

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060491.D
 Acq On : 13 Mar 2020 10:43
 Operator : JC/MD
 Sample : VN0313WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Quant Time: Mar 16 04:25:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	201496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140660	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	123215	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
35) Dibromofluoromethane	7.56	113	92283	60.81	ug/l	0.00
Spiked Amount			Recovery	=	121.62%	
50) Toluene-d8	10.08	98	355557	46.30	ug/l	0.00
Spiked Amount			Recovery	=	92.60%	
62) 4-Bromofluorobenzene	12.40	95	133828	45.97	ug/l	0.00
Spiked Amount			Recovery	=	91.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	26587	14.392	ug/l	97
3) Chloromethane	2.03	50	50083	15.571	ug/l	99
4) Vinyl Chloride	2.16	62	40517	14.688	ug/l	100
5) Bromomethane	2.55	94	18027	14.531	ug/l	98
6) Chloroethane	2.68	64	23592	15.785	ug/l	97
7) Trichlorofluoromethane	3.00	101	56141	15.930	ug/l	96
8) Diethyl Ether	3.38	74	22518	16.923	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	34808	17.452	ug/l	99
10) Methyl Iodide	3.93	142	23065	12.671	ug/l	98
11) Tert butyl alcohol	4.73	59	38152	99.387	ug/l	100
12) 1,1-Dichloroethene	3.71	96	33403	17.205	ug/l	99
13) Acrolein	3.58	56	32929	91.950	ug/l	98
14) Allyl chloride	4.29	41	58757	16.462	ug/l	96
15) Acrylonitrile	4.94	53	100155	98.986	ug/l	99
16) Acetone	3.78	43	87321	104.595	ug/l	98
17) Carbon Disulfide	4.03	76	77879	14.662	ug/l	100
18) Methyl Acetate	4.29	43	52986	19.018	ug/l	96
19) Methyl tert-butyl Ether	5.00	73	127487	18.139	ug/l	100
20) Methylene Chloride	4.52	84	39119	17.062	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	34527	16.314	ug/l	99
22) Diisopropyl ether	5.91	45	134618	18.620	ug/l	96
23) Vinyl Acetate	5.86	43	542864	94.493	ug/l	99
24) 1,1-Dichloroethane	5.82	63	73621	17.989	ug/l	99
25) 2-Butanone	6.80	43	136938	101.550	ug/l	98
26) 2,2-Dichloropropane	6.79	77	67113	18.013	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	44153	16.608	ug/l	99
28) Bromochloromethane	7.17	49	32127	19.120	ug/l	96
29) Tetrahydrofuran	7.18	42	91867	97.970	ug/l	98
30) Chloroform	7.35	83	74996	18.408	ug/l	99
31) Cyclohexane	7.63	56	63450	17.291	ug/l	94
32) 1,1,1-Trichloroethane	7.54	97	63550	17.606	ug/l	100
36) 1,1-Dichloropropene	7.77	75	52088	16.718	ug/l	99
37) Ethyl Acetate	6.90	43	59689	20.232	ug/l	98
38) Carbon Tetrachloride	7.75	117	50375	16.606	ug/l	99

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39) Methylcyclohexane	9.06	83	58552	15.939	ug/l	98
40) Benzene	8.02	78	161012	17.755	ug/l	100
41) Methacrylonitrile	7.18	41	83513	61.308	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	59217	18.096	ug/l	99
43) Isopropyl Acetate	8.14	43	100656	19.489	ug/l	98
44) Trichloroethene	8.82	130	42148	16.688	ug/l	96
45) 1,2-Dichloropropane	9.10	63	44989	18.975	ug/l	100
46) Dibromomethane	9.19	93	27276	17.730	ug/l	100
47) Bromodichloromethane	9.38	83	58945	18.839	ug/l	100
48) Methyl methacrylate	9.18	41	42604	18.089	ug/l	99
49) 1,4-Dioxane	9.18	88	13063	394.409	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	294162	100.454	ug/l	99
52) Toluene	10.14	92	99284	17.429	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	64895	16.926	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	71100	17.897	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	40254	17.572	ug/l	97
56) Ethyl methacrylate	10.42	69	60776	18.467	ug/l	98
57) 1,3-Dichloropropane	10.70	76	69853	18.698	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	151640	88.099	ug/l	99
59) 2-Hexanone	10.74	43	208267	96.866	ug/l	100
60) Dibromochloromethane	10.89	129	42748	18.350	ug/l	98
61) 1,2-Dibromoethane	10.99	107	40280	18.038	ug/l	95
64) Tetrachloroethene	10.62	164	41520	16.647	ug/l	99
65) Chlorobenzene	11.43	112	102658	16.958	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	40189	17.956	ug/l	99
67) Ethyl Benzene	11.50	91	191569	17.378	ug/l	99
68) m/p-Xylenes	11.62	106	140815	33.856	ug/l	100
69) o-Xylene	11.94	106	67584	17.040	ug/l	97
70) Styrene	11.96	104	110164	16.894	ug/l	99
71) Bromoform	12.12	173	29174	18.085	ug/l #	99
73) Isopropylbenzene	12.25	105	186719	17.910	ug/l	100
74) N-amyl acetate	12.06	43	82828	18.181	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	57877	20.423	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	76553	24.806	ug/l #	100
77) Bromobenzene	12.52	156	44638	17.467	ug/l	98
78) n-propylbenzene	12.59	91	217075	17.763	ug/l	99
79) 2-Chlorotoluene	12.67	91	127327	17.725	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	155726	17.741	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20901	18.696	ug/l #	85
82) 4-Chlorotoluene	12.77	91	130692	17.268	ug/l	98
83) tert-Butylbenzene	12.99	119	132865	17.483	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	156159	17.625	ug/l	100
85) sec-Butylbenzene	13.17	105	177012	17.393	ug/l	100
86) p-Isopropyltoluene	13.28	119	159537	16.937	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	78669	17.793	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	77979	17.636	ug/l	99
89) n-Butylbenzene	13.61	91	143404	16.585	ug/l	99
90) Hexachloroethane	13.87	117	22281	16.342	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	77266	17.255	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11606	18.085	ug/l	95

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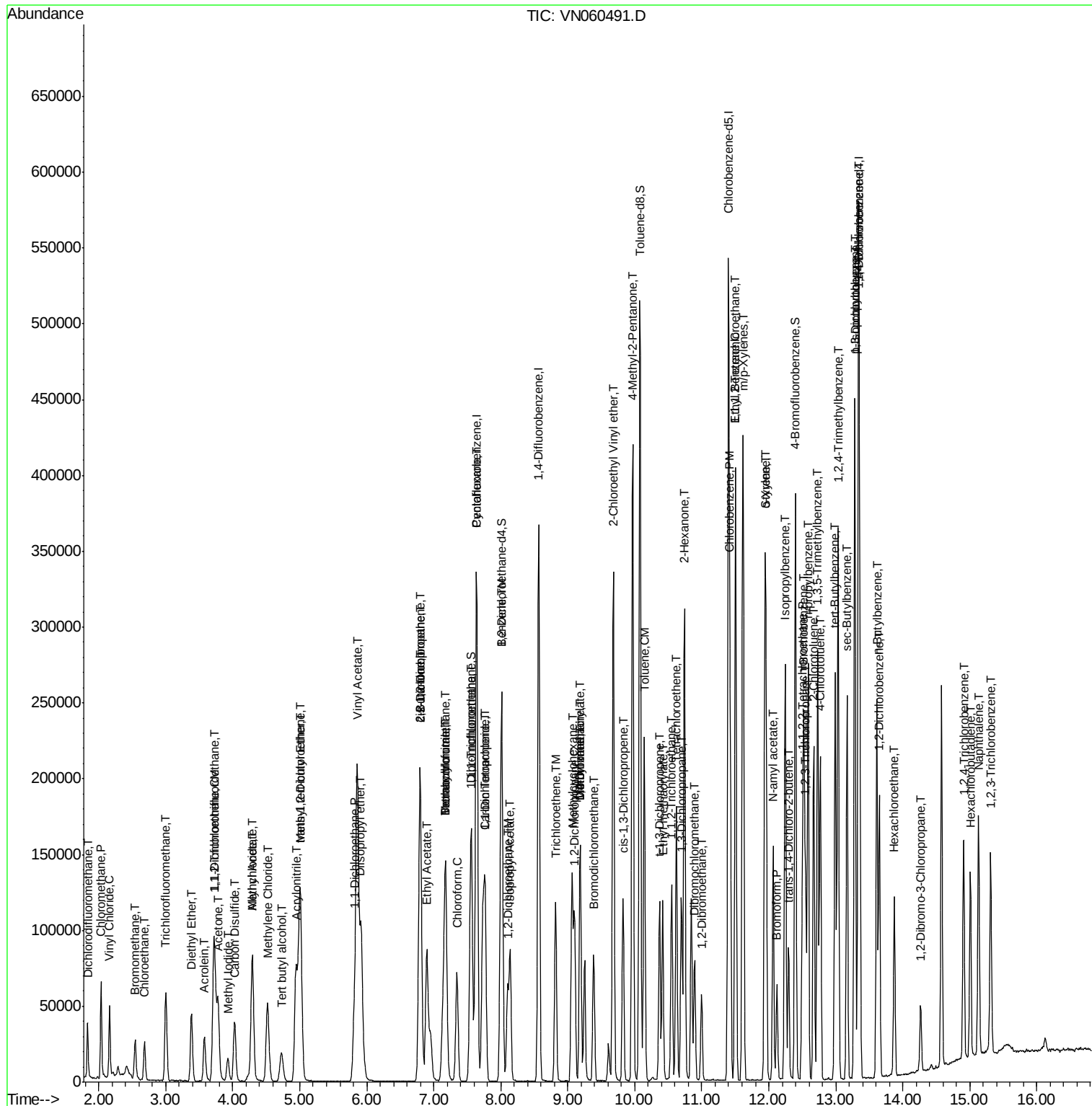
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46060	16.247	ug/l	99
94) Hexachlorobutadiene	15.01	225	23351	17.481	ug/l	99
95) Naphthalene	15.13	128	134396	15.850	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44544	16.501	ug/l	99

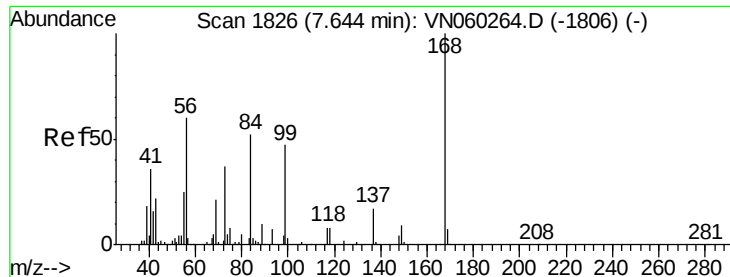
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031320\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

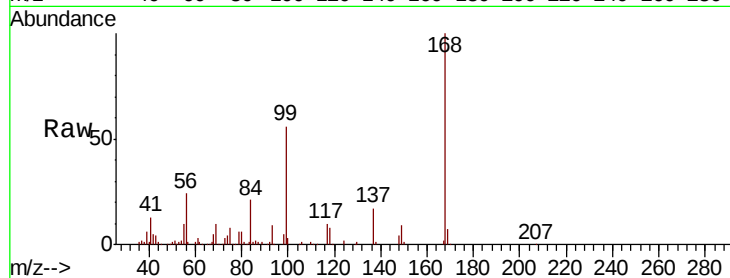
VN0313WBS01

Tot Ion:168 Resp: 201496

Ion Ratio Lower Upper

168 100

99 56.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

80000

60000

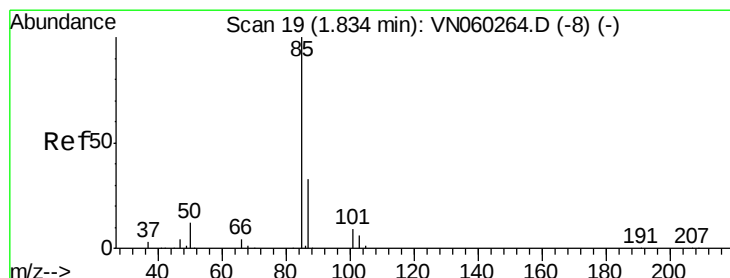
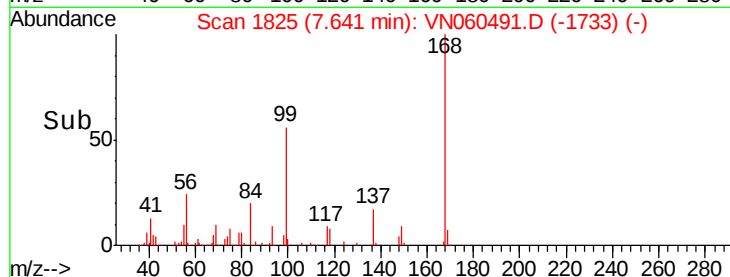
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 14.392 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060491.D

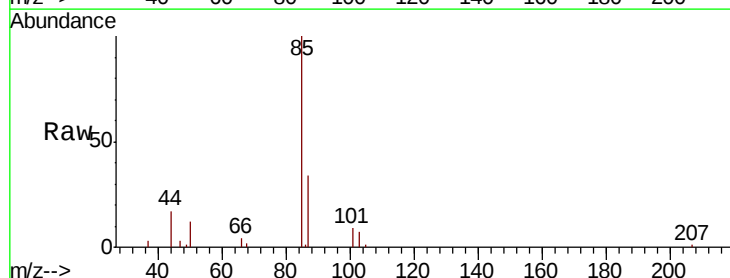
Acq: 13 Mar 2020 10:43

Tgt Ion: 85 Resp: 26587

Ion Ratio Lower Upper

85 100

87 34.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

20000

15000

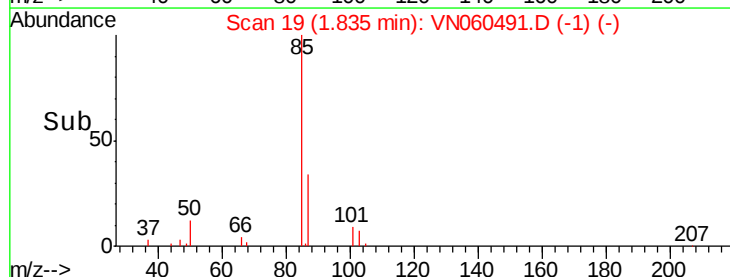
10000

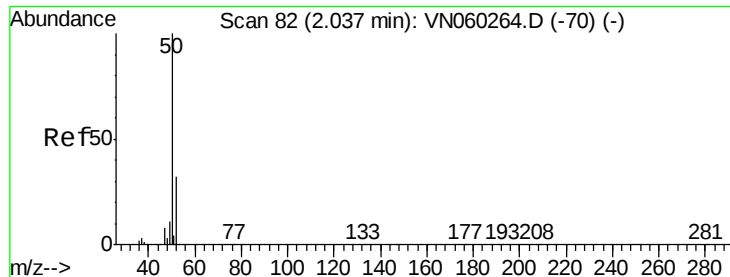
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 15.571 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

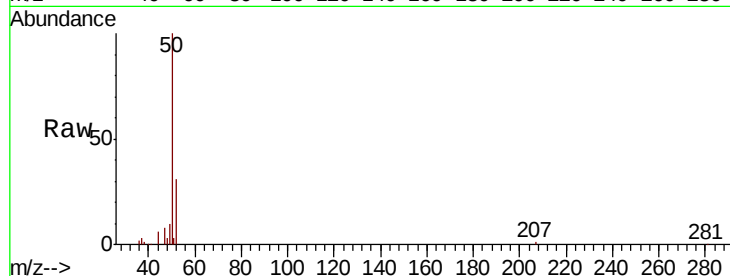
VN0313WBS01

Tot Ion: 50 Resp: 50083

Ion Ratio Lower Upper

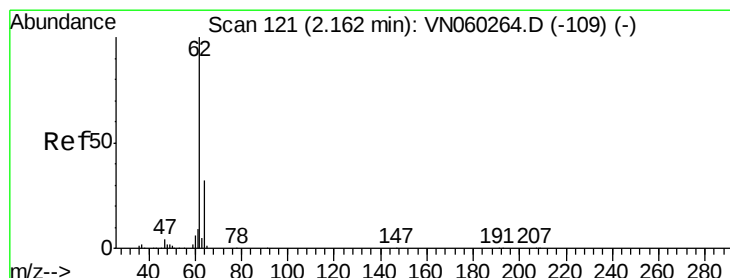
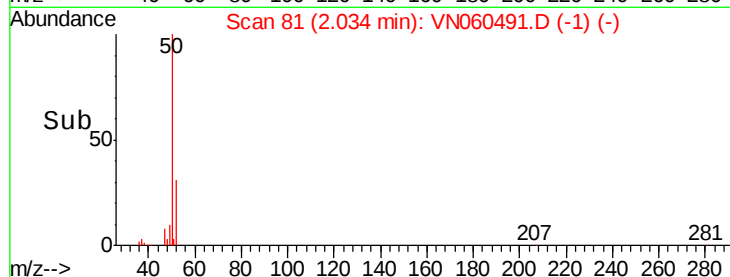
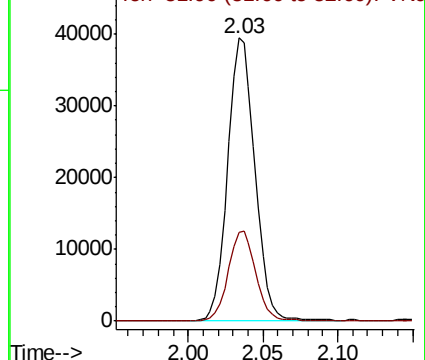
50 100

52 31.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 14.688 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060491.D

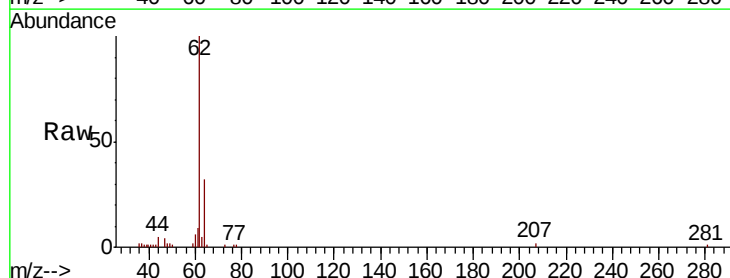
Acq: 13 Mar 2020 10:43

Tgt Ion: 62 Resp: 40517

Ion Ratio Lower Upper

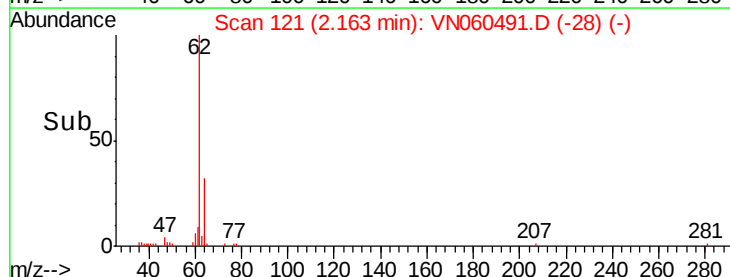
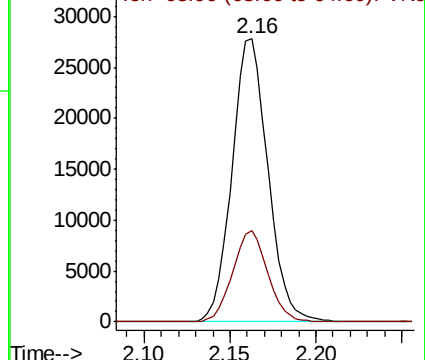
62 100

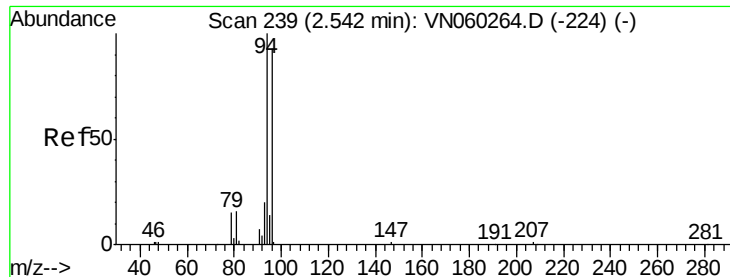
64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 14.531 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

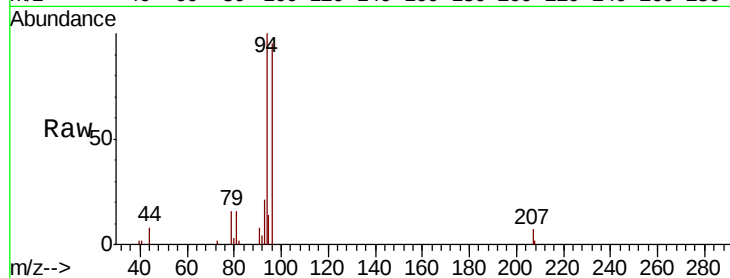
VN0313WBS01

Tot Ion: 94 Resp: 18027

Ion Ratio Lower Upper

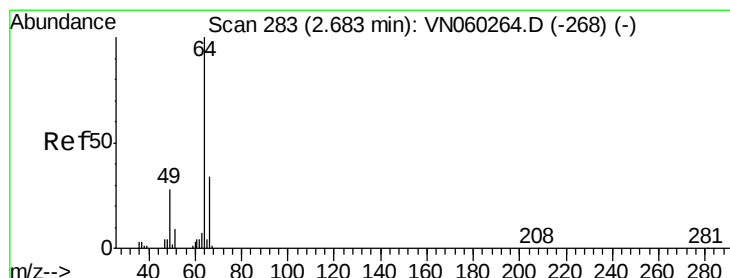
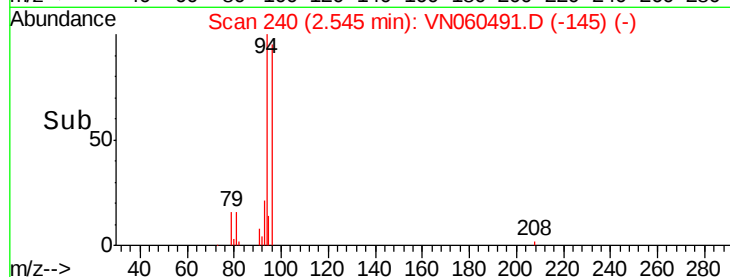
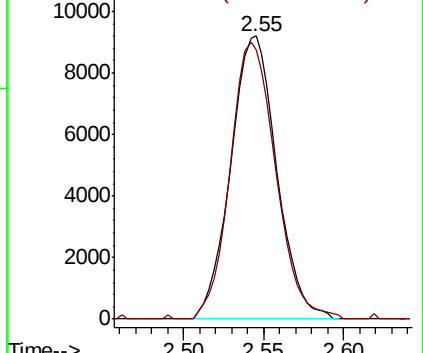
94 100

96 95.0 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 15.785 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060491.D

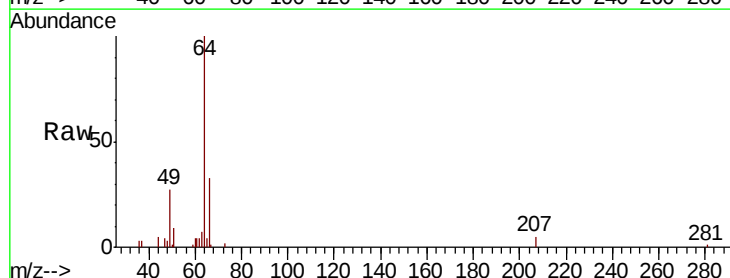
Acq: 13 Mar 2020 10:43

Tgt Ion: 64 Resp: 23592

Ion Ratio Lower Upper

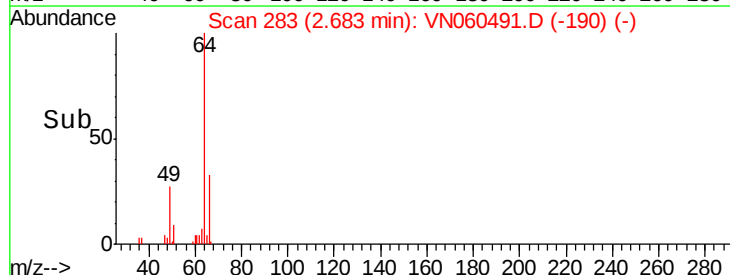
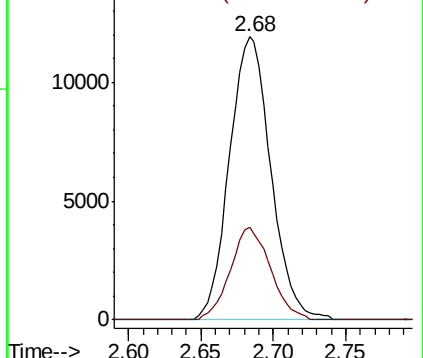
64 100

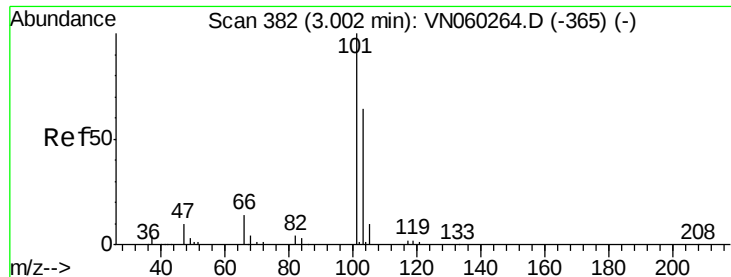
66 32.6 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



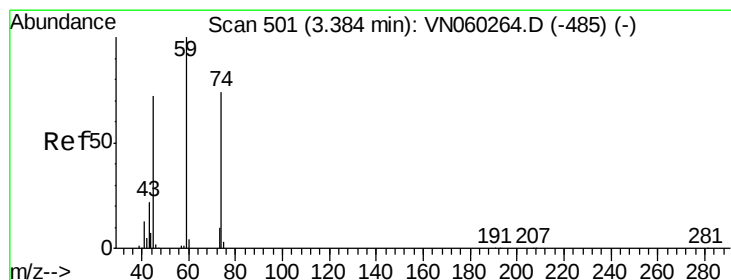
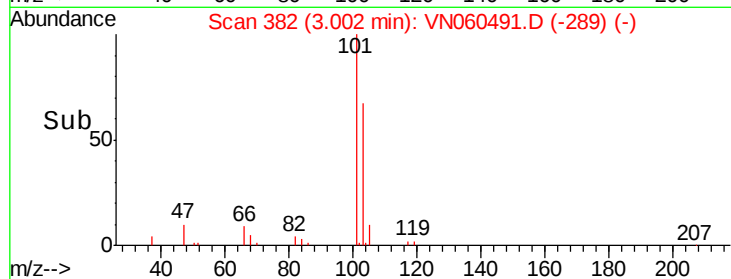
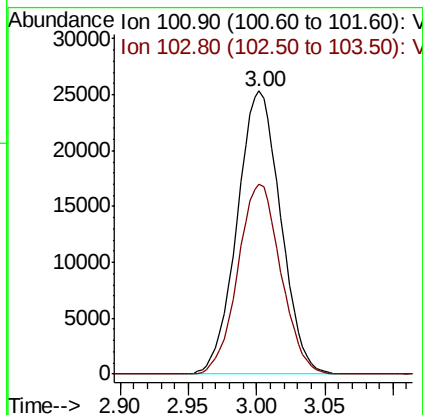
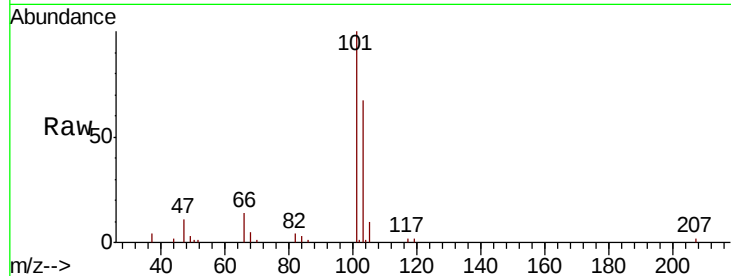


#7

Trichlorofluoromethane
 Concen: 15.930 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
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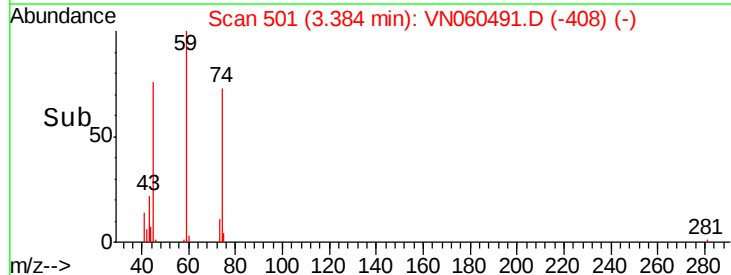
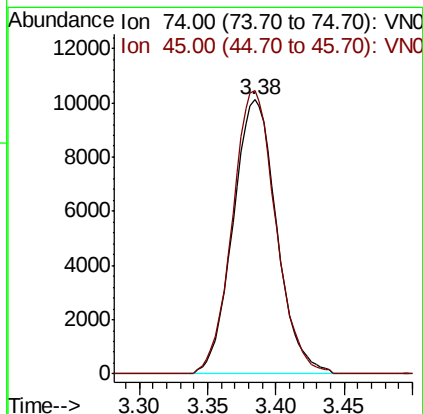
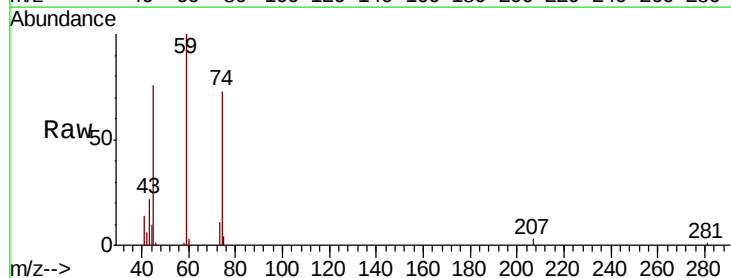
Tot Ion:101 Resp: 56141
 Ion Ratio Lower Upper
 101 100
 103 67.2 51.3 76.9

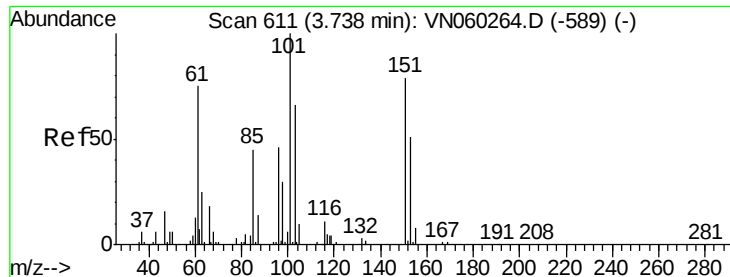


#8

Diethyl Ether
 Concen: 16.923 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion: 74 Resp: 22518
 Ion Ratio Lower Upper
 74 100
 45 102.4 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.452 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

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VN0313WBS01

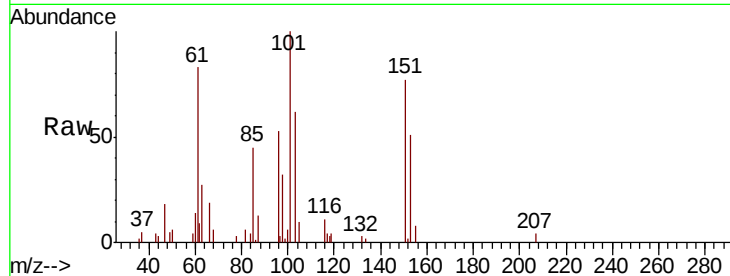
Tot Ion:101 Resp: 34808

Ion Ratio Lower Upper

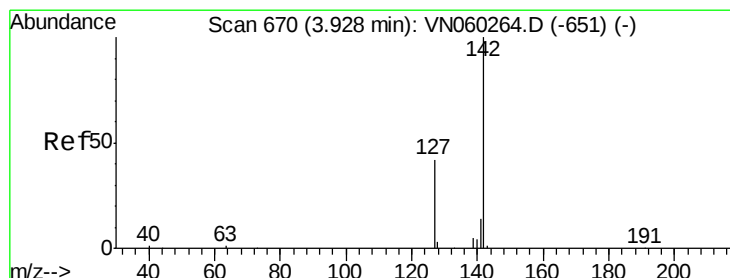
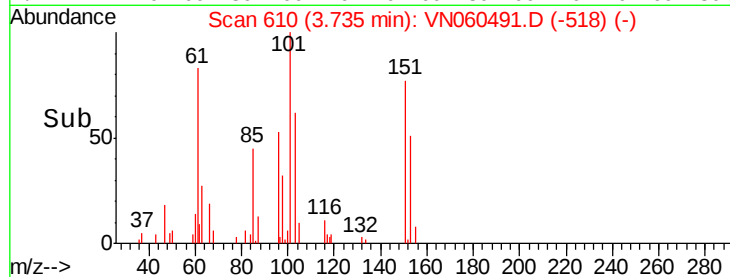
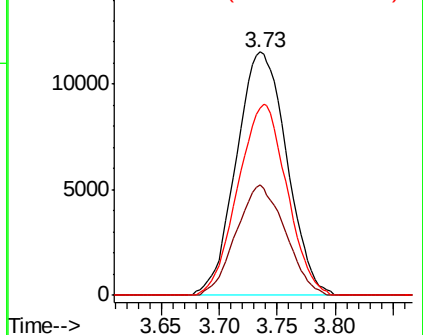
101 100

85 44.1 35.4 53.2

151 76.5 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 12.671 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

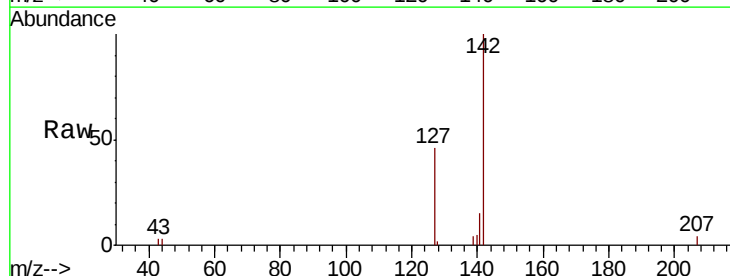
Tgt Ion:142 Resp: 23065

Ion Ratio Lower Upper

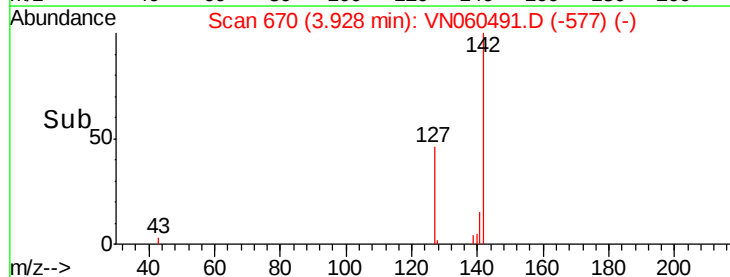
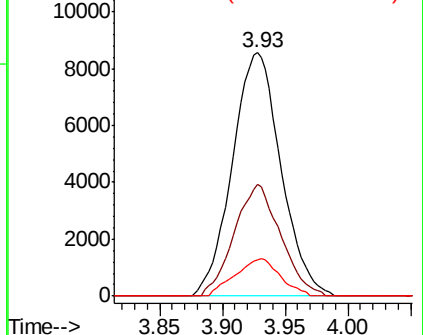
142 100

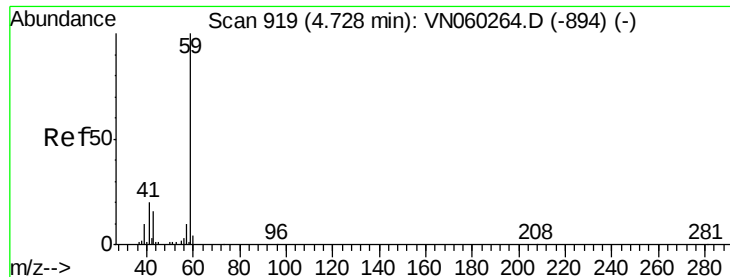
127 43.8 33.8 50.6

141 14.2 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

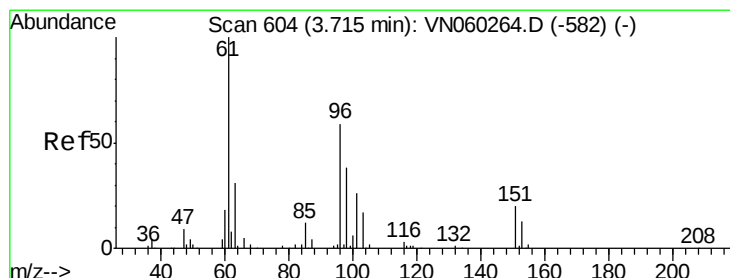
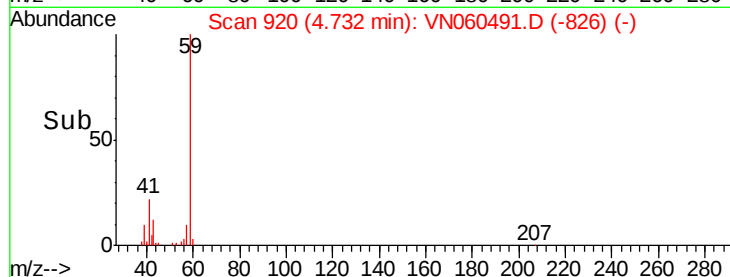
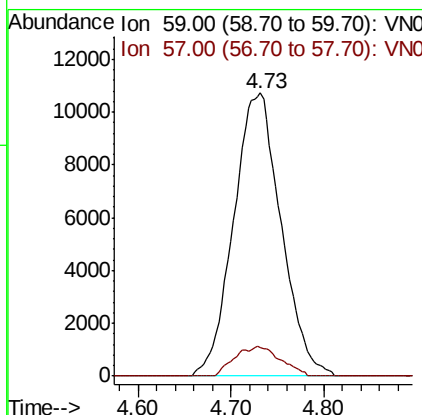
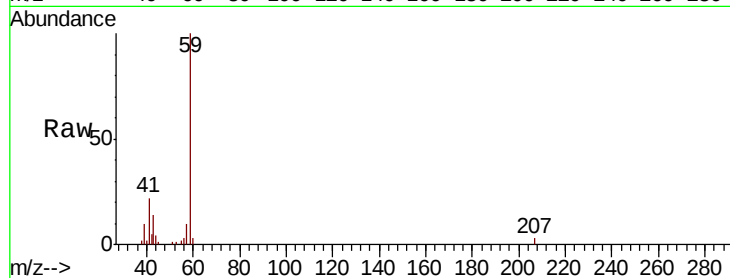




#11
Tert butyl alcohol
Concen: 99.387 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

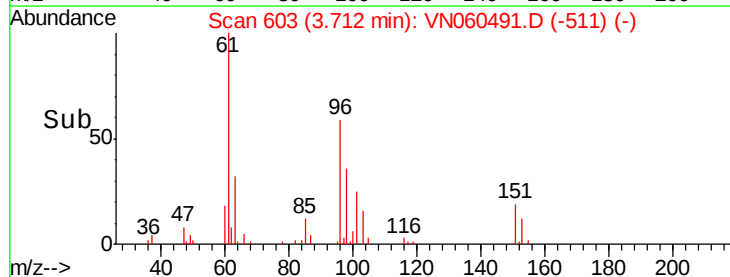
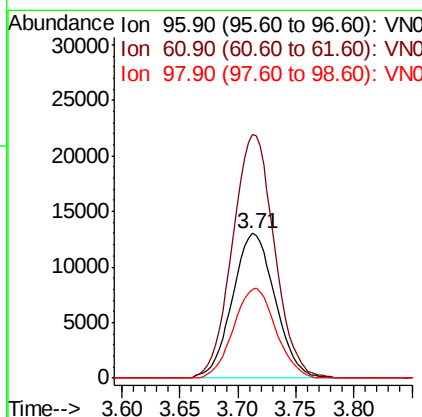
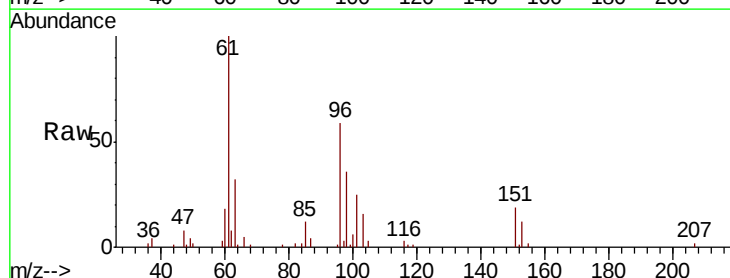
Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

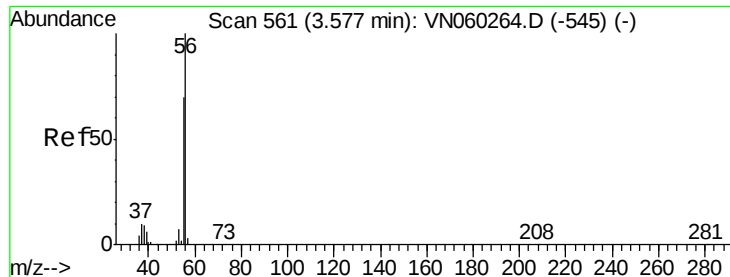
Tot Ion: 59 Resp: 38152
Ion Ratio Lower Upper
59 100
57 10.1 8.2 12.2



#12
1,1-Dichloroethene
Concen: 17.205 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion: 96 Resp: 33403
Ion Ratio Lower Upper
96 100
61 168.5 135.4 203.0
98 61.4 51.6 77.4





#13

Acrolein

Concen: 91.950 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampled :

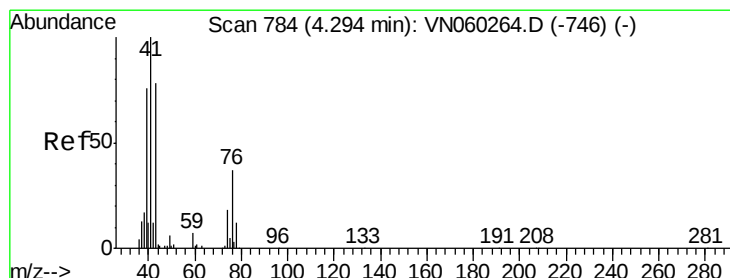
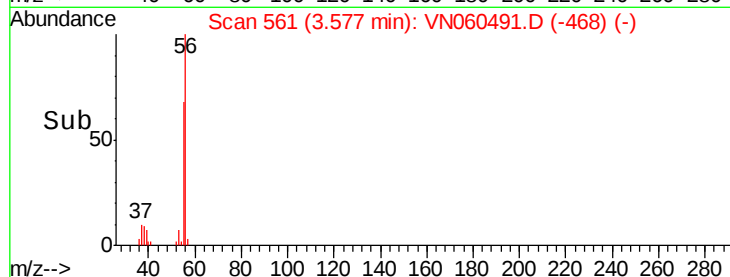
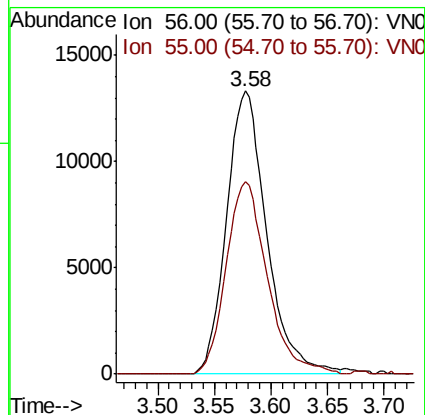
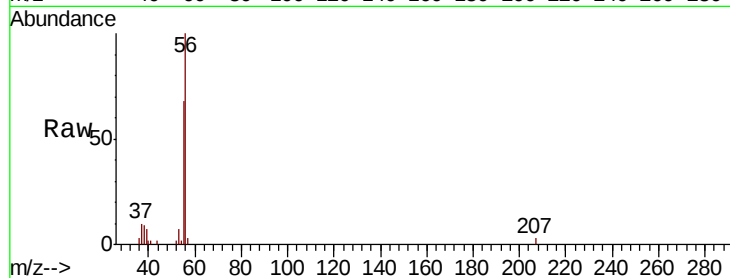
VN0313WBS01

Tot Ion: 56 Resp: 32929

Ion Ratio Lower Upper

56 100

55 69.7 57.4 86.0



#14

Allyl chloride

Concen: 16.462 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

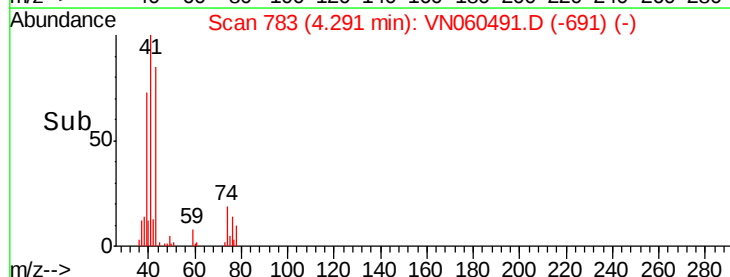
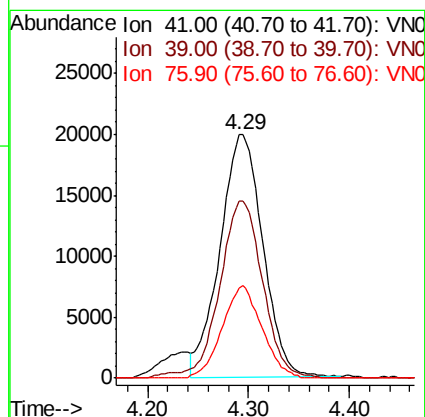
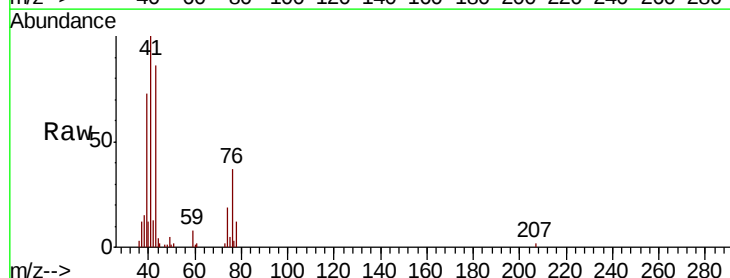
Tgt Ion: 41 Resp: 58757

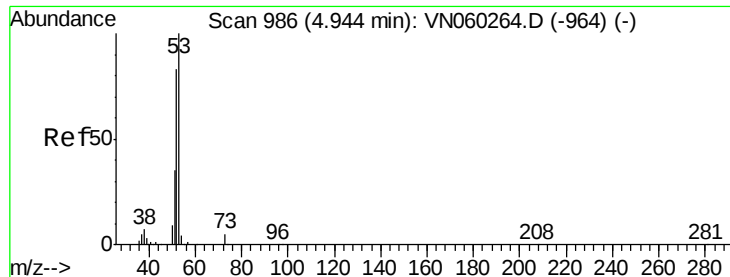
Ion Ratio Lower Upper

41 100

39 73.4 55.4 83.2

76 35.2 27.0 40.6





#15

Acrylonitrile

Concen: 98.986 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

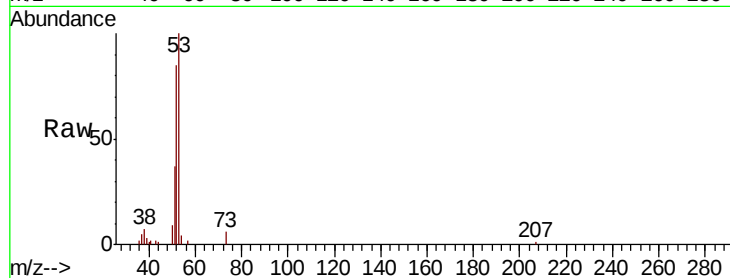
Tot Ion: 53 Resp: 100155

Ion Ratio Lower Upper

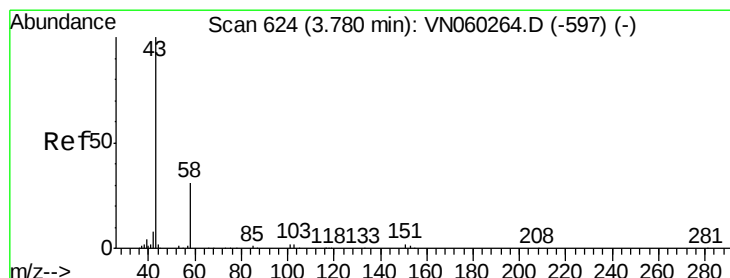
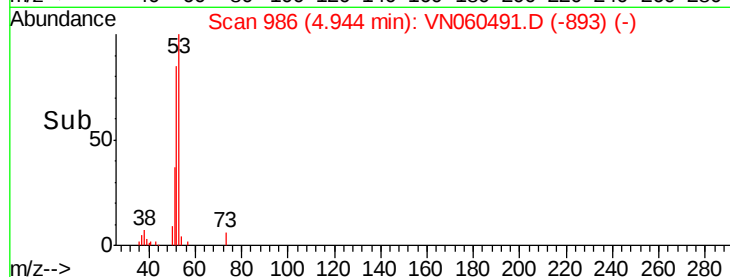
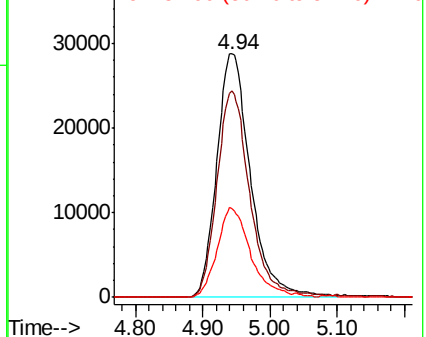
53 100

52 82.3 66.8 100.2

51 36.8 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 104.595 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060491.D

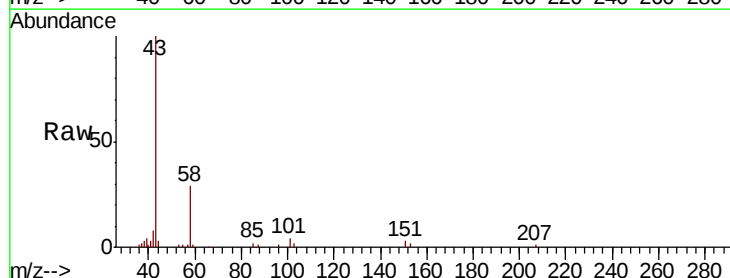
Acq: 13 Mar 2020 10:43

Tgt Ion: 43 Resp: 87321

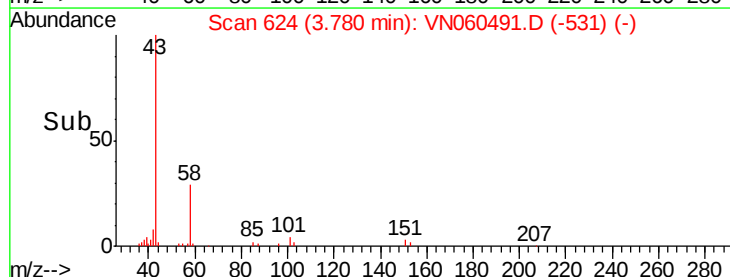
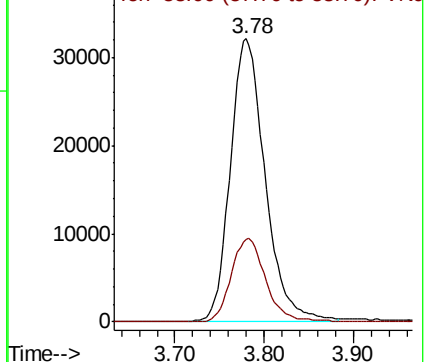
Ion Ratio Lower Upper

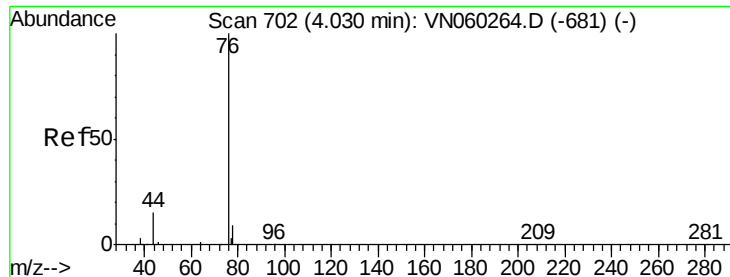
43 100

58 29.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

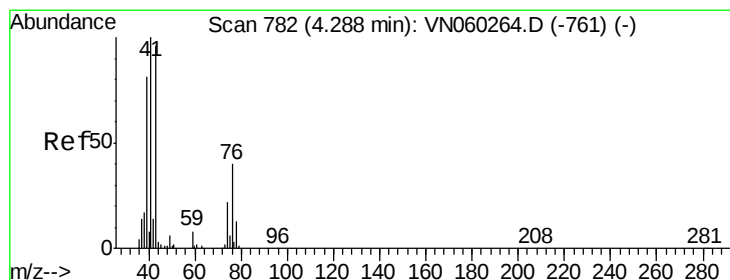
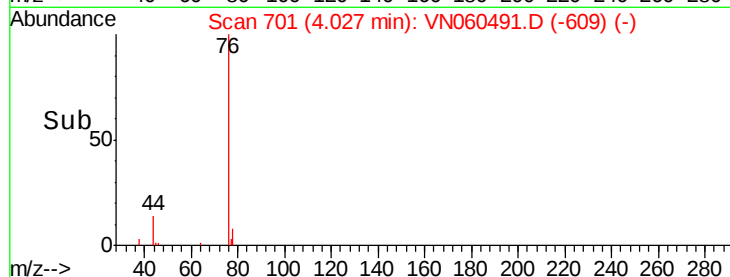
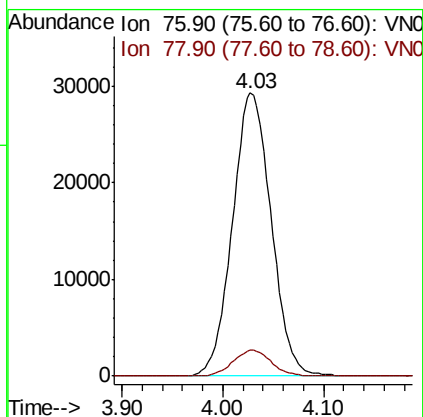
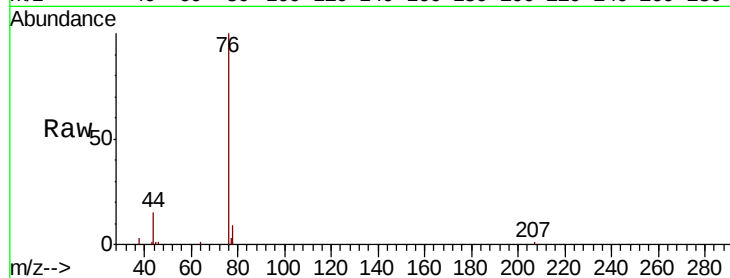




#17
Carbon Disulfide
Concen: 14.662 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

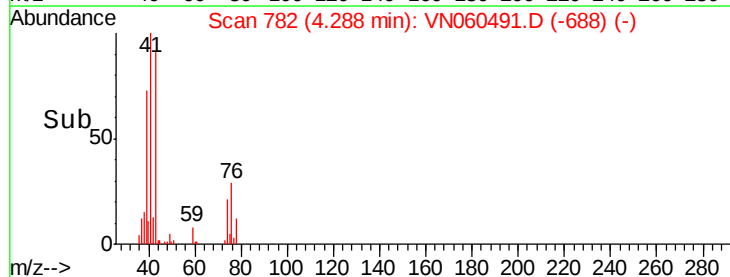
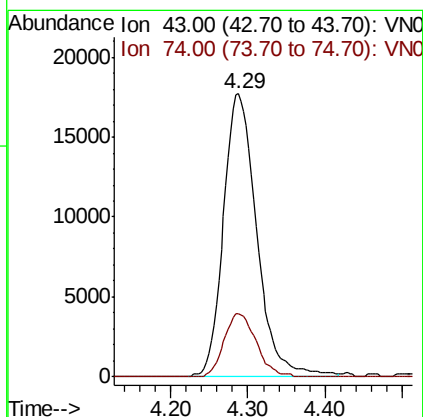
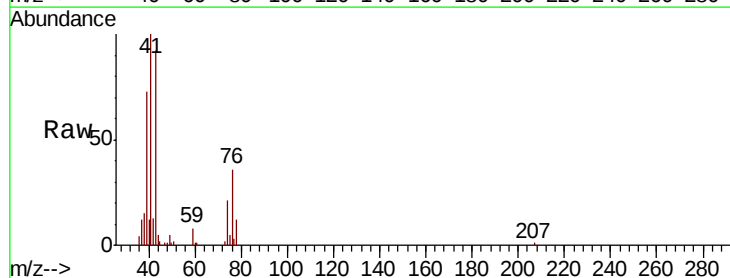
Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

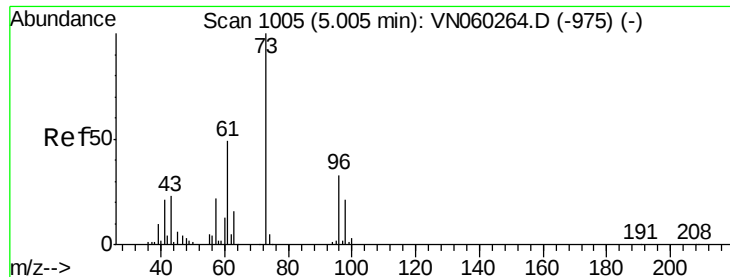
Tot Ion: 76 Resp: 77879
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 19.018 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion: 43 Resp: 52986
Ion Ratio Lower Upper
43 100
74 21.5 18.8 28.2

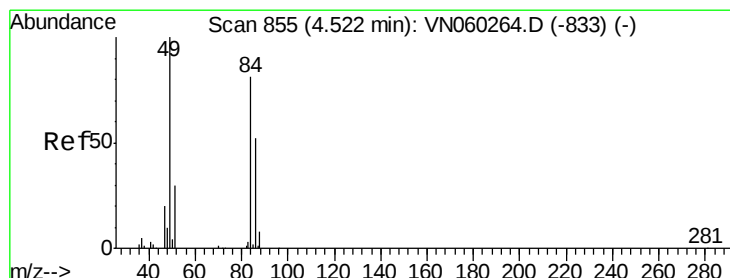
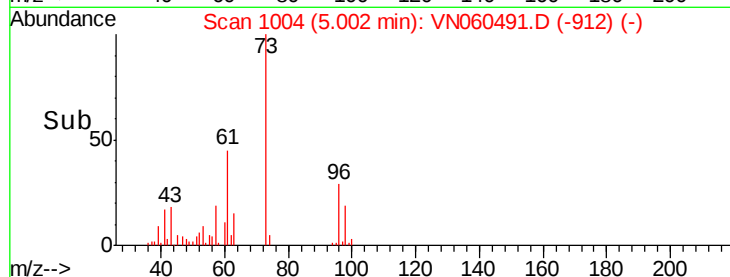
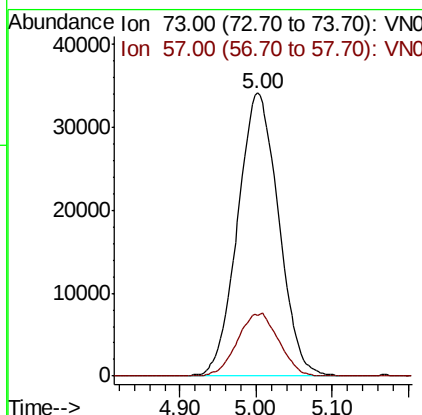
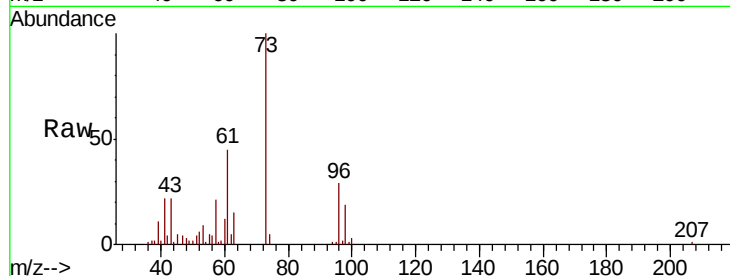




#19
Methyl tert-butyl Ether
Concen: 18.139 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

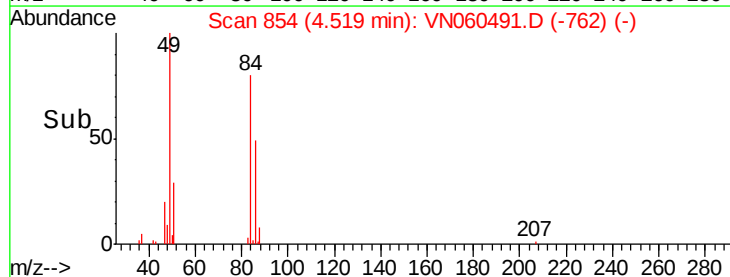
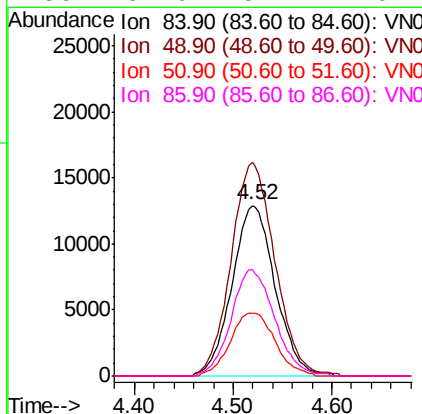
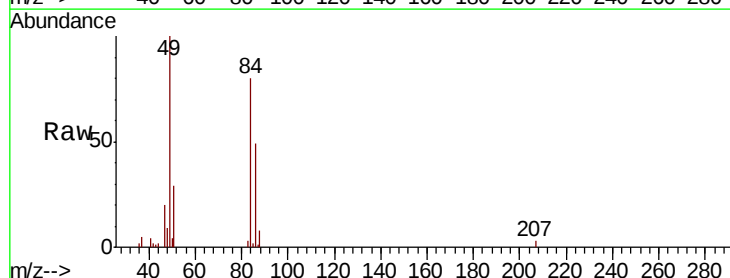
Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

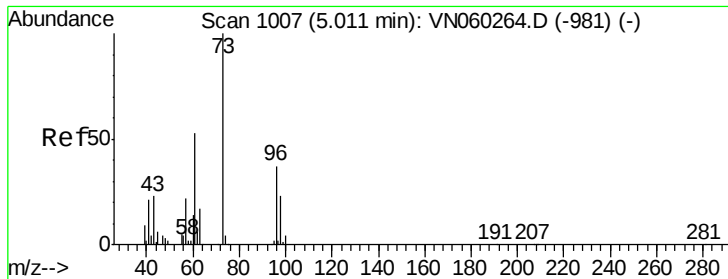
Tot Ion: 73 Resp: 127487
Ion Ratio Lower Upper
73 100
57 21.4 17.3 25.9



#20
Methylene Chloride
Concen: 17.062 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion: 84 Resp: 39119
Ion Ratio Lower Upper
84 100
49 125.2 99.3 148.9
51 36.5 30.1 45.1
86 62.0 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 16.314 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

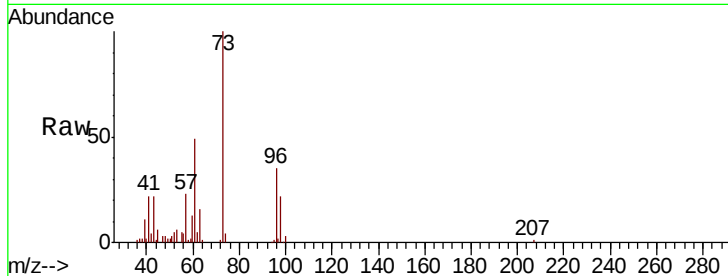
MSVOA_N

ClientSampleId :

VN0313WBS01

Tot Ion: 96 Resp: 34527

Ion	Ratio	Lower	Upper
96	100		
61	141.4	113.8	170.8
98	62.4	48.8	73.2

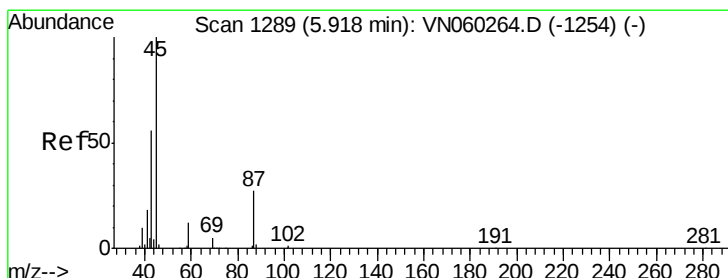
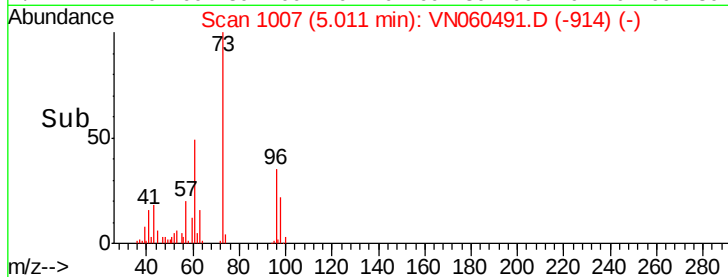
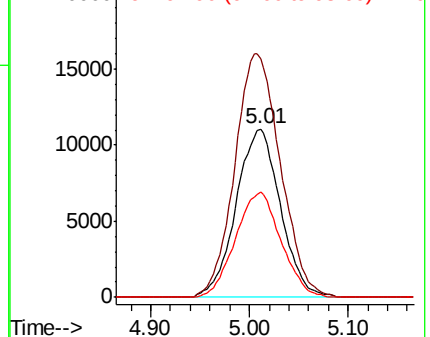


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 18.620 ug/l

RT: 5.91 min Scan# 1288

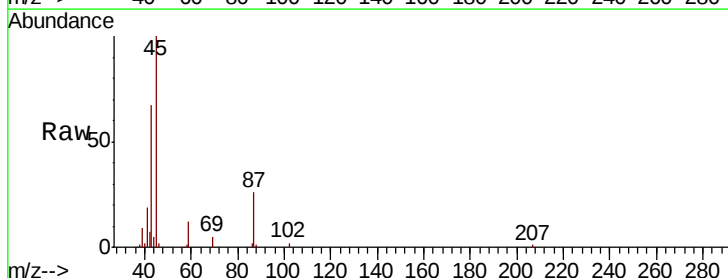
Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Tgt Ion: 45 Resp: 134618

Ion	Ratio	Lower	Upper
45	100		
43	64.6	48.6	72.8
87	26.4	22.2	33.2
59	12.5	9.5	14.3



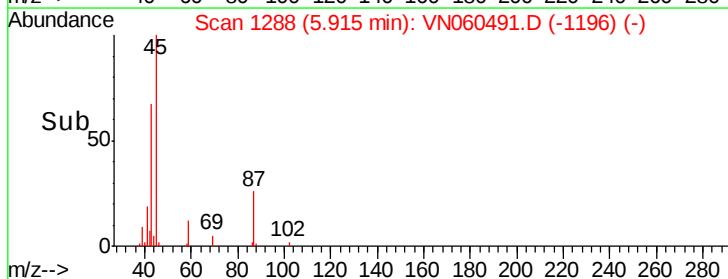
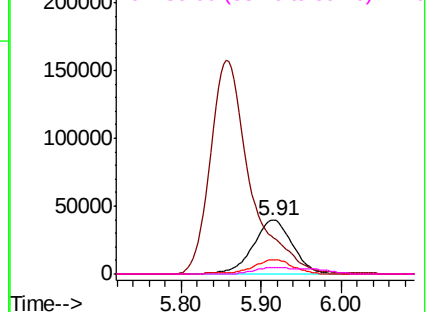
Abundance

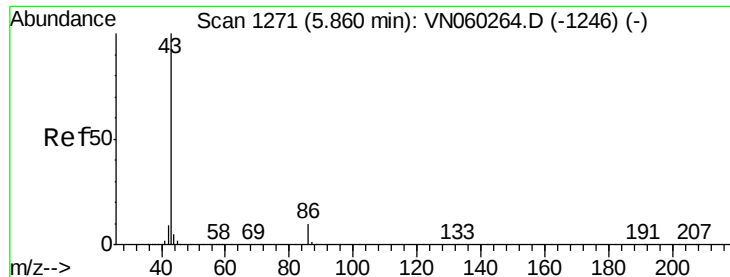
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 94.493 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

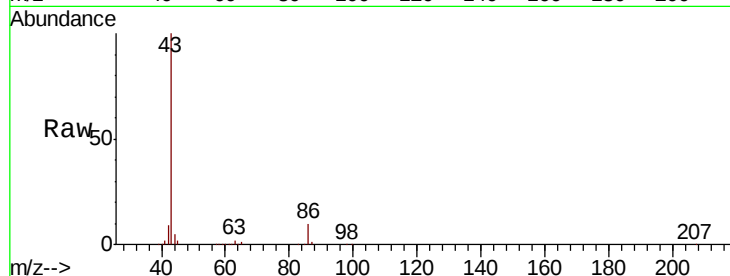
VN0313WBS01

Tot Ion: 43 Resp: 542864

Ion Ratio Lower Upper

43 100

86 9.7 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1246) (-)

Ion 86.00 (85.70 to 86.70): VN060264.D (-1246) (-)

5.86

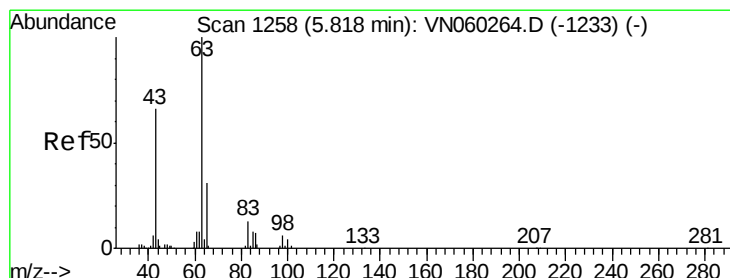
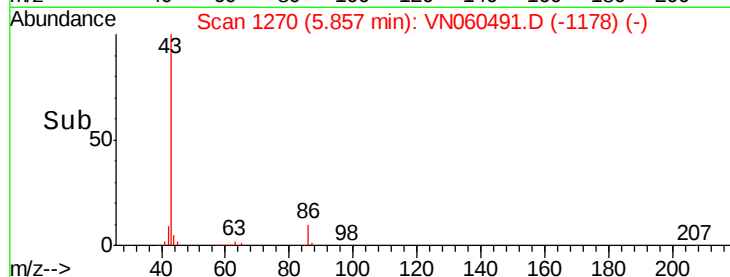
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.989 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

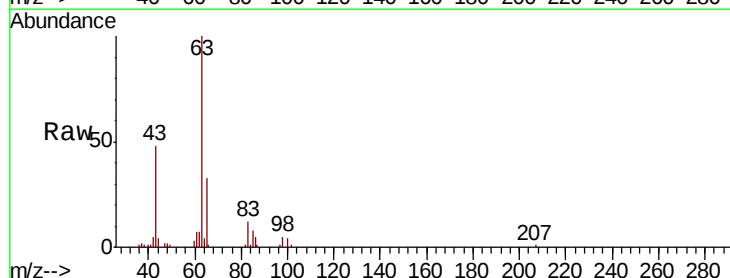
Tgt Ion: 63 Resp: 73621

Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.0

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060491.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN060491.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN060491.D (-1165) (-)

5.82

30000

25000

20000

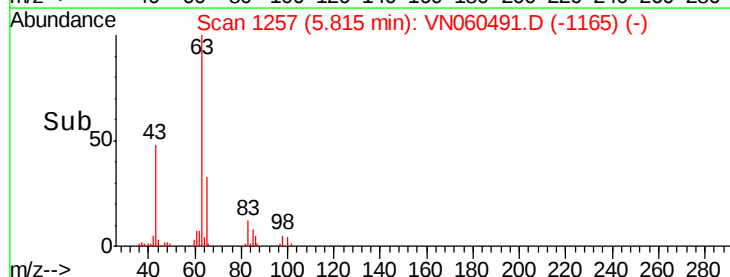
15000

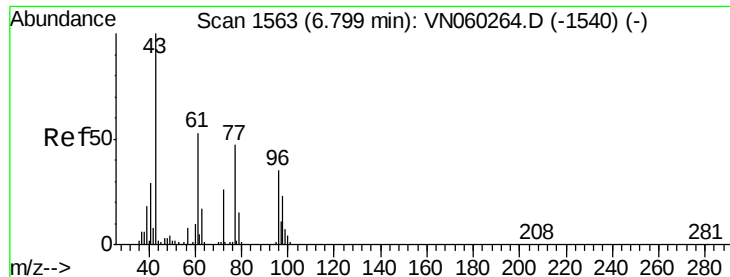
10000

5000

0

Time-->

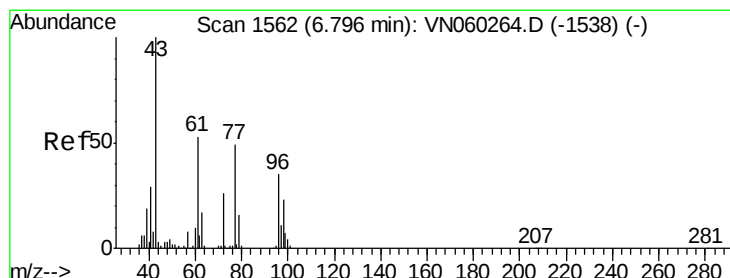
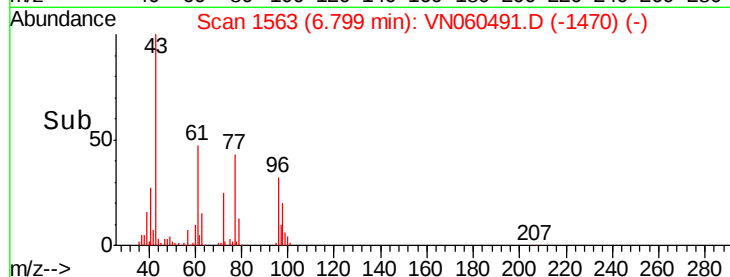
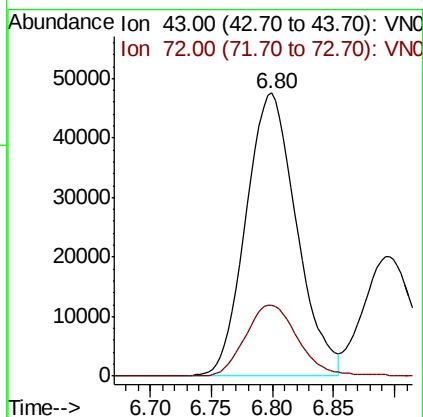
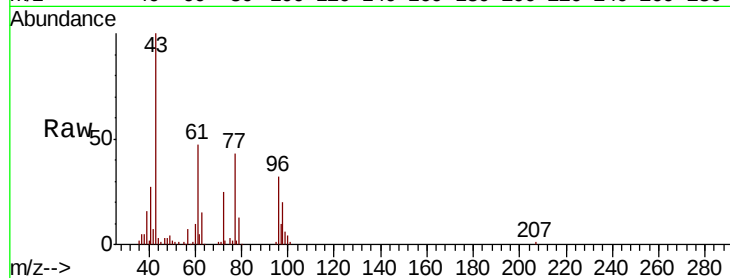




#25
2-Butanone
Concen: 101.550 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

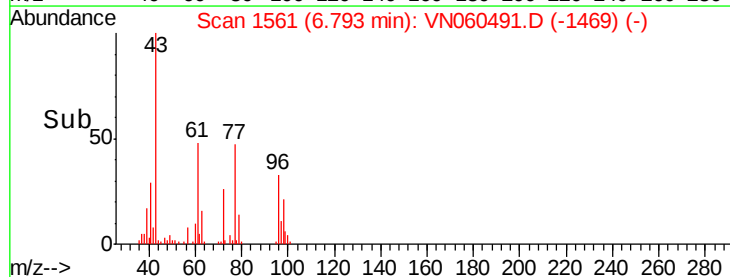
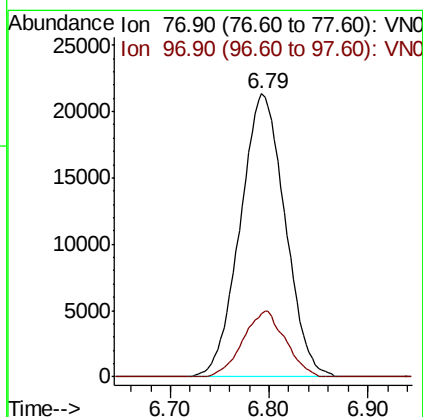
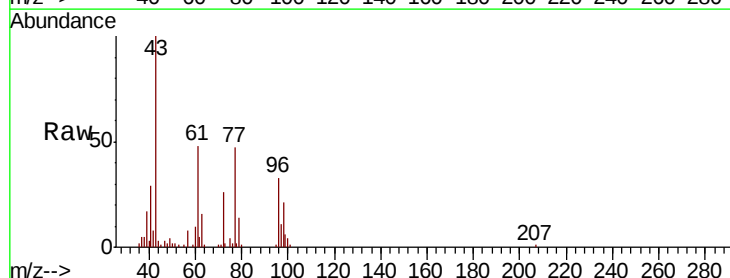
Instrument :
MSVOA_N
ClientSampled :
VN0313WBS01

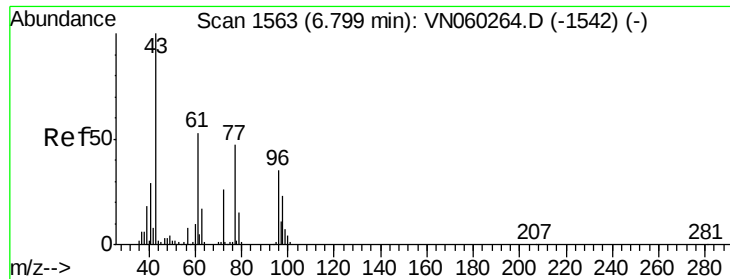
Tot Ion: 43 Resp: 136938
Ion Ratio Lower Upper
43 100
72 25.0 20.9 31.3



#26
2,2-Dichloropropane
Concen: 18.013 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion: 77 Resp: 67113
Ion Ratio Lower Upper
77 100
97 21.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 16.608 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

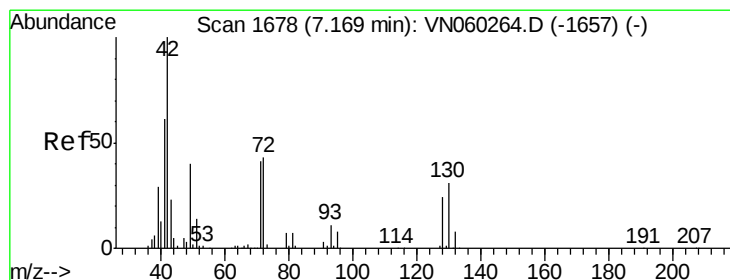
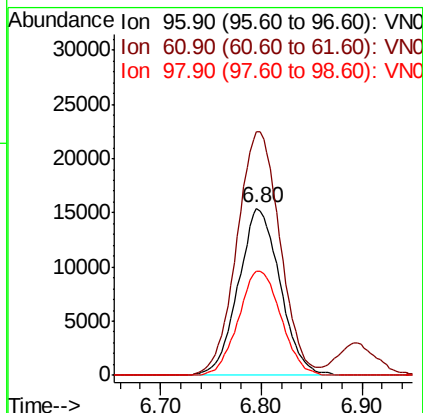
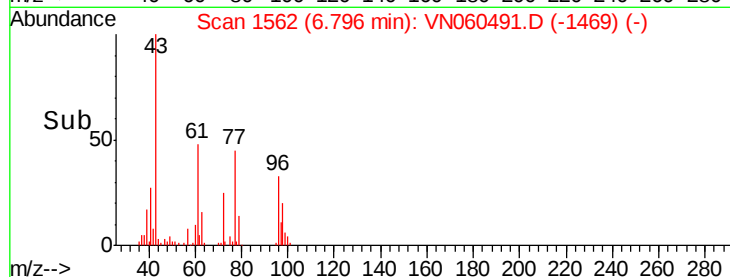
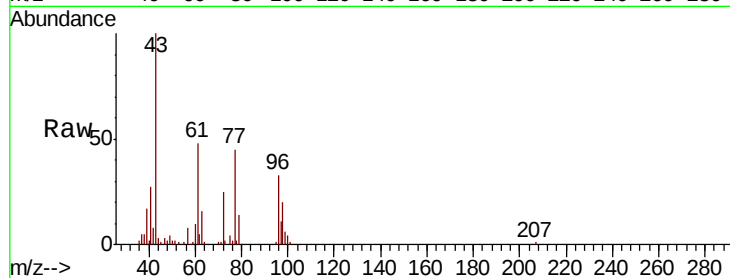
Tot Ion: 96 Resp: 44153

Ion Ratio Lower Upper

96 100

61 151.1 0.0 300.8

98 63.7 0.0 128.2



#28

Bromochloromethane

Concen: 19.120 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

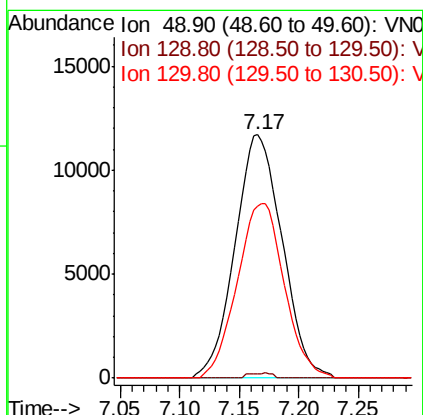
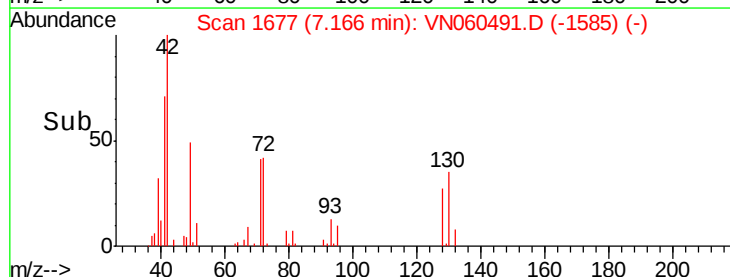
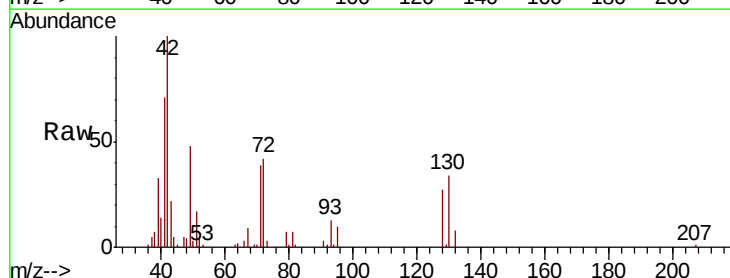
Tgt Ion: 49 Resp: 32127

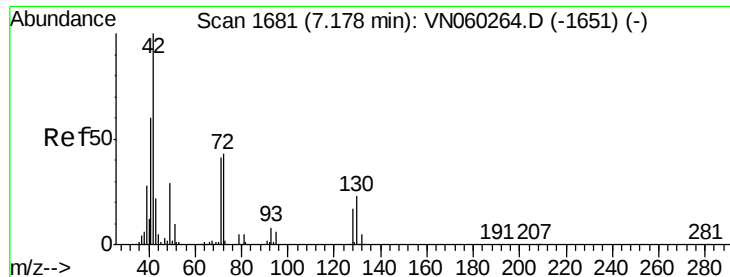
Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.8

130 71.6 59.8 89.8





#29

Tetrahydrofuran

Concen: 97.970 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

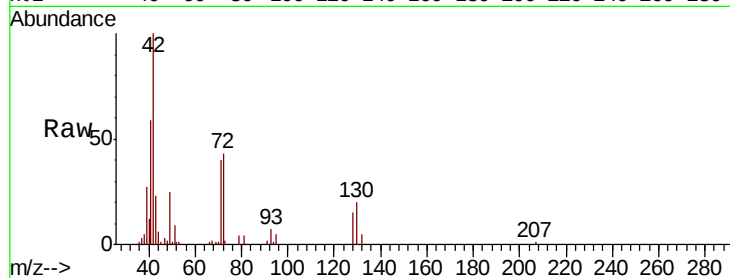
MSVOA_N

ClientSampled :

VN0313WBS01

Tot Ion: 42 Resp: 91867

Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.6	52.0
71	39.0	32.9	49.3

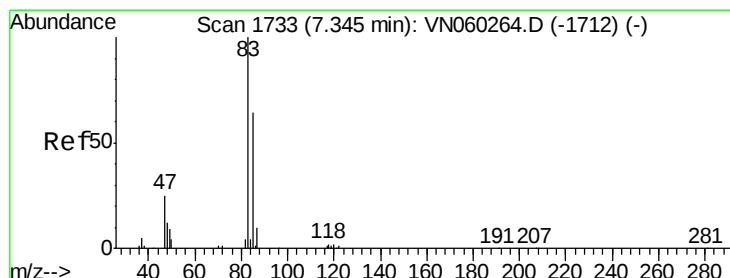
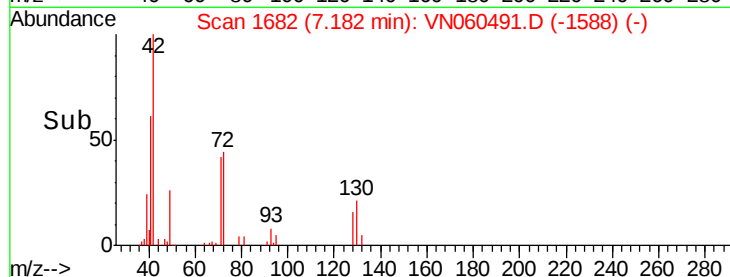
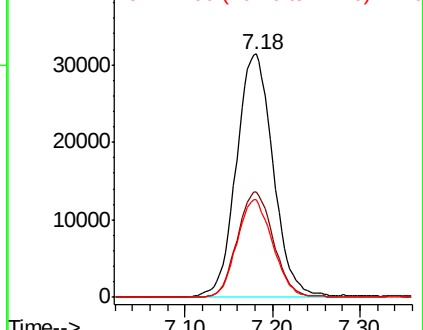


Abundance

Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 18.408 ug/l

RT: 7.35 min Scan# 1733

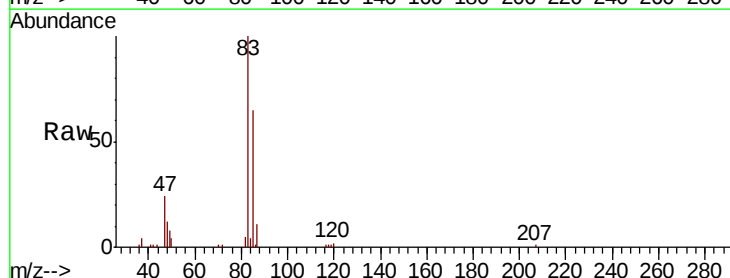
Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Tgt Ion: 83 Resp: 74996

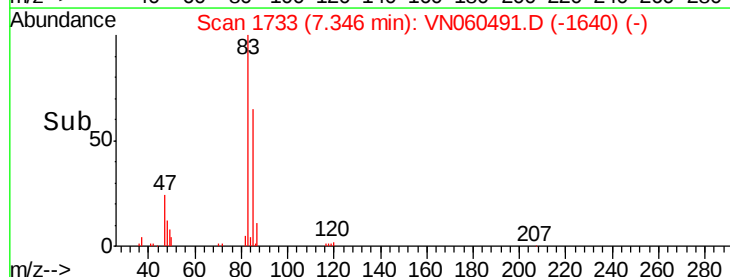
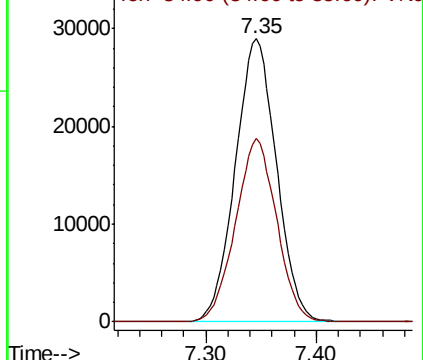
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.2

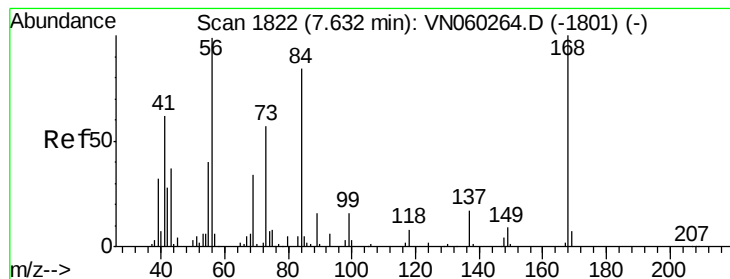


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.291 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

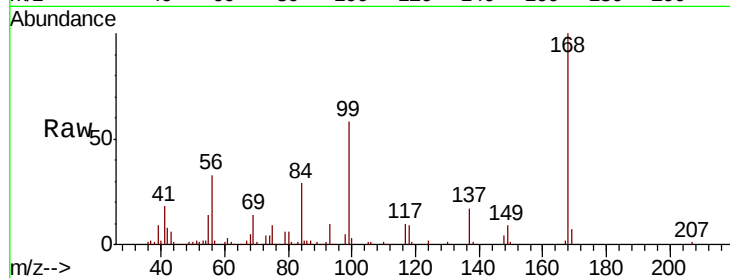
Tot Ion: 56 Resp: 63450

Ion Ratio Lower Upper

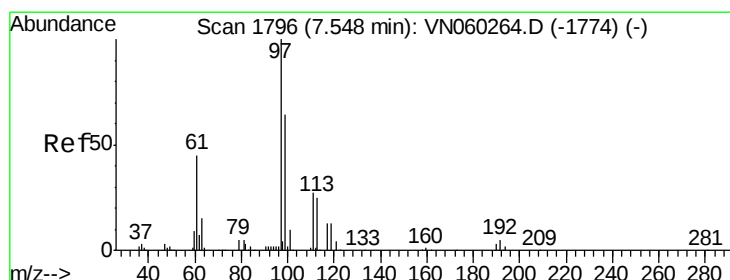
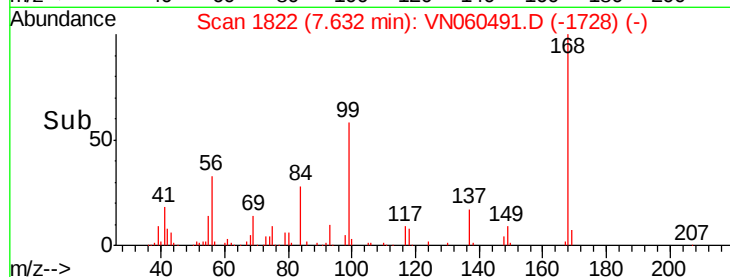
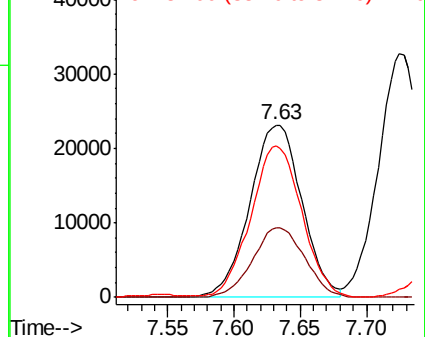
56 100

69 40.6 27.2 40.8

84 86.9 66.7 100.1



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.606 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

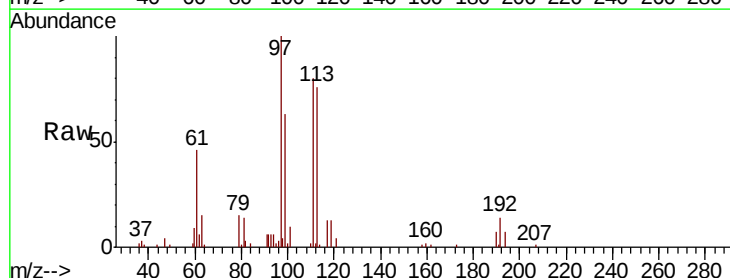
Tgt Ion: 97 Resp: 63550

Ion Ratio Lower Upper

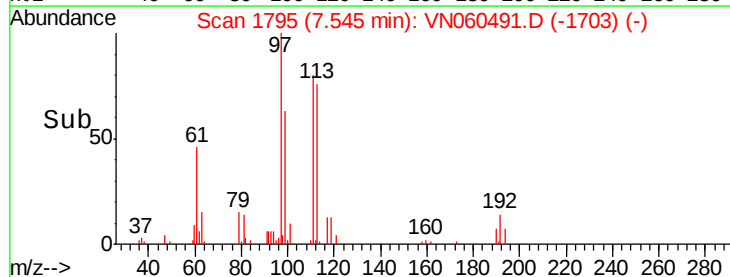
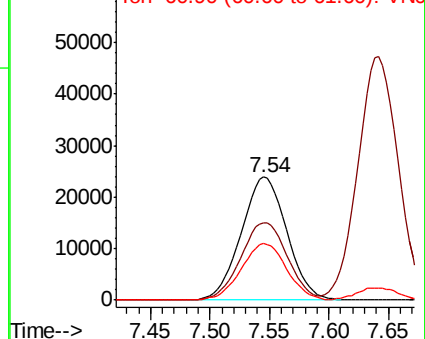
97 100

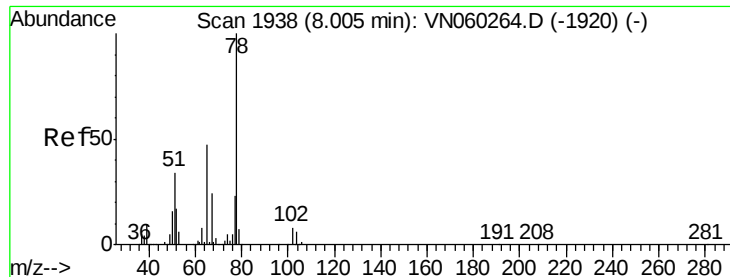
99 64.3 51.4 77.0

61 45.7 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

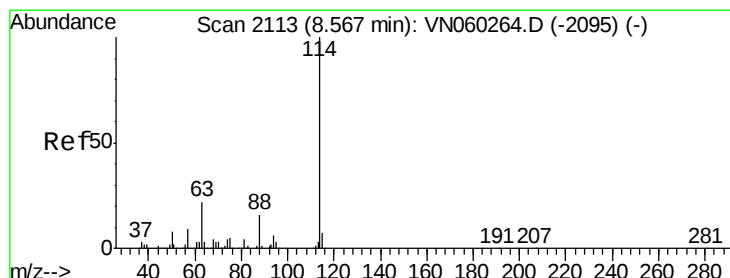
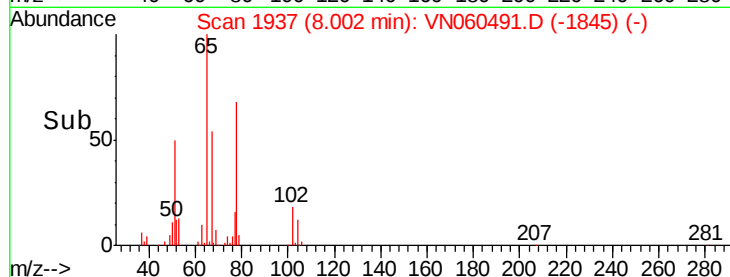
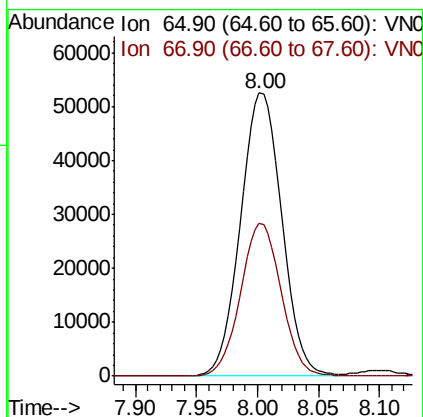
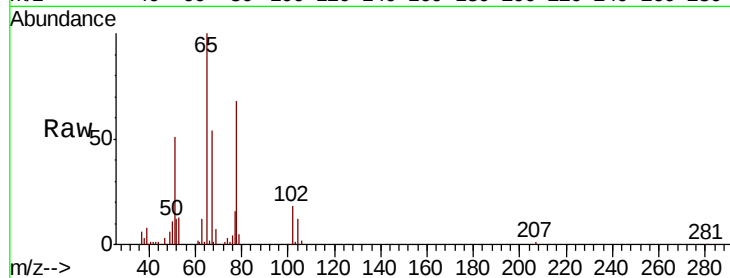




#33
 1,2-Dichloroethane-d4
 Concen: 47.661 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

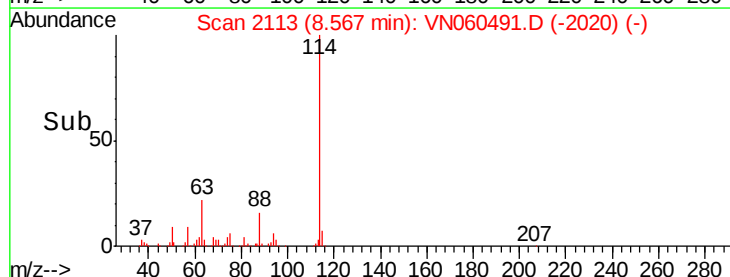
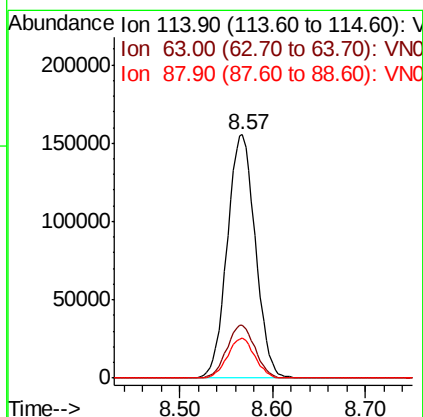
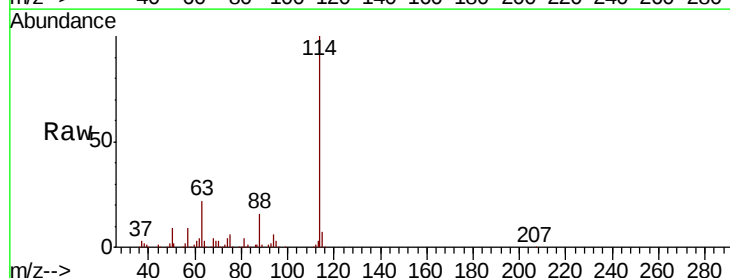
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

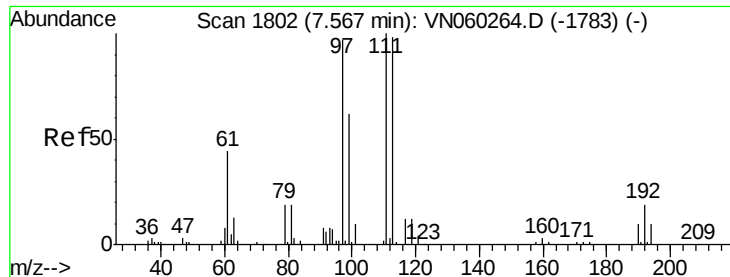
Tot Ion: 65 Resp: 123215
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion: 114 Resp: 326917
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.2
 88 16.2 0.0 31.6

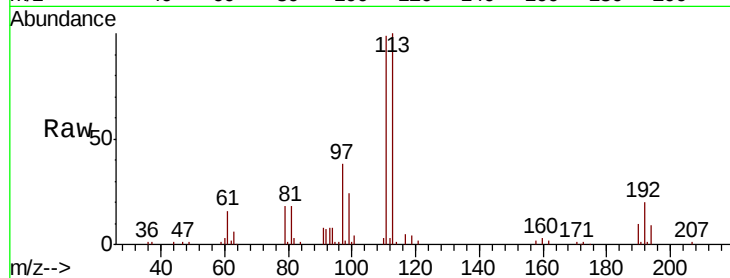




#35
 Dibromofluoromethane
 Concen: 60.815 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.4	123.6
192	20.1	16.2	24.2

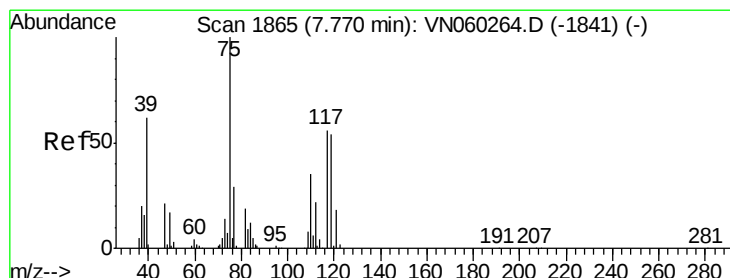
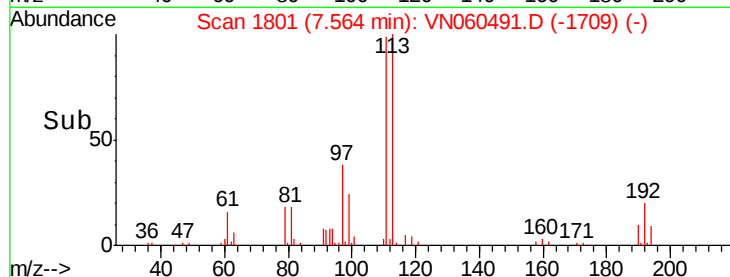
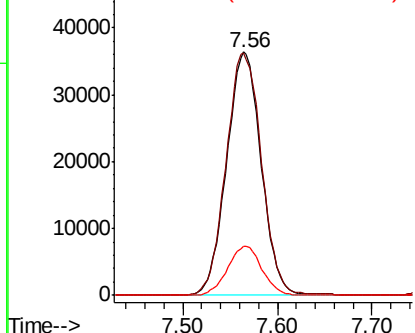


Abundance

Ion 112.80 (112.50 to 113.50): V

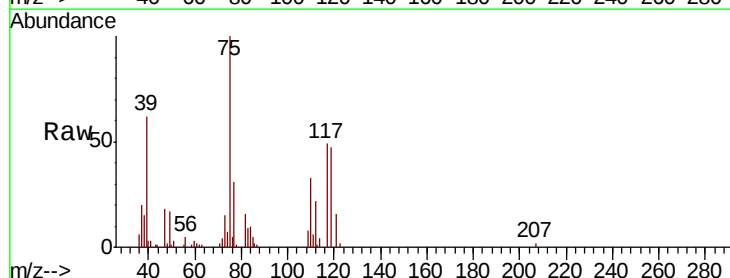
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 16.718 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.3	52.0
77	30.7	24.2	36.2

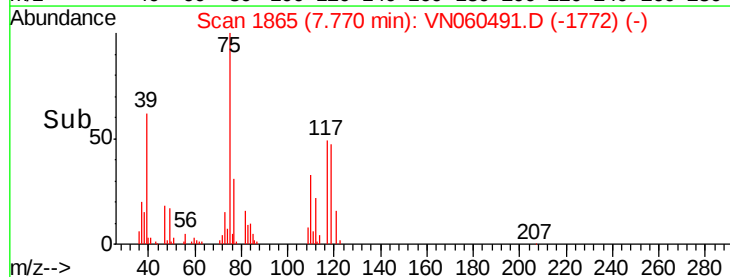
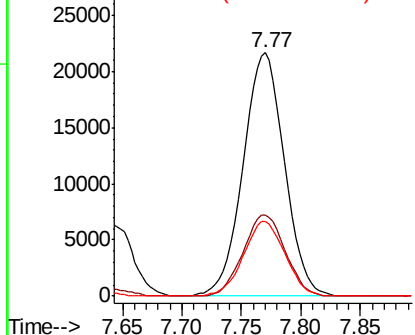


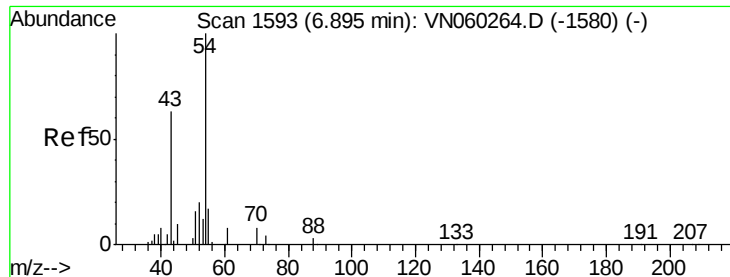
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

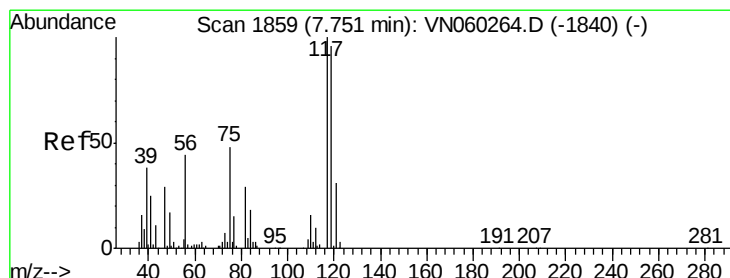
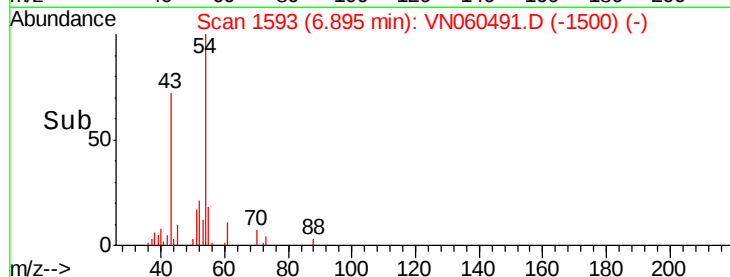
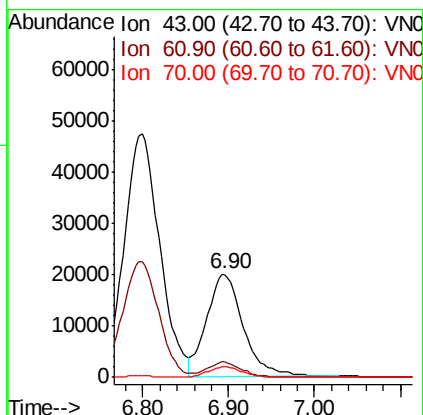
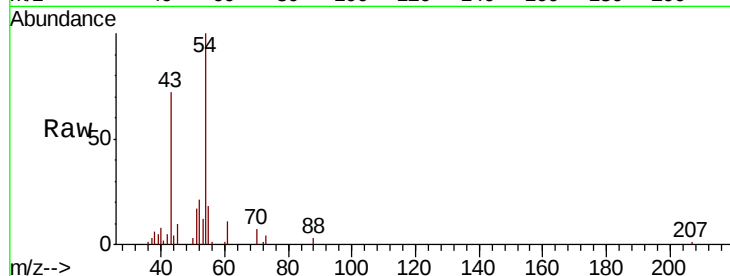




#37
Ethyl Acetate
Concen: 20.232 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

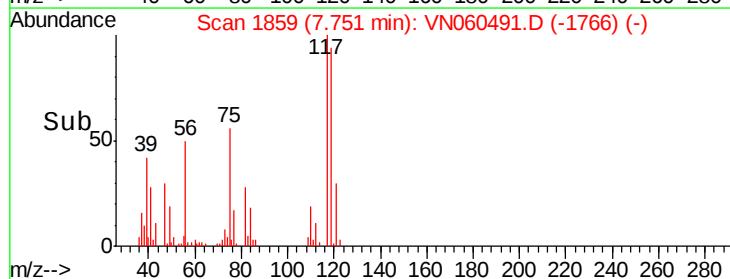
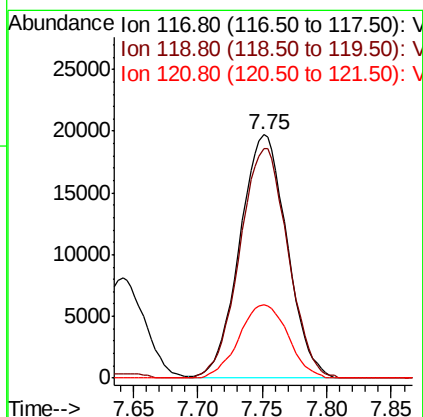
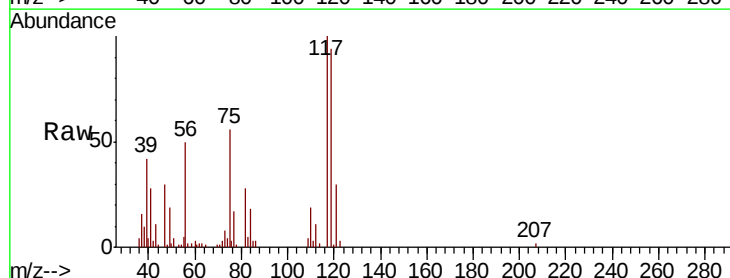
Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

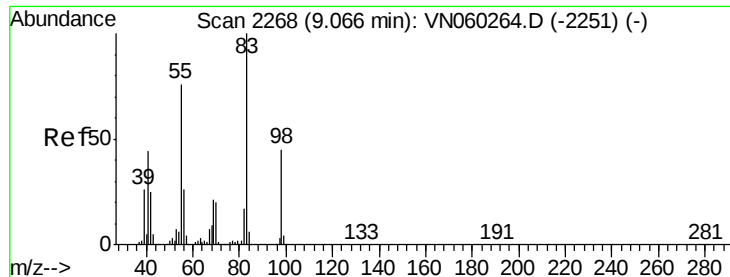
Tot Ion: 43 Resp: 59689
Ion Ratio Lower Upper
43 100
61 13.6 11.1 16.7
70 9.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 16.606 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion: 117 Resp: 50375
Ion Ratio Lower Upper
117 100
119 94.3 76.7 115.1
121 30.2 24.5 36.7

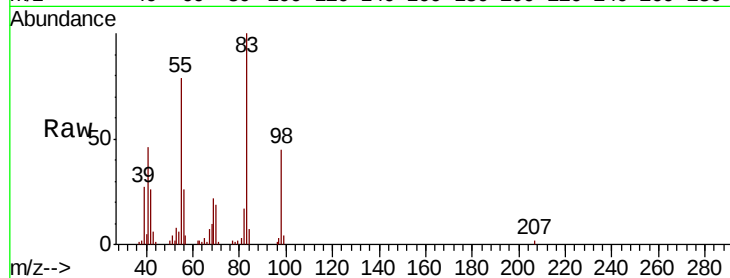




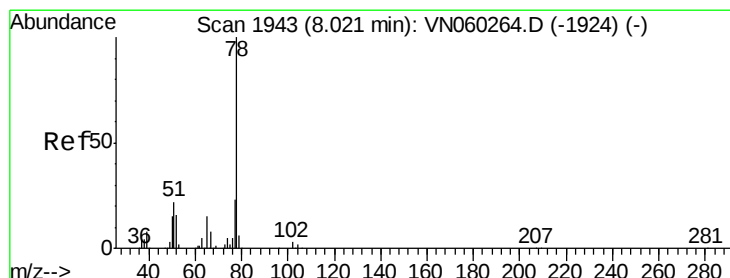
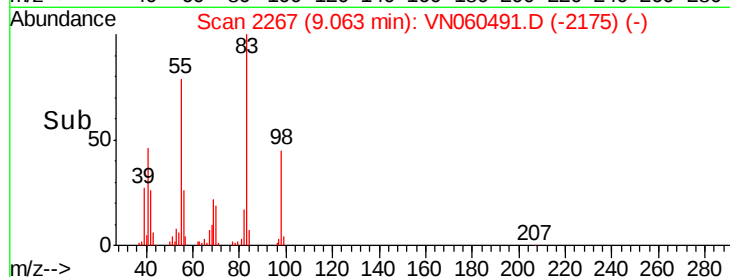
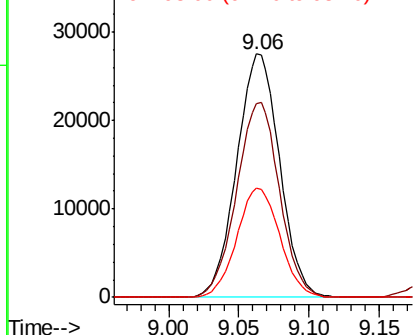
#39
Methvlcvclohexane
Concen: 15.939 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion: 83 Resp: 58552
Ion Ratio Lower Upper
83 100
55 79.4 61.0 91.4
98 45.1 36.1 54.1

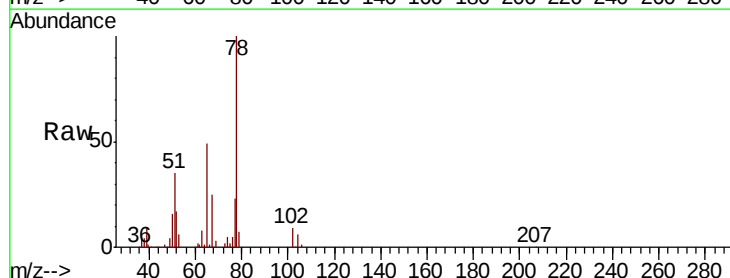


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

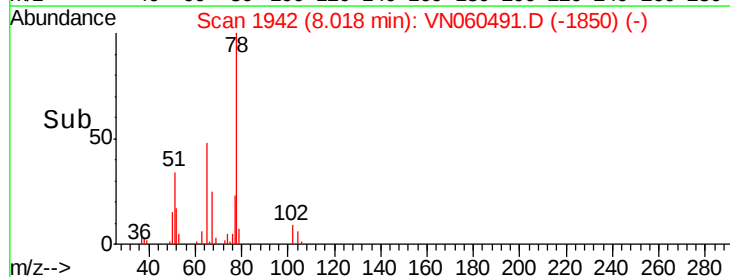
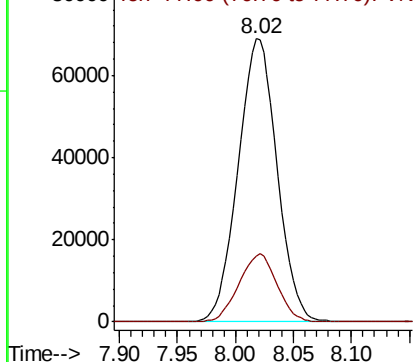


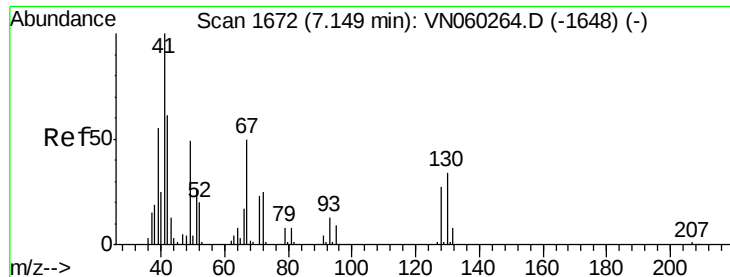
#40
Benzene
Concen: 17.755 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion: 78 Resp: 161012
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

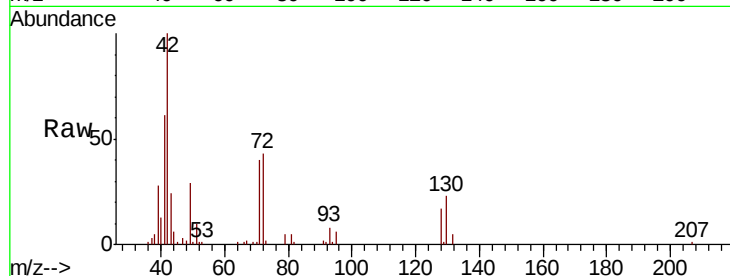




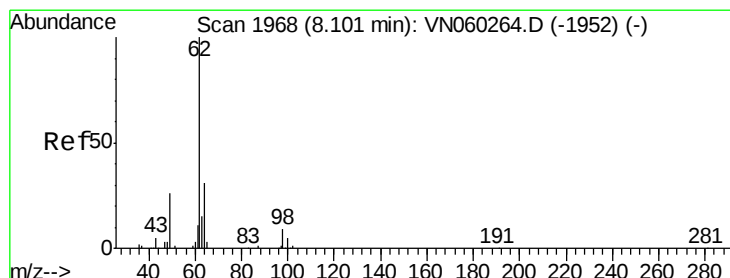
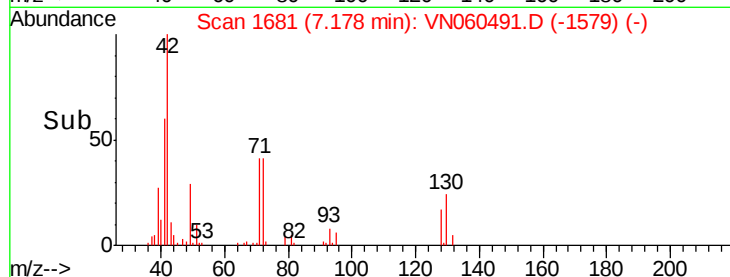
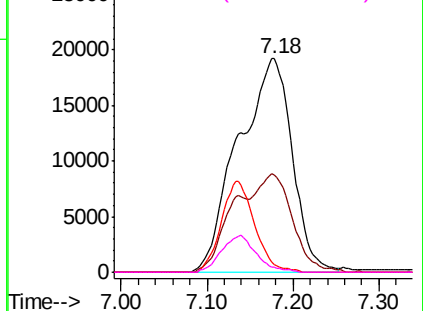
#41
Methacrylonitrile
Concen: 61.308 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion:	41	Resp:	83513
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

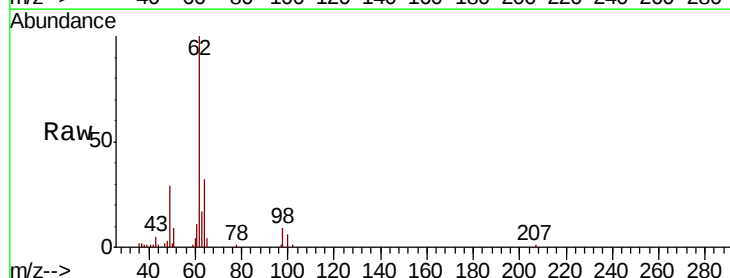


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

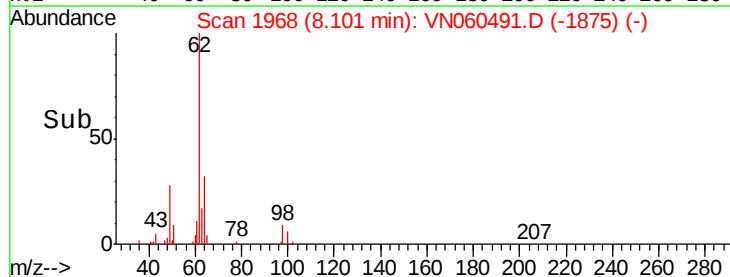
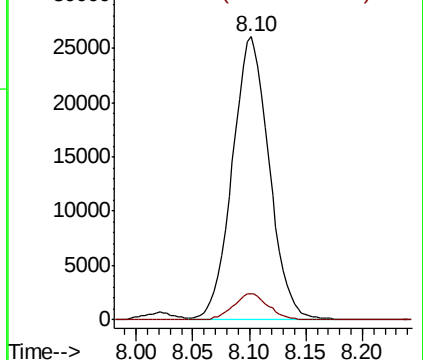


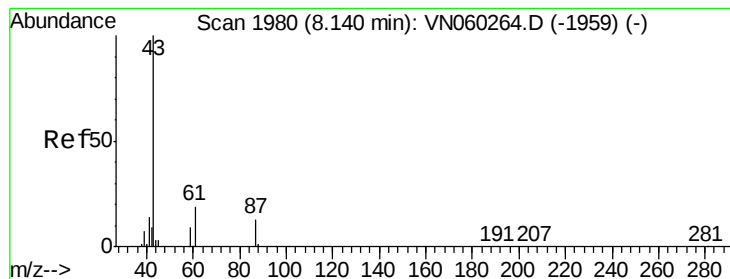
#42
1,2-Dichloroethane
Concen: 18.096 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion:	62	Resp:	59217
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.489 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

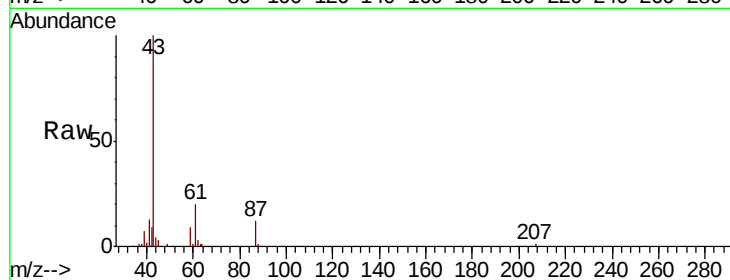
Tot Ion: 43 Resp: 100656

Ion Ratio Lower Upper

43 100

61 25.6 20.9 31.3

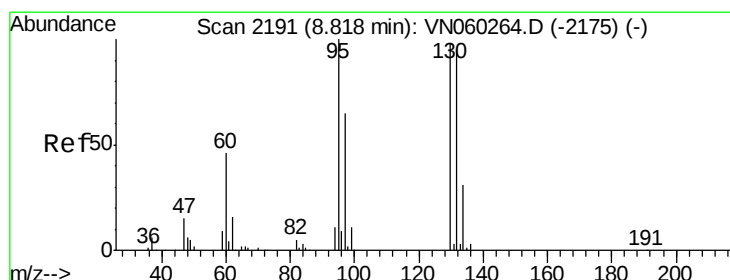
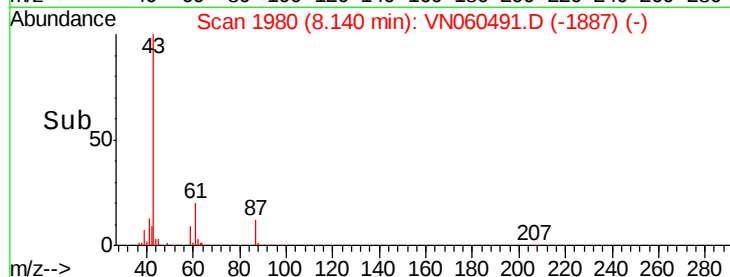
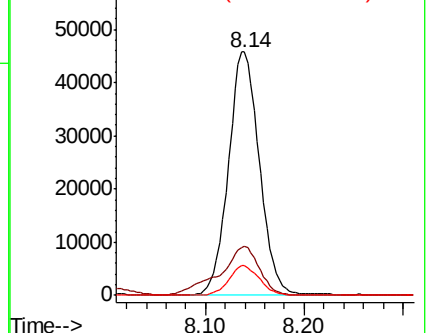
87 11.7 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)



#44

Trichloroethene

Concen: 16.688 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060491.D

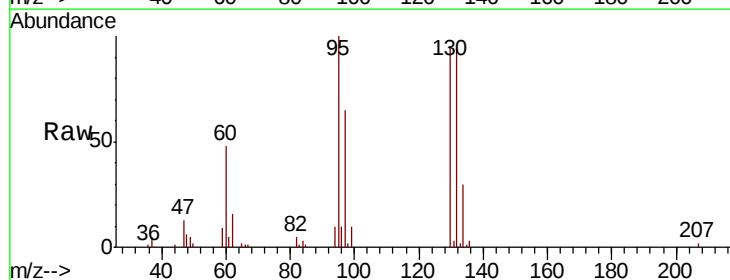
Acq: 13 Mar 2020 10:43

Tgt Ion: 130 Resp: 42148

Ion Ratio Lower Upper

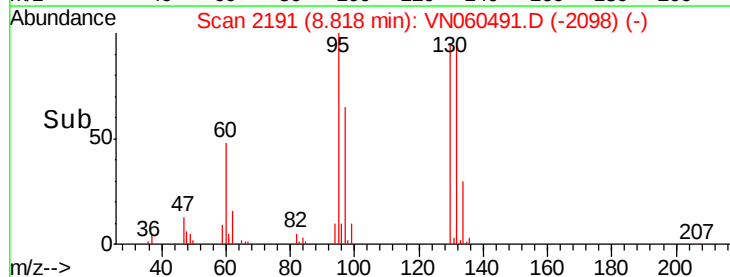
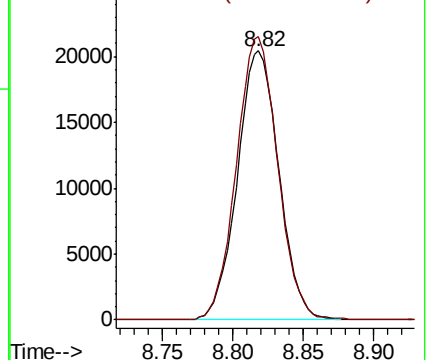
130 100

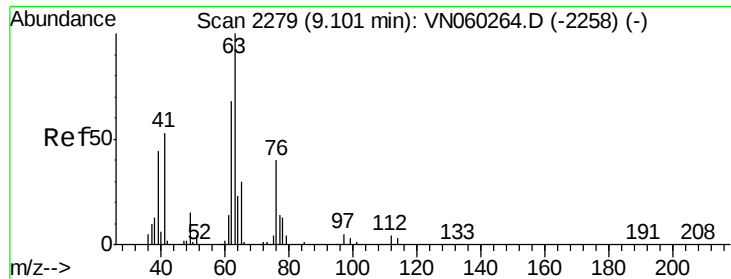
95 105.3 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060264.D (-2175) (-)

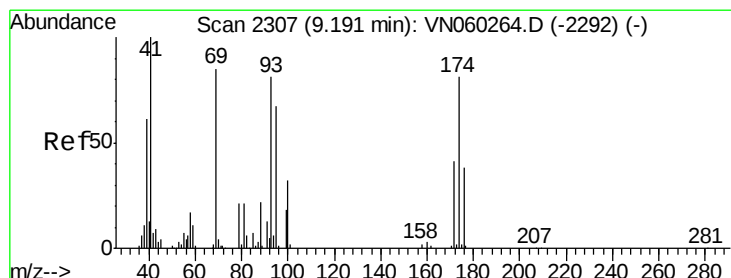
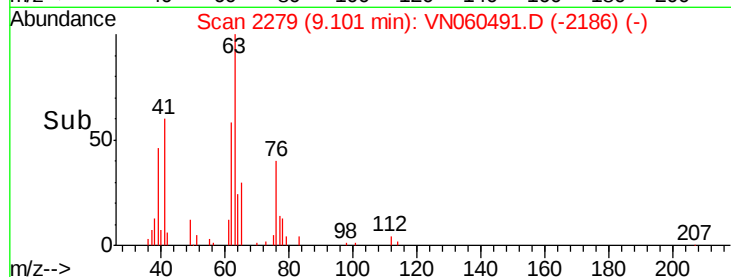
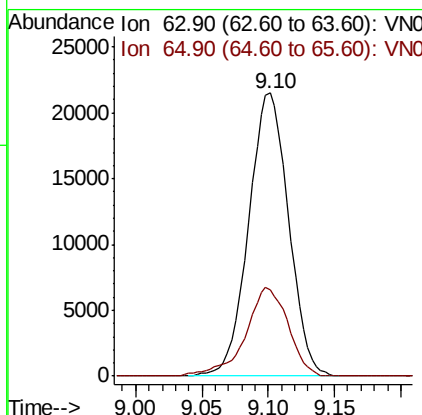
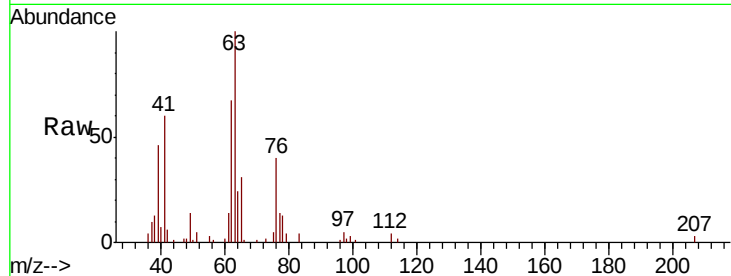




#45
 1,2-Dichloropropane
 Concen: 18.975 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

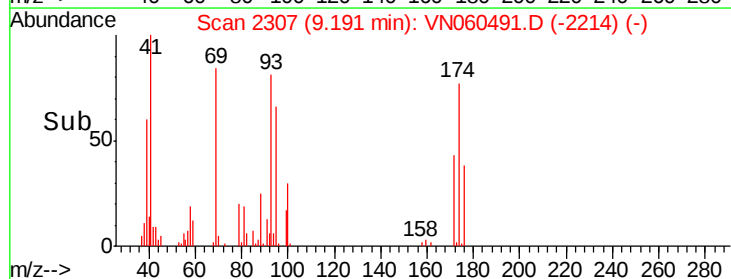
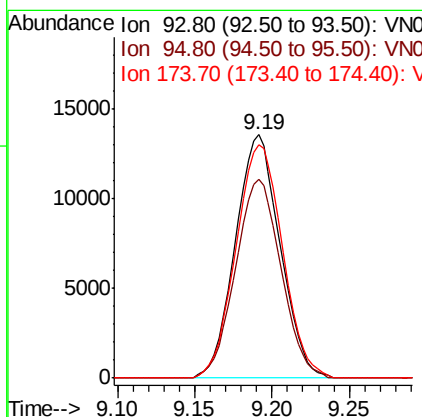
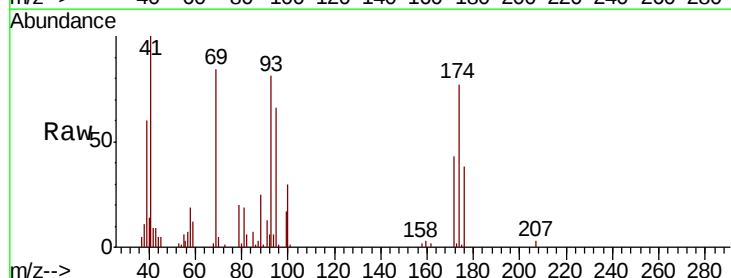
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

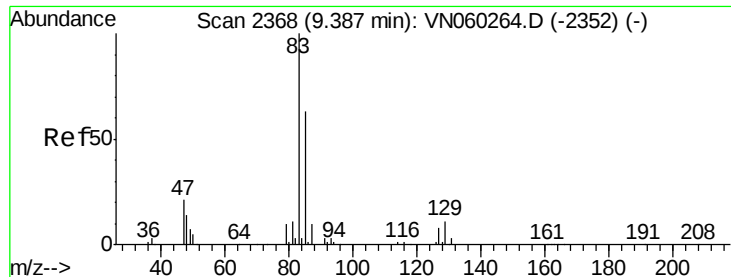
Tot Ion: 63 Resp: 44989
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.4 36.6



#46
 Dibromomethane
 Concen: 17.730 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion: 93 Resp: 27276
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.9 98.9
 174 99.8 79.6 119.4





#47

Bromodichloromethane

Concen: 18.839 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

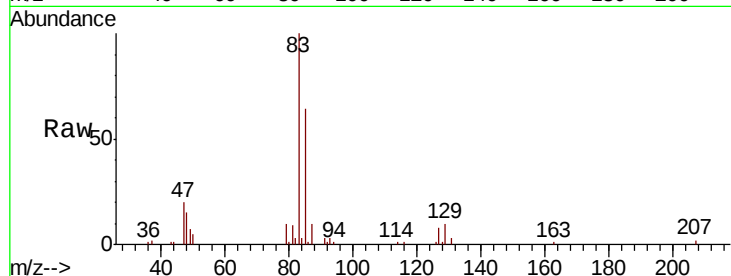
Tot Ion: 83 Resp: 58945

Ion Ratio Lower Upper

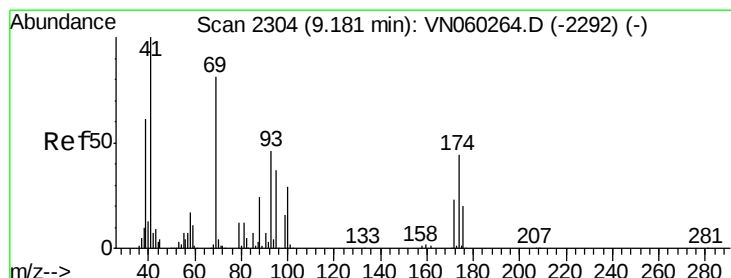
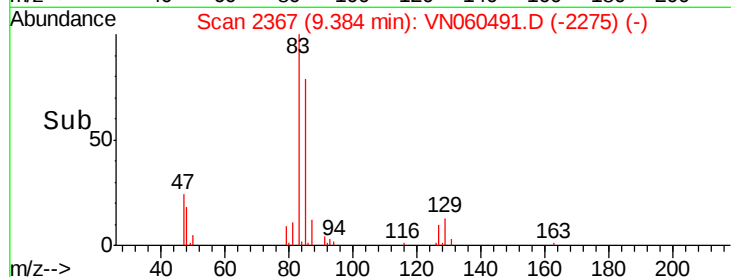
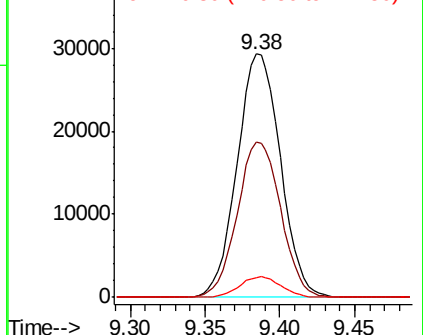
83 100

85 63.6 50.7 76.1

127 8.2 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 18.089 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

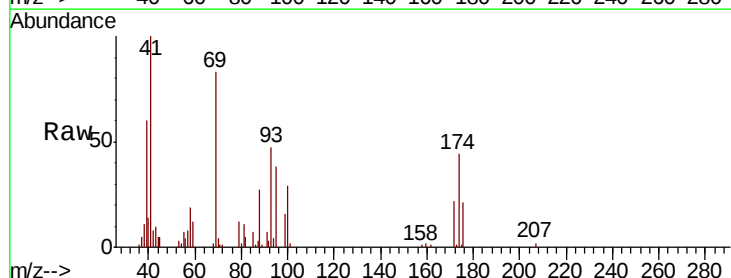
Tgt Ion: 41 Resp: 42604

Ion Ratio Lower Upper

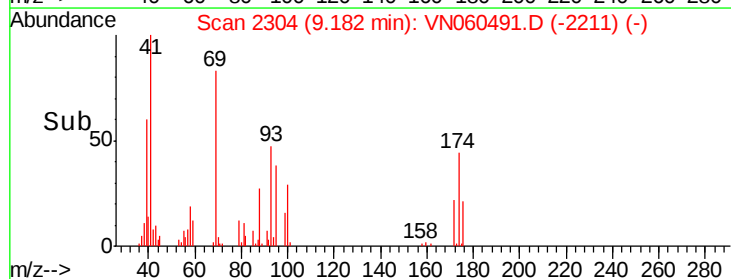
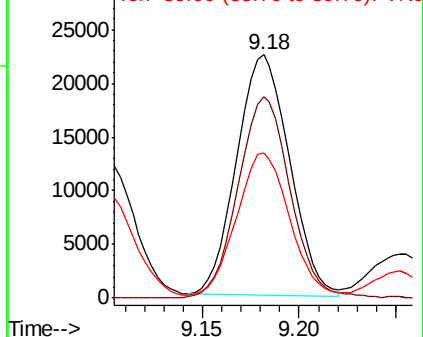
41 100

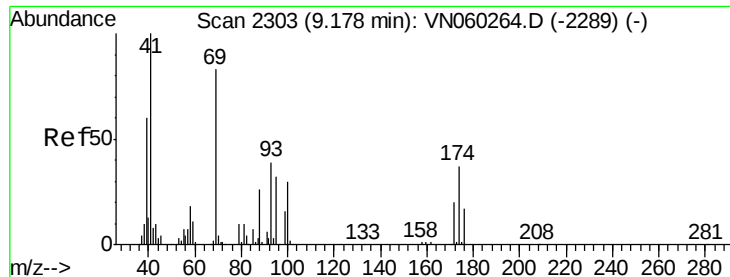
69 82.7 66.7 100.1

39 61.7 50.1 75.1



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

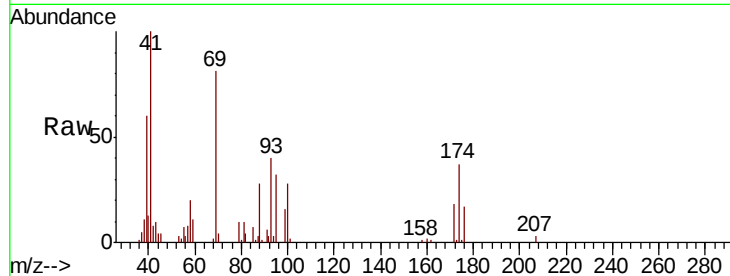




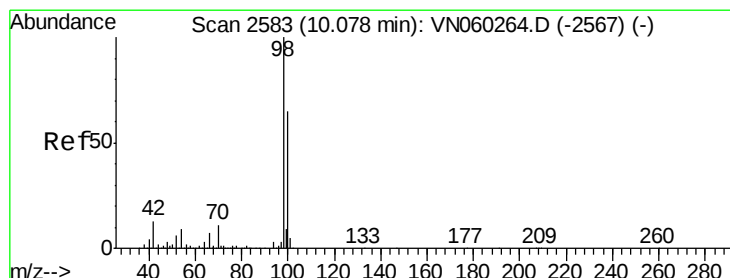
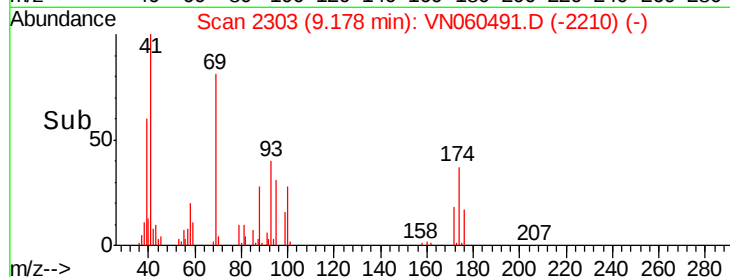
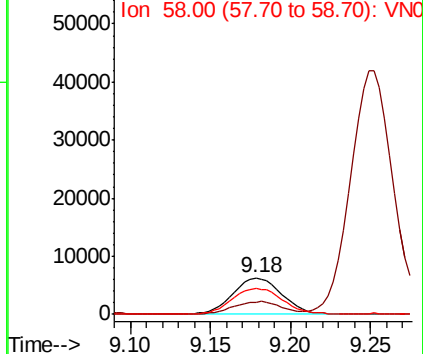
#49
1,4-Dioxane
Concen: 394.409 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

Tot Ion: 88 Resp: 13063
Ion Ratio Lower Upper
88 100
43 35.6 30.4 45.6
58 73.6 57.0 85.6

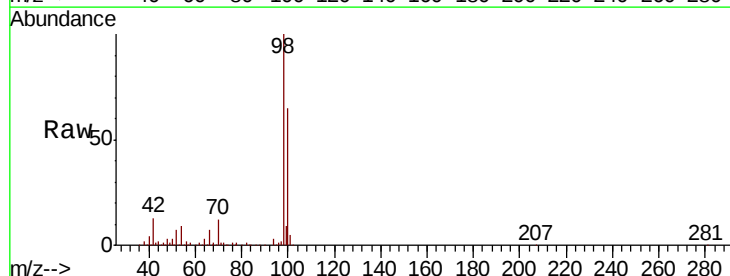


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

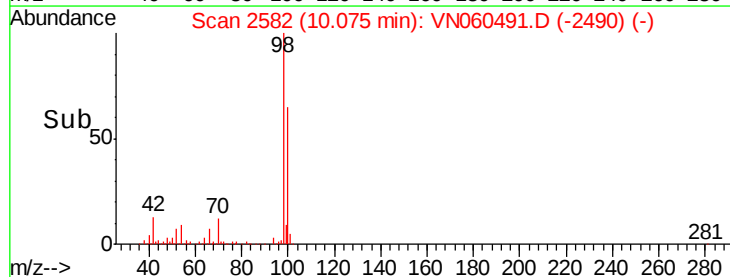
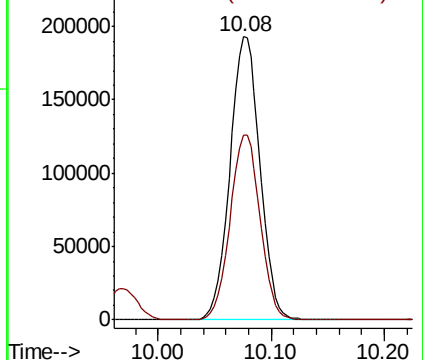


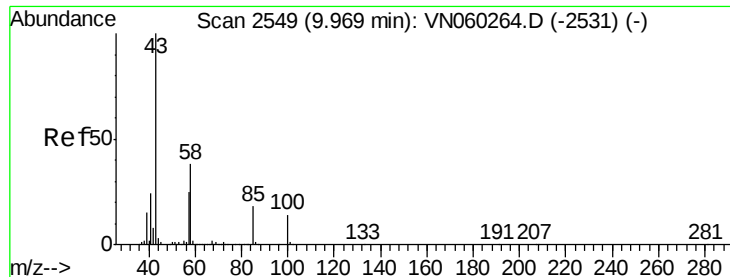
#50
Toluene-d8
Concen: 46.297 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion: 98 Resp: 355557
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 100.454 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

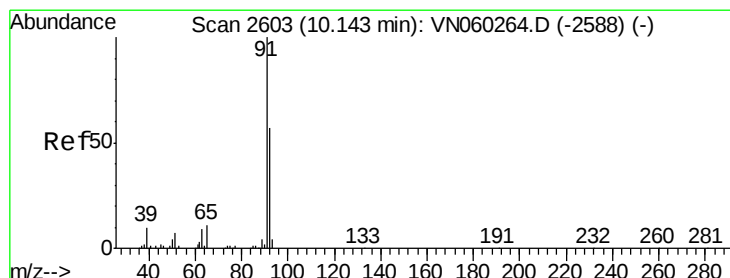
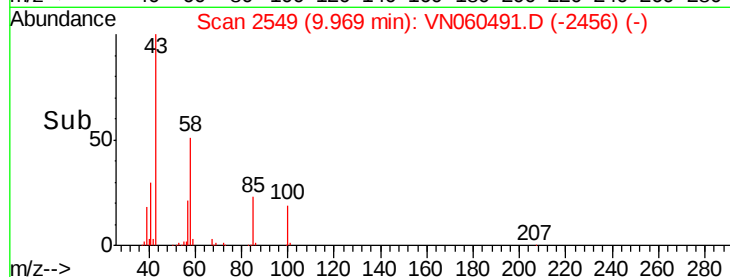
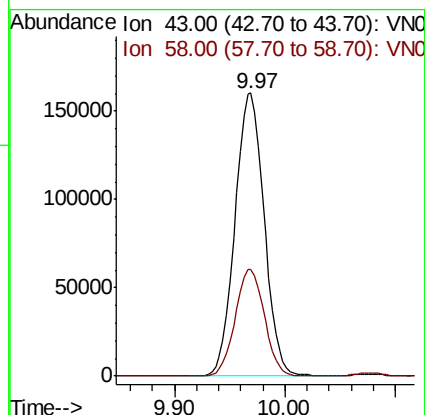
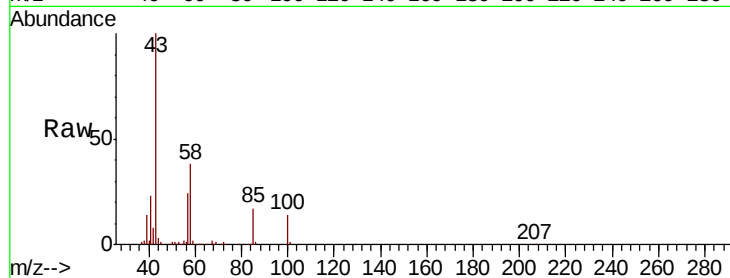
VN0313WBS01

Tot Ion: 43 Resp: 294162

Ion Ratio Lower Upper

43 100

58 37.8 30.9 46.3



#52

Toluene

Concen: 17.429 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060491.D

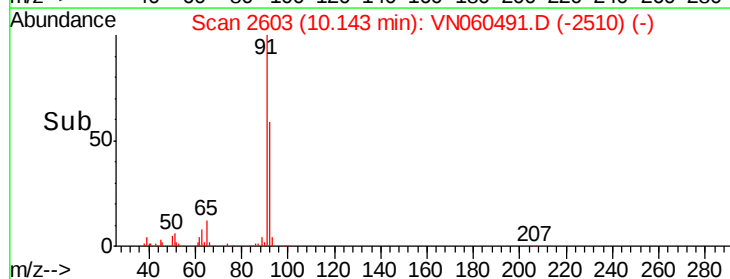
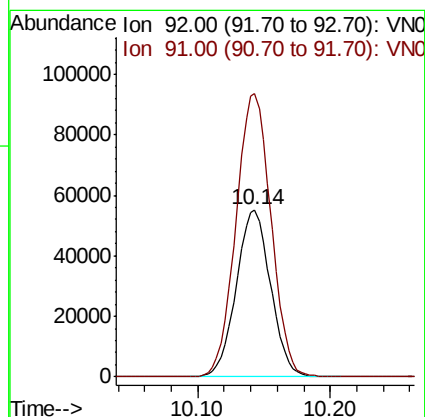
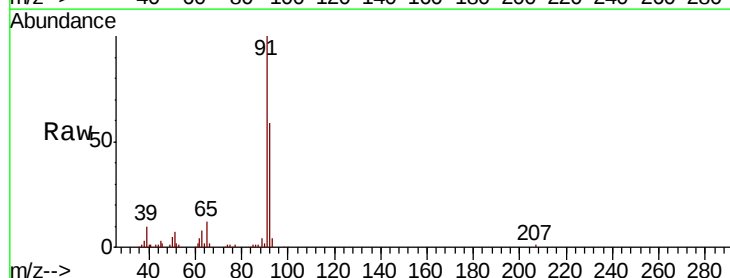
Acq: 13 Mar 2020 10:43

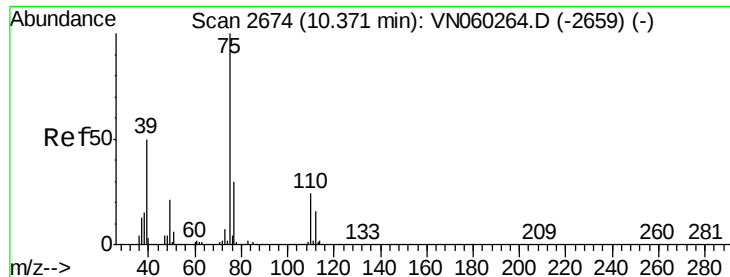
Tgt Ion: 92 Resp: 99284

Ion Ratio Lower Upper

92 100

91 173.0 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 16.926 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

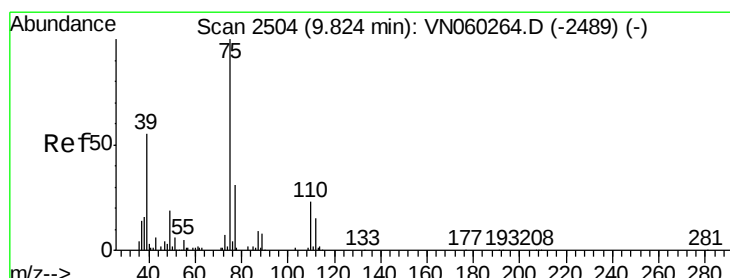
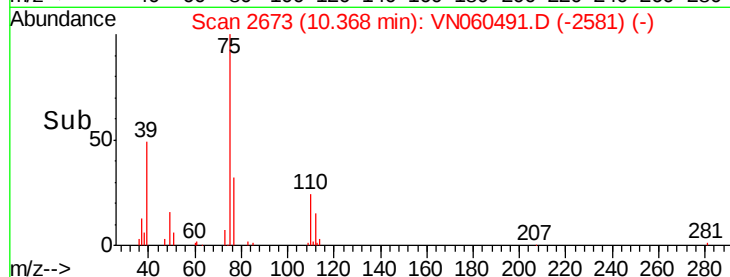
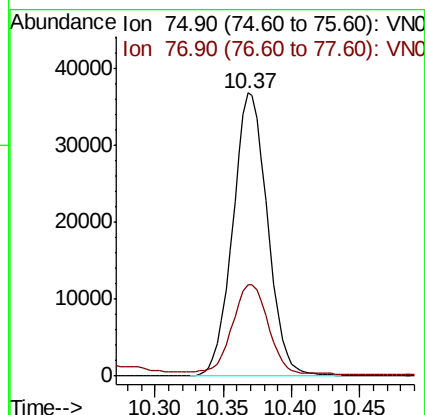
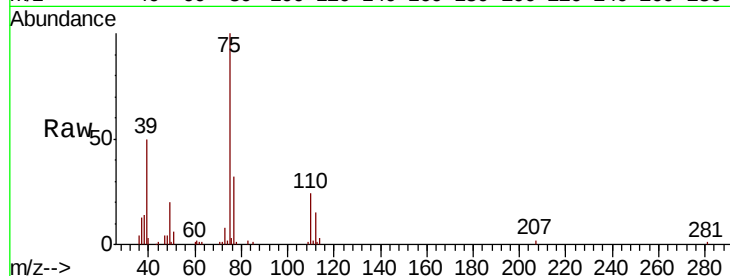
VN0313WBS01

Tot Ion: 75 Resp: 64895

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 17.897 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

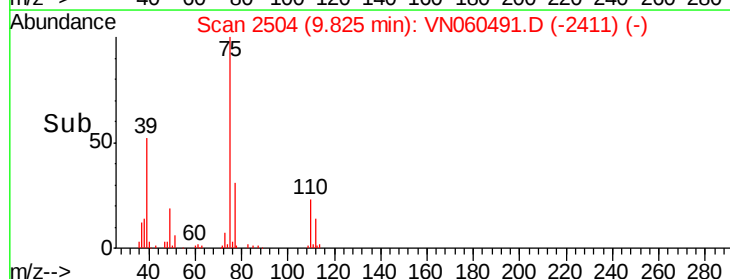
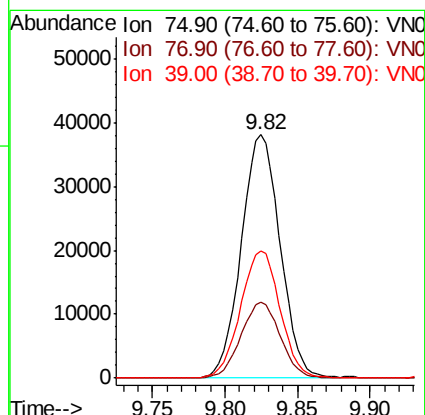
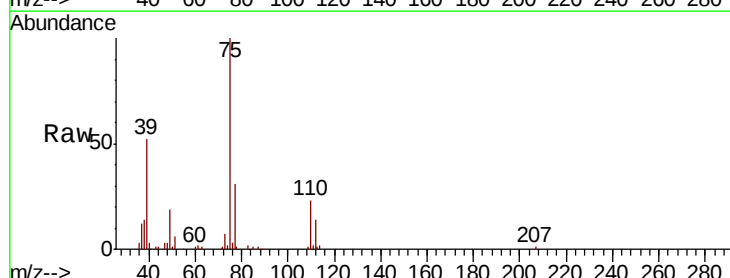
Tgt Ion: 75 Resp: 71100

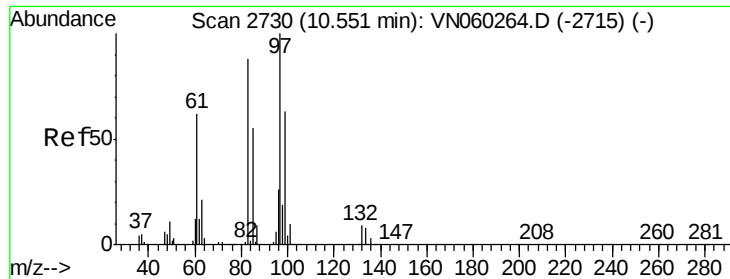
Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 52.4 43.8 65.8

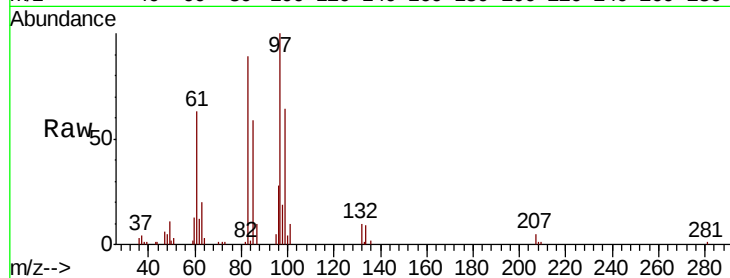




#55
 1,1,2-Trichloroethane
 Concen: 17.572 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.0	105.0
85	58.9	44.0	66.0
99	63.8	50.4	75.6



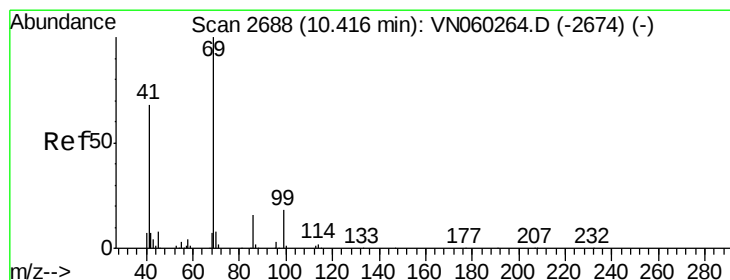
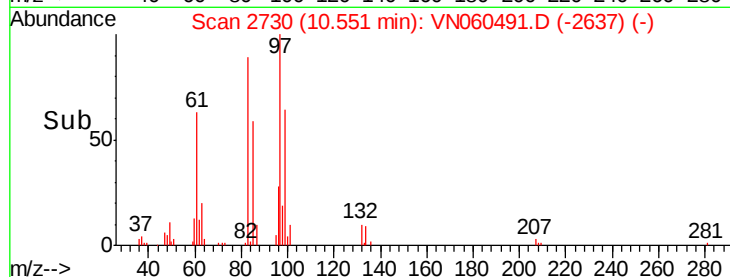
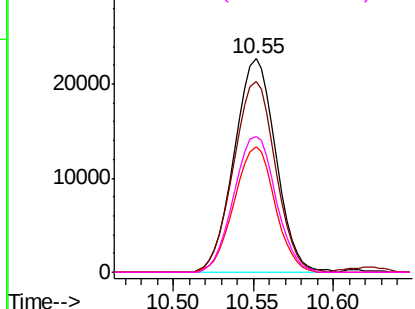
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

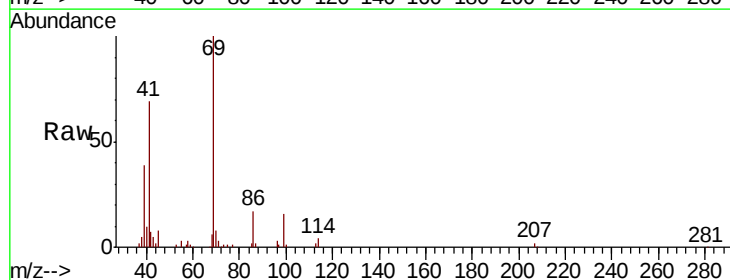
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 18.467 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.9	54.1	81.1
39	39.9	32.5	48.7

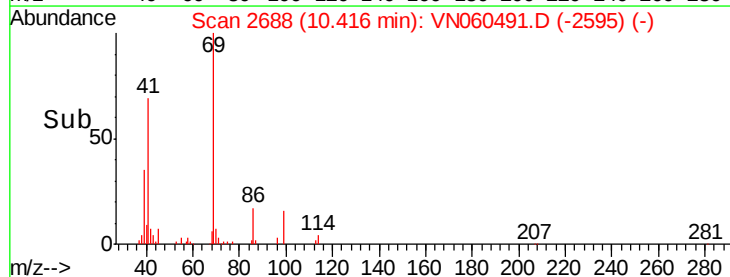
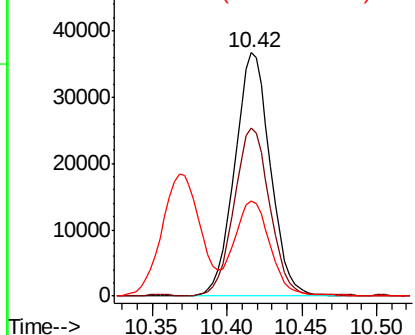


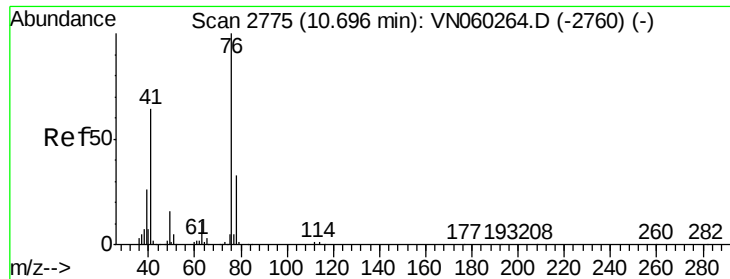
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 18.698 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

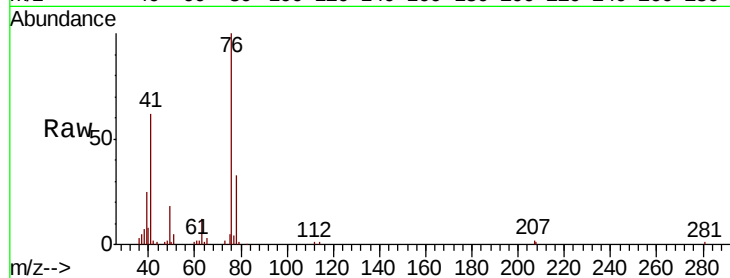
VN0313WBS01

Tot Ion: 76 Resp: 69853

Ion Ratio Lower Upper

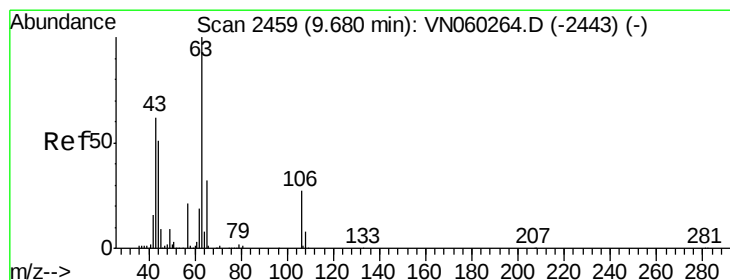
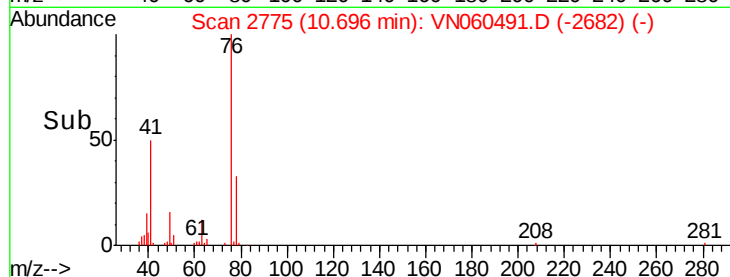
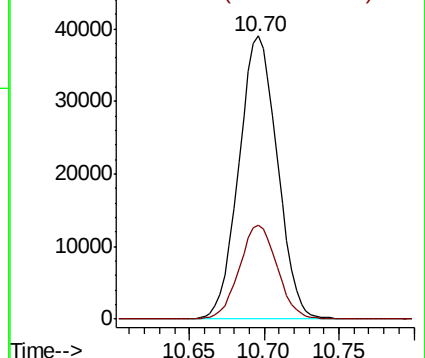
76 100

78 32.6 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 88.099 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060491.D

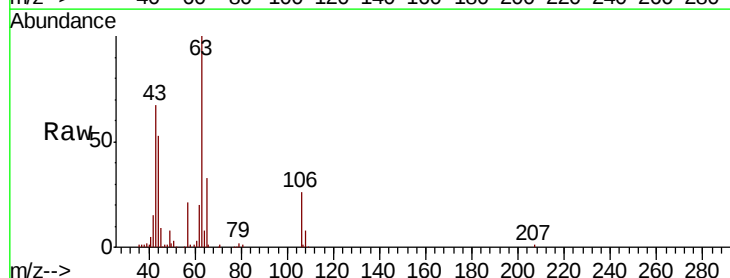
Acq: 13 Mar 2020 10:43

Tgt Ion: 63 Resp: 151640

Ion Ratio Lower Upper

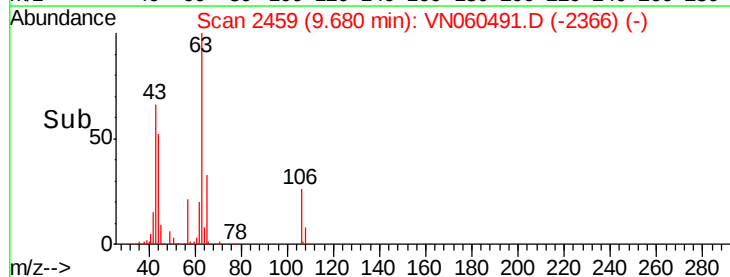
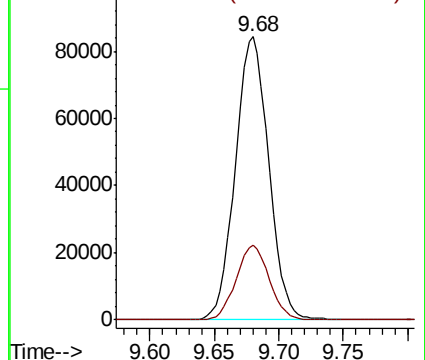
63 100

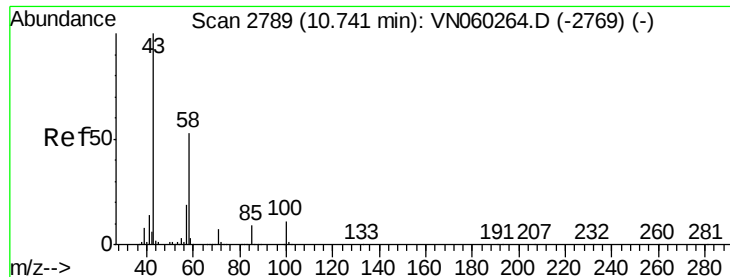
106 26.1 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

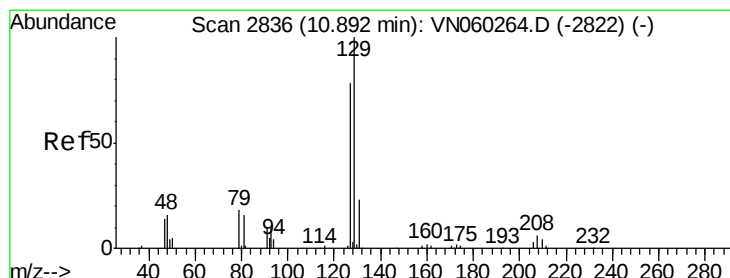
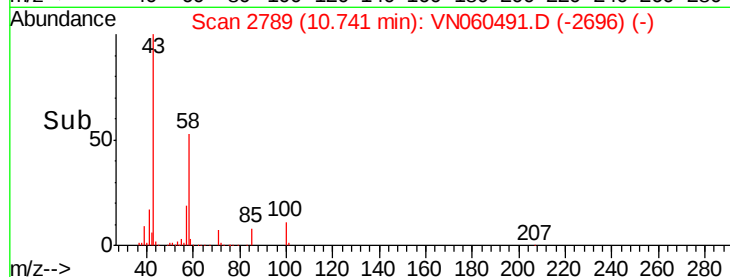
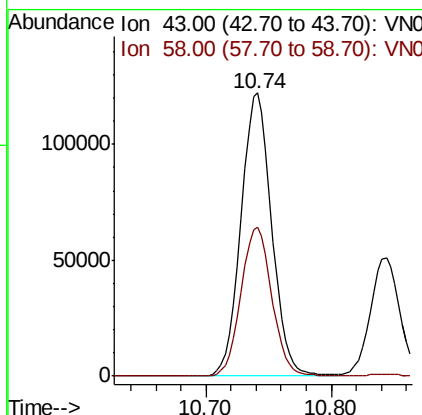
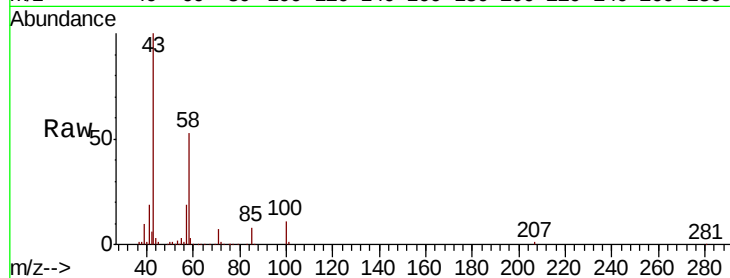




#59
2-Hexanone
Concen: 96.866 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

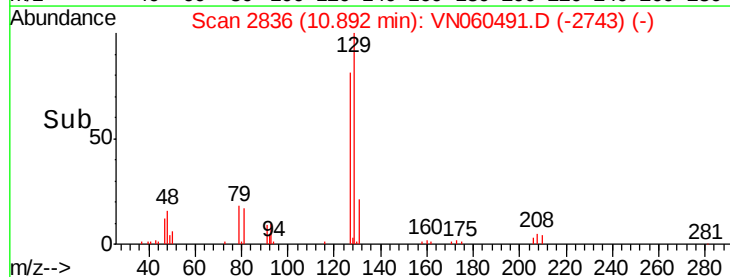
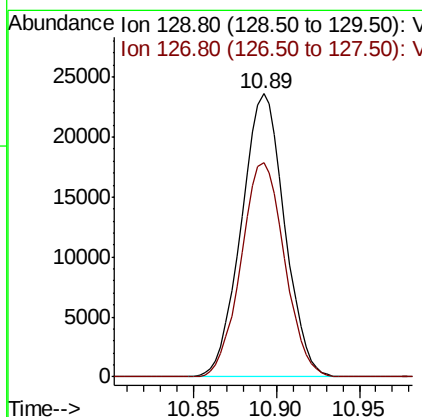
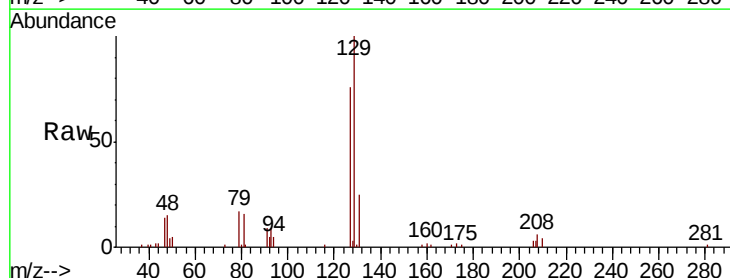
Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

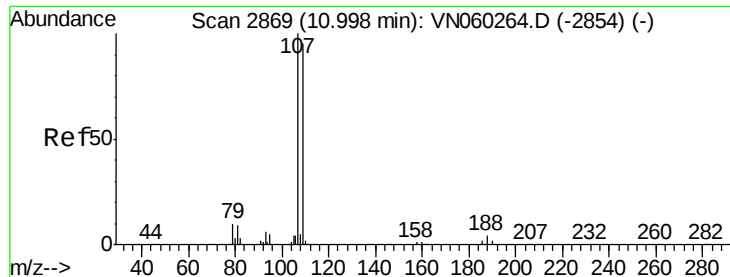
Tot Ion: 43 Resp: 208267
Ion Ratio Lower Upper
43 100
58 52.7 26.5 79.5



#60
Dibromochloromethane
Concen: 18.350 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion: 129 Resp: 42748
Ion Ratio Lower Upper
129 100
127 76.2 38.9 116.7

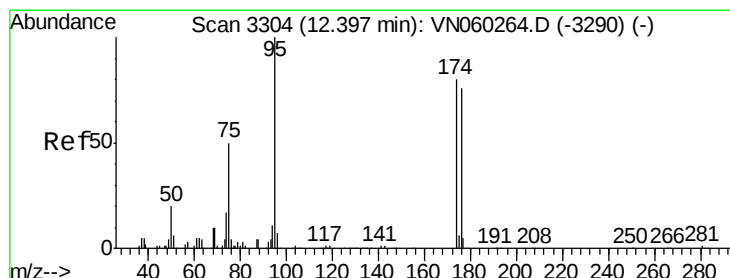
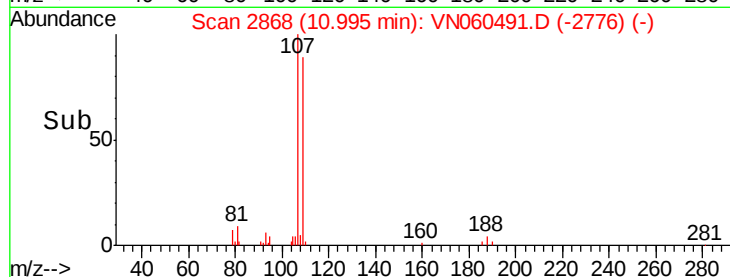
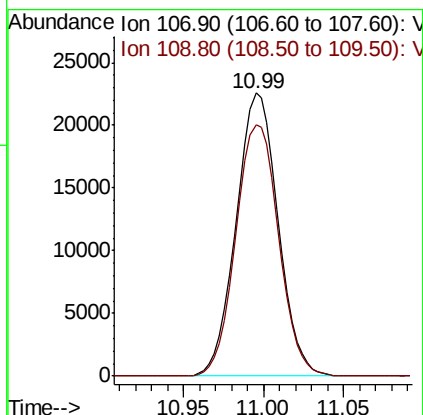
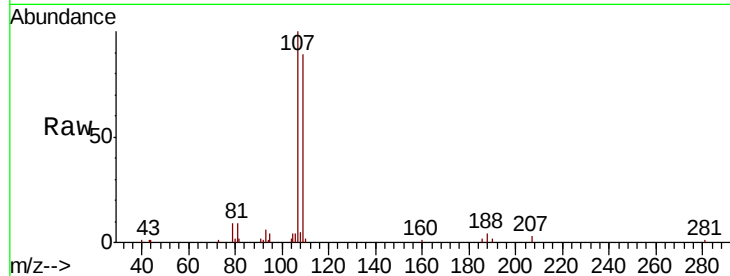




#61
 1,2-Dibromoethane
 Concen: 18.038 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

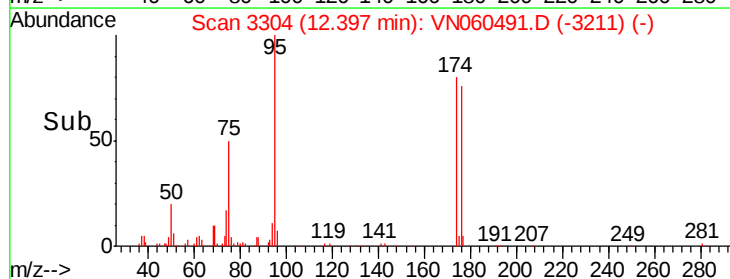
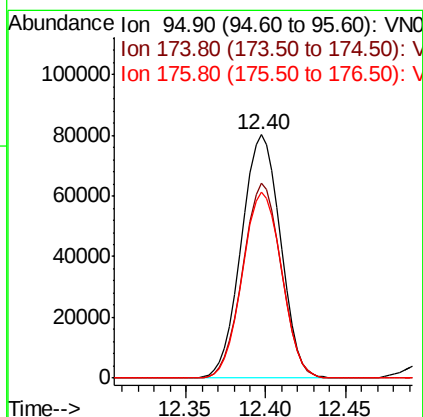
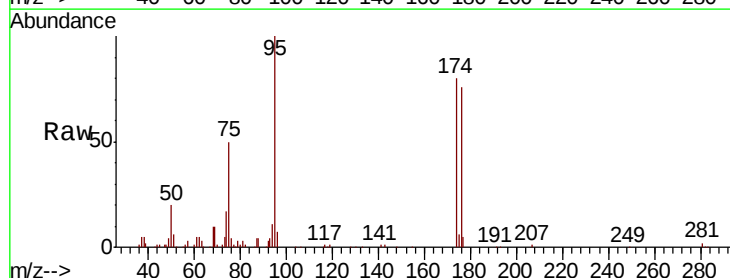
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

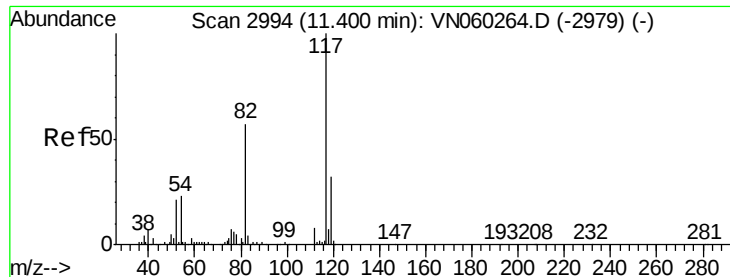
Tot Ion: 107 Resp: 40280
 Ion Ratio Lower Upper
 107 100
 109 91.2 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 45.969 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion: 95 Resp: 133828
 Ion Ratio Lower Upper
 95 100
 174 78.9 0.0 159.2
 176 77.0 0.0 153.8

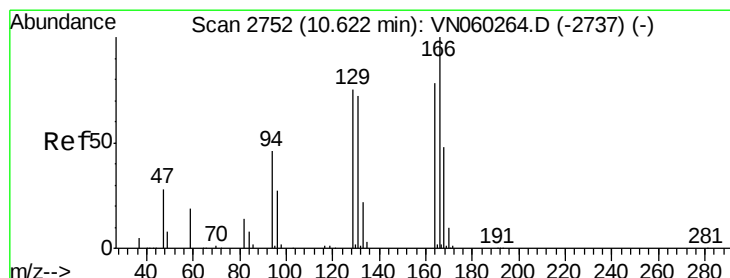
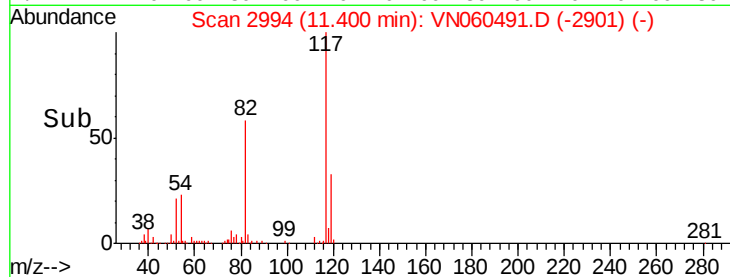
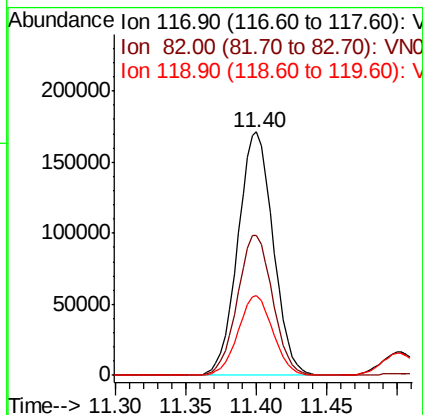
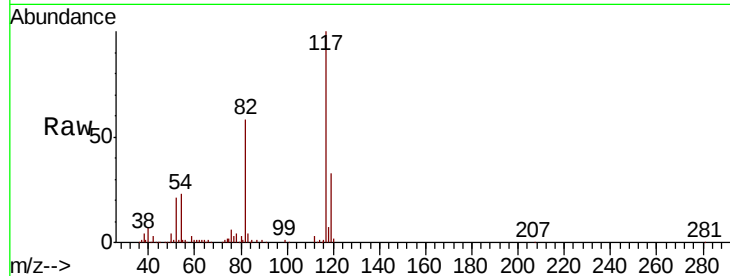




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

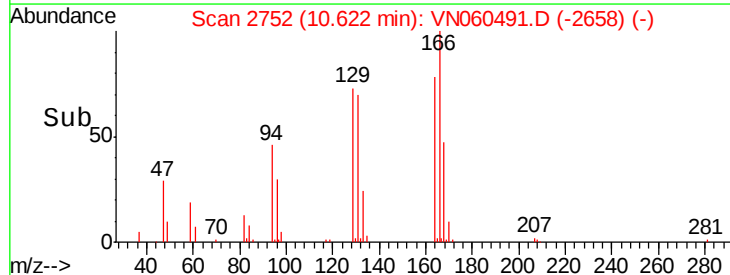
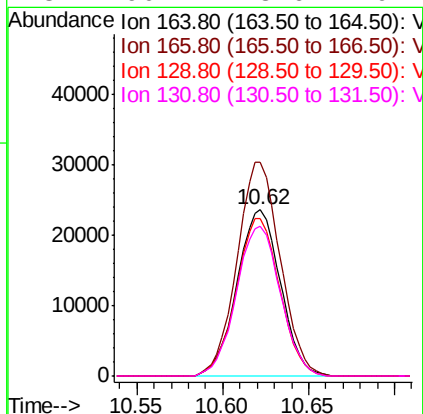
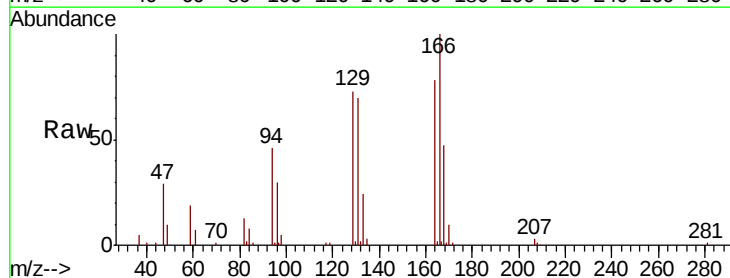
Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

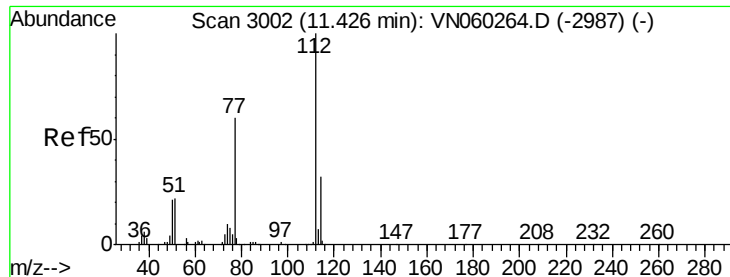
Tot Ion:117 Resp: 299789
Ion Ratio Lower Upper
117 100
82 57.6 45.8 68.6
119 32.7 25.8 38.8



#64
Tetrachloroethene
Concen: 16.647 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion:164 Resp: 41520
Ion Ratio Lower Upper
164 100
166 128.7 102.0 153.0
129 94.6 76.4 114.6
131 90.2 73.6 110.4





#65

Chlorobenzene

Concen: 16.958 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

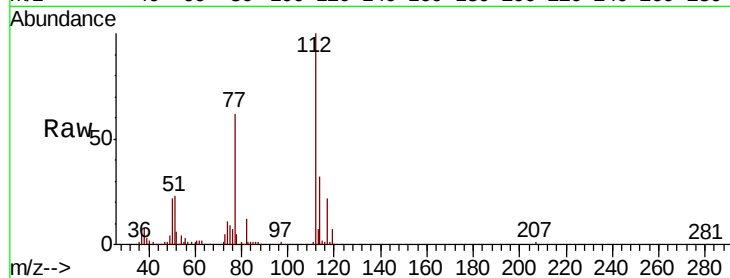
VN0313WBS01

Tot Ion:112 Resp: 102658

Ion Ratio Lower Upper

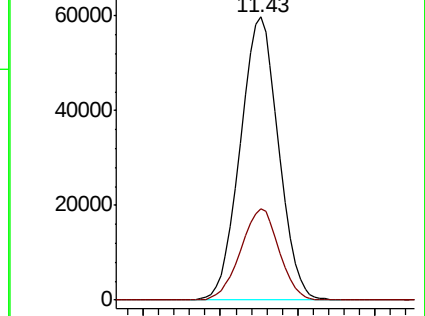
112 100

114 32.1 25.4 38.0

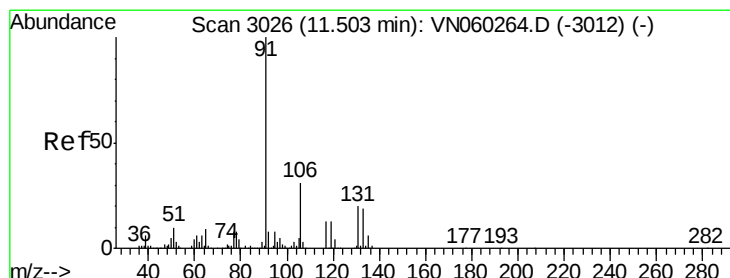
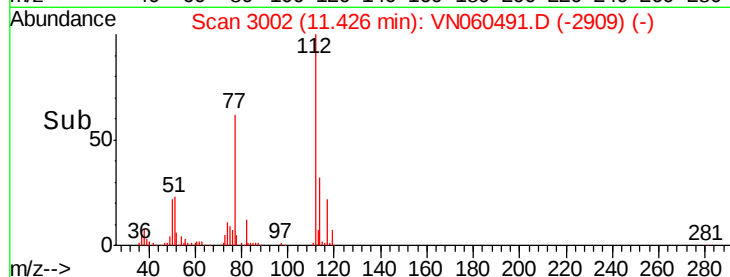


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 17.956 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

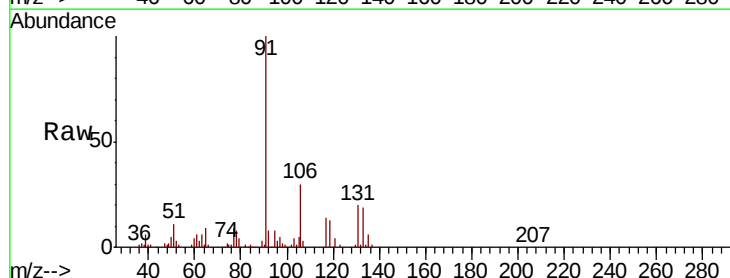
Tgt Ion:131 Resp: 40189

Ion Ratio Lower Upper

131 100

133 96.3 47.7 143.1

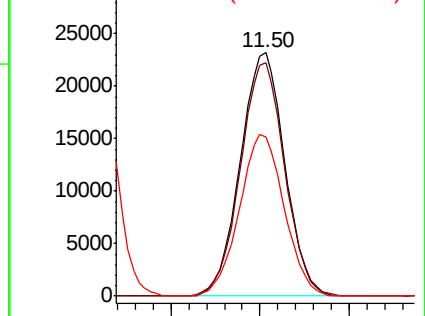
119 66.9 33.2 99.6



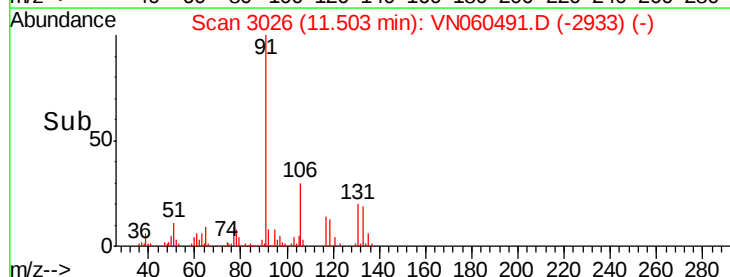
Abundance Ion 130.80 (130.50 to 131.50): V

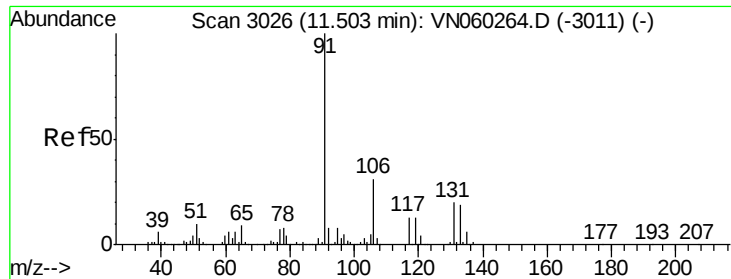
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->





#67

Ethyl Benzene

Concen: 17.378 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

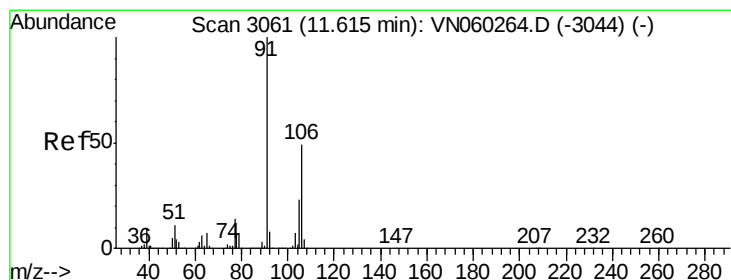
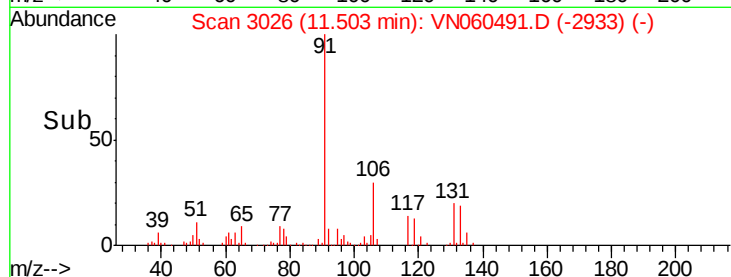
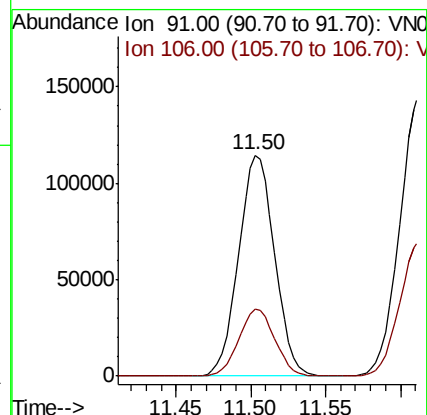
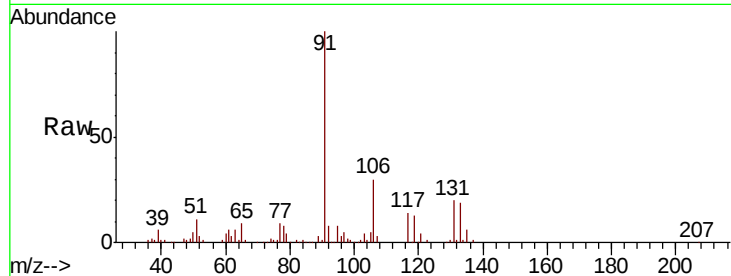
VN0313WBS01

Tot Ion: 91 Resp: 191569

Ion Ratio Lower Upper

91 100

106 30.3 24.7 37.1



#68

m/p-Xylenes

Concen: 33.856 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060491.D

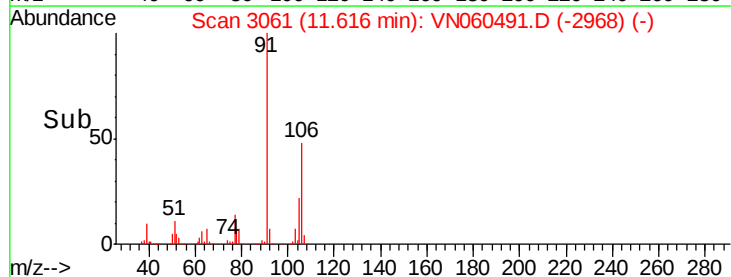
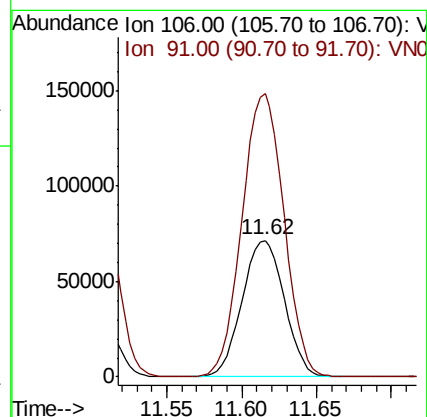
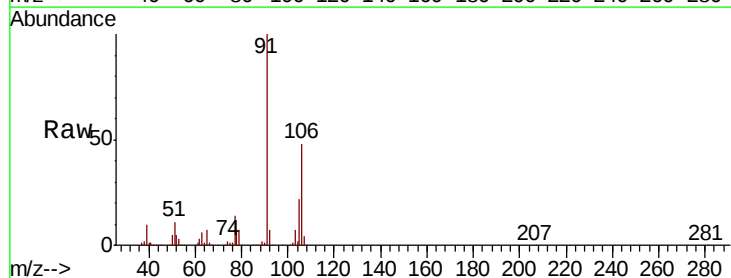
Acq: 13 Mar 2020 10:43

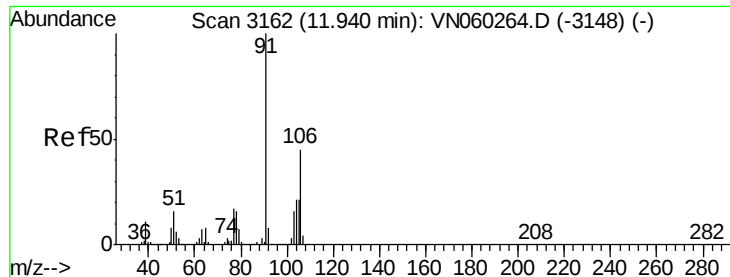
Tgt Ion: 106 Resp: 140815

Ion Ratio Lower Upper

106 100

91 206.4 164.5 246.7

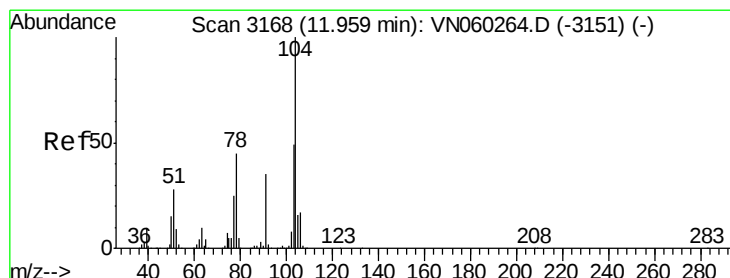
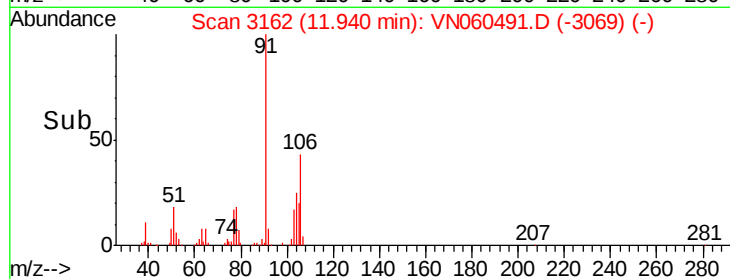
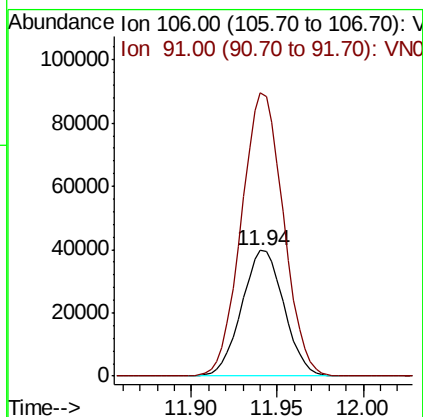
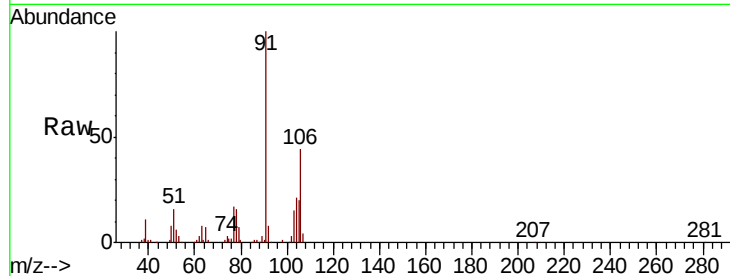




#69
o-Xylene
Concen: 17.040 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

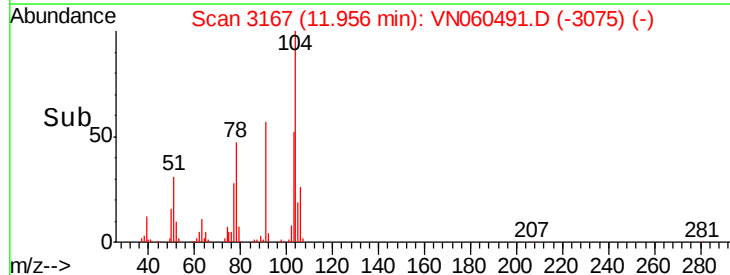
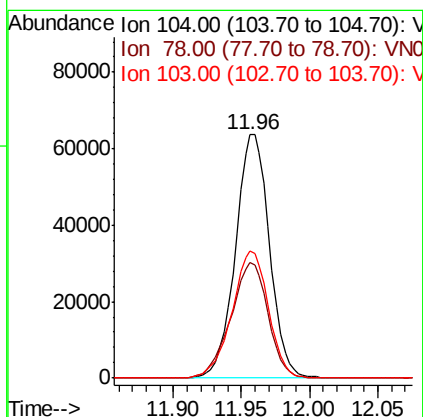
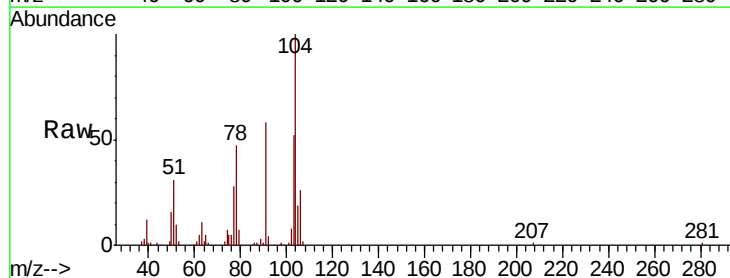
Instrument :
MSVOA_N
ClientSampled :
VN0313WBS01

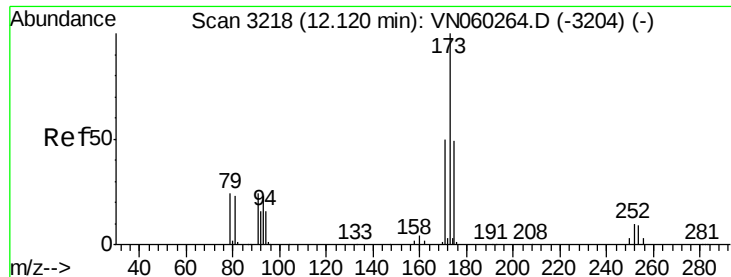
Tot Ion:106 Resp: 67584
Ion Ratio Lower Upper
106 100
91 224.3 109.5 328.4



#70
Styrene
Concen: 16.894 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion:104 Resp: 110164
Ion Ratio Lower Upper
104 100
78 52.0 41.2 61.8
103 55.9 43.9 65.9





#71

Bromoform

Concen: 18.085 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

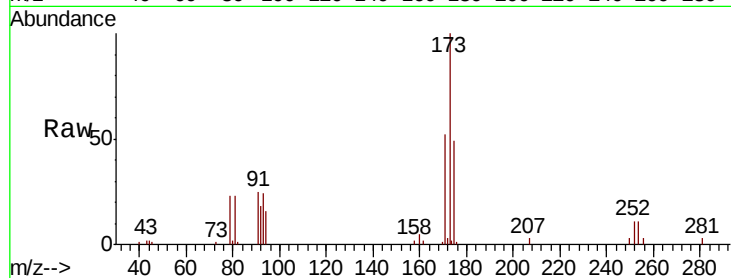
Tot Ion:173 Resp: 29174

Ion Ratio Lower Upper

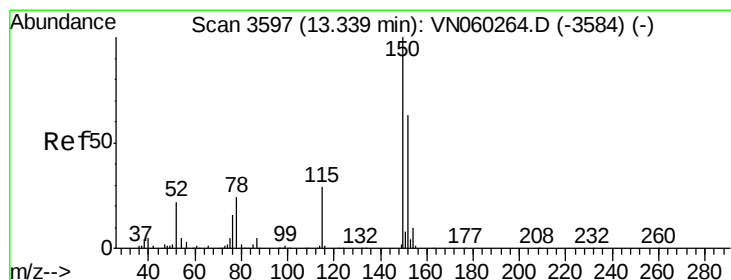
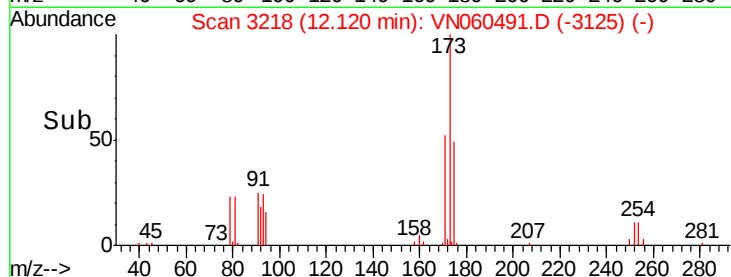
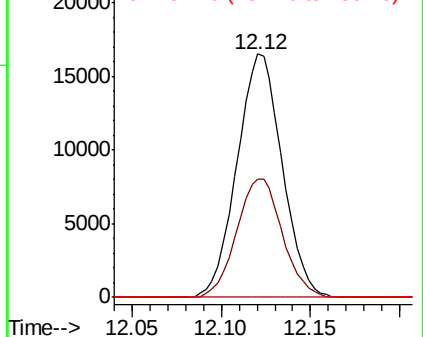
173 100

175 49.1 24.1 72.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

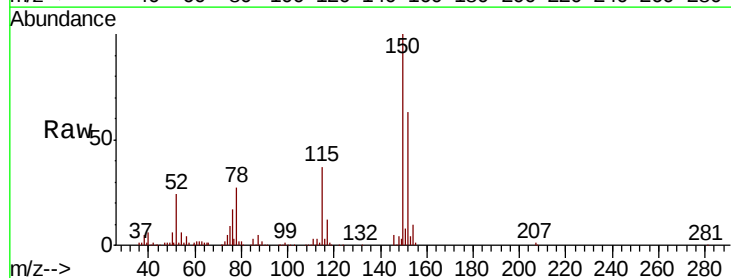
Tgt Ion:152 Resp: 140660

Ion Ratio Lower Upper

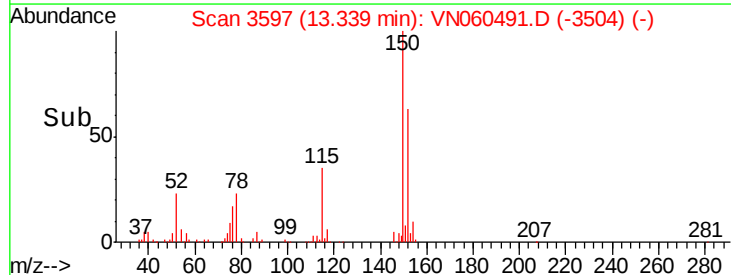
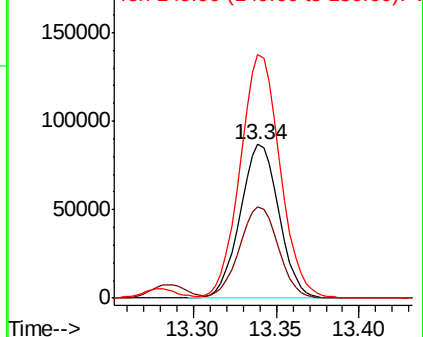
152 100

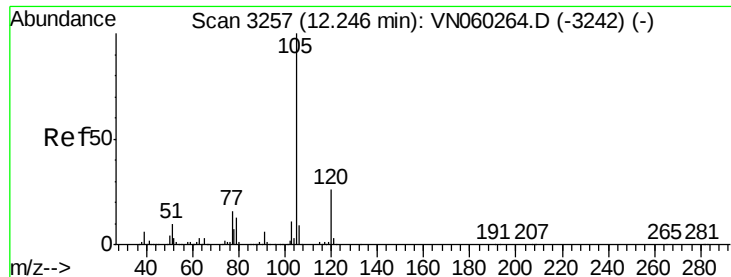
115 59.8 30.0 90.0

150 163.7 0.0 349.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.910 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

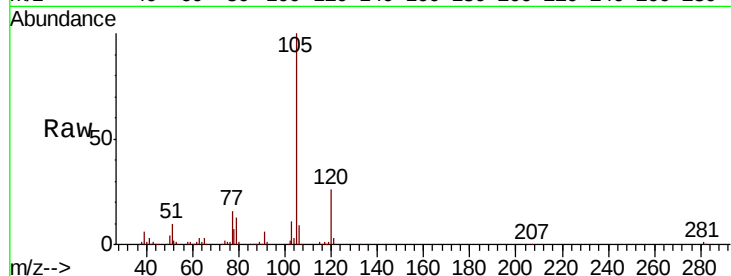
VN0313WBS01

Tot Ion:105 Resp: 186719

Ion Ratio Lower Upper

105 100

120 26.1 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

100000

80000

60000

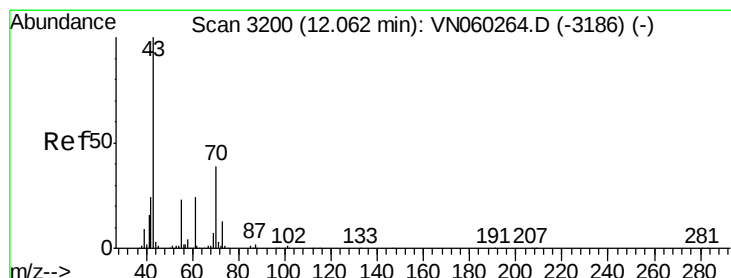
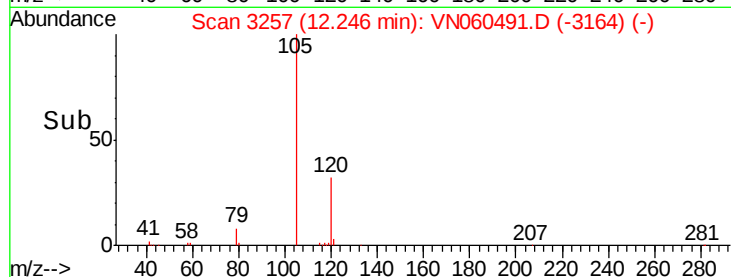
40000

20000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 18.181 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Tgt Ion: 43 Resp: 82828

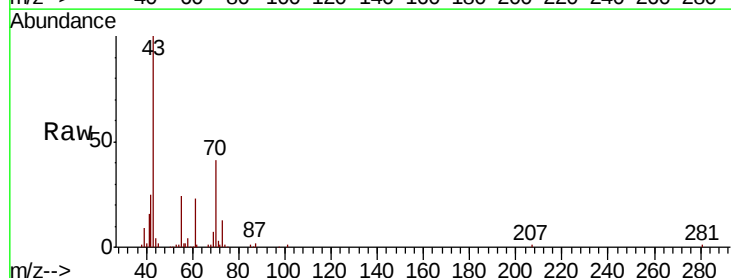
Ion Ratio Lower Upper

43 100

70 39.6 32.2 48.2

55 24.2 18.2 27.4

61 23.6 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

80000

60000

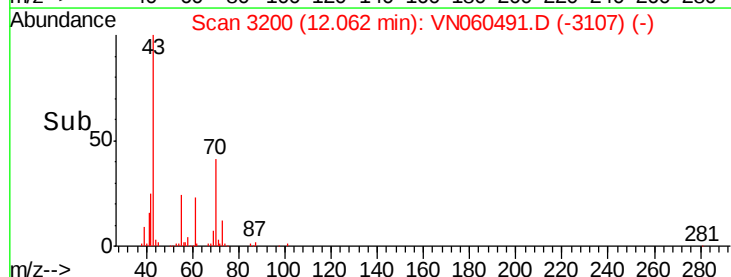
40000

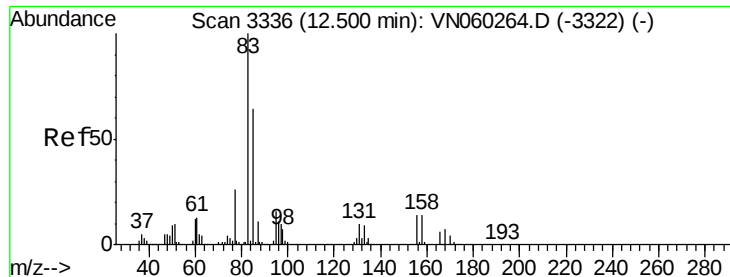
20000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 20.423 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

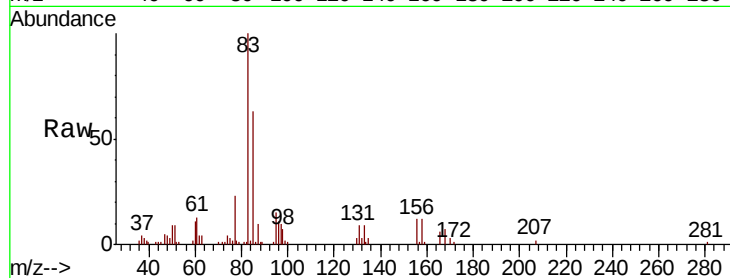
Tot Ion: 83 Resp: 57877

Ion Ratio Lower Upper

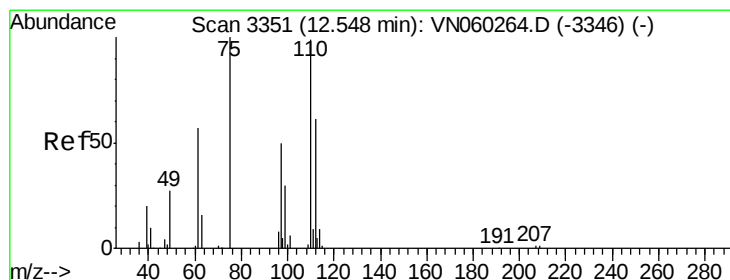
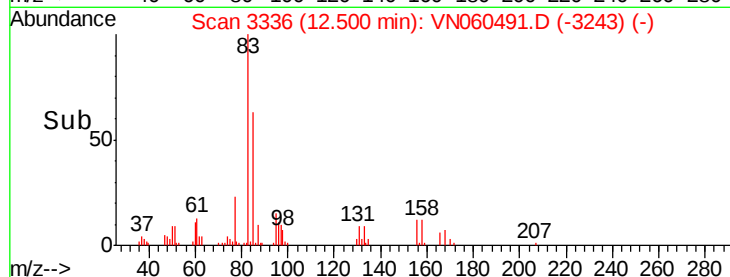
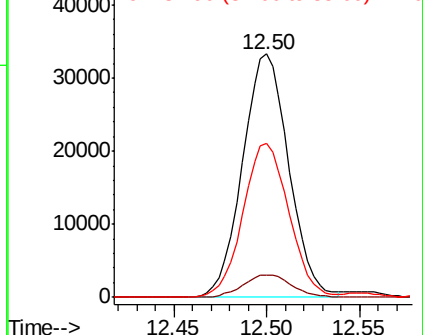
83 100

131 9.6 5.1 15.3

85 62.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 24.806 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060491.D

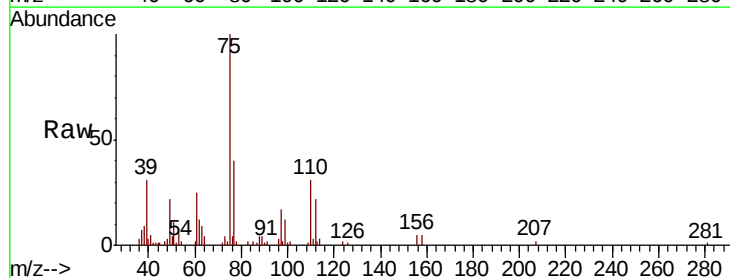
Acq: 13 Mar 2020 10:43

Tgt Ion: 75 Resp: 76553

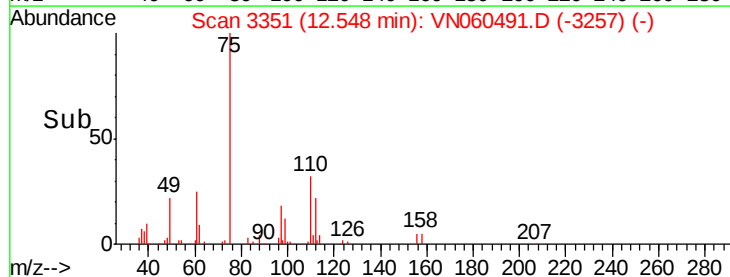
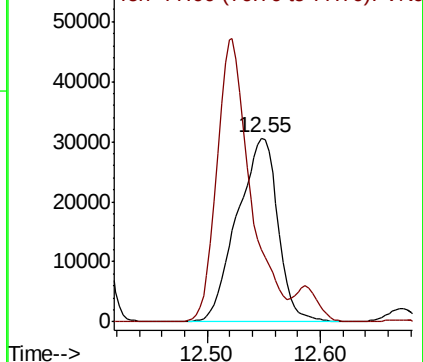
Ion Ratio Lower Upper

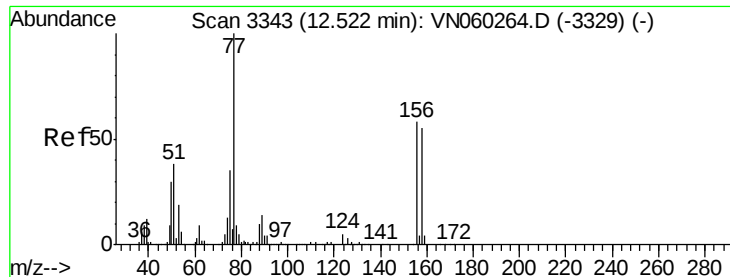
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 17.467 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

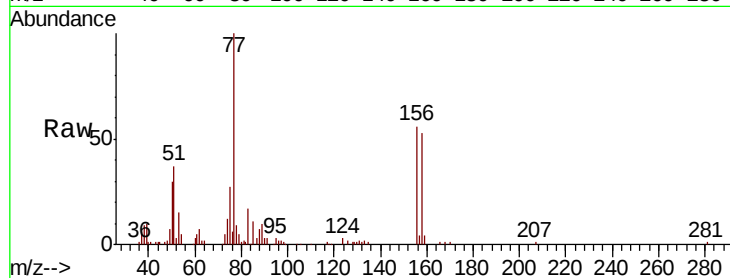
Tot Ion:156 Resp: 44638

Ion Ratio Lower Upper

156 100

77 216.9 106.1 318.3

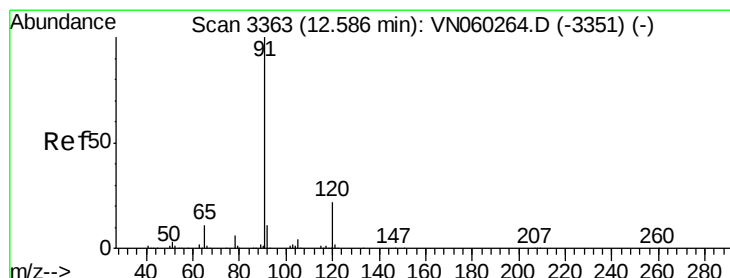
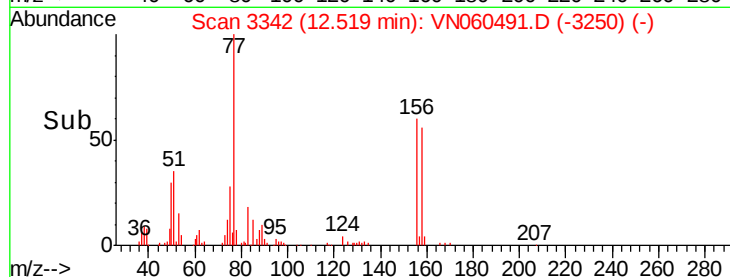
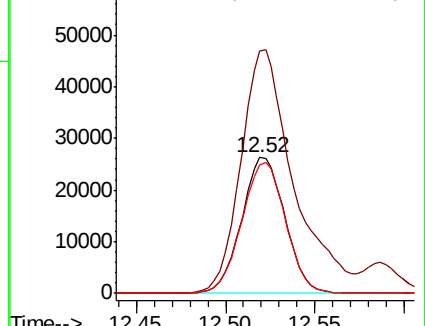
158 97.2 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.763 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060491.D

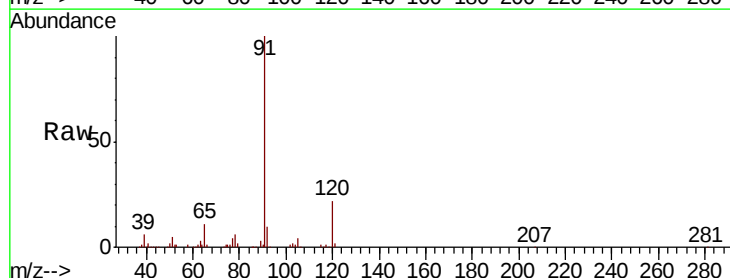
Acq: 13 Mar 2020 10:43

Tgt Ion: 91 Resp: 217075

Ion Ratio Lower Upper

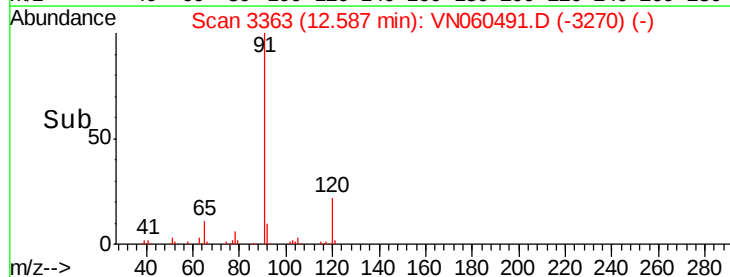
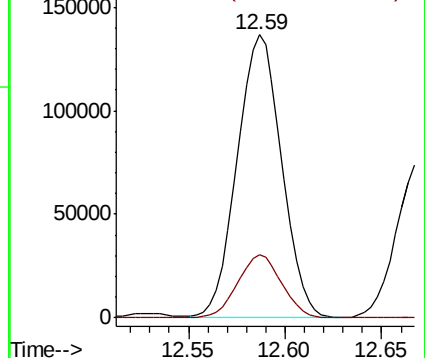
91 100

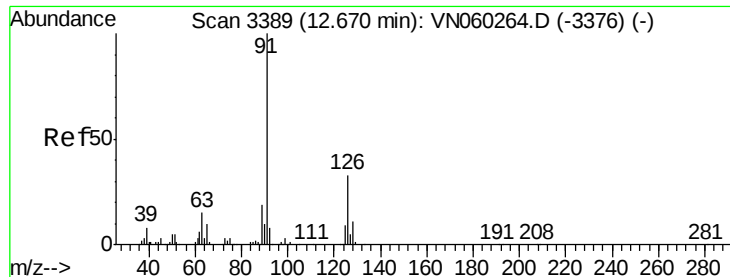
120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

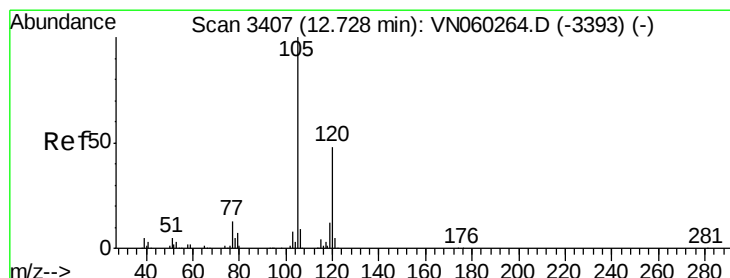
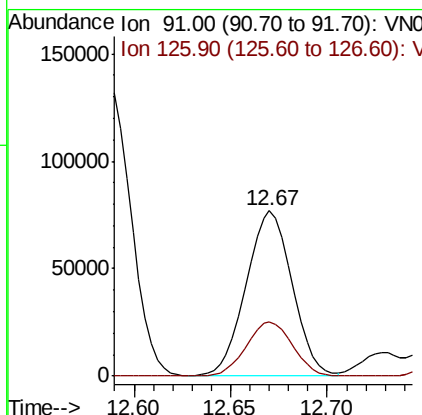
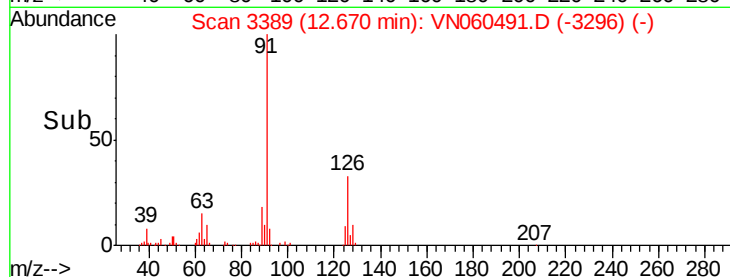
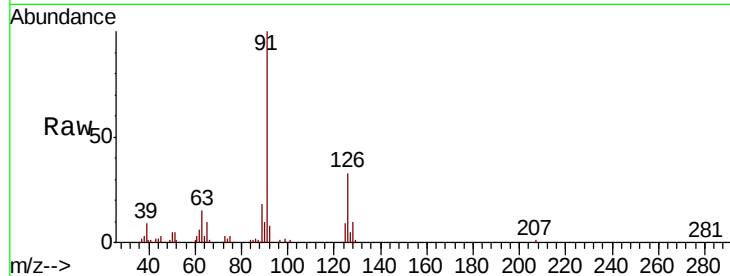




#79
 2-Chlorotoluene
 Concen: 17.725 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

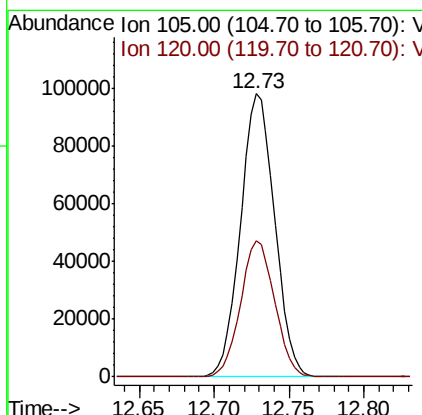
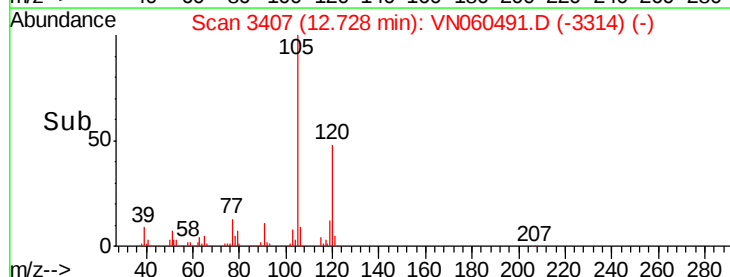
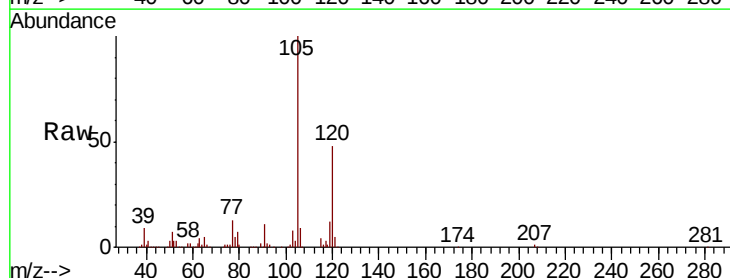
Instrument :
 MSVOA_N
 ClientSampled :
 VN0313WBS01

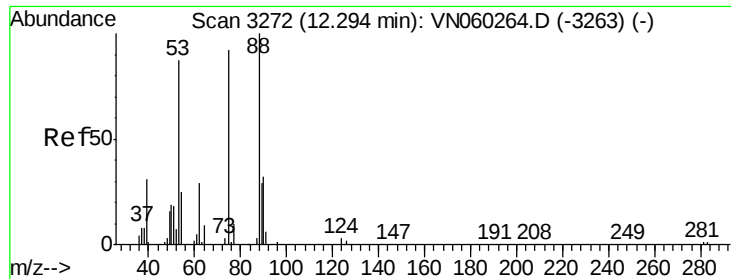
Tot Ion: 91 Resp: 127327
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 17.741 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion: 105 Resp: 155726
 Ion Ratio Lower Upper
 105 100
 120 48.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 18.696 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

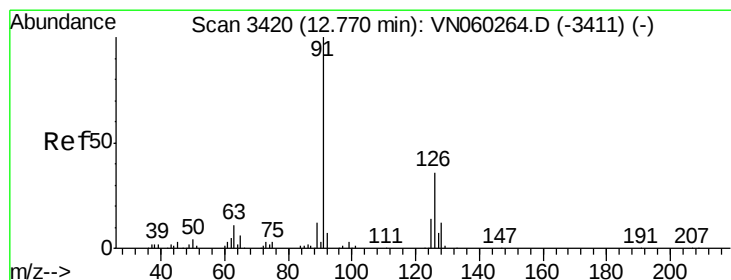
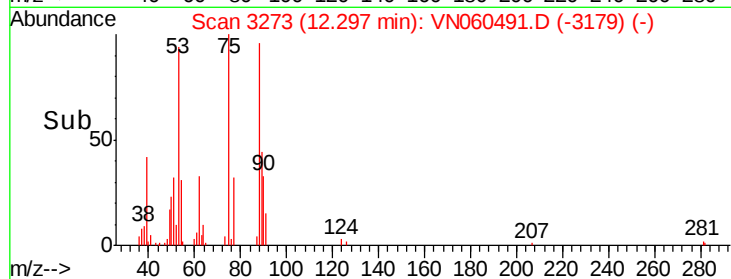
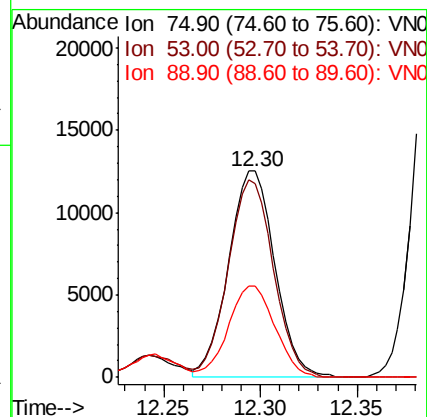
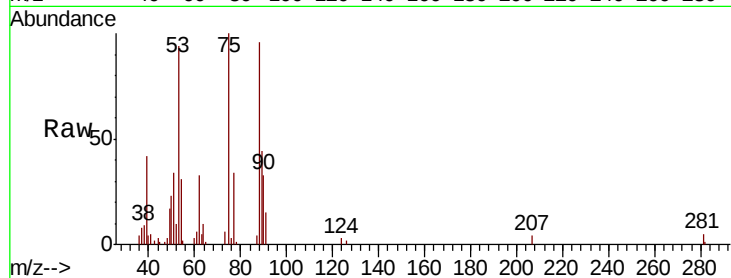
Tot Ion: 75 Resp: 20901

Ion Ratio Lower Upper

75 100

53 93.6 73.8 110.6

89 44.6 57.1 85.7#



#82

4-Chlorotoluene

Concen: 17.268 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN060491.D

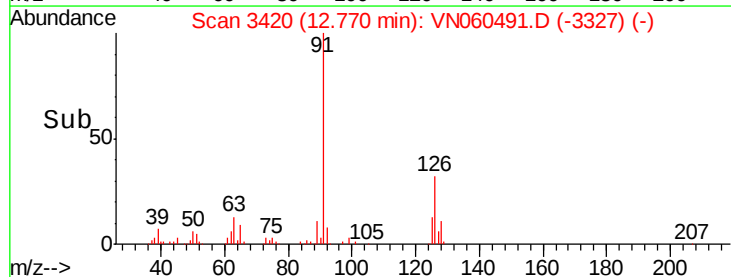
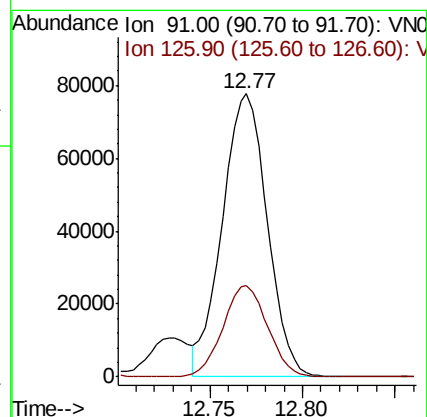
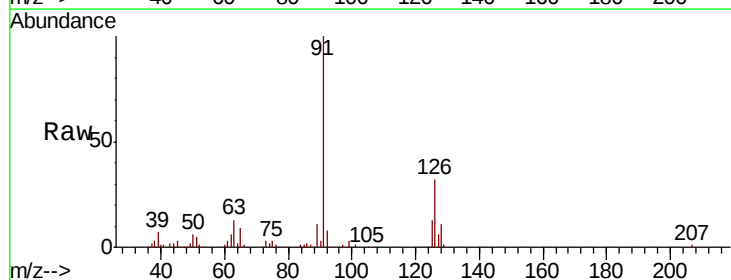
Acq: 13 Mar 2020 10:43

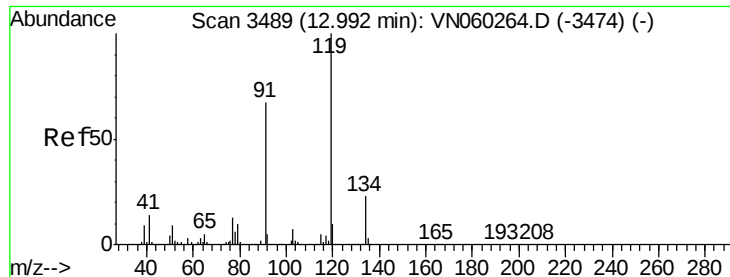
Tgt Ion: 91 Resp: 130692

Ion Ratio Lower Upper

91 100

126 32.0 16.7 50.1





#83

tert-Butylbenzene

Concen: 17.483 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampled :

VN0313WBS01

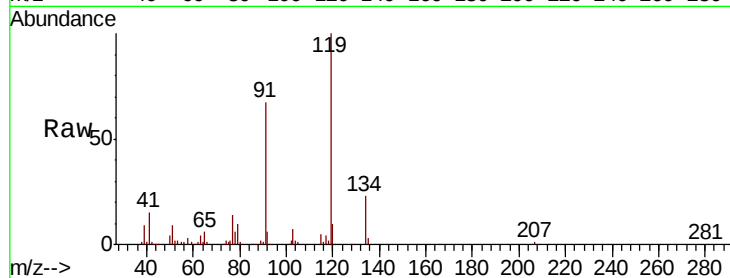
Tot Ion:119 Resp: 132865

Ion Ratio Lower Upper

119 100

91 67.4 33.1 99.2

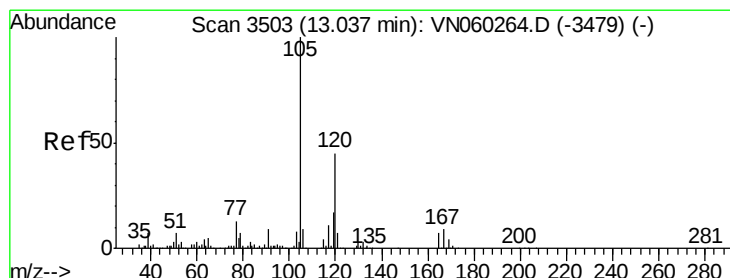
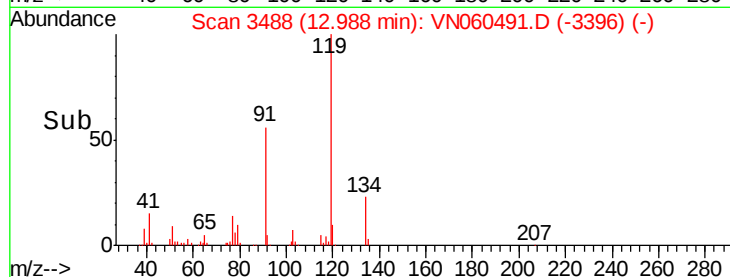
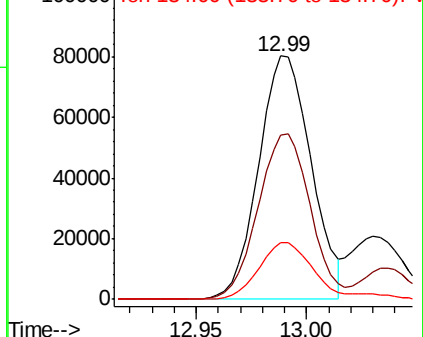
134 23.6 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.625 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060491.D

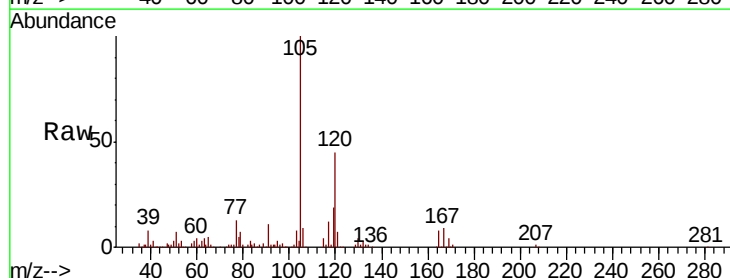
Acq: 13 Mar 2020 10:43

Tgt Ion:105 Resp: 156159

Ion Ratio Lower Upper

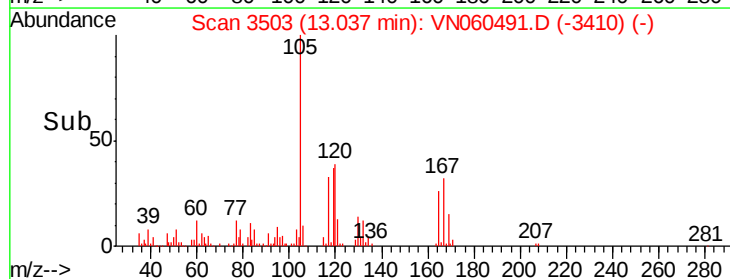
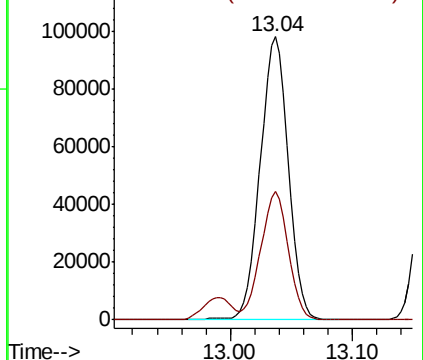
105 100

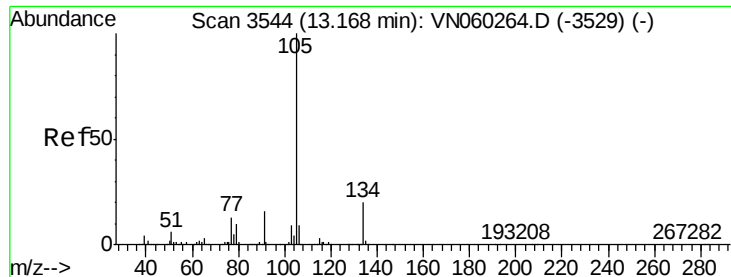
120 44.7 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

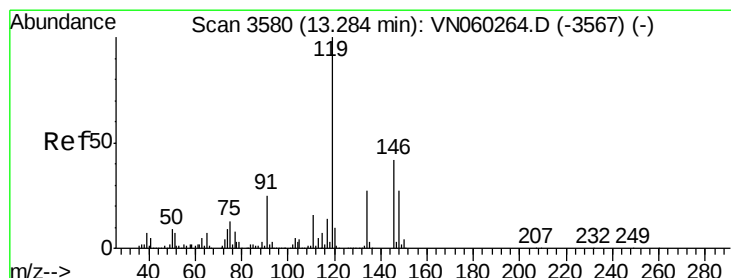
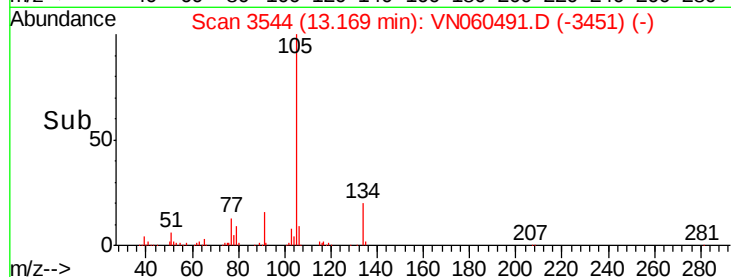
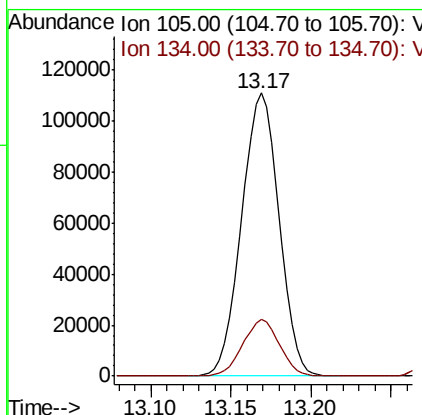
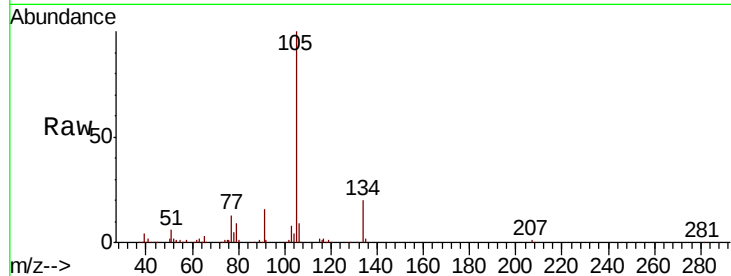




#85
 sec-Butylbenzene
 Concen: 17.393 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

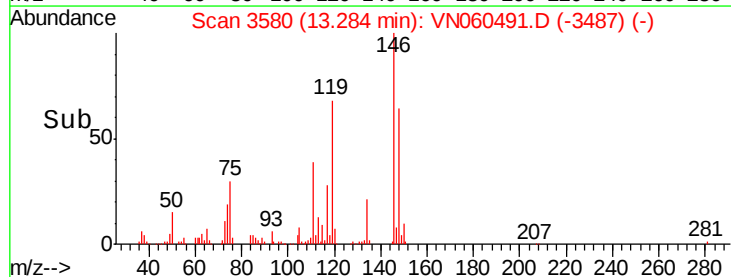
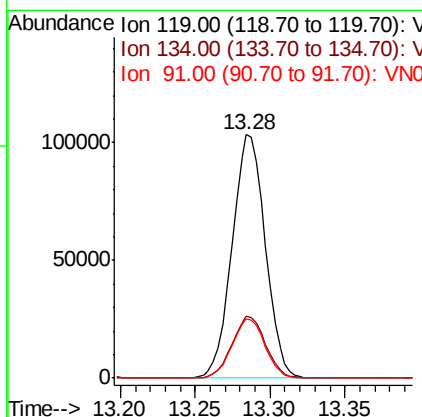
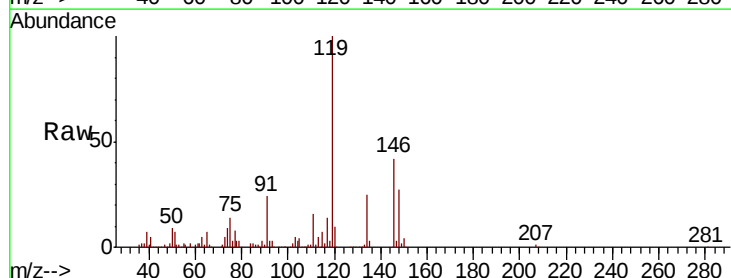
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

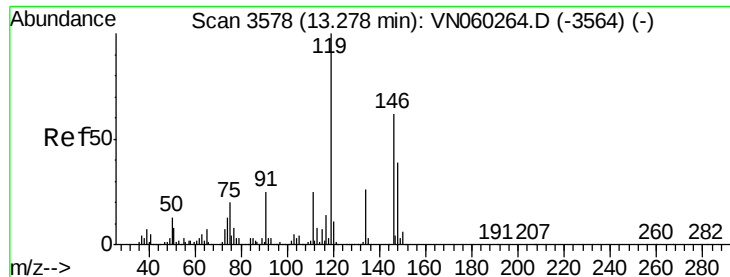
Tot Ion:105 Resp: 177012
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 16.937 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion:119 Resp: 159537
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.2 39.6
 91 24.3 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 17.793 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

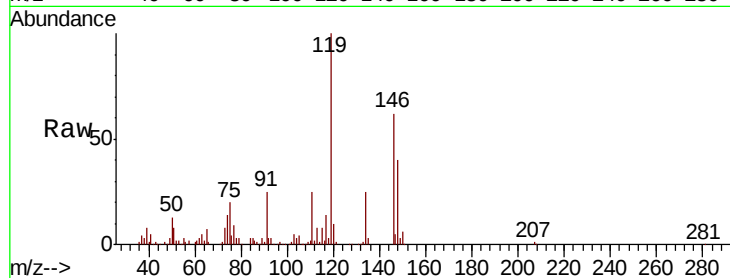
Tot Ion:146 Resp: 78669

Ion Ratio Lower Upper

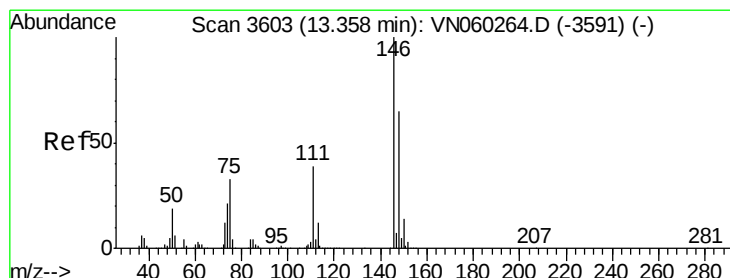
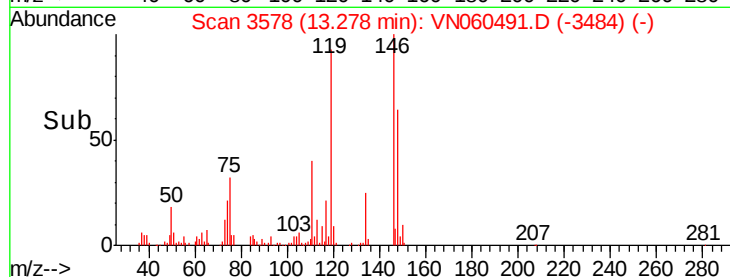
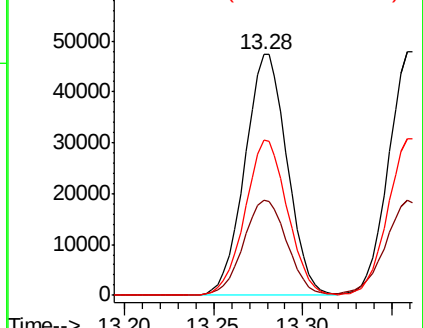
146 100

111 40.5 20.0 59.9

148 64.5 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 17.636 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

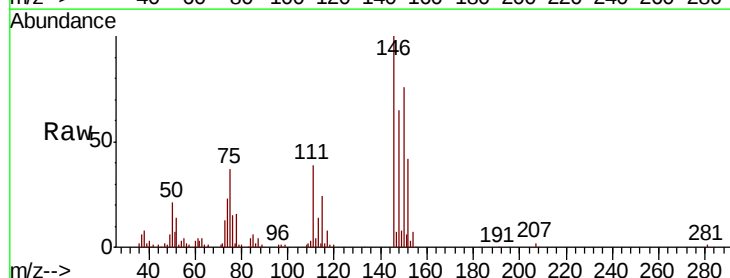
Tgt Ion:146 Resp: 77979

Ion Ratio Lower Upper

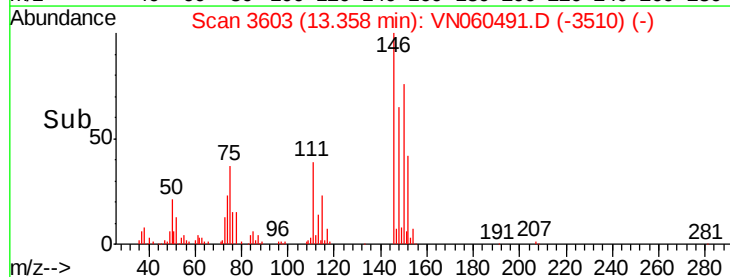
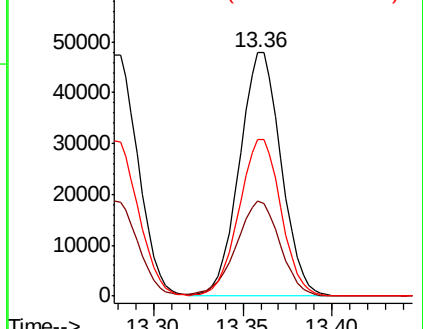
146 100

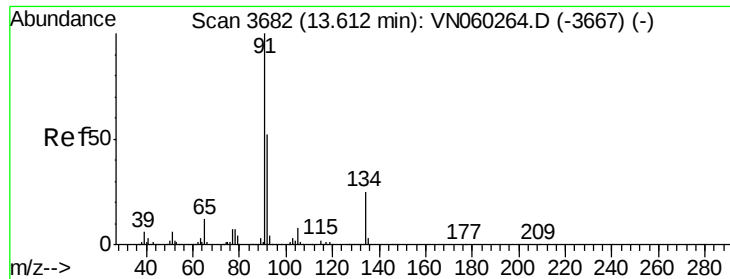
111 40.9 19.8 59.4

148 65.0 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

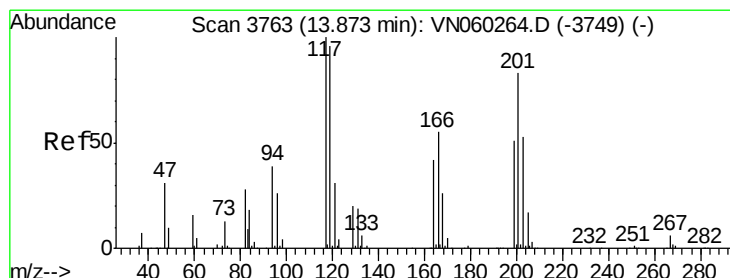
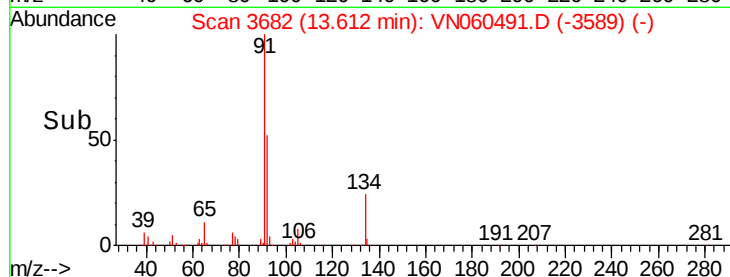
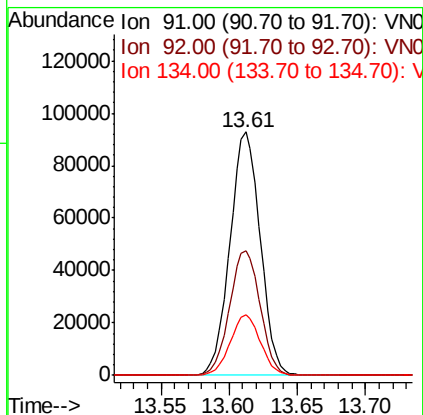
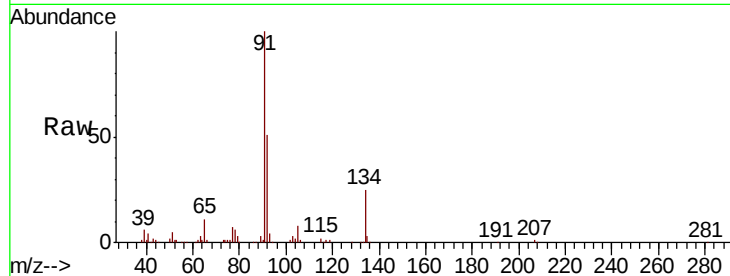




#89
n-Butylbenzene
Concen: 16.585 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

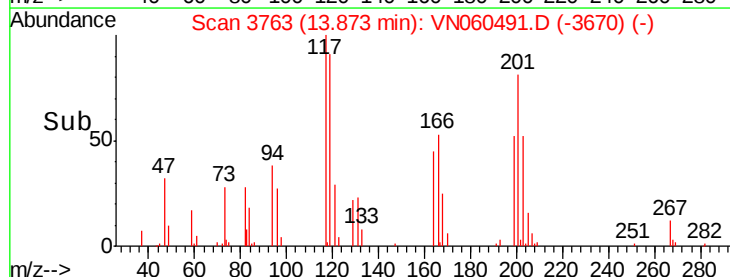
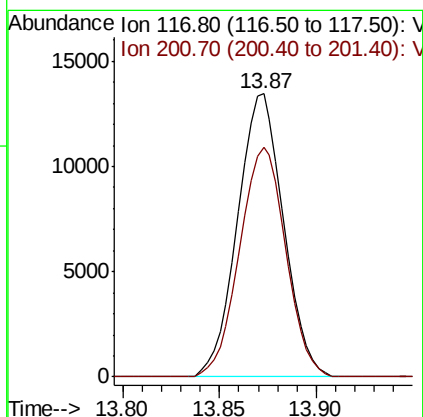
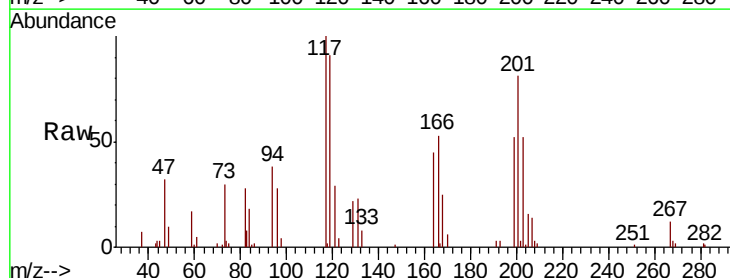
Instrument :
MSVOA_N
ClientSampleId :
VN0313WBS01

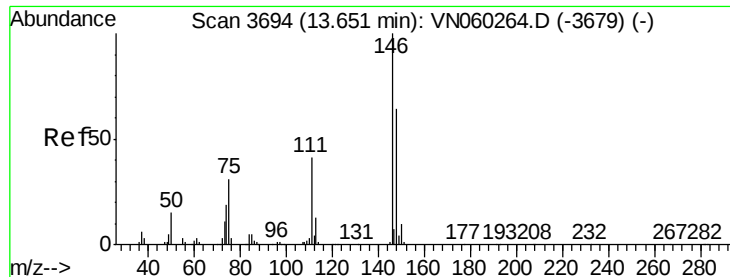
Tot Ion: 91 Resp: 143404
Ion Ratio Lower Upper
91 100
92 51.6 26.0 78.0
134 24.4 12.7 38.1



#90
Hexachloroethane
Concen: 16.342 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060491.D
Acq: 13 Mar 2020 10:43

Tgt Ion: 117 Resp: 22281
Ion Ratio Lower Upper
117 100
201 81.4 41.0 123.0

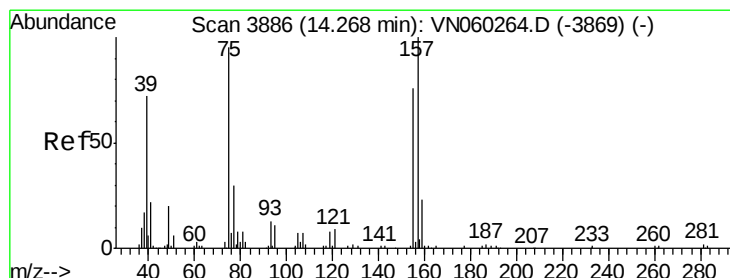
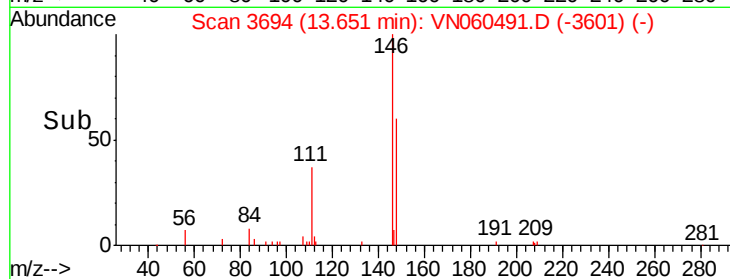
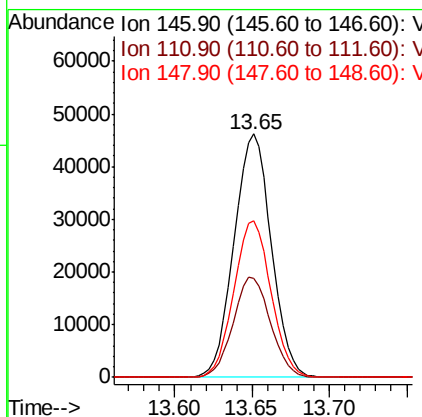
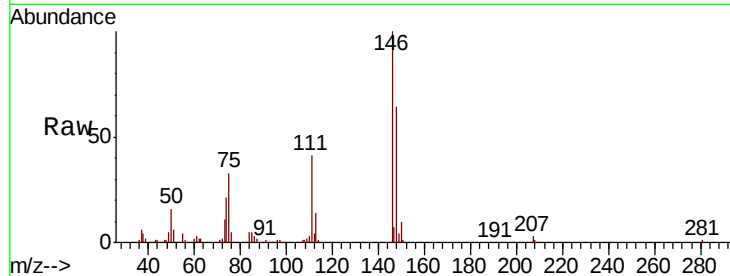




#91
 1,2-Dichlorobenzene
 Concen: 17.255 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

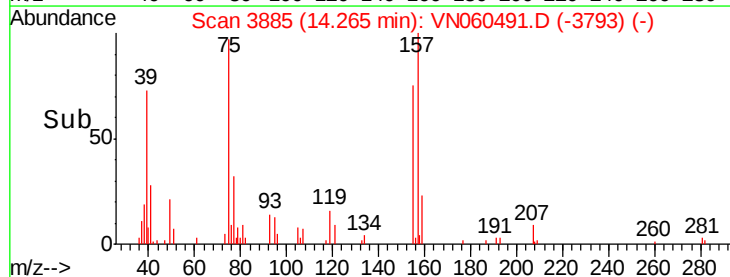
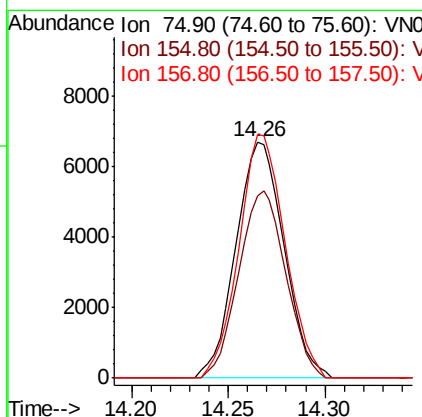
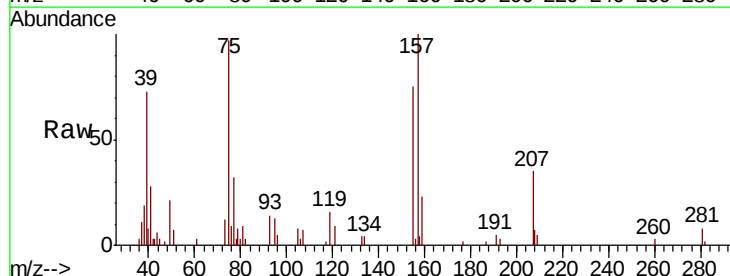
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

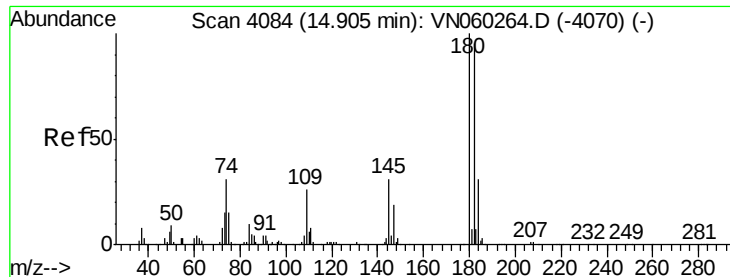
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.3	61.0
148	63.9	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.085 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.4	40.4	121.2
157	99.2	52.5	157.5

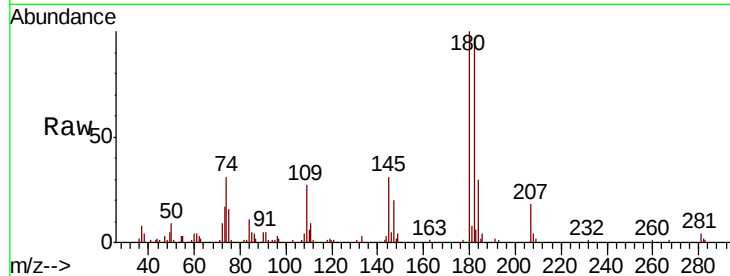




#93
 1,2,4-Trichlorobenzene
 Concen: 16.247 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.8	143.3
145	30.8	15.4	46.1

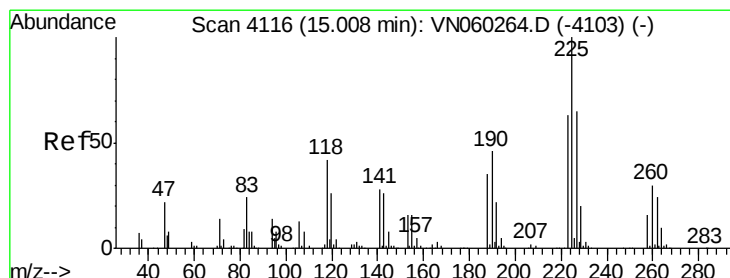
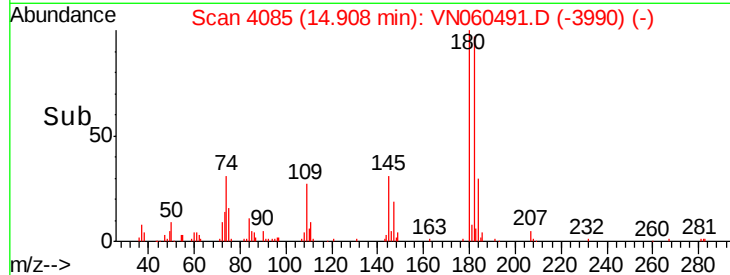
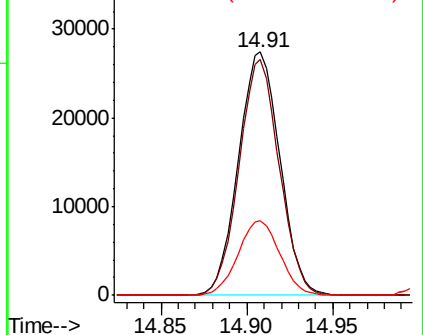


Abundance

Ion 179.80 (179.50 to 180.50): V

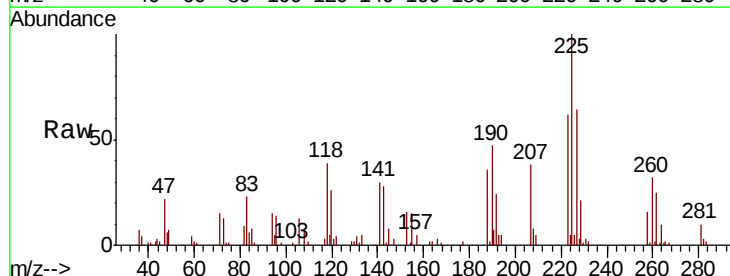
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 17.481 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060491.D
 Acq: 13 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.3	93.9
227	65.0	32.3	96.9

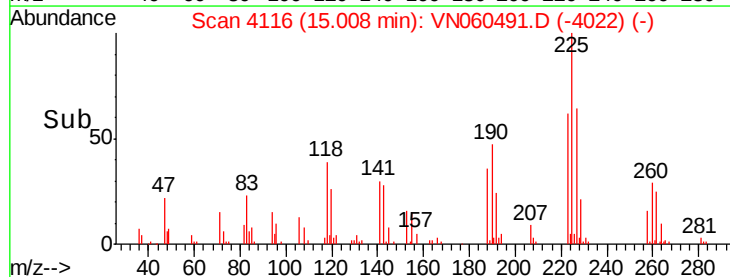
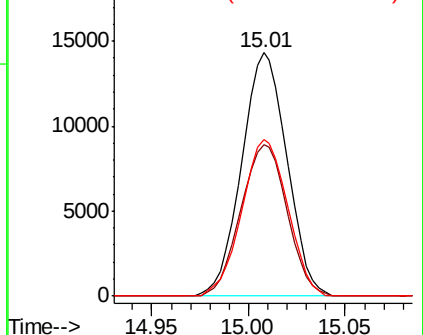


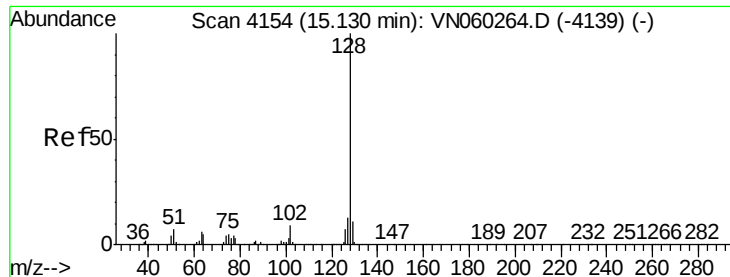
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.850 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VN0313WBS01

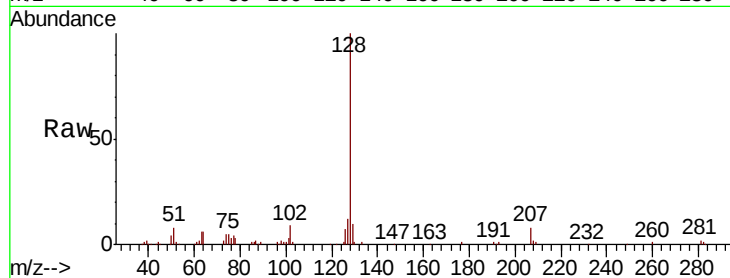
Tot Ion:128 Resp: 134396

Ion Ratio Lower Upper

128 100

127 12.6 10.4 15.6

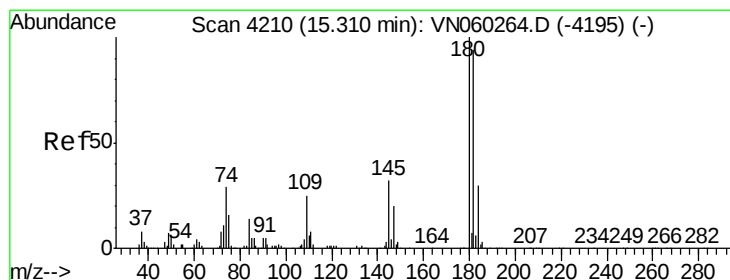
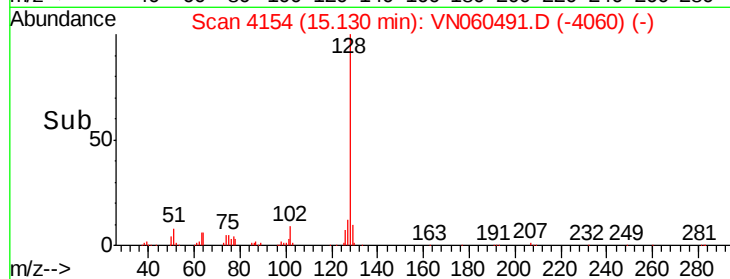
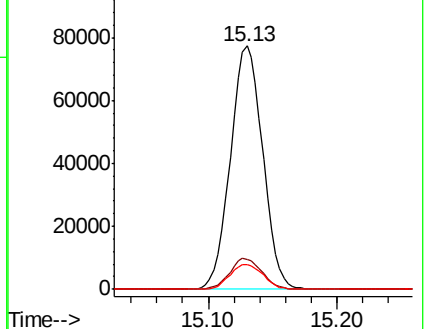
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.501 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060491.D

Acq: 13 Mar 2020 10:43

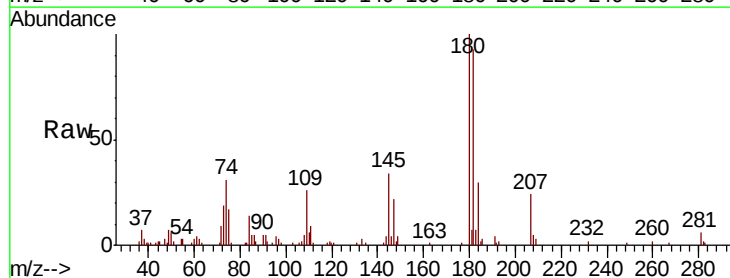
Tgt Ion:180 Resp: 44544

Ion Ratio Lower Upper

180 100

182 93.7 47.3 142.0

145 33.5 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

