

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060495.D
 Acq On : 13 Mar 2020 12:25
 Operator : JC/MD
 Sample : VN0313WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 16 04:27:12 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	189634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	291298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138321	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	123538	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	7.57	113	91084	61.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.68%	
50) Toluene-d8	10.08	98	356862	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
62) 4-Bromofluorobenzene	12.40	95	133330	47.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	26879	15.460	ug/l	99
3) Chloromethane	2.04	50	51994	17.176	ug/l	99
4) Vinyl Chloride	2.16	62	42592	16.407	ug/l	100
5) Bromomethane	2.55	94	18783	16.358	ug/l	98
6) Chloroethane	2.68	64	25057	17.814	ug/l	96
7) Trichlorofluoromethane	3.00	101	57951	17.472	ug/l	99
8) Diethyl Ether	3.38	74	23603	18.847	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34818	18.549	ug/l	99
10) Methyl Iodide	3.93	142	24483	14.291	ug/l	99
11) Tert butyl alcohol	4.73	59	34868	96.514	ug/l	100
12) 1,1-Dichloroethene	3.71	96	33781	18.493	ug/l	97
13) Acrolein	3.58	56	33562	99.580	ug/l	97
14) Allyl chloride	4.29	41	62276	18.539	ug/l	98
15) Acrylonitrile	4.94	53	102993	108.158	ug/l	99
16) Acetone	3.78	43	86091	109.572	ug/l	99
17) Carbon Disulfide	4.03	76	80076	16.085	ug/l	99
18) Methyl Acetate	4.29	43	55119	21.022	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	130846	19.781	ug/l	98
20) Methylene Chloride	4.52	84	40355	18.702	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	36063	18.152	ug/l	96
22) Diisopropyl ether	5.91	45	142318	20.916	ug/l	95
23) Vinyl Acetate	5.86	43	556703	102.963	ug/l	99
24) 1,1-Dichloroethane	5.82	63	77037	20.001	ug/l	100
25) 2-Butanone	6.80	43	139485	109.909	ug/l	98
26) 2,2-Dichloropropane	6.80	77	67045	19.121	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	44653	17.846	ug/l	96
28) Bromochloromethane	7.17	49	32466	20.530	ug/l	95
29) Tetrahydrofuran	7.18	42	94803	107.426	ug/l	97
30) Chloroform	7.35	83	74919	19.540	ug/l	97
31) Cyclohexane	7.63	56	66246	19.333	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	64274	18.920	ug/l	98
36) 1,1-Dichloropropene	7.77	75	53108	17.562	ug/l	100
37) Ethyl Acetate	6.90	43	60415	21.099	ug/l	99
38) Carbon Tetrachloride	7.75	117	51154	17.374	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	60119	16.861	ug/l	96
40) Benzene	8.02	78	164149	18.650	ug/l	99
41) Methacrylonitrile	7.18	41	85707	64.824	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	60422	19.023	ug/l	100
43) Isopropyl Acetate	8.14	43	103131	20.573	ug/l	99
44) Trichloroethene	8.82	130	43519	17.753	ug/l	100
45) 1,2-Dichloropropane	9.10	63	46553	20.229	ug/l	98
46) Dibromomethane	9.19	93	27887	18.676	ug/l	99
47) Bromodichloromethane	9.39	83	59069	19.450	ug/l	100
48) Methyl methacrylate	9.18	41	43184	18.891	ug/l	99
49) 1,4-Dioxane	9.18	88	10826	336.768	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	299186	105.264	ug/l	99
52) Toluene	10.14	92	100799	18.231	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	67049	18.018	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	73034	18.940	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	41923	18.855	ug/l	98
56) Ethyl methacrylate	10.42	69	61620	19.291	ug/l	96
57) 1,3-Dichloropropane	10.70	76	71210	19.639	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	152422	91.236	ug/l	98
59) 2-Hexanone	10.74	43	213691	102.399	ug/l	99
60) Dibromochloromethane	10.89	129	43919	19.423	ug/l	97
61) 1,2-Dibromoethane	11.00	107	41385	19.094	ug/l	98
64) Tetrachloroethene	10.62	164	42390	17.565	ug/l	98
65) Chlorobenzene	11.43	112	105678	17.966	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	41065	18.882	ug/l	99
67) Ethyl Benzene	11.51	91	196737	18.367	ug/l	100
68) m/p-Xylenes	11.62	106	143011	35.386	ug/l	97
69) o-Xylene	11.94	106	69903	18.138	ug/l	99
70) Styrene	11.96	104	114176	18.020	ug/l	100
71) Bromoform	12.12	173	30201	19.268	ug/l #	99
73) Isopropylbenzene	12.25	105	190104	18.543	ug/l	100
74) N-amyl acetate	12.07	43	87044	19.430	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	59463	21.337	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	79694	26.260	ug/l #	100
77) Bromobenzene	12.52	156	46312	18.428	ug/l	97
78) n-propylbenzene	12.59	91	221610	18.441	ug/l	99
79) 2-Chlorotoluene	12.67	91	130099	18.417	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	159048	18.426	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20793	18.914	ug/l #	84
82) 4-Chlorotoluene	12.77	91	136879	18.391	ug/l	98
83) tert-Butylbenzene	12.99	119	134096	17.943	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	160830	18.460	ug/l	100
85) sec-Butylbenzene	13.17	105	182744	18.260	ug/l	99
86) p-Isopropyltoluene	13.29	119	163253	17.625	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	81456	18.745	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	80615	18.558	ug/l	98
89) n-Butylbenzene	13.61	91	147660	17.366	ug/l	99
90) Hexachloroethane	13.87	117	22095	16.479	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	78821	17.899	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11794	18.688	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48203	17.285	ug/l	100
94) Hexachlorobutadiene	15.01	225	24034	18.323	ug/l	98
95) Naphthalene	15.13	128	144973	17.413	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	47218	17.801	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

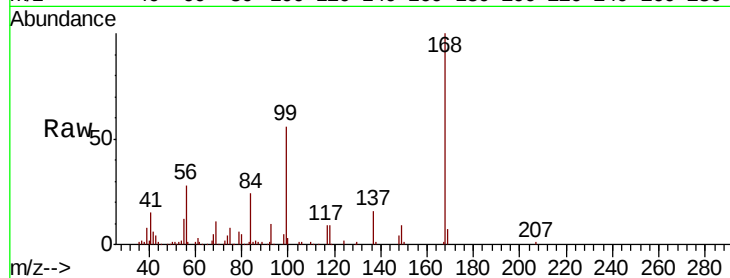
ClientSampleId :

Tot Ion:168 Resp: 189634

Ion Ratio Lower Upper

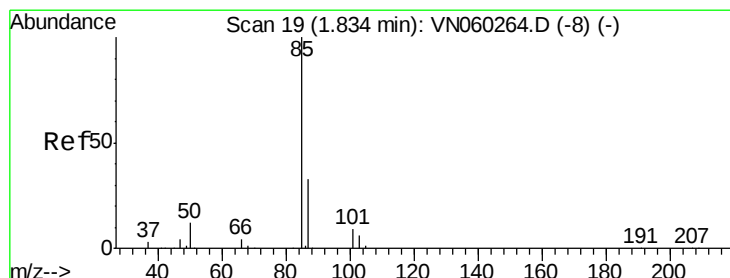
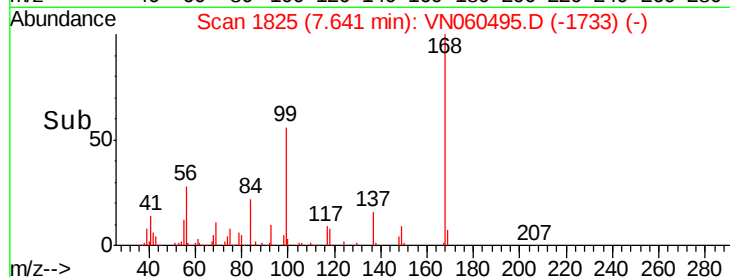
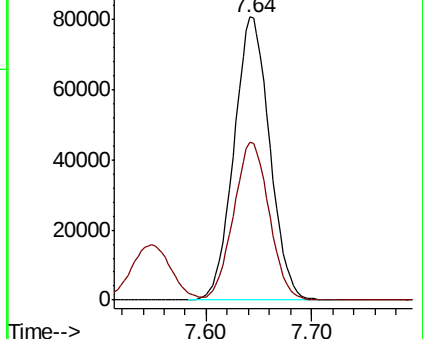
168 100

99 55.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 15.460 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060495.D

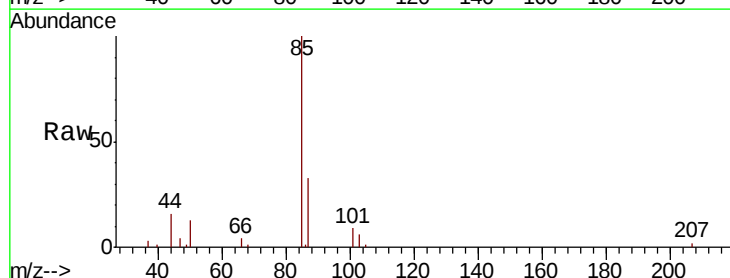
Acq: 13 Mar 2020 12:25

Tgt Ion: 85 Resp: 26879

Ion Ratio Lower Upper

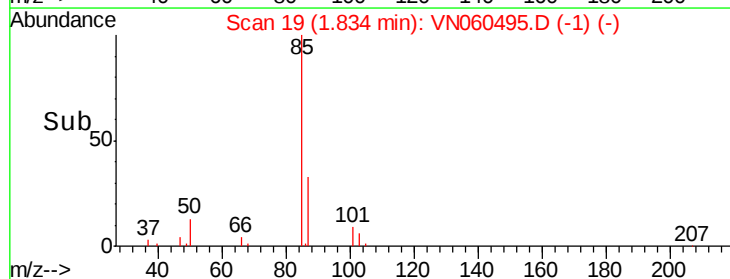
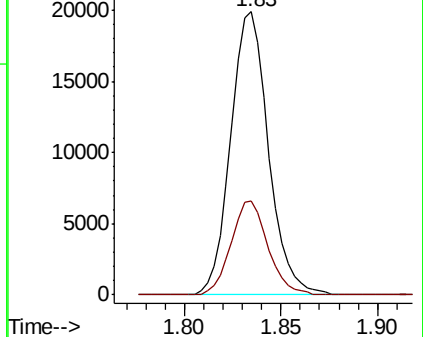
85 100

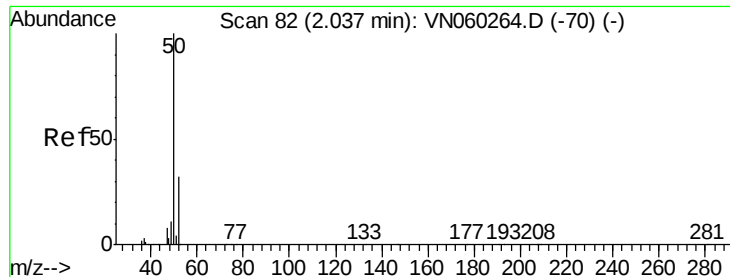
87 33.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.176 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

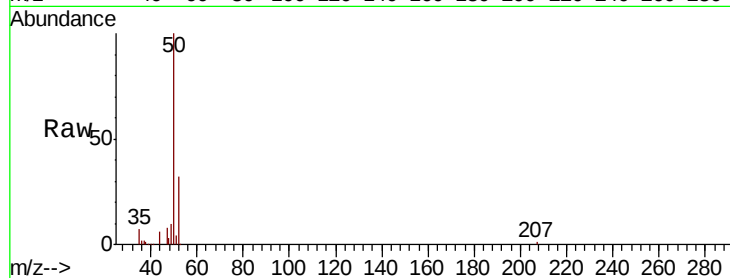
ClientSampleId :

Tot Ion: 50 Resp: 51994

Ion Ratio Lower Upper

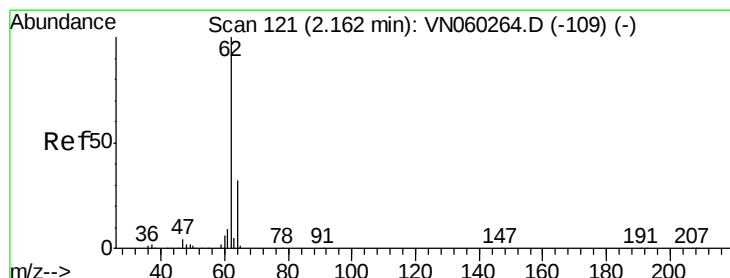
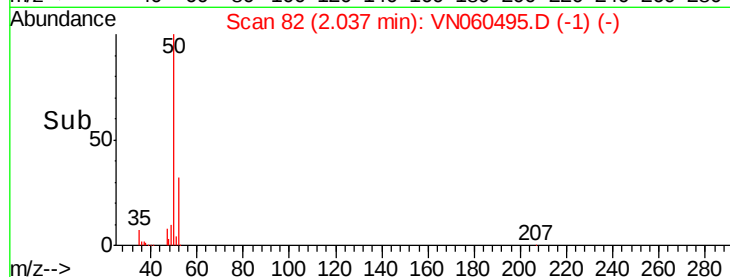
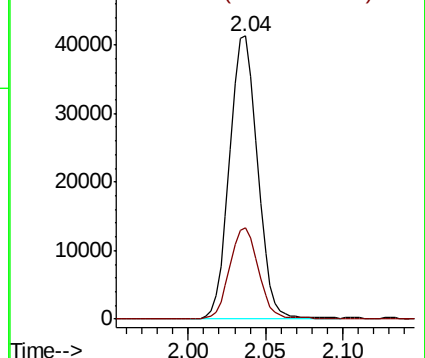
50 100

52 32.3 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: 16.407 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060495.D

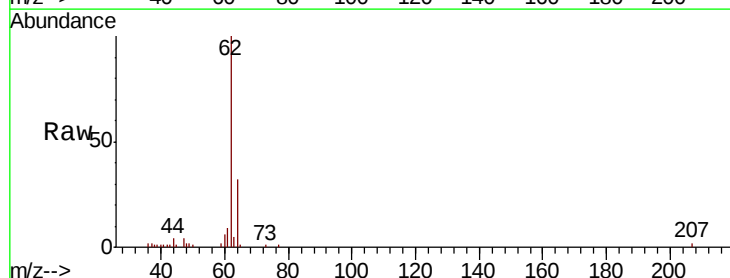
Acq: 13 Mar 2020 12:25

Tgt Ion: 62 Resp: 42592

Ion Ratio Lower Upper

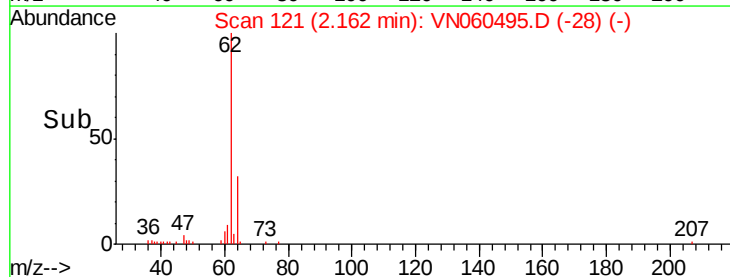
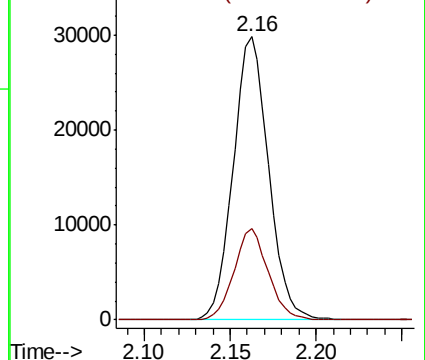
62 100

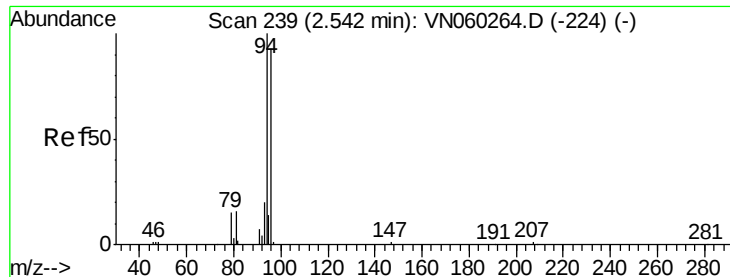
64 32.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 16.358 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

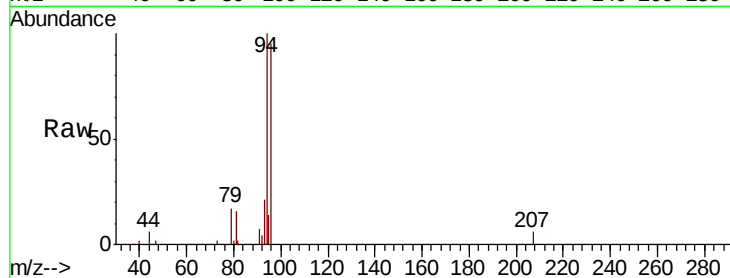
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 18783

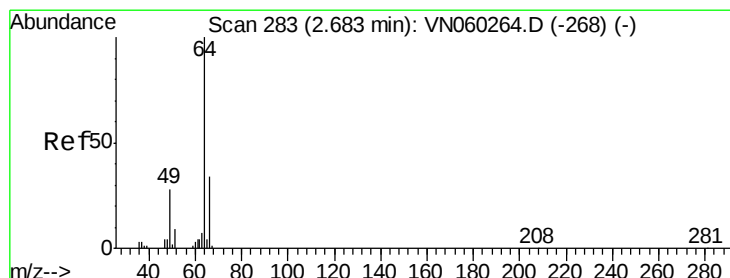
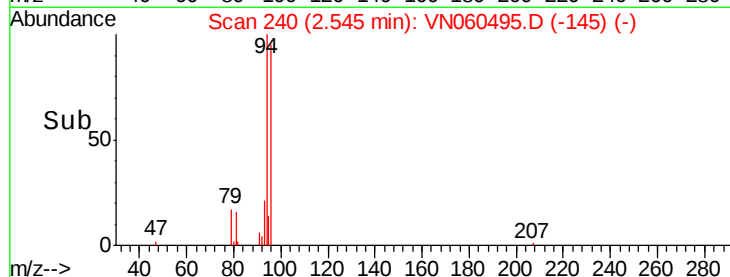
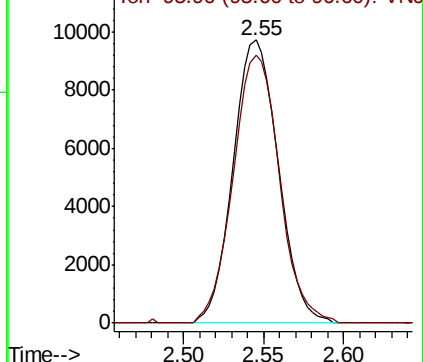
Ion Ratio Lower Upper

94 100

96 94.6 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: 17.814 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060495.D

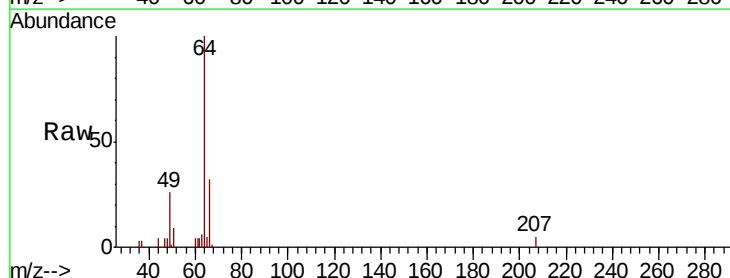
Acq: 13 Mar 2020 12:25

Tgt Ion: 64 Resp: 25057

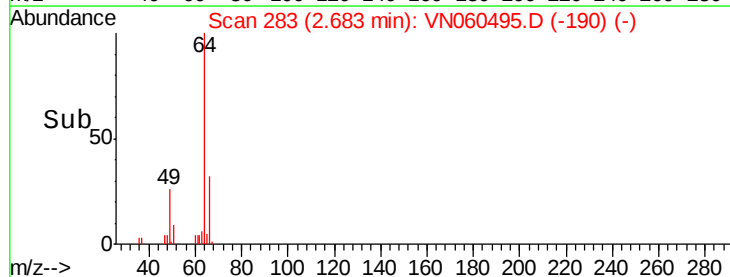
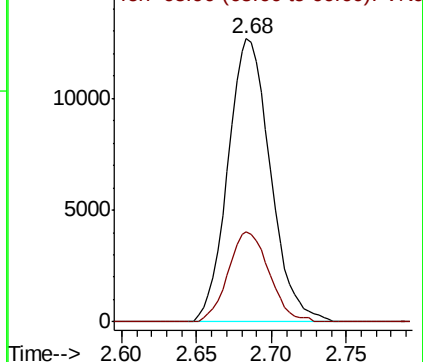
Ion Ratio Lower Upper

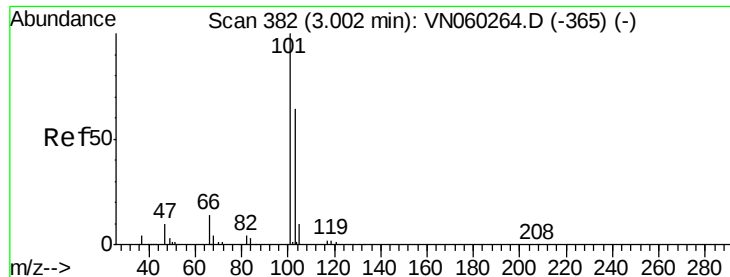
64 100

66 32.0 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



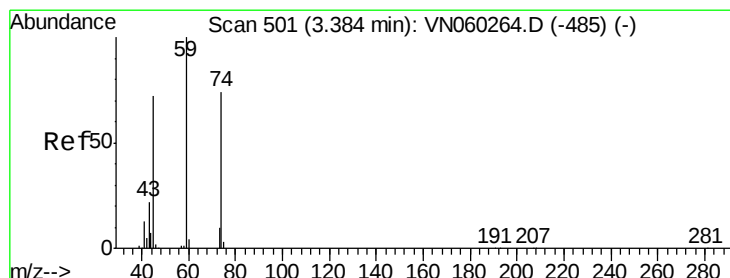
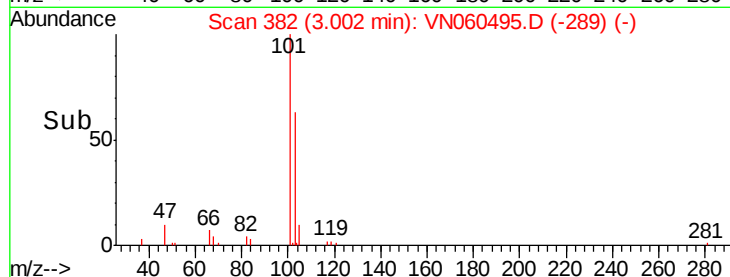
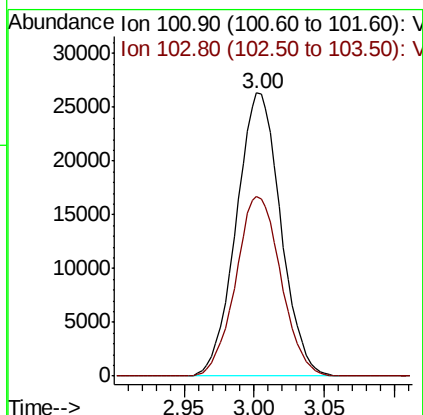
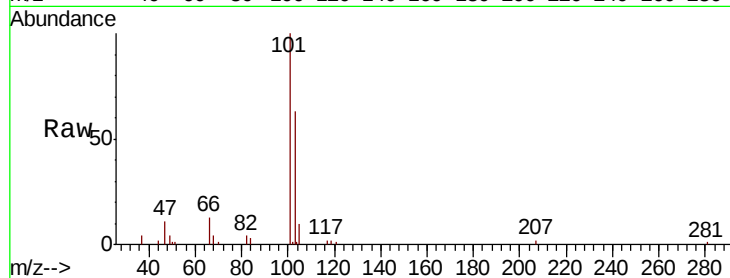


#7

Trichlorofluoromethane
Concen: 17.472 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampled :

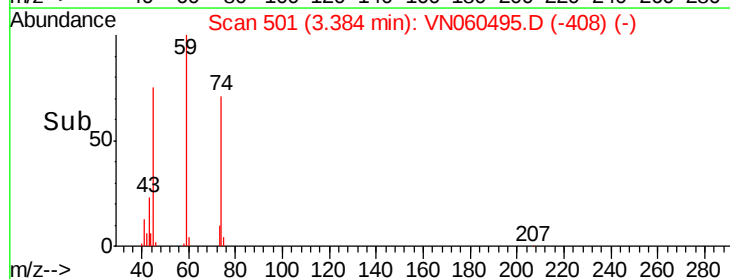
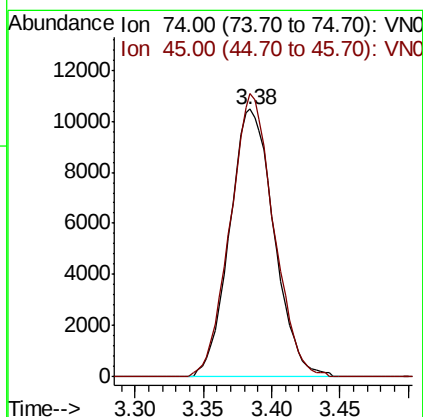
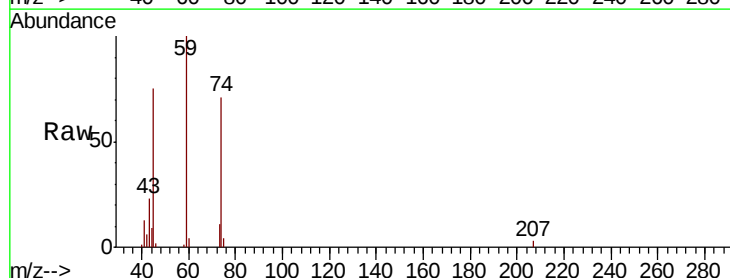
Tot Ion:101 Resp: 57951
Ion Ratio Lower Upper
101 100
103 63.5 51.3 76.9

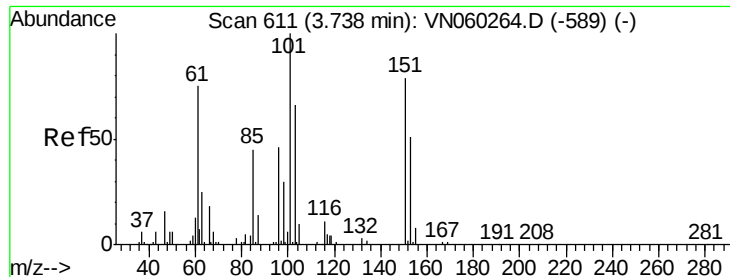


#8

Diethyl Ether
Concen: 18.847 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Tgt Ion: 74 Resp: 23603
Ion Ratio Lower Upper
74 100
45 103.5 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.549 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

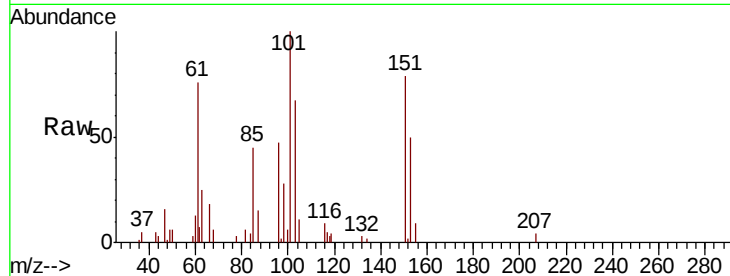
Tot Ion:101 Resp: 34818

Ion Ratio Lower Upper

101 100

85 45.4 35.4 53.2

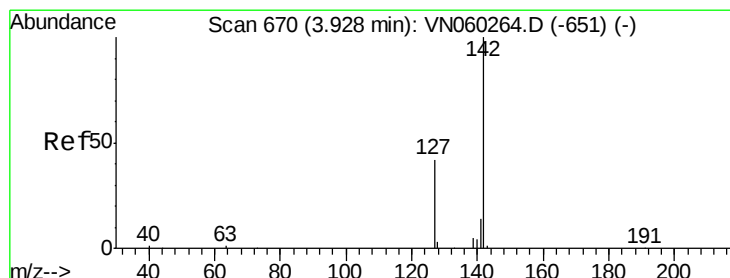
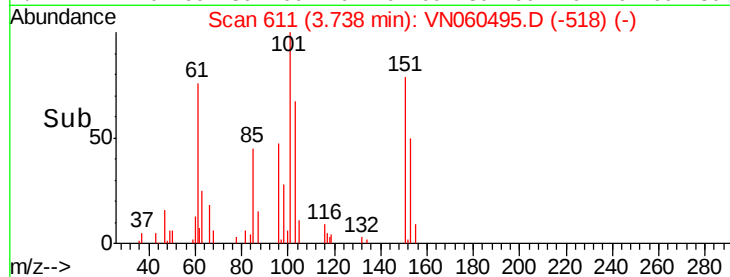
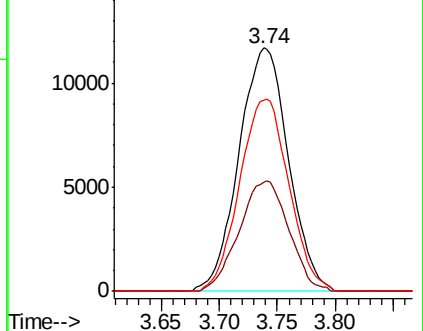
151 78.4 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 14.291 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

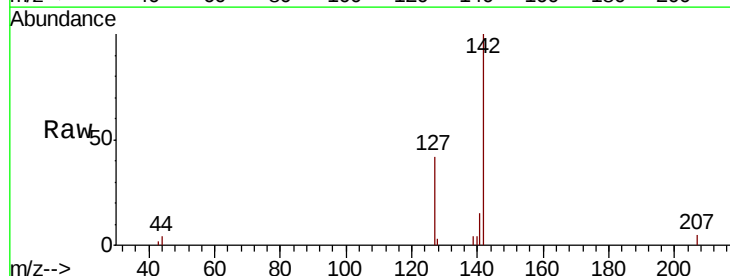
Tgt Ion:142 Resp: 24483

Ion Ratio Lower Upper

142 100

127 42.5 33.8 50.6

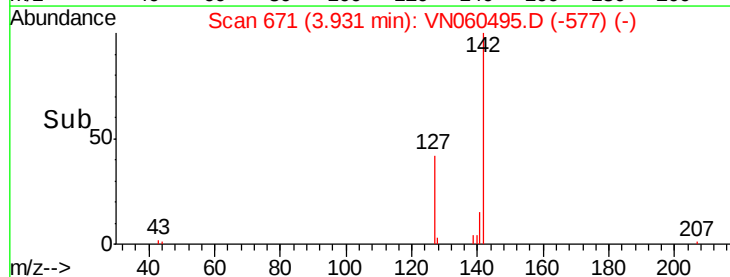
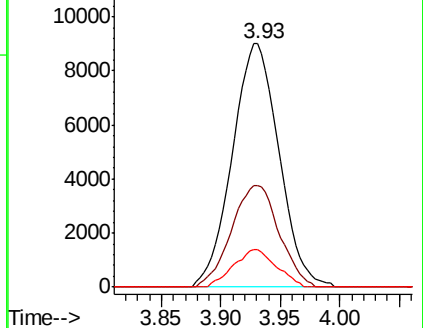
141 14.2 11.1 16.7



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



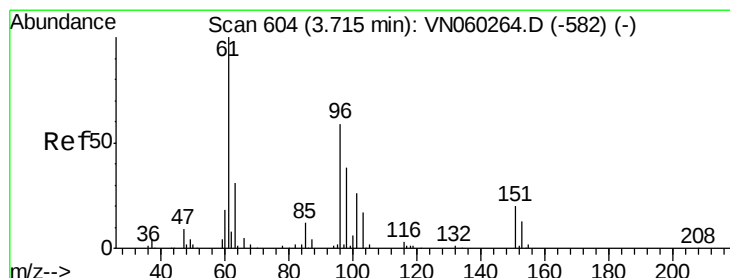
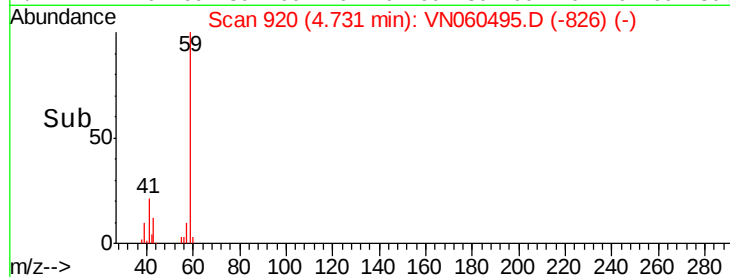
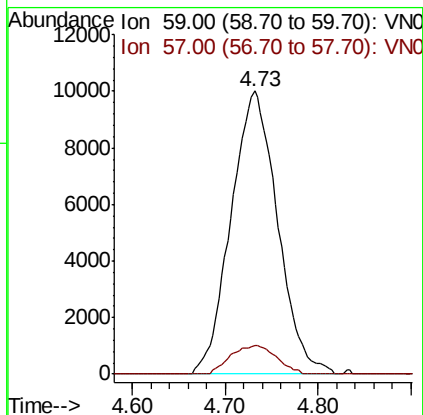
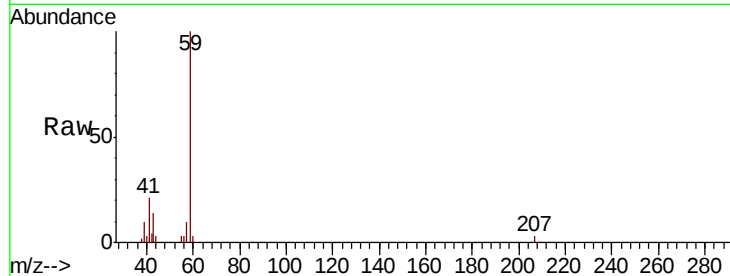


#11

Tert butyl alcohol
 Concen: 96.514 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampled :

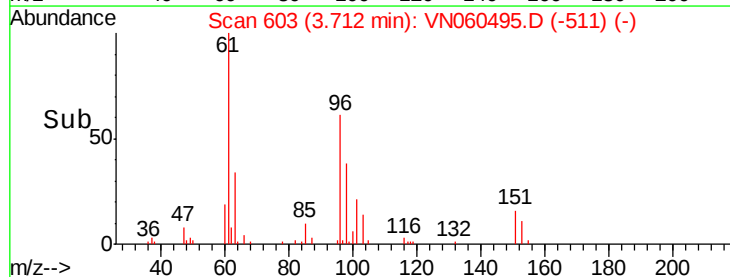
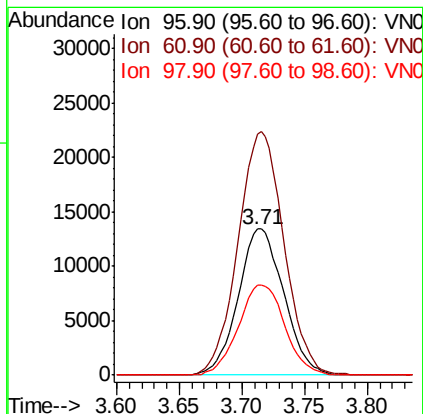
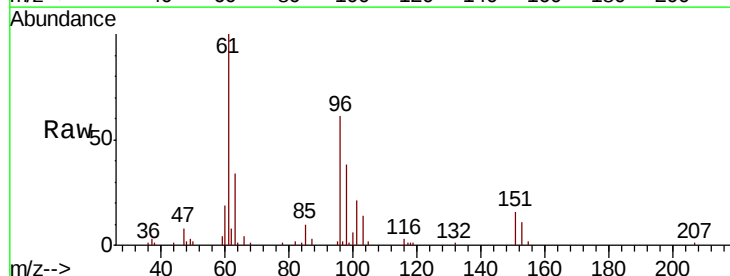
Tot Ion: 59 Resp: 34868
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.2

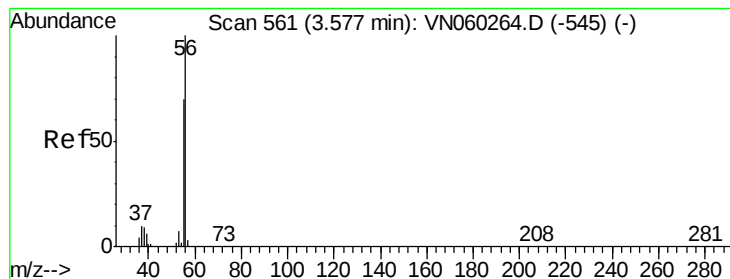


#12

1,1-Dichloroethene
 Concen: 18.493 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

Tgt Ion: 96 Resp: 33781
 Ion Ratio Lower Upper
 96 100
 61 165.2 135.4 203.0
 98 62.0 51.6 77.4





#13

Acrolein

Concen: 99.580 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

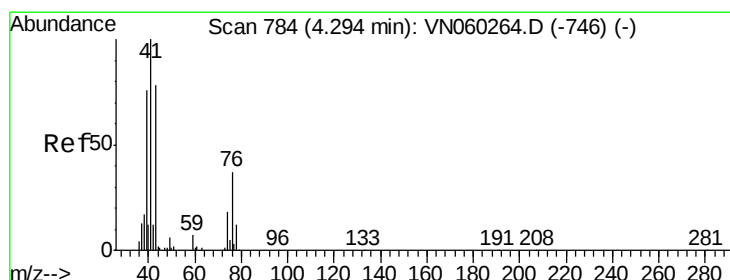
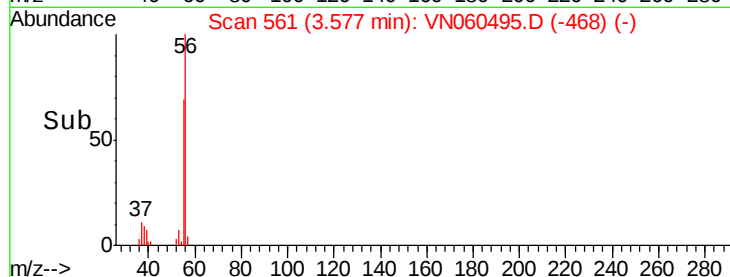
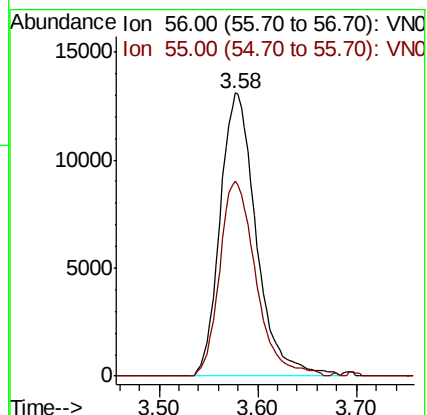
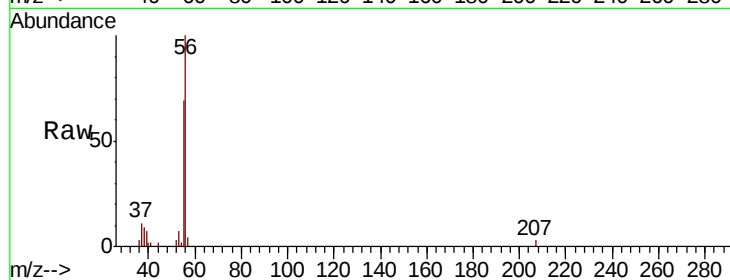
ClientSampled :

Tot Ion: 56 Resp: 33562

Ion Ratio Lower Upper

56 100

55 69.0 57.4 86.0



#14

Allyl chloride

Concen: 18.539 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

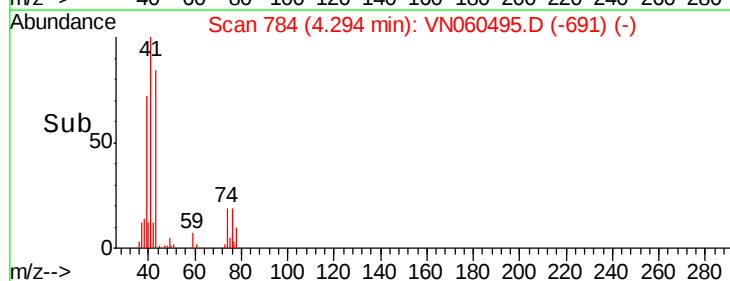
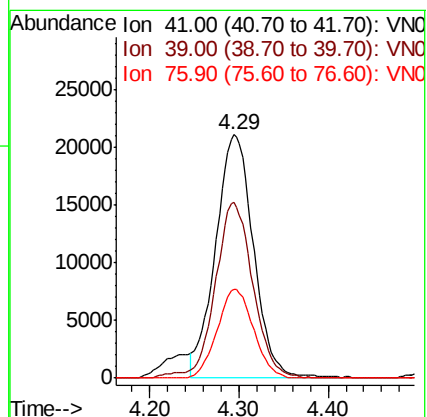
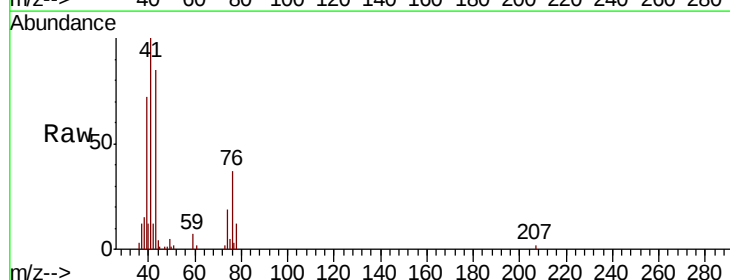
Tgt Ion: 41 Resp: 62276

Ion Ratio Lower Upper

41 100

39 70.6 55.4 83.2

76 34.8 27.0 40.6





#15

Acrylonitrile

Concen: 108.158 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

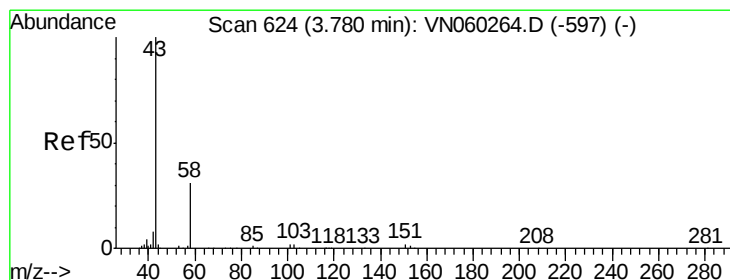
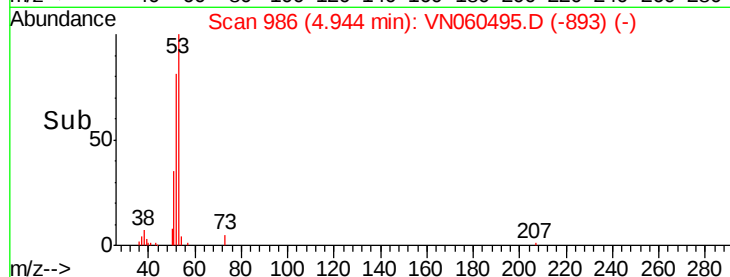
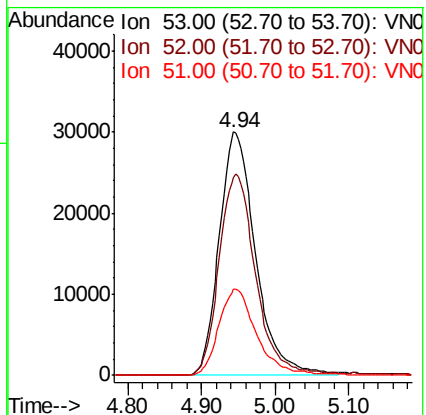
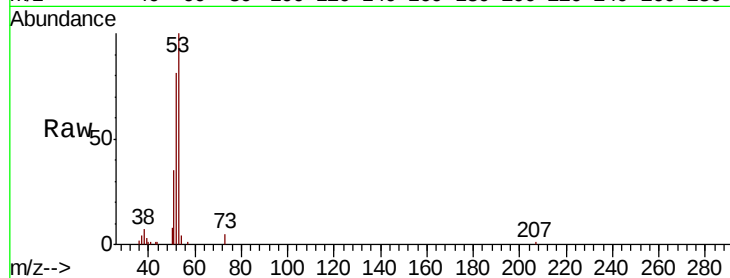
Tot Ion: 53 Resp: 102993

Ion Ratio Lower Upper

53 100

52 82.6 66.8 100.2

51 36.5 29.0 43.6



#16

Acetone

Concen: 109.572 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060495.D

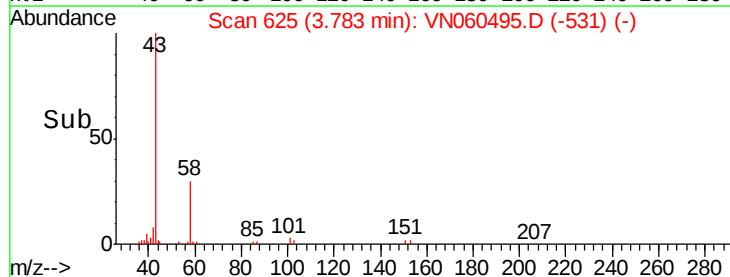
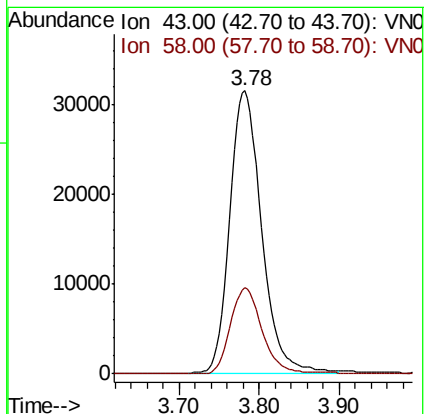
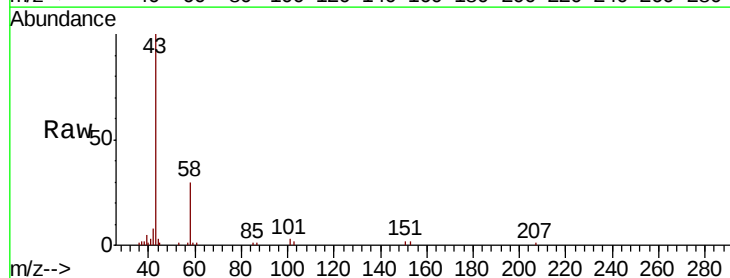
Acq: 13 Mar 2020 12:25

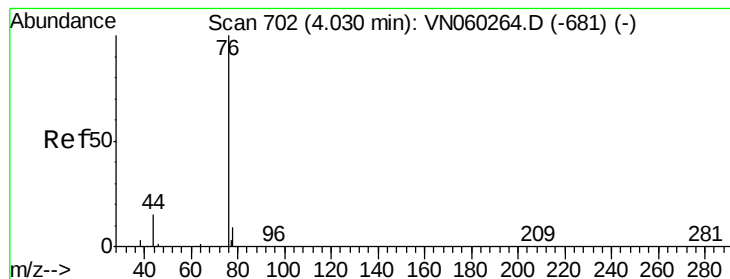
Tgt Ion: 43 Resp: 86091

Ion Ratio Lower Upper

43 100

58 30.3 24.6 36.8





#17

Carbon Disulfide

Concen: 16.085 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

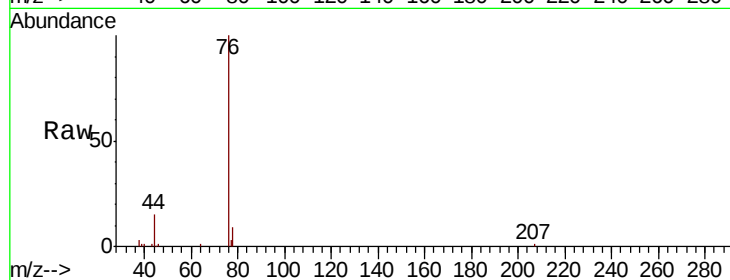
ClientSampleId :

Tot Ion: 76 Resp: 80076

Ion Ratio Lower Upper

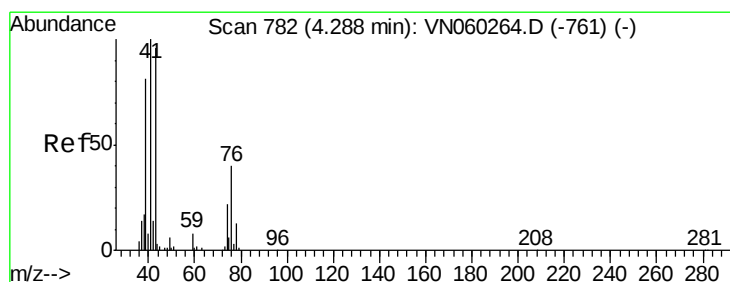
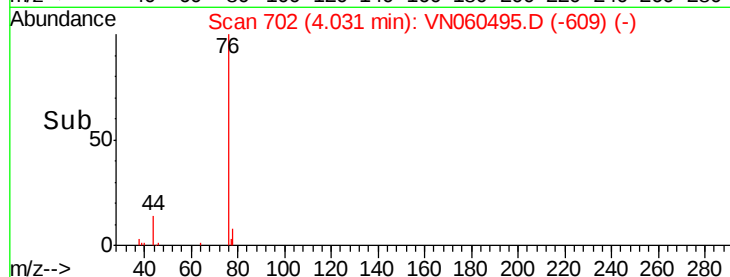
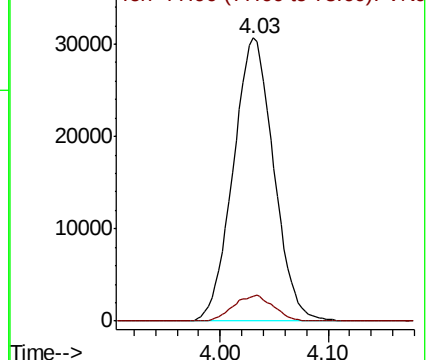
76 100

78 8.8 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.022 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN060495.D

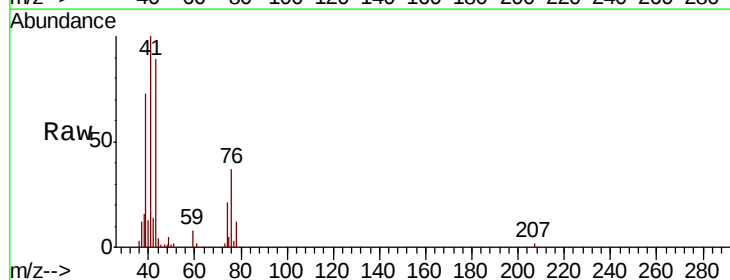
Acq: 13 Mar 2020 12:25

Tgt Ion: 43 Resp: 55119

Ion Ratio Lower Upper

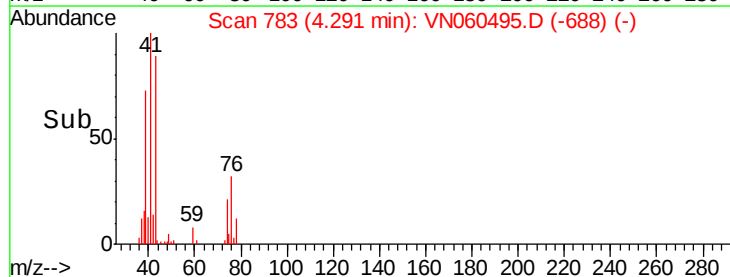
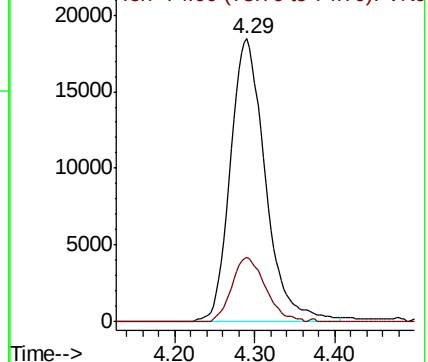
43 100

74 21.8 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

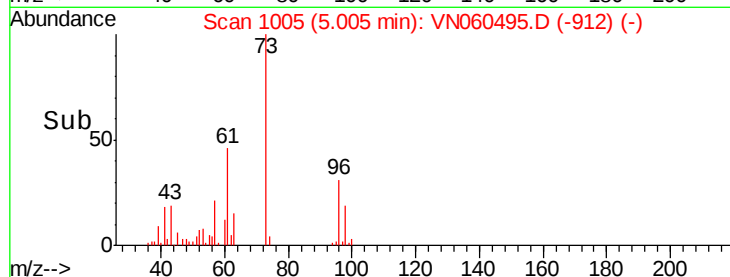
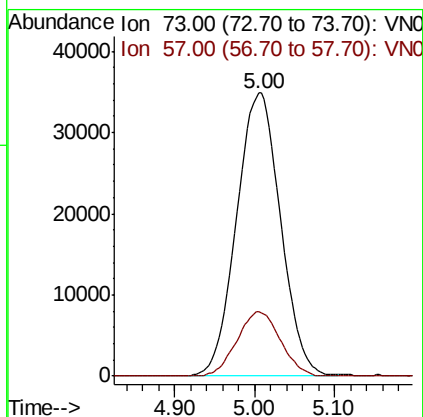
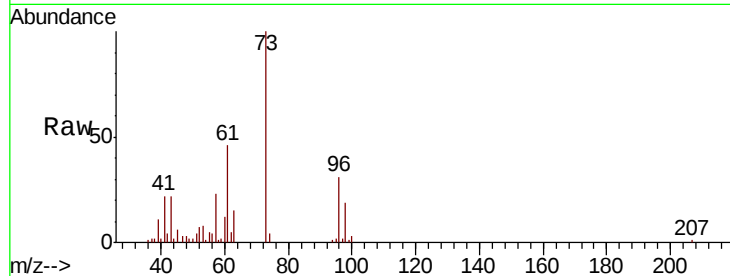




#19
Methvl tert-butvl Ether
Concen: 19.781 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

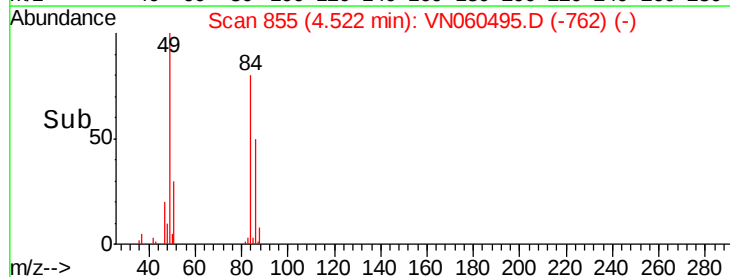
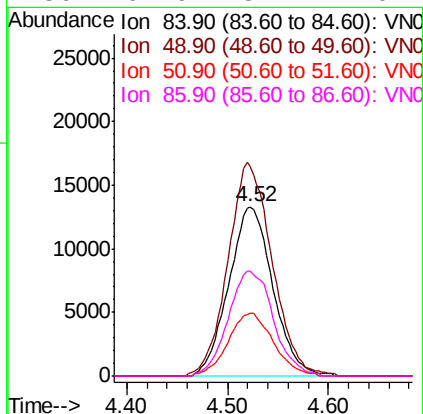
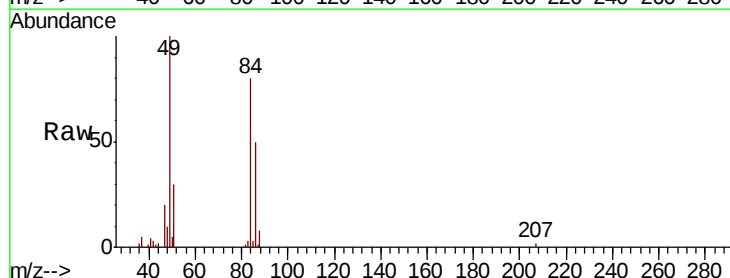
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 130846
Ion Ratio Lower Upper
73 100
57 22.8 17.3 25.9



#20
Methylene Chloride
Concen: 18.702 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Tgt Ion: 84 Resp: 40355
Ion Ratio Lower Upper
84 100
49 124.3 99.3 148.9
51 37.2 30.1 45.1
86 61.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 18.152 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

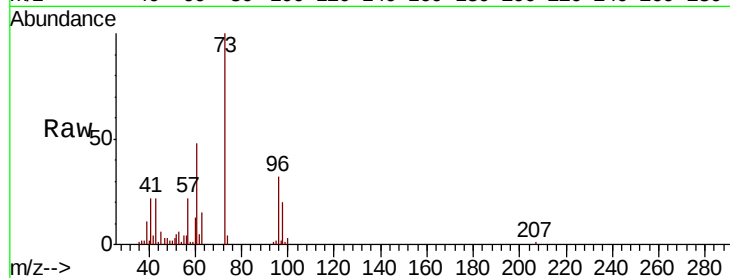
Tot Ion: 96 Resp: 36063

Ion Ratio Lower Upper

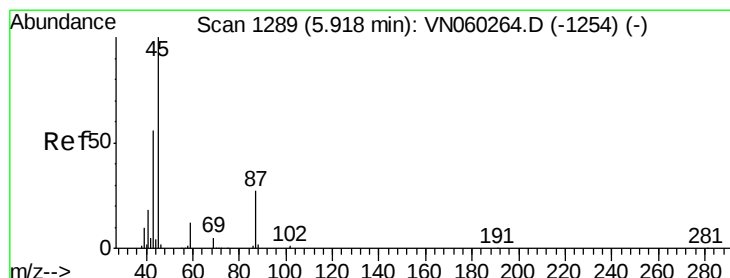
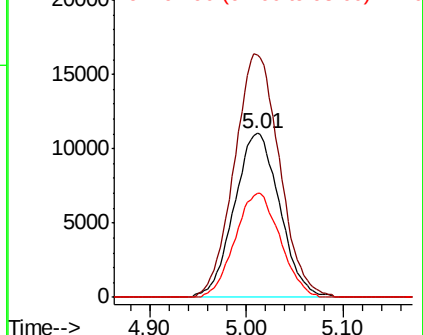
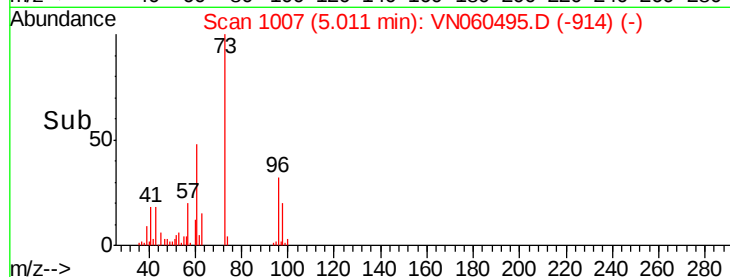
96 100

61 148.3 113.8 170.8

98 63.3 48.8 73.2



Abundance Ion 95.90 (95.60 to 96.60): VN060495.D (-914) (-)



#22

Diisopropyl ether

Concen: 20.916 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Tgt Ion: 45 Resp: 142318

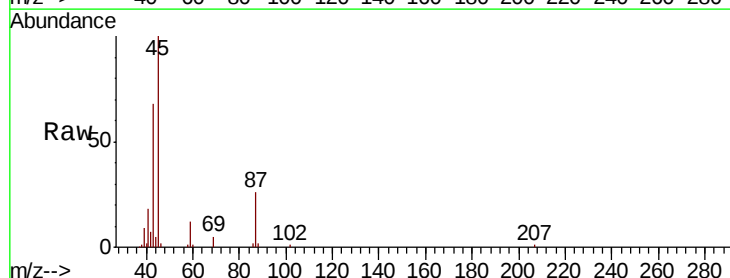
Ion Ratio Lower Upper

45 100

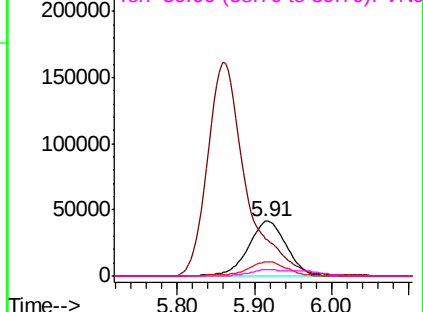
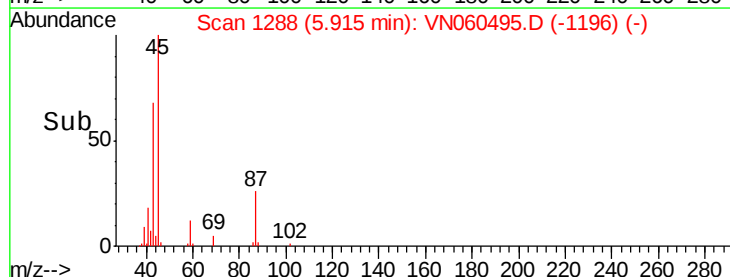
43 66.2 48.6 72.8

87 25.9 22.2 33.2

59 12.1 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN060495.D (-1196) (-)





#23

Vinyl Acetate

Concen: 102.963 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

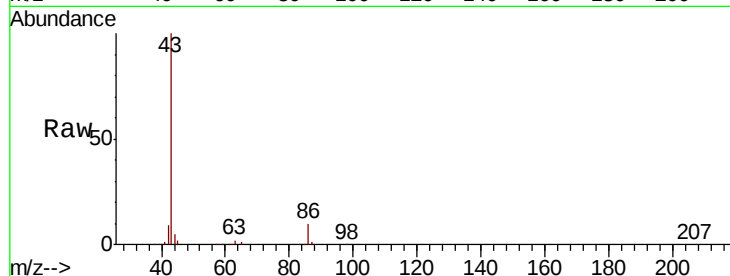
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 556703

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

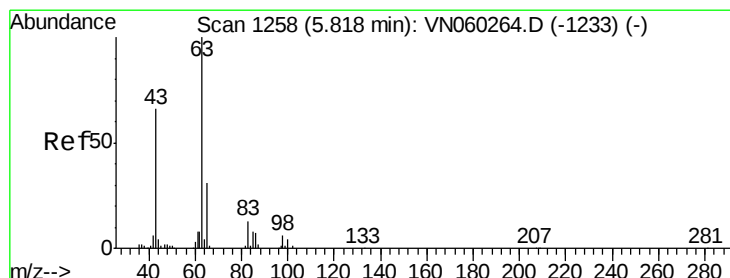
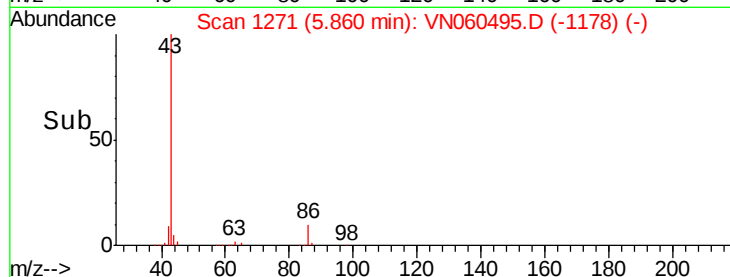
100000

50000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.001 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

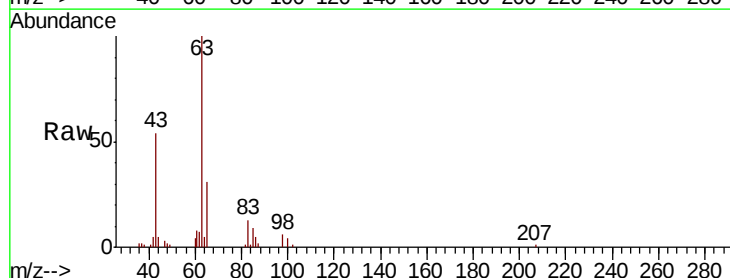
Tgt Ion: 63 Resp: 77037

Ion Ratio Lower Upper

63 100

98 6.0 3.0 9.0

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN060264.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN060264.D (-1233) (-)

5.82

30000

25000

20000

15000

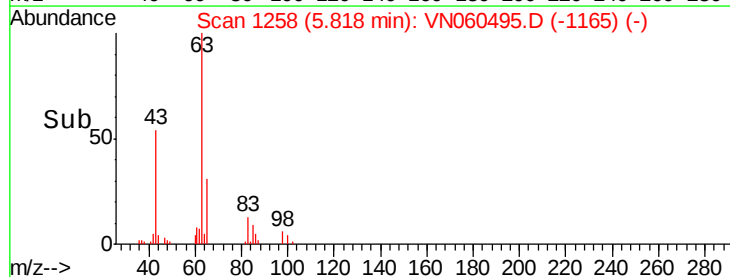
10000

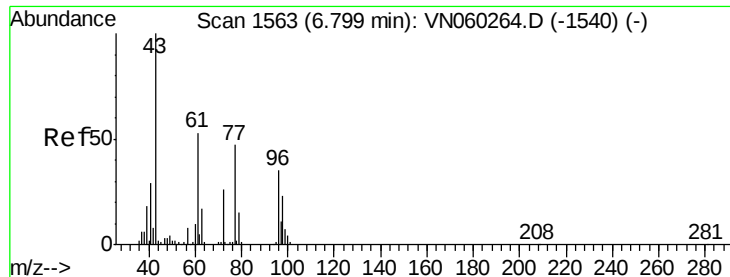
5000

0

Time-->

5.70 5.80 5.90





#25

2-Butanone

Concen: 109.909 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

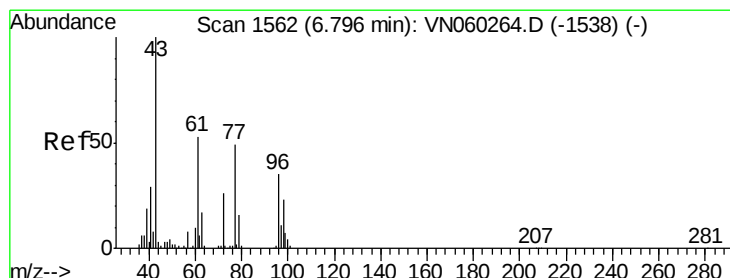
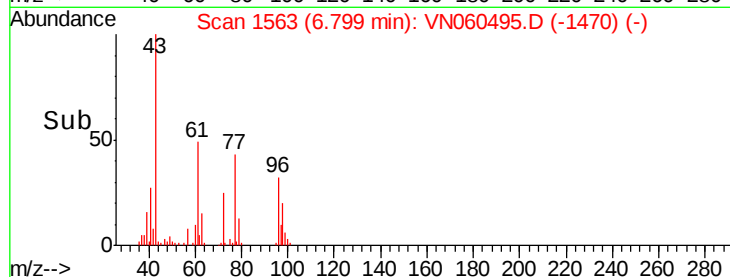
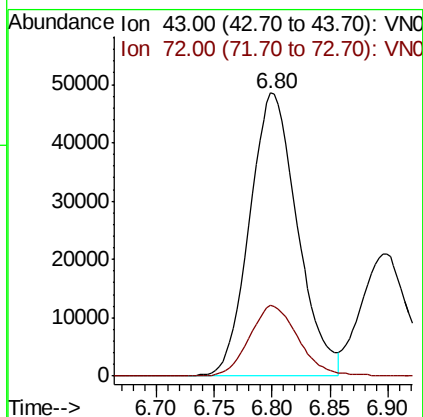
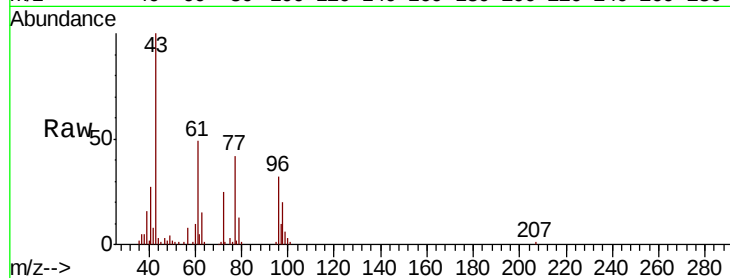
ClientSampled :

Tot Ion: 43 Resp: 139485

Ion Ratio Lower Upper

43 100

72 25.0 20.9 31.3



#26

2,2-Dichloropropane

Concen: 19.121 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060495.D

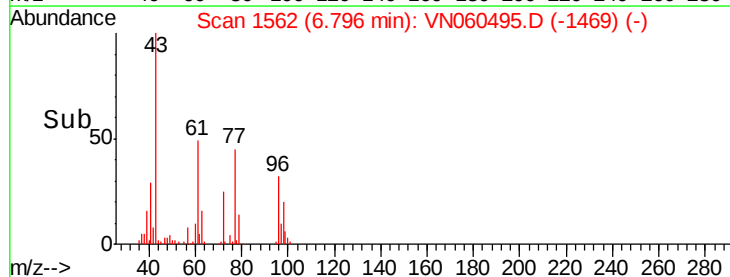
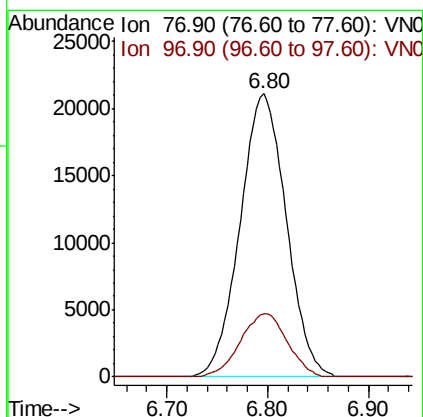
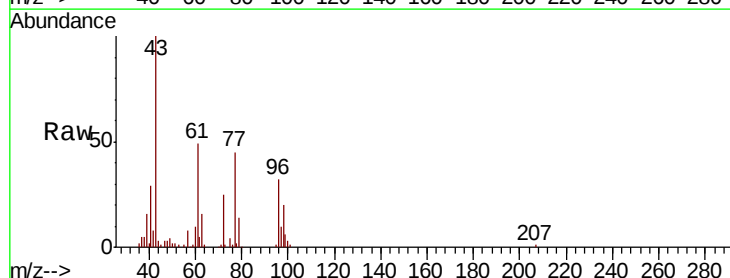
Acq: 13 Mar 2020 12:25

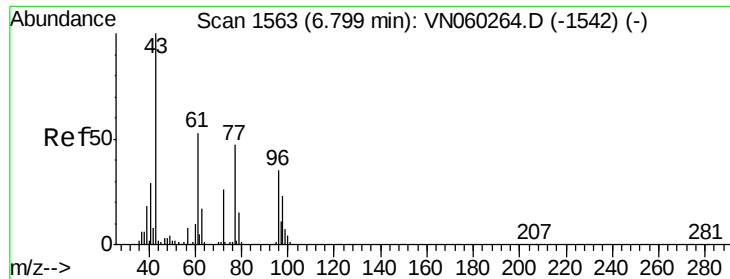
Tgt Ion: 77 Resp: 67045

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 17.846 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :

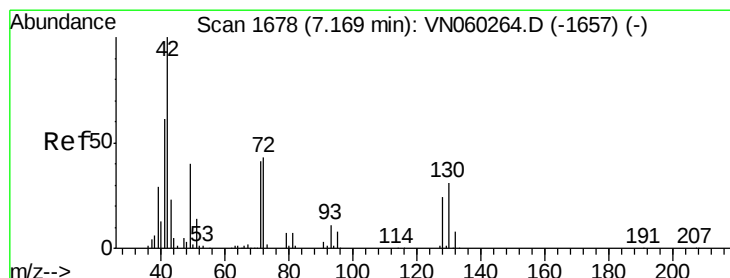
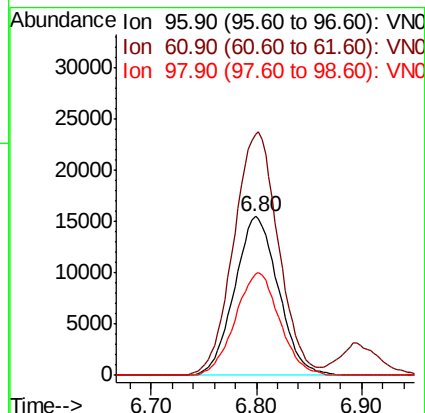
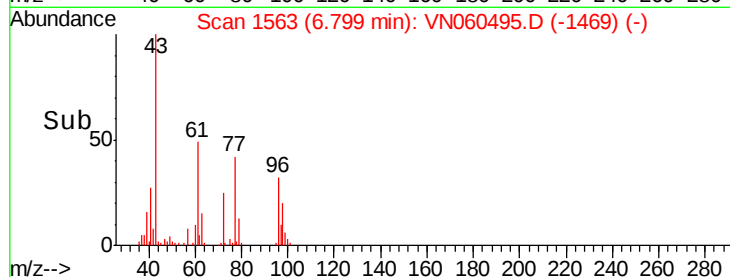
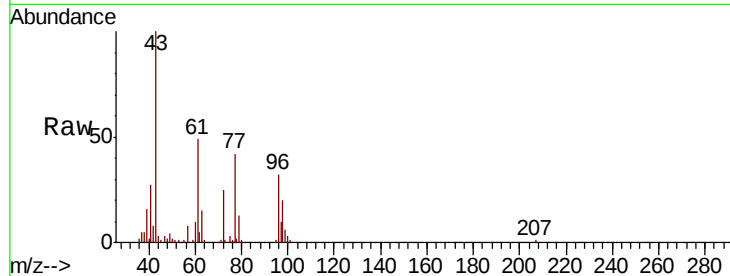
Tot Ion: 96 Resp: 44653

Ion Ratio Lower Upper

96 100

61 156.3 0.0 300.8

98 65.3 0.0 128.2



#28

Bromochloromethane

Concen: 20.530 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

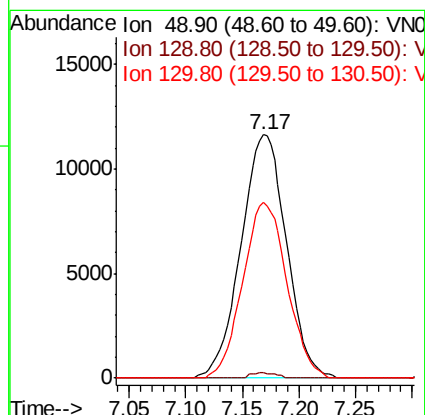
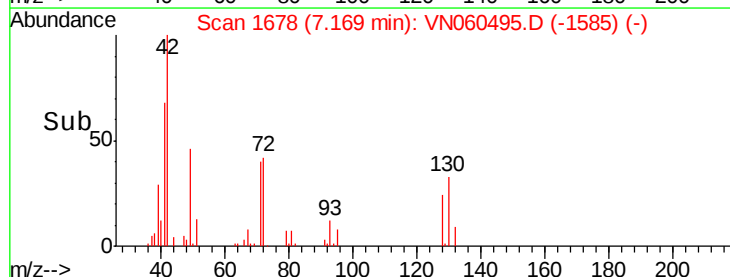
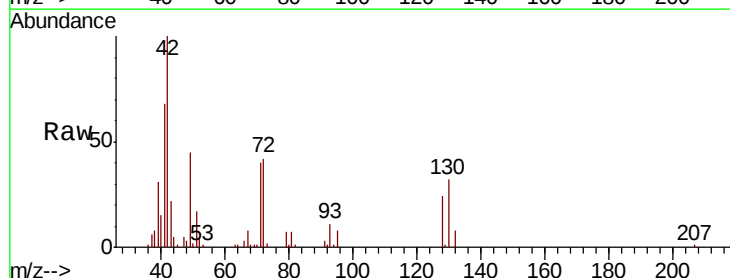
Tgt Ion: 49 Resp: 32466

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.8

130 70.3 59.8 89.8





#29

Tetrahydrofuran

Concen: 107.426 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

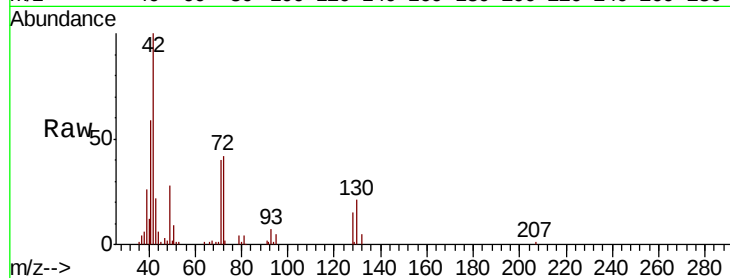
Tot Ion: 42 Resp: 94803

Ion Ratio Lower Upper

42 100

72 41.7 34.6 52.0

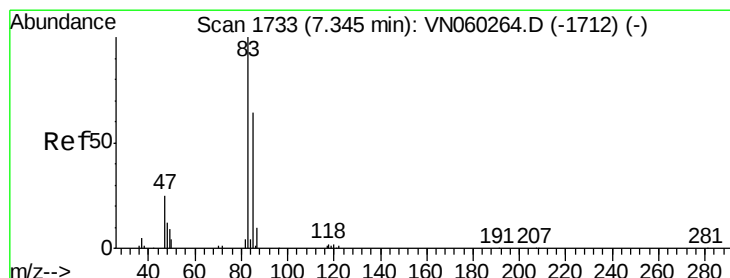
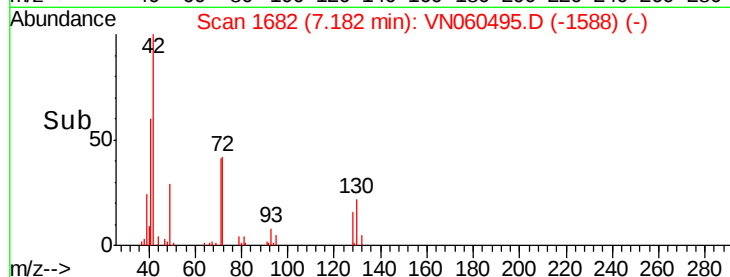
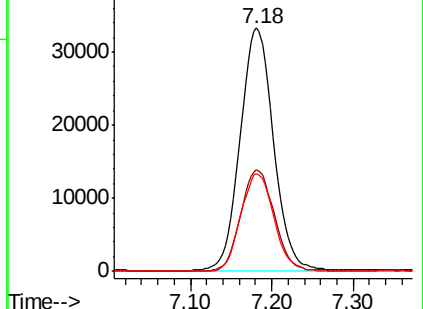
71 39.4 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN060264.D (-1651) (-)

Ion 72.00 (71.70 to 72.70): VN060264.D (-1651) (-)

Ion 71.00 (70.70 to 71.70): VN060264.D (-1651) (-)



#30

Chloroform

Concen: 19.540 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN060495.D

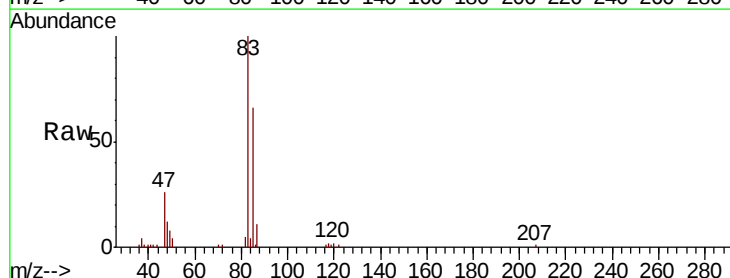
Acq: 13 Mar 2020 12:25

Tgt Ion: 83 Resp: 74919

Ion Ratio Lower Upper

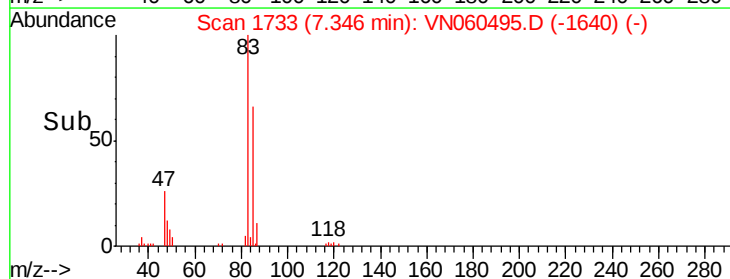
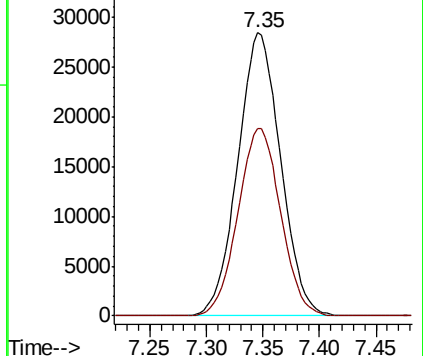
83 100

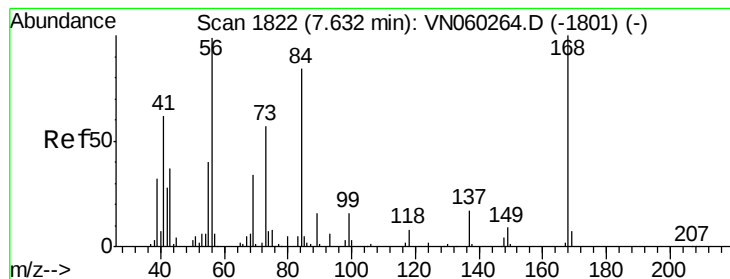
85 66.4 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN060264.D (-1712) (-)

Ion 84.90 (84.60 to 85.60): VN060264.D (-1712) (-)





#31

Cyclohexane

Concen: 19.333 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampled :

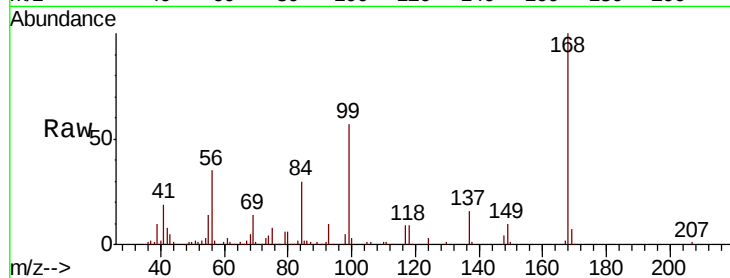
Tot Ion: 56 Resp: 66246

Ion Ratio Lower Upper

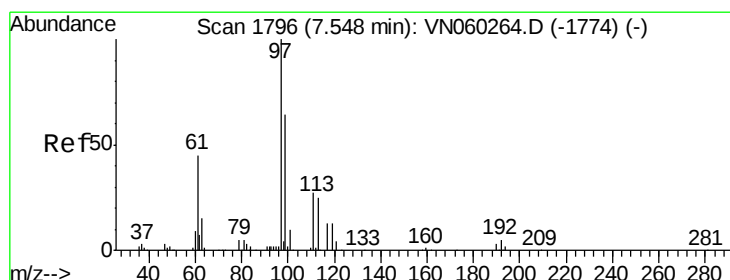
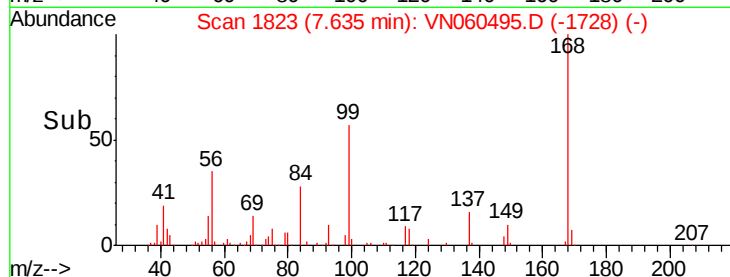
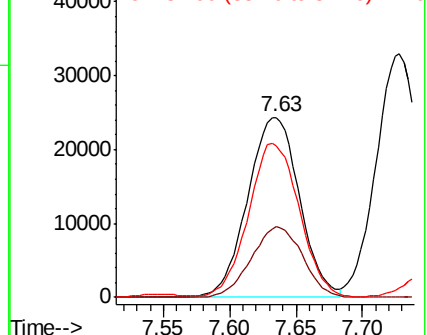
56 100

69 39.3 27.2 40.8

84 83.2 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: 18.920 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

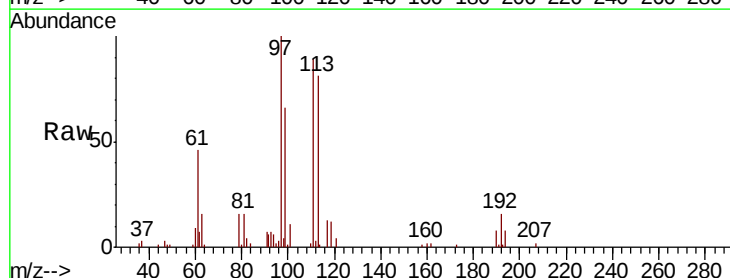
Tgt Ion: 97 Resp: 64274

Ion Ratio Lower Upper

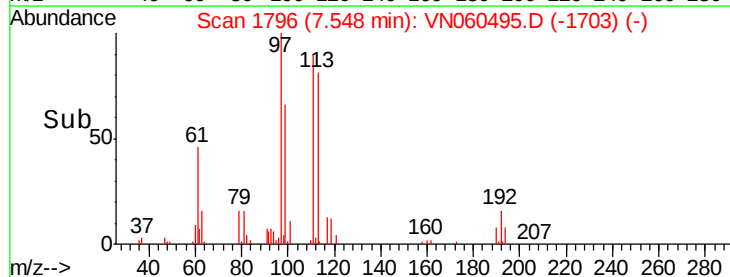
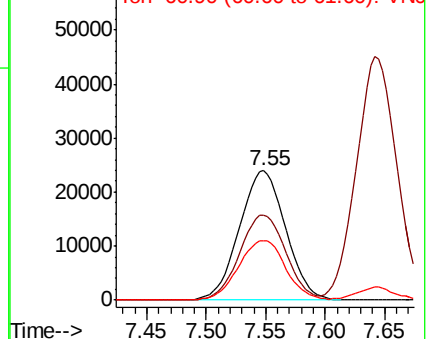
97 100

99 66.1 51.4 77.0

61 46.7 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: 50.775 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

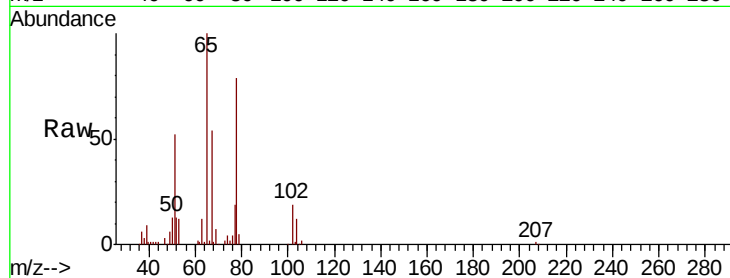
ClientSampleId :

Tot Ion: 65 Resp: 123538

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060264.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060264.D (-1920) (-)

8.00

60000

50000

40000

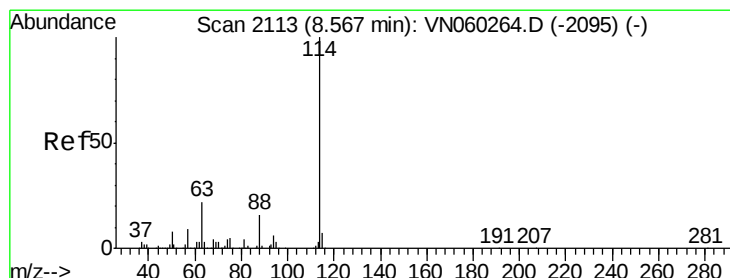
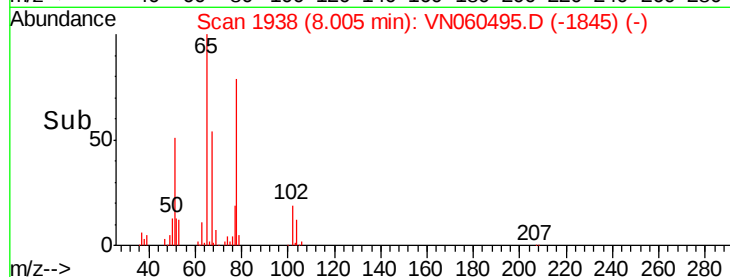
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

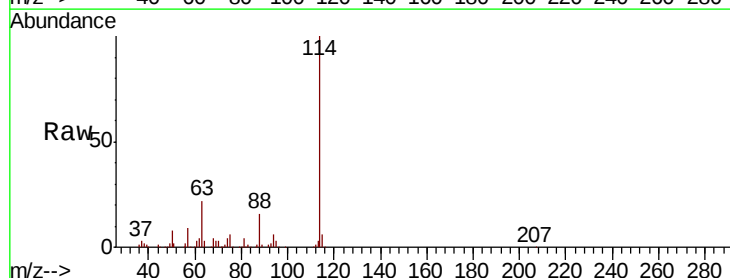
Tgt Ion: 114 Resp: 317306

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.2

88 16.2 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060264.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060264.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060264.D (-2095) (-)

8.57

200000

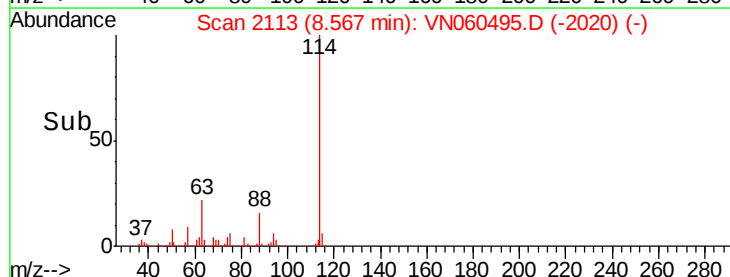
150000

100000

50000

0

Time-->

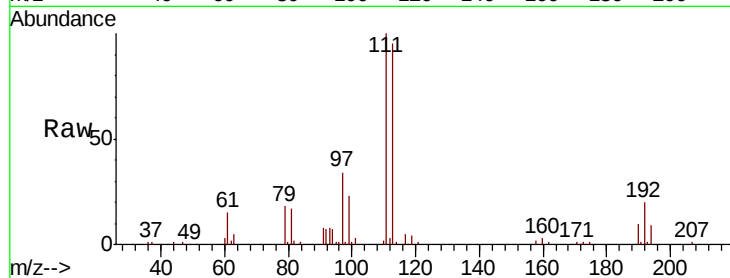




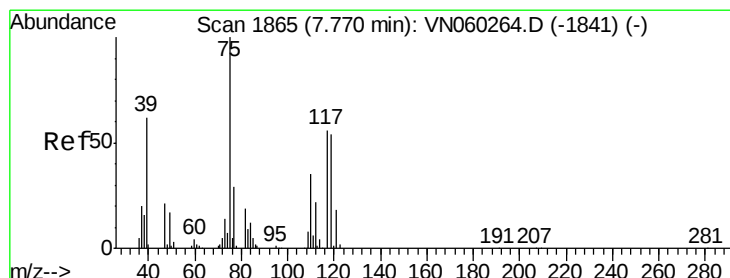
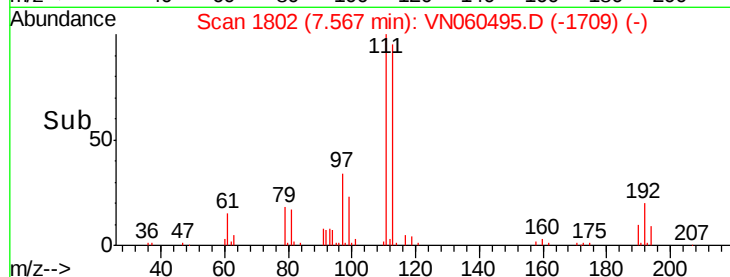
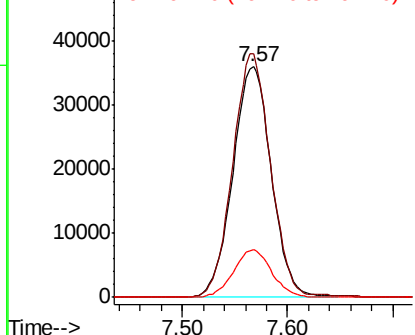
#35
 Dibromofluoromethane
 Concen: 61.843 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 91084
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.4 123.6
 192 20.3 16.2 24.2

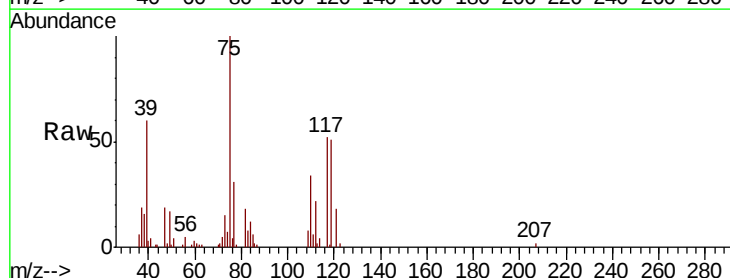


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

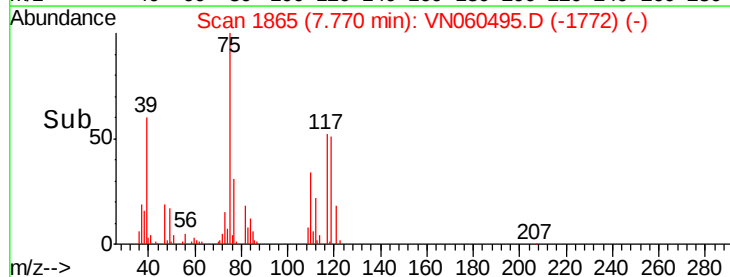
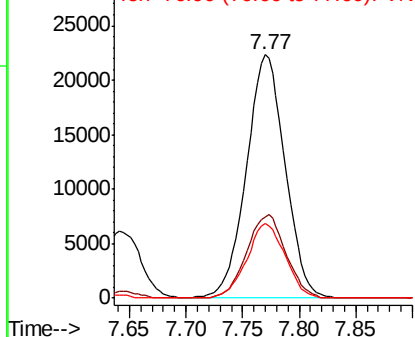


#36
 1,1-Dichloropropene
 Concen: 17.562 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

Tgt Ion: 75 Resp: 53108
 Ion Ratio Lower Upper
 75 100
 110 34.7 17.3 52.0
 77 30.2 24.2 36.2



Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

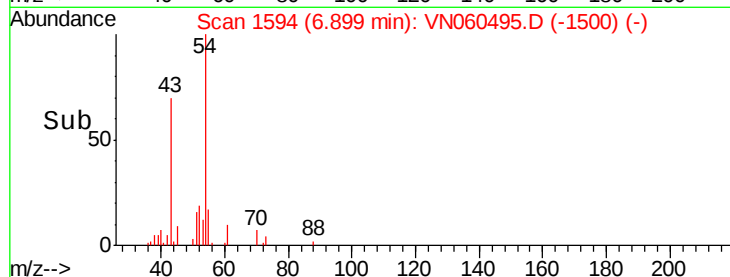
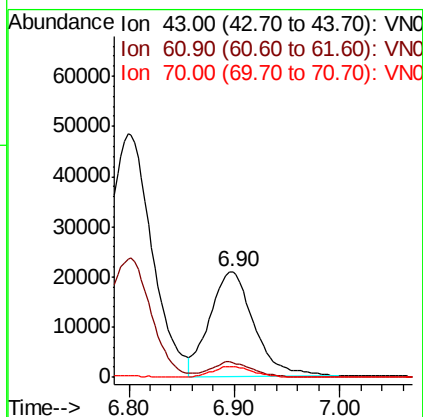
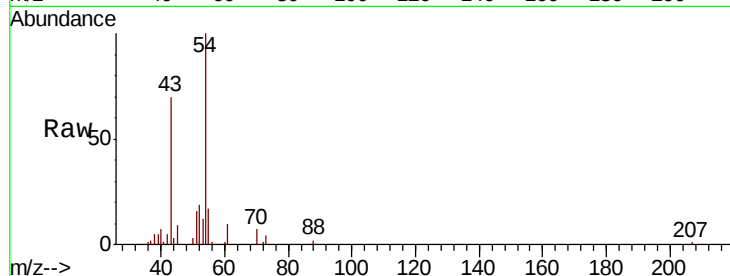




#37
Ethyl Acetate
Concen: 21.099 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

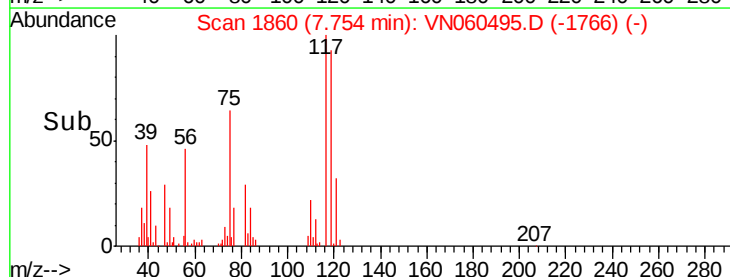
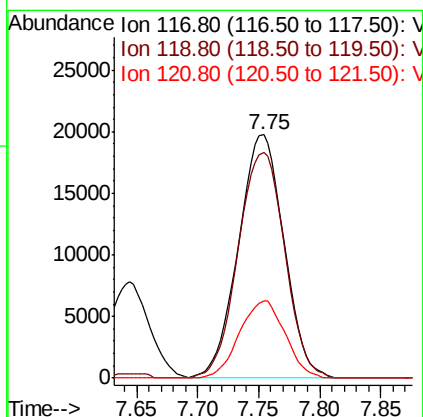
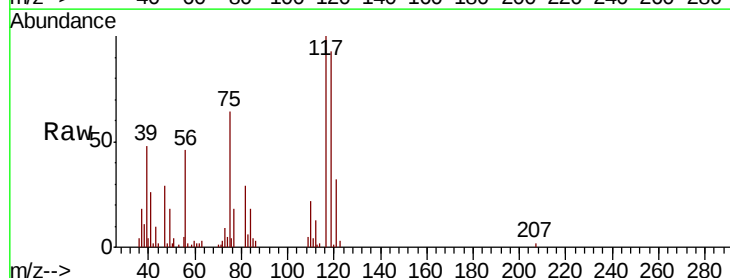
Instrument :
MSVOA_N
ClientSampled :

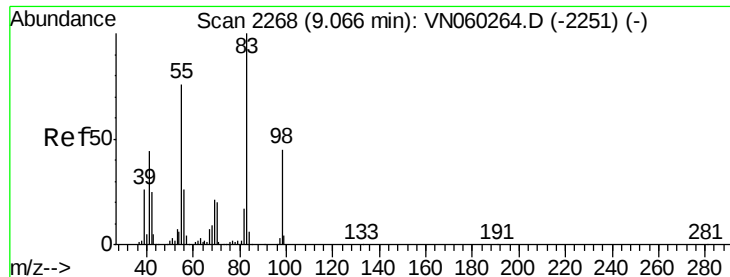
Tot Ion: 43 Resp: 60415
Ion Ratio Lower Upper
43 100
61 13.9 11.1 16.7
70 9.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 17.374 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Tgt Ion: 117 Resp: 51154
Ion Ratio Lower Upper
117 100
119 92.7 76.7 115.1
121 31.9 24.5 36.7

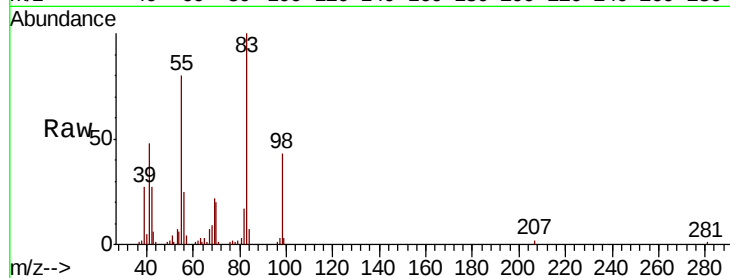




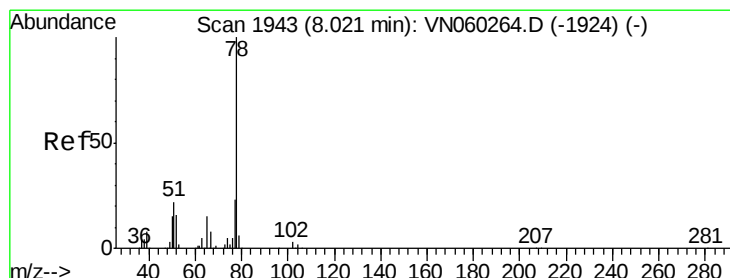
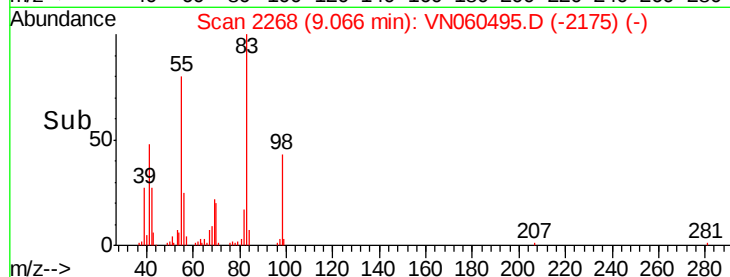
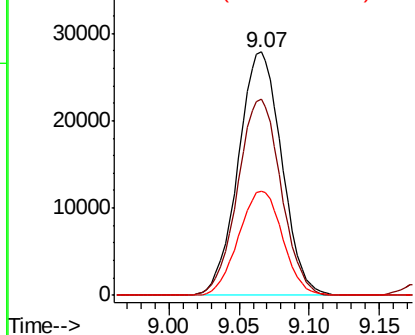
#39
Methvlcvclohexane
Concen: 16.861 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 60119
Ion Ratio Lower Upper
83 100
55 80.4 61.0 91.4
98 42.9 36.1 54.1

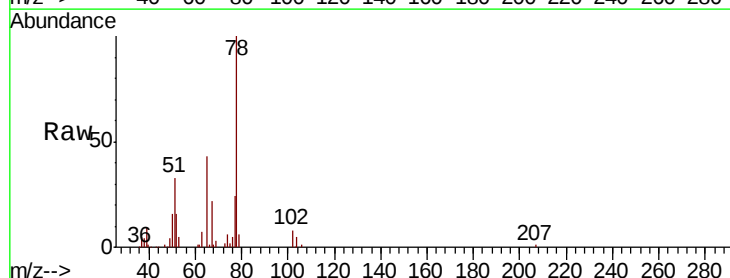


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

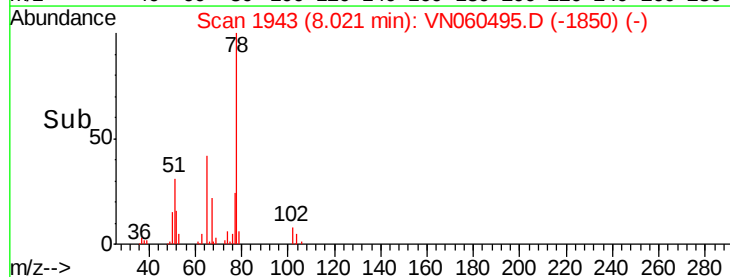
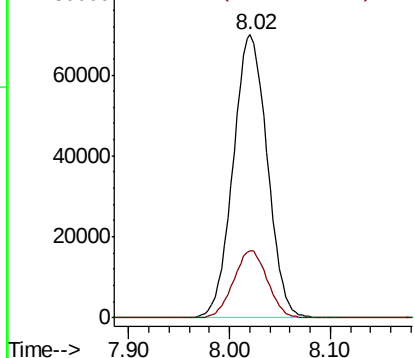


#40
Benzene
Concen: 18.650 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Tgt Ion: 78 Resp: 164149
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2



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

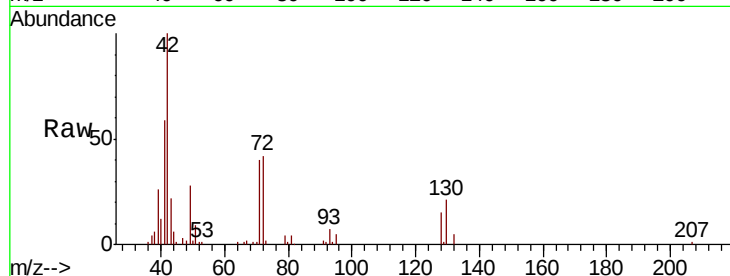




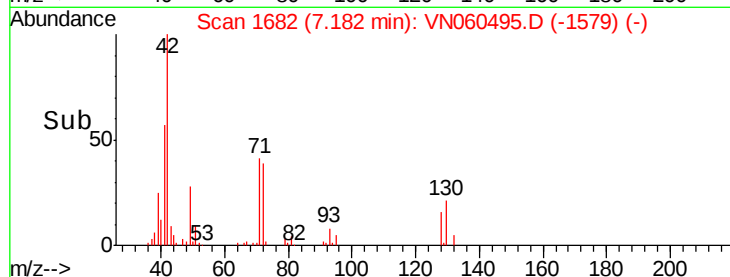
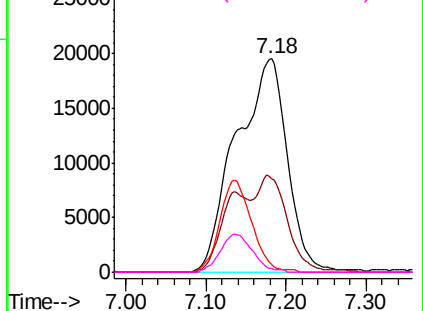
#41
Methacrylonitrile
Concen: 64.824 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	85707
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

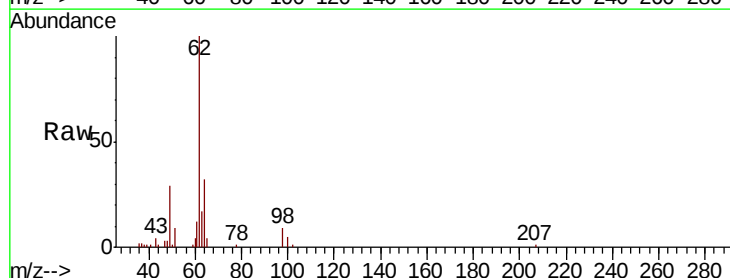


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

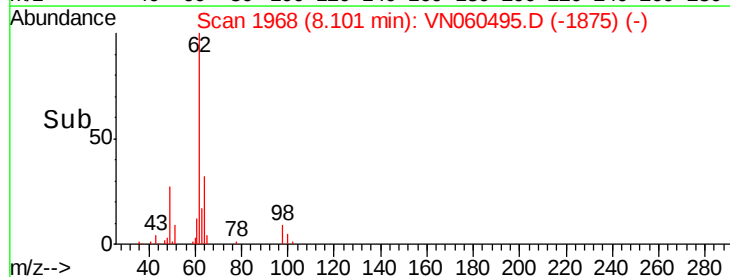
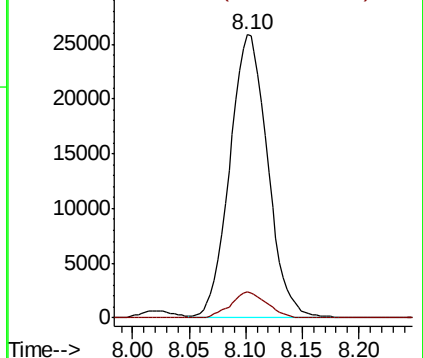


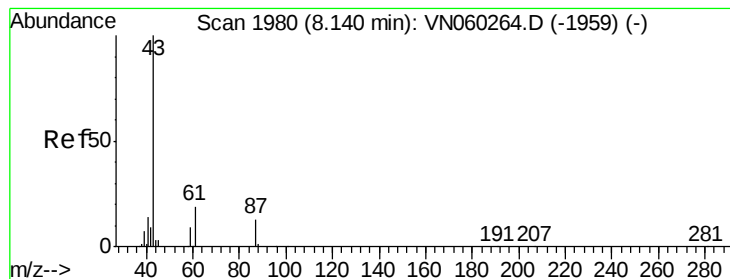
#42
1,2-Dichloroethane
Concen: 19.023 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Tgt Ion:	62	Resp:	60422
Ion	Ratio	Lower	Upper
62	100		
98	8.6	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: 20.573 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

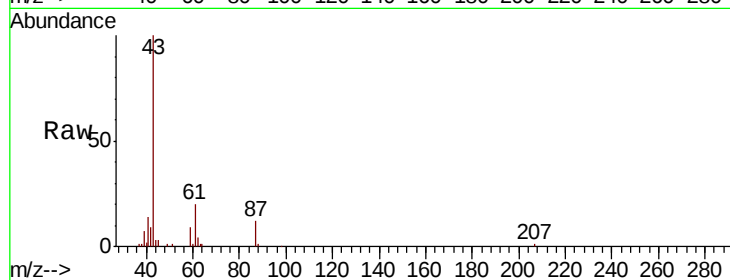
Tot Ion: 43 Resp: 103131

Ion Ratio Lower Upper

43 100

61 25.8 20.9 31.3

87 12.2 10.6 16.0

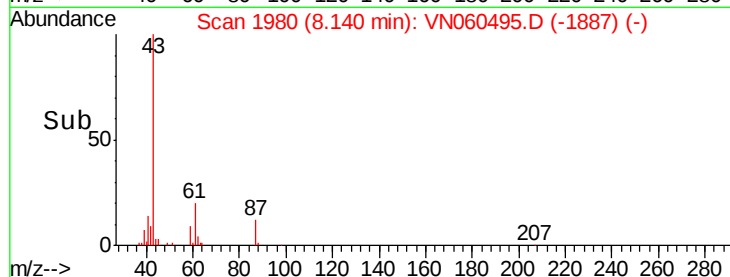


Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

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

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

Time-->

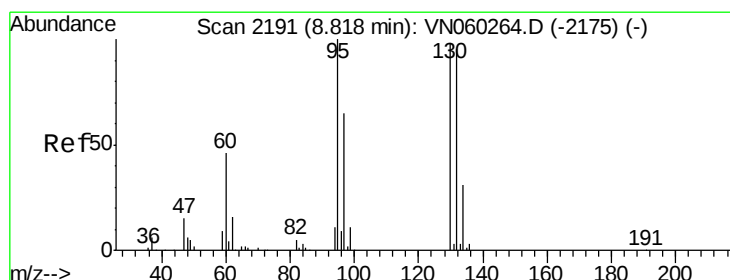


Abundance Ion 43.00 (42.70 to 43.70): VN060495.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060495.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060495.D (-1887) (-)

Time-->



#44

Trichloroethene

Concen: 17.753 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060495.D

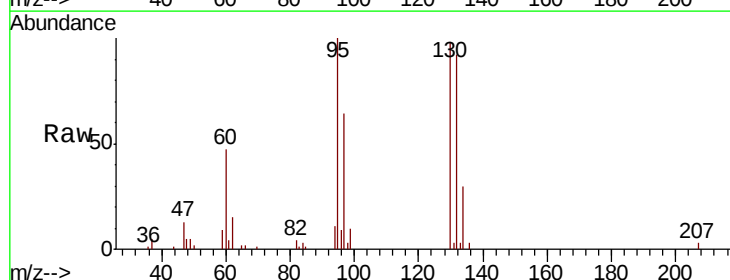
Acq: 13 Mar 2020 12:25

Tgt Ion: 130 Resp: 43519

Ion Ratio Lower Upper

130 100

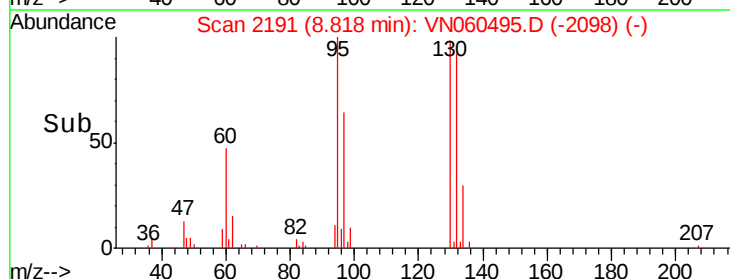
95 102.1 0.0 203.4



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

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

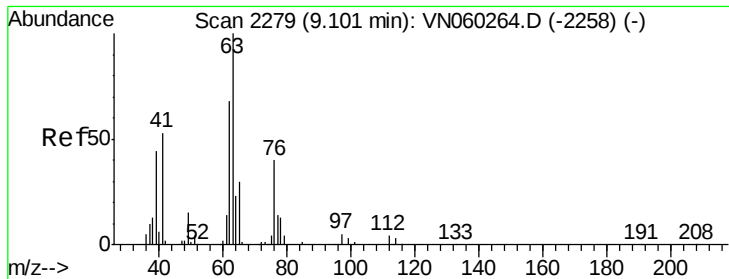
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN060495.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060495.D (-2098) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 20.229 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

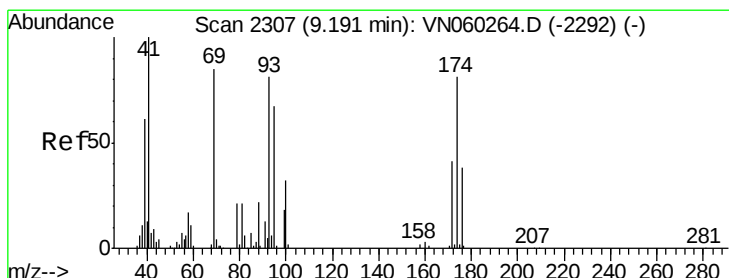
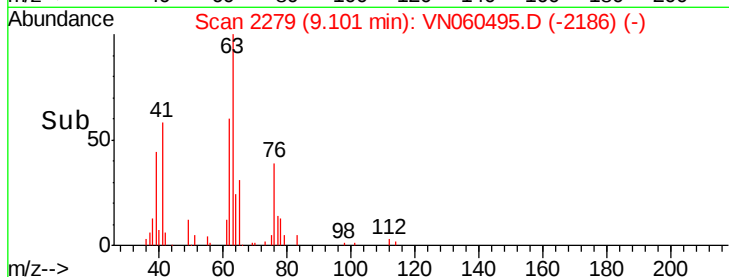
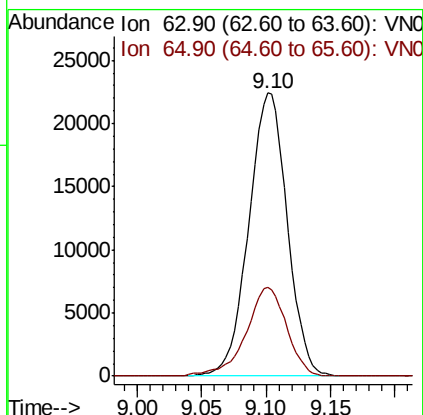
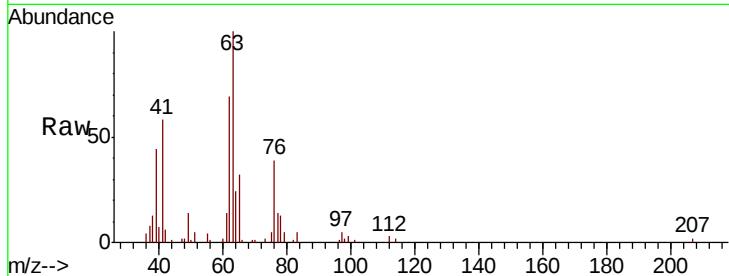
ClientSampled :

Tot Ion: 63 Resp: 46553

Ion Ratio Lower Upper

63 100

65 31.6 24.4 36.6



#46

Dibromomethane

Concen: 18.676 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

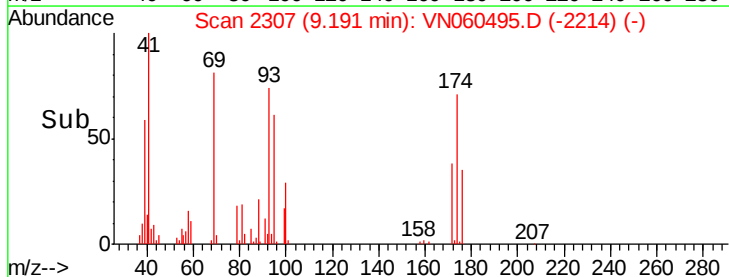
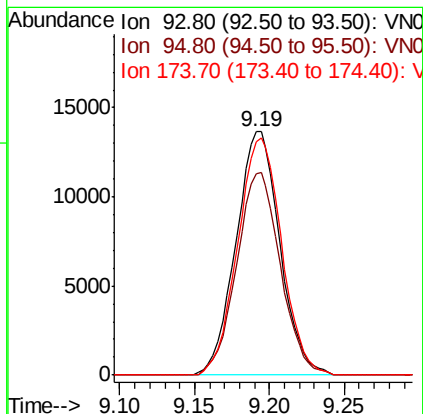
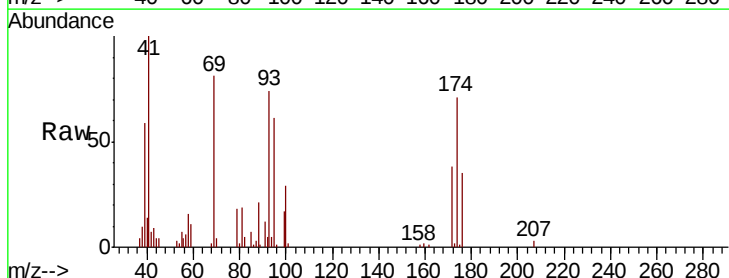
Tgt Ion: 93 Resp: 27887

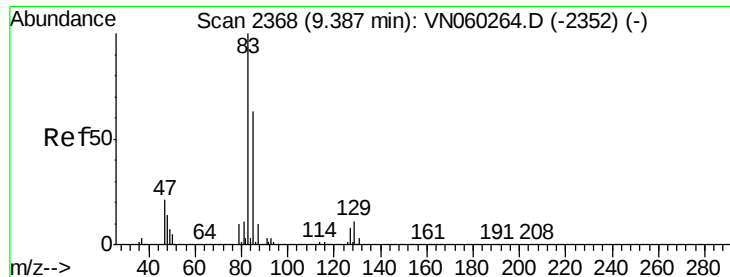
Ion Ratio Lower Upper

93 100

95 82.7 65.9 98.9

174 97.5 79.6 119.4





#47

Bromodichloromethane

Concen: 19.450 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

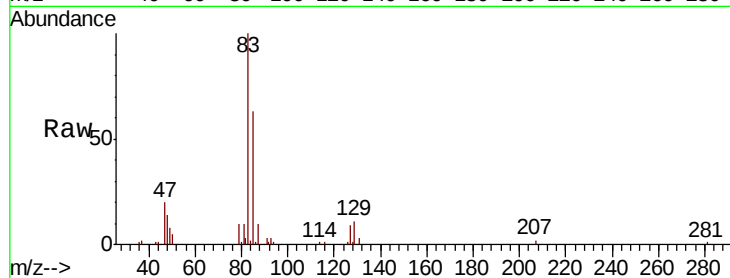
Tot Ion: 83 Resp: 59069

Ion Ratio Lower Upper

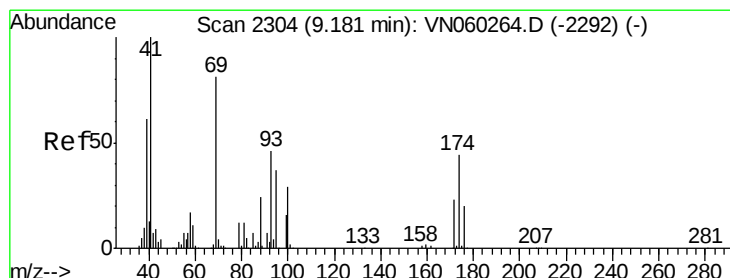
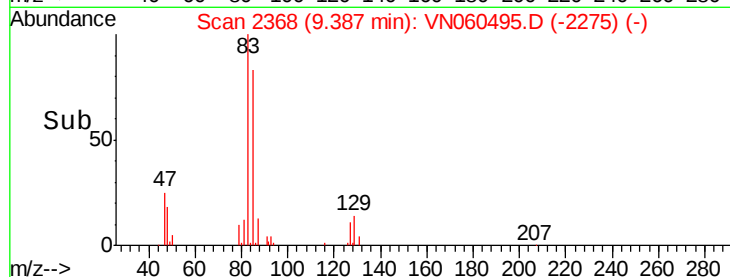
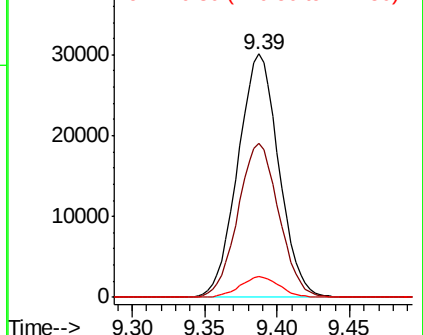
83 100

85 63.2 50.7 76.1

127 8.5 6.8 10.2



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



#48

Methyl methacrylate

Concen: 18.891 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

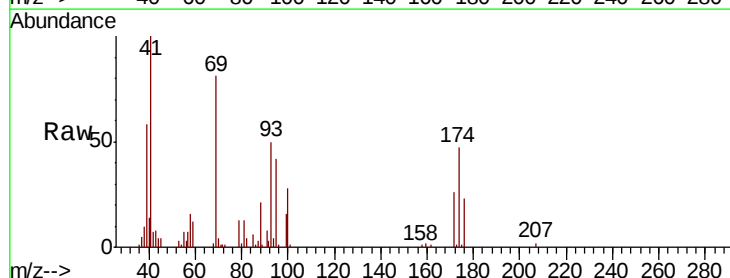
Tgt Ion: 41 Resp: 43184

Ion Ratio Lower Upper

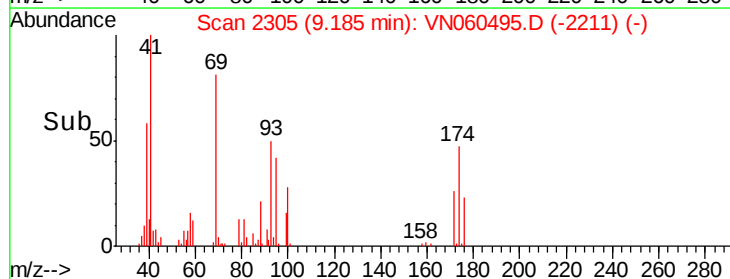
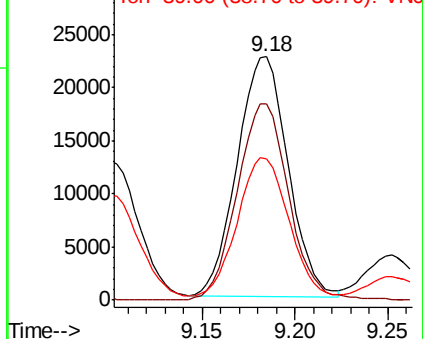
41 100

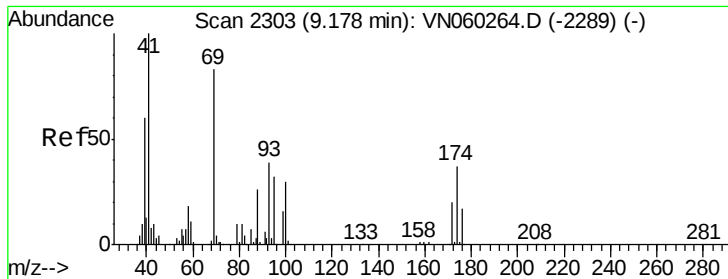
69 82.9 66.7 100.1

39 61.3 50.1 75.1



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

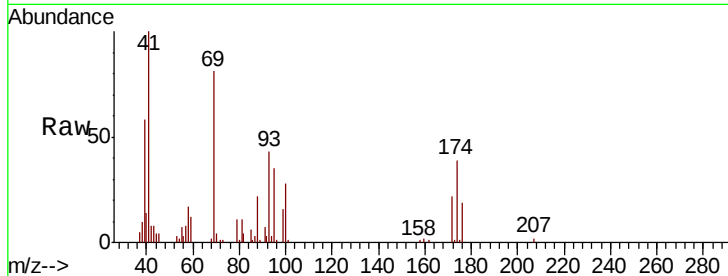




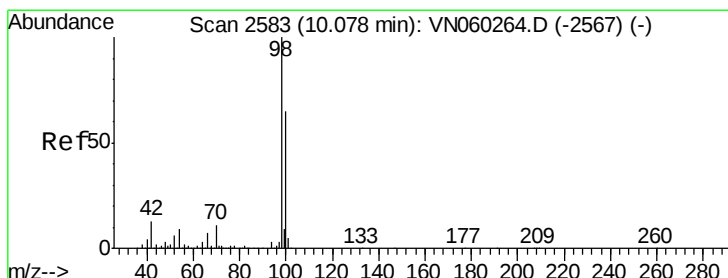
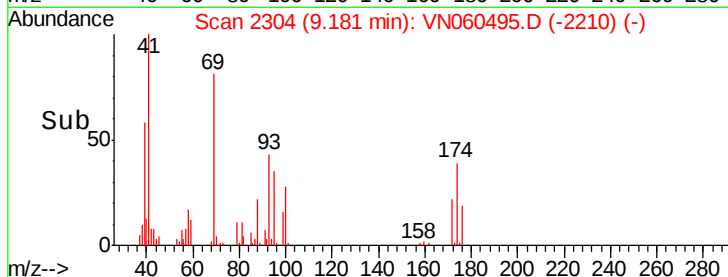
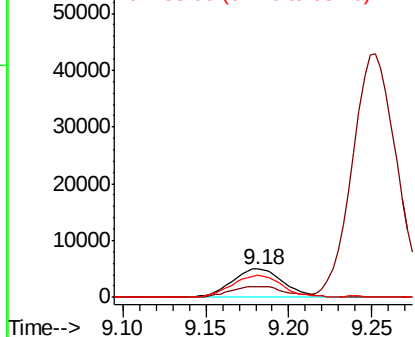
#49
1,4-Dioxane
Concen: 336.768 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 10826
Ion Ratio Lower Upper
88 100
43 39.8 30.4 45.6
58 75.3 57.0 85.6

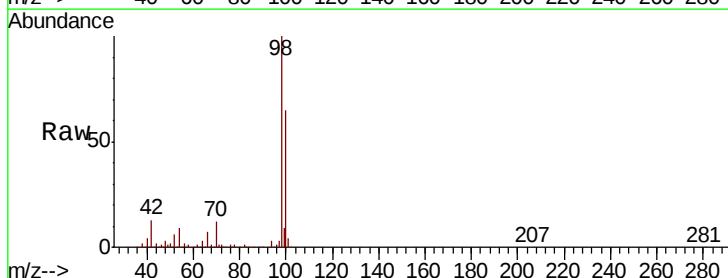


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

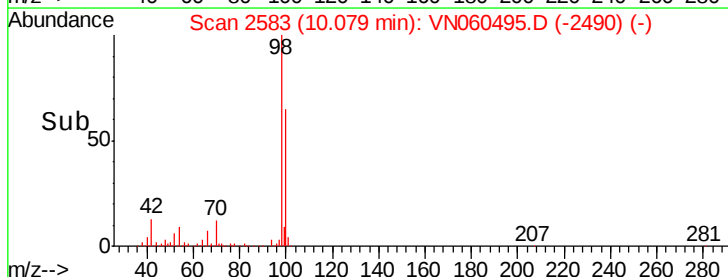
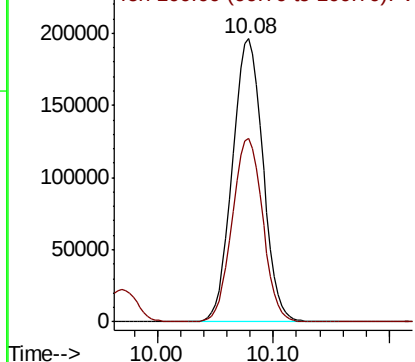


#50
Toluene-d8
Concen: 47.874 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Tgt Ion: 98 Resp: 356862
Ion Ratio Lower Upper
98 100
100 64.9 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: 105.264 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

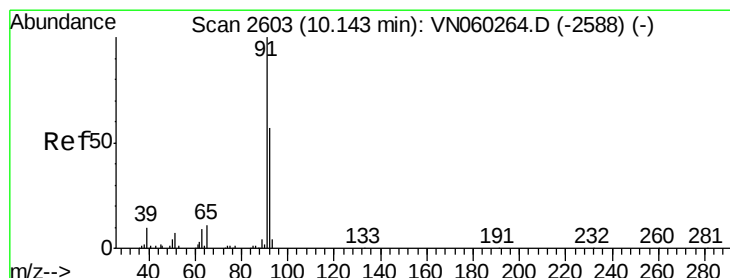
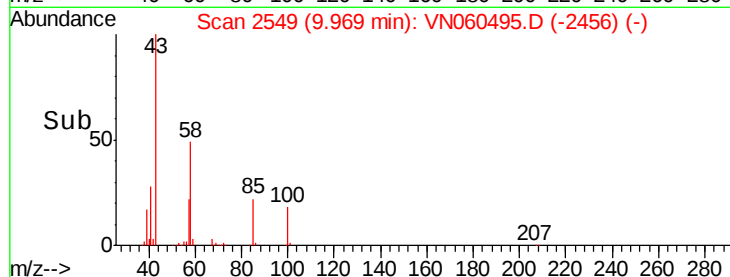
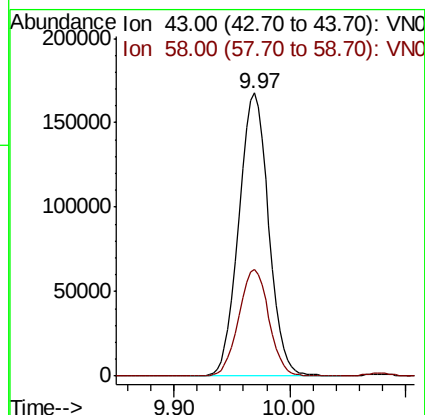
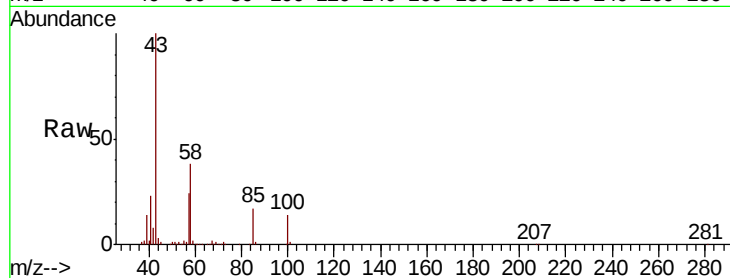
ClientSampleId :

Tot Ion: 43 Resp: 299186

Ion Ratio Lower Upper

43 100

58 38.1 30.9 46.3



#52

Toluene

Concen: 18.231 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060495.D

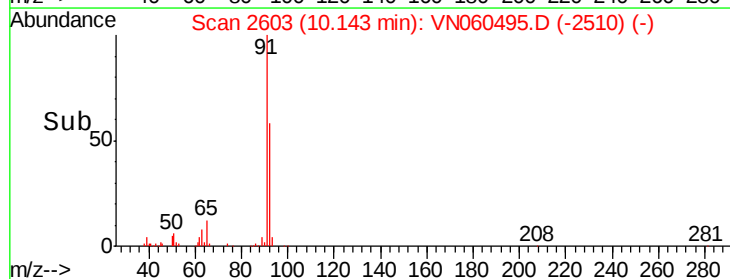
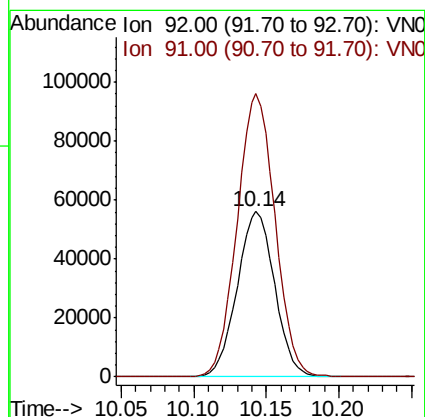
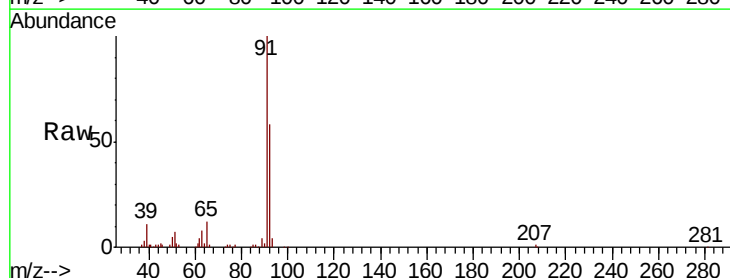
Acq: 13 Mar 2020 12:25

Tgt Ion: 92 Resp: 100799

Ion Ratio Lower Upper

92 100

91 173.2 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 18.018 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

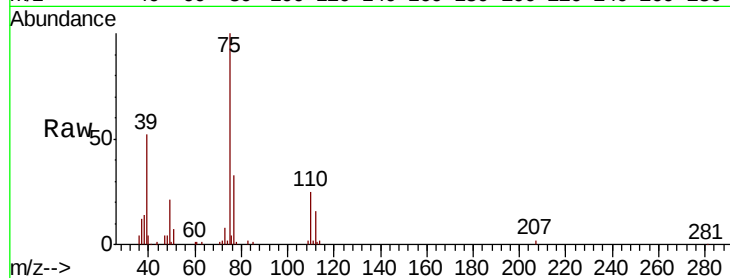
ClientSampleId :

Tot Ion: 75 Resp: 67049

Ion Ratio Lower Upper

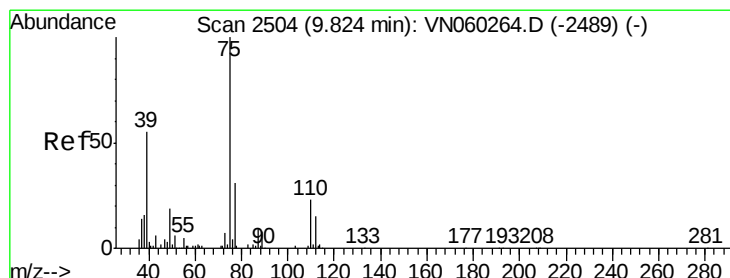
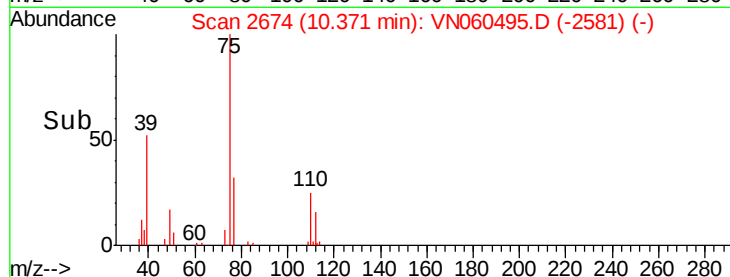
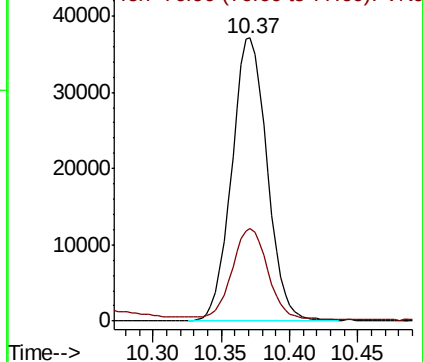
75 100

77 32.1 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.940 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

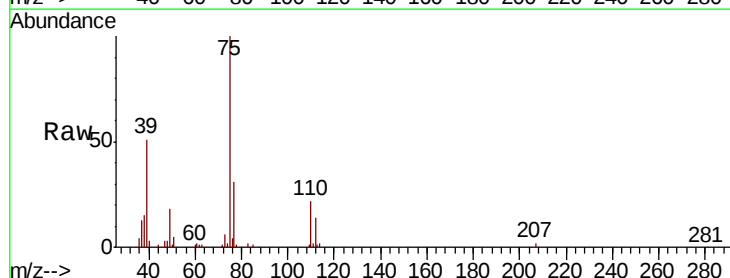
Tgt Ion: 75 Resp: 73034

Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2

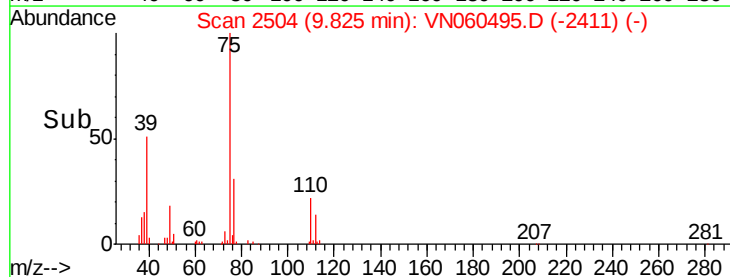
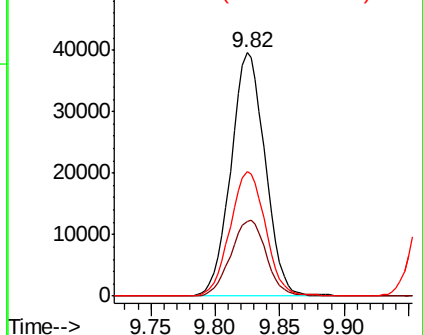
39 50.9 43.8 65.8

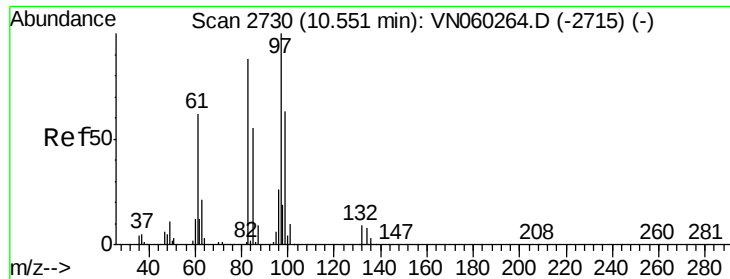


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

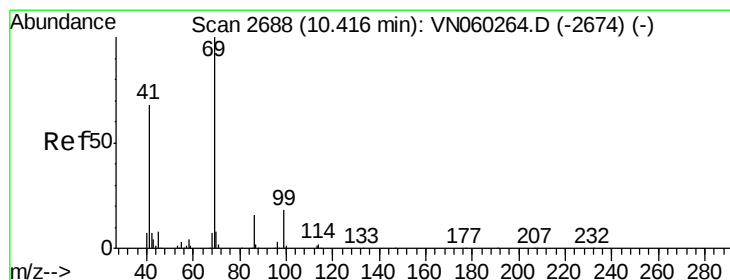
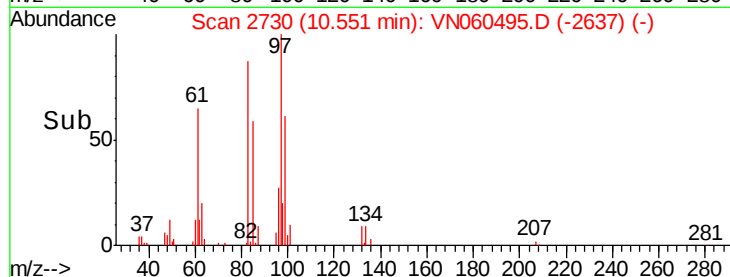
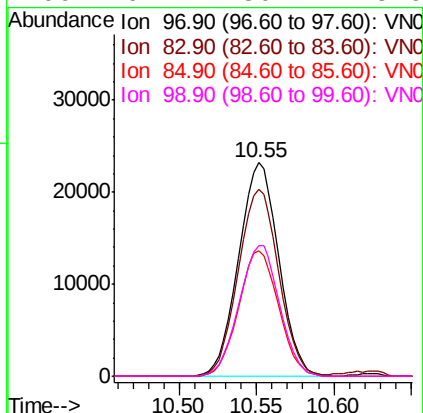
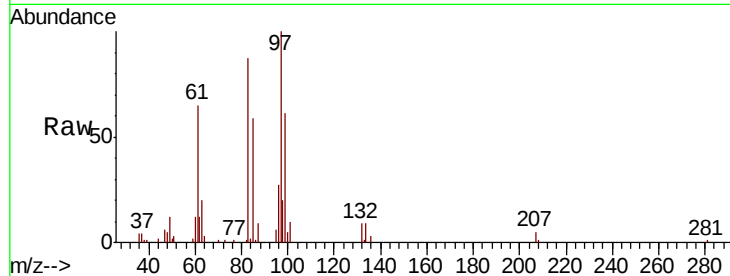




#55
 1,1,2-Trichloroethane
 Concen: 18.855 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

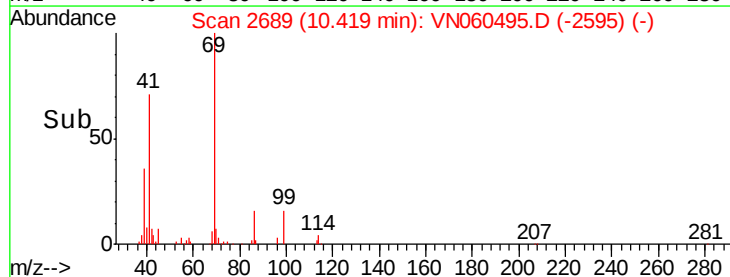
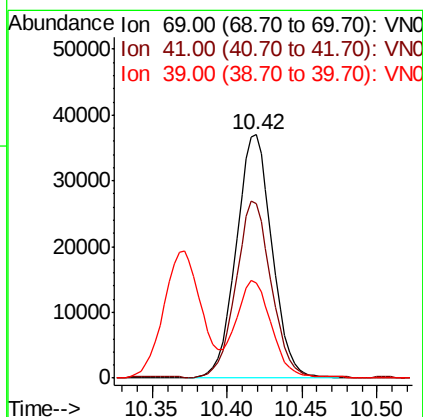
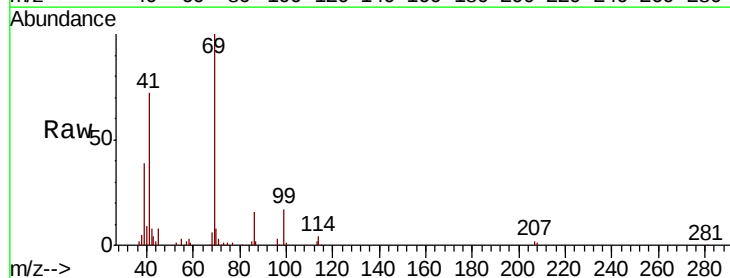
Instrument :
 MSVOA_N
 ClientSampled :

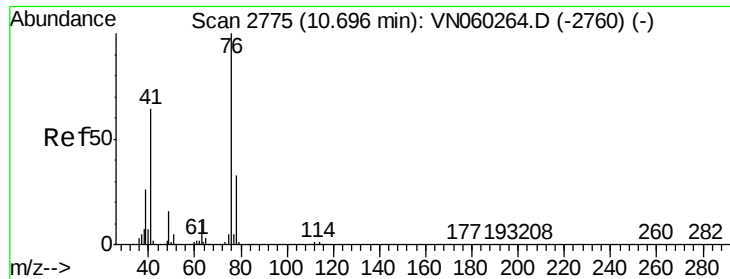
Tot Ion:	97	Resp:	41923
Ion	Ratio	Lower	Upper
97	100		
83	87.5	70.0	105.0
85	58.9	44.0	66.0
99	61.4	50.4	75.6



#56
 Ethyl methacrylate
 Concen: 19.291 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

Tgt Ion:	69	Resp:	61620
Ion	Ratio	Lower	Upper
69	100		
41	72.4	54.1	81.1
39	41.2	32.5	48.7





#57

1,3-Dichloropropane

Concen: 19.639 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

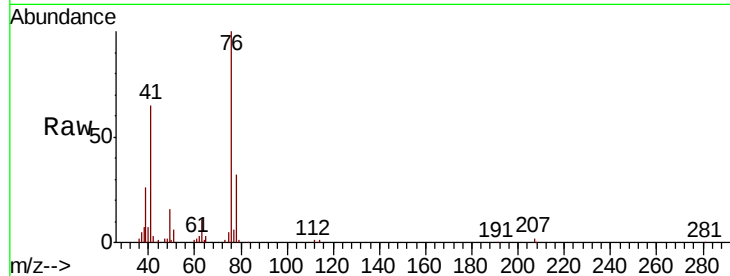
ClientSampled :

Tot Ion: 76 Resp: 71210

Ion Ratio Lower Upper

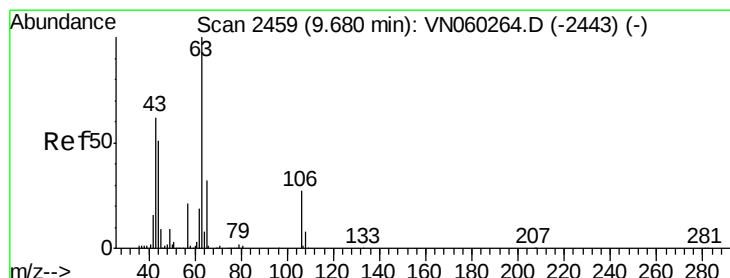
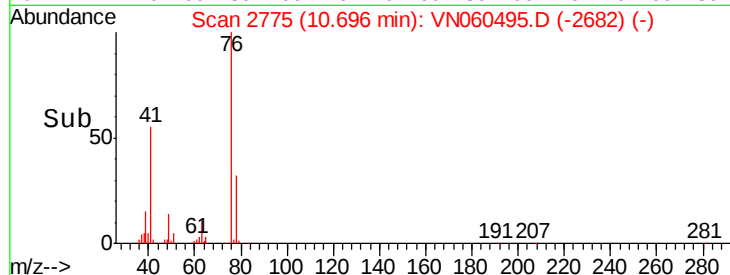
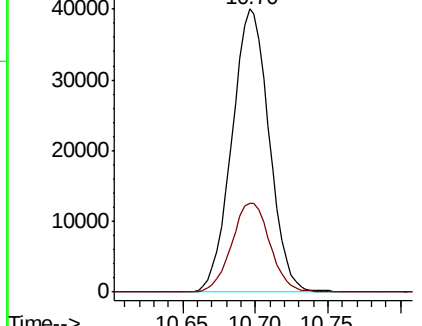
76 100

78 32.4 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN060264.D (-2760) (-)

Ion 77.90 (77.60 to 78.60): VN060264.D (-2760) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 91.236 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060495.D

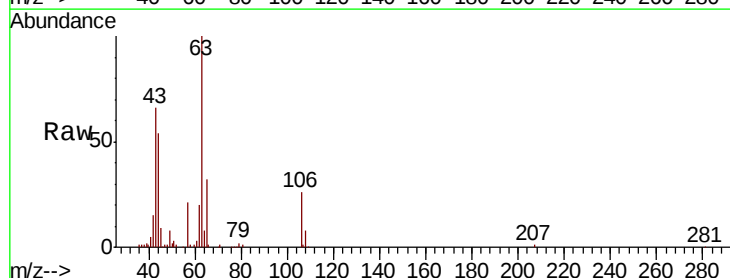
Acq: 13 Mar 2020 12:25

Tgt Ion: 63 Resp: 152422

Ion Ratio Lower Upper

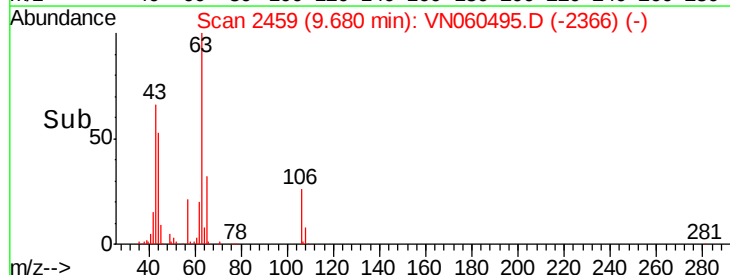
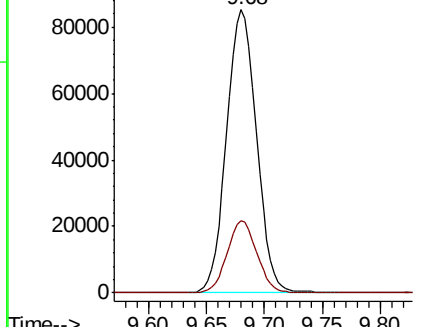
63 100

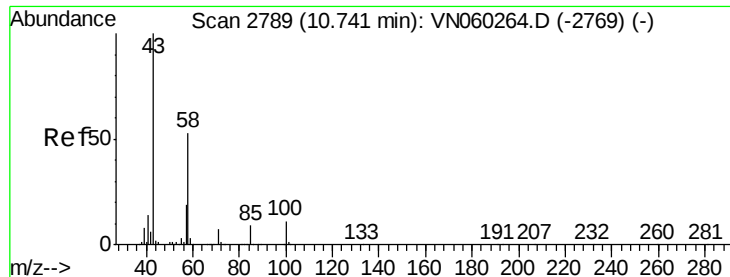
106 25.1 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN060264.D (-2443) (-)

Ion 105.90 (105.60 to 106.60): VN060264.D (-2443) (-)

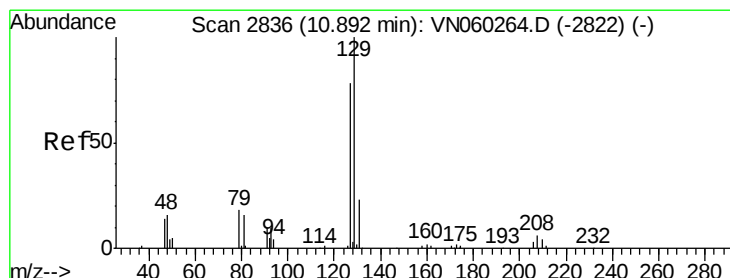
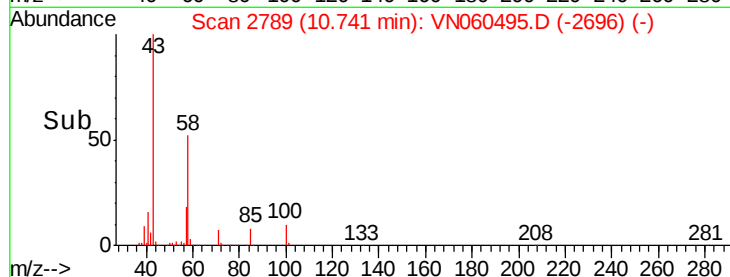
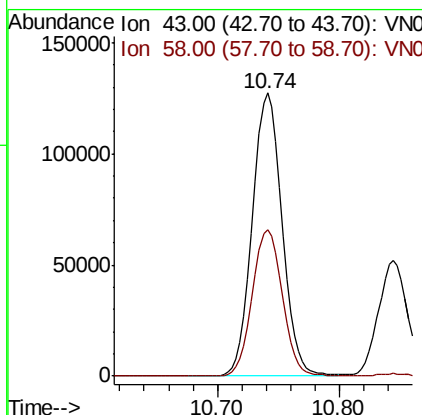
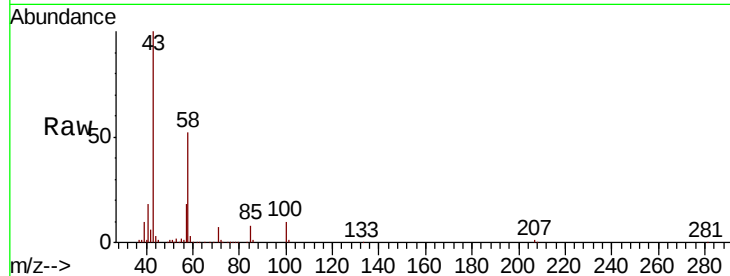




#59
2-Hexanone
Concen: 102.399 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

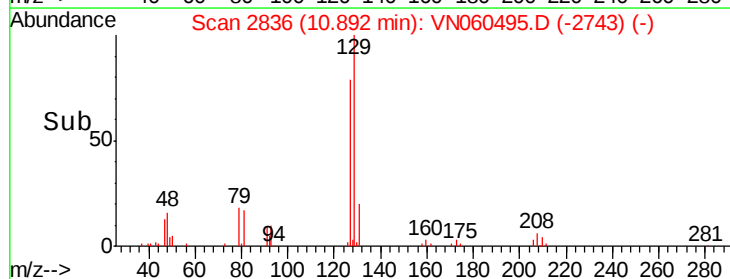
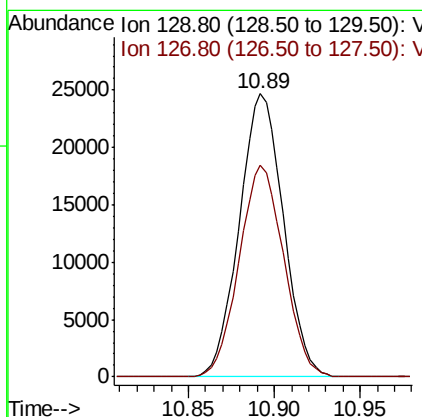
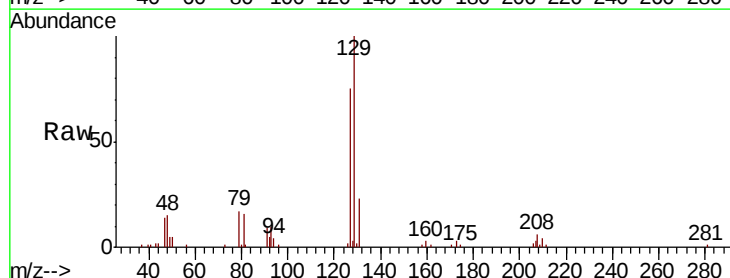
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 213691
Ion Ratio Lower Upper
43 100
58 52.3 26.5 79.5



#60
Dibromochloromethane
Concen: 19.423 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Tgt Ion: 129 Resp: 43919
Ion Ratio Lower Upper
129 100
127 75.5 38.9 116.7

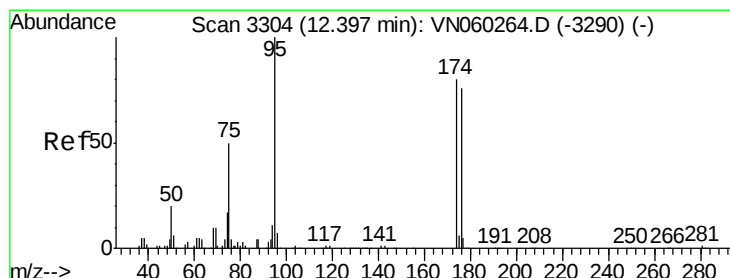
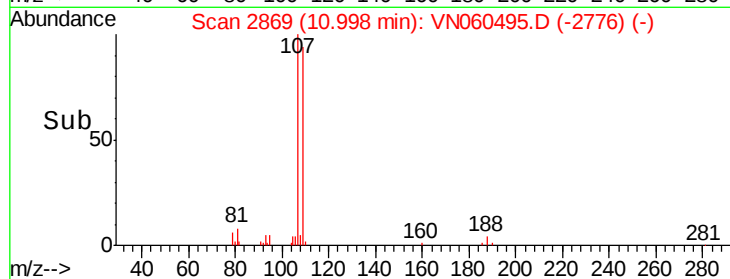
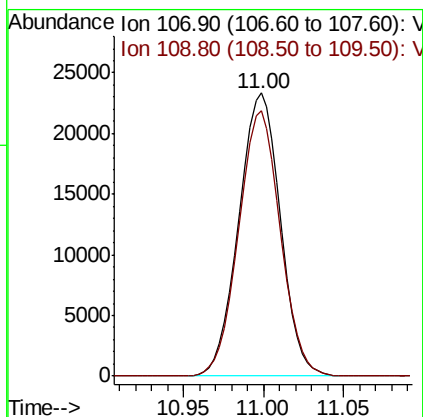
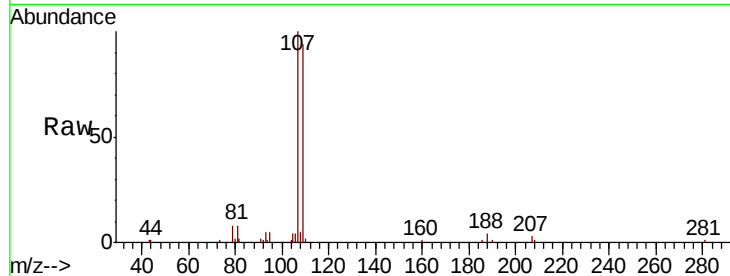




#61
 1,2-Dibromoethane
 Concen: 19.094 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

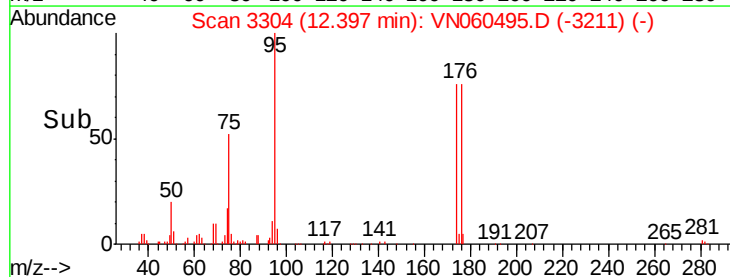
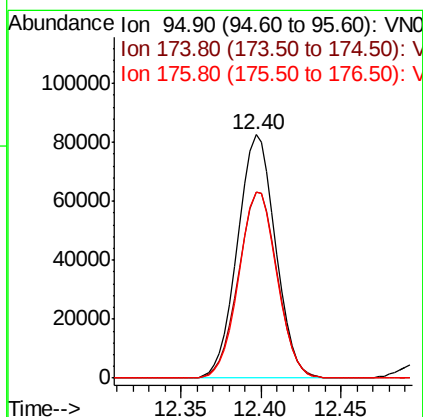
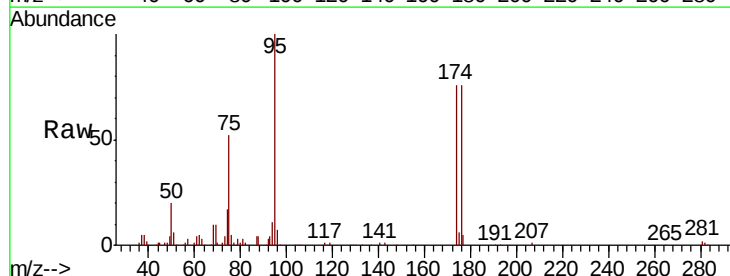
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 107 Resp: 41385
 Ion Ratio Lower Upper
 107 100
 109 93.8 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 47.185 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

Tgt Ion: 95 Resp: 133330
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 159.2
 176 76.8 0.0 153.8

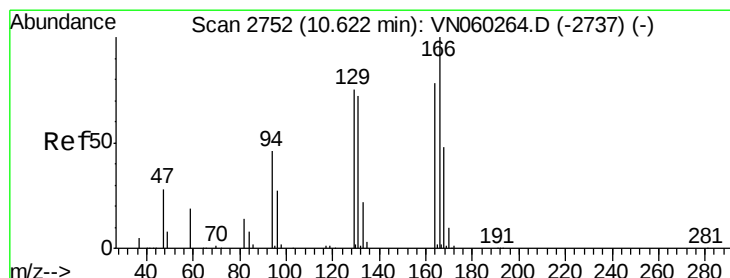
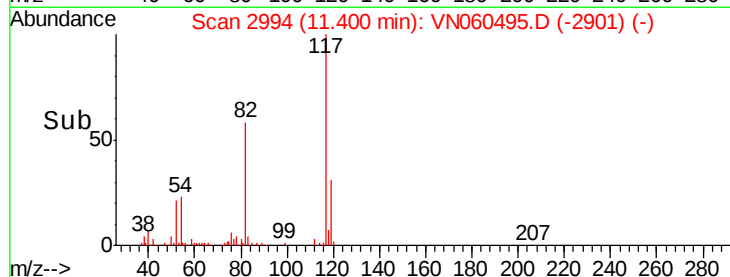
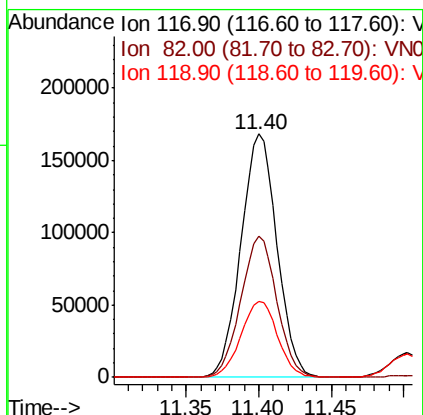
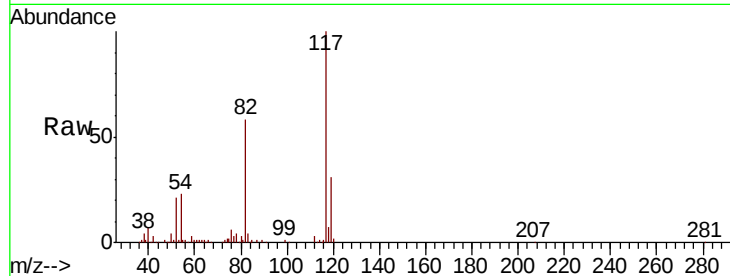




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

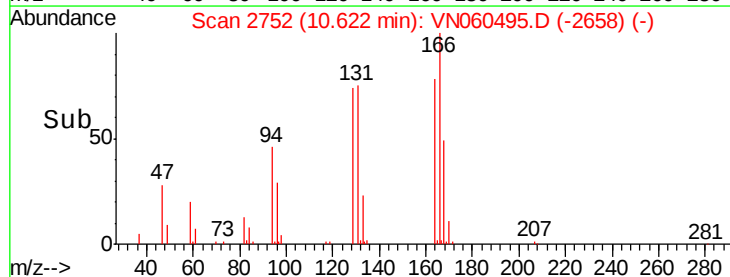
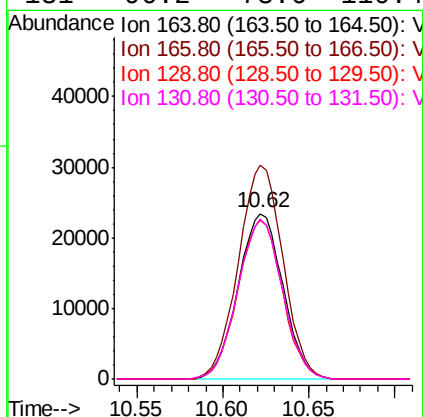
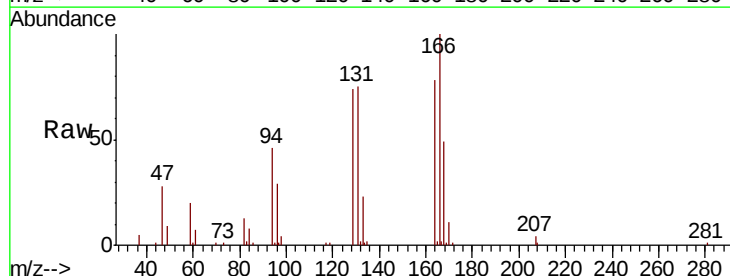
Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.8	68.6
119	31.3	25.8	38.8



#64
Tetrachloroethene
Concen: 17.565 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	102.0	153.0
129	95.9	76.4	114.6
131	96.2	73.6	110.4





#65

Chlorobenzene

Concen: 17.966 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

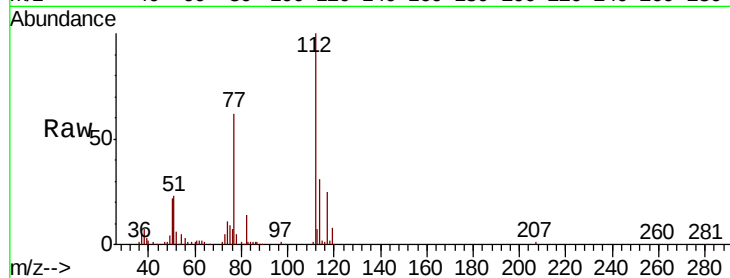
ClientSampleId :

Tot Ion:112 Resp: 105678

Ion Ratio Lower Upper

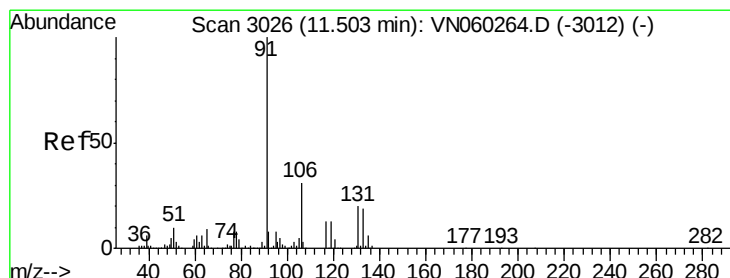
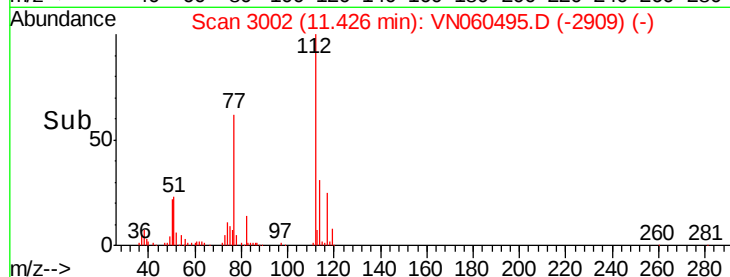
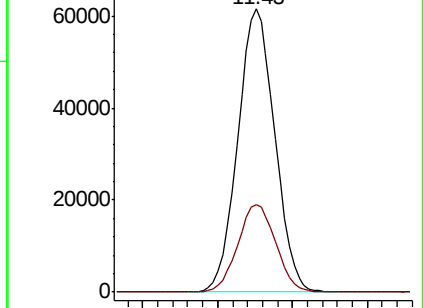
112 100

114 31.0 25.4 38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.882 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

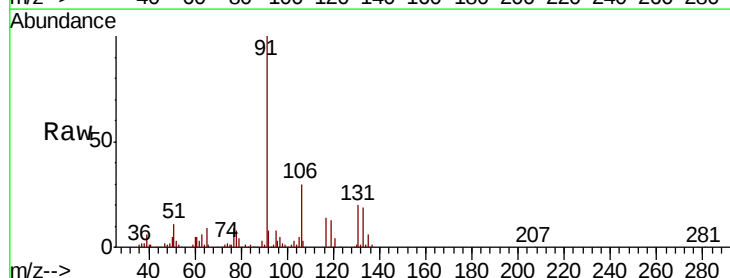
Tgt Ion:131 Resp: 41065

Ion Ratio Lower Upper

131 100

133 95.9 47.7 143.1

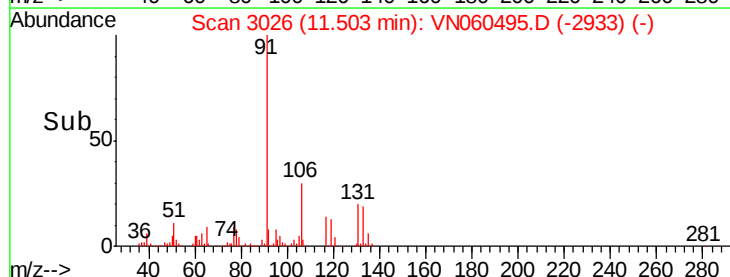
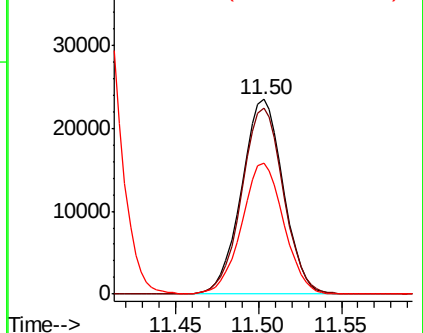
119 67.6 33.2 99.6

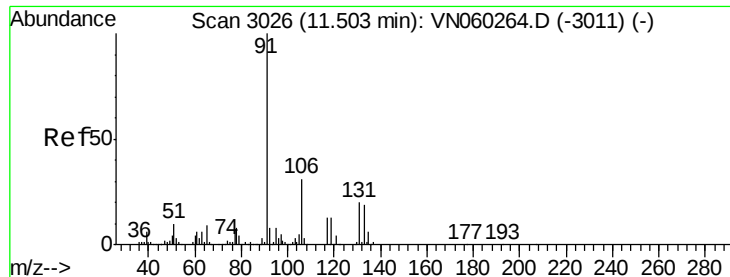


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.367 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

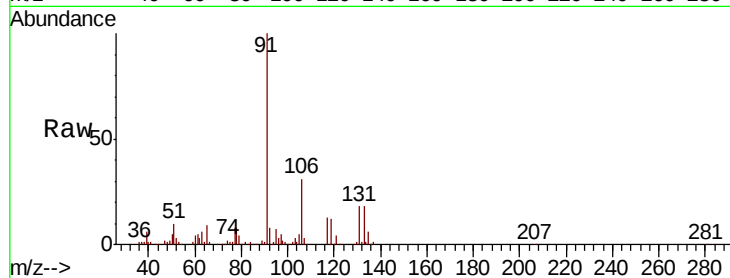
ClientSampled :

Tot Ion: 91 Resp: 196737

Ion Ratio Lower Upper

91 100

106 30.6 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN060264.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN060264.D (-3011) (-)

150000

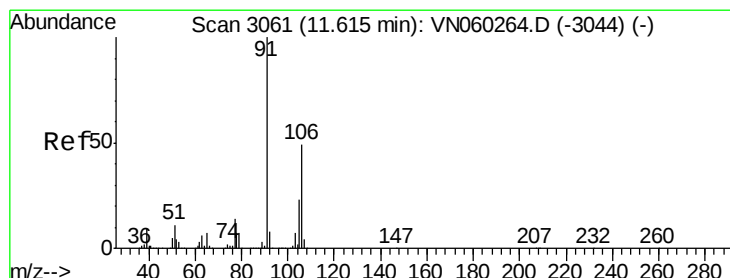
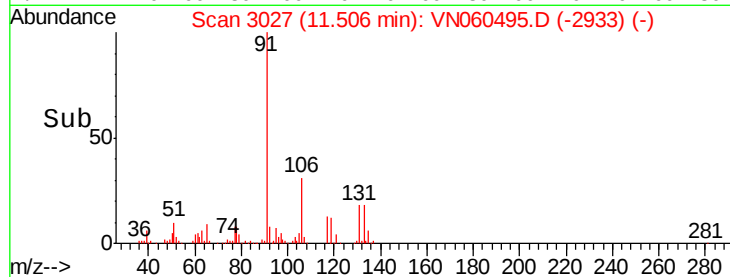
110000

50000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 35.386 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060495.D

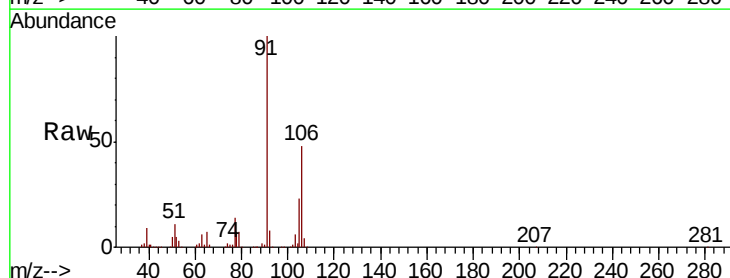
Acq: 13 Mar 2020 12:25

Tgt Ion: 106 Resp: 143011

Ion Ratio Lower Upper

106 100

91 210.4 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): VN060264.D (-3044) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-3044) (-)

150000

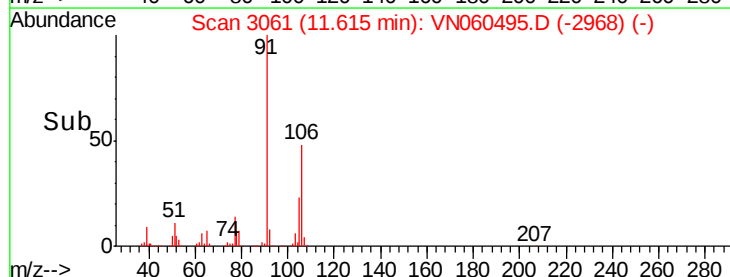
100000

50000

0

11.60 11.62 11.70

Time-->

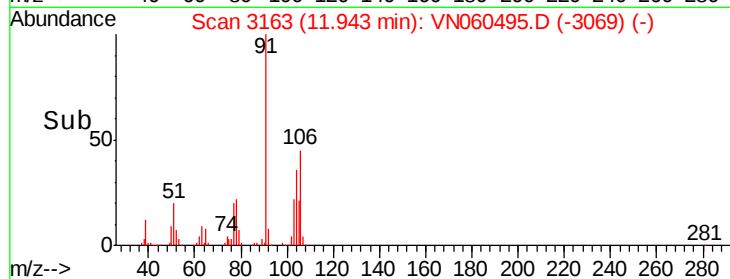
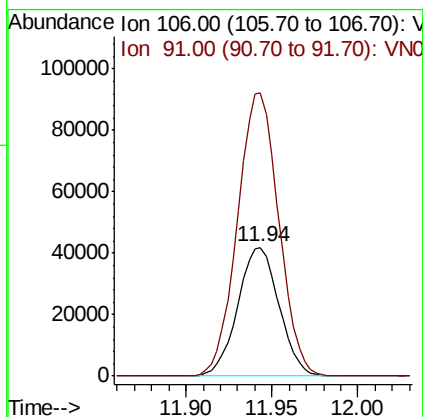
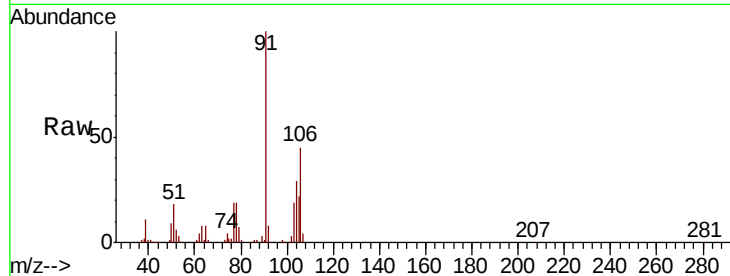




#69
o-Xylene
Concen: 18.138 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

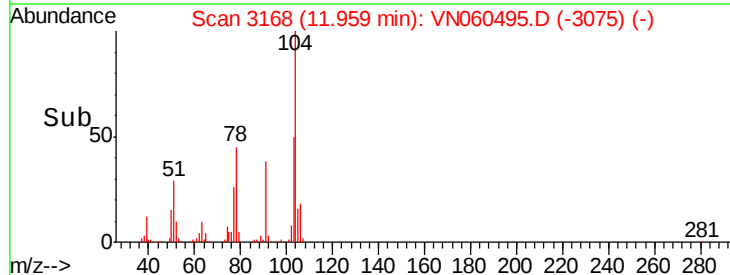
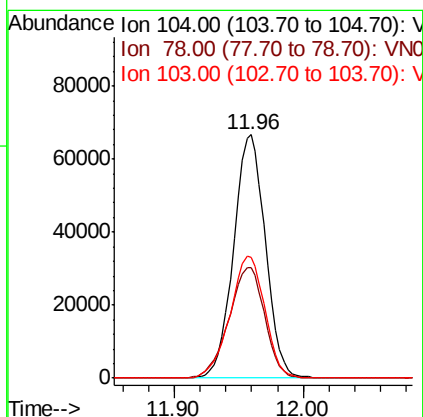
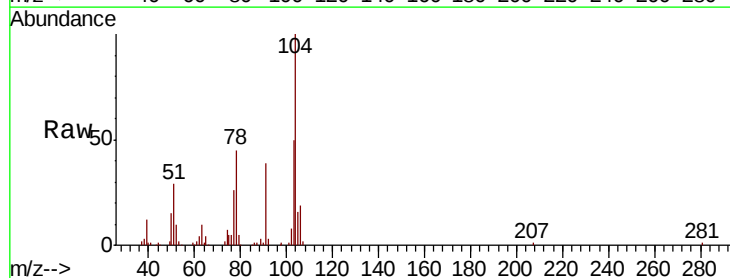
Instrument :
MSVOA_N
ClientSampled :

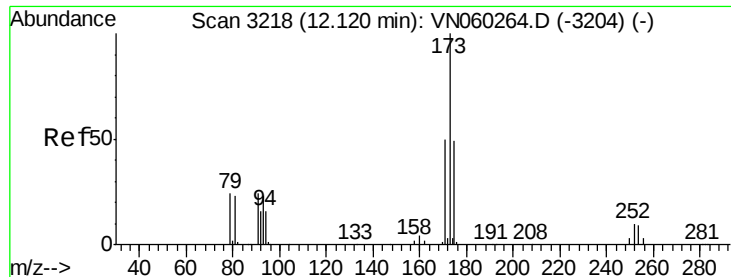
Tot Ion:106 Resp: 69903
Ion Ratio Lower Upper
106 100
91 220.3 109.5 328.4



#70
Styrene
Concen: 18.020 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Tgt Ion:104 Resp: 114176
Ion Ratio Lower Upper
104 100
78 51.1 41.2 61.8
103 54.7 43.9 65.9





#71

Bromoform

Concen: 19.268 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

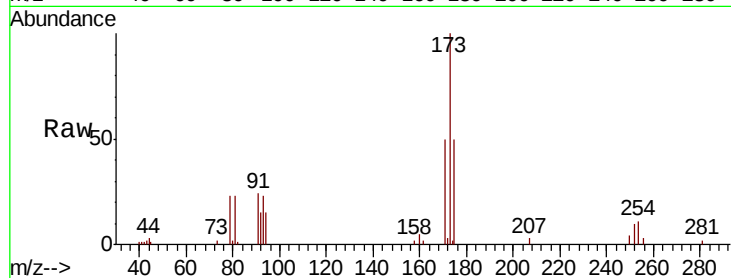
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:173 Resp: 30201

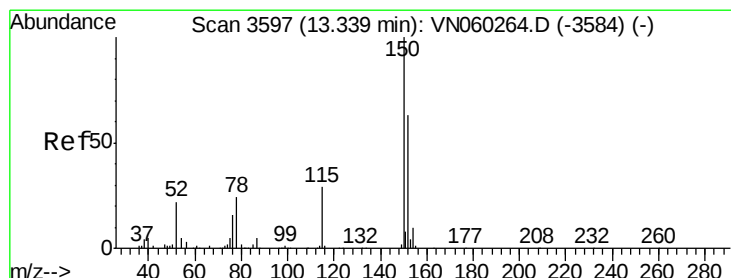
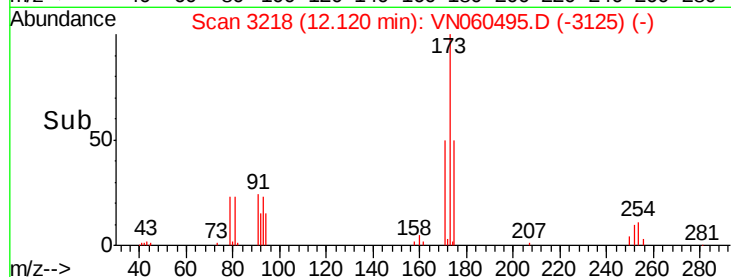
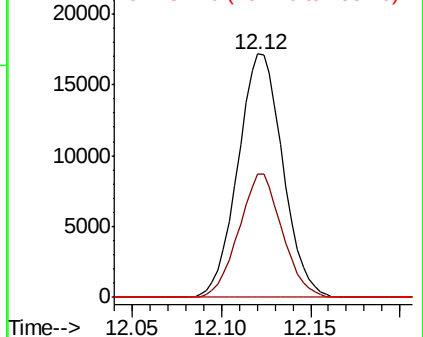
Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.2
254	0.0	0.0	0.0



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

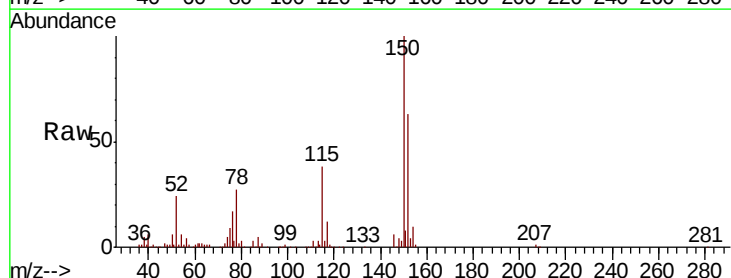
Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Tgt Ion:152 Resp: 138321

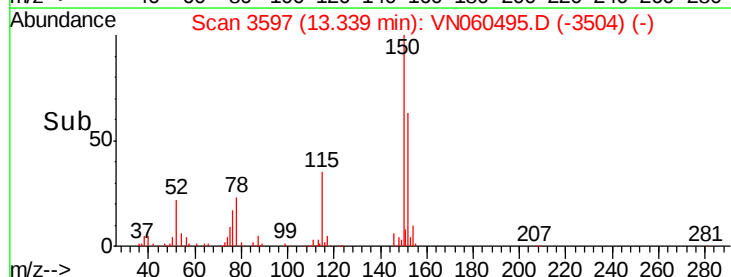
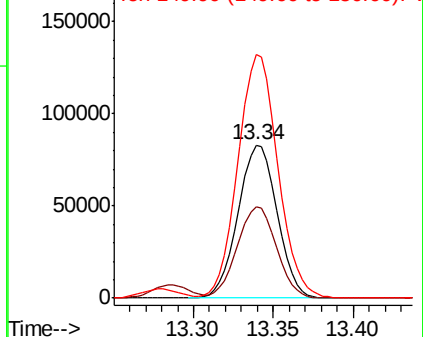
Ion	Ratio	Lower	Upper
152	100		
115	60.0	30.0	90.0
150	163.0	0.0	349.6

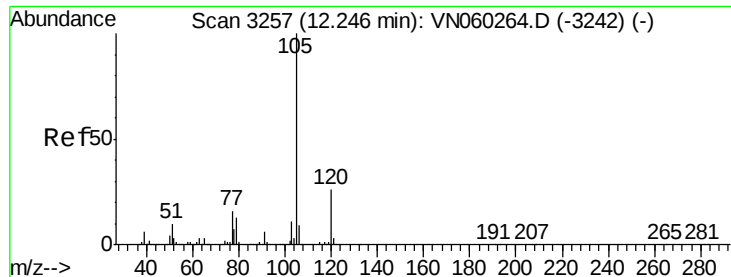


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.543 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

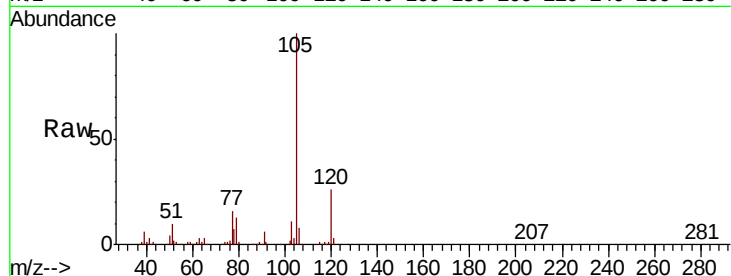
ClientSampled :

Tot Ion:105 Resp: 190104

Ion Ratio Lower Upper

105 100

120 25.9 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

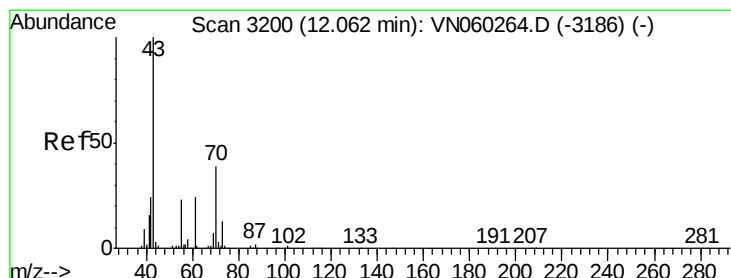
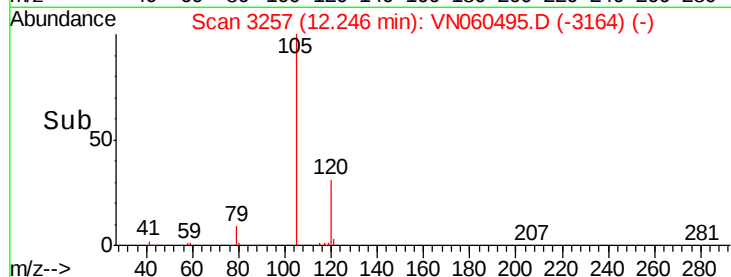
100000

50000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.430 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Tgt Ion: 43 Resp: 87044

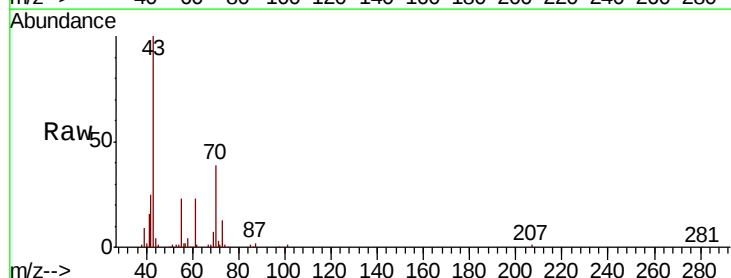
Ion Ratio Lower Upper

43 100

70 39.0 32.2 48.2

55 23.2 18.2 27.4

61 23.1 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

80000

60000

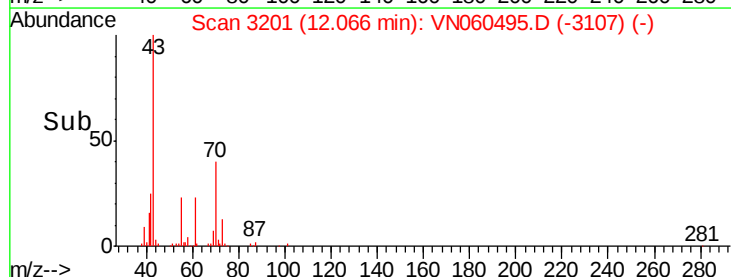
40000

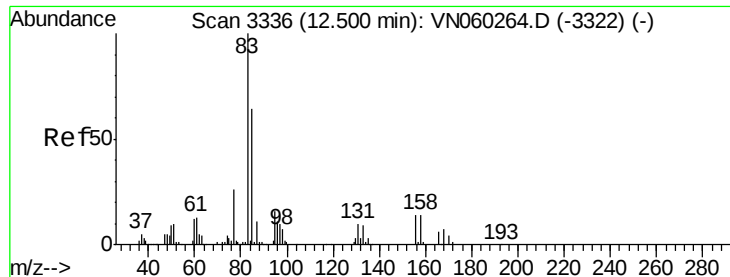
20000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 21.337 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

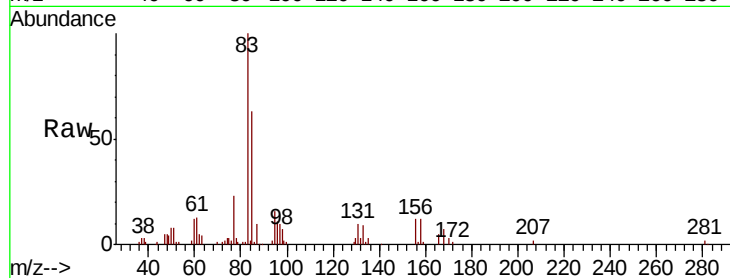
Tot Ion: 83 Resp: 59463

Ion Ratio Lower Upper

83 100

131 9.5 5.1 15.3

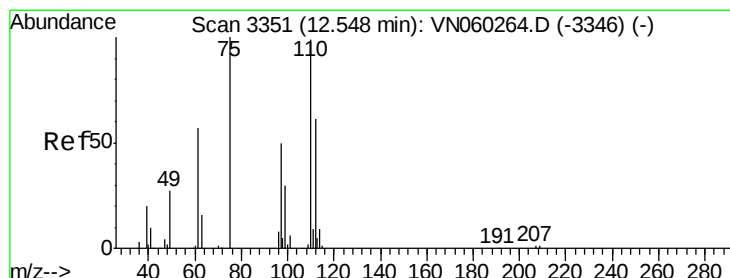
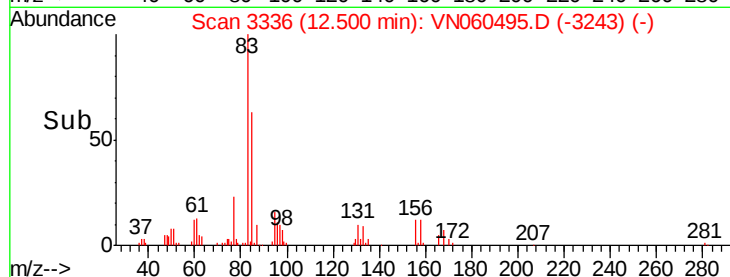
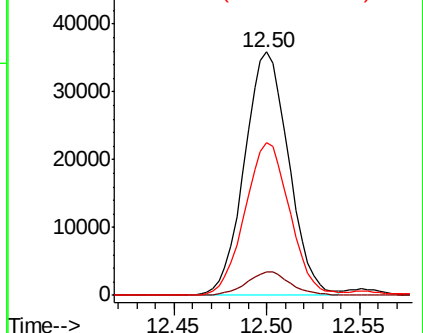
85 63.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN060495.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060495.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060495.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 26.260 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN060495.D

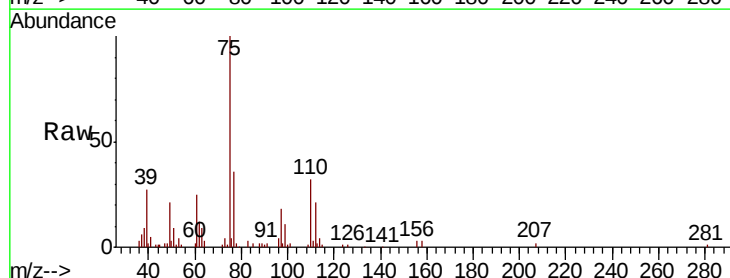
Acq: 13 Mar 2020 12:25

Tgt Ion: 75 Resp: 79694

Ion Ratio Lower Upper

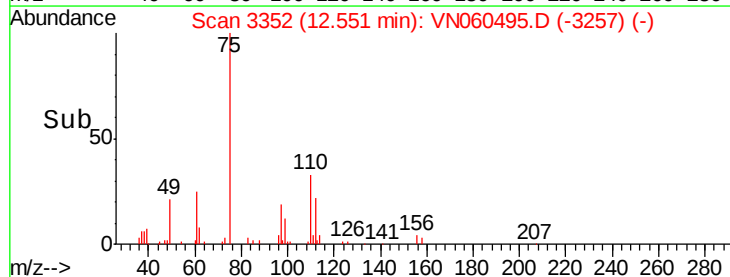
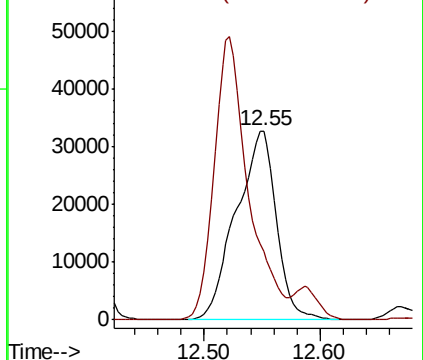
75 100

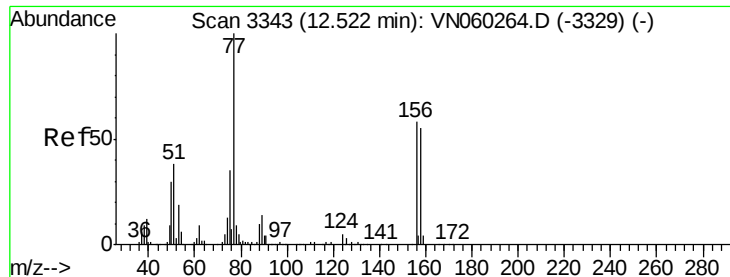
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060495.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060495.D (-3257) (-)





#77

Bromobenzene

Concen: 18.428 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

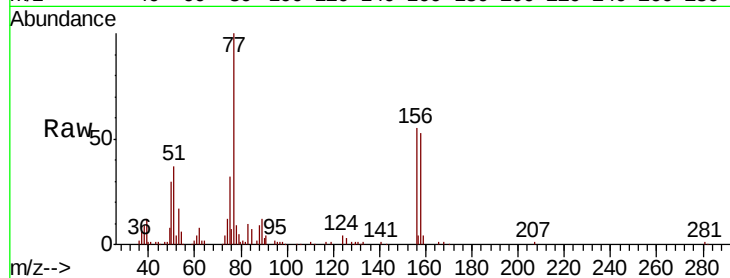
Tot Ion:156 Resp: 46312

Ion Ratio Lower Upper

156 100

77 218.4 106.1 318.3

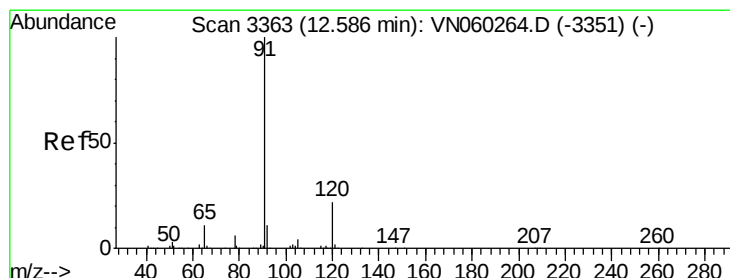
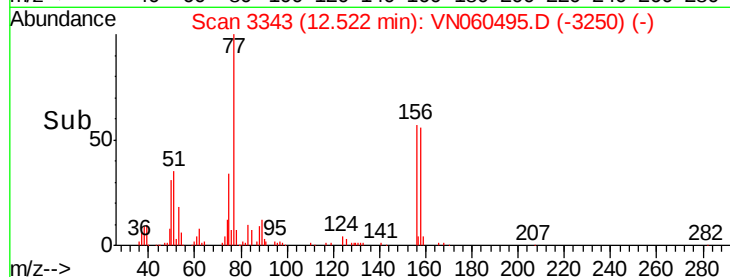
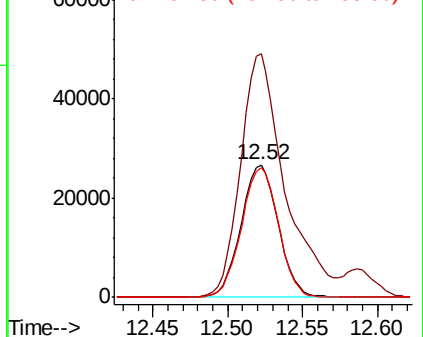
158 97.1 48.3 144.8



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: 18.441 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060495.D

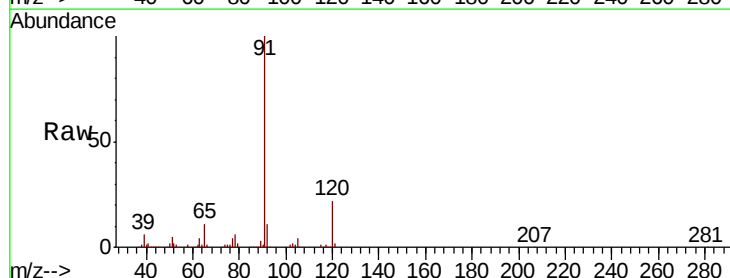
Acq: 13 Mar 2020 12:25

Tgt Ion: 91 Resp: 221610

Ion Ratio Lower Upper

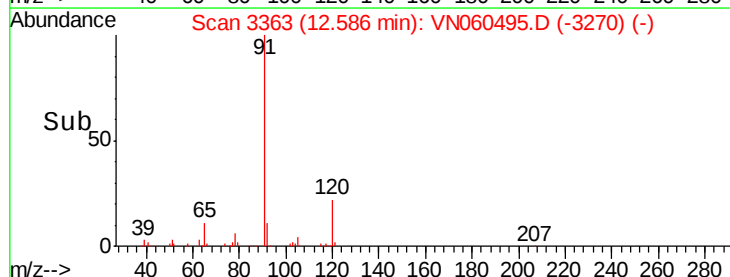
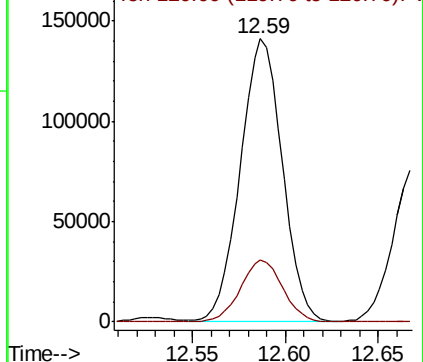
91 100

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

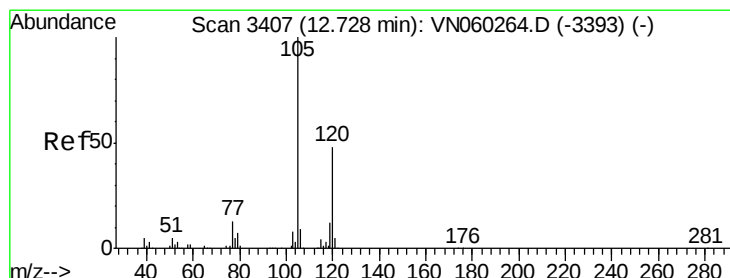
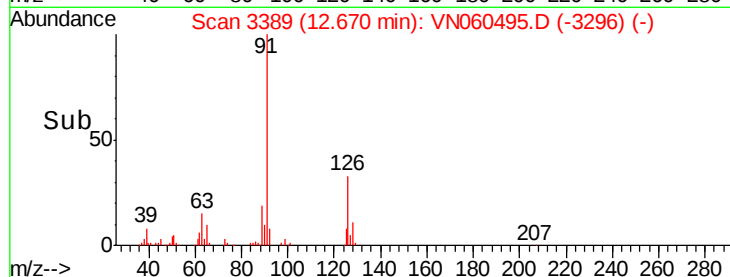
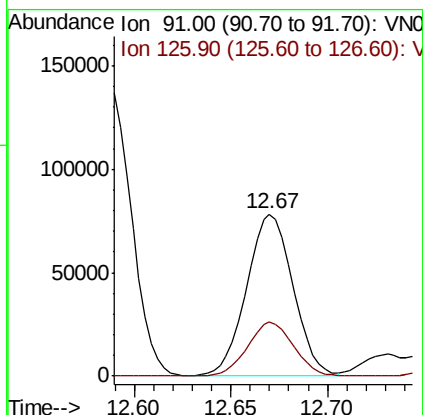
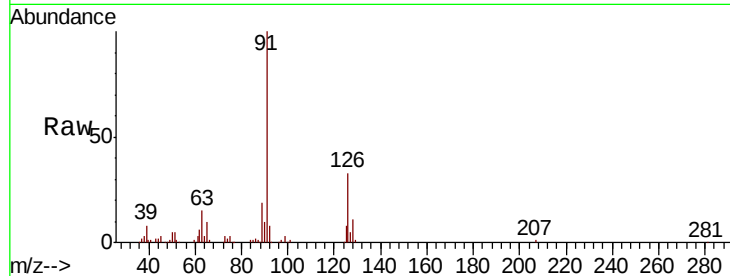




#79
 2-Chlorotoluene
 Concen: 18.417 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

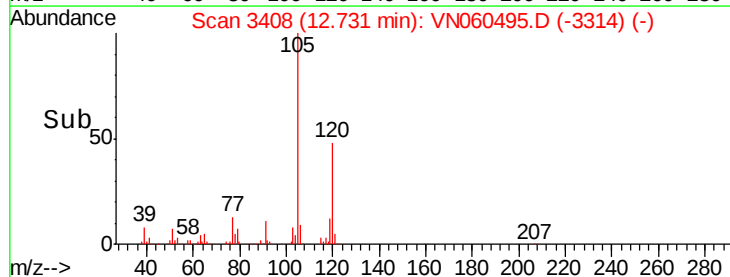
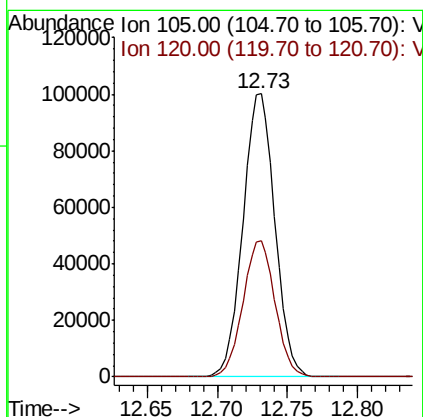
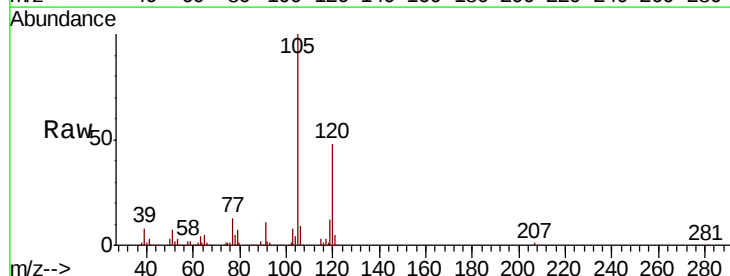
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 91 Resp: 130099
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 18.426 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

Tgt Ion: 105 Resp: 159048
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.4

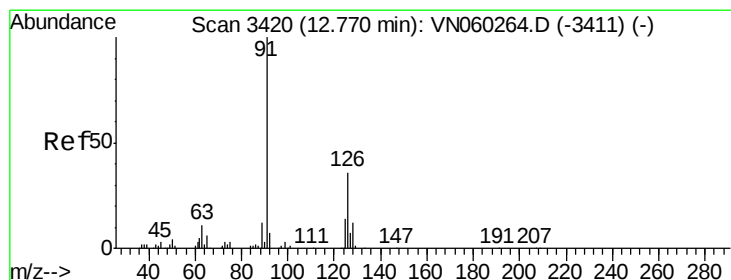
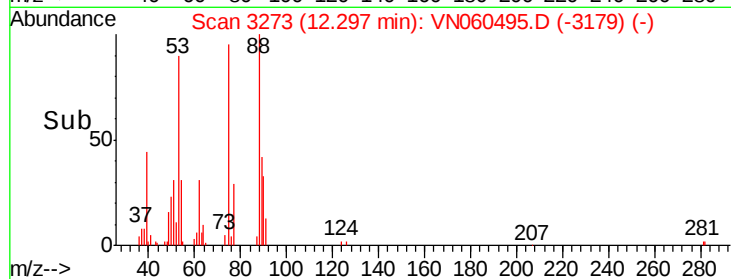
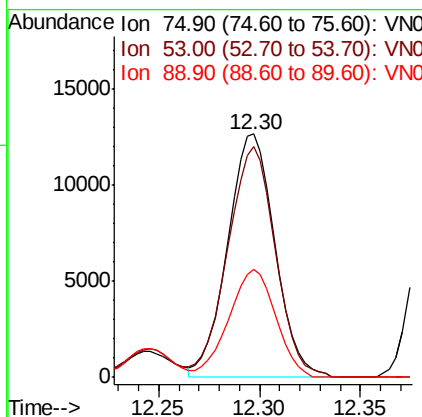
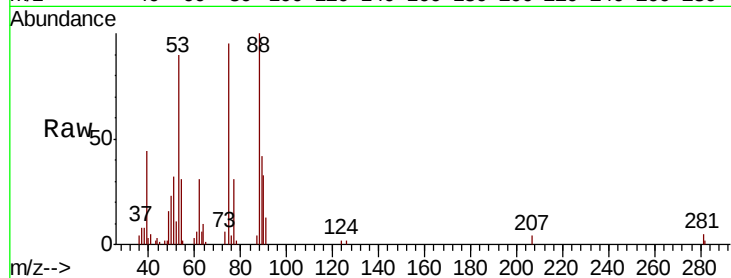




#81
trans-1,4-Dichloro-2-butene
Concen: 18.914 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

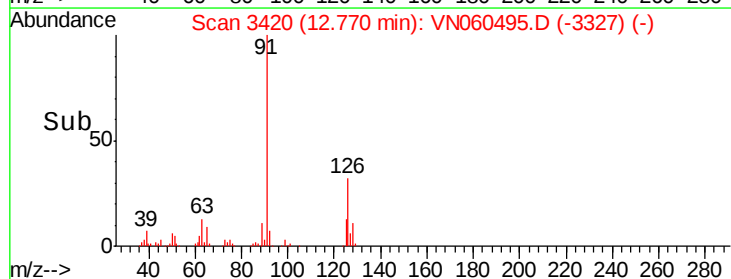
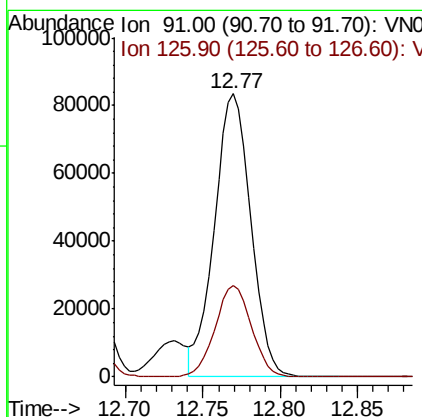
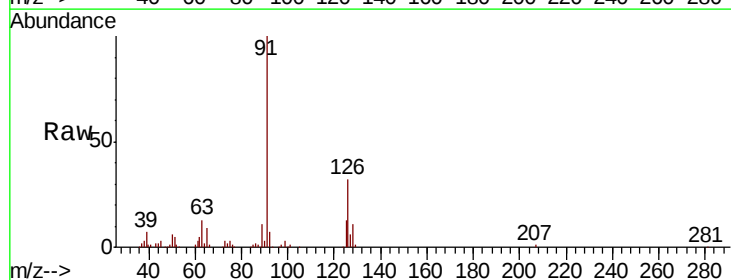
Instrument :
MSVOA_N
ClientSampleId :

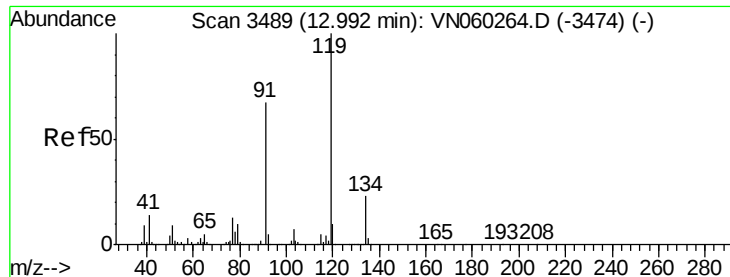
Tot Ion: 75 Resp: 20793
Ion Ratio Lower Upper
75 100
53 95.5 73.8 110.6
89 44.3 57.1 85.7#



#82
4-Chlorotoluene
Concen: 18.391 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Tgt Ion: 91 Resp: 136879
Ion Ratio Lower Upper
91 100
126 32.1 16.7 50.1





#83

tert-Butylbenzene

Concen: 17.943 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN060495.D

Acq: 13 Mar 2020 12:25

Instrument :

MSVOA_N

ClientSampled :

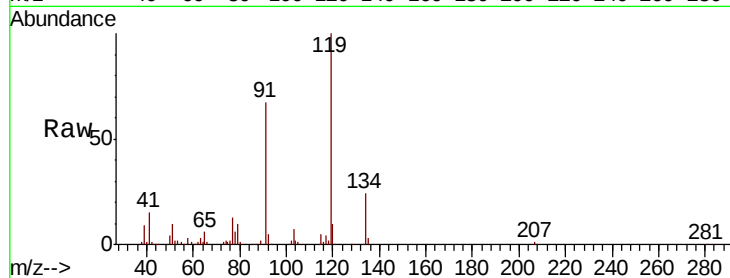
Tot Ion:119 Resp: 134096

Ion Ratio Lower Upper

119 100

91 67.5 33.1 99.2

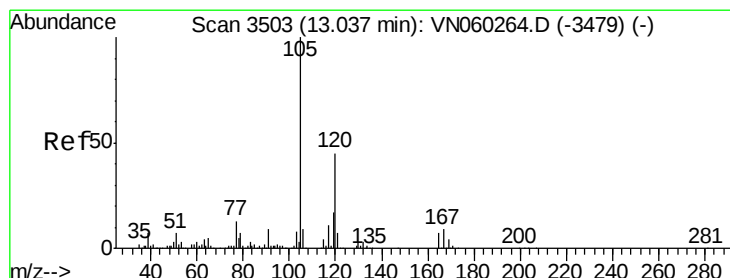
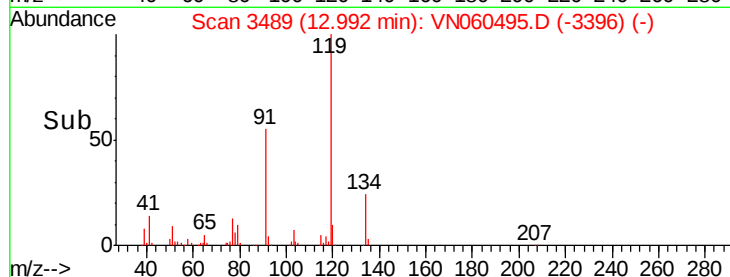
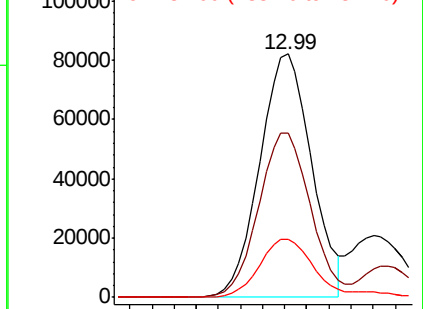
134 26.0 12.4 37.0



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: 18.460 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060495.D

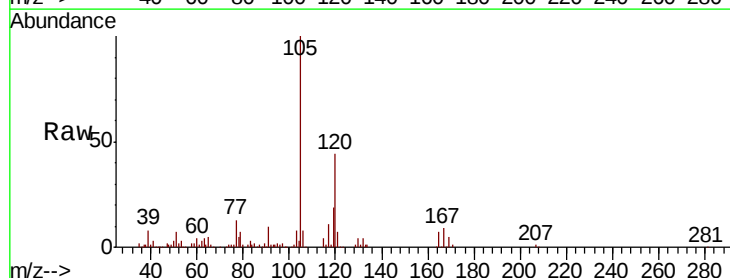
Acq: 13 Mar 2020 12:25

Tgt Ion:105 Resp: 160830

Ion Ratio Lower Upper

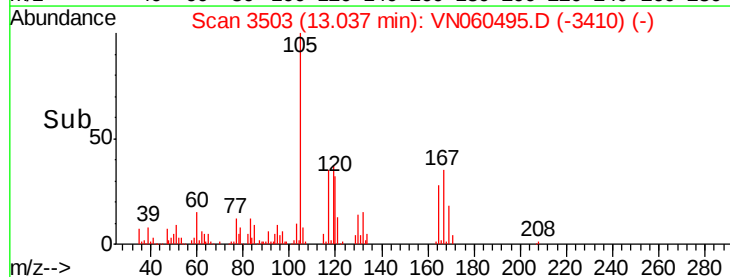
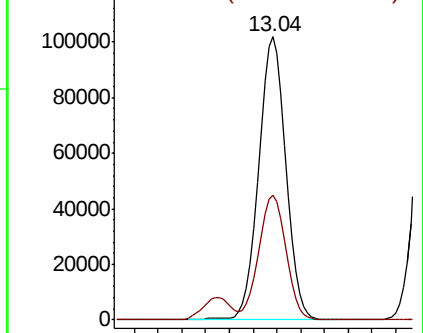
105 100

120 44.3 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

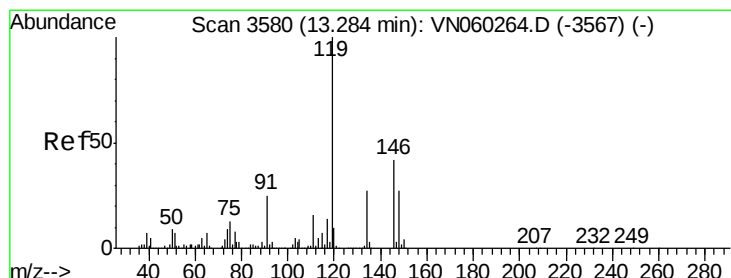
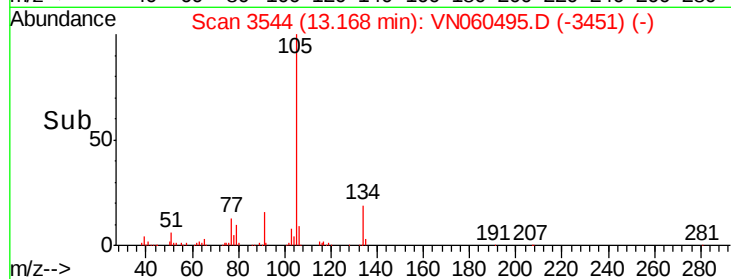
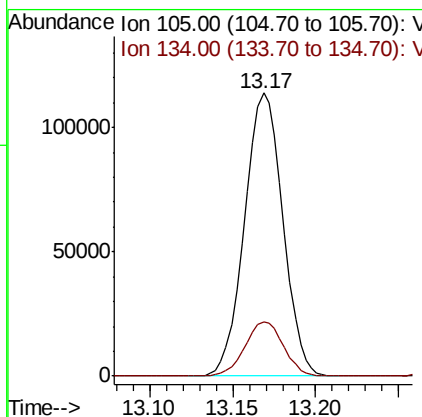
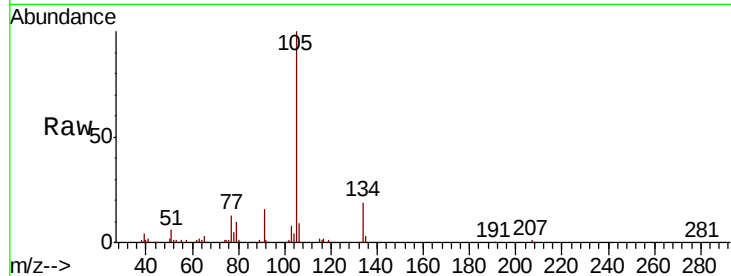




#85
 sec-Butylbenzene
 Concen: 18.260 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

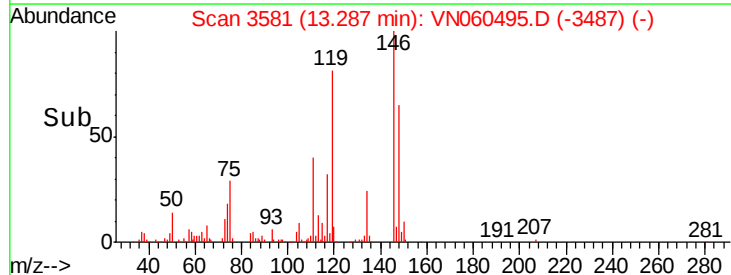
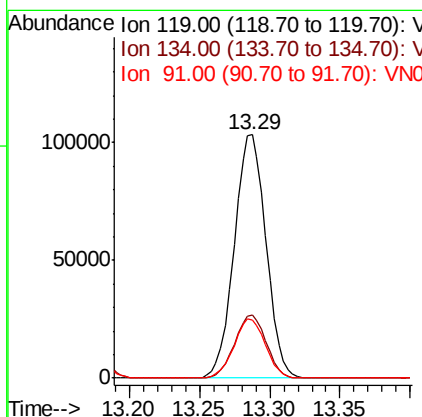
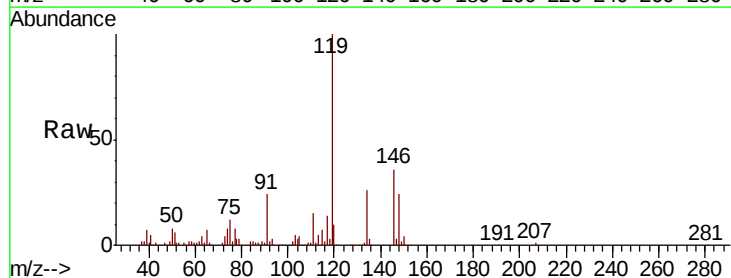
Instrument :
 MSVOA_N
 ClientSampled :

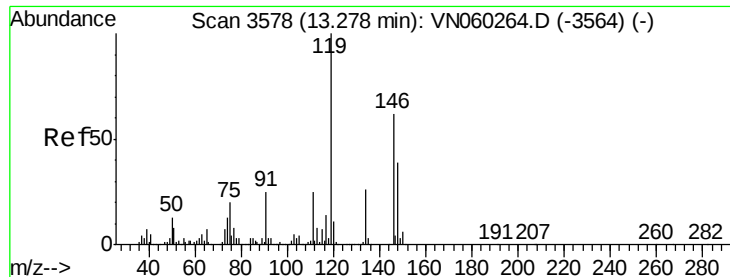
Tot Ion:105 Resp: 182744
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 17.625 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

Tgt Ion:119 Resp: 163253
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.2 39.6
 91 24.3 12.2 36.6

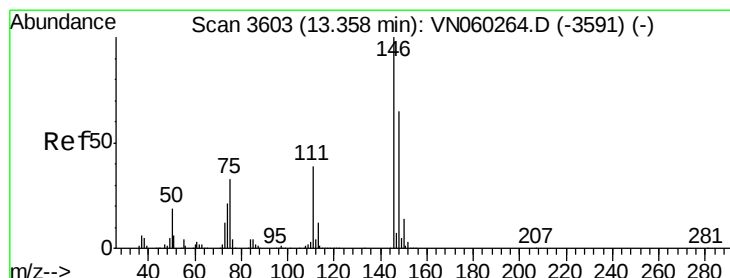
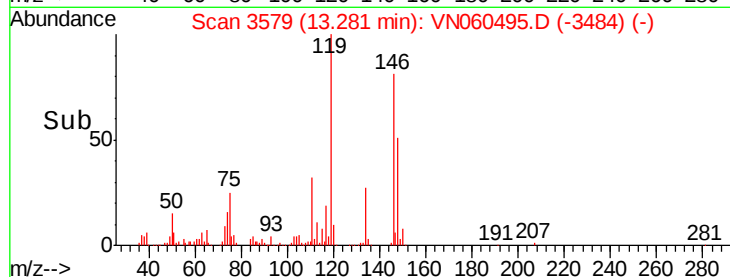
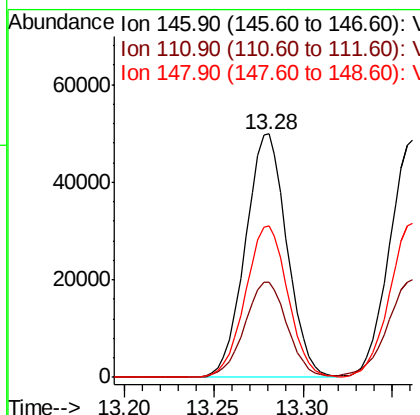
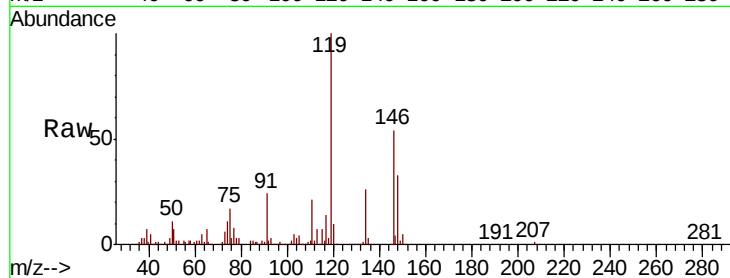




#87
 1,3-Dichlorobenzene
 Concen: 18.745 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

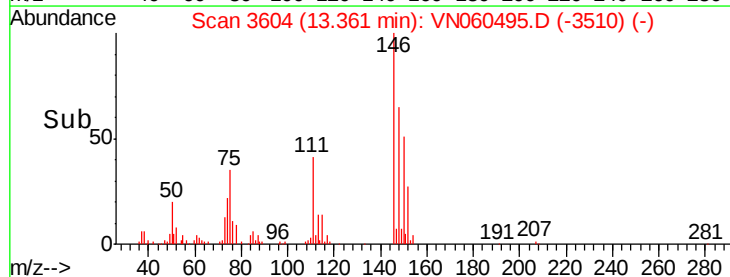
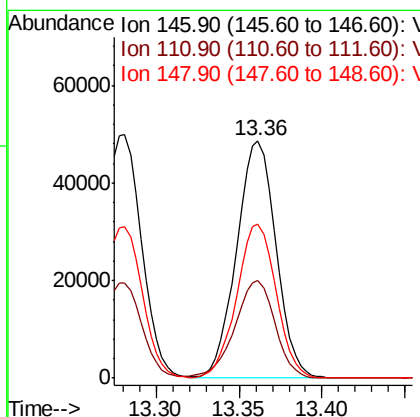
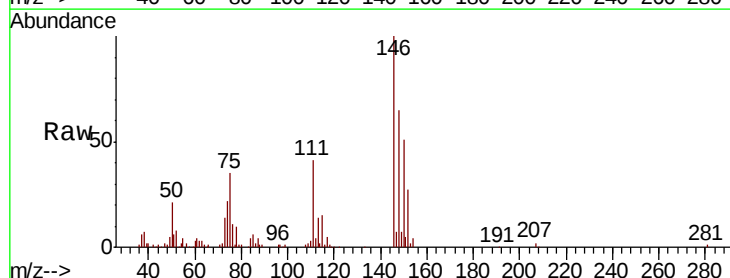
Instrument :
 MSVOA_N
 ClientSampleId :

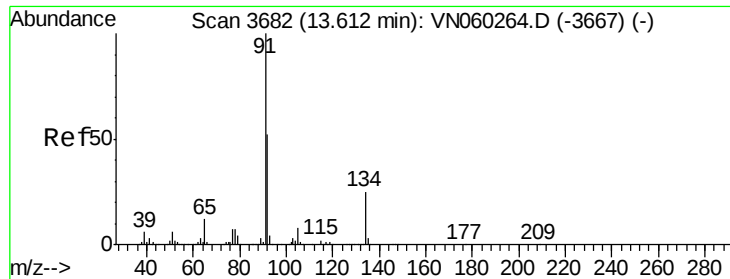
Tot Ion:146 Resp: 81456
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.0 59.9
 148 63.3 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 18.558 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

Tgt Ion:146 Resp: 80615
 Ion Ratio Lower Upper
 146 100
 111 41.9 19.8 59.4
 148 64.8 32.3 96.9

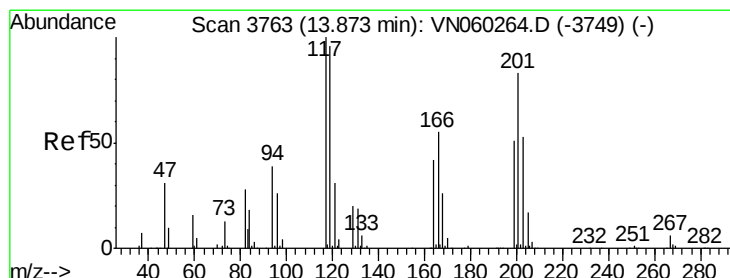
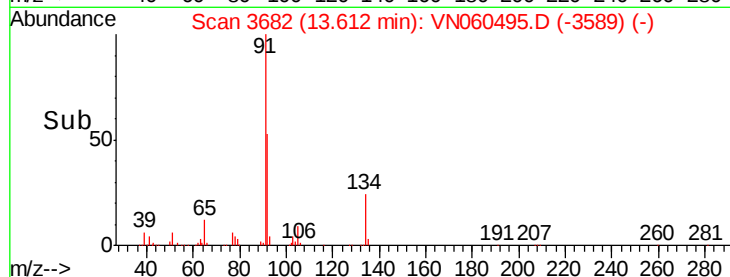
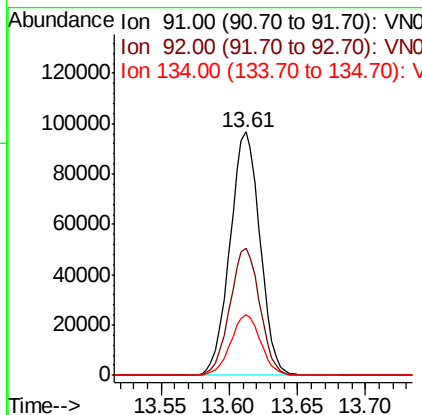
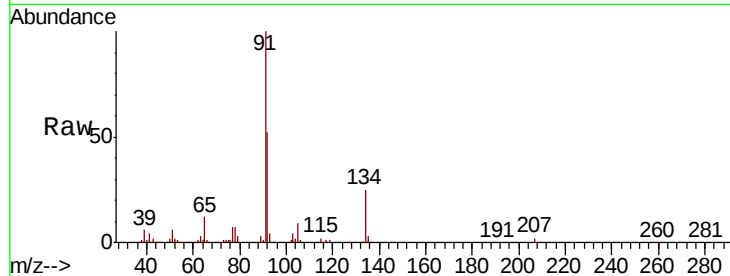




#89
n-Butylbenzene
Concen: 17.366 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

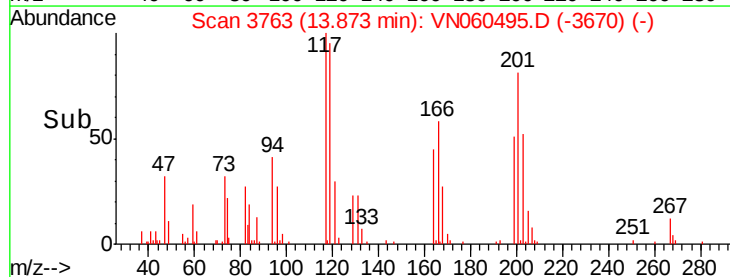
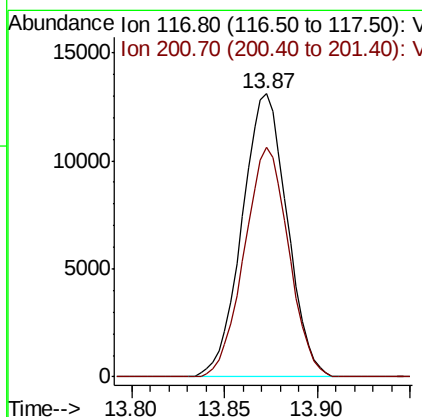
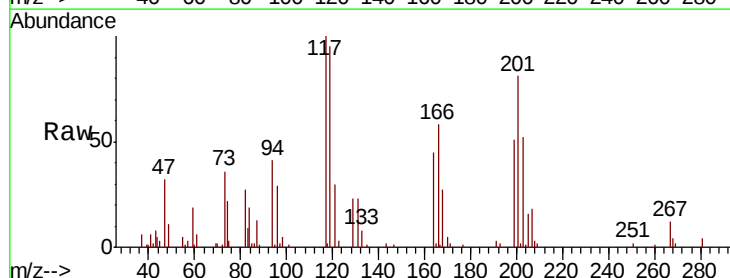
Instrument :
MSVOA_N
ClientSampleId :

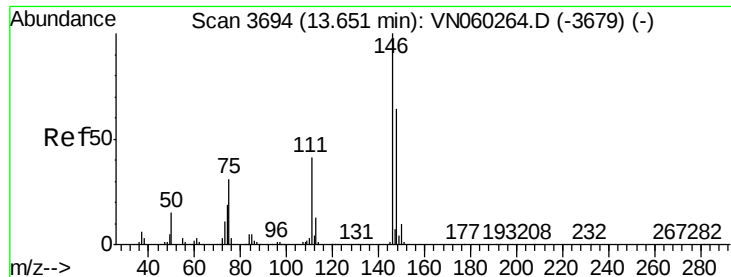
Tot Ion: 91 Resp: 147660
Ion Ratio Lower Upper
91 100
92 51.9 26.0 78.0
134 24.7 12.7 38.1



#90
Hexachloroethane
Concen: 16.479 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Tgt Ion: 117 Resp: 22095
Ion Ratio Lower Upper
117 100
201 79.7 41.0 123.0

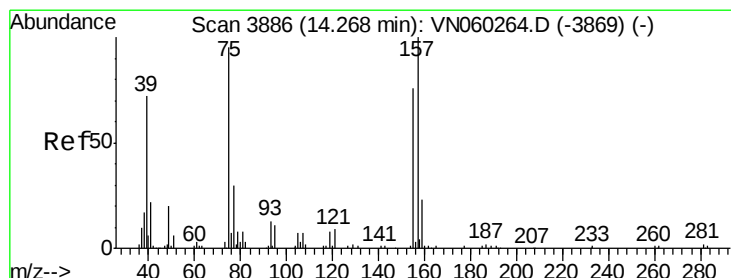
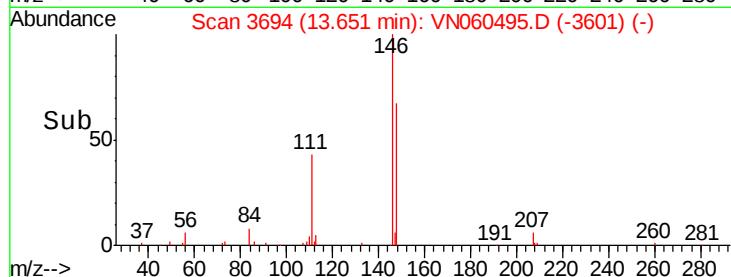
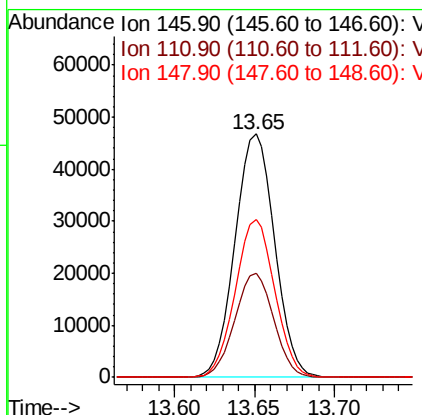
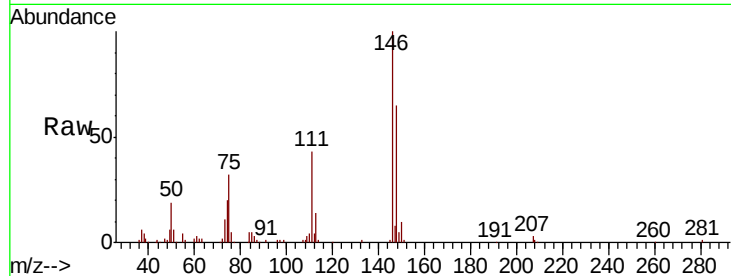




#91
 1,2-Dichlorobenzene
 Concen: 17.899 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

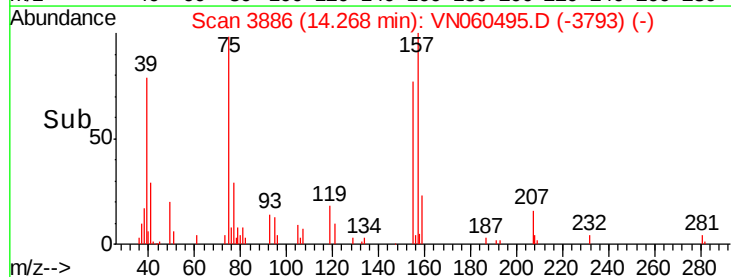
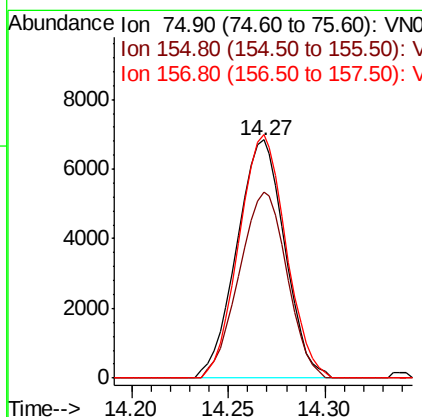
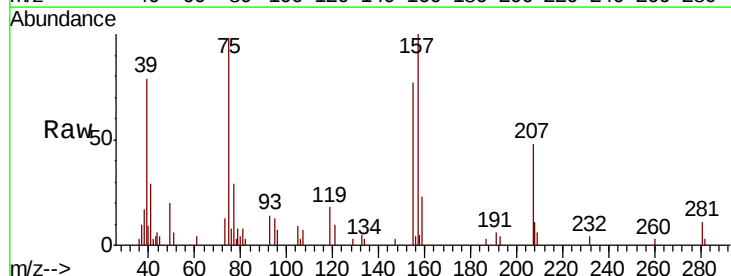
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.3	61.0
148	64.2	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.688 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.1	40.4	121.2
157	100.2	52.5	157.5

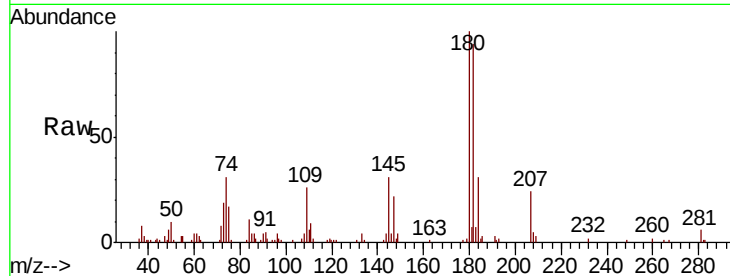




#93
 1,2,4-Trichlorobenzene
 Concen: 17.285 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.3
145	31.1	15.4	46.1

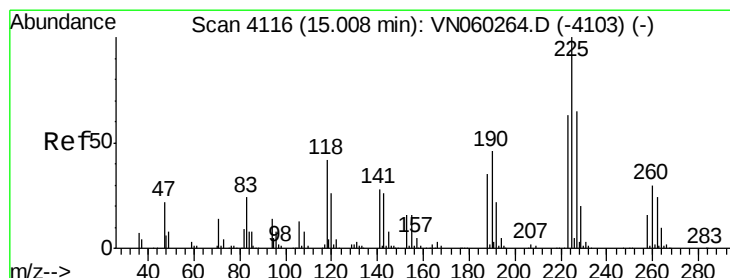
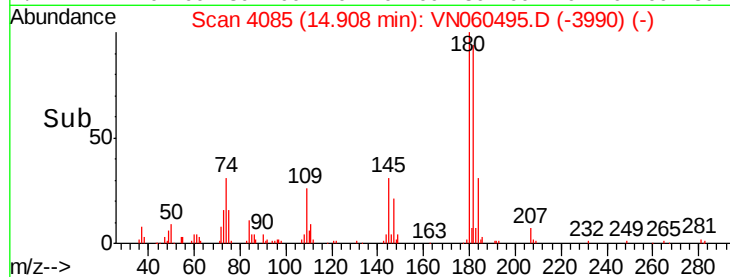
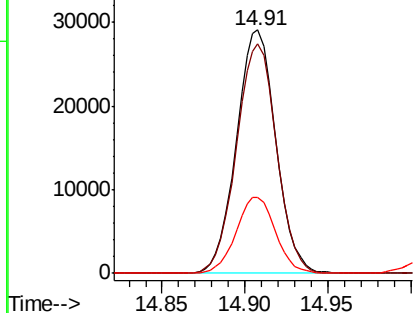


Abundance

Ion 179.80 (179.50 to 180.50): V

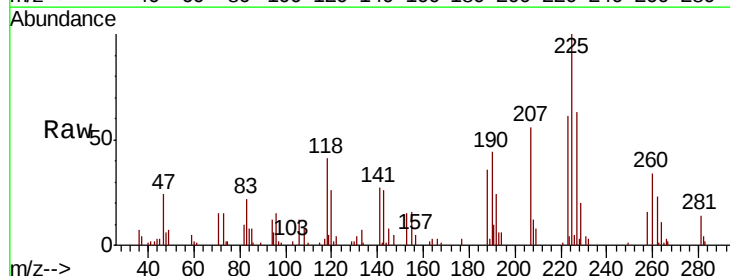
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.323 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060495.D
 Acq: 13 Mar 2020 12:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.3	93.9
227	62.7	32.3	96.9

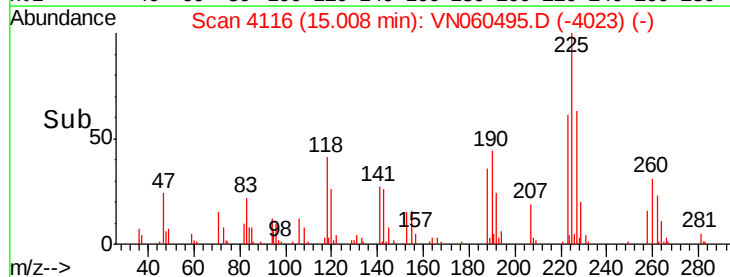
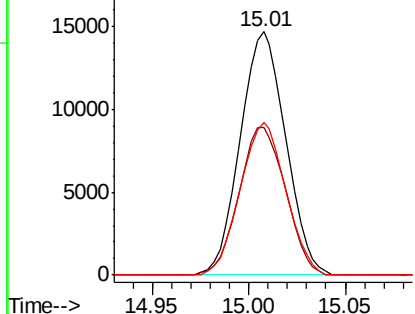


Abundance

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

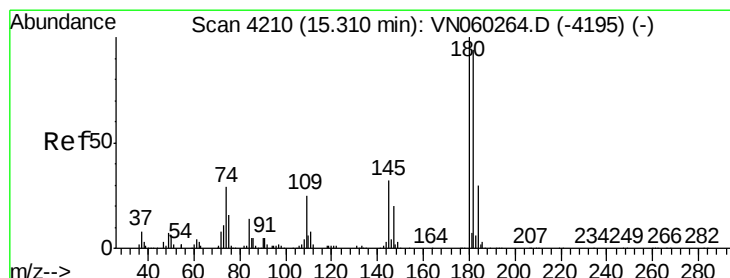
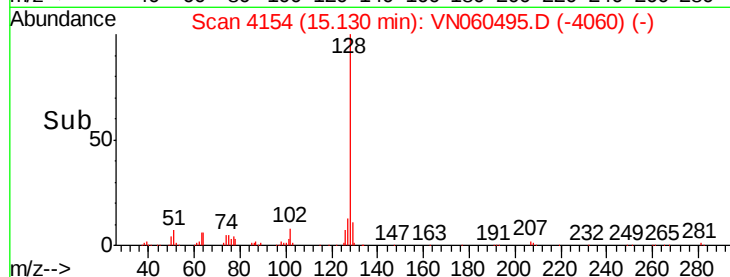
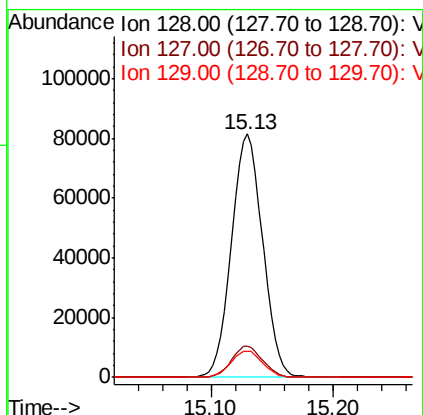
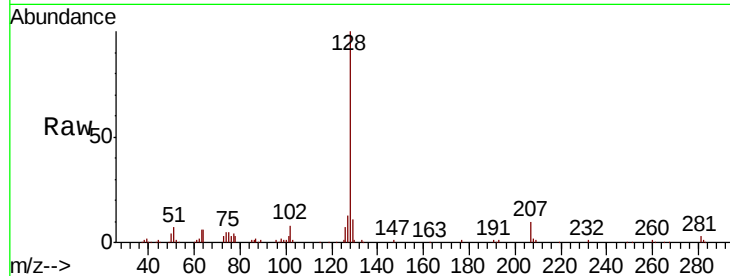




#95
Naphthalene
Concen: 17.413 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 144973
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 11.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.801 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060495.D
Acq: 13 Mar 2020 12:25

Tgt Ion:180 Resp: 47218
Ion Ratio Lower Upper
180 100
182 95.0 47.3 142.0
145 32.3 16.2 48.5

