

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031320\
 Data File : VN060492.D
 Acq On : 13 Mar 2020 11:17
 Operator : JC/MD
 Sample : VN0313MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Quant Time: Mar 16 04:26:06 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	191072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	312202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	288423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	137295	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	119689	48.82	ug/l	0.00
Spiked Amount						
			Recovery	=	97.64%	
35) Dibromofluoromethane	7.56	113	88847	61.31	ug/l	0.00
Spiked Amount						
			Recovery	=	122.62%	
50) Toluene-d8	10.08	98	340619	46.44	ug/l	0.00
Spiked Amount						
			Recovery	=	92.88%	
62) 4-Bromofluorobenzene	12.40	95	128231	46.12	ug/l	0.00
Spiked Amount						
			Recovery	=	92.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	24972	14.255	ug/l	100
3) Chloromethane	2.03	50	48687	15.963	ug/l	99
4) Vinyl Chloride	2.16	62	39131	14.960	ug/l	99
5) Bromomethane	2.54	94	17590	15.025	ug/l	98
6) Chloroethane	2.68	64	22654	15.985	ug/l	96
7) Trichlorofluoromethane	3.00	101	53542	16.021	ug/l	99
8) Diethyl Ether	3.38	74	22982	18.213	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	32957	17.425	ug/l	99
10) Methyl Iodide	3.93	142	22653	13.123	ug/l	98
11) Tert butyl alcohol	4.73	59	40063	110.059	ug/l	100
12) 1,1-Dichloroethene	3.72	96	31701	17.219	ug/l	97
13) Acrolein	3.58	56	33234	97.865	ug/l	98
14) Allyl chloride	4.29	41	61841	18.271	ug/l	98
15) Acrylonitrile	4.94	53	103013	107.364	ug/l	99
16) Acetone	3.78	43	87433	110.443	ug/l	99
17) Carbon Disulfide	4.03	76	73445	14.578	ug/l	100
18) Methyl Acetate	4.29	43	54396	20.590	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	127706	19.161	ug/l	97
20) Methylene Chloride	4.52	84	38692	17.796	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	34667	17.299	ug/l	98
22) Diisopropyl ether	5.91	45	135076	19.702	ug/l	95
23) Vinyl Acetate	5.86	43	539309	98.995	ug/l	99
24) 1,1-Dichloroethane	5.82	63	71648	18.462	ug/l	99
25) 2-Butanone	6.80	43	139164	108.831	ug/l	99
26) 2,2-Dichloropropane	6.79	77	61515	17.411	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	42267	16.766	ug/l	98
28) Bromochloromethane	7.17	49	31420	19.719	ug/l	97
29) Tetrahydrofuran	7.18	42	95476	107.374	ug/l	97
30) Chloroform	7.34	83	71885	18.607	ug/l	100
31) Cyclohexane	7.63	56	60891	17.515	ug/l #	96
32) 1,1,1-Trichloroethane	7.54	97	60656	17.721	ug/l	100
36) 1,1-Dichloropropene	7.77	75	49689	16.700	ug/l	99
37) Ethyl Acetate	6.90	43	59916	21.267	ug/l	99
38) Carbon Tetrachloride	7.75	117	47317	16.333	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031320\
 Data File : VN060492.D
 Acq On : 13 Mar 2020 11:17
 Operator : JC/MD
 Sample : VN0313MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Quant Time: Mar 16 04:26:06 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)
39) Methylcyclohexane	9.06	83	55136	15.716	ug/l	98
40) Benzene	8.02	78	155497	17.955	ug/l	99
41) Methacrylonitrile	7.14	41	26518	20.385	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	58158	18.610	ug/l	100
43) Isopropyl Acetate	8.14	43	99594	20.192	ug/l	99
44) Trichloroethene	8.82	130	40736	16.889	ug/l	99
45) 1,2-Dichloropropane	9.10	63	44271	19.552	ug/l	97
46) Dibromomethane	9.19	93	27723	18.870	ug/l	97
47) Bromodichloromethane	9.39	83	56127	18.784	ug/l	98
48) Methyl methacrylate	9.18	41	43405	19.298	ug/l	99
49) 1,4-Dioxane	9.18	88	13876	438.702	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	298064	106.584	ug/l	100
52) Toluene	10.14	92	95459	17.548	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	65291	17.832	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	69889	18.421	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	40414	18.474	ug/l	98
56) Ethyl methacrylate	10.42	69	61289	19.501	ug/l	97
57) 1,3-Dichloropropane	10.70	76	68595	19.227	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	152296	92.651	ug/l	99
59) 2-Hexanone	10.74	43	214013	104.230	ug/l	99
60) Dibromochloromethane	10.89	129	42113	18.929	ug/l	99
61) 1,2-Dibromoethane	10.99	107	40854	19.157	ug/l	96
64) Tetrachloroethene	10.62	164	40240	16.780	ug/l	99
65) Chlorobenzene	11.43	112	99750	17.127	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	39009	18.115	ug/l	99
67) Ethyl Benzene	11.50	91	185902	17.528	ug/l	99
68) m/p-Xylenes	11.62	106	136054	34.000	ug/l	100
69) o-Xylene	11.94	106	67283	17.633	ug/l	98
70) Styrene	11.96	104	107115	17.074	ug/l	99
71) Bromoform	12.12	173	29355	18.915	ug/l #	100
73) Isopropylbenzene	12.25	105	178601	17.551	ug/l	99
74) N-amyl acetate	12.06	43	87235	19.618	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	58011	20.972	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	78989	26.223	ug/l #	100
77) Bromobenzene	12.52	156	44110	17.683	ug/l	97
78) n-propylbenzene	12.59	91	208977	17.519	ug/l	99
79) 2-Chlorotoluene	12.67	91	124418	17.744	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	150443	17.559	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	20900	19.153	ug/l #	85
82) 4-Chlorotoluene	12.77	91	127085	17.203	ug/l	99
83) tert-Butylbenzene	12.99	119	128080	17.266	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	149886	17.332	ug/l	99
85) sec-Butylbenzene	13.17	105	170648	17.179	ug/l	99
86) p-Isopropyltoluene	13.28	119	154490	16.803	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	77454	17.949	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	77687	18.008	ug/l	99
89) n-Butylbenzene	13.61	91	137963	16.346	ug/l	98
90) Hexachloroethane	13.87	117	21423	16.098	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	76444	17.489	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11772	18.793	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031320\
Data File : VN060492.D
Acq On : 13 Mar 2020 11:17
Operator : JC/MD
Sample : VN0313MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Quant Time: Mar 16 04:26:06 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)
93) 1,2,4-Trichlorobenzene	14.91	180	46212	16.698	ug/l	100
94) Hexachlorobutadiene	15.01	225	23561	18.090	ug/l	97
95) Naphthalene	15.13	128	140759	17.027	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45122	17.131	ug/l	99

(#) = 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: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

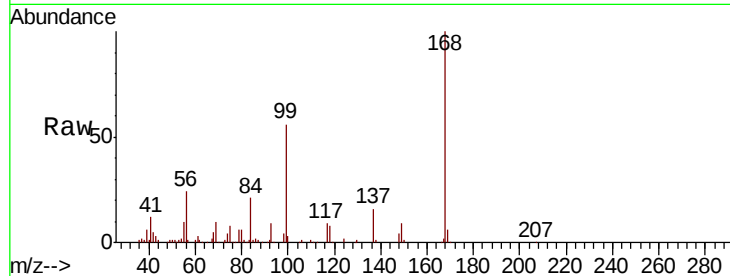
VN0313MBS01

Tot Ion:168 Resp: 191072

Ion Ratio Lower Upper

168 100

99 56.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

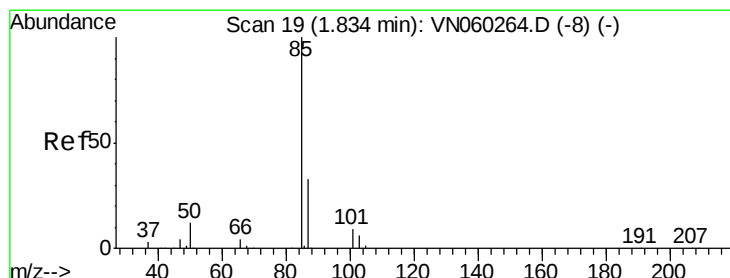
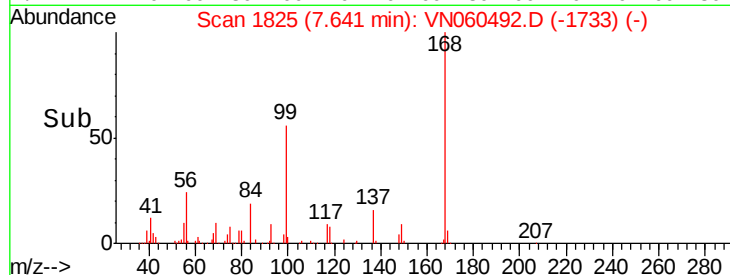
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 14.255 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060492.D

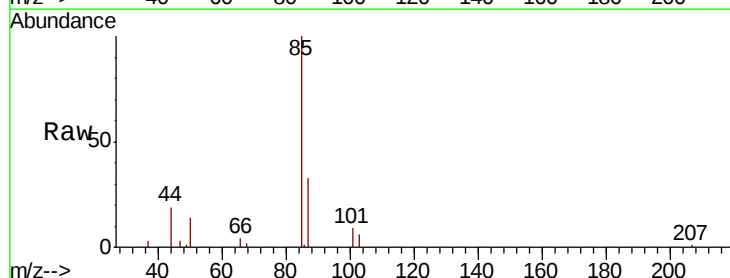
Acq: 13 Mar 2020 11:17

Tgt Ion: 85 Resp: 24972

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

20000

15000

10000

5000

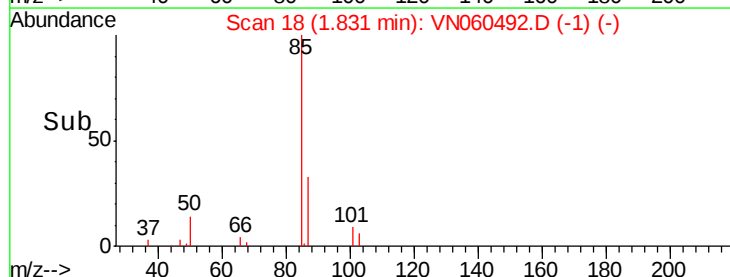
0

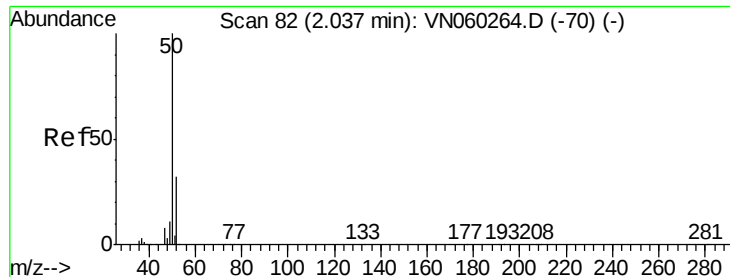
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 15.963 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

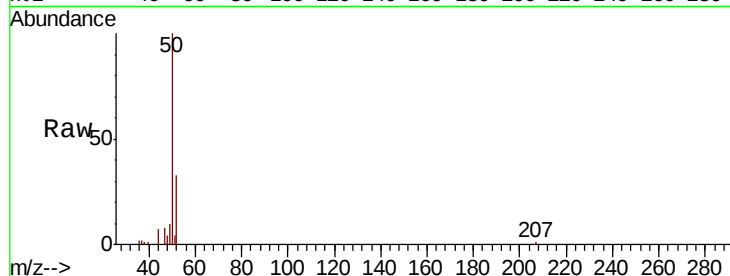
VN0313MBS01

Tot Ion: 50 Resp: 48687

Ion Ratio Lower Upper

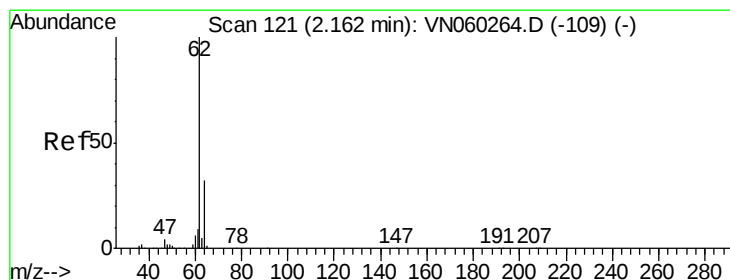
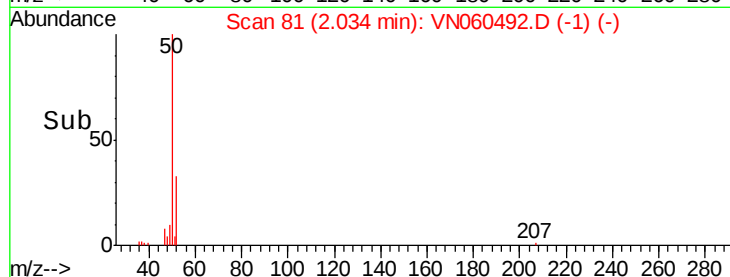
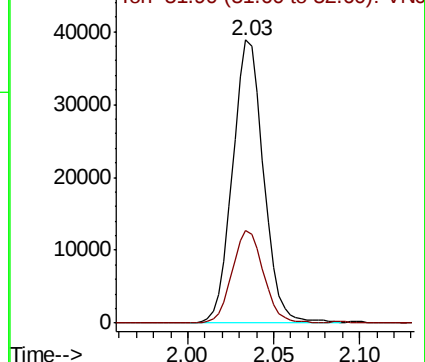
50 100

52 32.7 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 14.960 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN060492.D

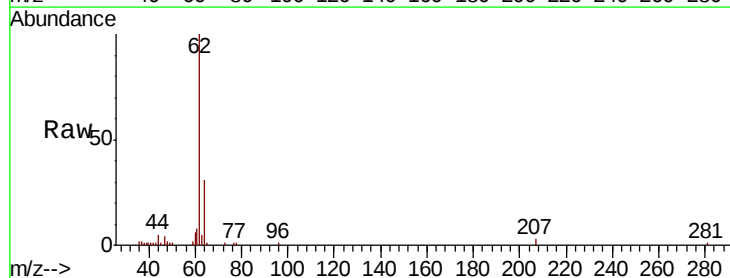
Acq: 13 Mar 2020 11:17

Tgt Ion: 62 Resp: 39131

Ion Ratio Lower Upper

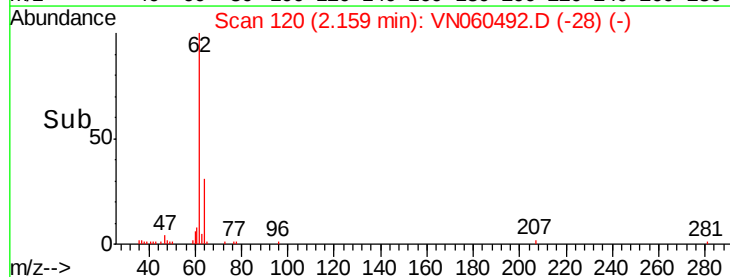
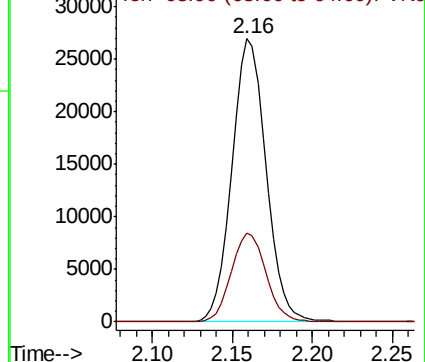
62 100

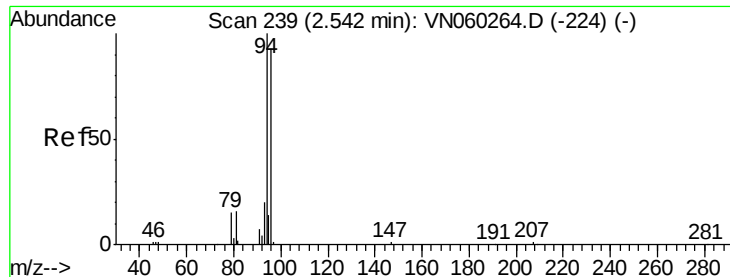
64 31.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

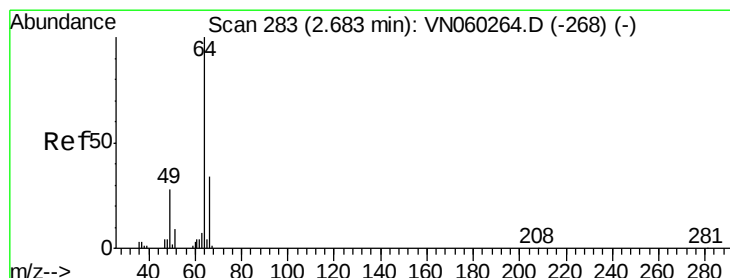
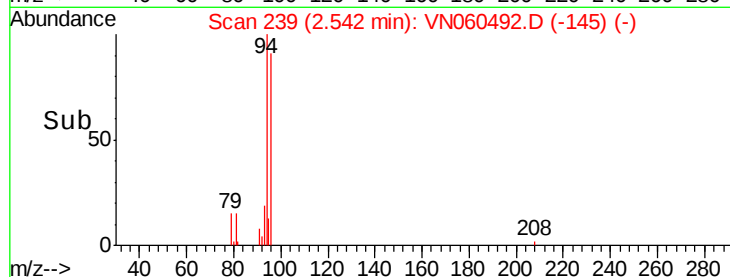
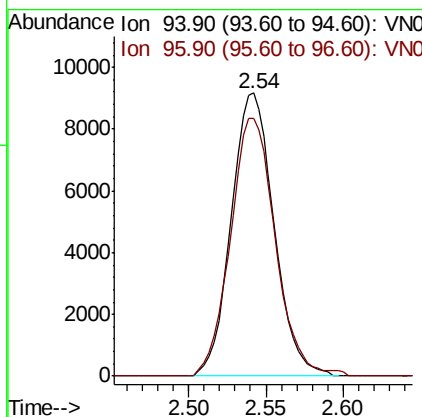
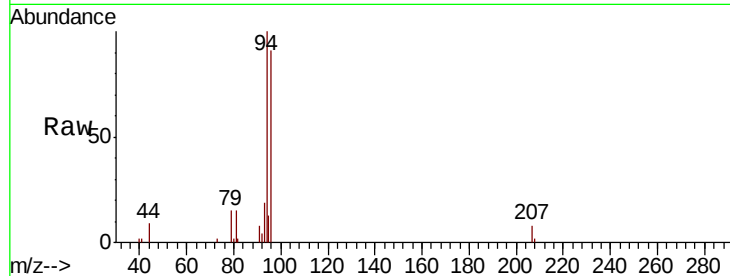




#5
 Bromomethane
 Concen: 15.025 ug/l
 RT: 2.54 min Scan# 239
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

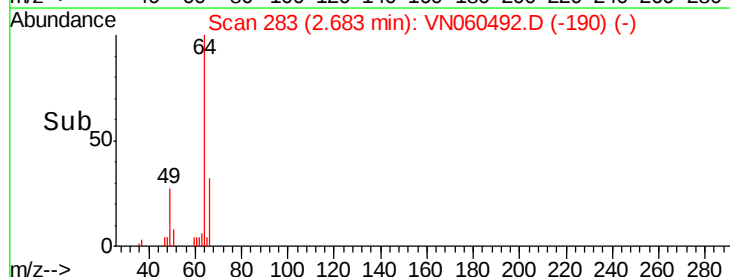
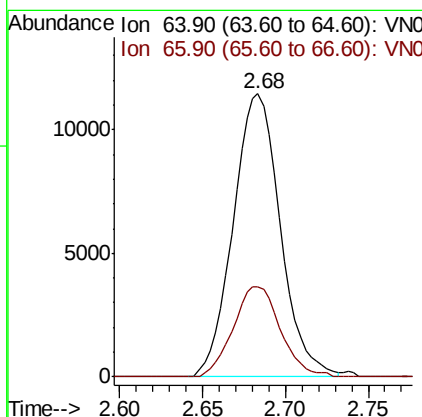
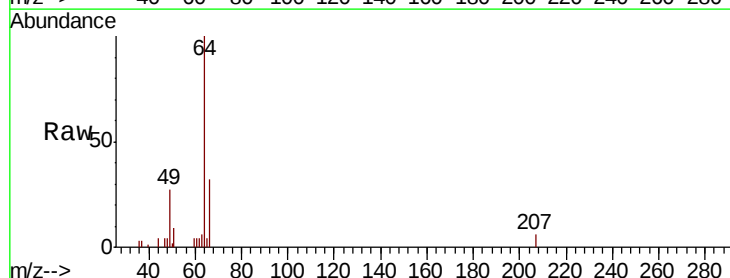
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

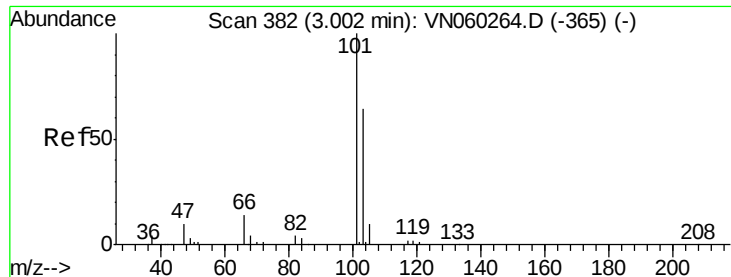
Tot Ion: 94 Resp: 17590
 Ion Ratio Lower Upper
 94 100
 96 91.2 74.3 111.5



#6
 Chloroethane
 Concen: 15.985 ug/l
 RT: 2.68 min Scan# 283
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion: 64 Resp: 22654
 Ion Ratio Lower Upper
 64 100
 66 31.7 27.4 41.2



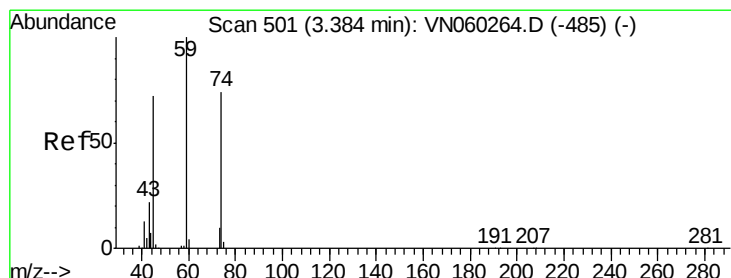
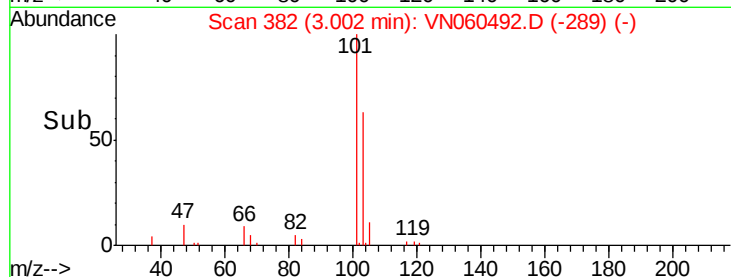
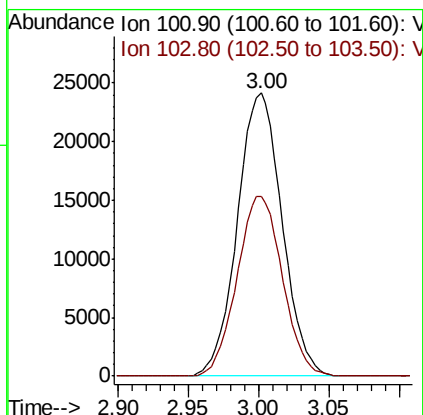
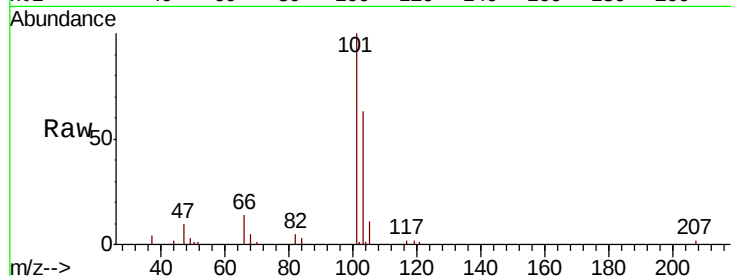


#7

Trichlorofluoromethane
 Concen: 16.021 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

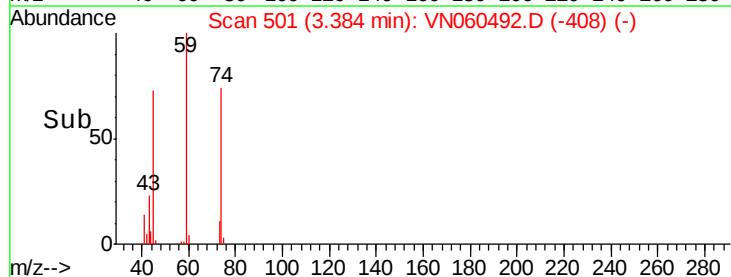
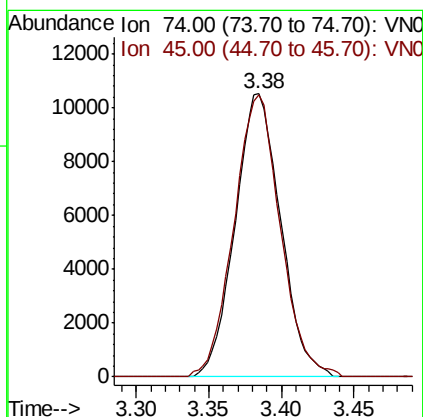
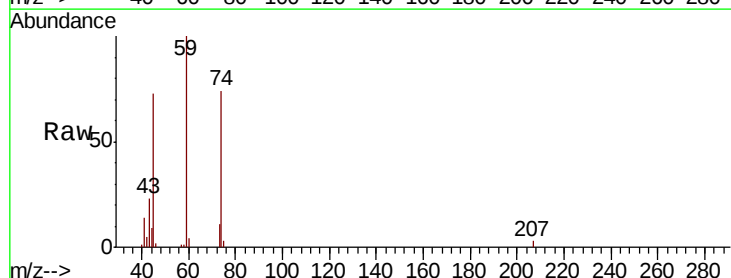
Tot Ion:101 Resp: 53542
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.3 76.9



#8

Diethyl Ether
 Concen: 18.213 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion: 74 Resp: 22982
 Ion Ratio Lower Upper
 74 100
 45 101.6 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.425 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

VN0313MBS01

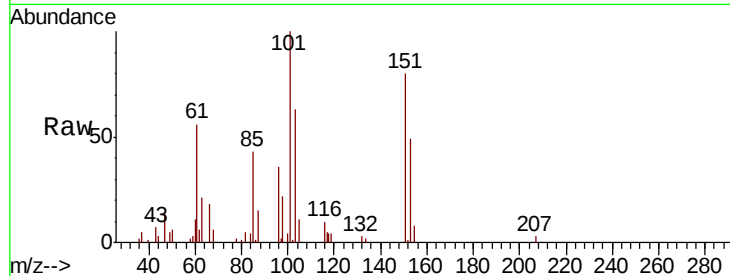
Tot Ion:101 Resp: 32957

Ion Ratio Lower Upper

101 100

85 43.6 35.4 53.2

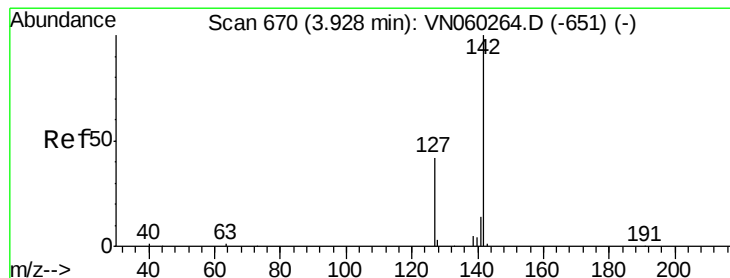
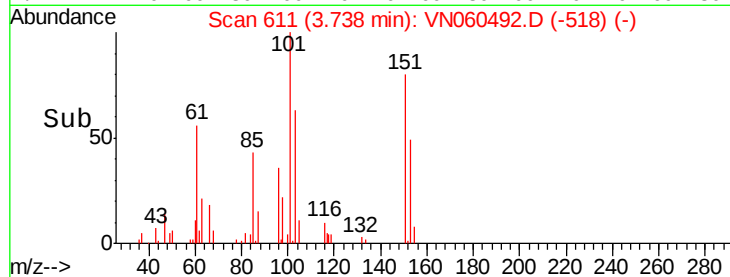
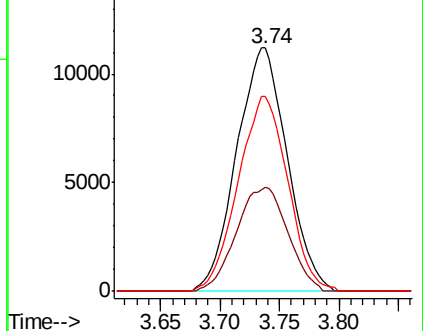
151 78.6 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.123 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

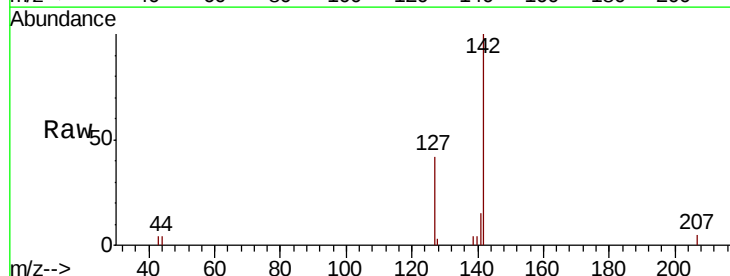
Tgt Ion:142 Resp: 22653

Ion Ratio Lower Upper

142 100

127 40.9 33.8 50.6

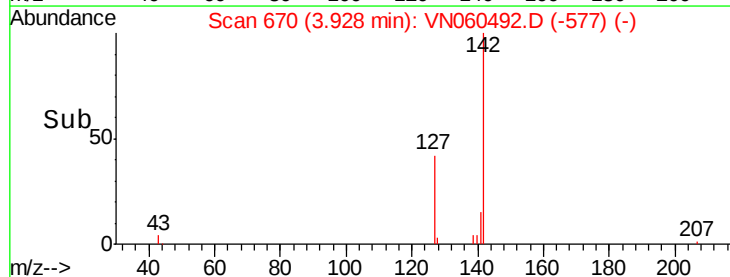
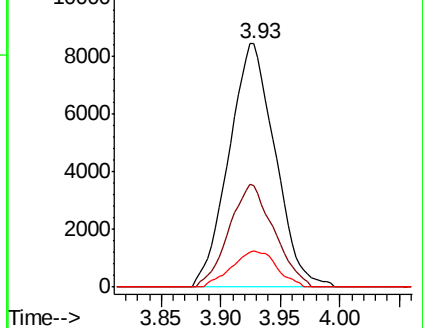
141 14.5 11.1 16.7

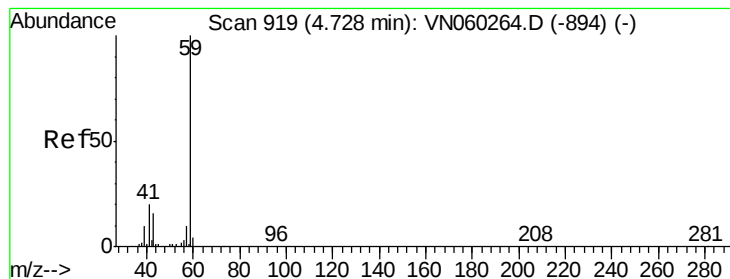


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



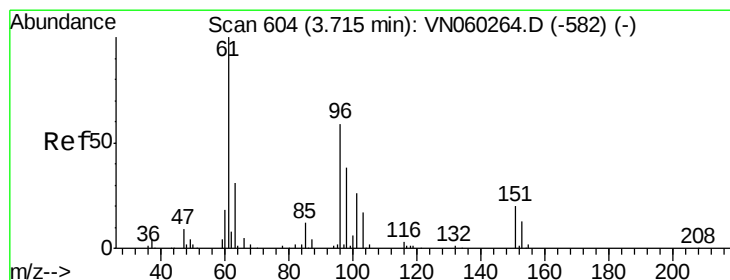
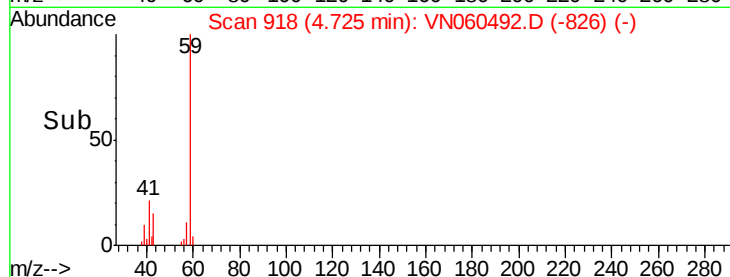
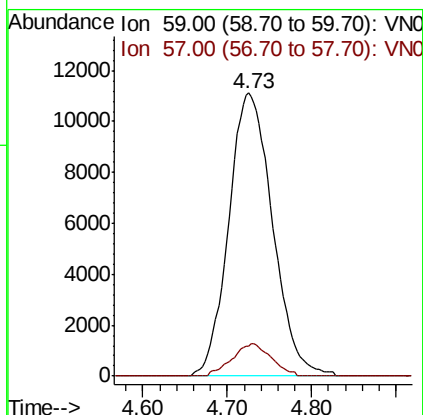
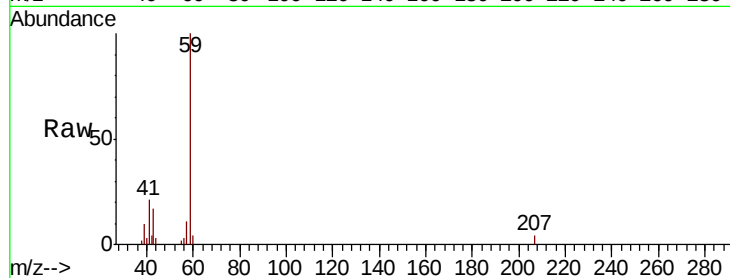


#11

Tert butyl alcohol
 Concen: 110.059 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

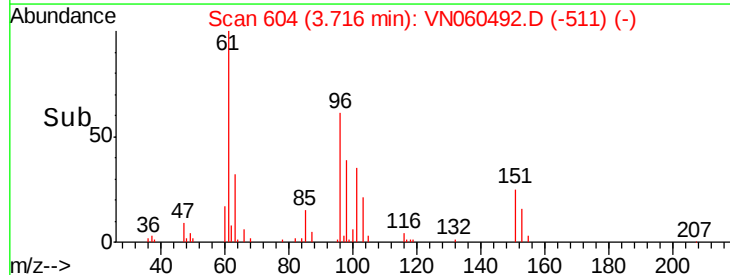
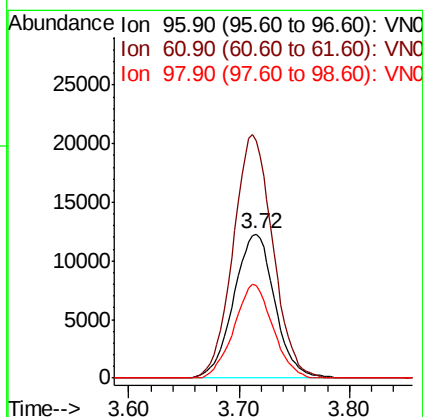
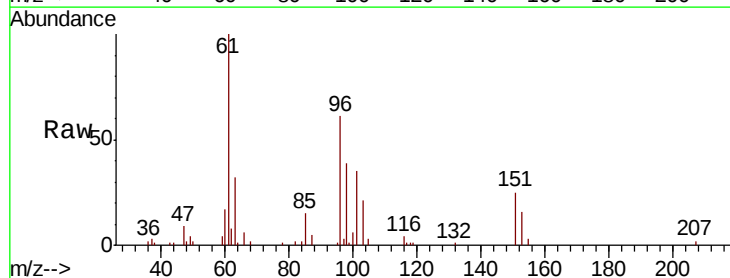
Tot Ion: 59 Resp: 40063
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.2

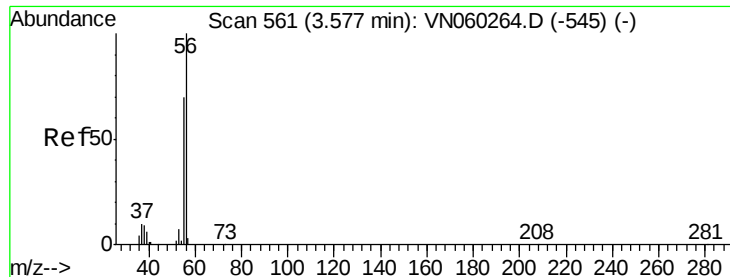


#12

1,1-Dichloroethene
 Concen: 17.219 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion: 96 Resp: 31701
 Ion Ratio Lower Upper
 96 100
 61 164.6 135.4 203.0
 98 64.2 51.6 77.4

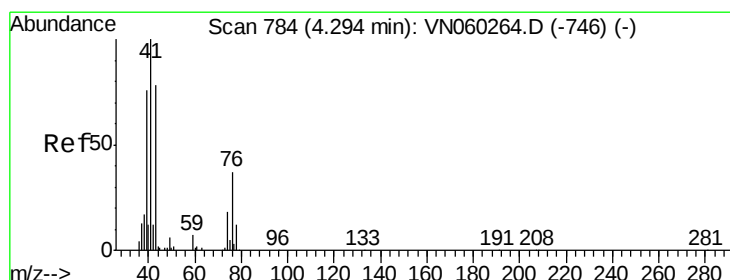
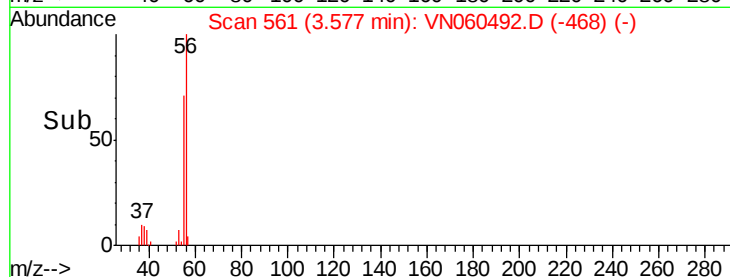
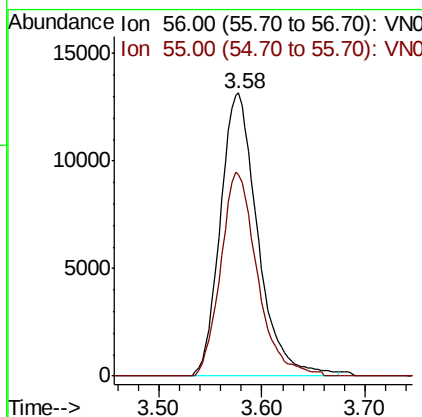
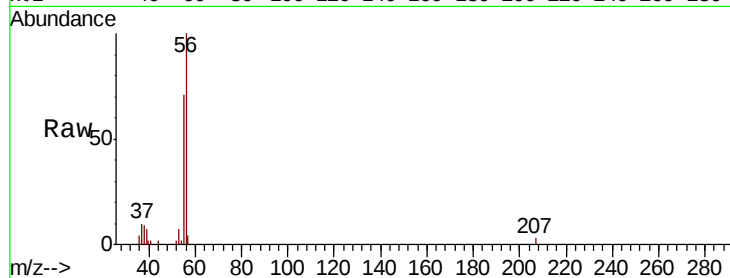




#13
 Acrolein
 Concen: 97.865 ug/l
 RT: 3.58 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

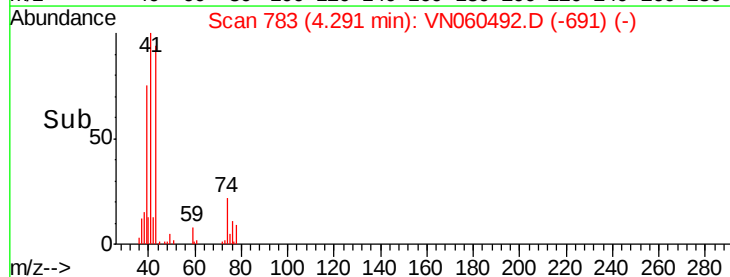
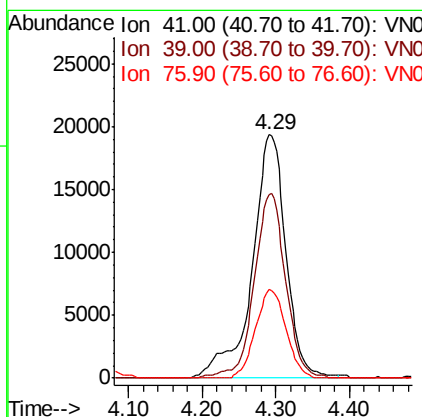
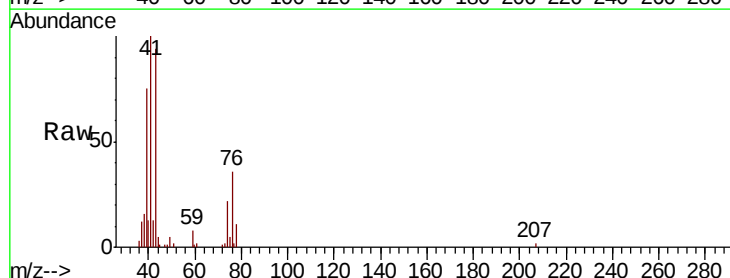
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Tot Ion: 56 Resp: 33234
 Ion Ratio Lower Upper
 56 100
 55 70.4 57.4 86.0



#14
 Allyl chloride
 Concen: 18.271 ug/l
 RT: 4.29 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion: 41 Resp: 61841
 Ion Ratio Lower Upper
 41 100
 39 70.5 55.4 83.2
 76 32.6 27.0 40.6





#15

Acrylonitrile

Concen: 107.364 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

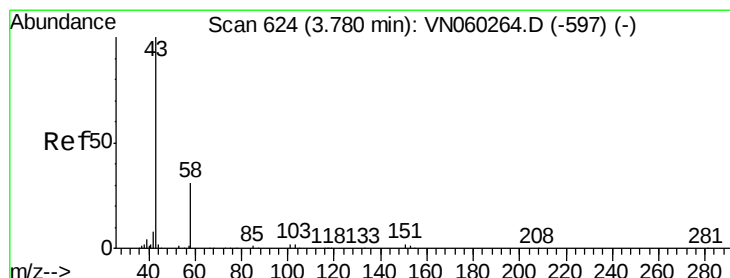
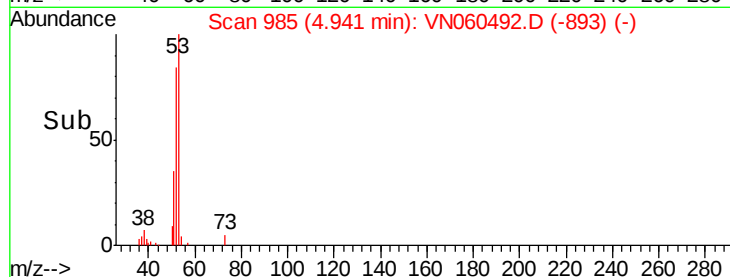
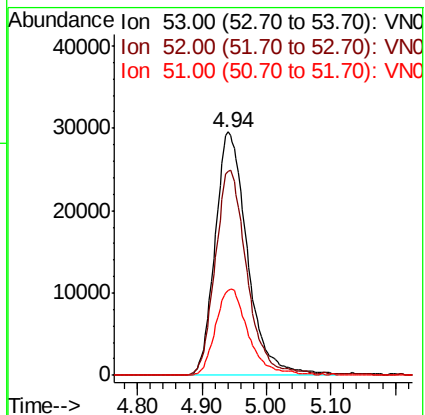
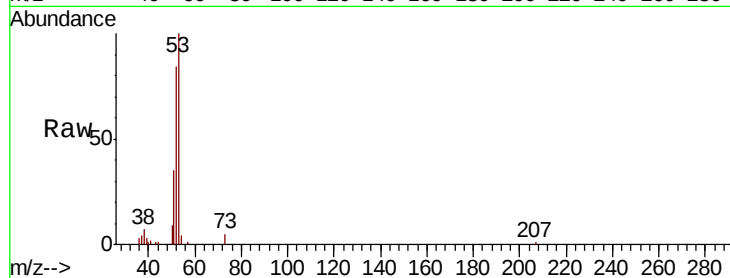
Tot Ion: 53 Resp: 103013

Ion Ratio Lower Upper

53 100

52 82.9 66.8 100.2

51 36.1 29.0 43.6



#16

Acetone

Concen: 110.443 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060492.D

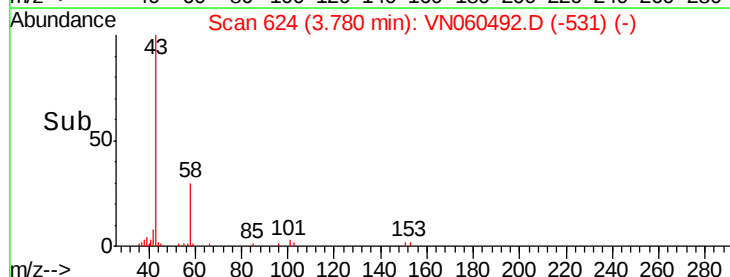
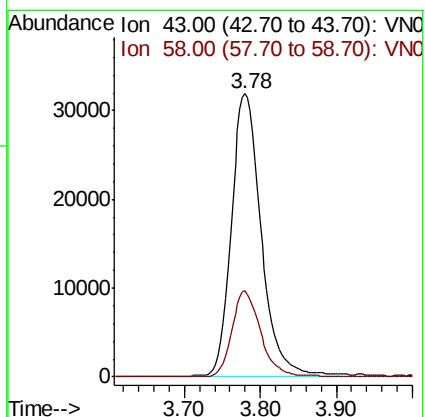
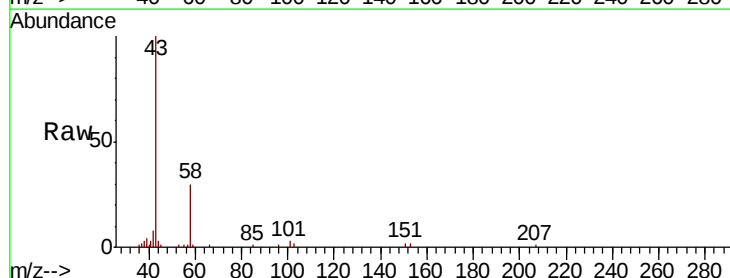
Acq: 13 Mar 2020 11:17

Tgt Ion: 43 Resp: 87433

Ion Ratio Lower Upper

43 100

58 30.3 24.6 36.8

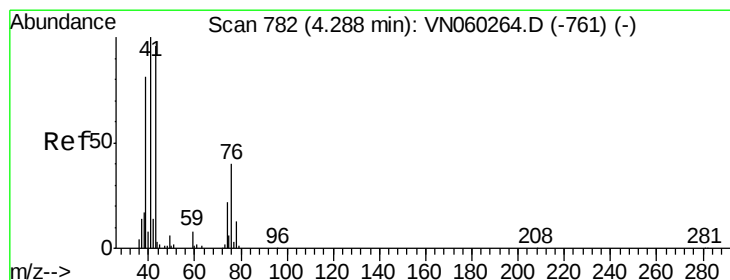
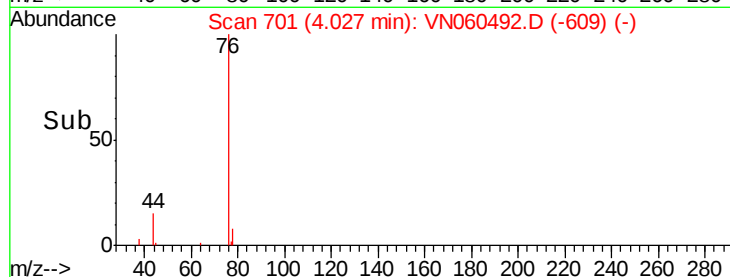
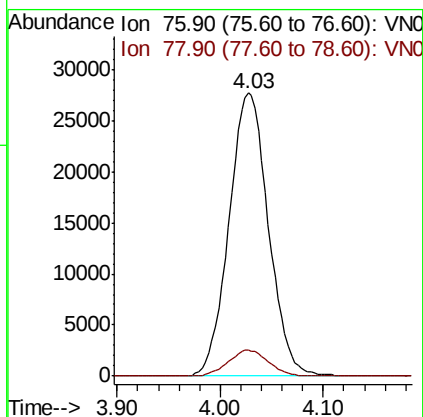
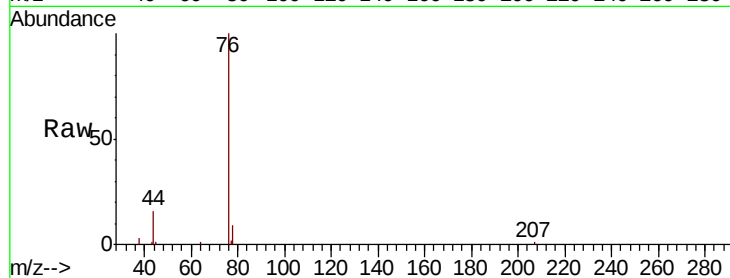




#17
Carbon Disulfide
Concen: 14.578 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

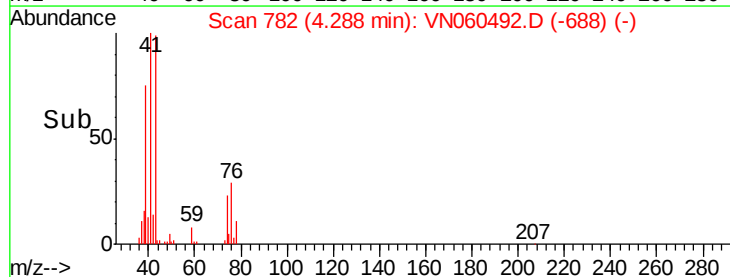
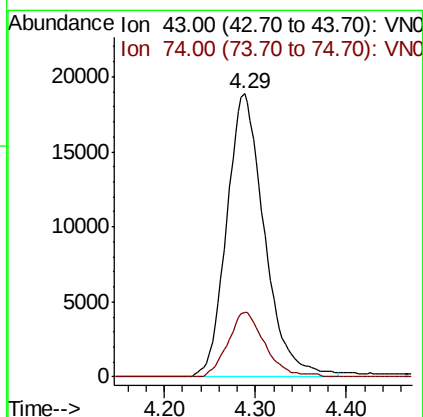
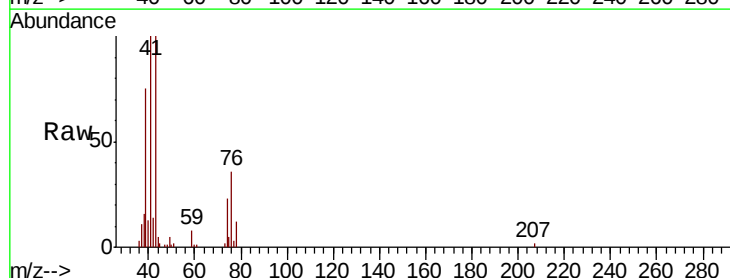
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion: 76 Resp: 73445
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 20.590 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion: 43 Resp: 54396
Ion Ratio Lower Upper
43 100
74 22.2 18.8 28.2

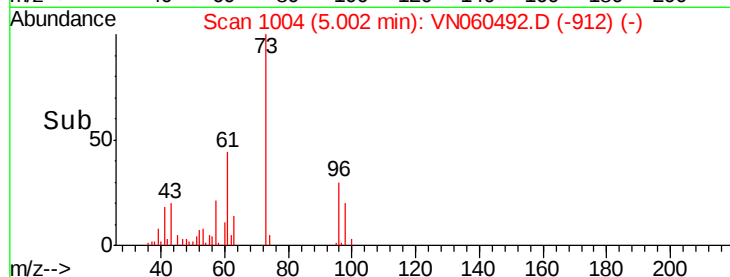
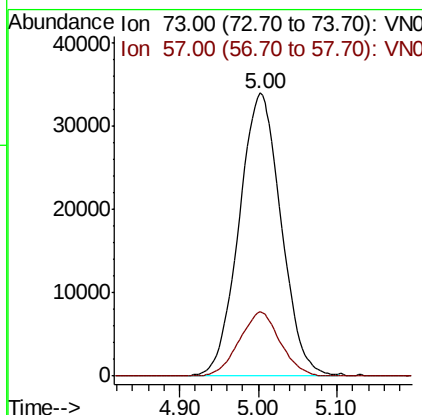
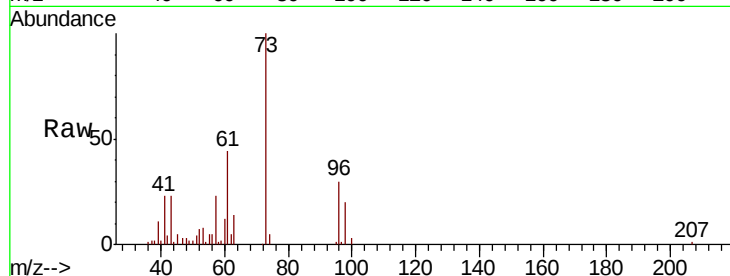




#19
Methyl tert-butyl Ether
Concen: 19.161 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

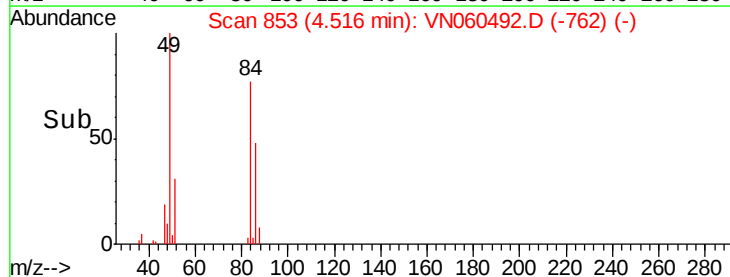
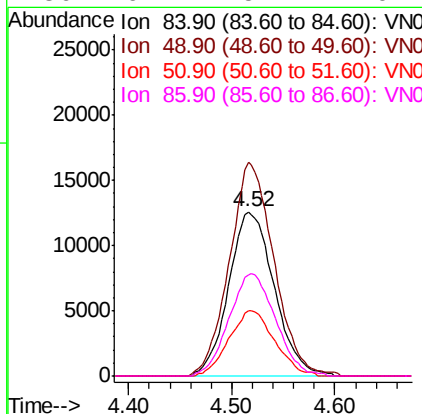
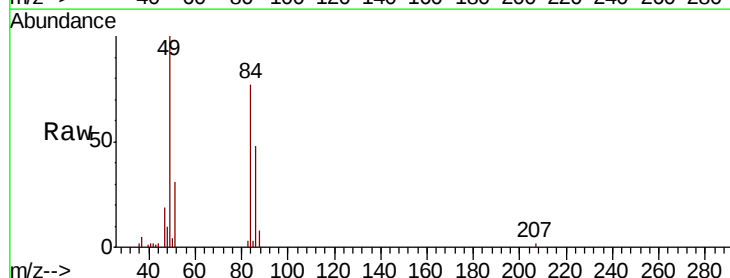
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion: 73 Resp: 127706
Ion Ratio Lower Upper
73 100
57 22.9 17.3 25.9



#20
Methylene Chloride
Concen: 17.796 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion: 84 Resp: 38692
Ion Ratio Lower Upper
84 100
49 130.3 99.3 148.9
51 39.9 30.1 45.1
86 62.1 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 17.299 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

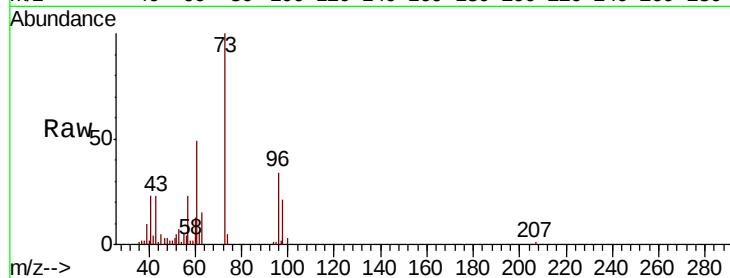
Tot Ion: 96 Resp: 34667

Ion Ratio Lower Upper

96 100

61 144.1 113.8 170.8

98 62.6 48.8 73.2

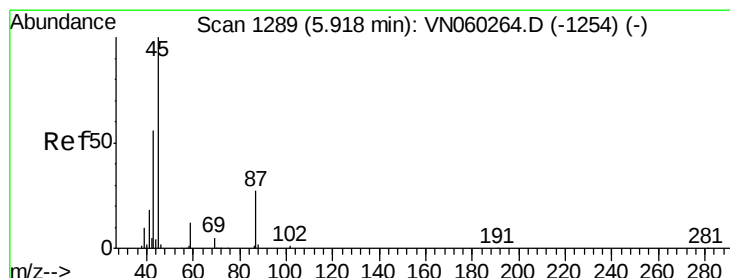
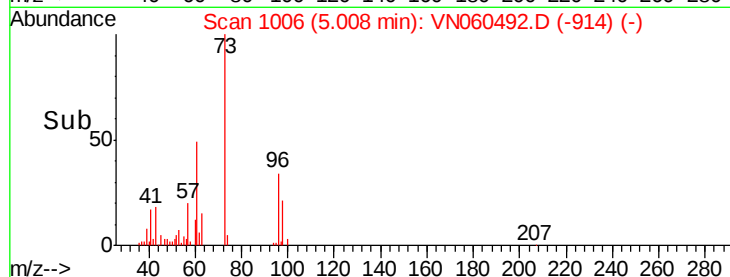
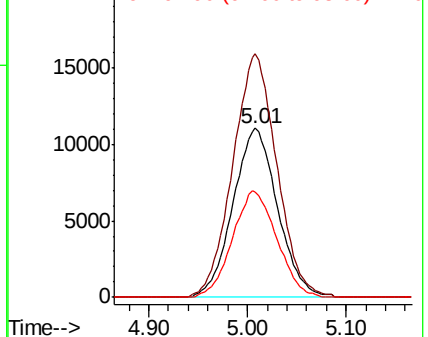


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.702 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.01 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Tgt Ion: 45 Resp: 135076

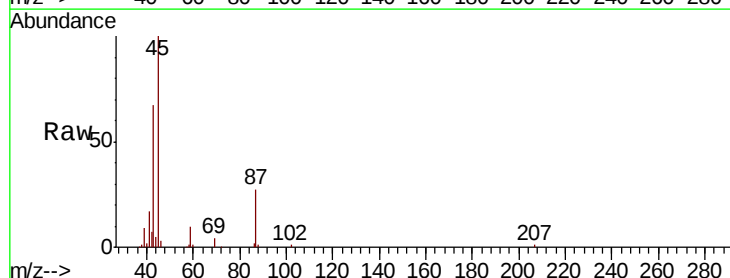
Ion Ratio Lower Upper

45 100

43 65.4 48.6 72.8

87 26.9 22.2 33.2

59 10.4 9.5 14.3



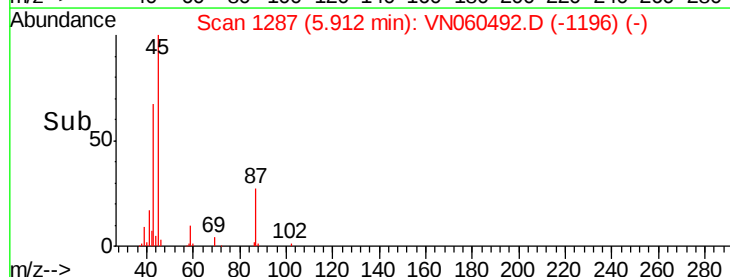
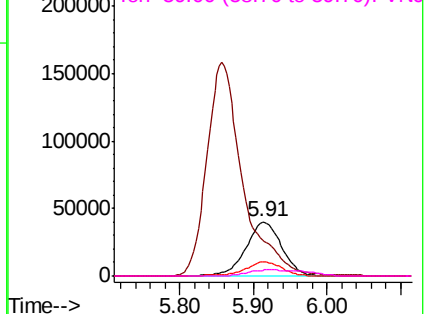
Abundance

Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

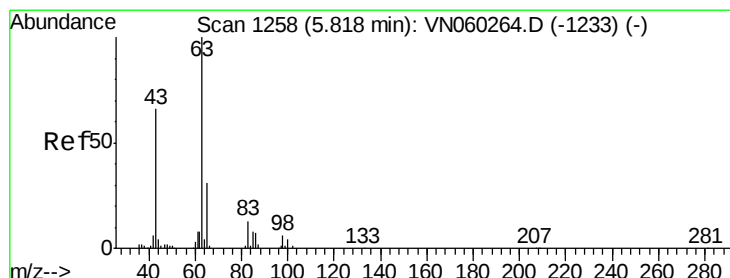
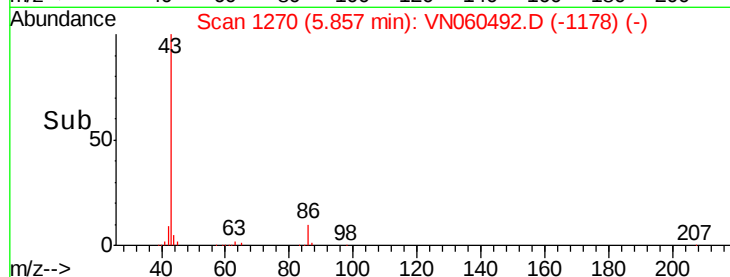
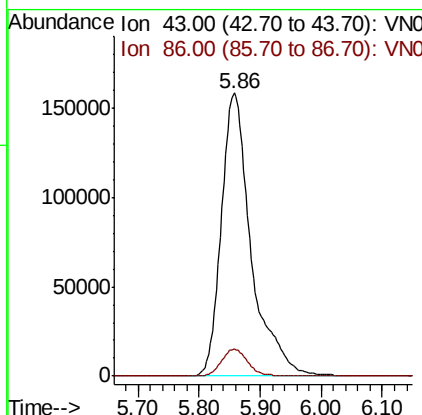
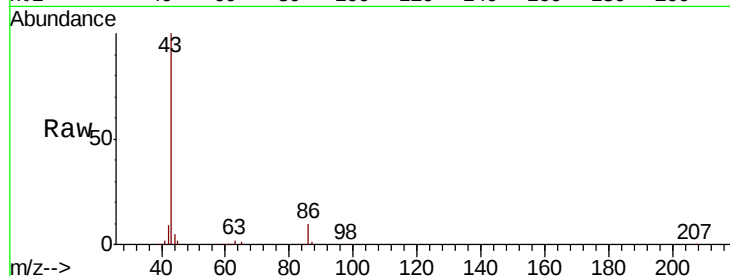




#23
 Vinyl Acetate
 Concen: 98.995 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

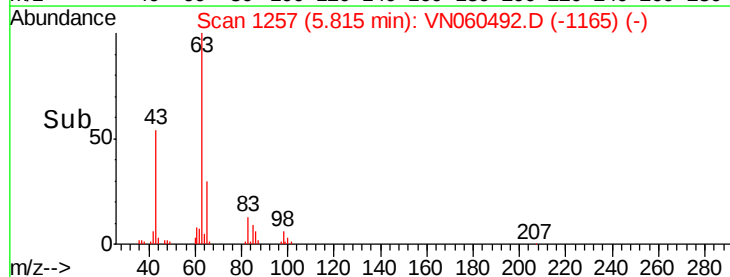
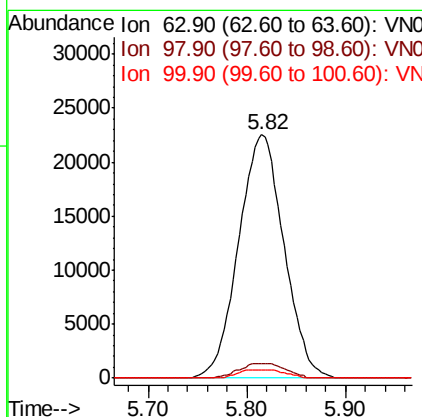
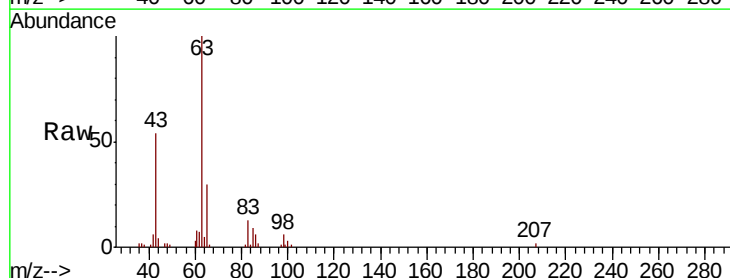
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

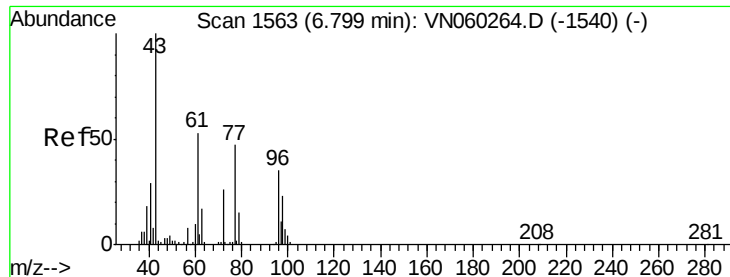
Tot Ion: 43 Resp: 539309
 Ion Ratio Lower Upper
 43 100
 86 9.5 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 18.462 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion: 63 Resp: 71648
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.0
 100 3.3 2.0 6.0

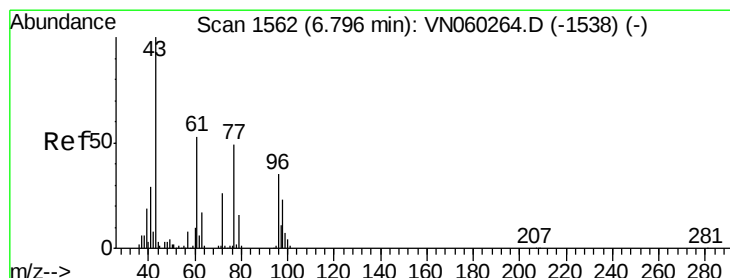
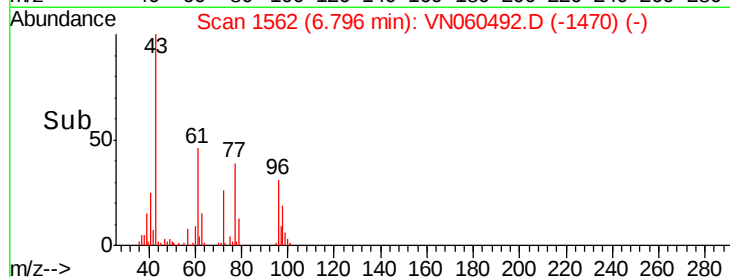
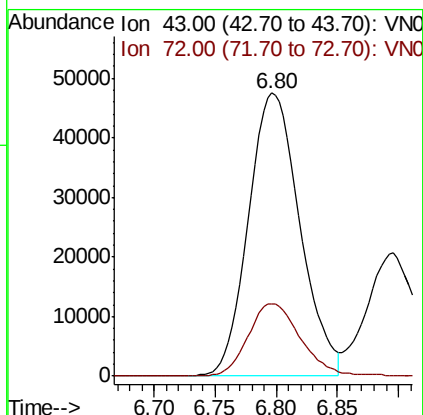
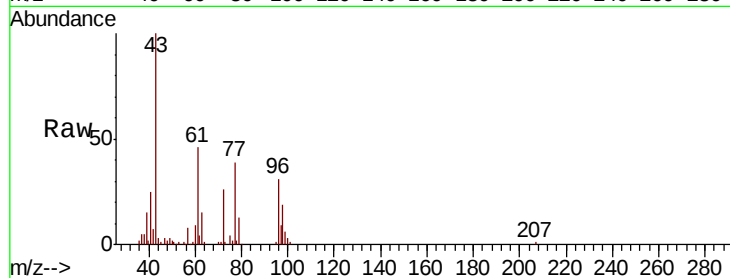




#25
 2-Butanone
 Concen: 108.831 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

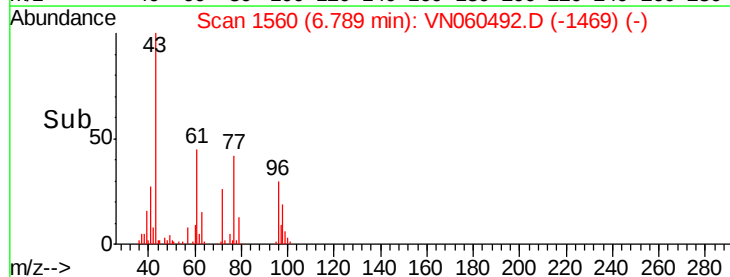
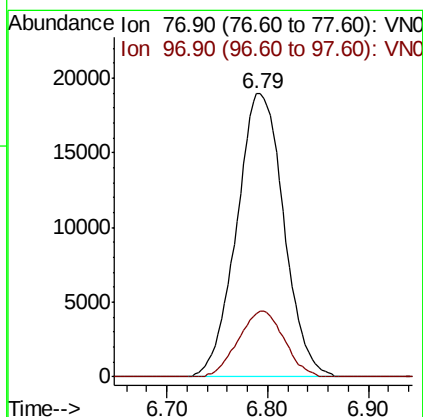
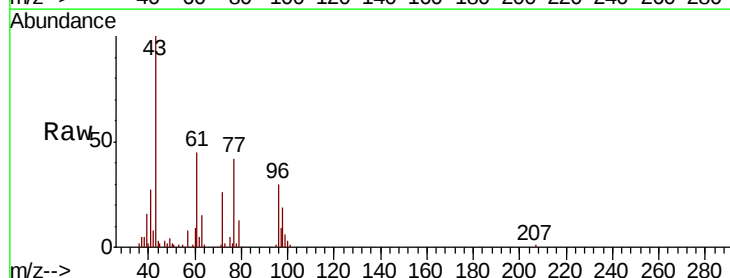
Instrument :
 MSVOA_N
 ClientSampled :
 VN0313MBS01

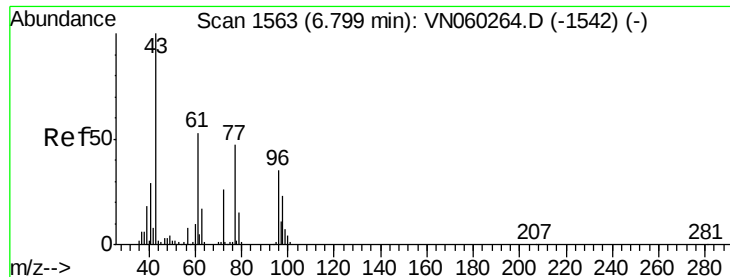
Tot Ion: 43 Resp: 139164
 Ion Ratio Lower Upper
 43 100
 72 25.6 20.9 31.3



#26
 2,2-Dichloropropane
 Concen: 17.411 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion: 77 Resp: 61515
 Ion Ratio Lower Upper
 77 100
 97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 16.766 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

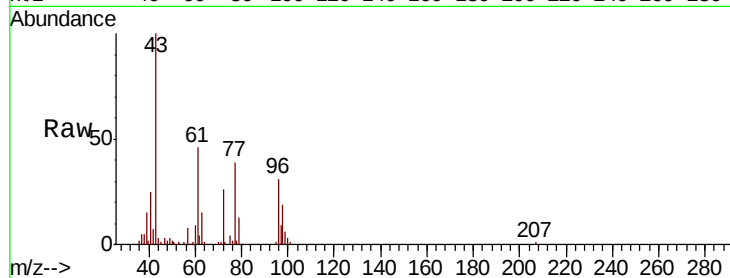
Tot Ion: 96 Resp: 42267

Ion Ratio Lower Upper

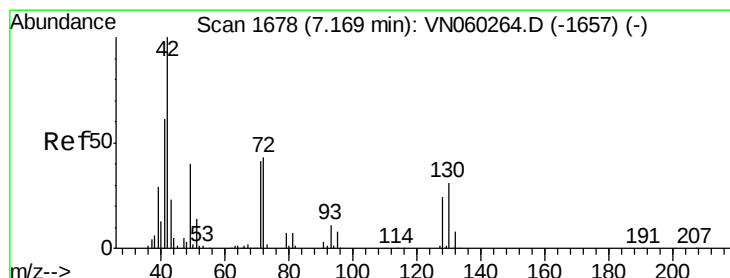
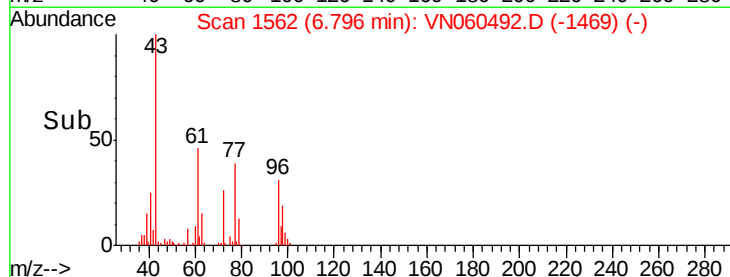
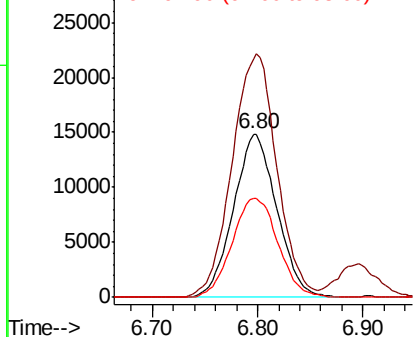
96 100

61 154.5 0.0 300.8

98 64.3 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.719 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

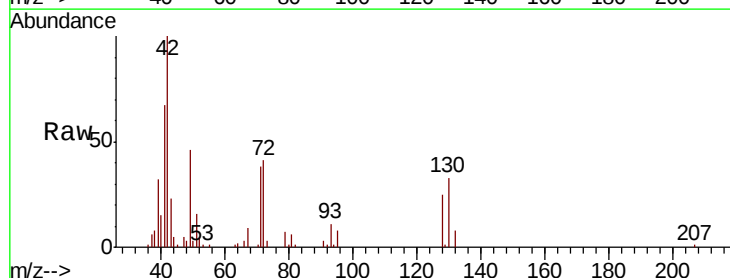
Tgt Ion: 49 Resp: 31420

Ion Ratio Lower Upper

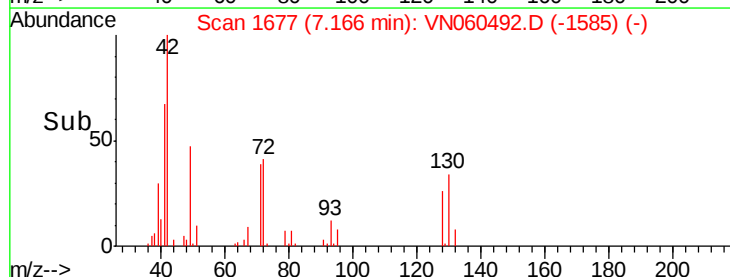
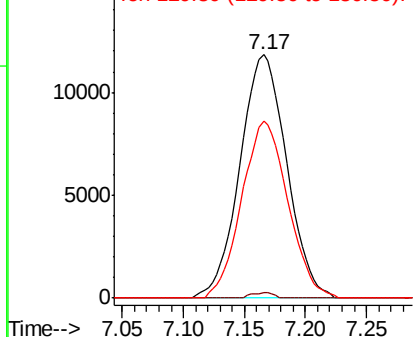
49 100

129 1.0 0.0 3.8

130 71.8 59.8 89.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

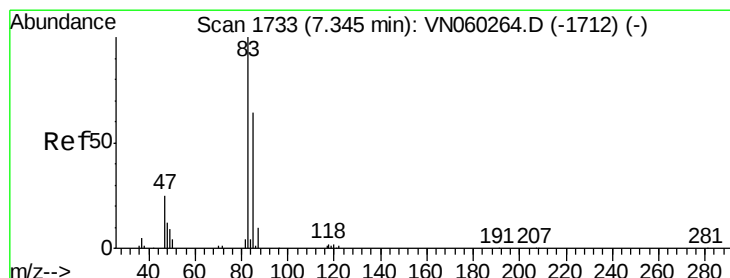
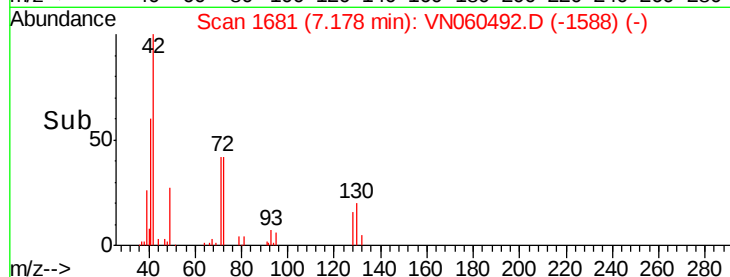
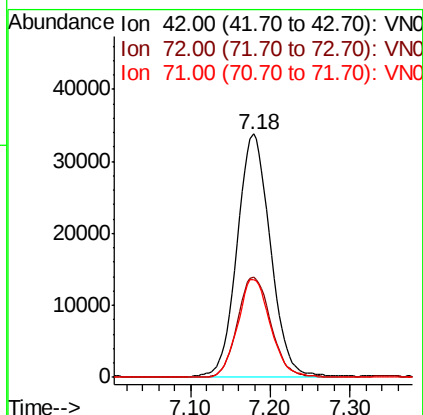
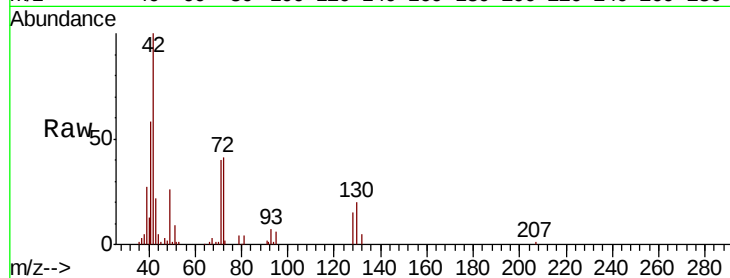




#29
Tetrahydrofuran
Concen: 107.374 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

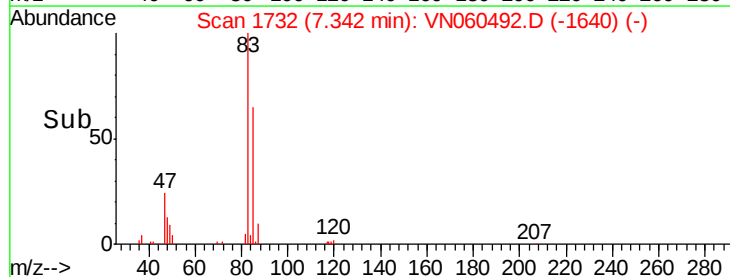
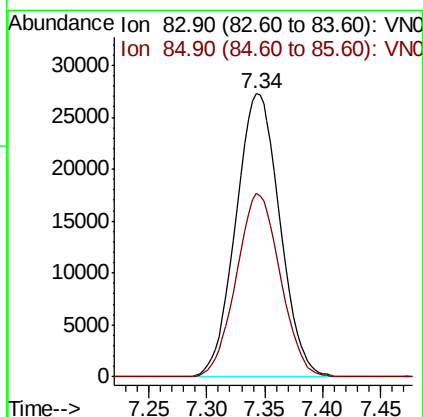
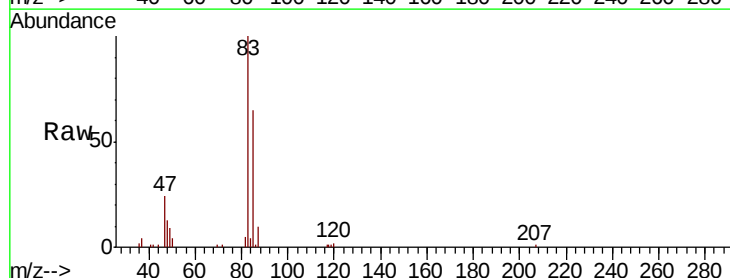
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

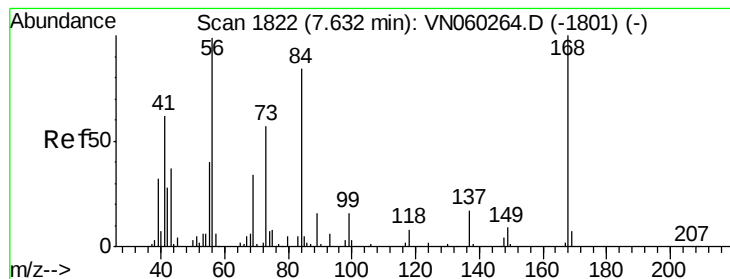
Tot Ion: 42 Resp: 95476
Ion Ratio Lower Upper
42 100
72 41.0 34.6 52.0
71 39.4 32.9 49.3



#30
Chloroform
Concen: 18.607 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion: 83 Resp: 71885
Ion Ratio Lower Upper
83 100
85 64.7 51.4 77.2





#31

Cyclohexane

Concen: 17.515 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

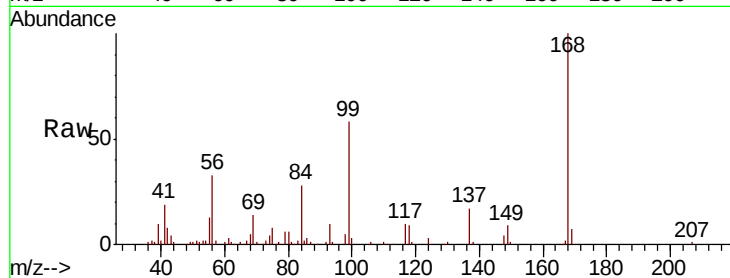
Tot Ion: 56 Resp: 60891

Ion Ratio Lower Upper

56 100

69 41.0 27.2 40.8#

84 83.6 66.7 100.1

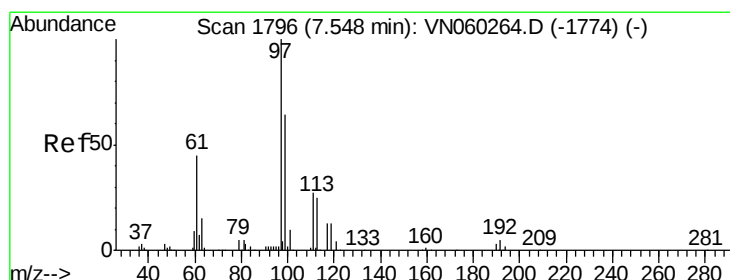
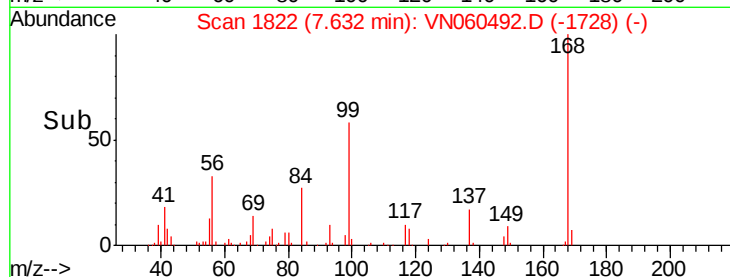
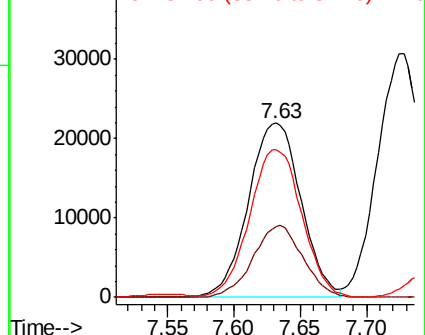


Abundance

Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 17.721 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

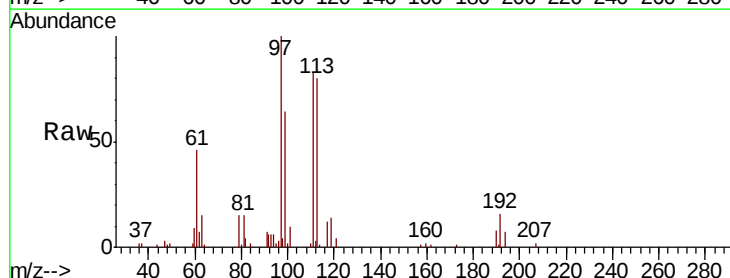
Tgt Ion: 97 Resp: 60656

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.0

61 46.4 36.6 55.0

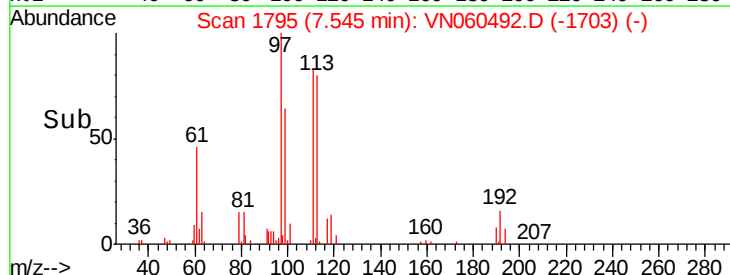
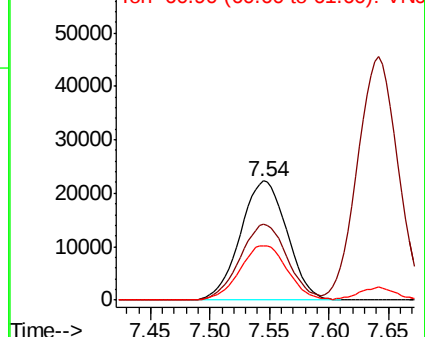


Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 48.823 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

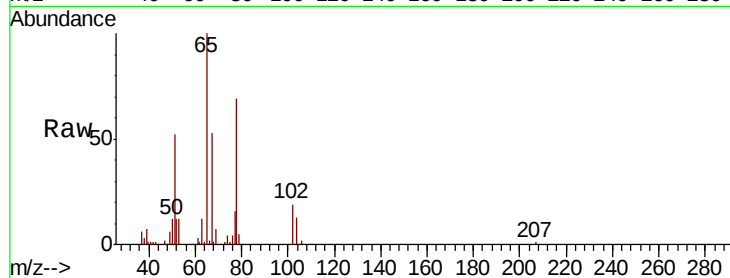
VN0313MBS01

Tot Ion: 65 Resp: 119689

Ion Ratio Lower Upper

65 100

67 53.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060492.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060492.D (-1845) (-)

8.00

60000

50000

40000

30000

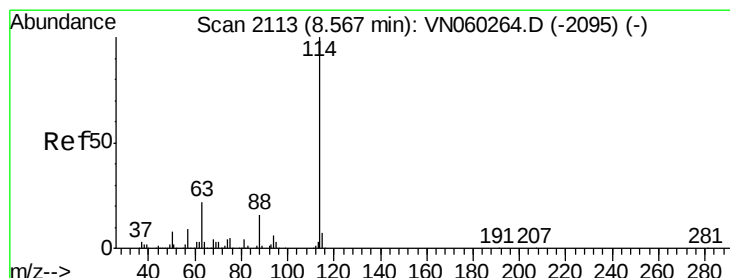
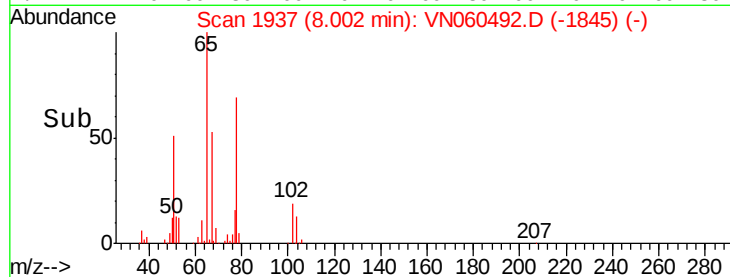
20000

10000

0

Time-->

7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

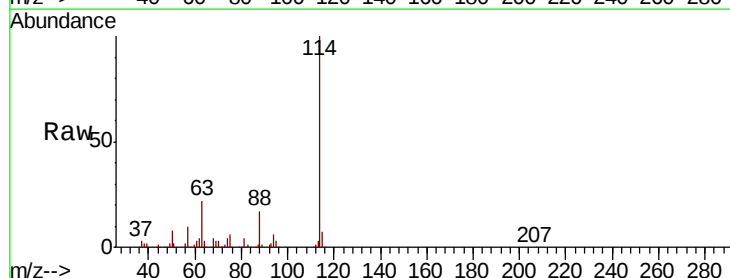
Tgt Ion: 114 Resp: 312202

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.2

88 16.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VN060492.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060492.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060492.D (-2020) (-)

8.56

200000

150000

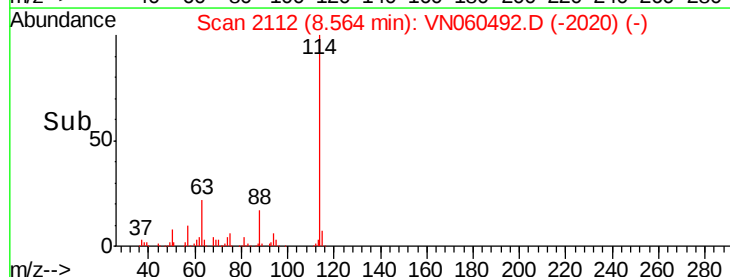
100000

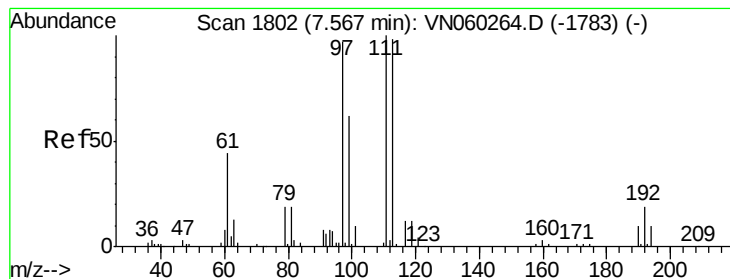
50000

0

Time-->

8.50 8.55 8.60 8.70





#35

Dibromofluoromethane

Concen: 61.310 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

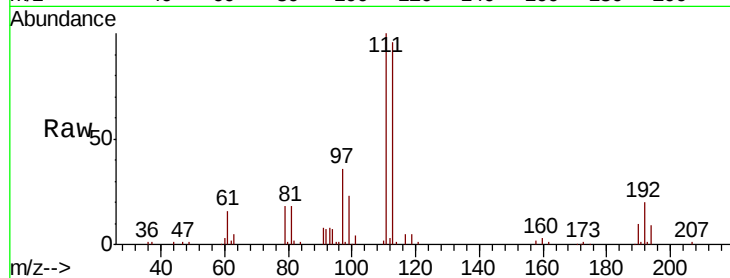
Tot Ion:113 Resp: 88847

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

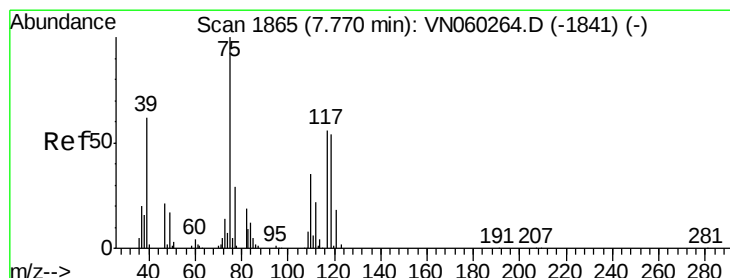
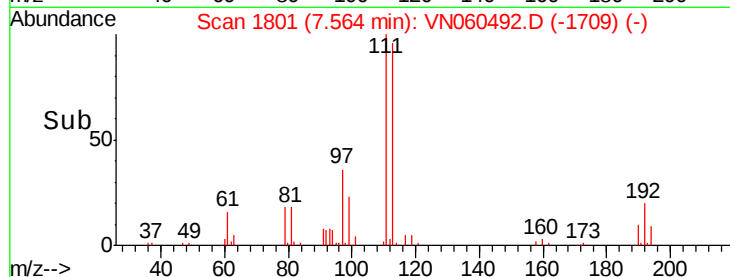
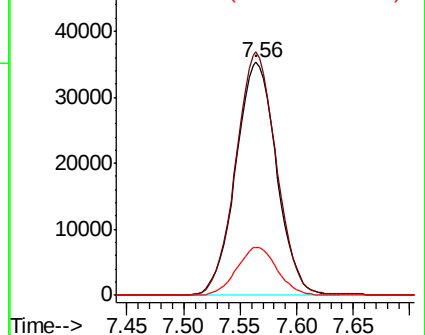
192 20.3 16.2 24.2



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: 16.700 ug/l

RT: 7.77 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

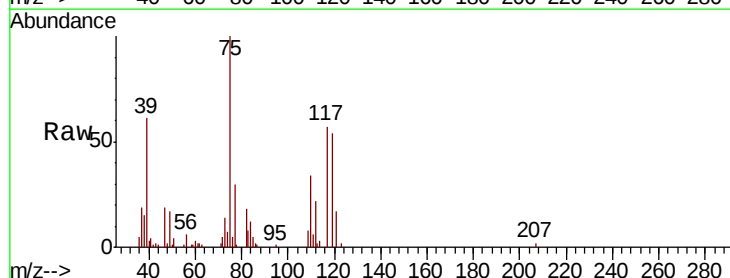
Tgt Ion: 75 Resp: 49689

Ion Ratio Lower Upper

75 100

110 34.2 17.3 52.0

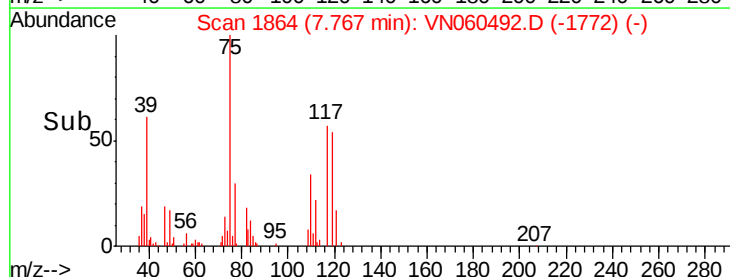
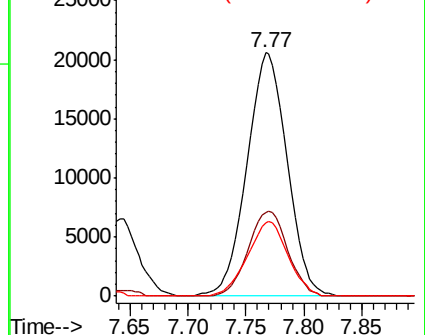
77 30.7 24.2 36.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

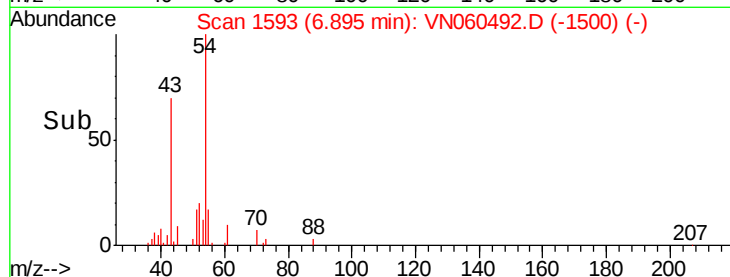
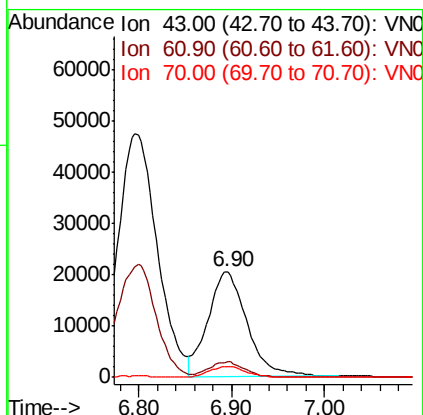
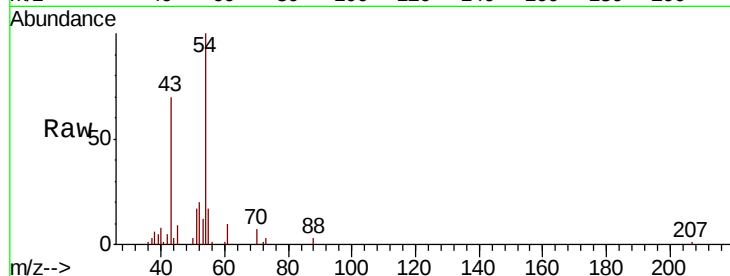




#37
Ethyl Acetate
Concen: 21.267 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

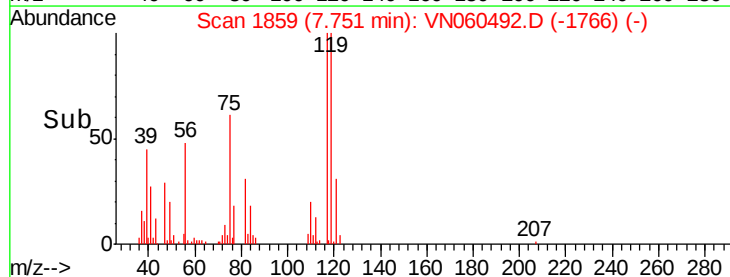
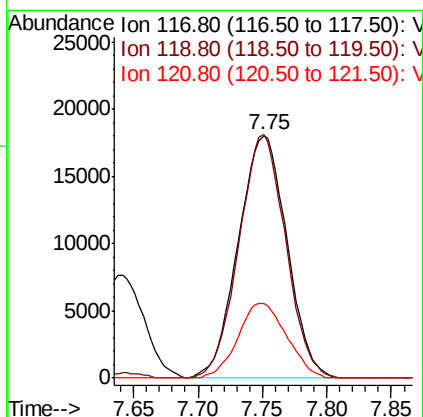
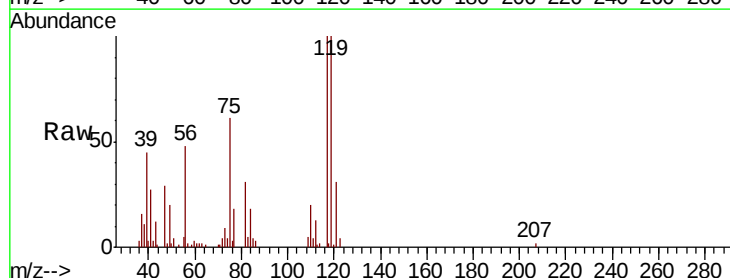
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

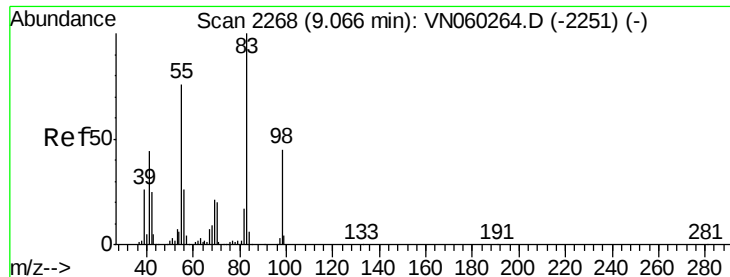
Tot Ion: 43 Resp: 59916
Ion Ratio Lower Upper
43 100
61 13.7 11.1 16.7
70 9.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 16.333 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion: 117 Resp: 47317
Ion Ratio Lower Upper
117 100
119 100.3 76.7 115.1
121 30.8 24.5 36.7

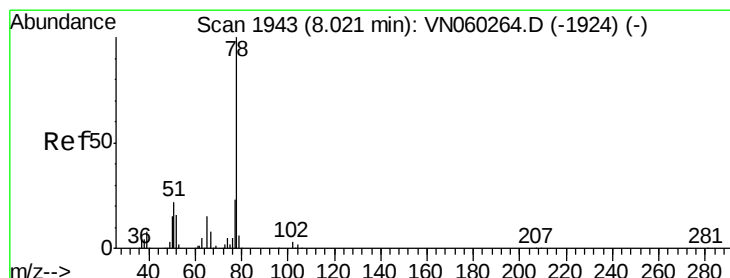
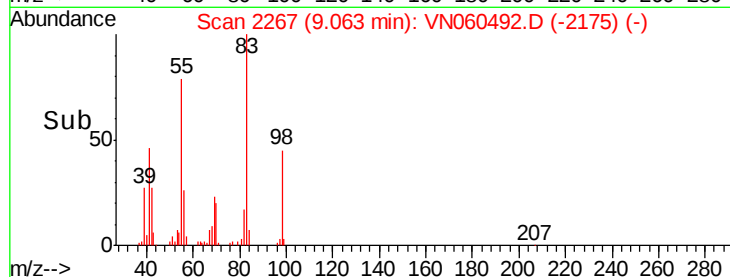
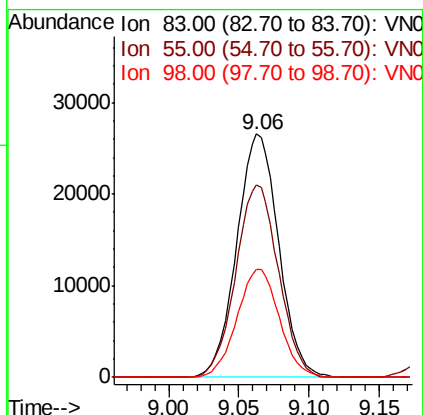
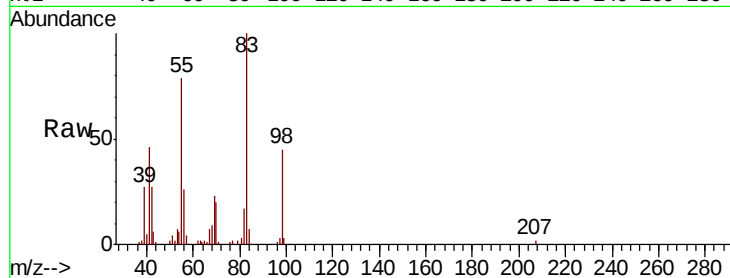




#39
Methvlcvclohexane
Concen: 15.716 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

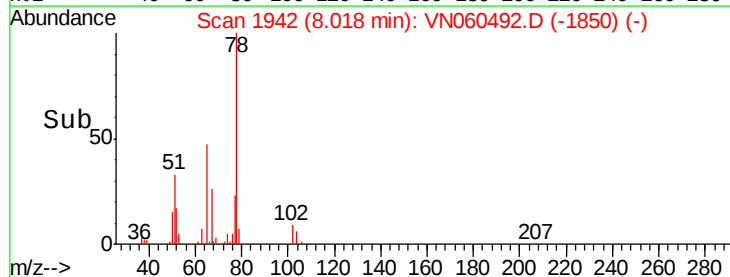
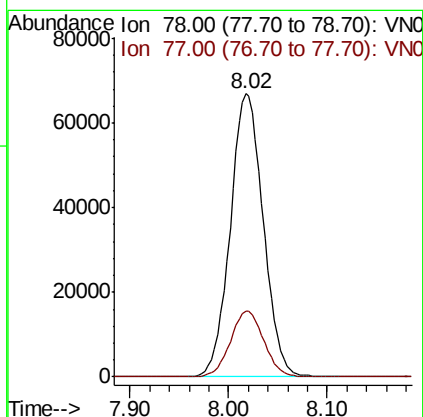
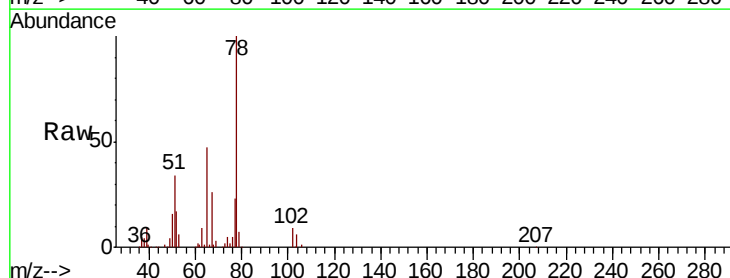
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion: 83 Resp: 55136
Ion Ratio Lower Upper
83 100
55 79.1 61.0 91.4
98 44.6 36.1 54.1



#40
Benzene
Concen: 17.955 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion: 78 Resp: 155497
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

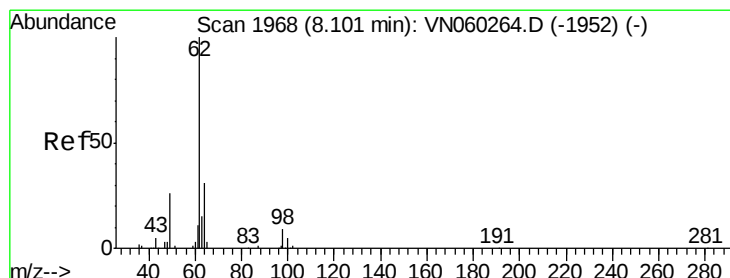
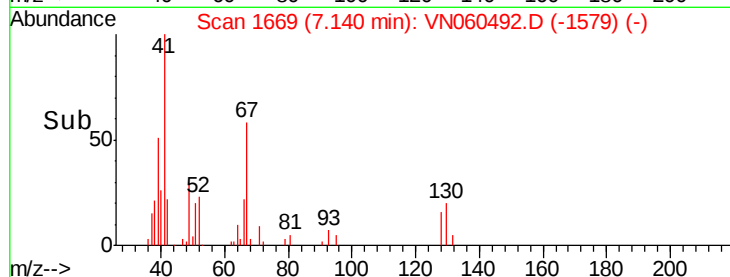
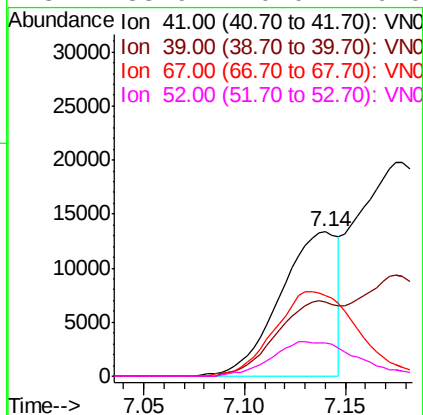
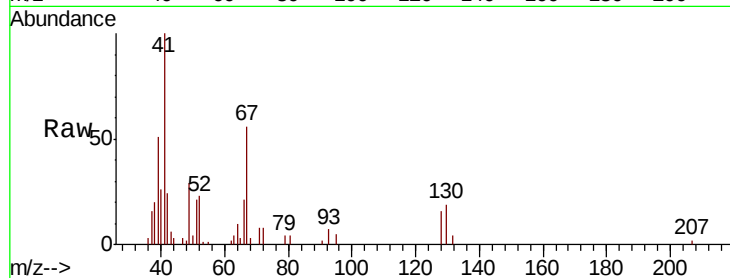




#41
Methacrylonitrile
Concen: 20.385 ug/l
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

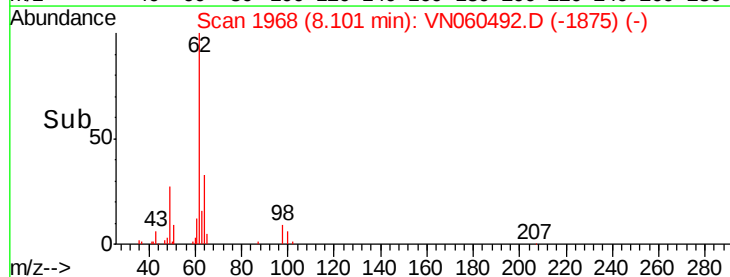
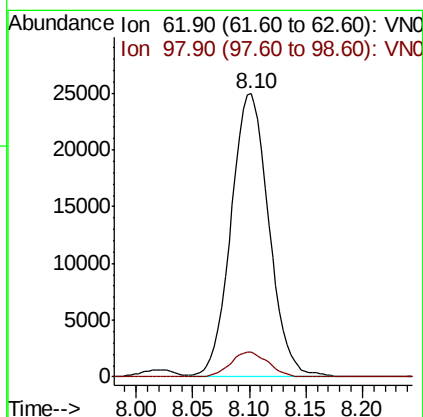
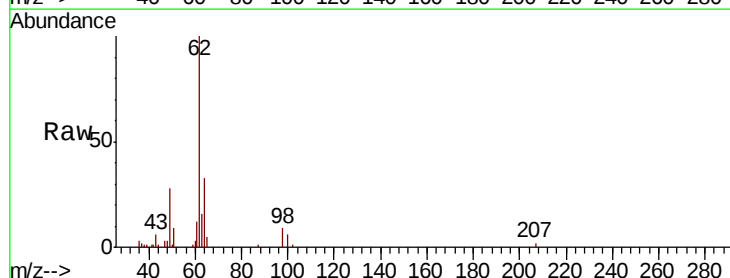
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

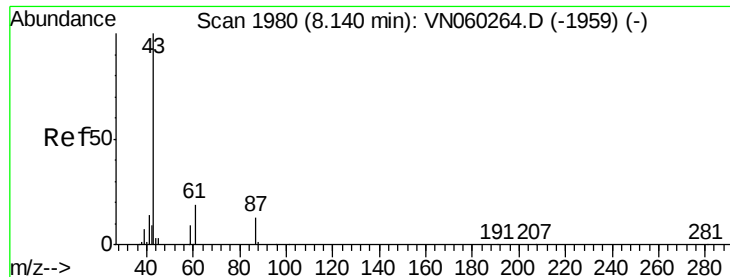
Tot Ion:	41	Resp:	26518
Ion	Ratio	Lower	Upper
41	100		
39	58.6	0.0	0.0#
67	84.6	0.0	0.0#
52	35.9	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 18.610 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion:	62	Resp:	58158
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0





#43

Isopropyl Acetate

Concen: 20.192 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

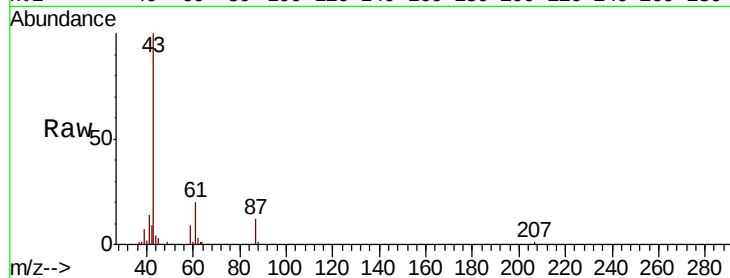
Tot Ion: 43 Resp: 99594

Ion Ratio Lower Upper

43 100

61 26.1 20.9 31.3

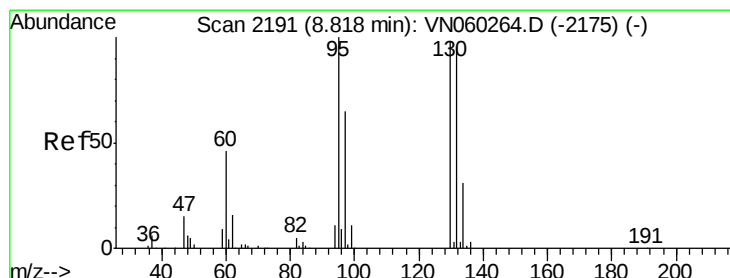
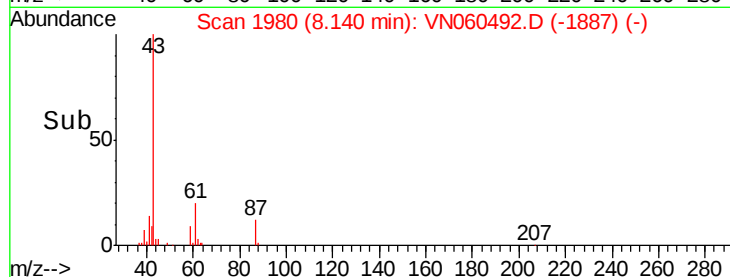
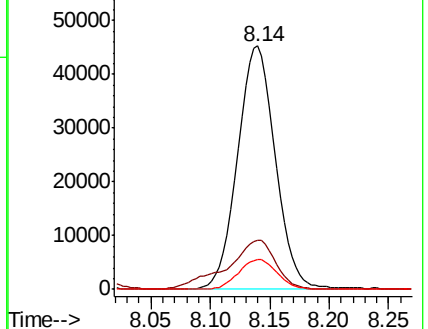
87 12.5 10.6 16.0



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

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

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



#44

Trichloroethene

Concen: 16.889 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060492.D

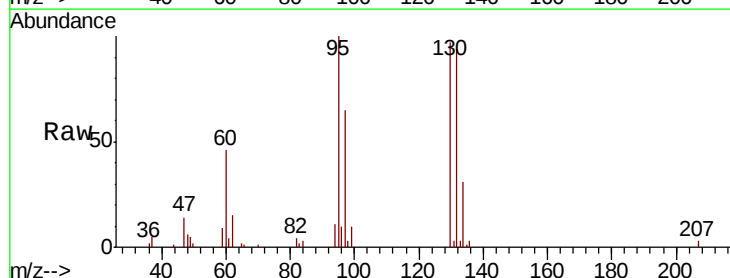
Acq: 13 Mar 2020 11:17

Tgt Ion:130 Resp: 40736

Ion Ratio Lower Upper

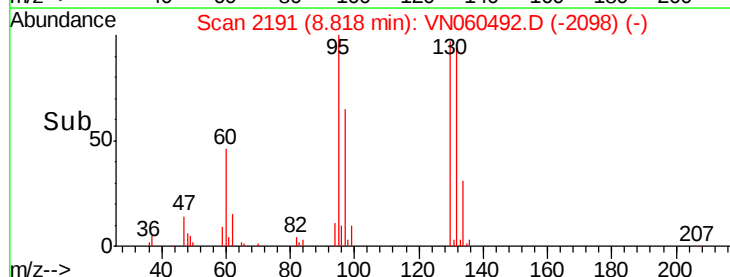
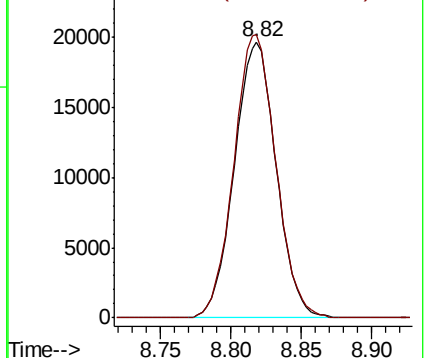
130 100

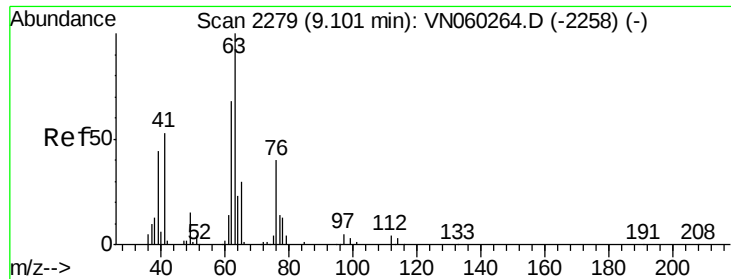
95 102.6 0.0 203.4



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

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





#45

1,2-Dichloropropane

Concen: 19.552 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

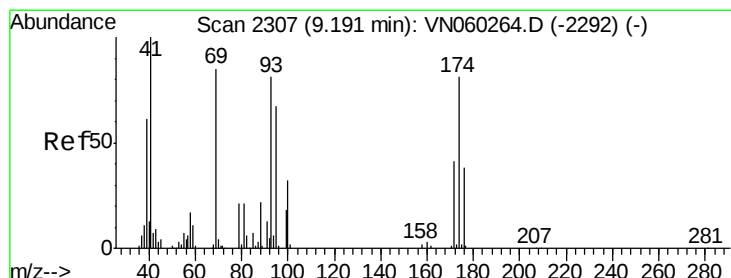
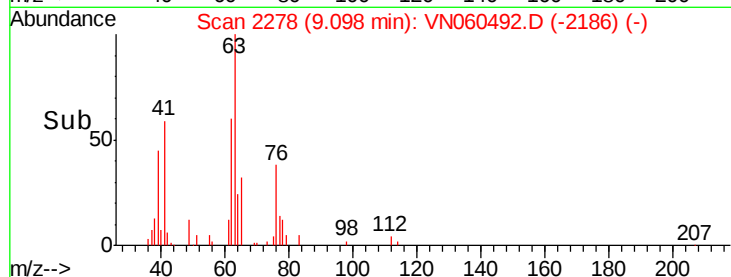
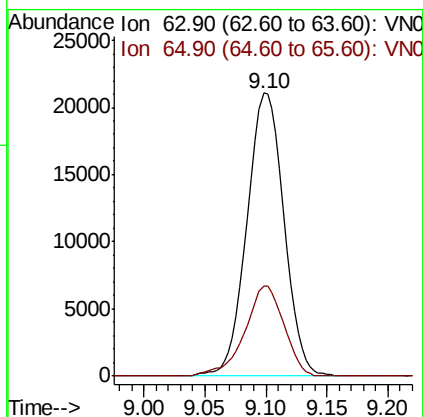
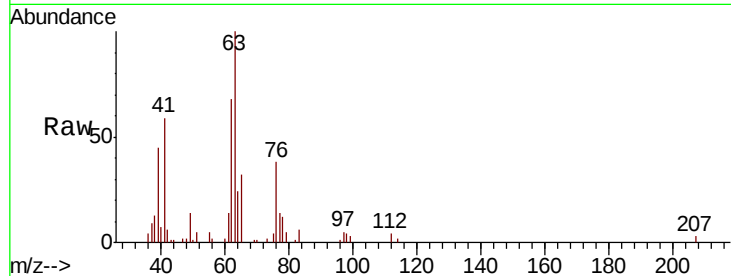
VN0313MBS01

Tot Ion: 63 Resp: 44271

Ion Ratio Lower Upper

63 100

65 31.9 24.4 36.6



#46

Dibromomethane

Concen: 18.870 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

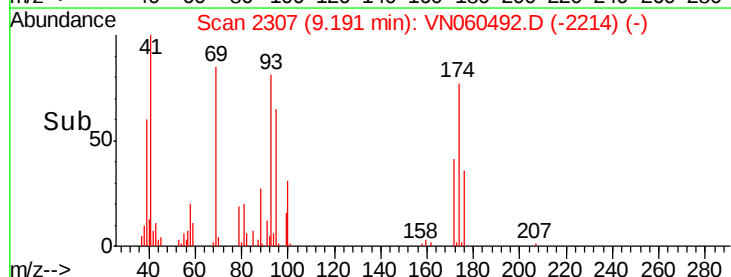
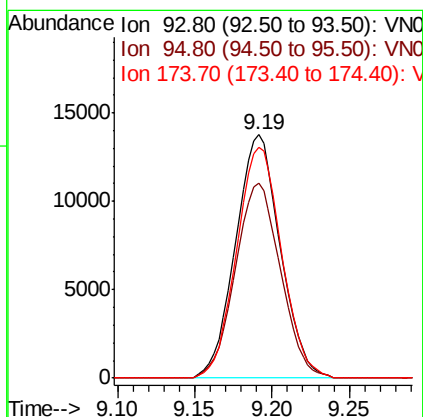
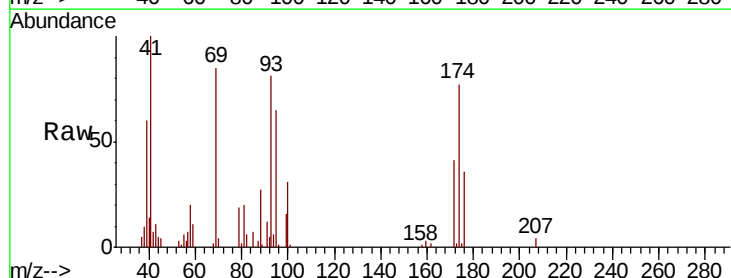
Tgt Ion: 93 Resp: 27723

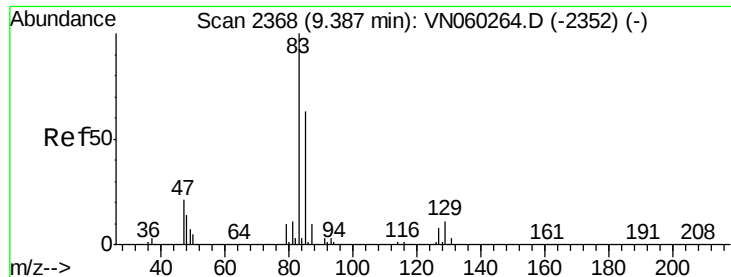
Ion Ratio Lower Upper

93 100

95 80.8 65.9 98.9

174 95.3 79.6 119.4





#47

Bromodichloromethane

Concen: 18.784 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

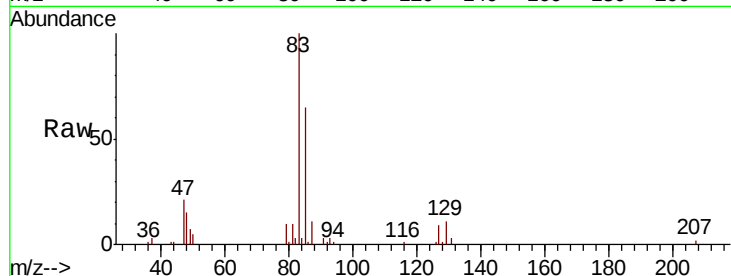
Tot Ion: 83 Resp: 56127

Ion Ratio Lower Upper

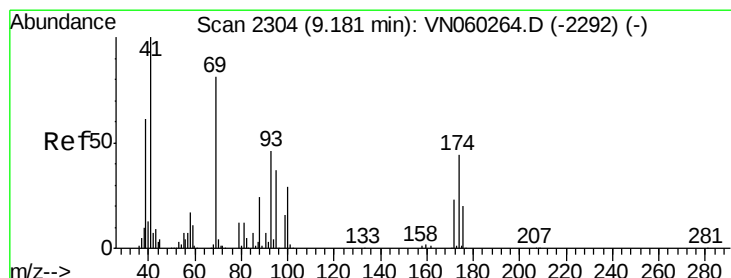
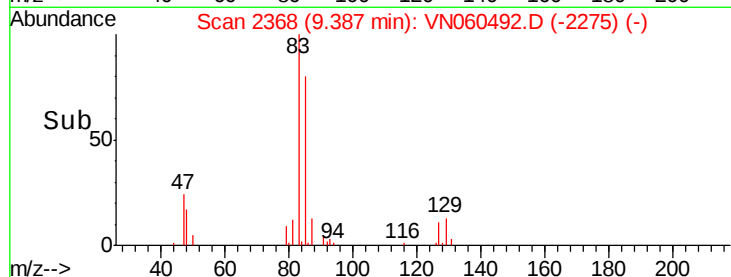
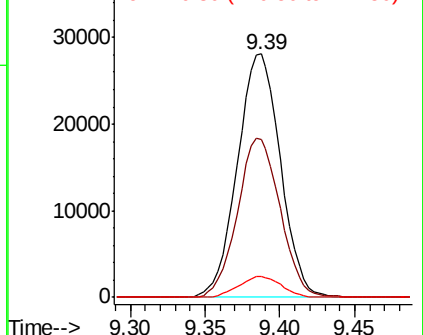
83 100

85 65.0 50.7 76.1

127 8.6 6.8 10.2



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



#48

Methyl methacrylate

Concen: 19.298 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

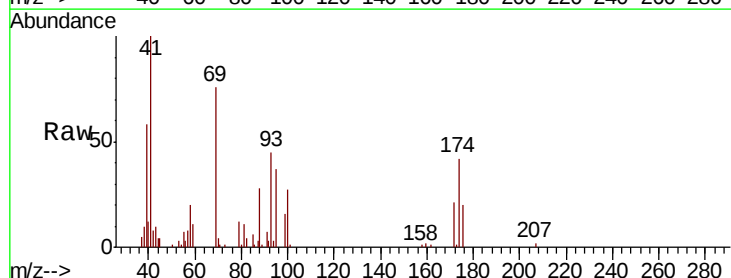
Tgt Ion: 41 Resp: 43405

Ion Ratio Lower Upper

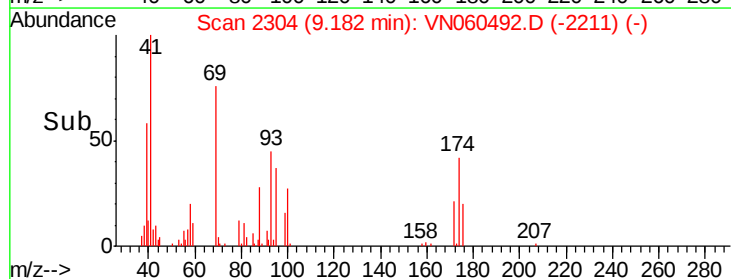
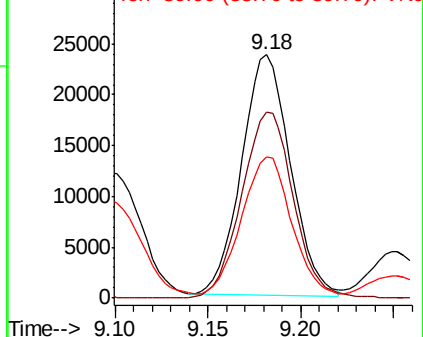
41 100

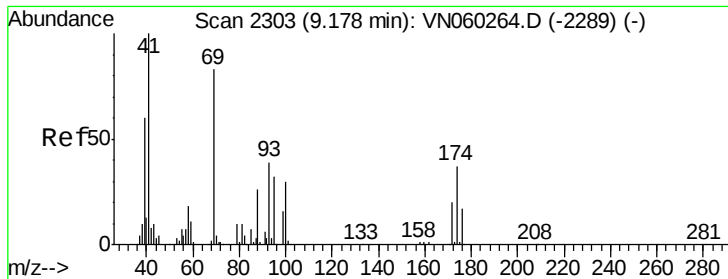
69 81.9 66.7 100.1

39 62.0 50.1 75.1



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

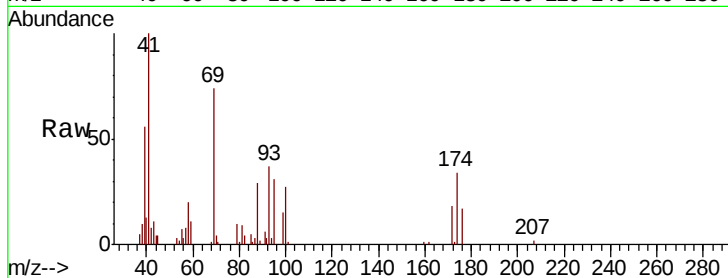




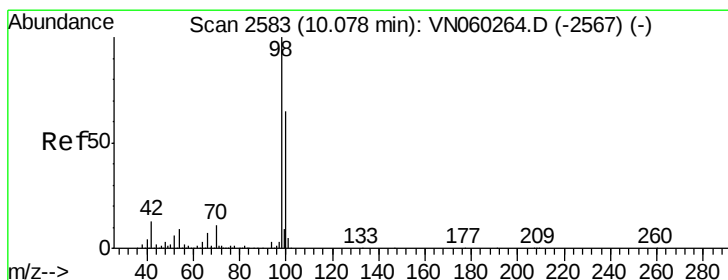
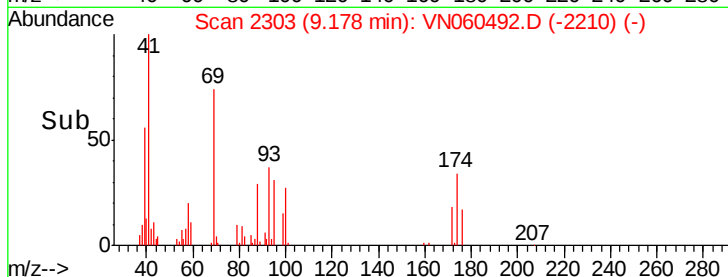
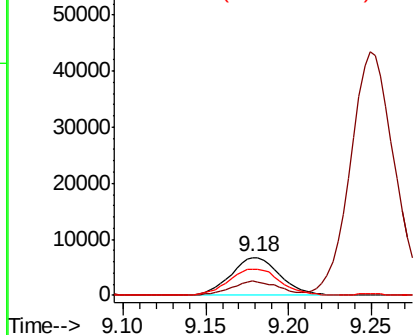
#49
1,4-Dioxane
Concen: 438.702 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion: 88 Resp: 13876
Ion Ratio Lower Upper
88 100
43 36.0 30.4 45.6
58 73.0 57.0 85.6

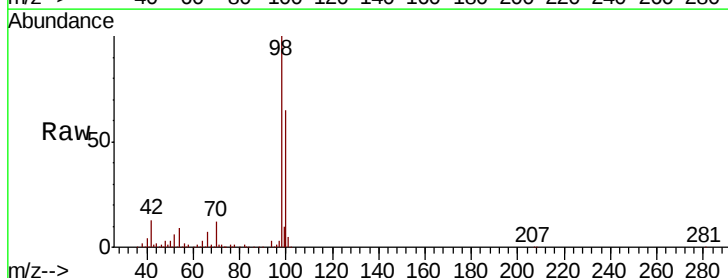


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

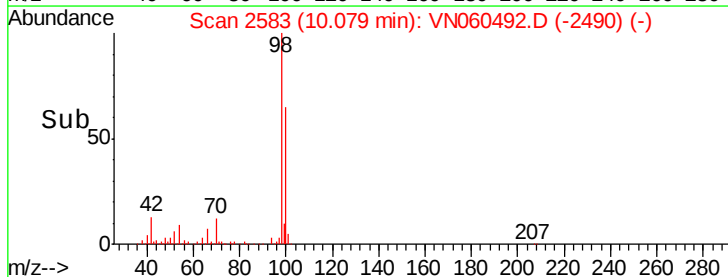
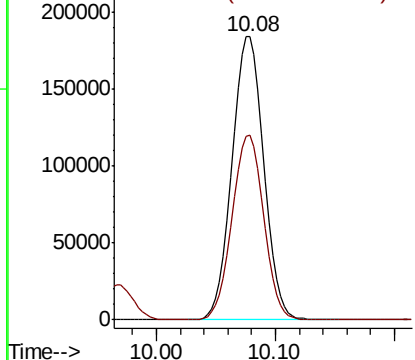


#50
Toluene-d8
Concen: 46.442 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion: 98 Resp: 340619
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 106.584 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

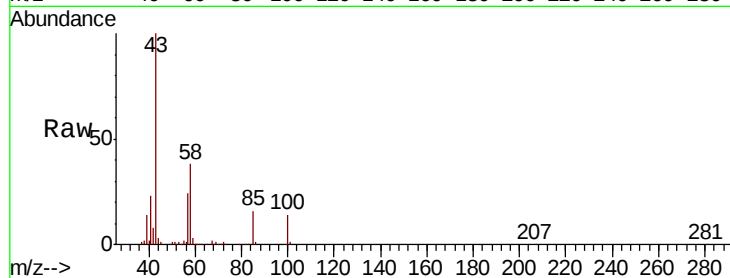
VN0313MBS01

Tot Ion: 43 Resp: 298064

Ion Ratio Lower Upper

43 100

58 38.4 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

9.97

150000

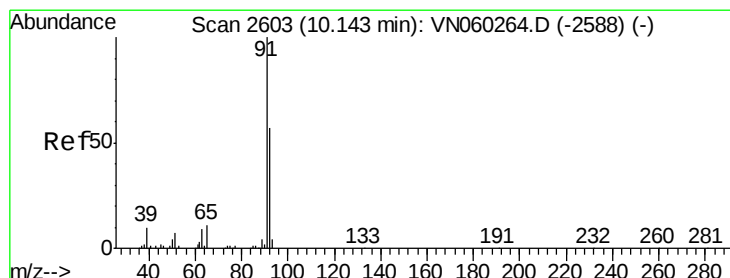
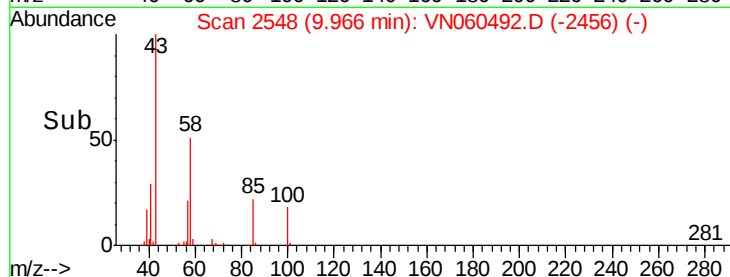
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 17.548 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060492.D

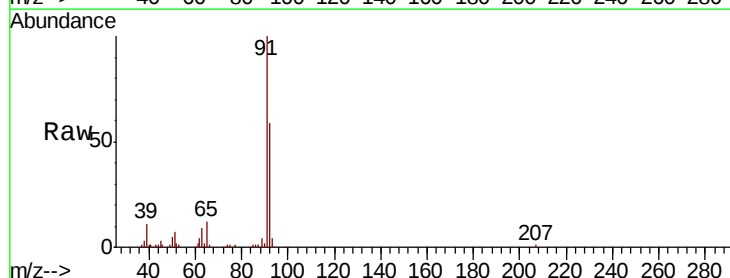
Acq: 13 Mar 2020 11:17

Tgt Ion: 92 Resp: 95459

Ion Ratio Lower Upper

92 100

91 172.1 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060264.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-2588) (-)

10.14

100000

80000

60000

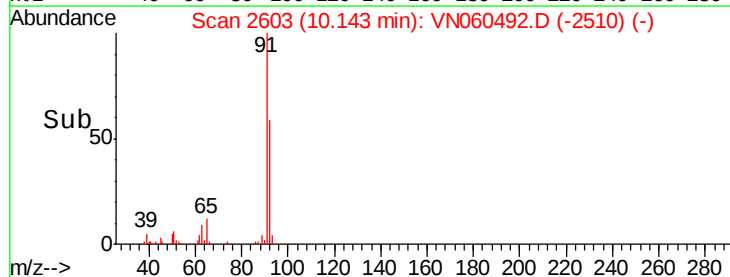
40000

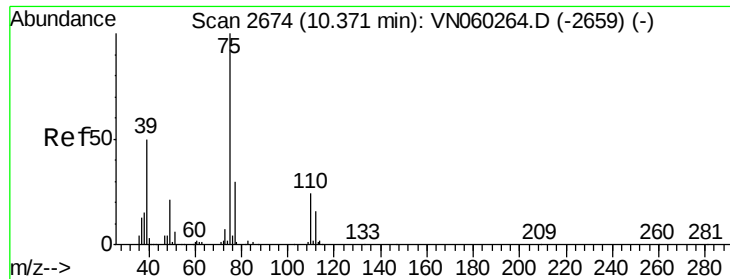
20000

0

10.05 10.10 10.15 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 17.832 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampled :

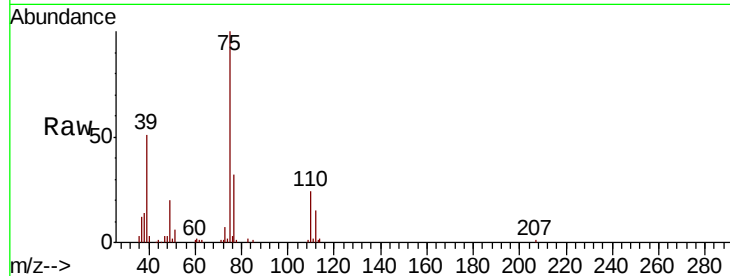
VN0313MBS01

Tot Ion: 75 Resp: 65291

Ion Ratio Lower Upper

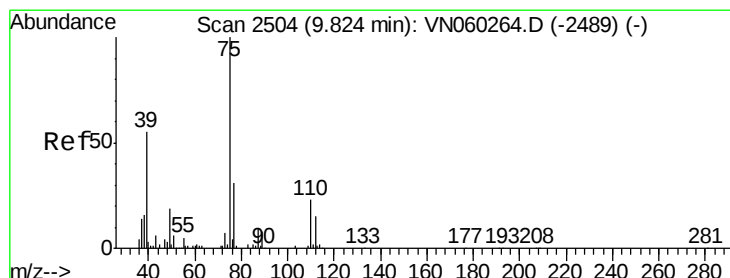
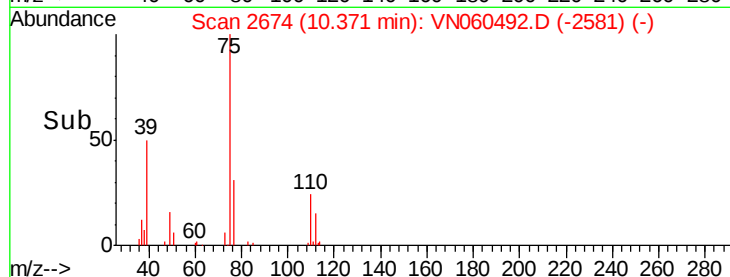
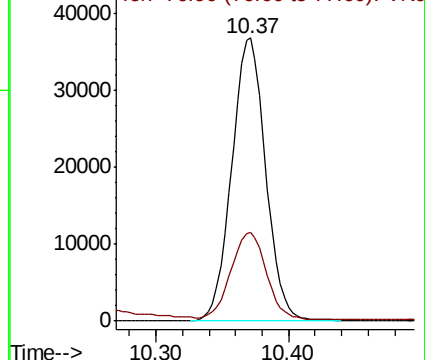
75 100

77 30.8 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: 18.421 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

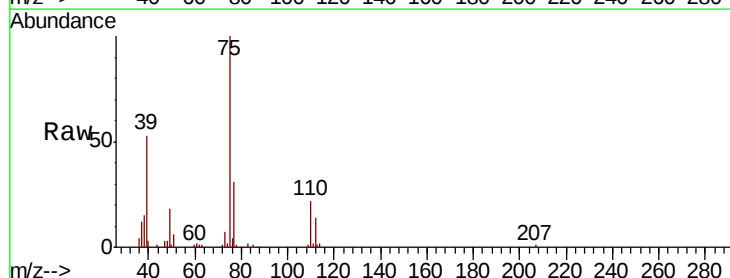
Tgt Ion: 75 Resp: 69889

Ion Ratio Lower Upper

75 100

77 30.6 24.8 37.2

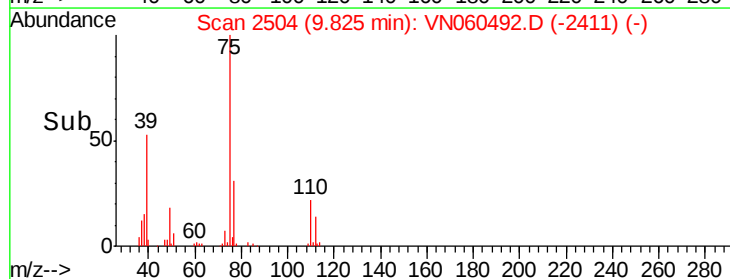
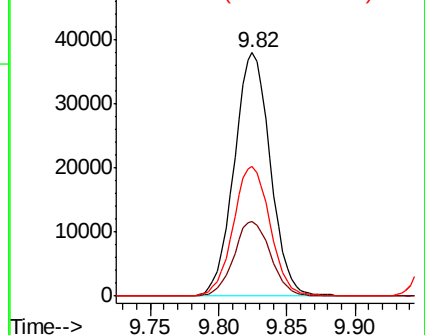
39 53.3 43.8 65.8

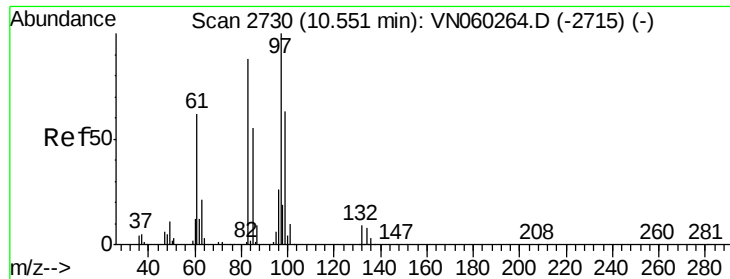


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 18.474 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

Tot Ion: 97 Resp: 40414

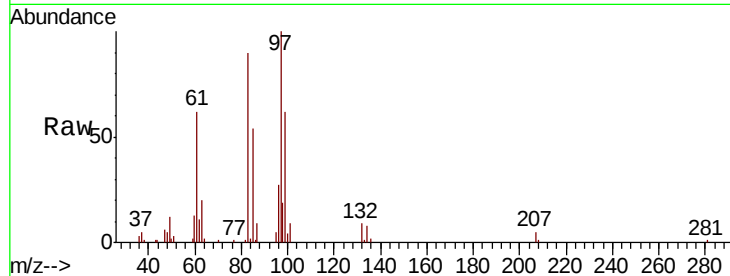
Ion Ratio Lower Upper

97 100

83 89.8 70.0 105.0

85 54.5 44.0 66.0

99 61.6 50.4 75.6

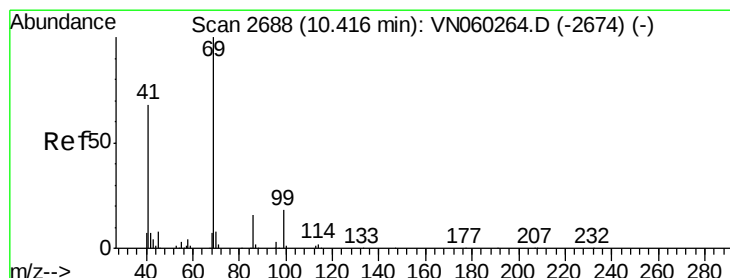
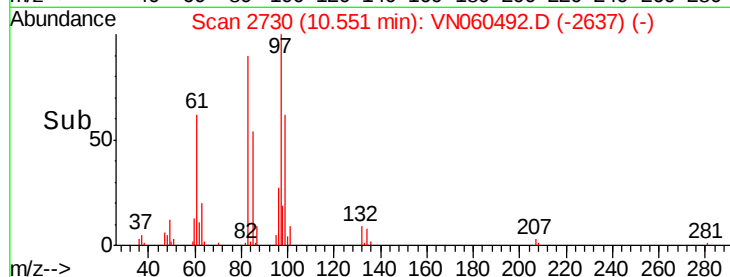
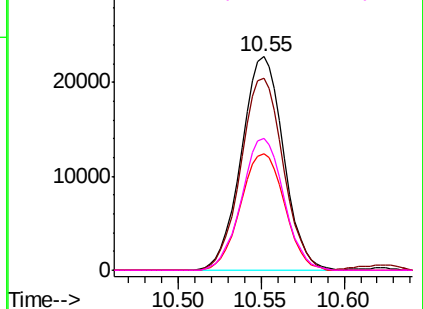


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.501 ug/l

RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

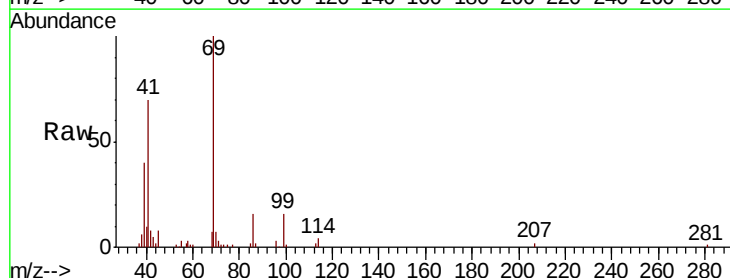
Tgt Ion: 69 Resp: 61289

Ion Ratio Lower Upper

69 100

41 70.2 54.1 81.1

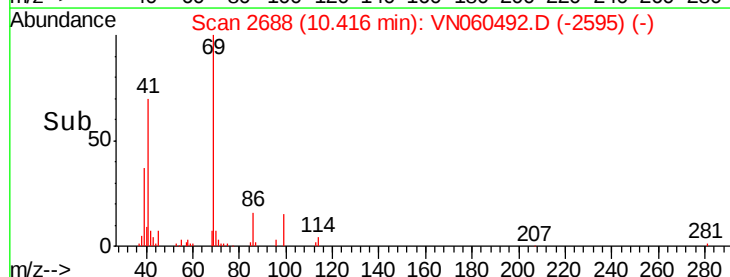
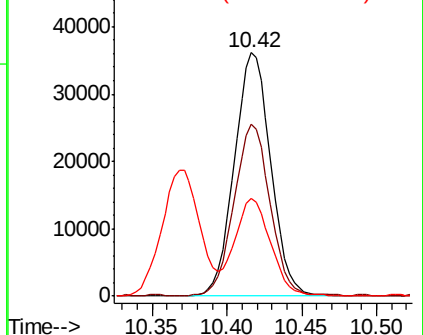
39 39.8 32.5 48.7



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.227 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

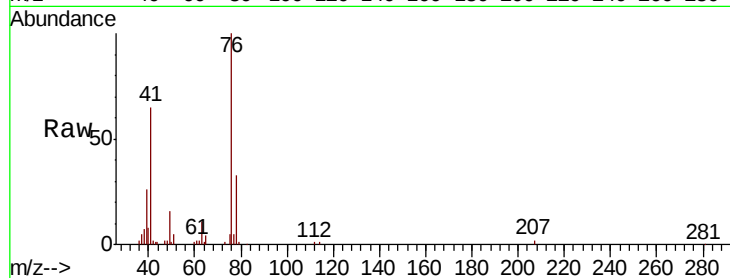
VN0313MBS01

Tot Ion: 76 Resp: 68595

Ion Ratio Lower Upper

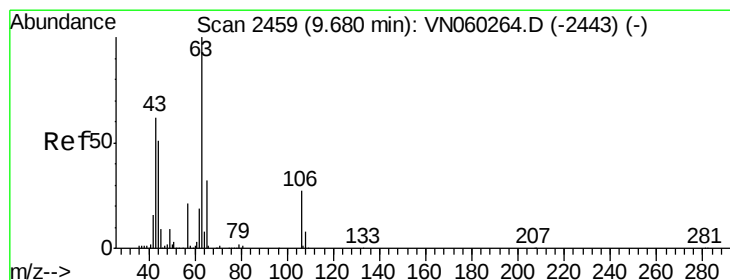
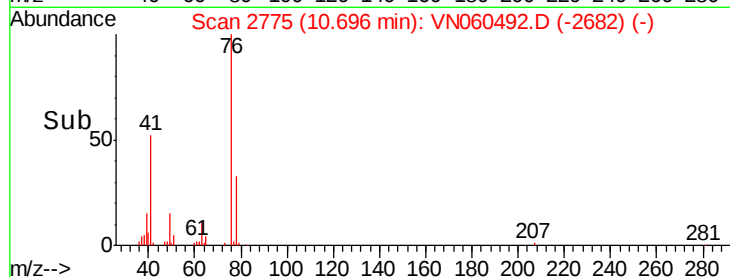
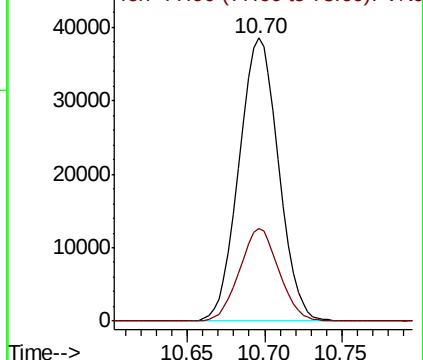
76 100

78 32.5 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 92.651 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060492.D

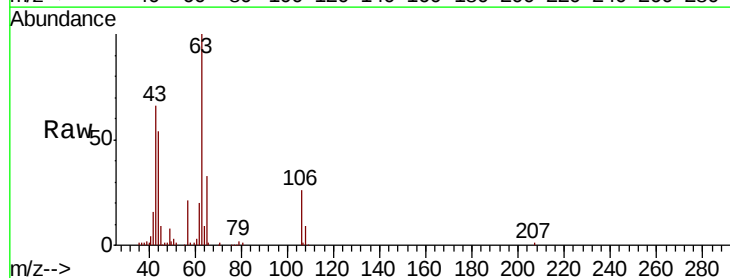
Acq: 13 Mar 2020 11:17

Tgt Ion: 63 Resp: 152296

Ion Ratio Lower Upper

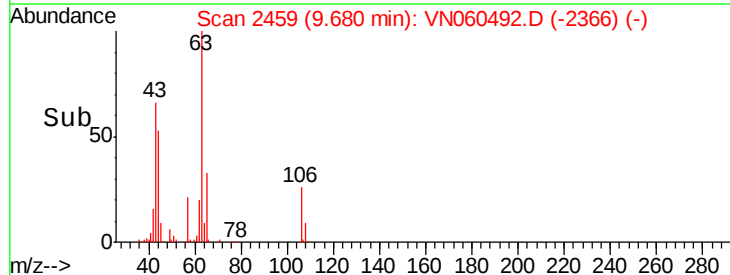
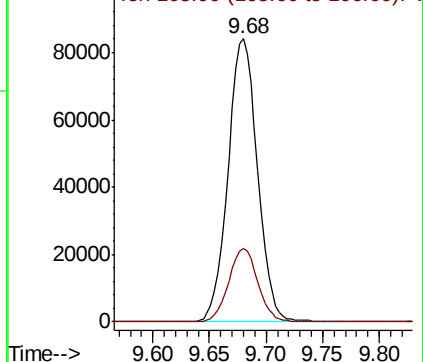
63 100

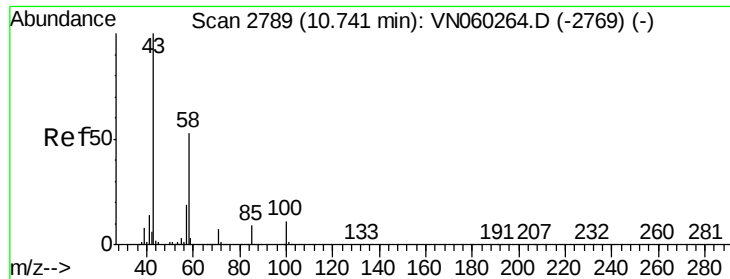
106 25.7 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

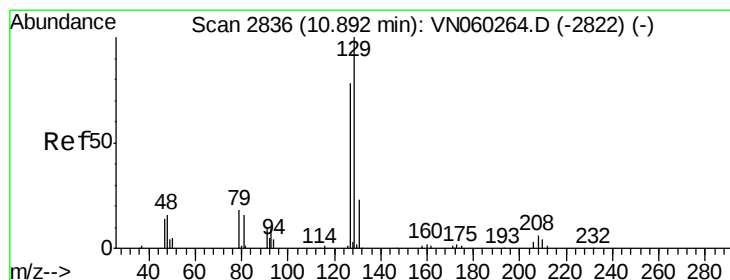
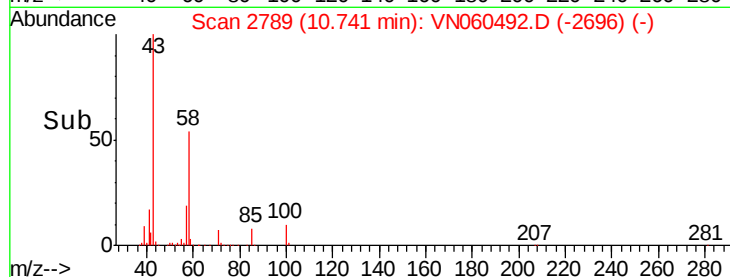
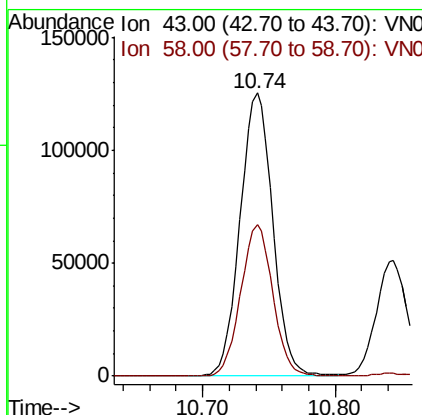
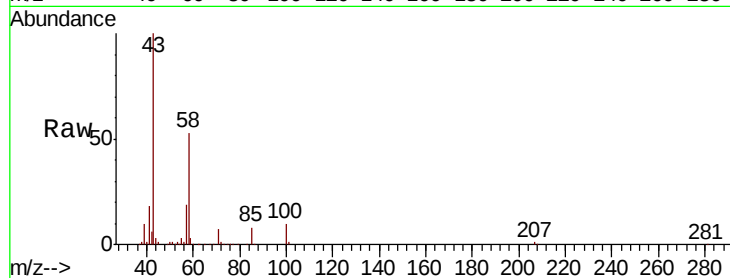




#59
2-Hexanone
Concen: 104.230 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

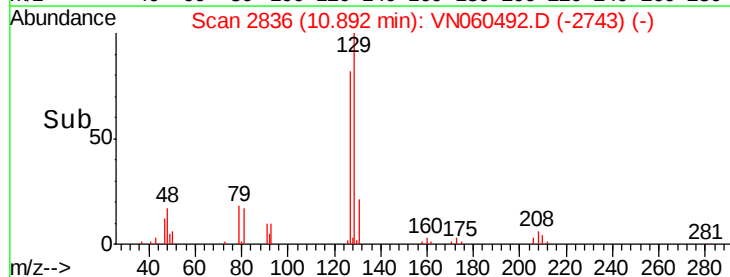
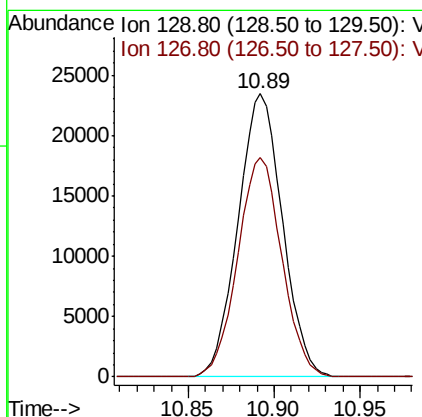
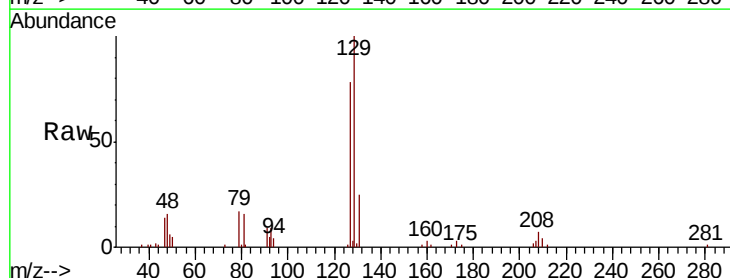
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion: 43 Resp: 214013
Ion Ratio Lower Upper
43 100
58 52.6 26.5 79.5



#60
Dibromochloromethane
Concen: 18.929 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion: 129 Resp: 42113
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





#61

1,2-Dibromoethane

Concen: 19.157 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

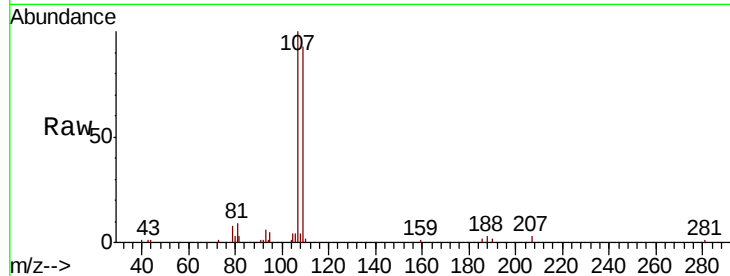
VN0313MBS01

Tot Ion:107 Resp: 40854

Ion Ratio Lower Upper

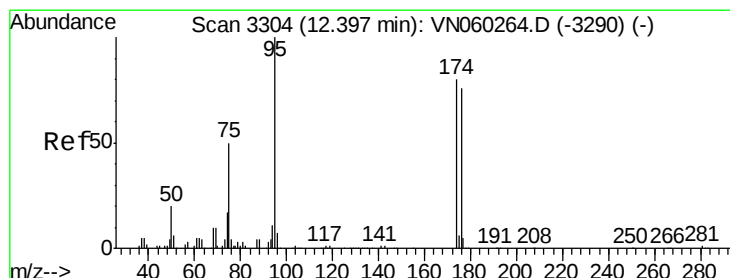
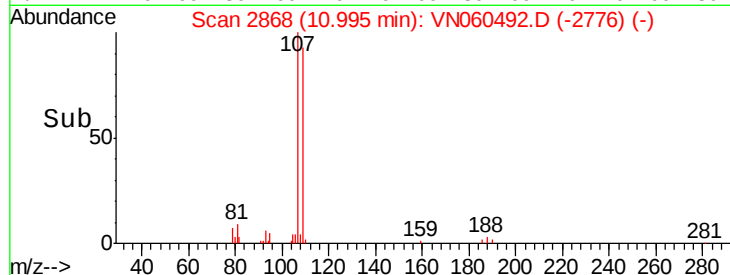
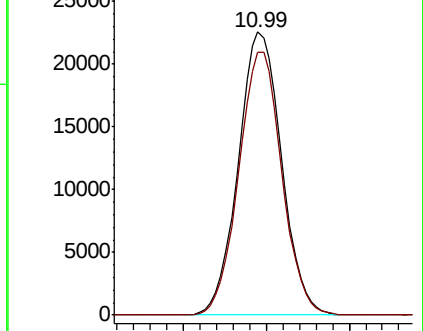
107 100

109 92.5 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.122 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

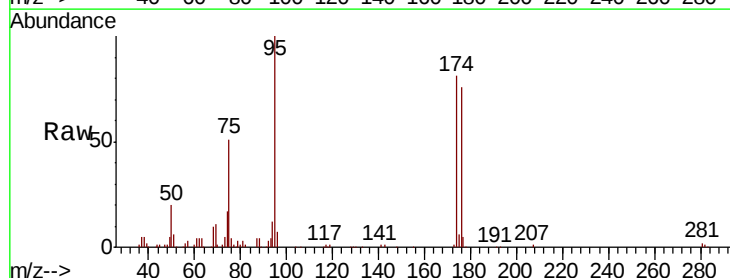
Tgt Ion: 95 Resp: 128231

Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.2

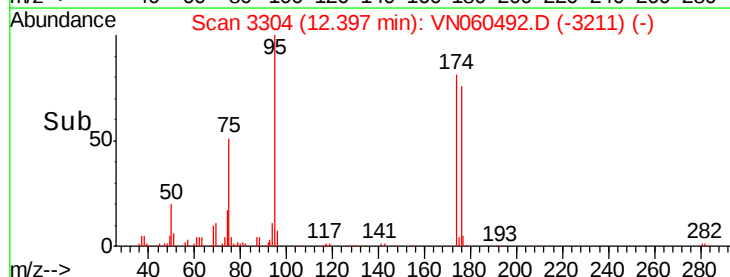
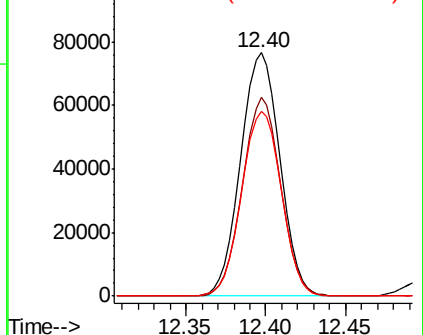
176 76.7 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

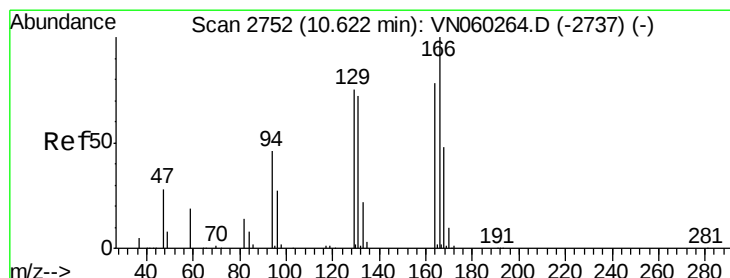
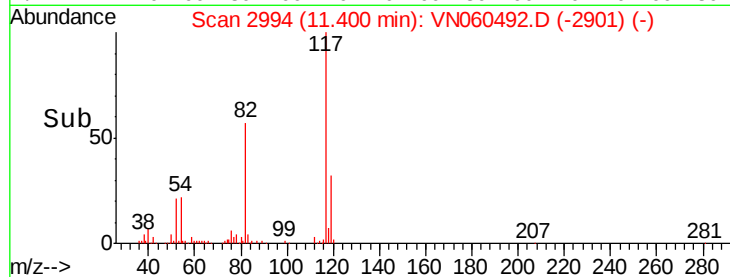
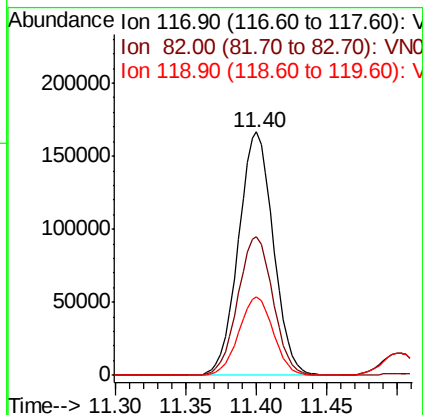
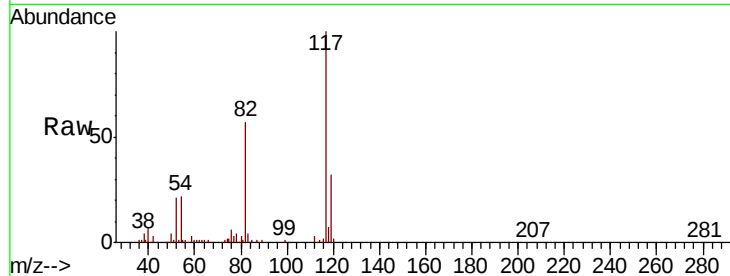




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

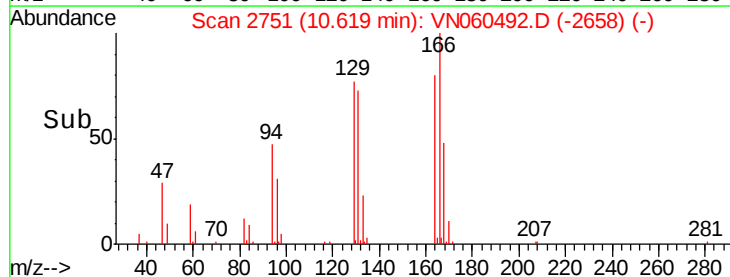
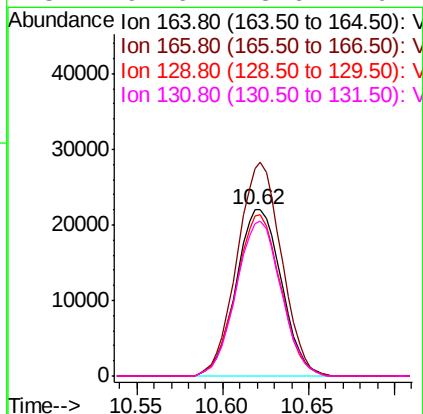
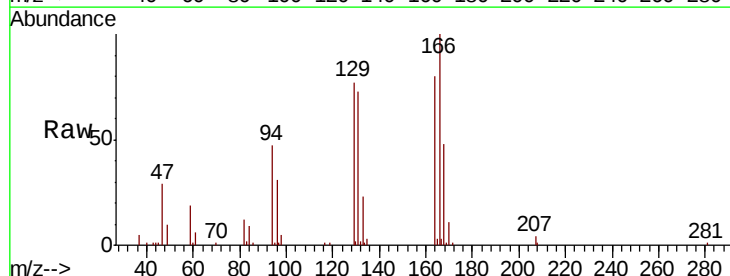
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

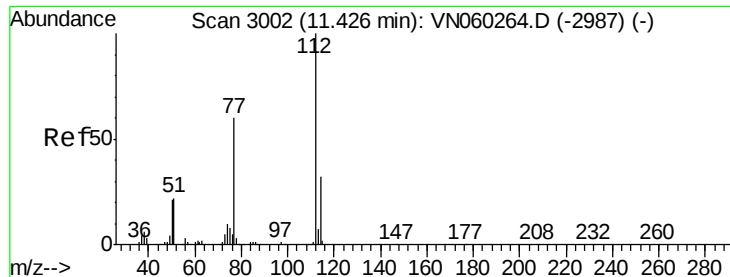
Tot Ion:117 Resp: 288423
Ion Ratio Lower Upper
117 100
82 56.9 45.8 68.6
119 32.3 25.8 38.8



#64
Tetrachloroethene
Concen: 16.780 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion:164 Resp: 40240
Ion Ratio Lower Upper
164 100
166 125.0 102.0 153.0
129 96.1 76.4 114.6
131 91.6 73.6 110.4

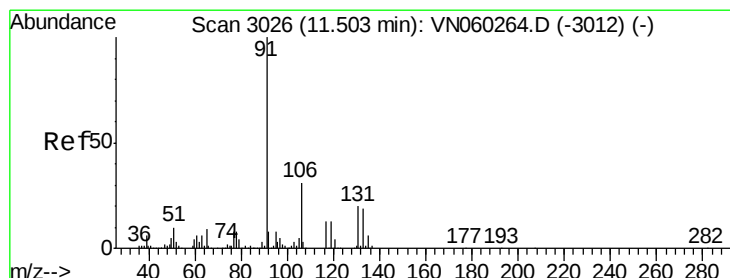
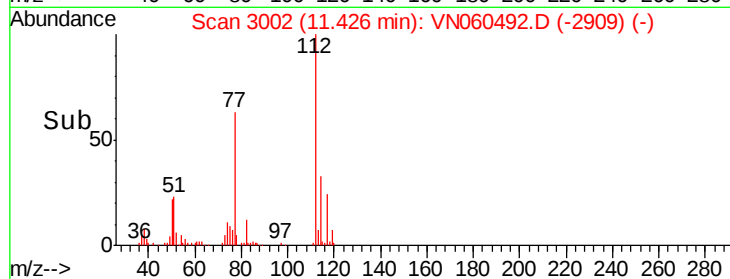
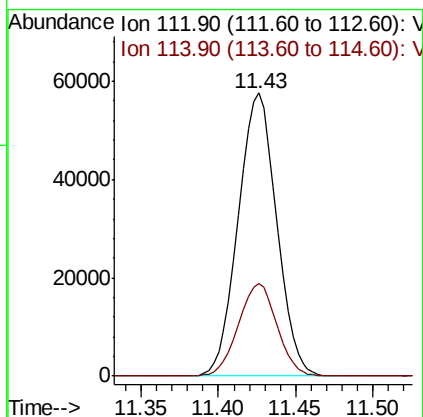
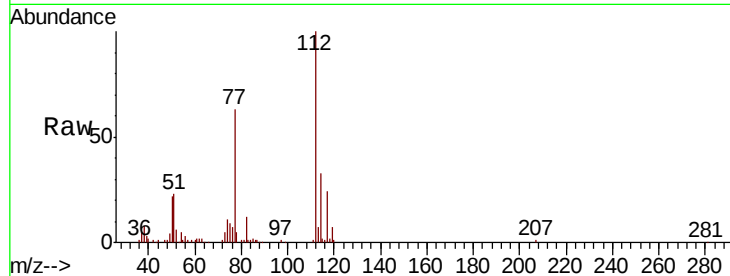




#65
Chlorobenzene
Concen: 17.127 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

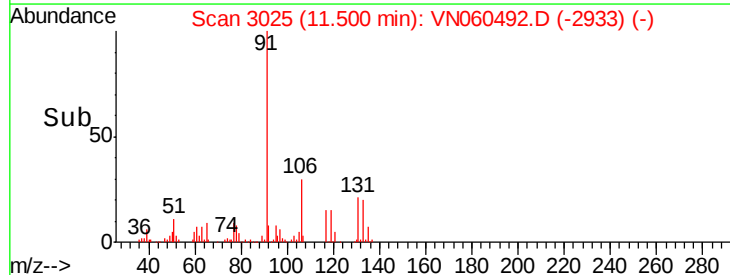
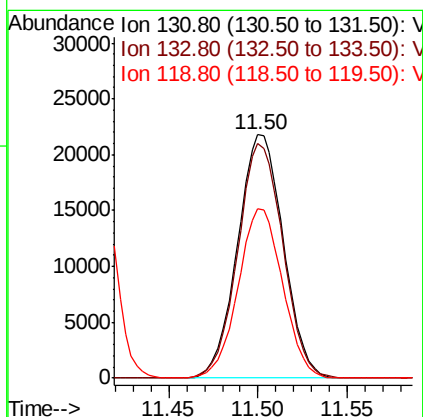
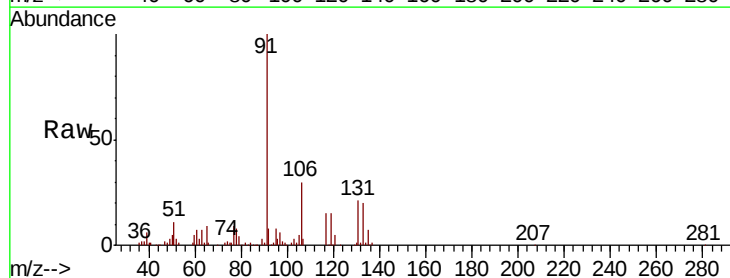
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

Tot Ion:112 Resp: 99750
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.115 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion:131 Resp: 39009
Ion Ratio Lower Upper
131 100
133 95.3 47.7 143.1
119 67.8 33.2 99.6

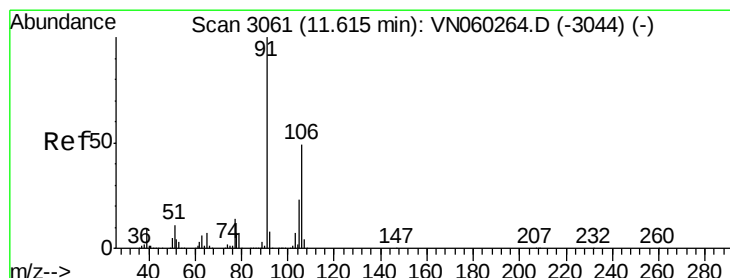
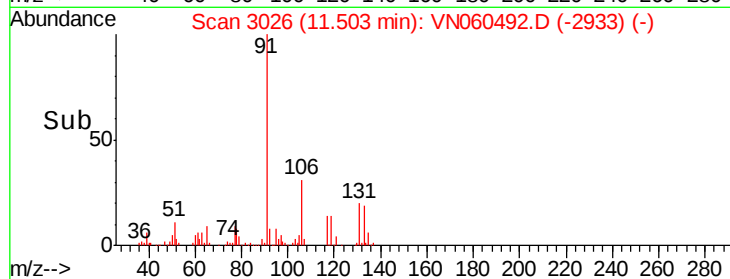
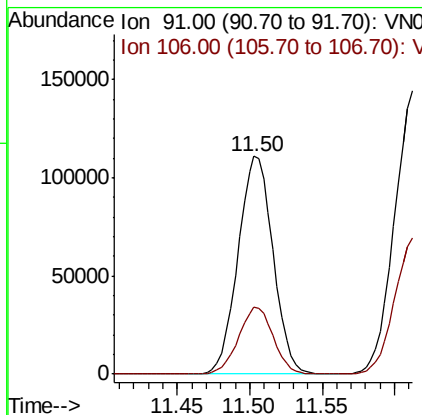
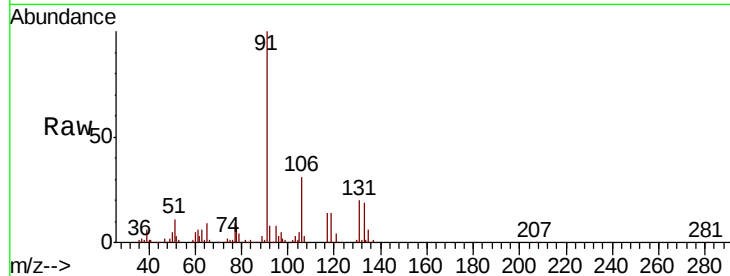




#67
Ethyl Benzene
Concen: 17.528 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

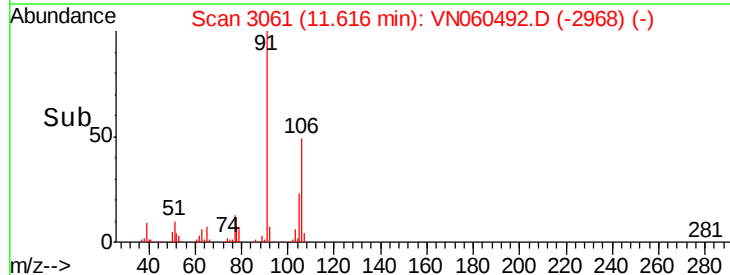
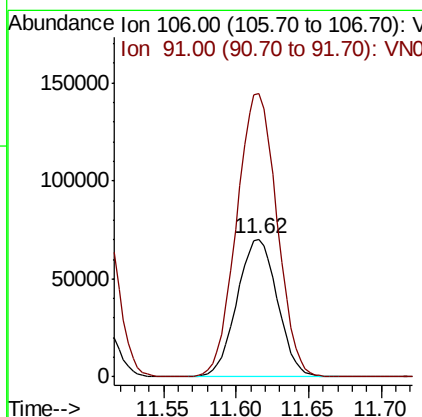
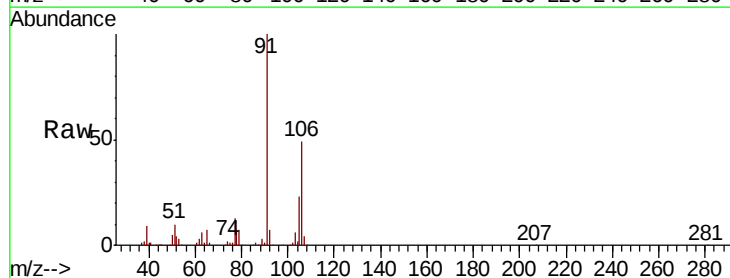
Instrument :
MSVOA_N
ClientSampled :
VN0313MBS01

Tot Ion: 91 Resp: 185902
Ion Ratio Lower Upper
91 100
106 30.6 24.7 37.1



#68
m/p-Xylenes
Concen: 34.000 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion: 106 Resp: 136054
Ion Ratio Lower Upper
106 100
91 205.8 164.5 246.7

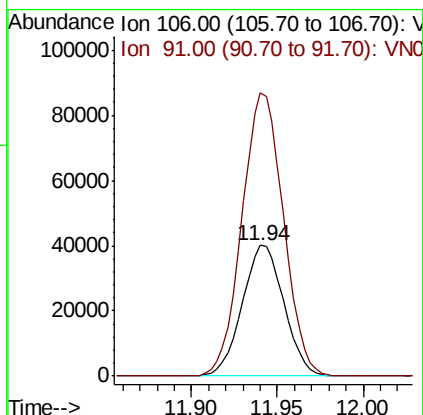
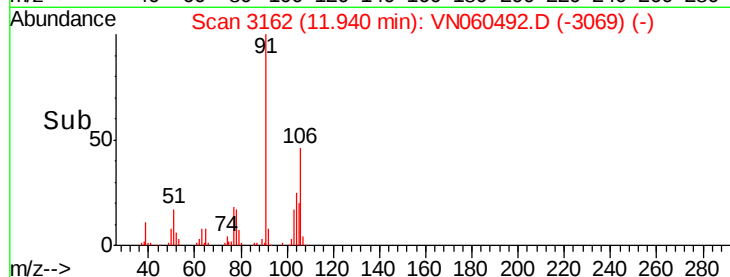
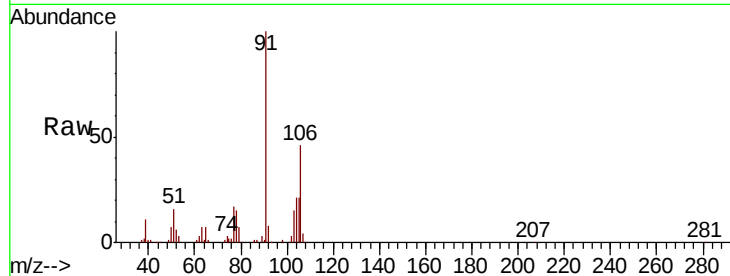




#69
o-Xylene
Concen: 17.633 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

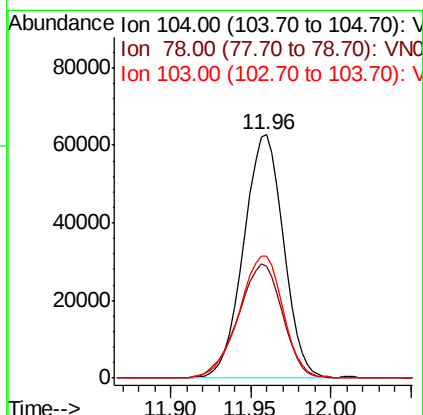
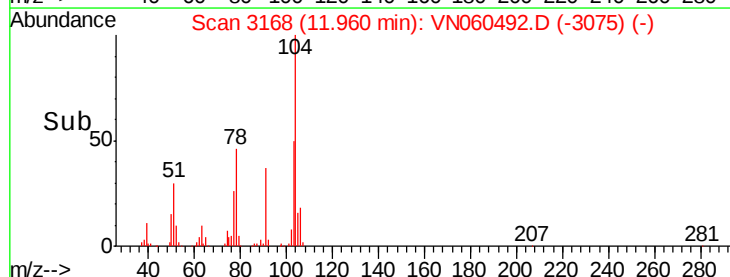
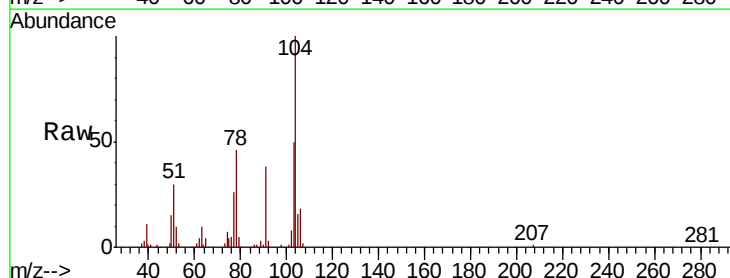
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

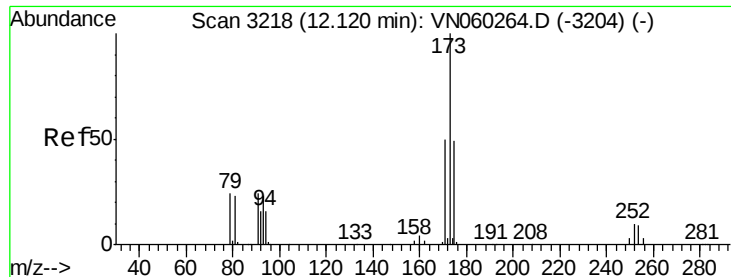
Tot Ion:106 Resp: 67283
Ion Ratio Lower Upper
106 100
91 216.3 109.5 328.4



#70
Styrene
Concen: 17.074 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion:104 Resp: 107115
Ion Ratio Lower Upper
104 100
78 52.1 41.2 61.8
103 55.4 43.9 65.9

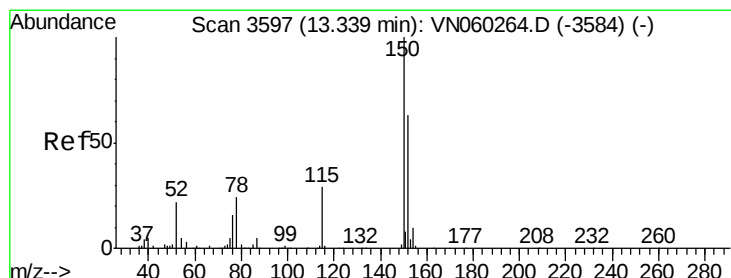
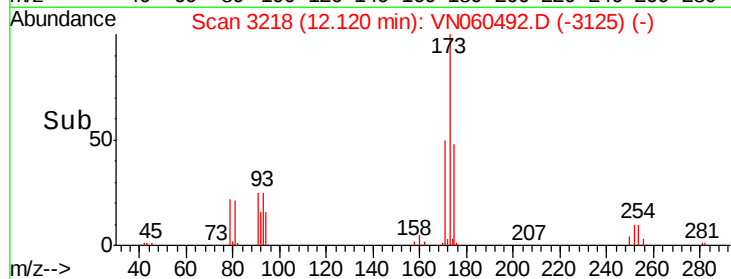
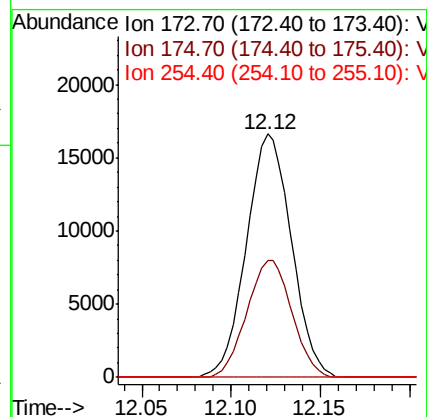
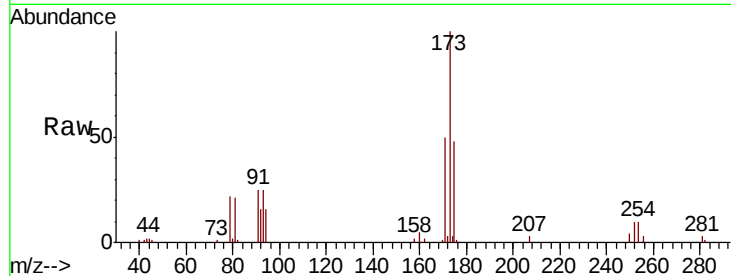




#71
Bromoform
Concen: 18.915 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

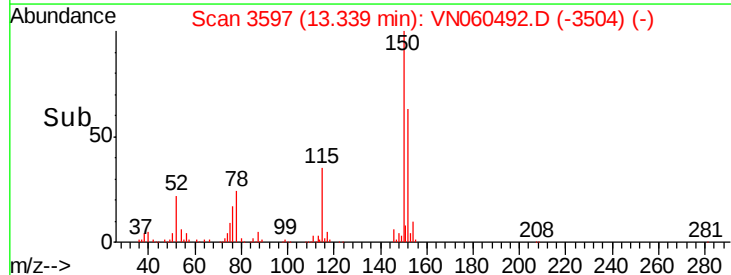
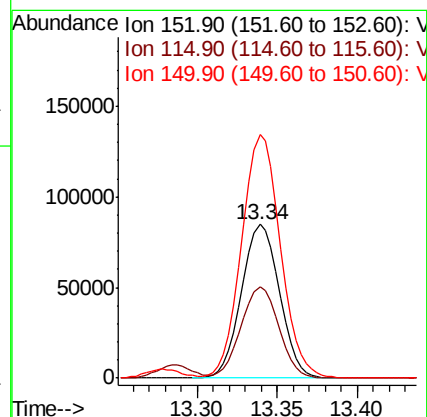
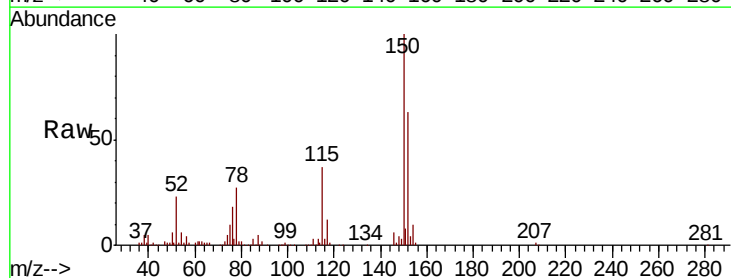
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

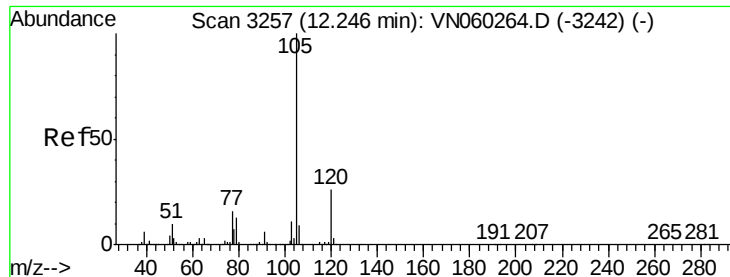
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.2
254	0.0	0.0	0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.0	90.0
150	162.1	0.0	349.6





#73

Isopropylbenzene

Concen: 17.551 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

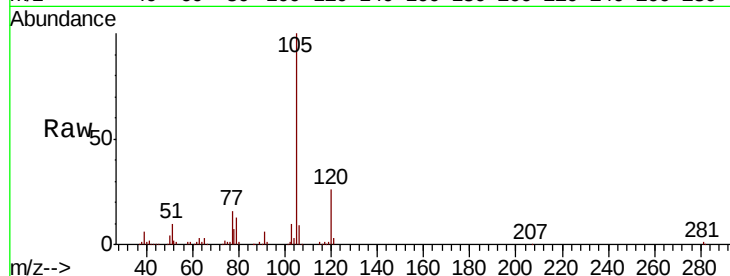
VN0313MBS01

Tot Ion:105 Resp: 178601

Ion Ratio Lower Upper

105 100

120 26.4 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

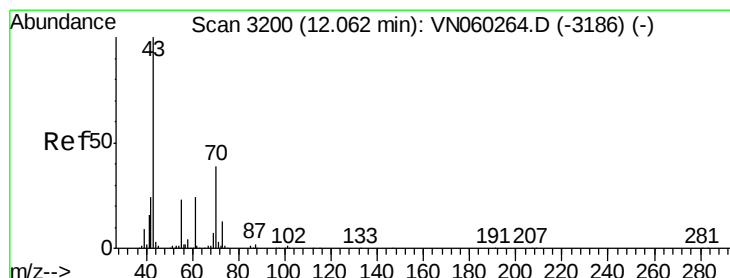
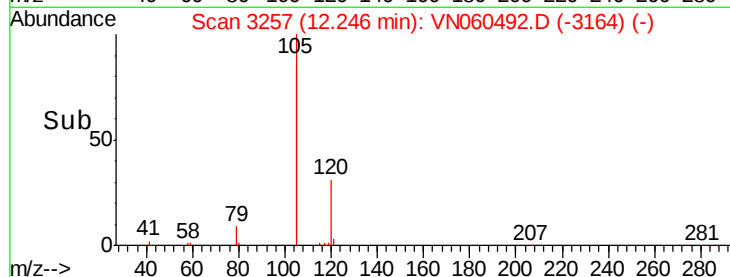
40000

20000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 19.618 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Tgt Ion: 43 Resp: 87235

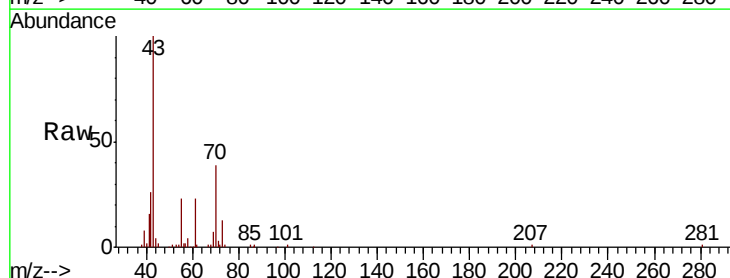
Ion Ratio Lower Upper

43 100

70 37.6 32.2 48.2

55 23.0 18.2 27.4

61 23.0 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

80000

60000

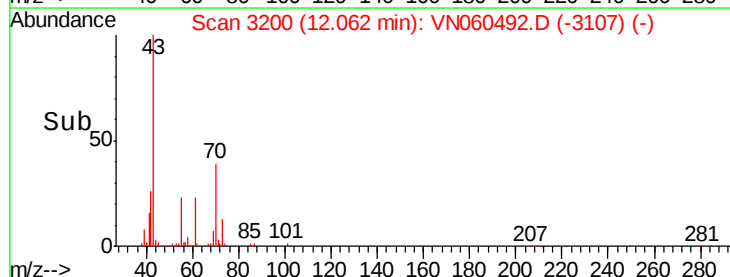
40000

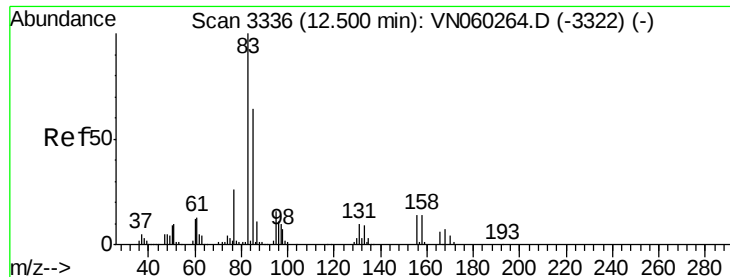
20000

0

12.00 12.10 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.972 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

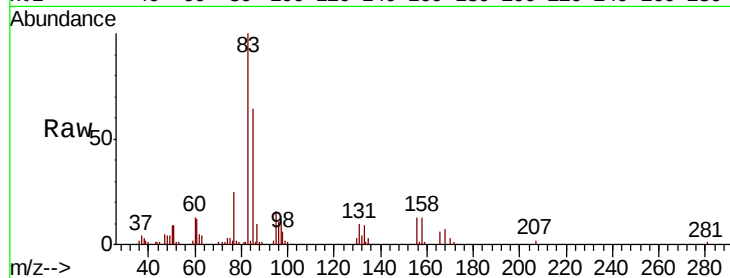
Tot Ion: 83 Resp: 58011

Ion Ratio Lower Upper

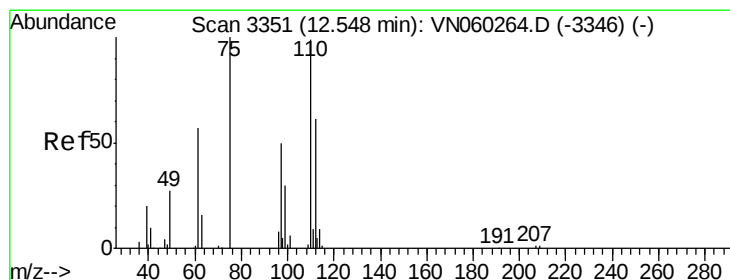
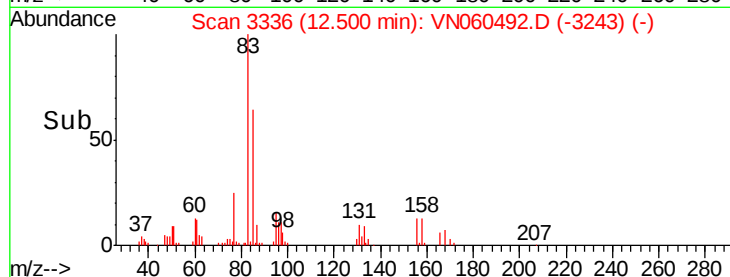
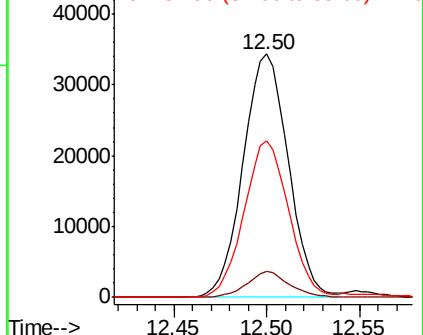
83 100

131 9.7 5.1 15.3

85 63.5 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 26.223 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060492.D

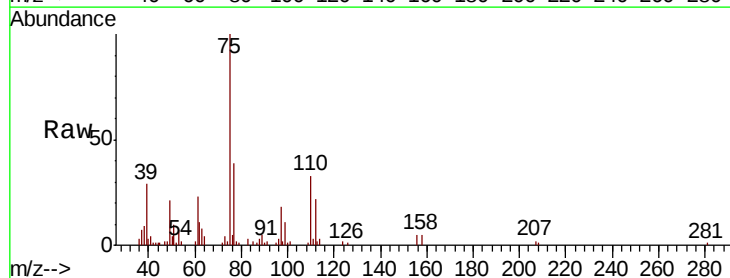
Acq: 13 Mar 2020 11:17

Tgt Ion: 75 Resp: 78989

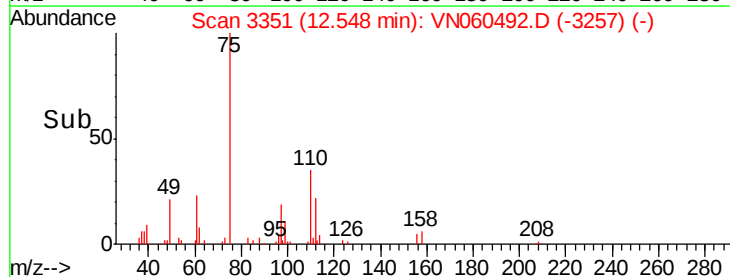
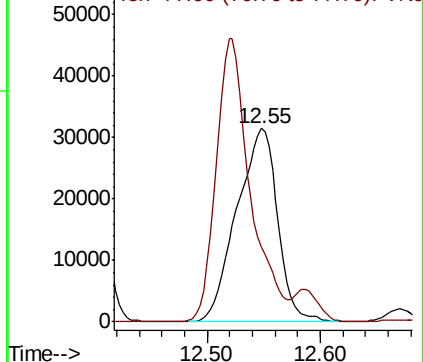
Ion Ratio Lower Upper

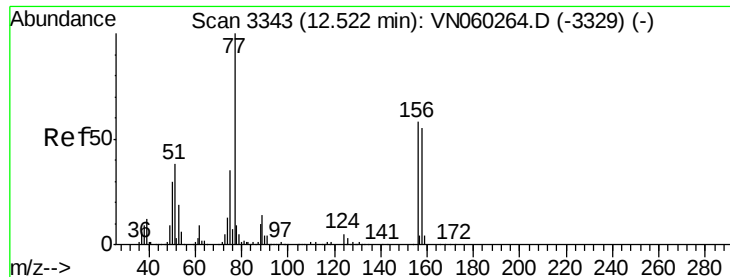
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 17.683 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

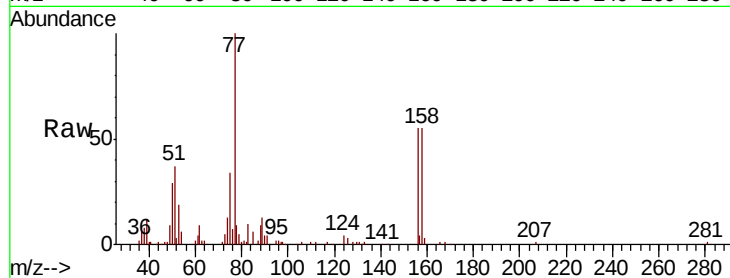
Tot Ion:156 Resp: 44110

Ion Ratio Lower Upper

156 100

77 218.1 106.1 318.3

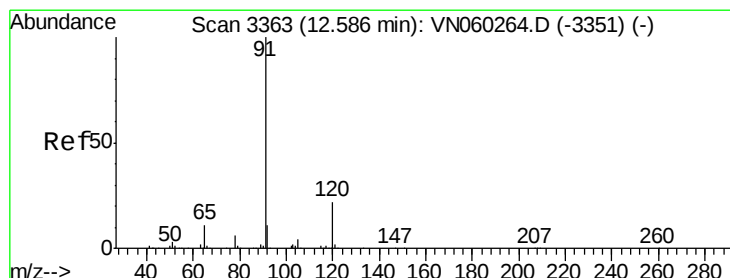
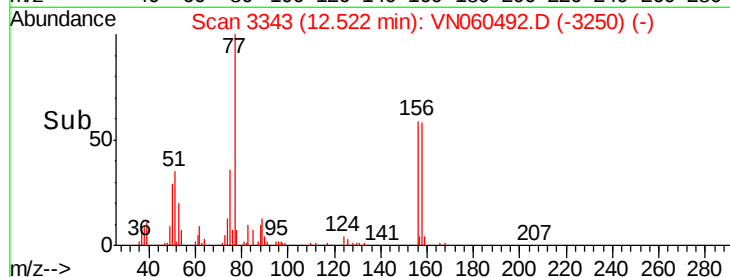
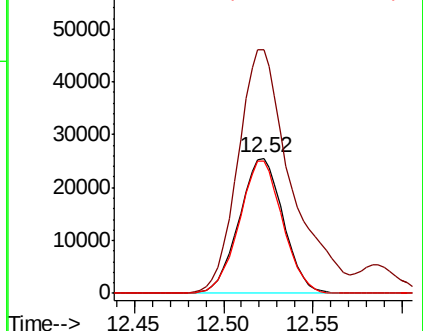
158 96.2 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 17.519 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060492.D

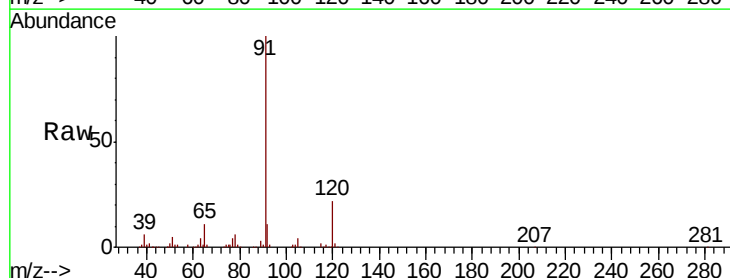
Acq: 13 Mar 2020 11:17

Tgt Ion: 91 Resp: 208977

Ion Ratio Lower Upper

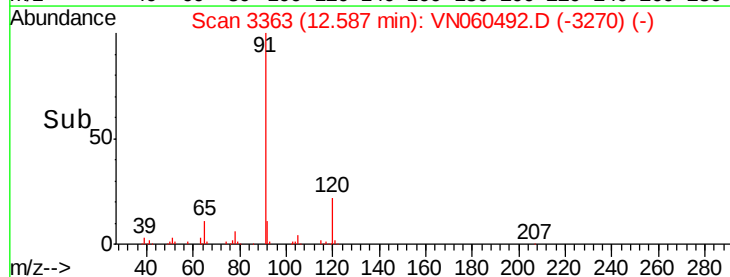
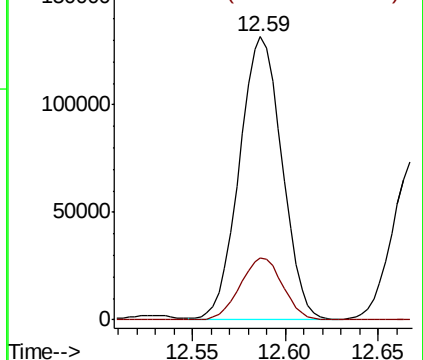
91 100

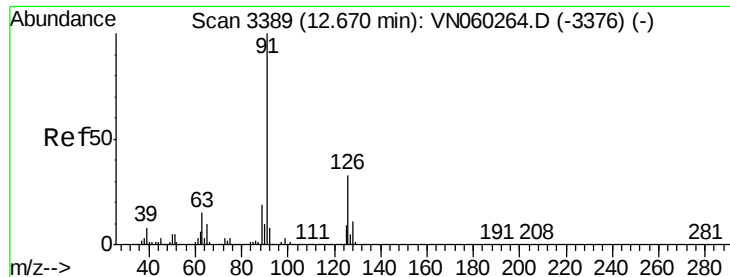
120 22.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

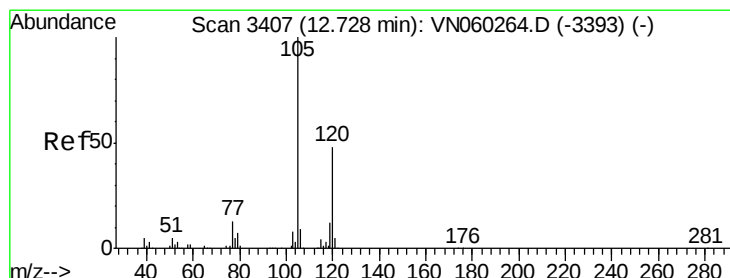
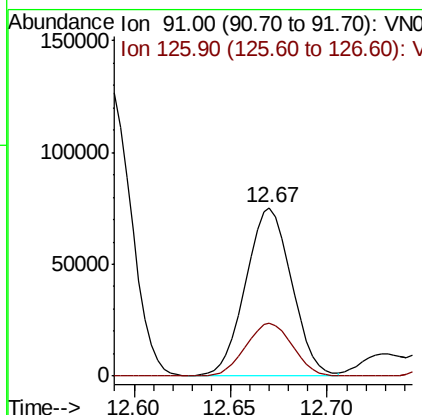
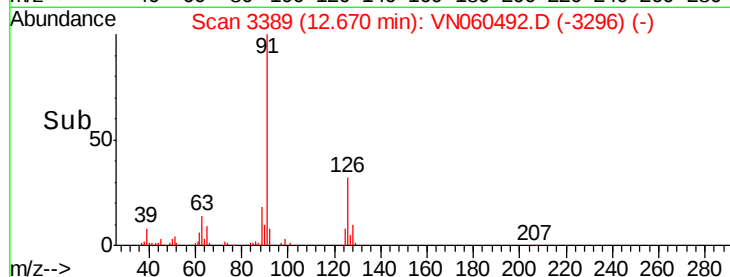
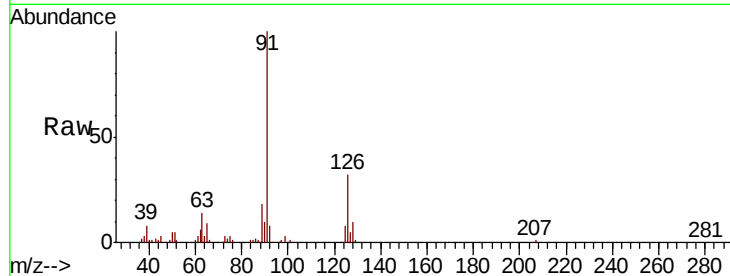




#79
 2-Chlorotoluene
 Concen: 17.744 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

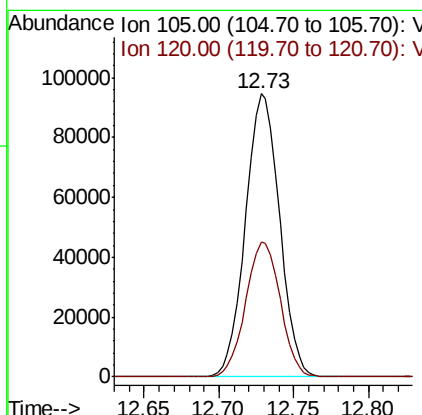
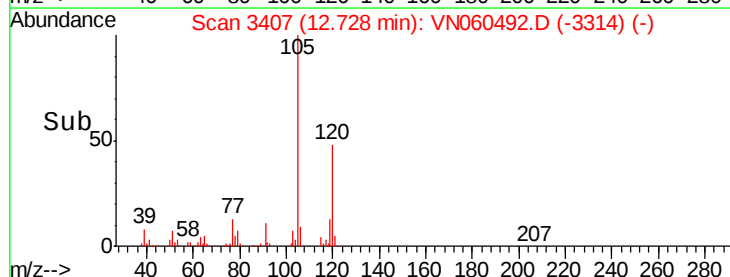
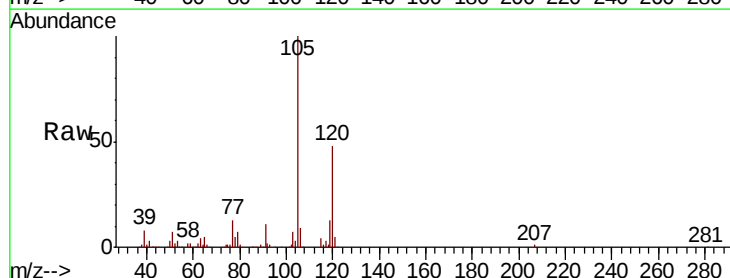
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Tot Ion: 91 Resp: 124418
 Ion Ratio Lower Upper
 91 100
 126 32.3 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 17.559 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion: 105 Resp: 150443
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.1 72.4

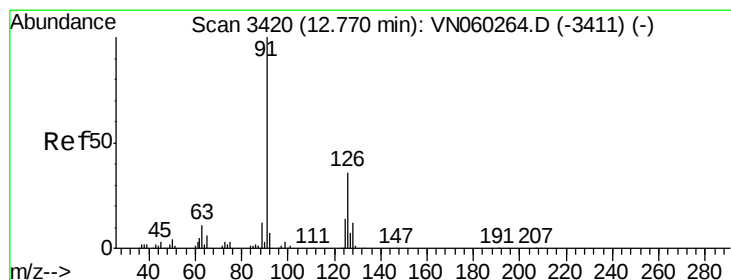
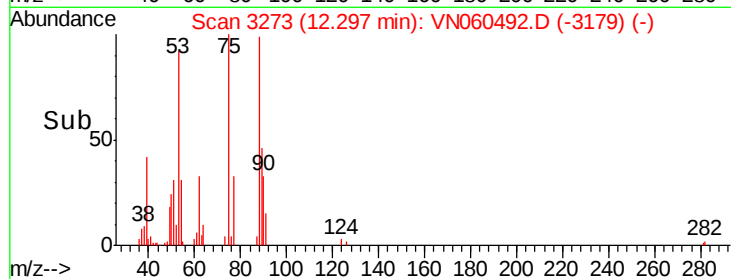
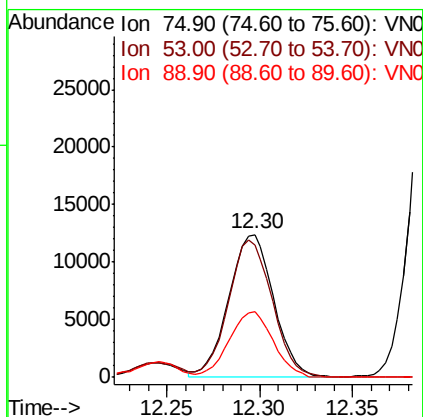
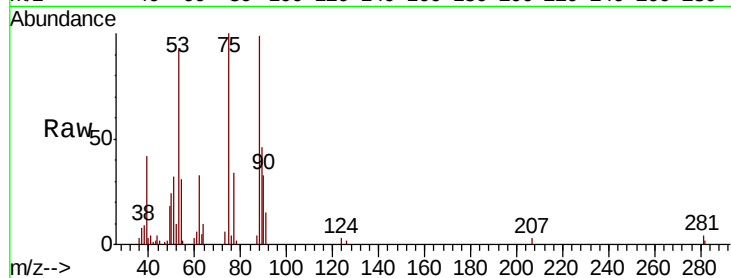




#81
trans-1,4-Dichloro-2-butene
Concen: 19.153 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

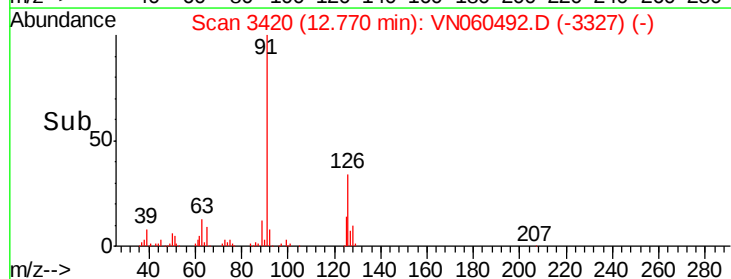
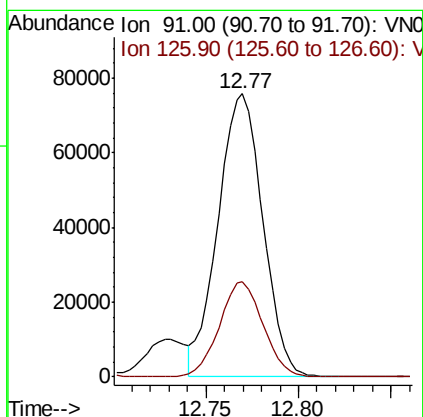
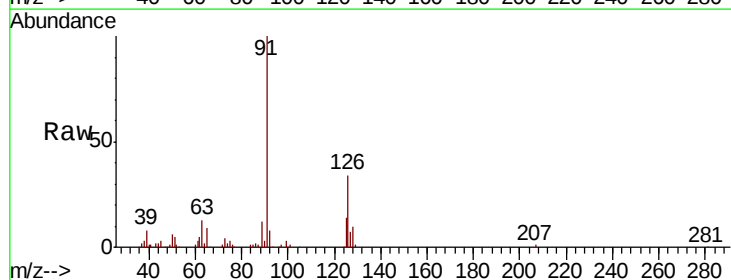
Instrument :
MSVOA_N
ClientSampleId :
VN0313MBS01

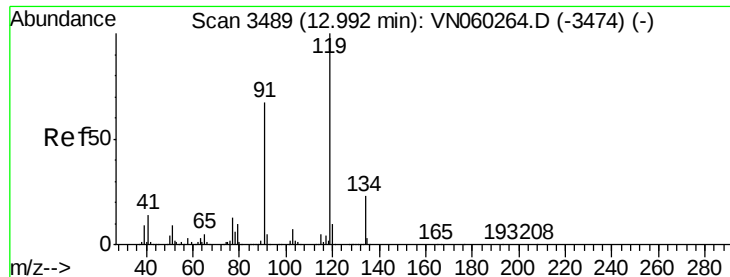
Tot Ion: 75 Resp: 20900
Ion Ratio Lower Upper
75 100
53 94.0 73.8 110.6
89 44.9 57.1 85.7#



#82
4-Chlorotoluene
Concen: 17.203 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion: 91 Resp: 127085
Ion Ratio Lower Upper
91 100
126 32.7 16.7 50.1

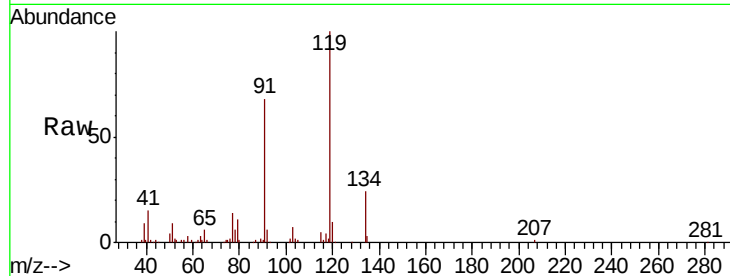




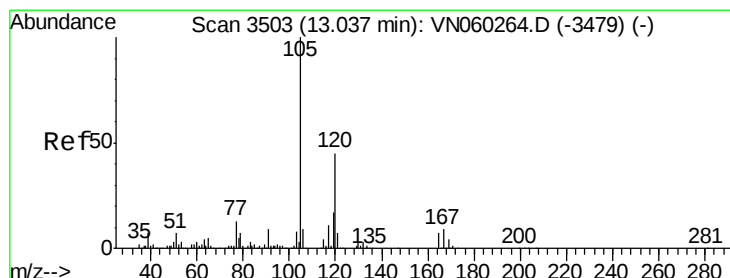
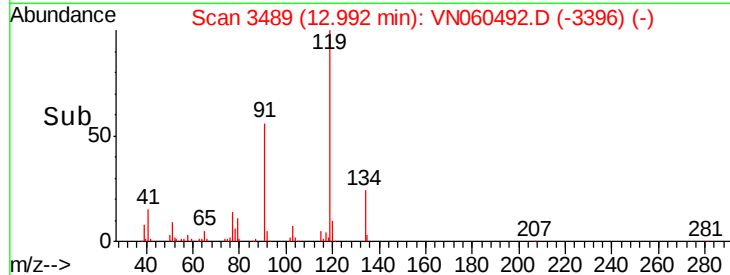
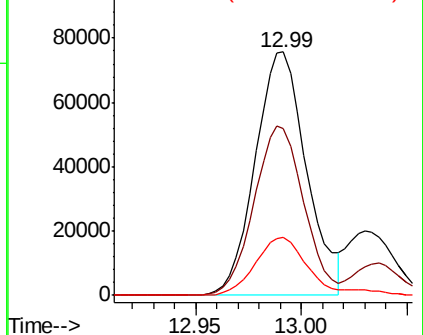
#83
 tert-Butylbenzene
 Concen: 17.266 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0313MBS01

Tot Ion:119 Resp: 128080
 Ion Ratio Lower Upper
 119 100
 91 67.3 33.1 99.2
 134 24.9 12.4 37.0

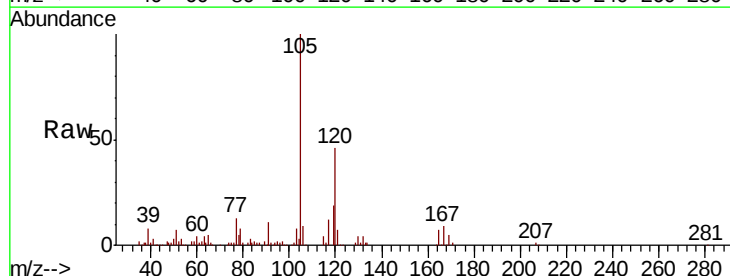


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

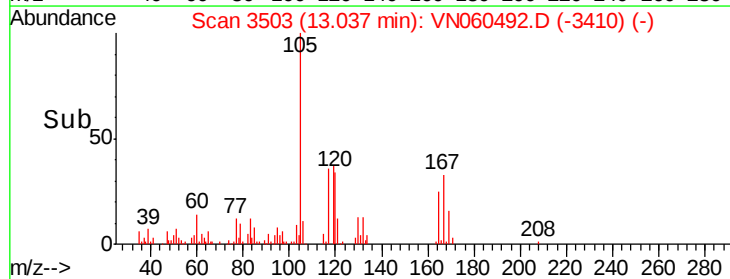
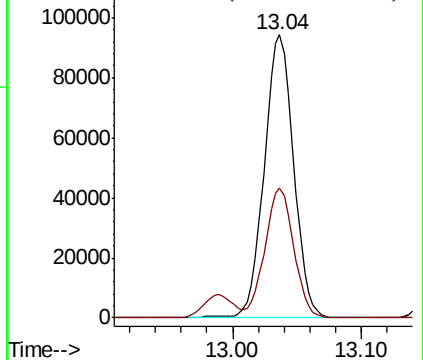


#84
 1,2,4-Trimethylbenzene
 Concen: 17.332 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion:105 Resp: 149886
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

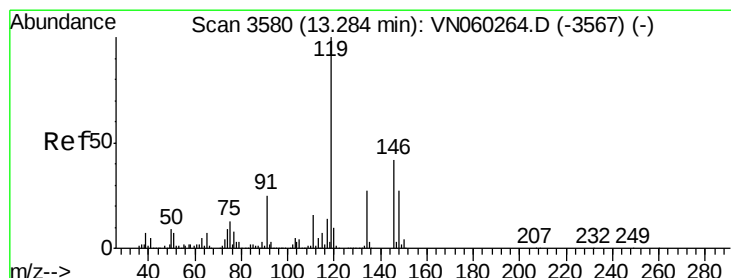
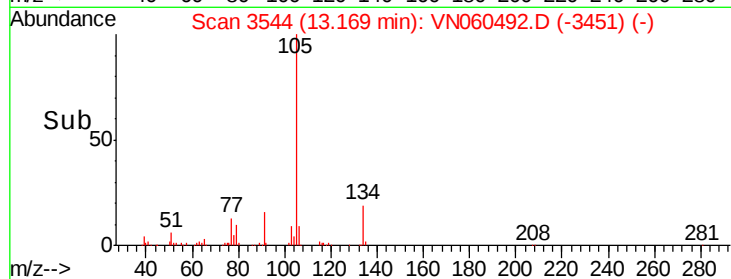
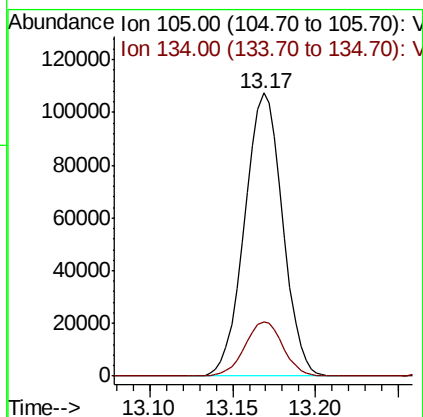
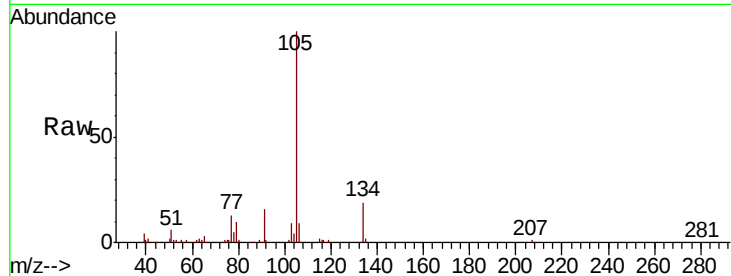




#85
 sec-Butylbenzene
 Concen: 17.179 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

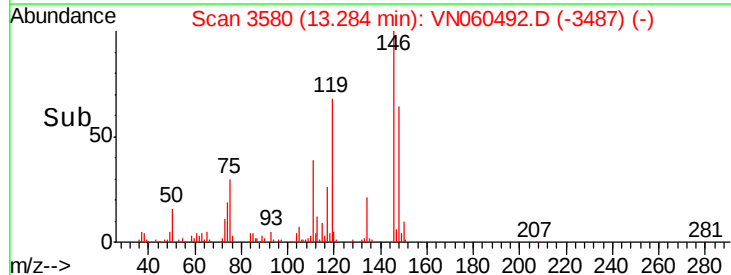
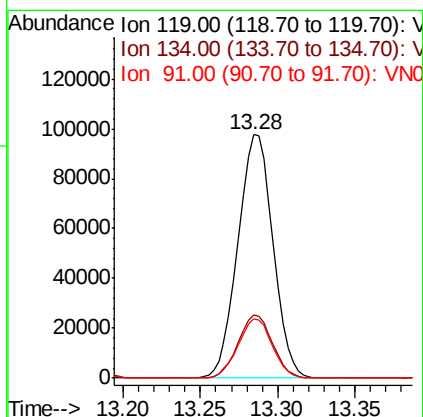
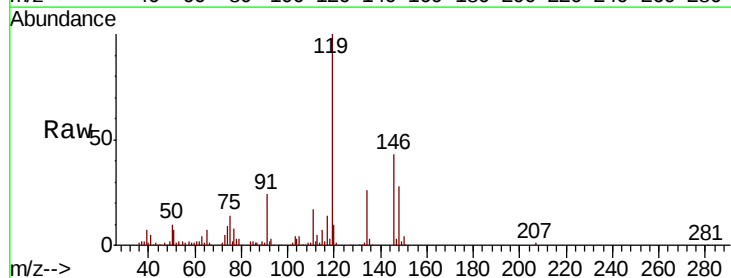
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

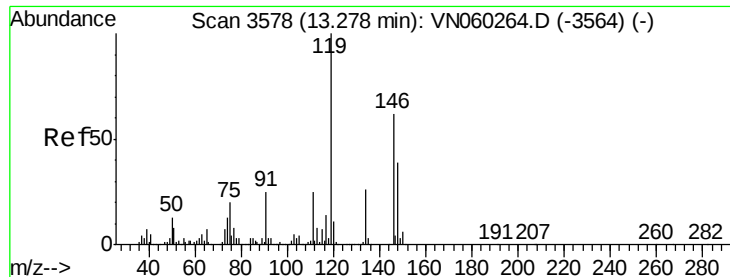
Tot Ion:105 Resp: 170648
 Ion Ratio Lower Upper
 105 100
 134 19.2 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 16.803 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion:119 Resp: 154490
 Ion Ratio Lower Upper
 119 100
 134 25.5 13.2 39.6
 91 23.9 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 17.949 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

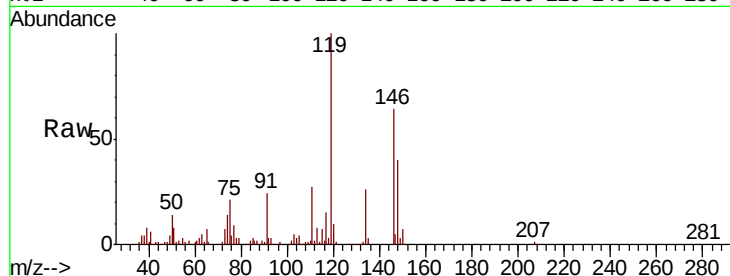
Tot Ion:146 Resp: 77454

Ion Ratio Lower Upper

146 100

111 41.0 20.0 59.9

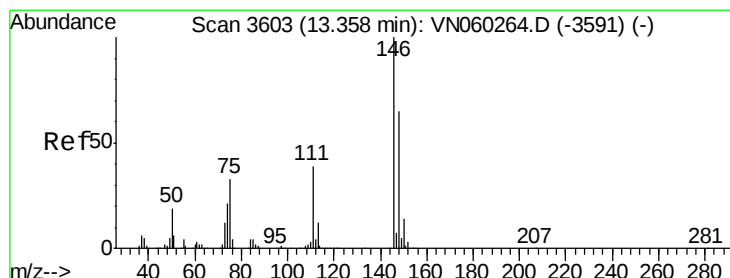
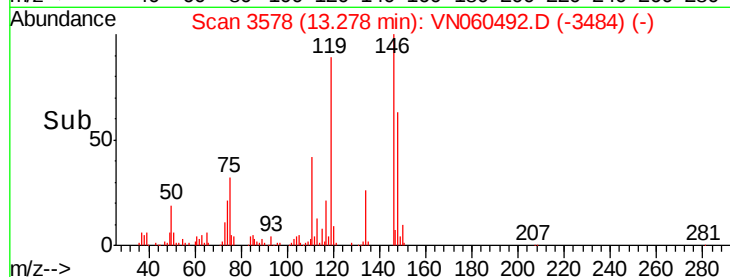
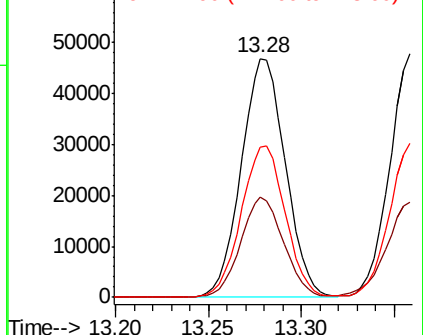
148 63.2 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.008 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

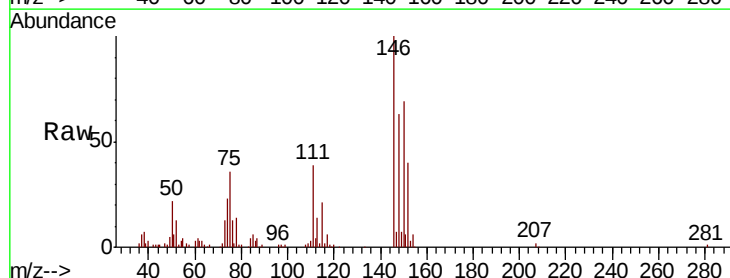
Tgt Ion:146 Resp: 77687

Ion Ratio Lower Upper

146 100

111 41.5 19.8 59.4

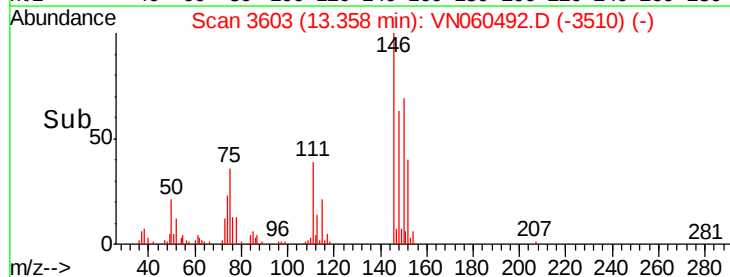
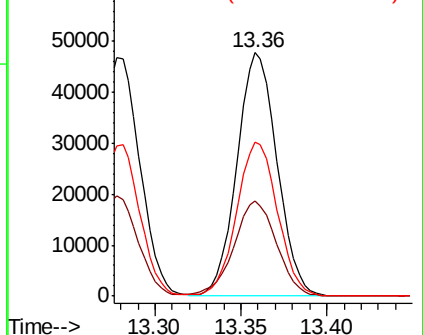
148 64.3 32.3 96.9

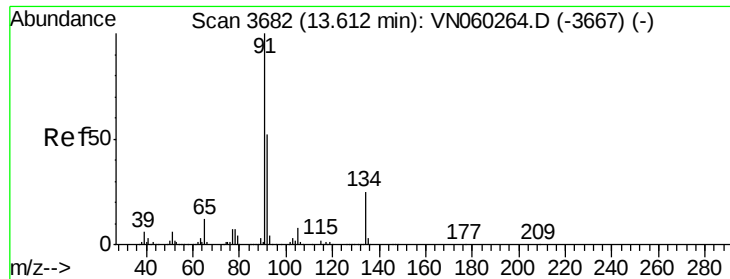


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 16.346 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

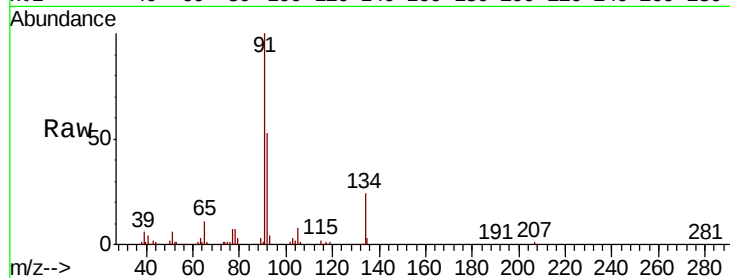
Tot Ion: 91 Resp: 137963

Ion Ratio Lower Upper

91 100

92 52.9 26.0 78.0

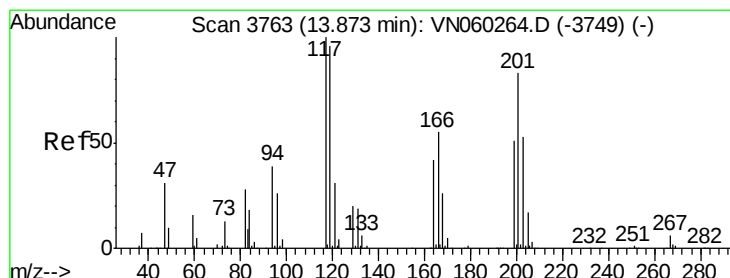
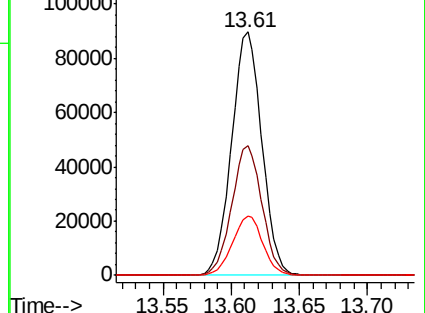
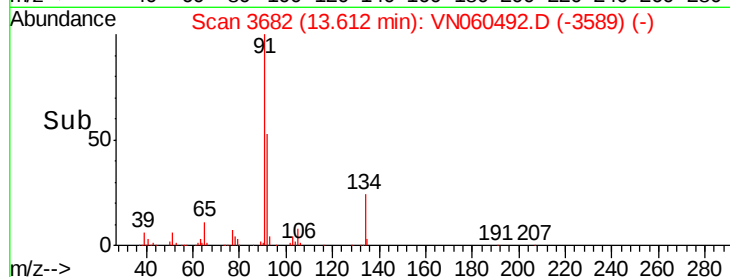
134 24.3 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VN060492.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN060492.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN060492.D (-3667) (-)



#90

Hexachloroethane

Concen: 16.098 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN060492.D

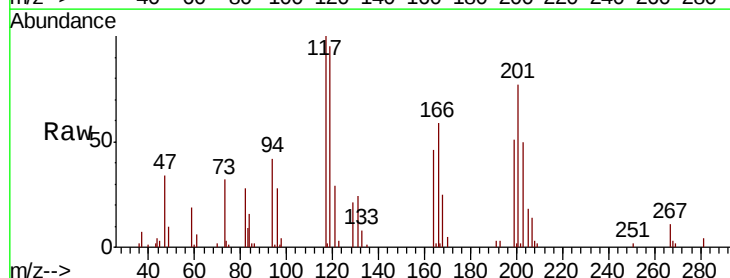
Acq: 13 Mar 2020 11:17

Tgt Ion: 117 Resp: 21423

Ion Ratio Lower Upper

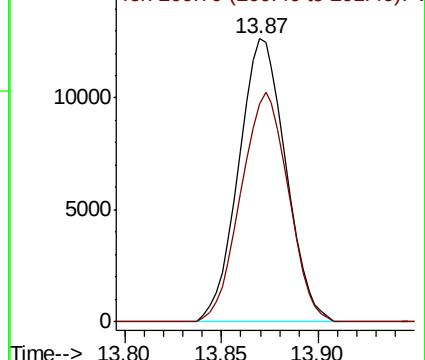
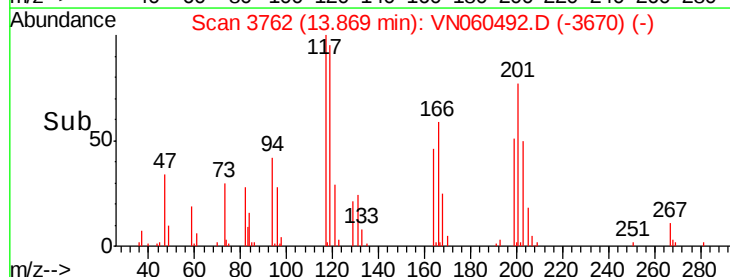
117 100

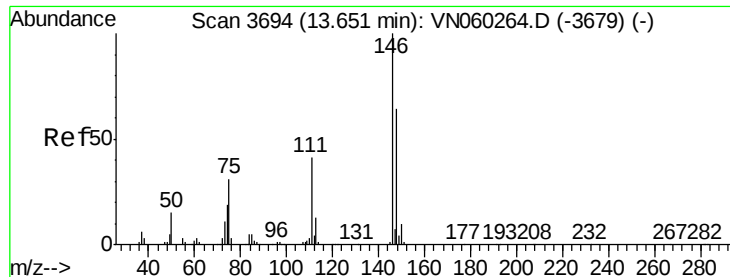
201 81.7 41.0 123.0



Abundance Ion 116.80 (116.50 to 117.50): VN060492.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN060492.D (-3749) (-)

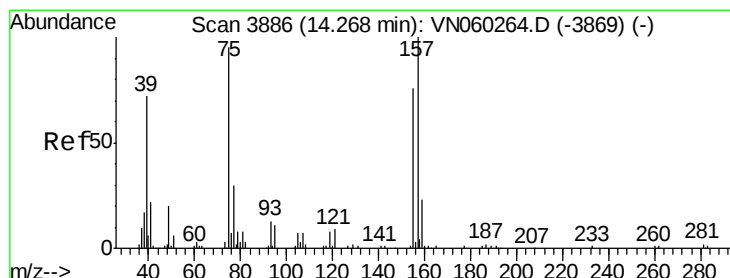
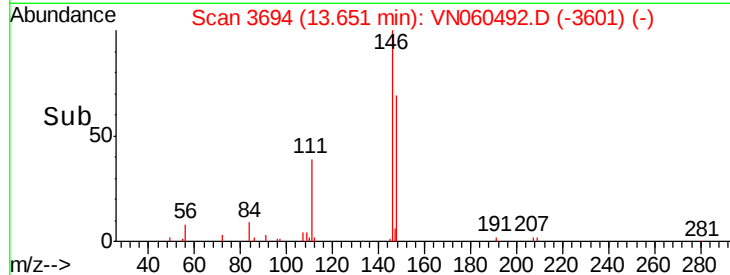
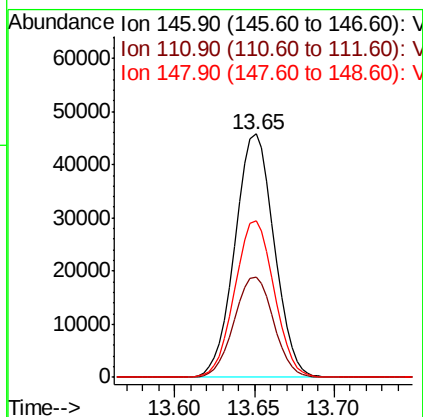
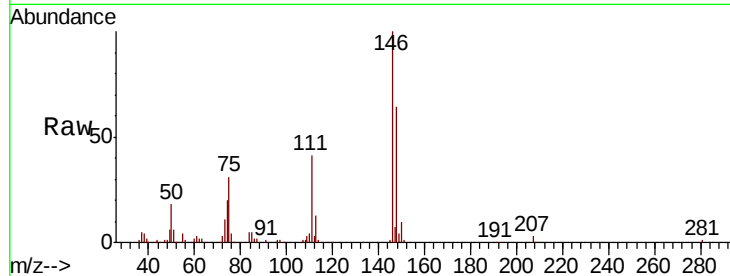




#91
 1,2-Dichlorobenzene
 Concen: 17.489 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

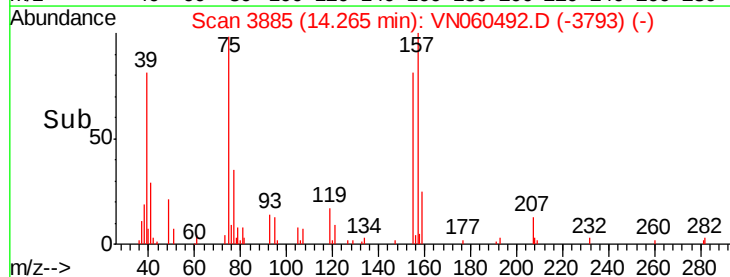
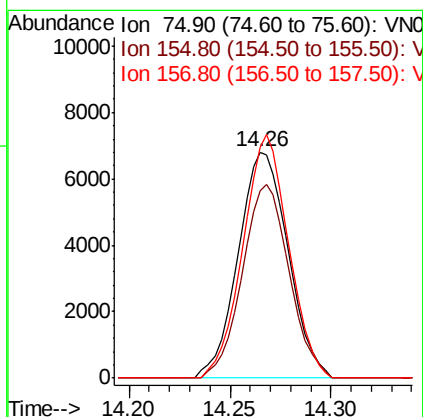
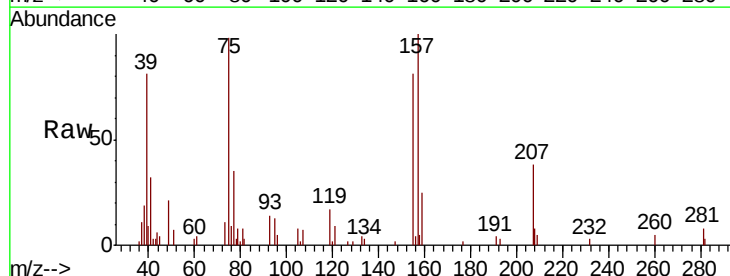
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0313MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.3	61.0
148	64.6	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.793 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060492.D
 Acq: 13 Mar 2020 11:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.4	40.4	121.2
157	98.6	52.5	157.5





#93

1,2,4-Trichlorobenzene

Concen: 16.698 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

Instrument :

MSVOA_N

ClientSampleId :

VN0313MBS01

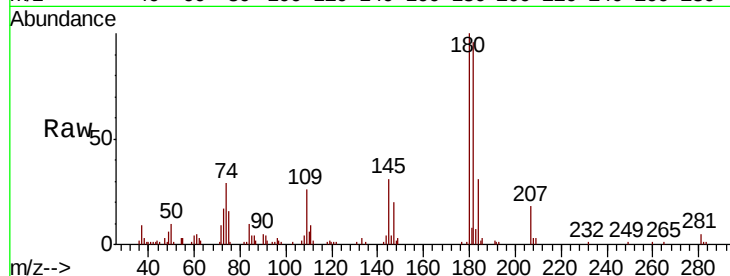
Tot Ion:180 Resp: 46212

Ion Ratio Lower Upper

180 100

182 95.8 47.8 143.3

145 30.8 15.4 46.1

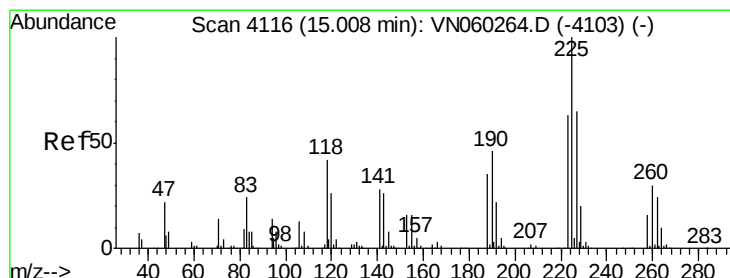
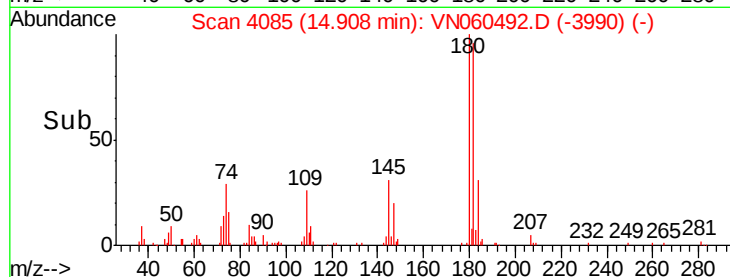
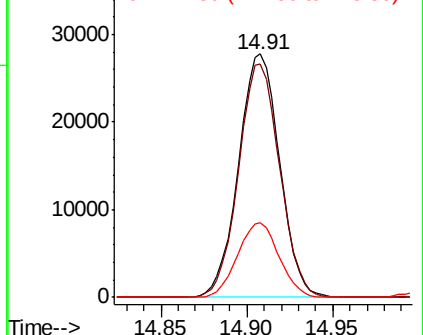


Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.090 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN060492.D

Acq: 13 Mar 2020 11:17

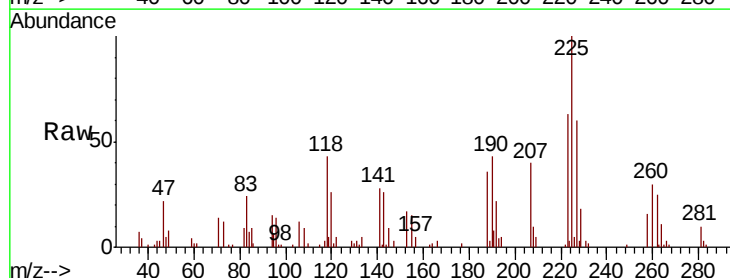
Tgt Ion:225 Resp: 23561

Ion Ratio Lower Upper

225 100

223 61.0 31.3 93.9

227 61.2 32.3 96.9

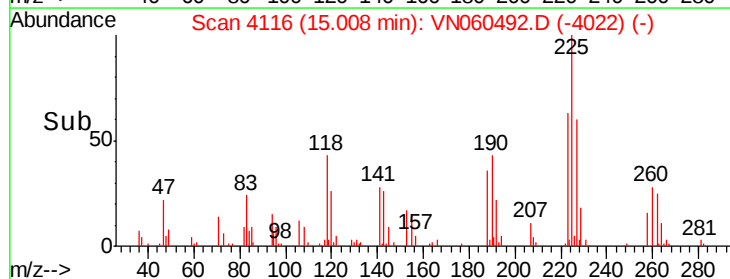
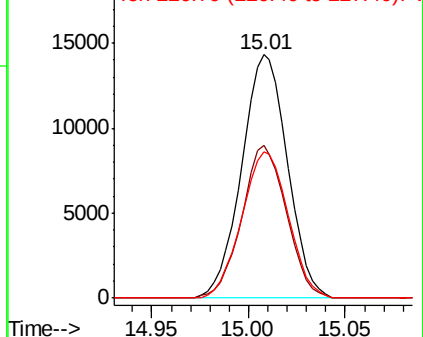


Abundance

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

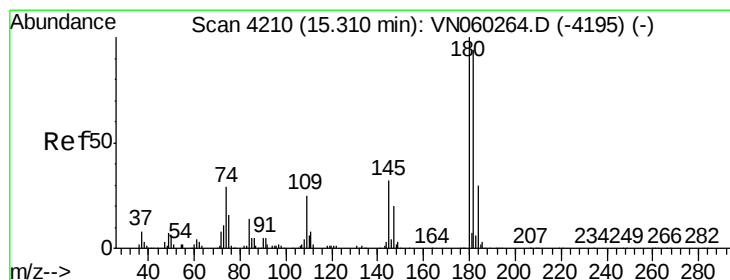
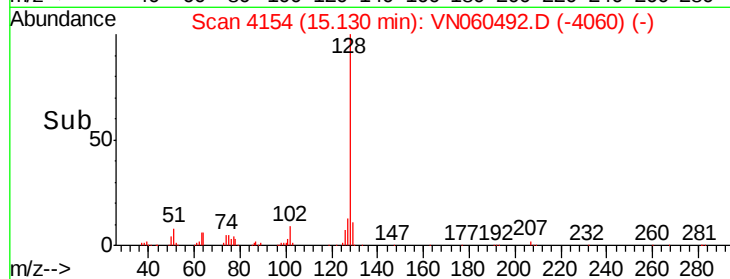
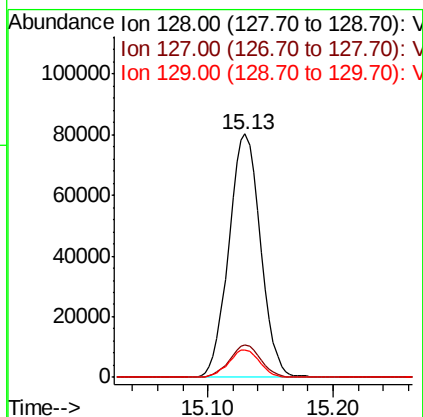
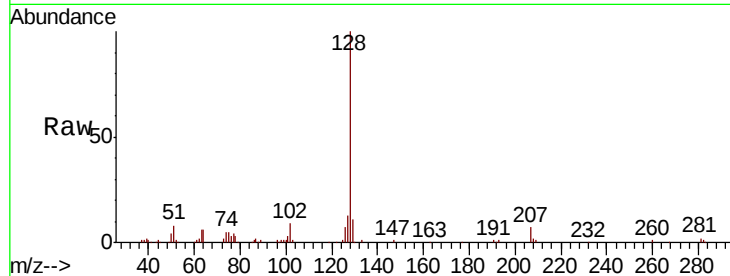




#95
Naphthalene
Concen: 17.027 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Instrument :
MSVOA_N
ClientSampled :
VN0313MBS01

Tot Ion:128 Resp: 140759
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 17.131 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060492.D
Acq: 13 Mar 2020 11:17

Tgt Ion:180 Resp: 45122
Ion Ratio Lower Upper
180 100
182 95.2 47.3 142.0
145 32.8 16.2 48.5

