

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064290.D
 Acq On : 23 Oct 2020 16:55
 Operator : JC/MD
 Sample : VN1023MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

Quant Time: Oct 26 02:30:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	270499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	452056	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	404443	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	193968	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	204500	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
35) Dibromofluoromethane	7.55	113	141893	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	10.06	98	514826	47.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.44%	
62) 4-Bromofluorobenzene	12.38	95	205920	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	59386	18.474	ug/l 95
3) Chloromethane	2.04	50	61794	19.765	ug/l 98
4) Vinyl Chloride	2.16	62	59706	19.263	ug/l 99
5) Bromomethane	2.53	94	40652	20.121	ug/l 97
6) Chloroethane	2.68	64	36572	19.382	ug/l 93
7) Trichlorofluoromethane	2.99	101	100756	19.767	ug/l 99
8) Diethyl Ether	3.38	74	33905	20.108	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51820	19.660	ug/l 99
10) Methyl Iodide	3.92	142	64492	17.206	ug/l 98
11) Tert butyl alcohol	4.74	59	53648	99.767	ug/l 98
12) 1,1-Dichloroethene	3.69	96	47913	18.899	ug/l 99
13) Acrolein	3.57	56	27629	81.851	ug/l 96
14) Allyl chloride	4.28	41	87975	17.338	ug/l 92
15) Acrylonitrile	4.93	53	108736	97.790	ug/l 98
16) Acetone	3.78	43	135127	117.564	ug/l 99
17) Carbon Disulfide	4.01	76	133407	18.448	ug/l 100
18) Methyl Acetate	4.28	43	58824	20.084	ug/l 100
19) Methyl tert-butyl Ether	4.99	73	168518	19.335	ug/l 97
20) Methylene Chloride	4.50	84	57640	18.807	ug/l 97
21) trans-1,2-Dichloroethene	4.99	96	52986	18.953	ug/l 98
22) Diisopropyl ether	5.90	45	176182	18.678	ug/l 94
23) Vinyl Acetate	5.85	43	813813	96.745	ug/l 99
24) 1,1-Dichloroethane	5.80	63	105072	19.229	ug/l 99
25) 2-Butanone	6.79	43	185528	101.597	ug/l 96
26) 2,2-Dichloropropane	6.78	77	108032	19.859	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	61970	19.035	ug/l 97
28) Bromochloromethane	7.15	49	45707	17.608	ug/l 99
29) Tetrahydrofuran	7.17	42	109134	99.909	ug/l 99
30) Chloroform	7.33	83	110907	19.028	ug/l 99
31) Cyclohexane	7.61	56	86221	18.106	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	108683	19.904	ug/l 100
36) 1,1-Dichloropropene	7.75	75	86249	19.138	ug/l 95
37) Ethyl Acetate	6.88	43	78608	19.211	ug/l 97
38) Carbon Tetrachloride	7.74	117	98505	19.211	ug/l 97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	72566	17.708	ug/l	99
40) Benzene	8.00	78	227307	18.271	ug/l	98
41) Methacrylonitrile	7.12	41	37733	17.579	ug/l #	91
42) 1,2-Dichloroethane	8.08	62	100945	18.941	ug/l	98
43) Isopropyl Acetate	8.13	43	142322	18.663	ug/l #	91
44) Trichloroethene	8.80	130	64766	19.105	ug/l	97
45) 1,2-Dichloropropane	9.08	63	61409	18.490	ug/l	99
46) Dibromomethane	9.17	93	43222	19.381	ug/l	97
47) Bromodichloromethane	9.37	83	92924	18.860	ug/l	99
48) Methyl methacrylate	9.16	41	72418	18.179	ug/l	97
49) 1,4-Dioxane	9.17	88	18536	397.681	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	395770	97.106	ug/l	99
52) Toluene	10.13	92	143731	18.056	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	101799	18.600	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	105752	18.351	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	57395	19.091	ug/l	97
56) Ethyl methacrylate	10.40	69	86892	18.692	ug/l	99
57) 1,3-Dichloropropane	10.68	76	102145	19.560	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	225070	94.023	ug/l	100
59) 2-Hexanone	10.72	43	294462	98.930	ug/l	100
60) Dibromochloromethane	10.87	129	69046	17.741	ug/l	99
61) 1,2-Dibromoethane	10.98	107	60200	18.975	ug/l	100
64) Tetrachloroethene	10.60	164	61586	18.915	ug/l	94
65) Chlorobenzene	11.41	112	156446	18.687	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	61771	18.589	ug/l	98
67) Ethyl Benzene	11.48	91	291622	18.955	ug/l	98
68) m/p-Xylenes	11.59	106	209257	36.710	ug/l	99
69) o-Xylene	11.92	106	105431	19.124	ug/l	98
70) Styrene	11.94	104	171203	18.526	ug/l	99
71) Bromoform	12.10	173	48496	18.892	ug/l #	96
73) Isopropylbenzene	12.22	105	272350	18.410	ug/l	100
74) N-amyl acetate	12.04	43	117099	18.318	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	74379	18.946	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	114446	27.988	ug/l #	100
77) Bromobenzene	12.50	156	67308	19.272	ug/l	98
78) n-propylbenzene	12.57	91	307809	18.454	ug/l	100
79) 2-Chlorotoluene	12.65	91	189972	18.542	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	233811	18.695	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	30038	18.546	ug/l	99
82) 4-Chlorotoluene	12.75	91	202360	18.935	ug/l	100
83) tert-Butylbenzene	12.97	119	189223	18.453	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	232346	18.665	ug/l	99
85) sec-Butylbenzene	13.15	105	239242	18.507	ug/l	100
86) p-Isopropyltoluene	13.26	119	221708	18.834	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	115166	18.532	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	117847	18.527	ug/l	98
89) n-Butylbenzene	13.59	91	190438	18.047	ug/l	100
90) Hexachloroethane	13.85	117	36951	17.332	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	110741	18.165	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	18108	18.489	ug/l	97

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 2020
Response via : Initial Calibration

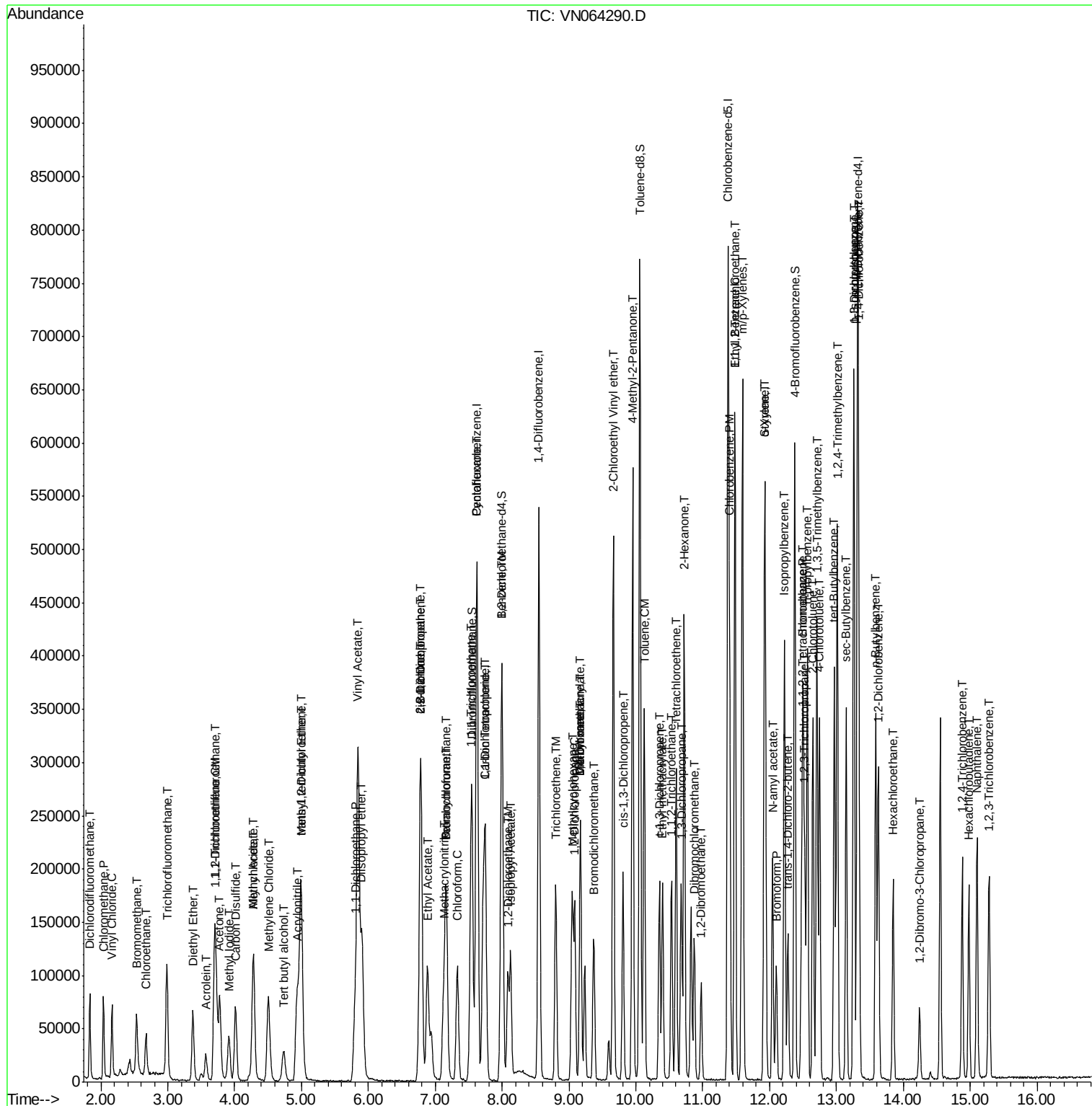
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	63097	18.453	ug/l	99
94) Hexachlorobutadiene	14.98	225	34792	18.865	ug/l	96
95) Naphthalene	15.10	128	185545	18.120	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	59358	17.527	ug/l	97

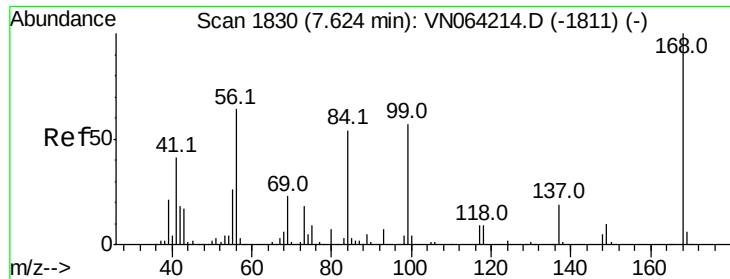
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

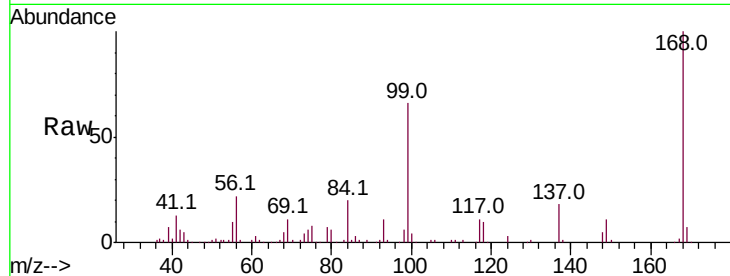
VN1023MBS01

Tot Ion:168 Resp: 270499

Ion Ratio Lower Upper

168 100

99 65.3 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): VN064214.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN064214.D (-1811) (-)

7.63

120000

100000

80000

60000

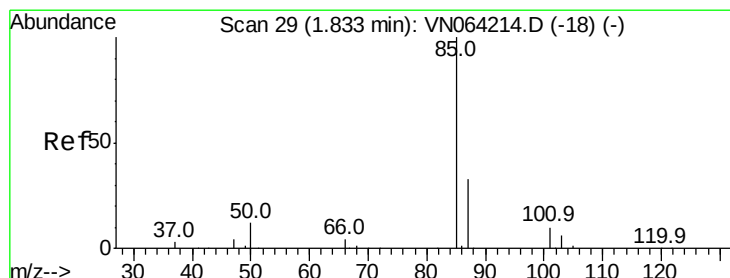
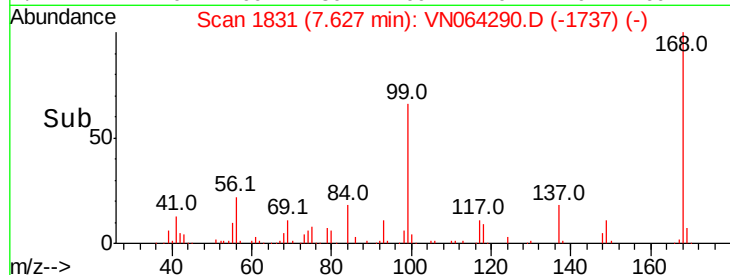
40000

20000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.474 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064290.D

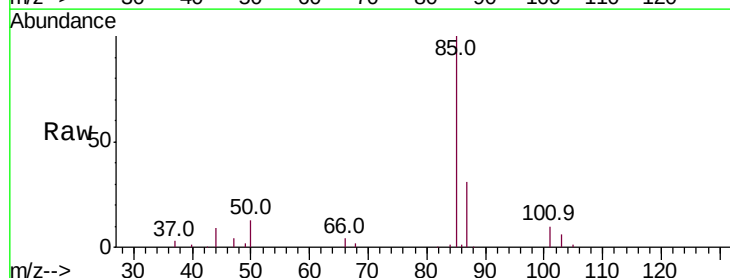
Acq: 23 Oct 2020 16:55

Tgt Ion: 85 Resp: 59386

Ion Ratio Lower Upper

85 100

87 30.6 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN064214.D (-18) (-)

Ion 86.90 (86.60 to 87.60): VN064214.D (-18) (-)

1.83

50000

40000

30000

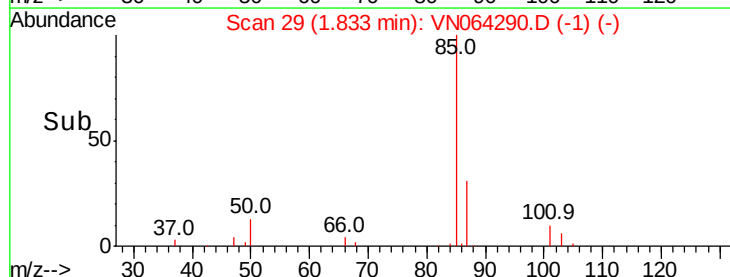
20000

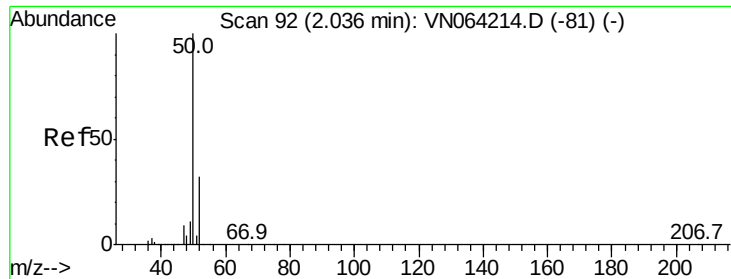
10000

0

1.80 1.85 1.90

Time-->

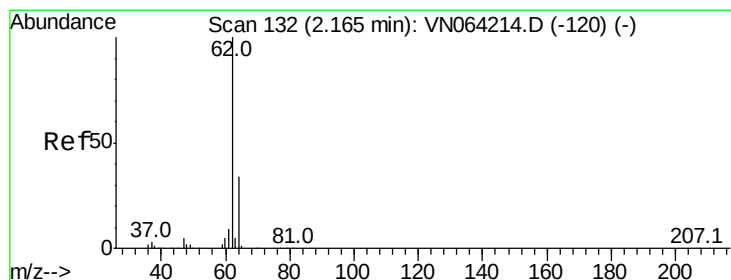
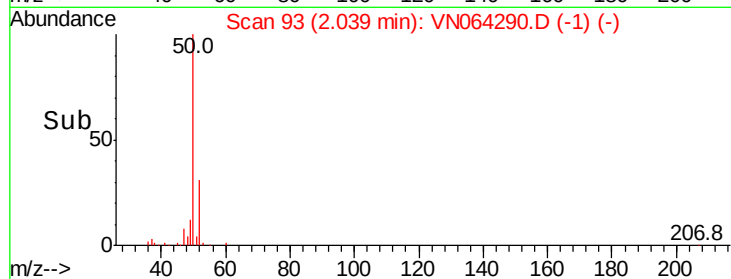
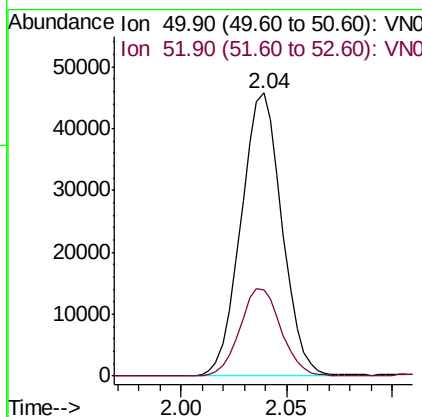
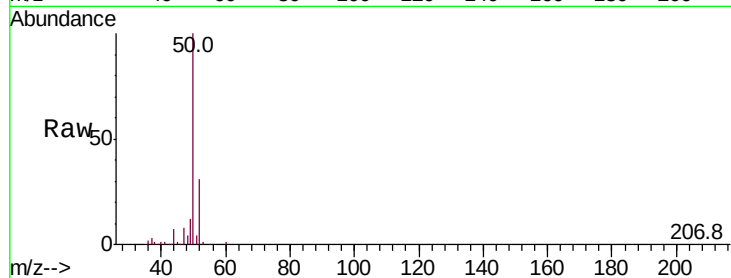




#3
Chloromethane
Concen: 19.765 ug/l
RT: 2.04 min Scan# 93
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

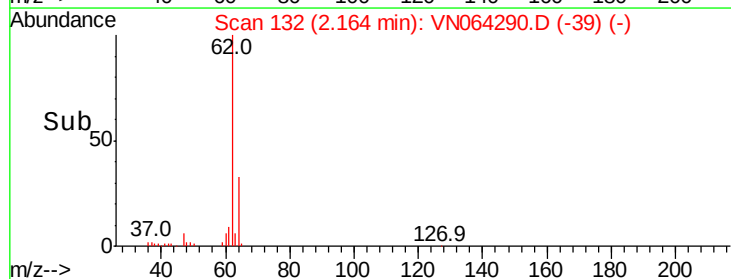
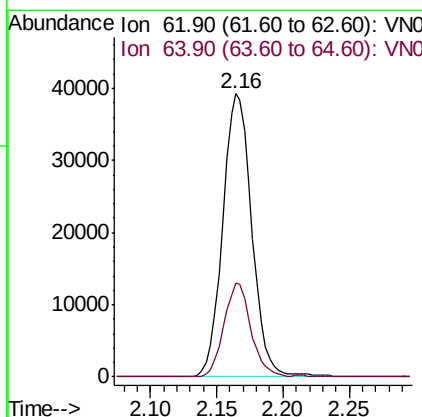
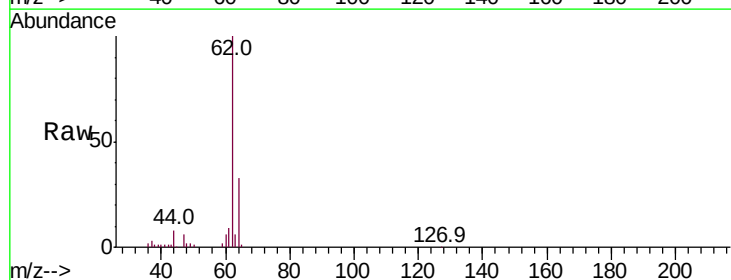
Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

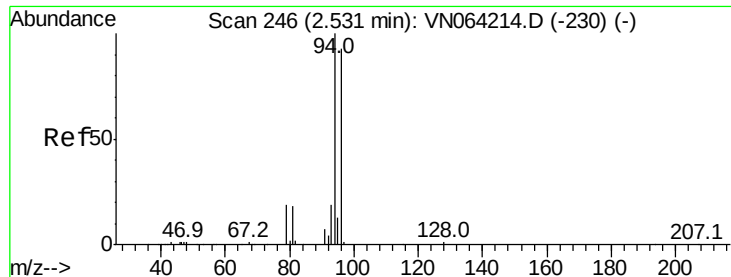
Tot Ion: 50 Resp: 61794
Ion Ratio Lower Upper
50 100
52 30.7 25.3 37.9



#4
Vinyl Chloride
Concen: 19.263 ug/l
RT: 2.16 min Scan# 132
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 62 Resp: 59706
Ion Ratio Lower Upper
62 100
64 33.1 26.8 40.2





#5

Bromomethane

Concen: 20.121 ug/l

RT: 2.53 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

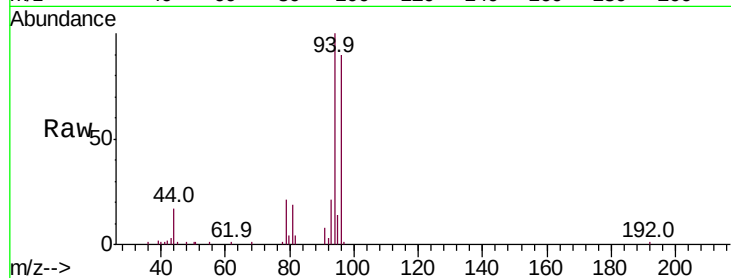
VN1023MBS01

Tot Ion: 94 Resp: 40652

Ion Ratio Lower Upper

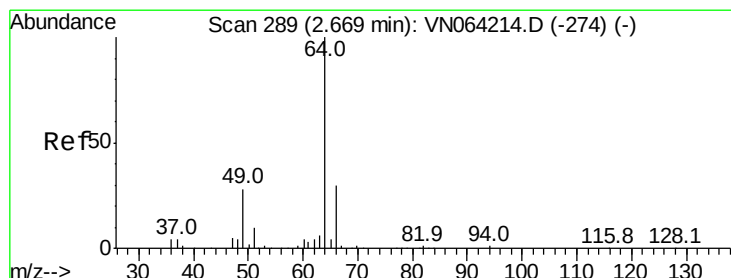
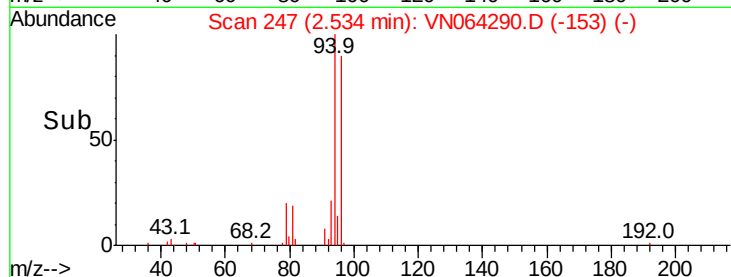
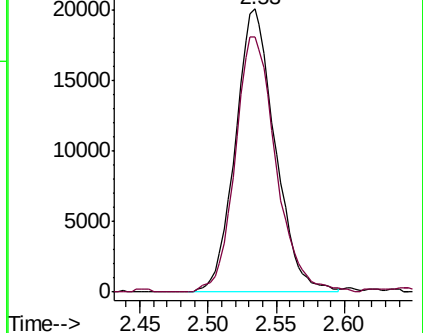
94 100

96 90.2 74.2 111.4



Abundance Ion 93.90 (93.60 to 94.60): VN064214.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN064214.D (-230) (-)



#6

Chloroethane

Concen: 19.382 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN064290.D

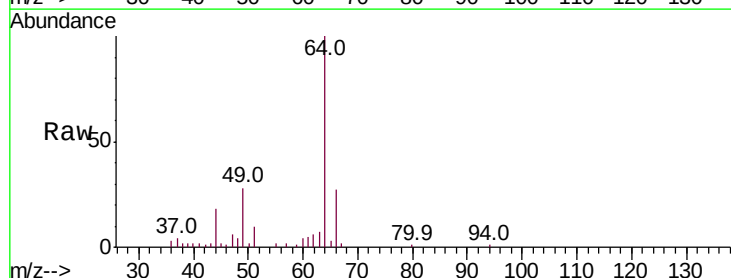
Acq: 23 Oct 2020 16:55

Tgt Ion: 64 Resp: 36572

Ion Ratio Lower Upper

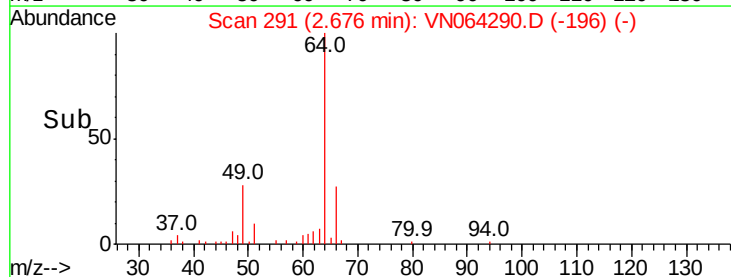
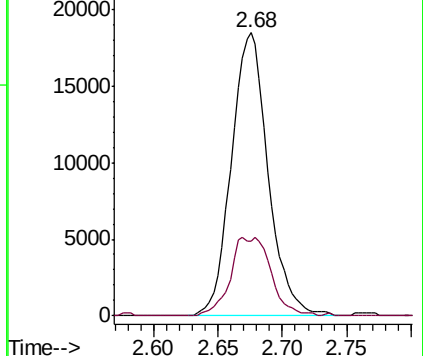
64 100

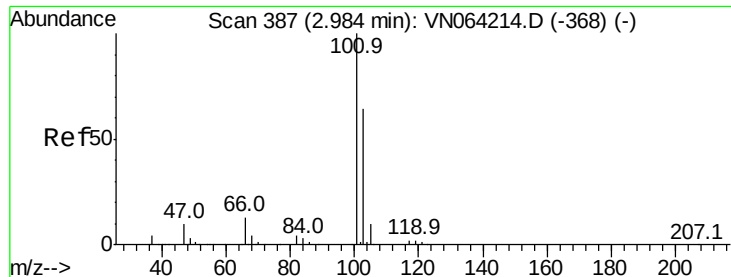
66 26.6 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VN064214.D (-274) (-)

Ion 65.90 (65.60 to 66.60): VN064214.D (-274) (-)



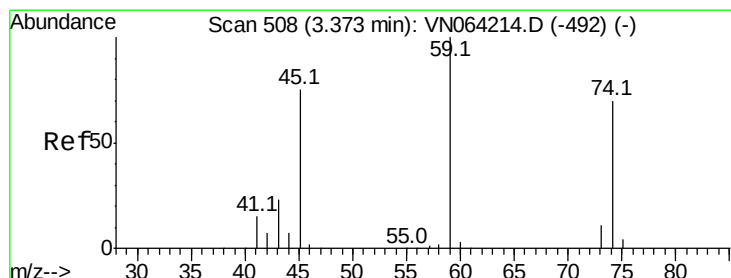
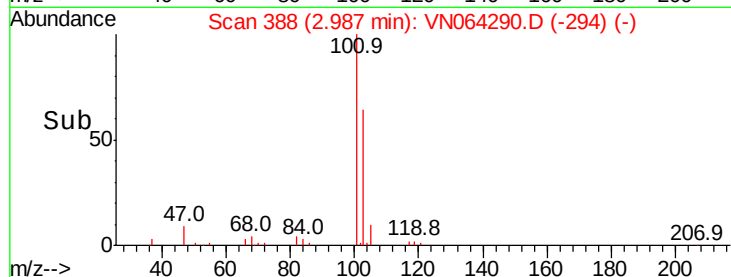
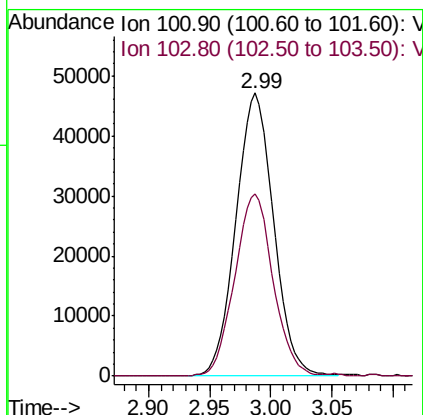
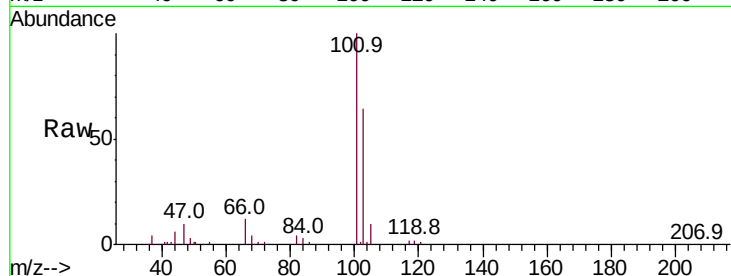


#7

Trichlorofluoromethane
Concen: 19.767 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
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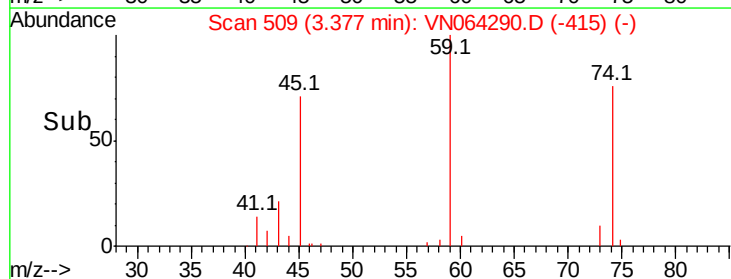
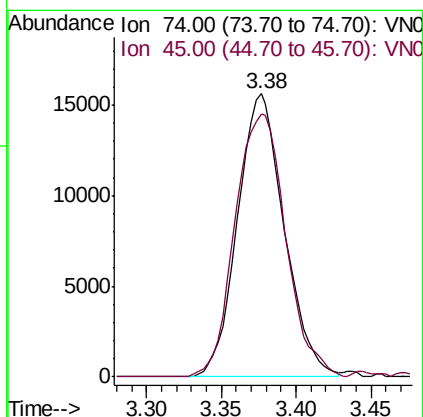
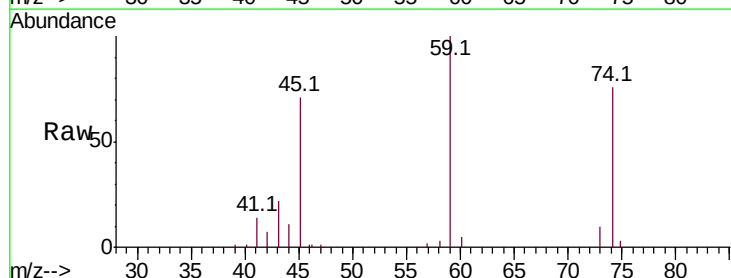
Tot Ion:101 Resp: 100756
Ion Ratio Lower Upper
101 100
103 64.3 51.0 76.6

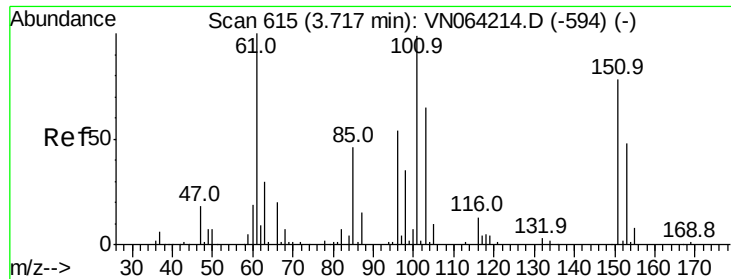


#8

Diethyl Ether
Concen: 20.108 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 74 Resp: 33905
Ion Ratio Lower Upper
74 100
45 101.0 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.660 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

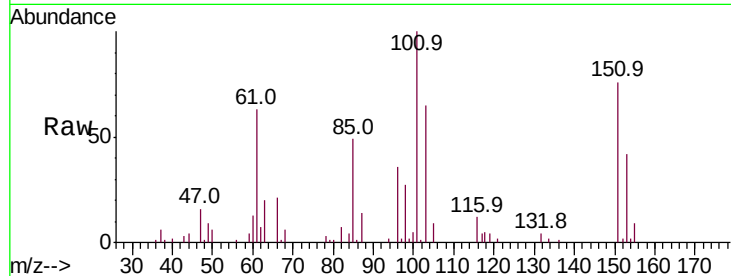
Tot Ion:101 Resp: 51820

Ion Ratio Lower Upper

101 100

85 47.5 37.8 56.8

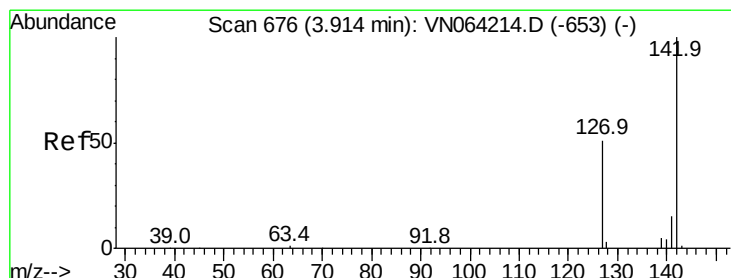
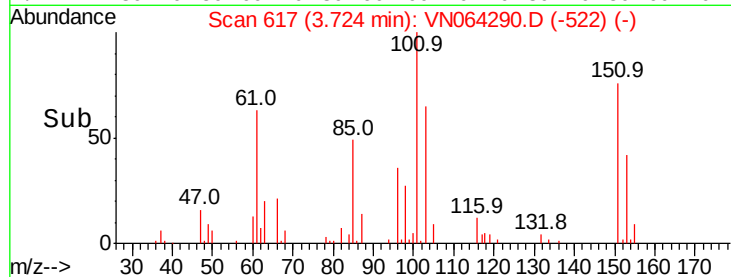
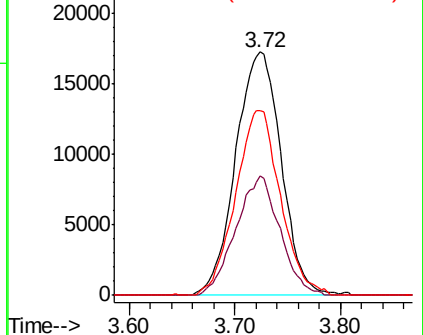
151 75.0 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.206 ug/l

RT: 3.92 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

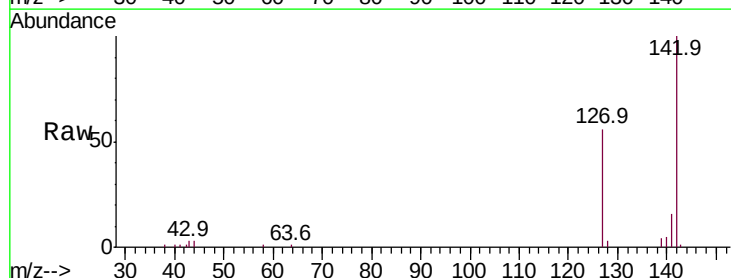
Tgt Ion:142 Resp: 64492

Ion Ratio Lower Upper

142 100

127 52.6 41.0 61.6

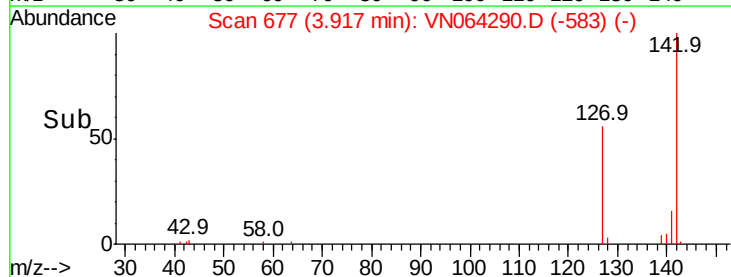
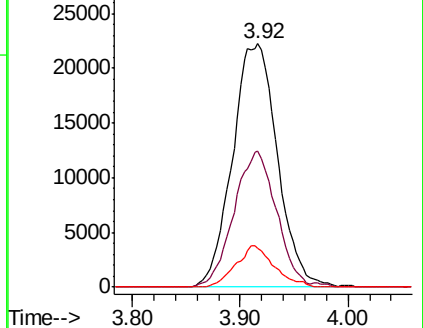
141 14.6 11.3 16.9

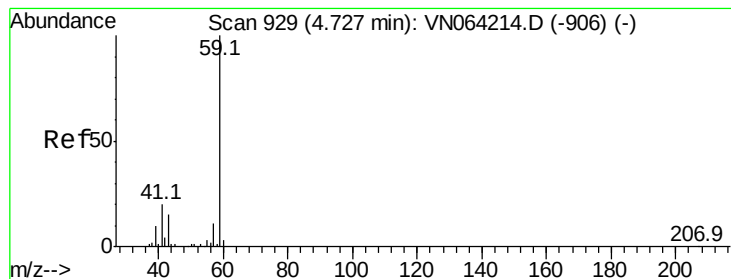


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 99.767 ug/l

RT: 4.74 min Scan# 933

Delta R.T. 0.01 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

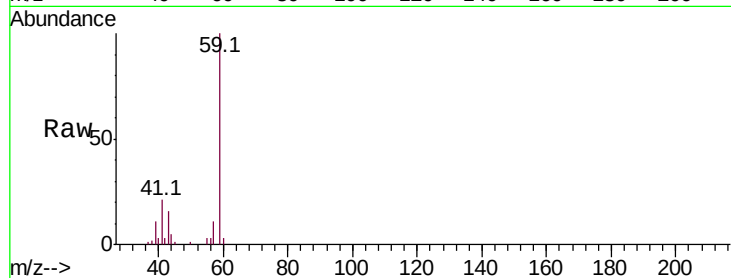
VN1023MBS01

Tot Ion: 59 Resp: 53648

Ion Ratio Lower Upper

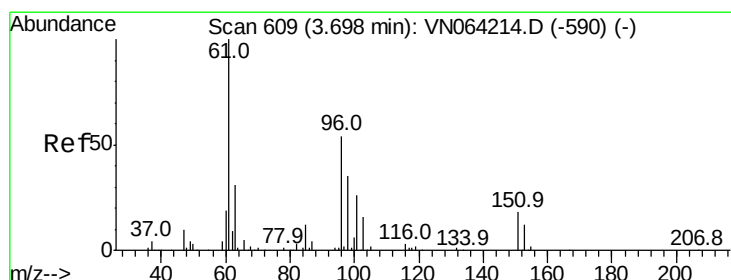
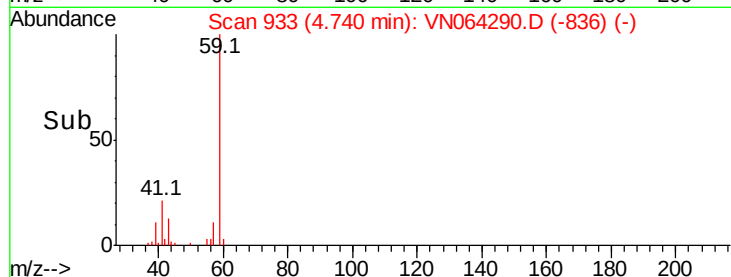
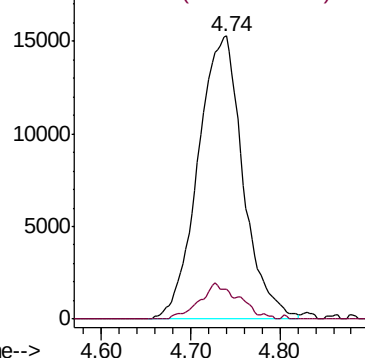
59 100

57 10.8 9.2 13.8



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO



#12

1,1-Dichloroethene

Concen: 18.899 ug/l

RT: 3.69 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

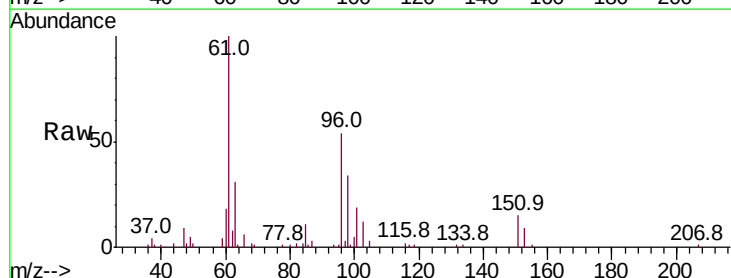
Tgt Ion: 96 Resp: 47913

Ion Ratio Lower Upper

96 100

61 183.5 147.0 220.4

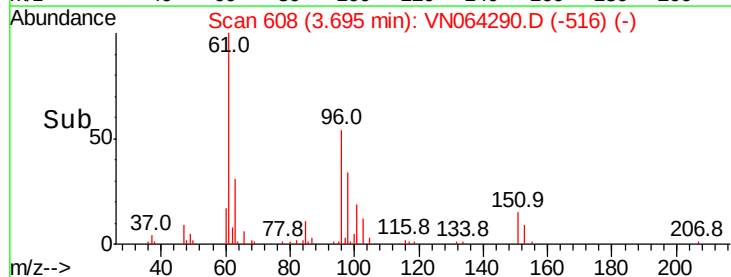
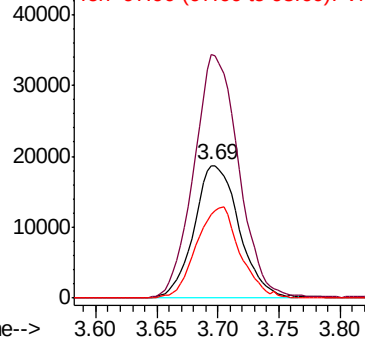
98 62.9 51.7 77.5

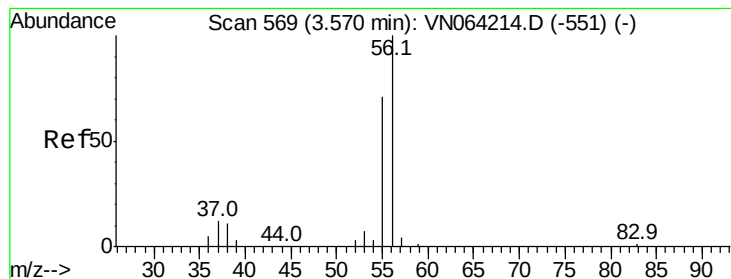


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#13

Acrolein

Concen: 81.851 ug/l

RT: 3.57 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

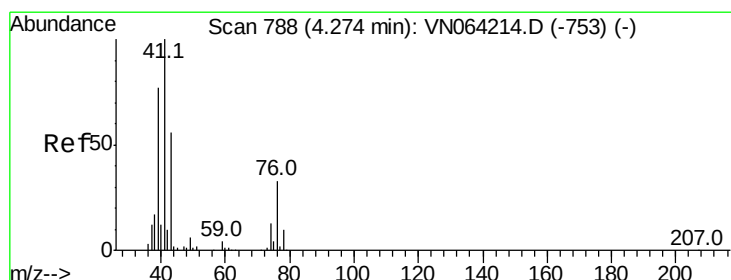
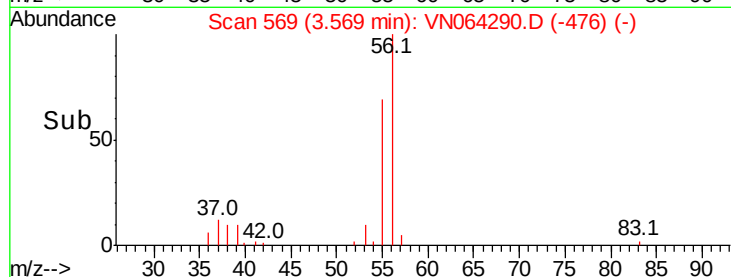
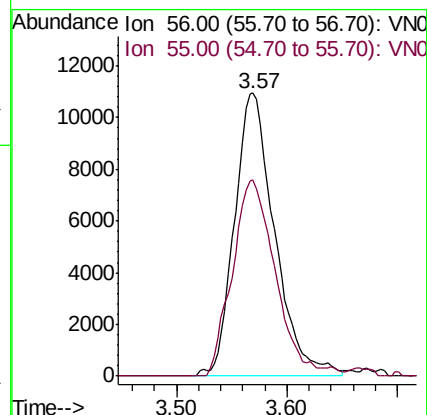
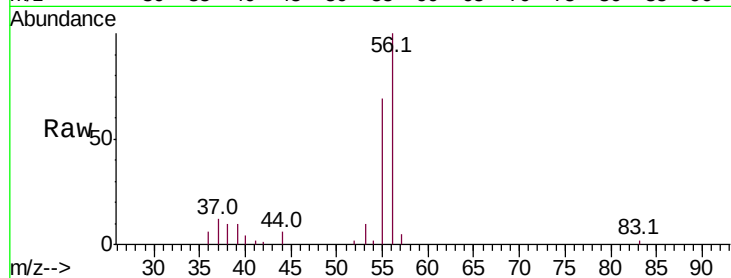
VN1023MBS01

Tot Ion: 56 Resp: 27629

Ion Ratio Lower Upper

56 100

55 73.3 56.1 84.1



#14

Allyl chloride

Concen: 17.338 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

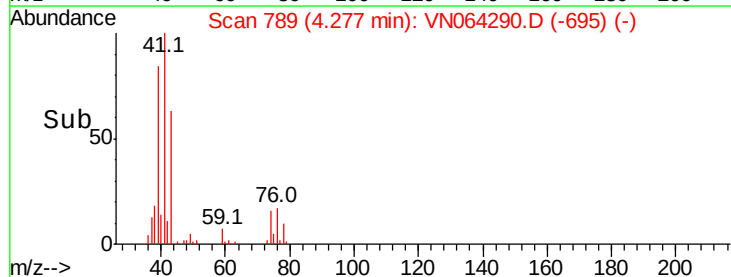
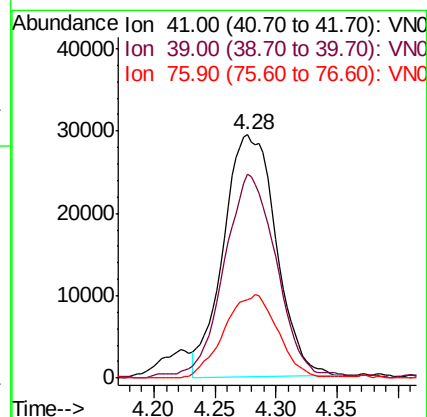
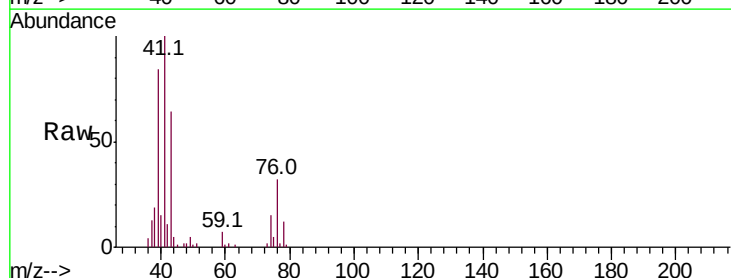
Tgt Ion: 41 Resp: 87975

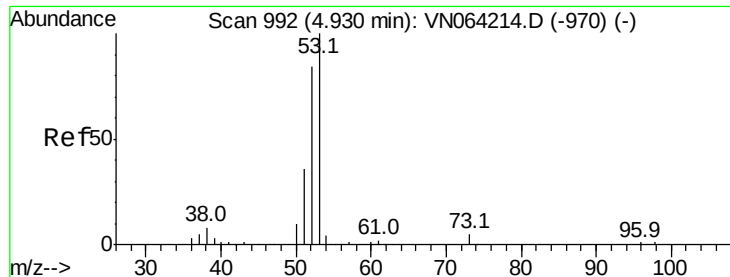
Ion Ratio Lower Upper

41 100

39 79.5 58.6 88.0

76 35.3 24.5 36.7





#15

Acrylonitrile

Concen: 97.790 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

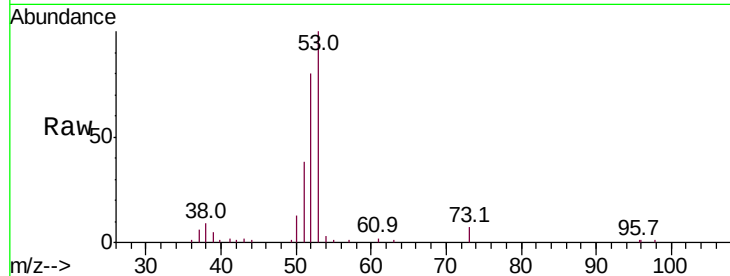
Tot Ion: 53 Resp: 108736

Ion Ratio Lower Upper

53 100

52 82.0 66.8 100.2

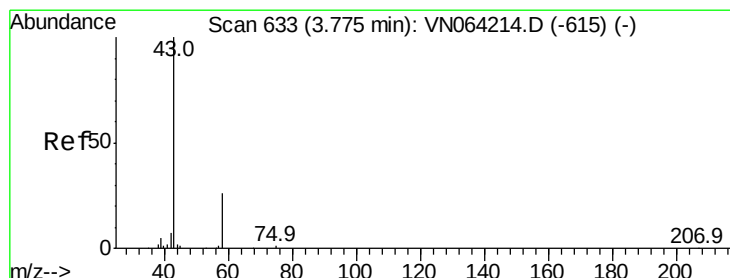
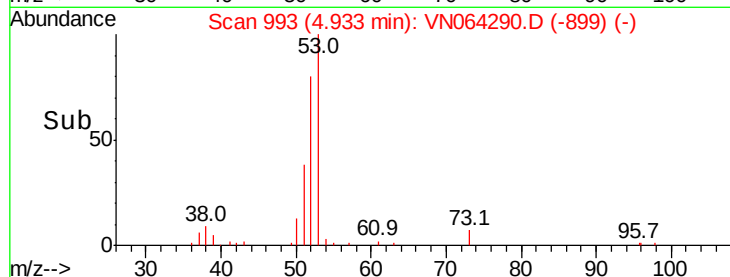
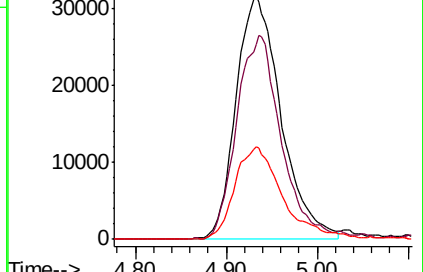
51 40.2 30.7 46.1



Abundance Ion 53.00 (52.70 to 53.70): VN064214.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN064214.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN064214.D (-970) (-)



#16

Acetone

Concen: 117.564 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064290.D

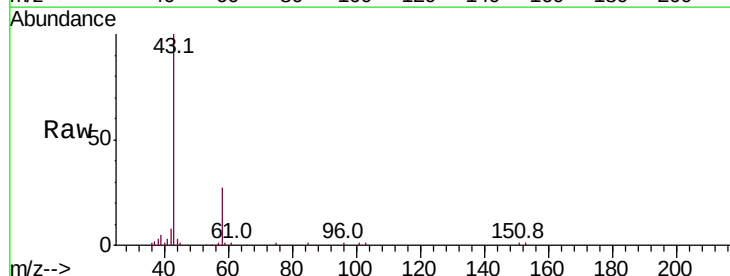
Acq: 23 Oct 2020 16:55

Tgt Ion: 43 Resp: 135127

Ion Ratio Lower Upper

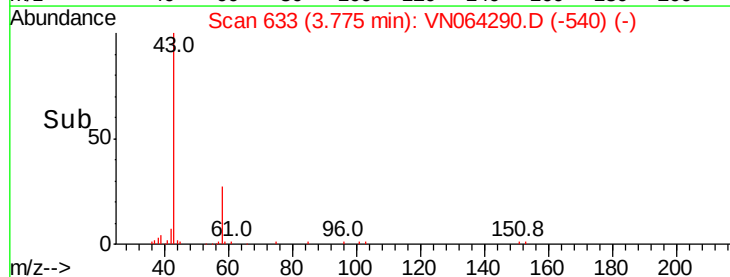
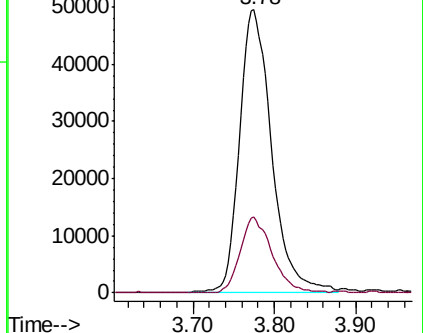
43 100

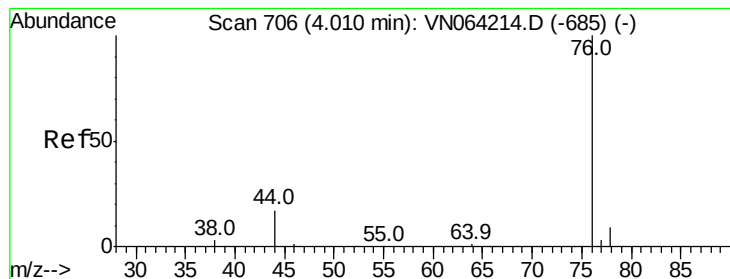
58 26.9 21.0 31.4



Abundance Ion 43.00 (42.70 to 43.70): VN064214.D (-615) (-)

Ion 58.00 (57.70 to 58.70): VN064214.D (-615) (-)





#17

Carbon Disulfide

Concen: 18.448 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

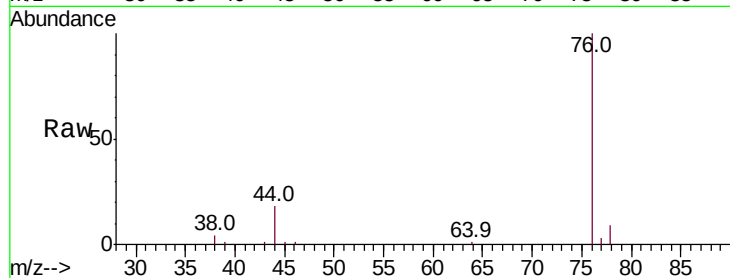
VN1023MBS01

Tot Ion: 76 Resp: 133407

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN064214.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN064214.D (-685) (-)

4.01

50000

40000

30000

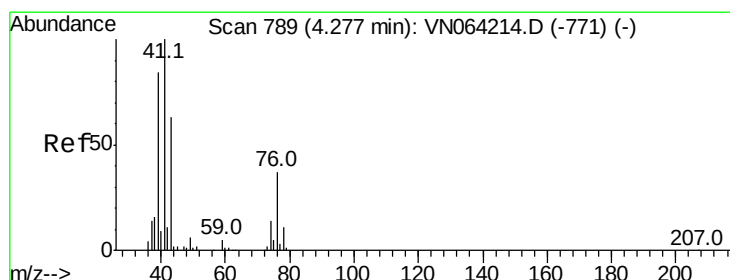
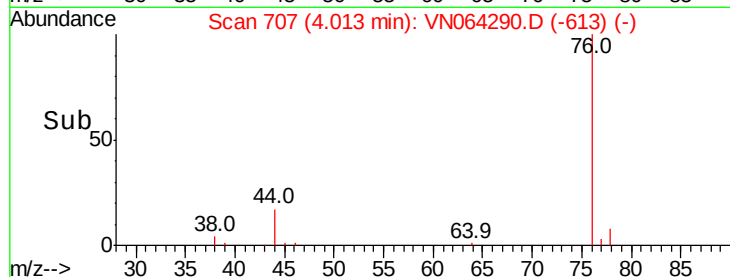
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 20.084 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN064290.D

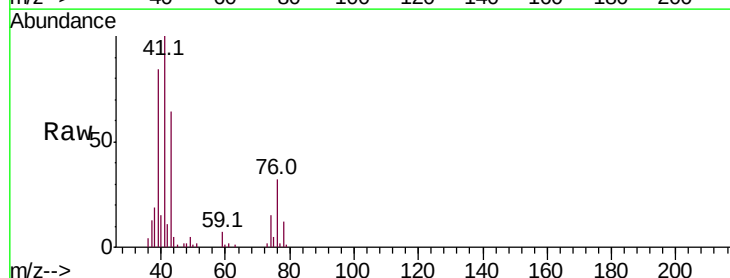
Acq: 23 Oct 2020 16:55

Tgt Ion: 43 Resp: 58824

Ion Ratio Lower Upper

43 100

74 22.5 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN064214.D (-771) (-)

Ion 74.00 (73.70 to 74.70): VN064214.D (-771) (-)

4.28

20000

15000

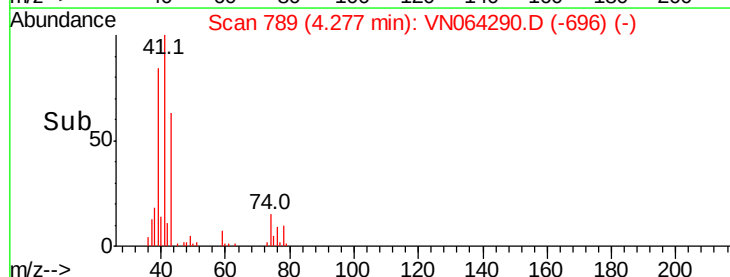
10000

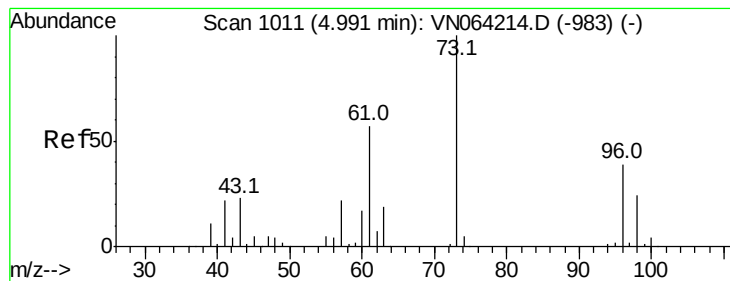
5000

0

Time-->

4.20 4.30 4.40



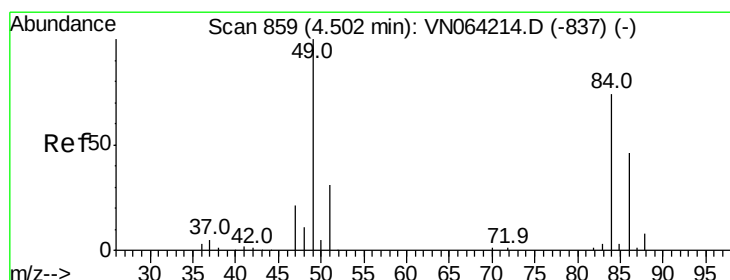
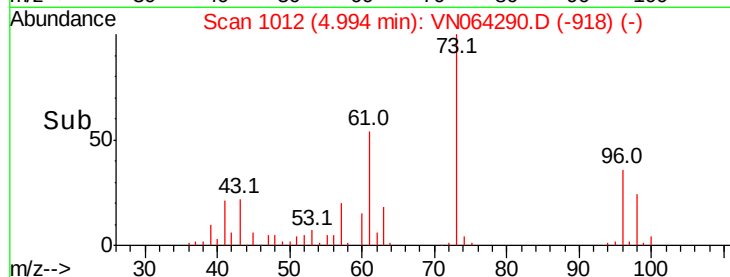
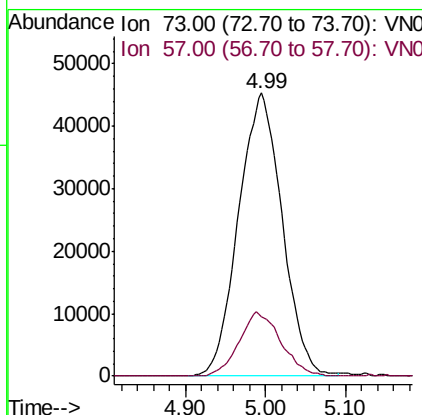
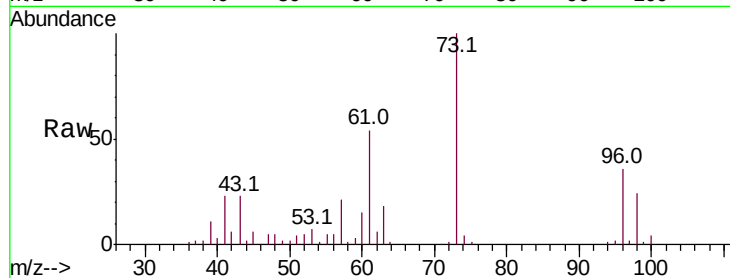


#19

Methyl tert-butyl Ether
 Concen: 19.335 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Instrument :
 MSVOA_N
 ClientSampled :
 VN1023MBS01

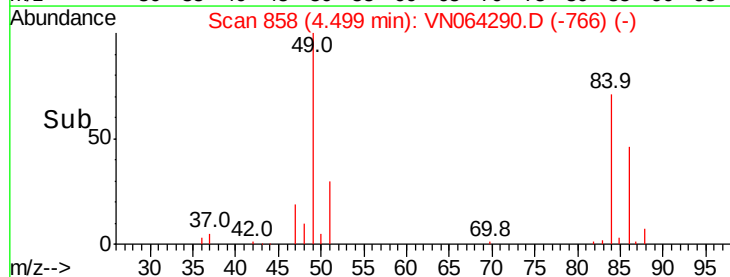
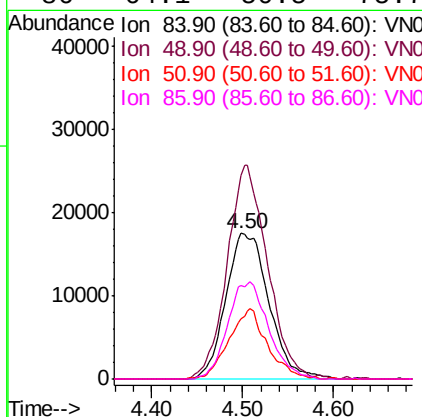
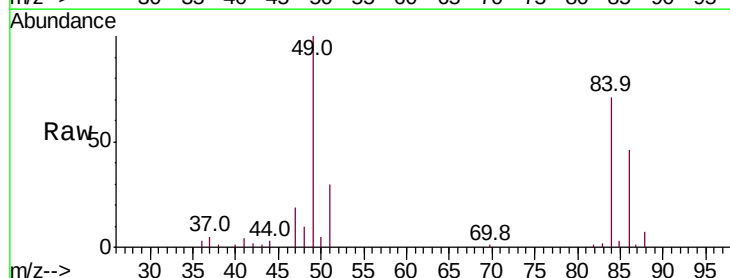
Tot Ion: 73 Resp: 168518
 Ion Ratio Lower Upper
 73 100
 57 20.9 18.0 27.0

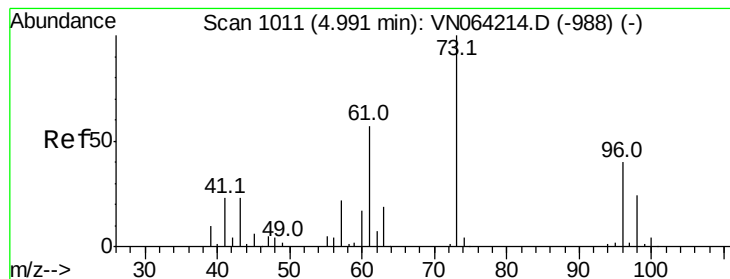


#20

Methylene Chloride
 Concen: 18.807 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion: 84 Resp: 57640
 Ion Ratio Lower Upper
 84 100
 49 140.4 108.5 162.7
 51 41.5 33.8 50.8
 86 64.1 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.953 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

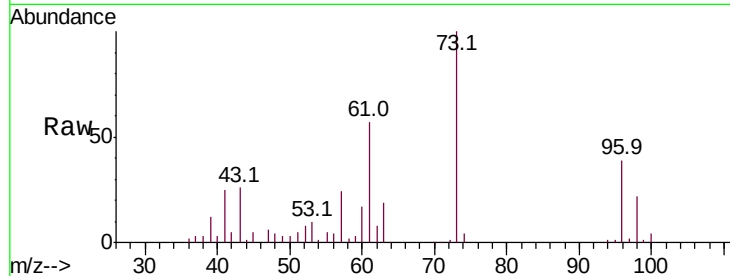
Tot Ion: 96 Resp: 52986

Ion Ratio Lower Upper

96 100

61 145.0 115.8 173.6

98 57.9 49.4 74.0

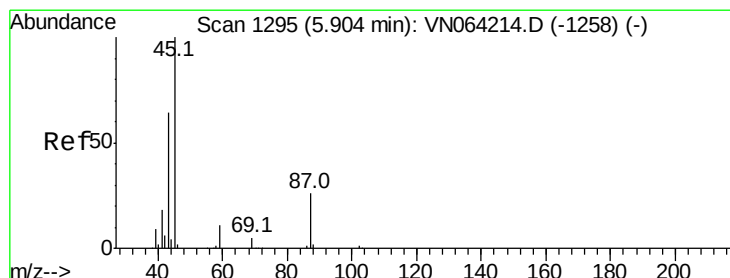
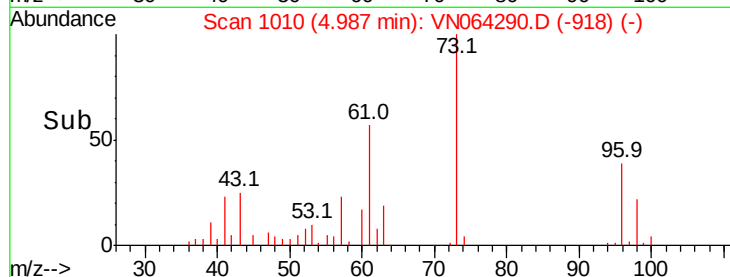
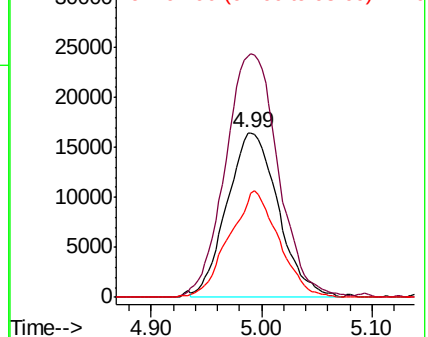


Abundance

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: 18.678 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Tgt Ion: 45 Resp: 176182

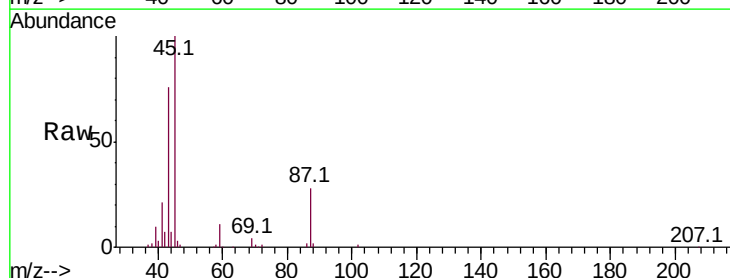
Ion Ratio Lower Upper

45 100

43 72.4 52.2 78.4

87 27.6 21.4 32.0

59 10.2 8.3 12.5



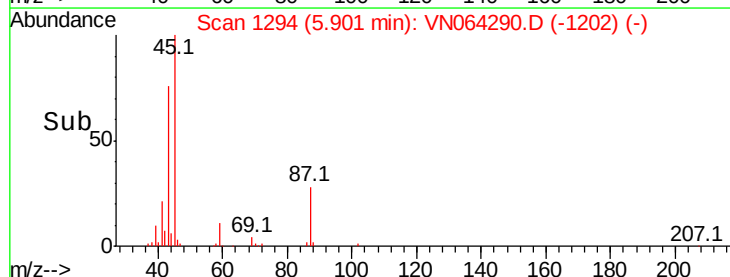
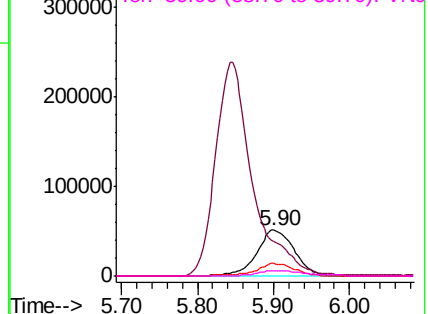
Abundance

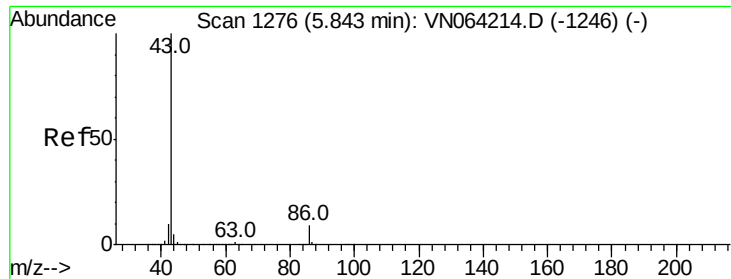
Ion 45.00 (44.70 to 45.70): VN0

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

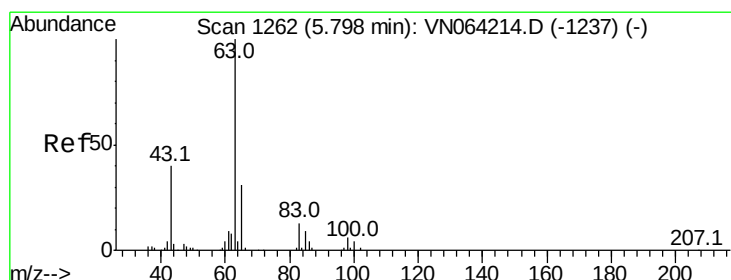
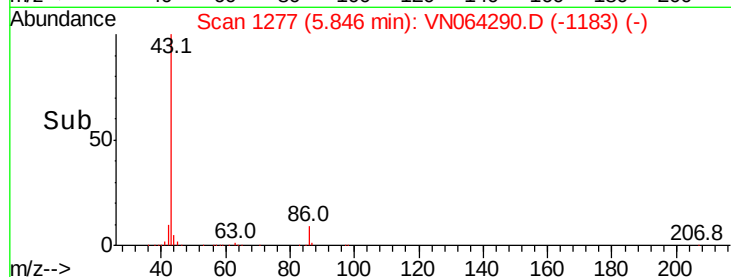
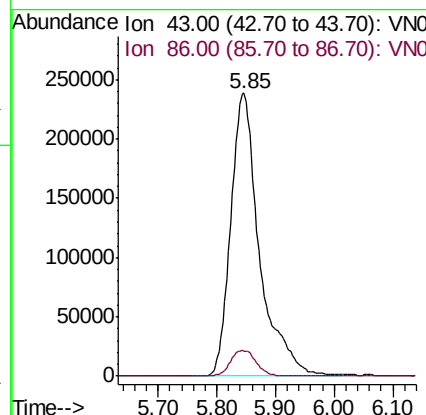
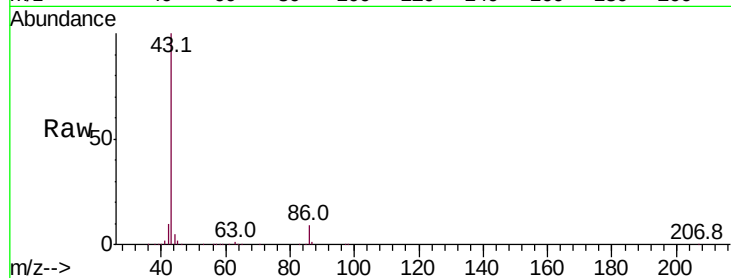




#23
 Vinyl Acetate
 Concen: 96.745 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

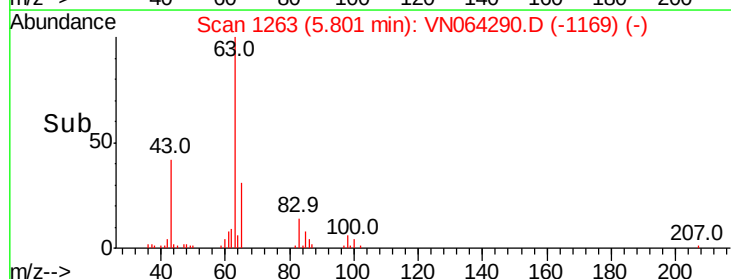
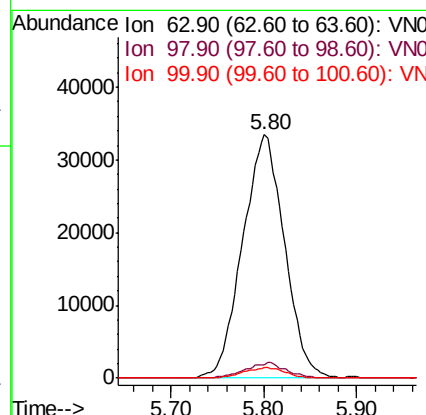
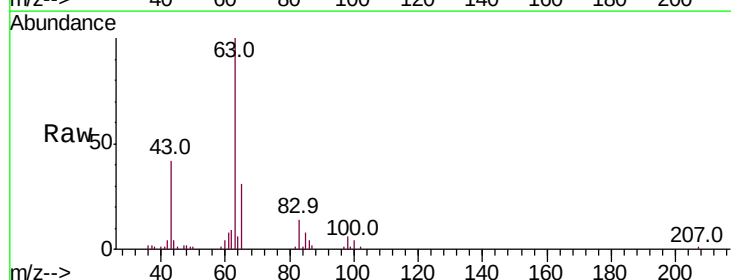
Instrument :
 MSVOA_N
 ClientSampled :
 VN1023MBS01

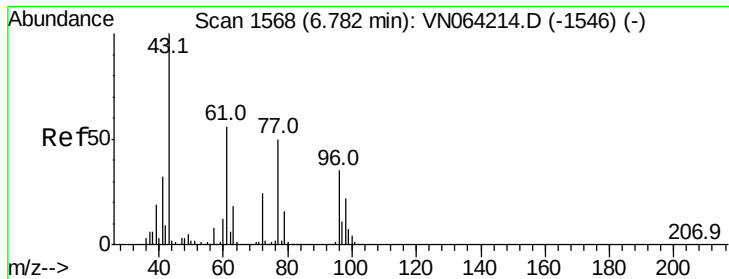
Tot Ion: 43 Resp: 813813
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 19.229 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion: 63 Resp: 105072
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.7
 100 4.5 2.0 6.0





#25

2-Butanone

Concen: 101.597 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampled :

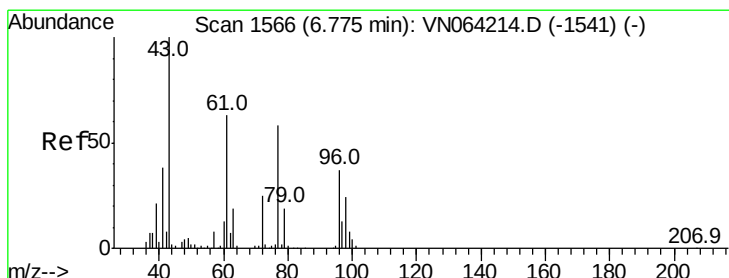
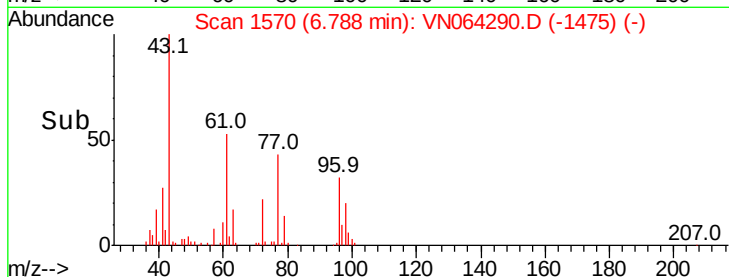
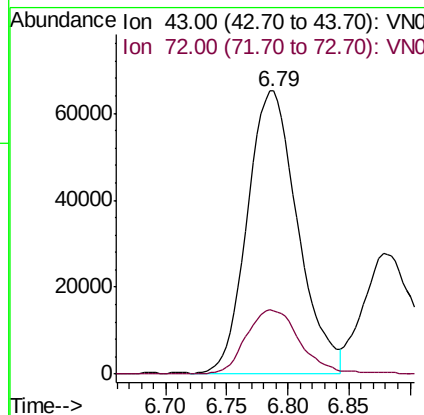
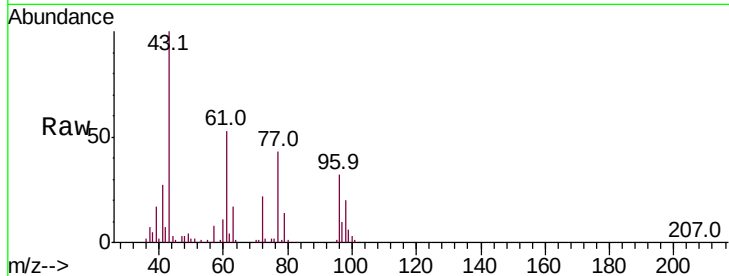
VN1023MBS01

Tot Ion: 43 Resp: 185528

Ion Ratio Lower Upper

43 100

72 22.3 19.4 29.0



#26

2,2-Dichloropropane

Concen: 19.859 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064290.D

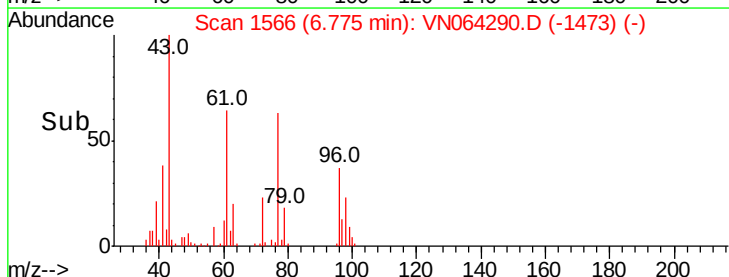
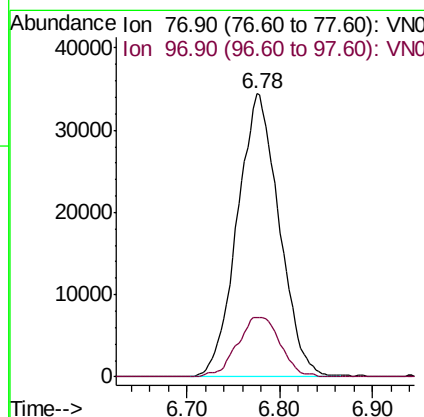
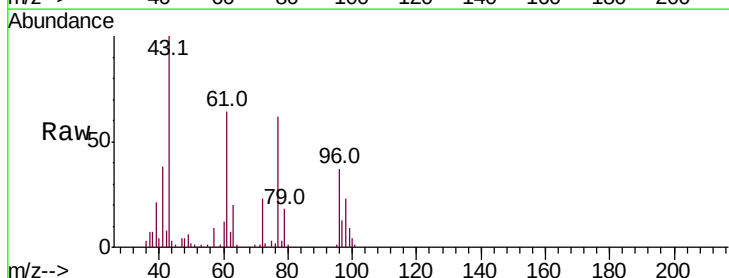
Acq: 23 Oct 2020 16:55

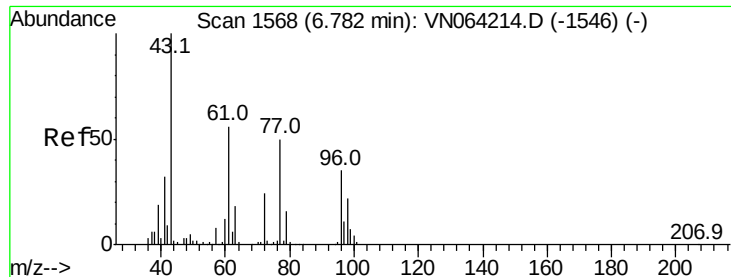
Tgt Ion: 77 Resp: 108032

Ion Ratio Lower Upper

77 100

97 21.5 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 19.035 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

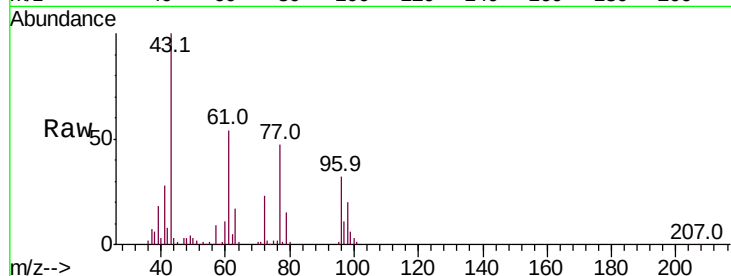
MSVOA_N

ClientSampleId :

VN1023MBS01

Tot Ion: 96 Resp: 61970

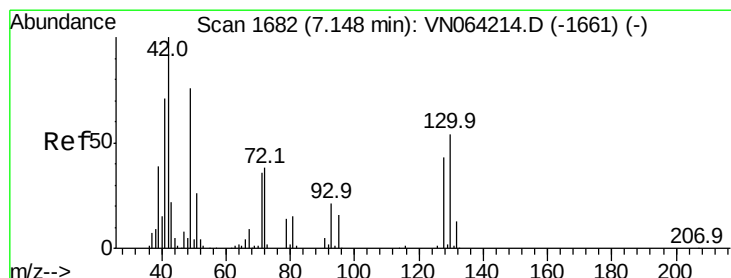
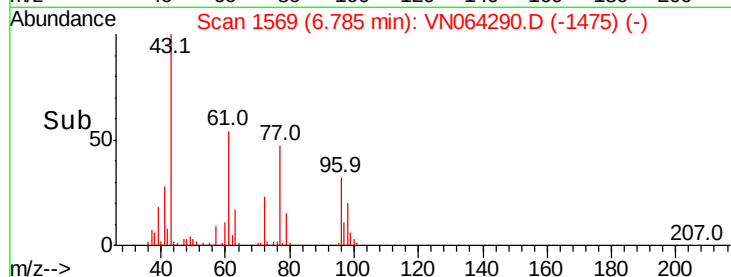
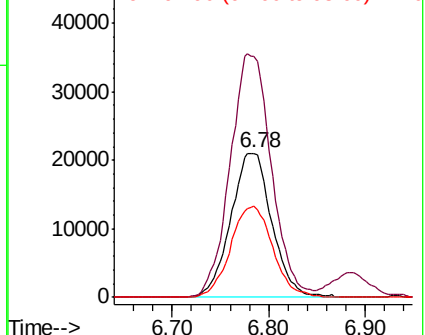
Ion	Ratio	Lower	Upper
96	100		
61	169.7	0.0	330.0
98	64.9	0.0	130.6



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: 17.608 ug/l

RT: 7.15 min Scan# 1683

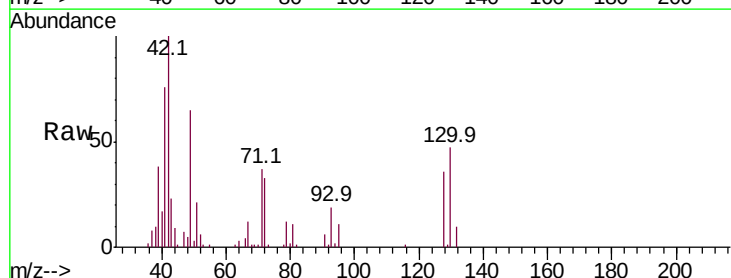
Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Tgt Ion: 49 Resp: 45707

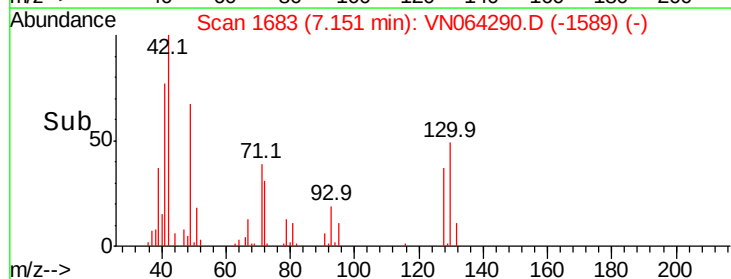
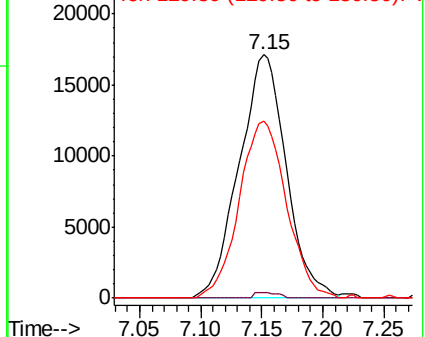
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	2.8
130	73.0	58.8	88.2

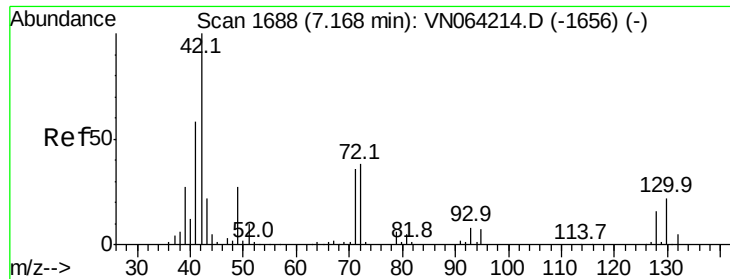


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 99.909 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

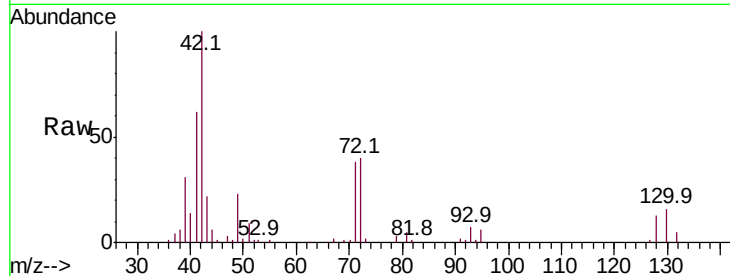
Tot Ion: 42 Resp: 109134

Ion Ratio Lower Upper

42 100

72 38.7 30.8 46.2

71 36.9 29.0 43.6

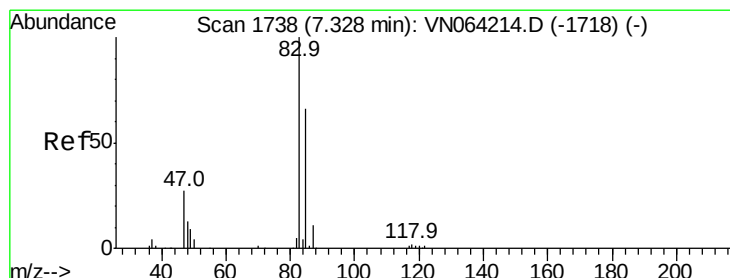
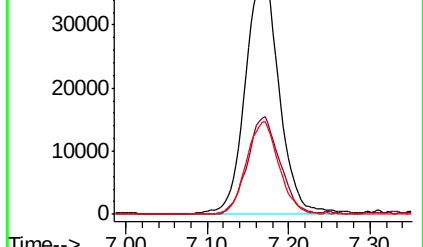
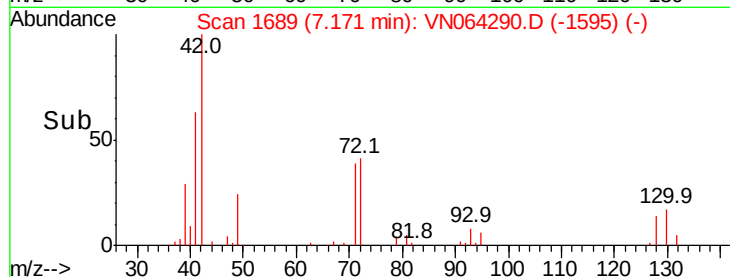


Abundance Ion 42.00 (41.70 to 42.70): VN064214.D (-1656) (-)

Ion 72.00 (71.70 to 72.70): VN064214.D (-1656) (-)

Ion 71.00 (70.70 to 71.70): VN064214.D (-1656) (-)

Time-->



#30

Chloroform

Concen: 19.028 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN064290.D

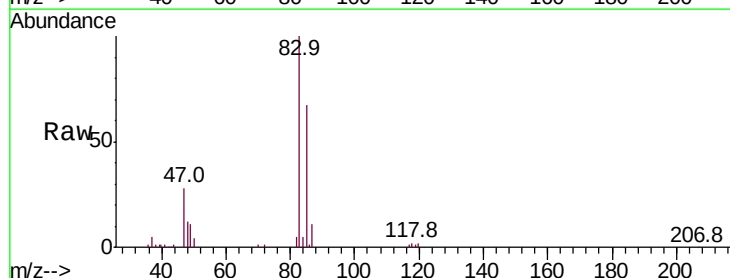
Acq: 23 Oct 2020 16:55

Tgt Ion: 83 Resp: 110907

Ion Ratio Lower Upper

83 100

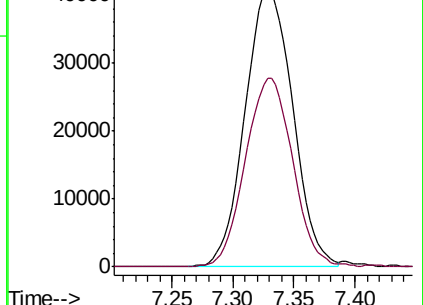
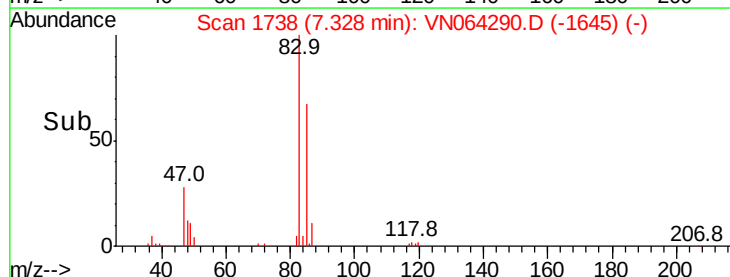
85 66.5 52.5 78.7

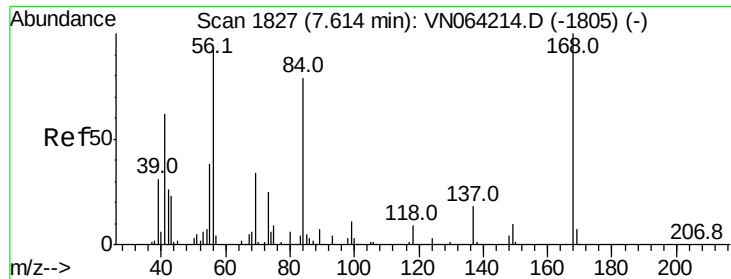


Abundance Ion 82.90 (82.60 to 83.60): VN064214.D (-1718) (-)

Ion 84.90 (84.60 to 85.60): VN064214.D (-1718) (-)

Time-->

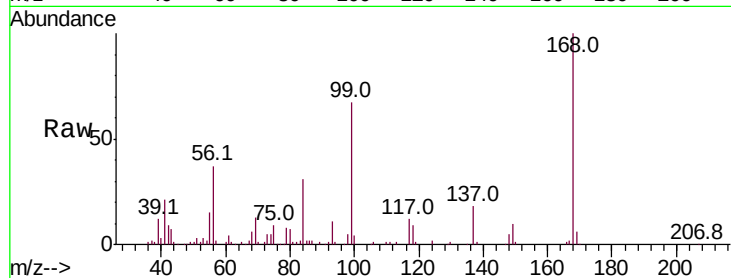




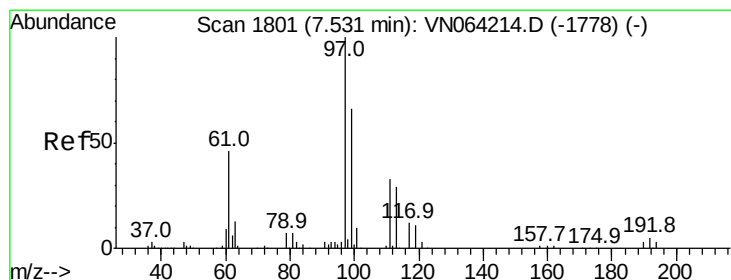
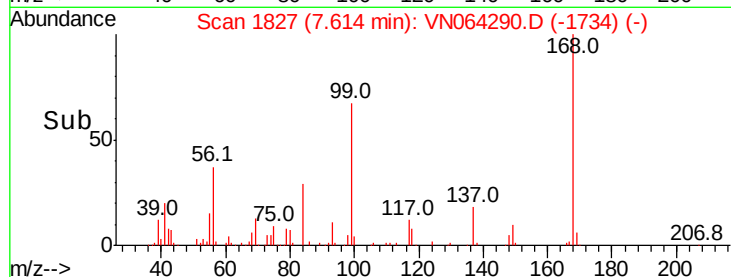
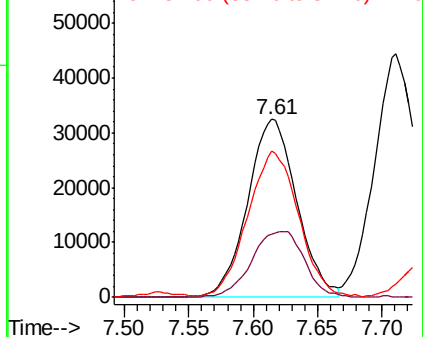
#31
Cyclohexane
Concen: 18.106 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampled :
VN1023MBS01

Tot Ion: 56 Resp: 86221
Ion Ratio Lower Upper
56 100
69 35.4 29.8 44.6
84 80.8 68.1 102.1

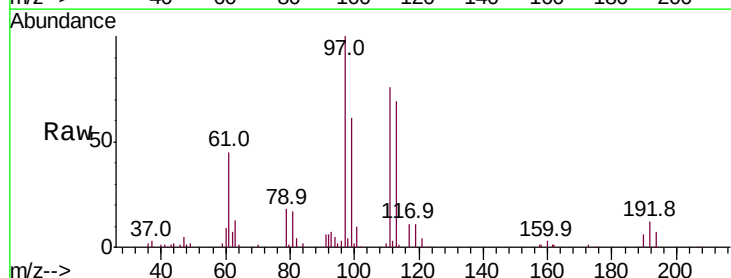


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

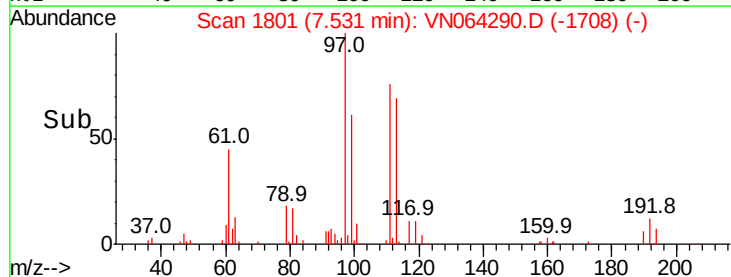
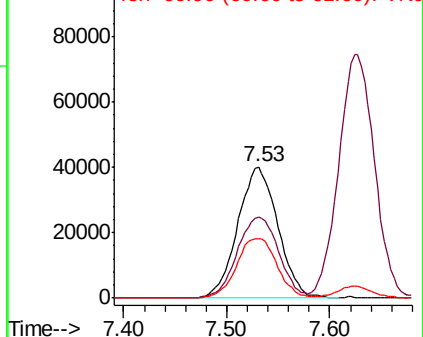


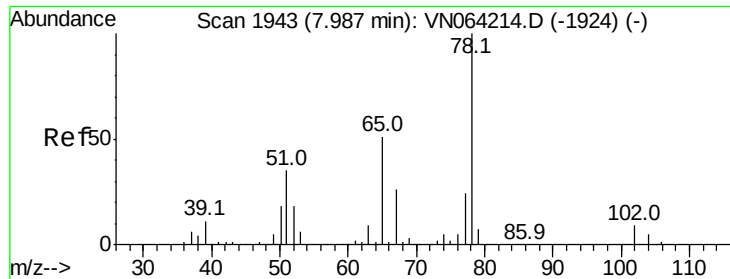
#32
1,1,1-Trichloroethane
Concen: 19.904 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 97 Resp: 108683
Ion Ratio Lower Upper
97 100
99 63.9 51.2 76.8
61 45.8 36.3 54.5



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

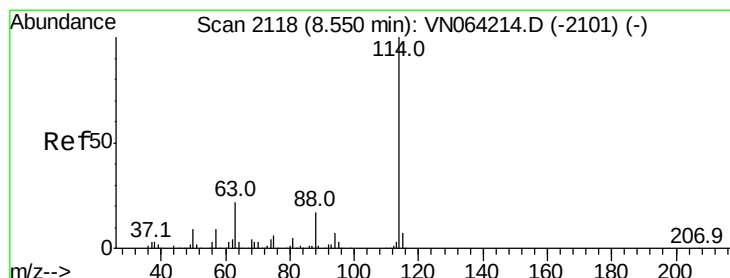
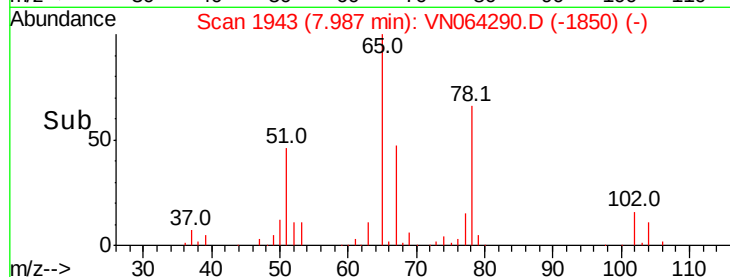
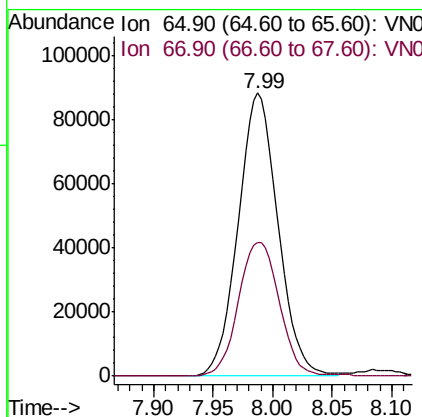
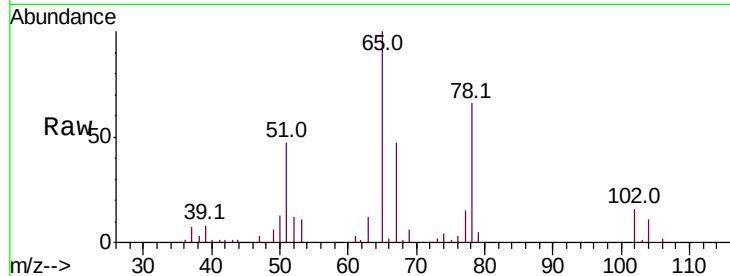




#33
 1,2-Dichloroethane-d4
 Concen: 50.907 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

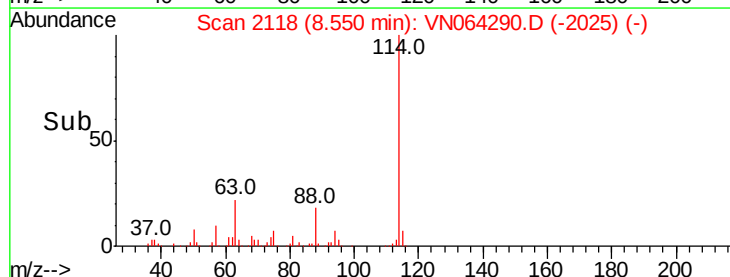
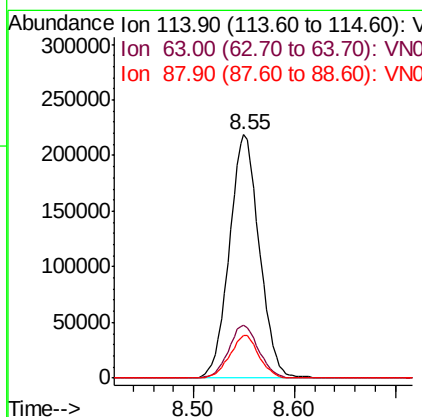
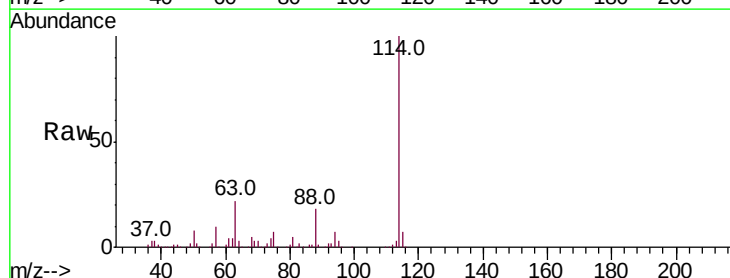
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

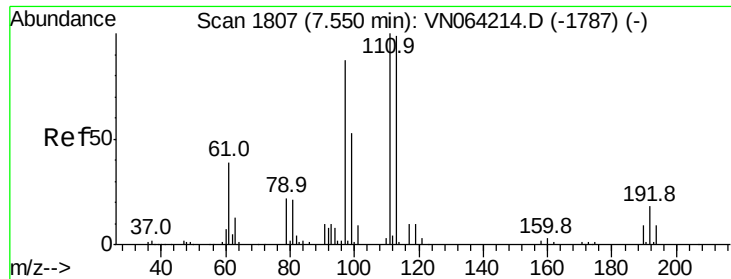
Tot Ion: 65 Resp: 204500
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion: 114 Resp: 452056
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 44.0
 88 17.7 0.0 34.2





#35

Dibromofluoromethane

Concen: 47.211 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

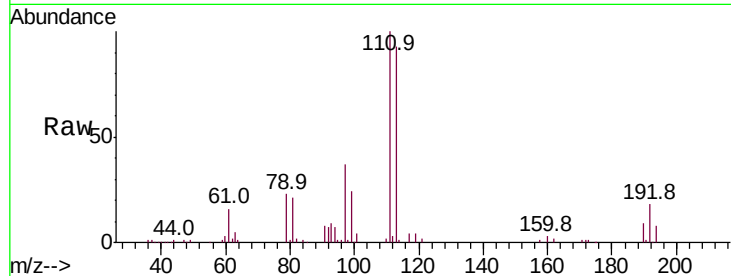
Tot Ion:113 Resp: 141893

Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.2

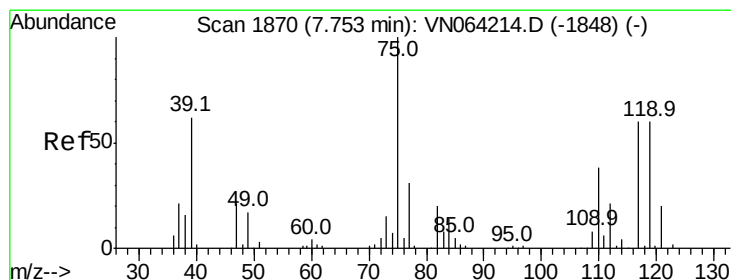
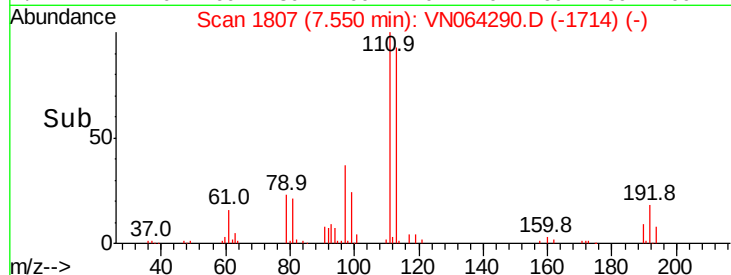
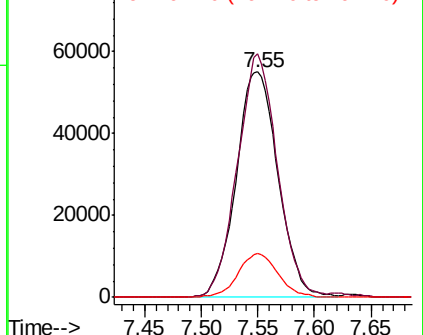
192 18.5 15.2 22.8



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: 19.138 ug/l

RT: 7.75 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

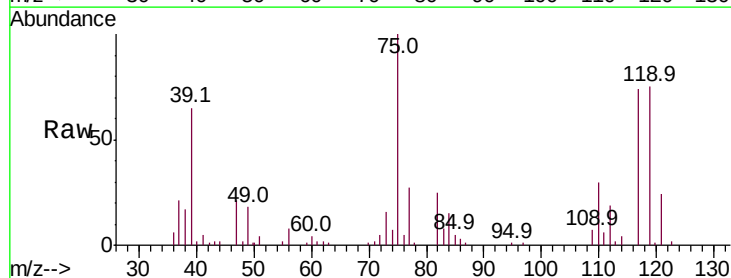
Tgt Ion: 75 Resp: 86249

Ion Ratio Lower Upper

75 100

110 30.9 17.2 51.6

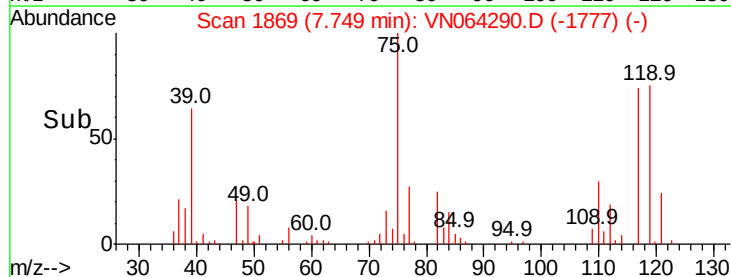
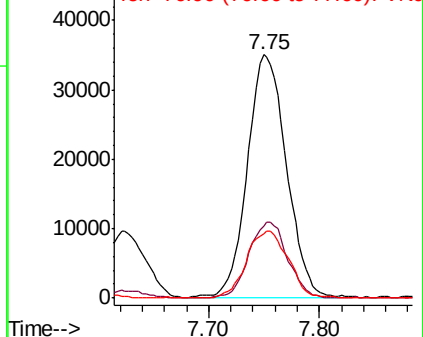
77 29.3 24.9 37.3

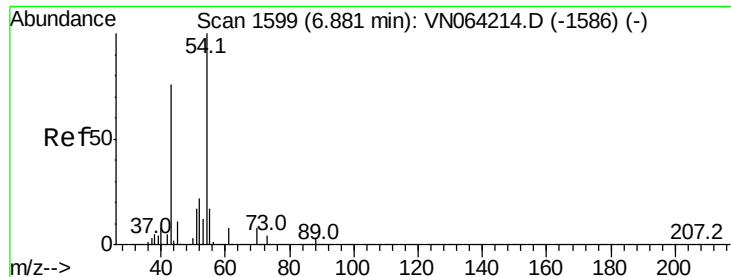


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

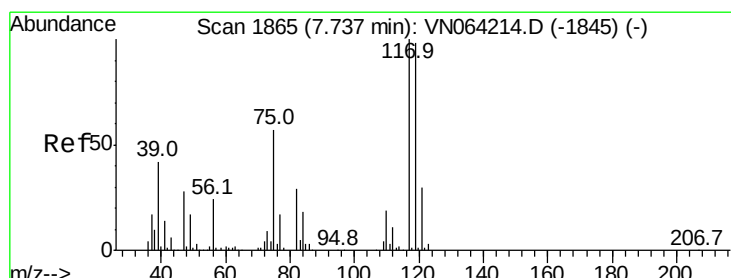
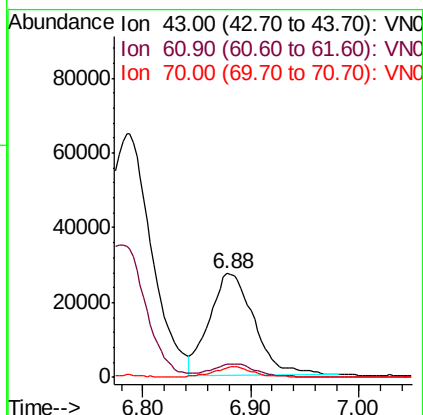
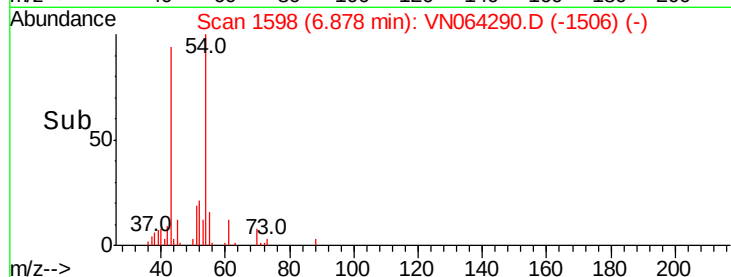
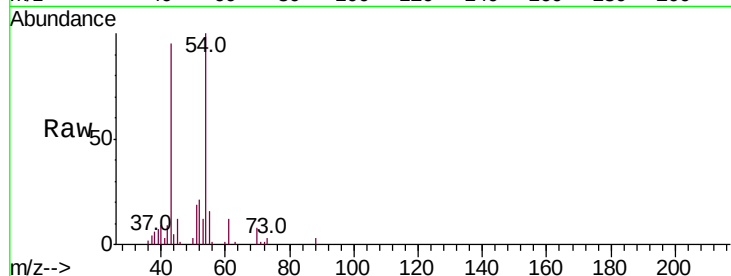




#37
Ethyl Acetate
Concen: 19.211 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

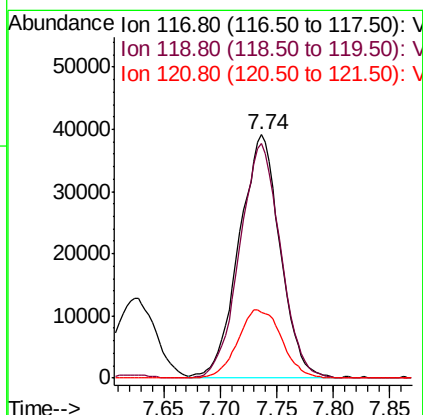
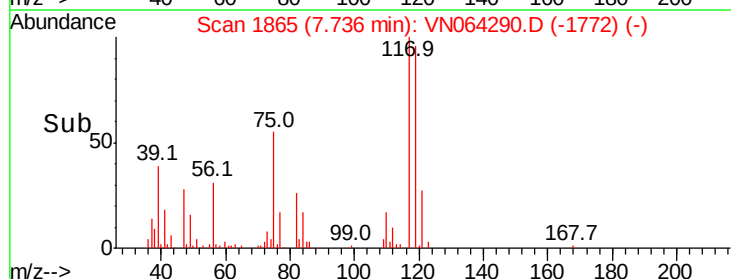
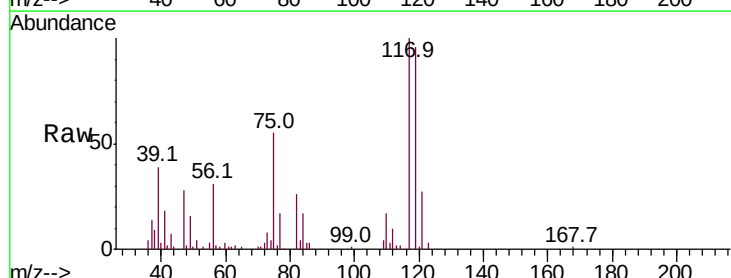
Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

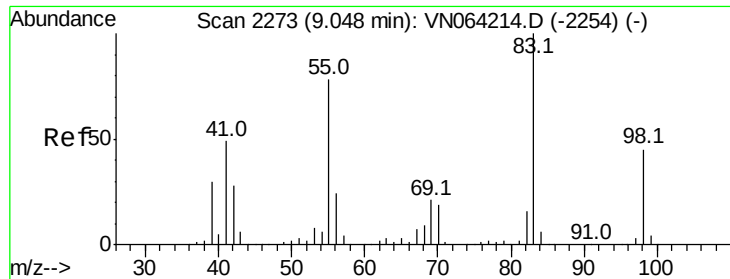
Tot Ion: 43 Resp: 78608
Ion Ratio Lower Upper
43 100
61 10.9 10.0 15.0
70 9.2 7.5 11.3



#38
Carbon Tetrachloride
Concen: 19.211 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 117 Resp: 98505
Ion Ratio Lower Upper
117 100
119 96.3 78.5 117.7
121 27.0 24.3 36.5

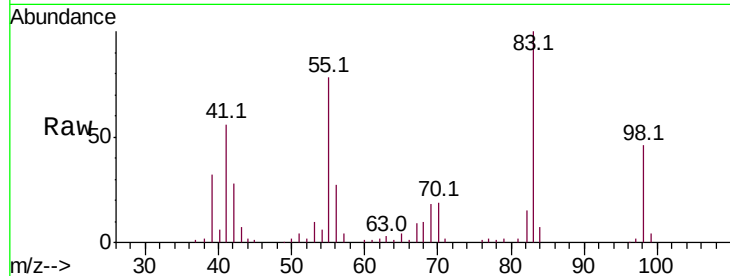




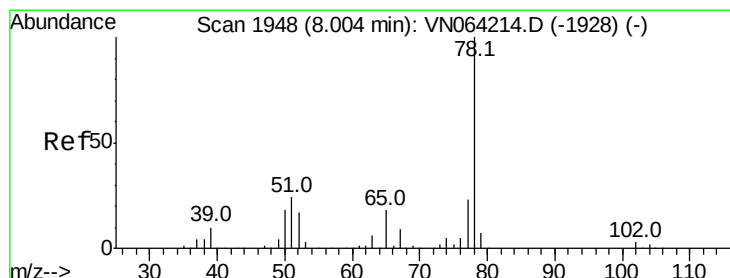
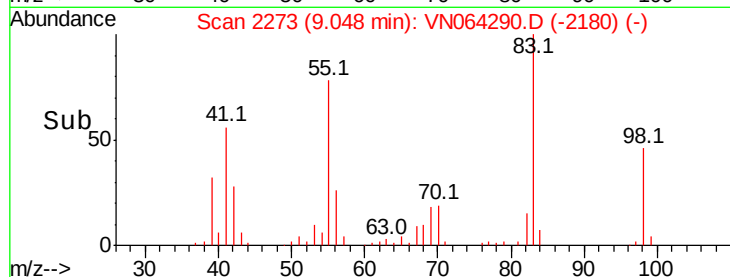
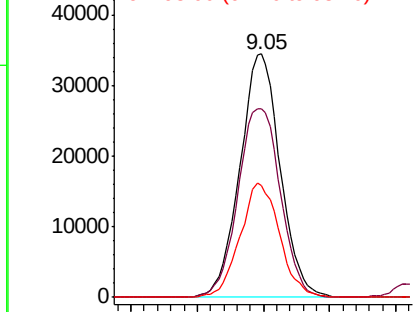
#39
Methylvlcyclohexane
Concen: 17.708 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion: 83 Resp: 72566
Ion Ratio Lower Upper
83 100
55 77.7 62.2 93.2
98 45.8 35.9 53.9

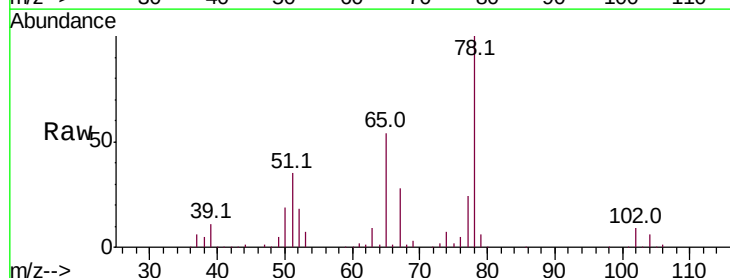


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

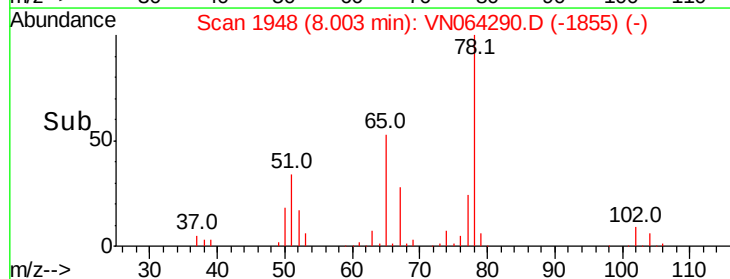
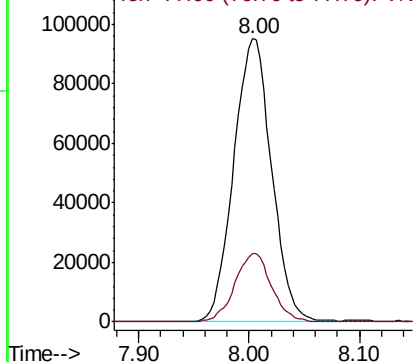


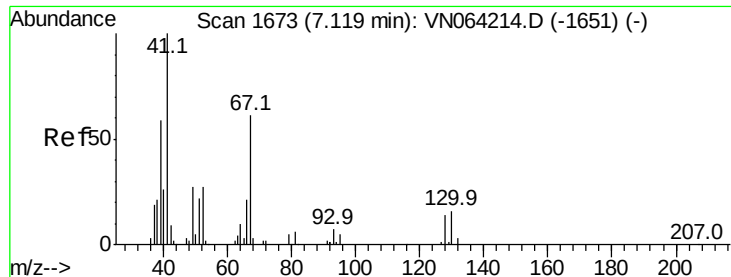
#40
Benzene
Concen: 18.271 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 78 Resp: 227307
Ion Ratio Lower Upper
78 100
77 24.1 18.3 27.5



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

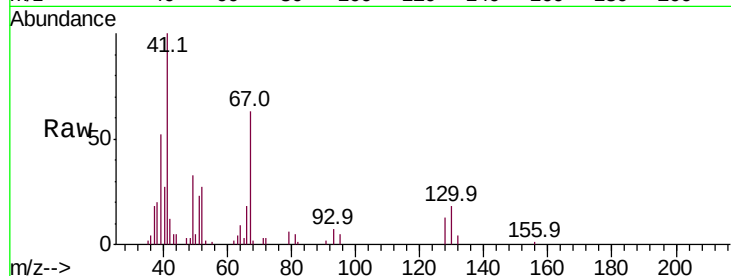




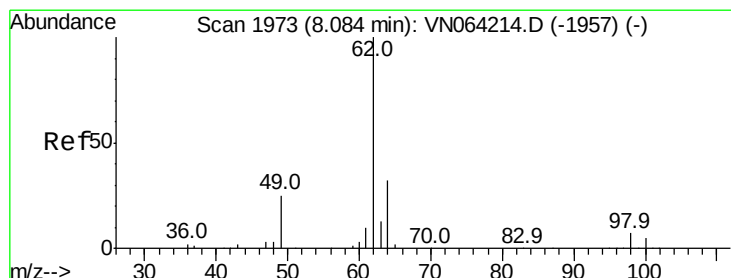
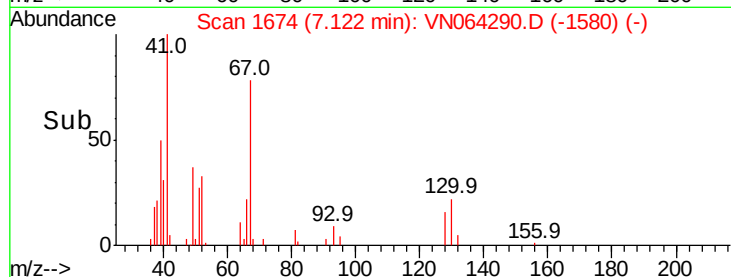
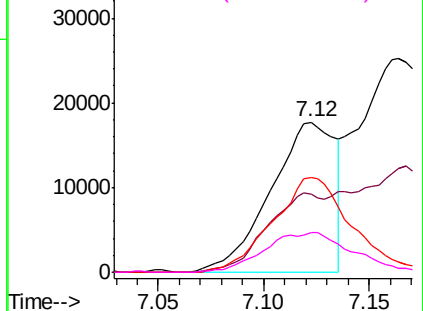
#41
Methacrylonitrile
Concen: 17.579 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

Tot Ion: 41 Resp: 37733
Ion Ratio Lower Upper
41 100
39 45.9 50.5 75.7#
67 76.6 63.2 94.8
52 36.2 29.3 43.9

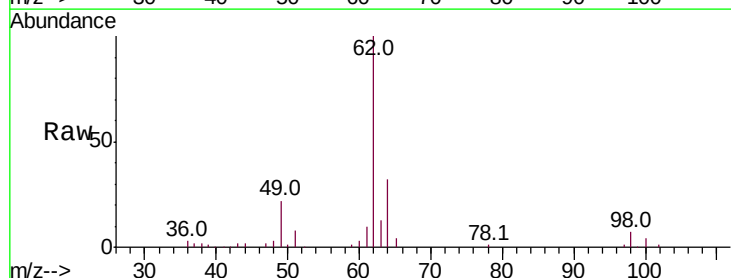


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

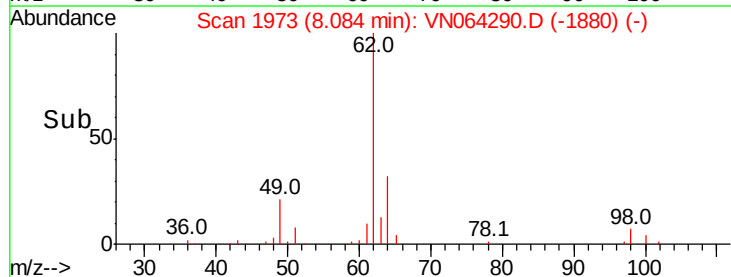
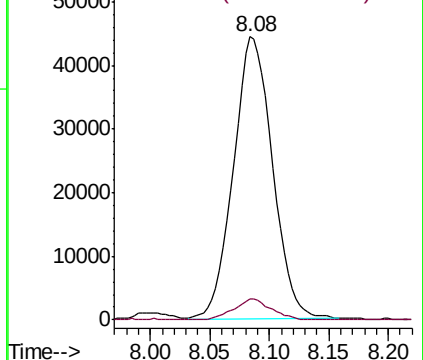


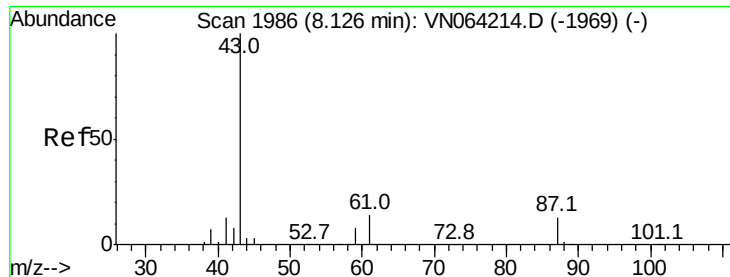
#42
1,2-Dichloroethane
Concen: 18.941 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 62 Resp: 100945
Ion Ratio Lower Upper
62 100
98 7.0 0.0 15.0



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





#43

Isopropyl Acetate

Concen: 18.663 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

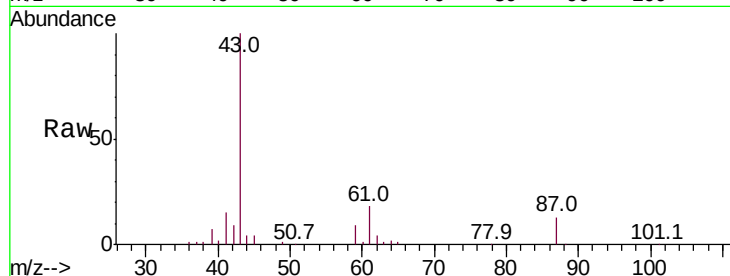
MSVOA_N

ClientSampleId :

VN1023MBS01

Tot Ion: 43 Resp: 142322

Ion	Ratio	Lower	Upper
43	100		
61	17.9	19.6	29.4#
87	12.5	9.8	14.6



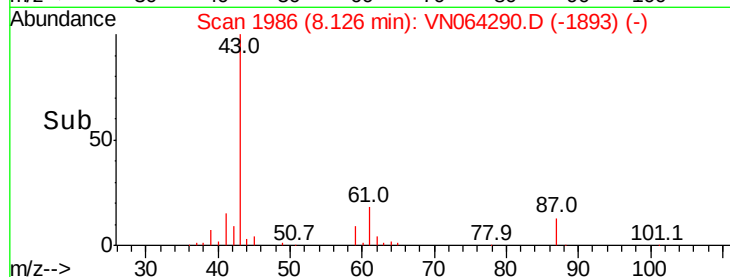
Abundance Ion 43.00 (42.70 to 43.70): VN064214.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN064214.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN064214.D (-1969) (-)

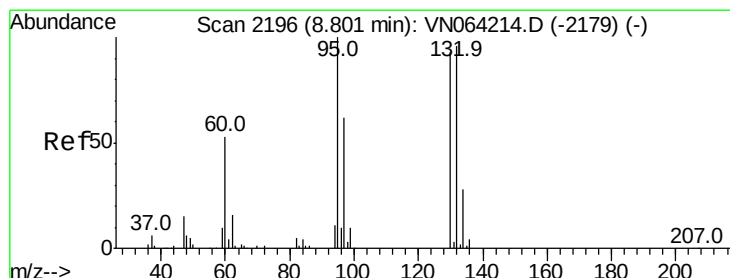
8.13

Time-->



8.13

Time-->



#44

Trichloroethene

Concen: 19.105 ug/l

RT: 8.80 min Scan# 2196

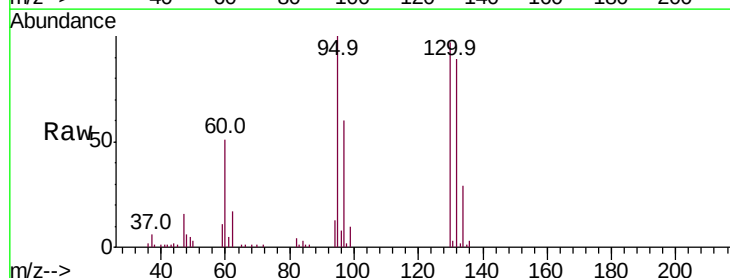
Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Tgt Ion:130 Resp: 64766

Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	214.0

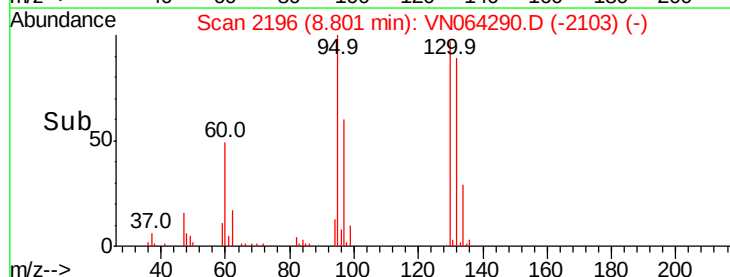


Abundance Ion 129.80 (129.50 to 130.50): VN064214.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN064214.D (-2179) (-)

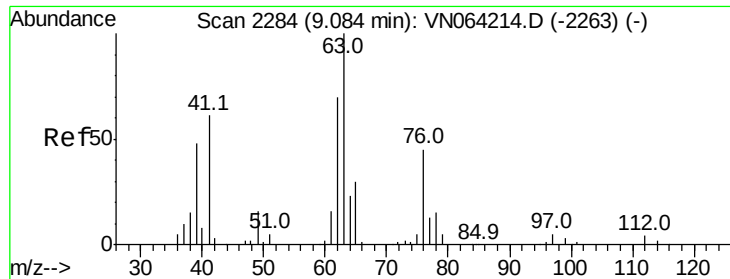
8.80

Time-->



8.80

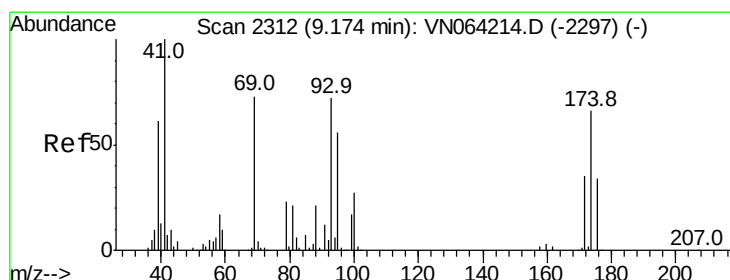
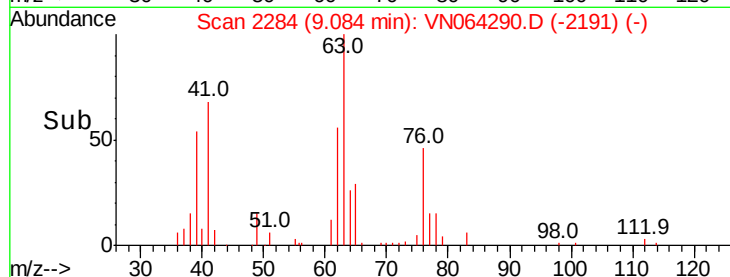
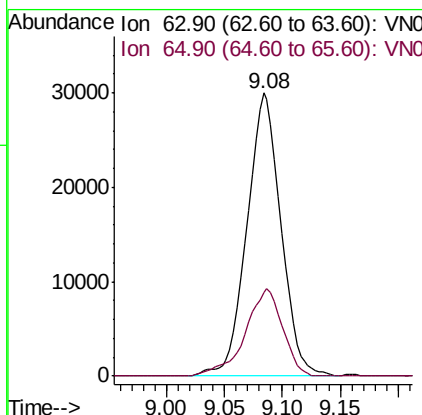
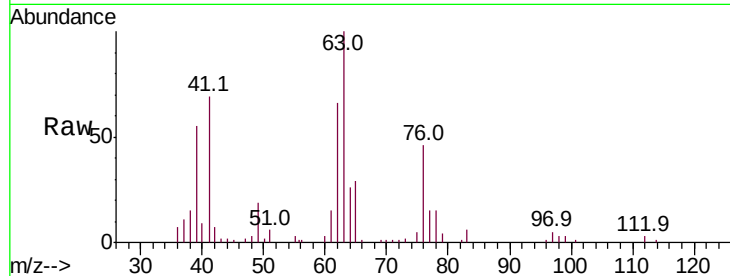
Time-->



#45
 1,2-Dichloropropane
 Concen: 18.490 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

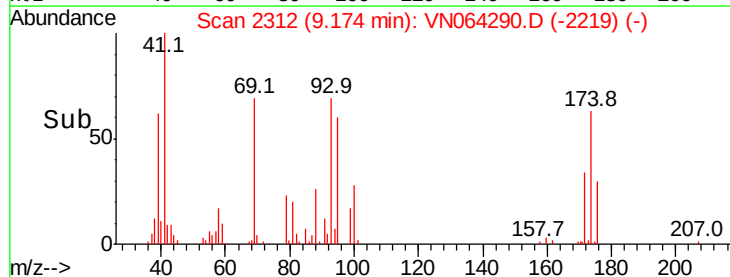
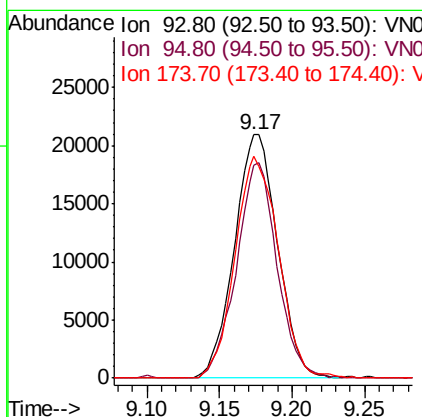
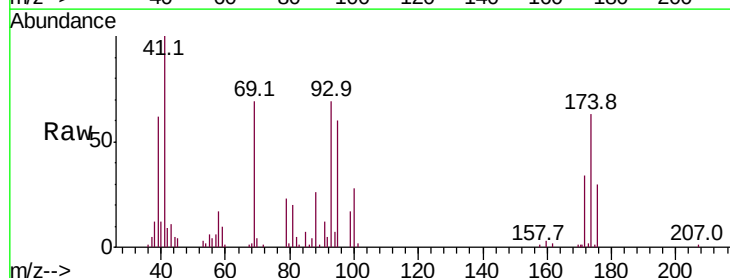
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

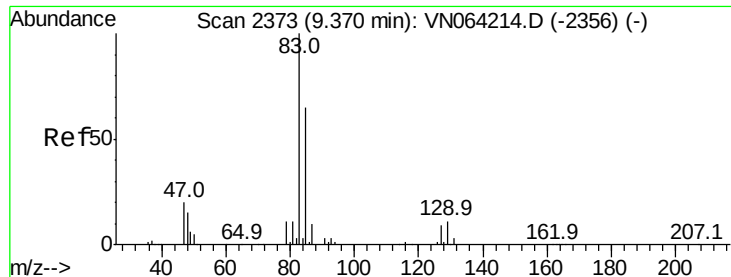
Tot Ion: 63 Resp: 61409
 Ion Ratio Lower Upper
 63 100
 65 29.4 24.0 36.0



#46
 Dibromomethane
 Concen: 19.381 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion: 93 Resp: 43222
 Ion Ratio Lower Upper
 93 100
 95 83.2 63.0 94.4
 174 92.0 72.9 109.3





#47

Bromodichloromethane

Concen: 18.860 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

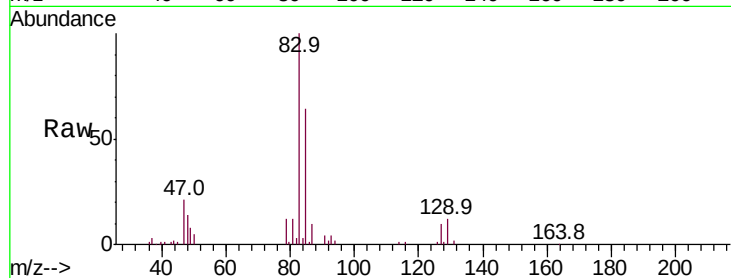
Tot Ion: 83 Resp: 92924

Ion Ratio Lower Upper

83 100

85 64.2 51.8 77.8

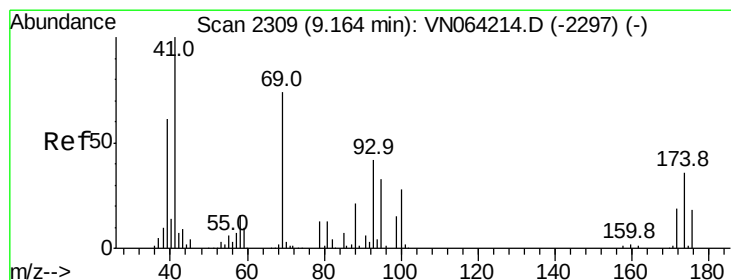
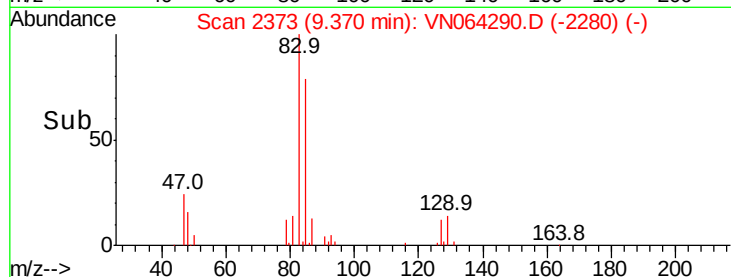
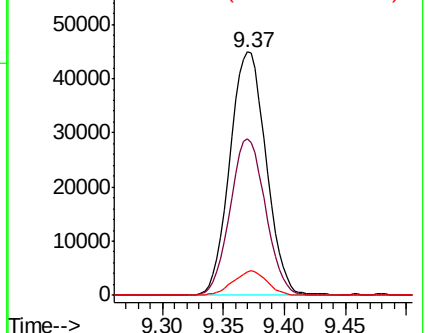
127 9.5 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN064290.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064290.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064290.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.179 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

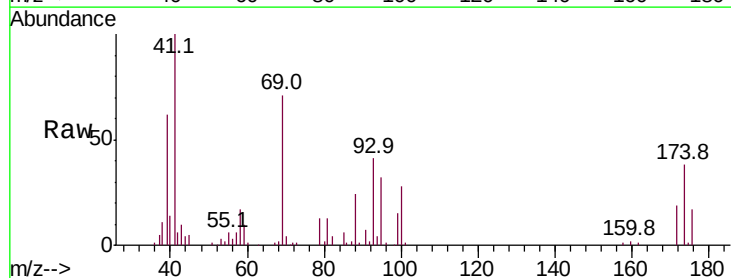
Tgt Ion: 41 Resp: 72418

Ion Ratio Lower Upper

41 100

69 68.9 57.3 85.9

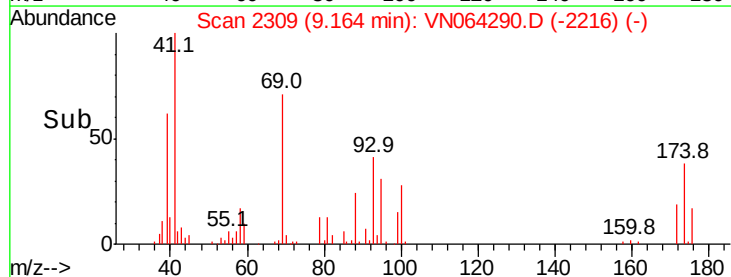
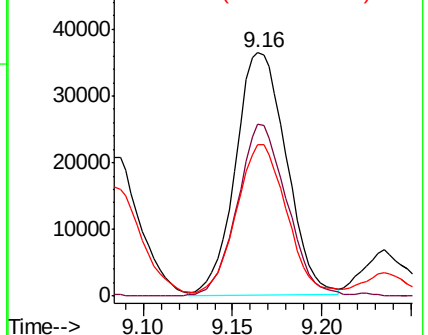
39 62.7 48.6 73.0

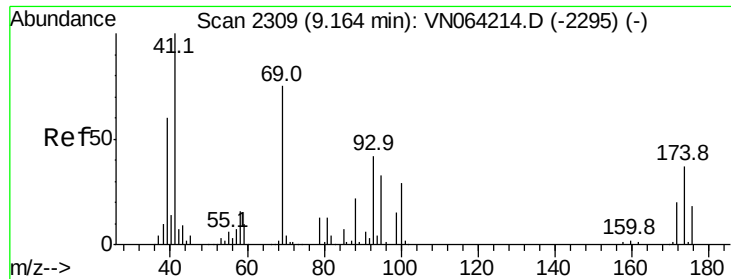


Abundance Ion 41.00 (40.70 to 41.70): VN064290.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064290.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064290.D (-2216) (-)





#49

1,4-Dioxane

Concen: 397.681 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

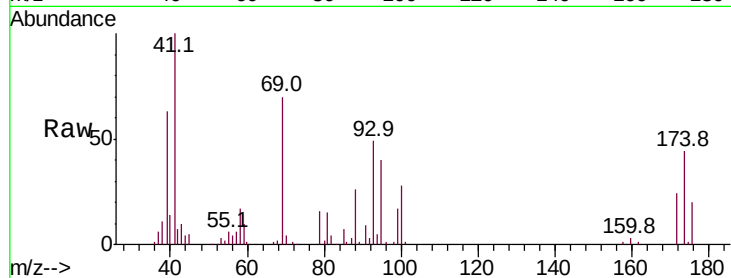
Tot Ion: 88 Resp: 18536

Ion Ratio Lower Upper

88 100

43 38.7 34.6 52.0

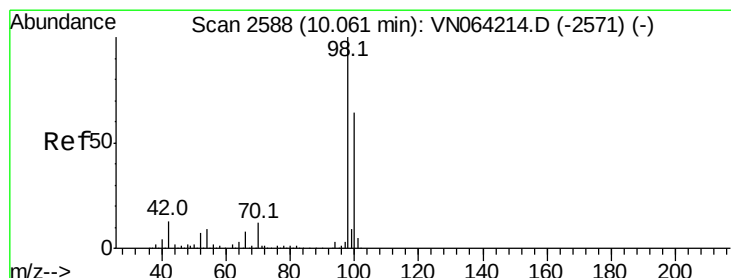
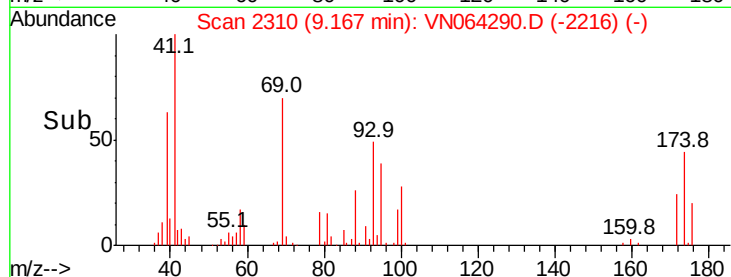
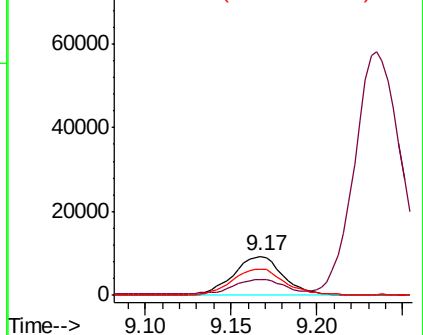
58 72.1 59.0 88.6



Abundance Ion 88.00 (87.70 to 88.70): VN064214.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN064214.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN064214.D (-2295) (-)



#50

Toluene-d8

Concen: 47.221 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. -0.00 min

Lab File: VN064290.D

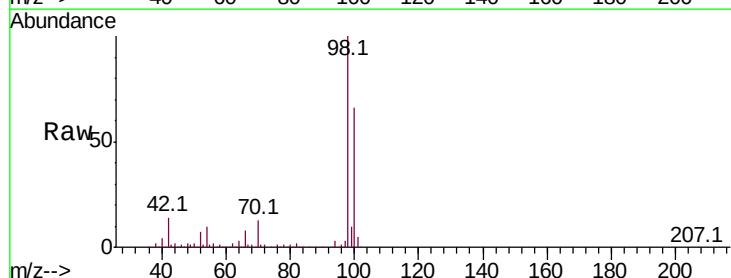
Acq: 23 Oct 2020 16:55

Tgt Ion: 98 Resp: 514826

Ion Ratio Lower Upper

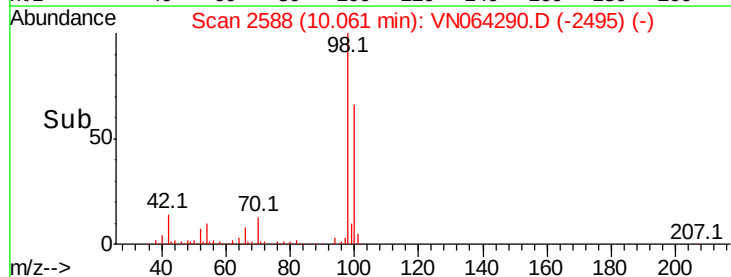
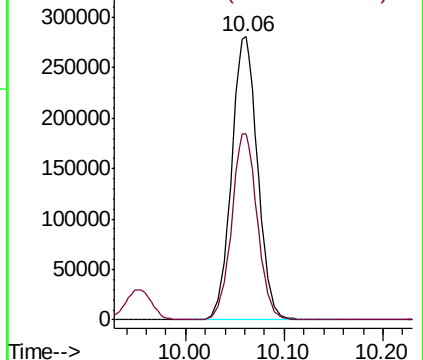
98 100

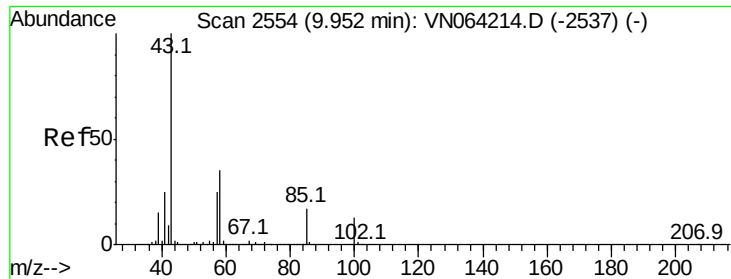
100 64.7 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN064214.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN064214.D (-2571) (-)

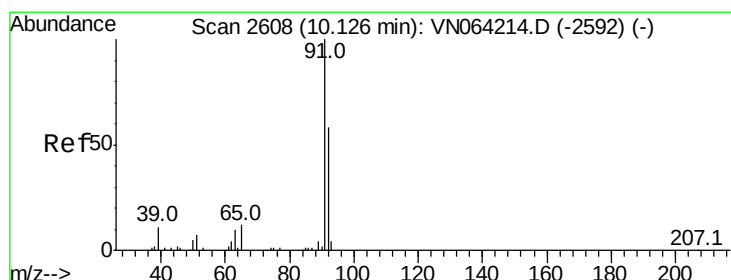
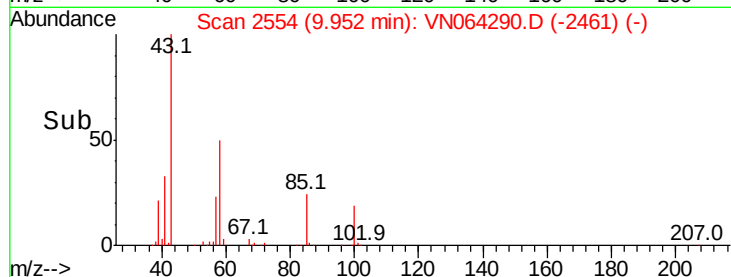
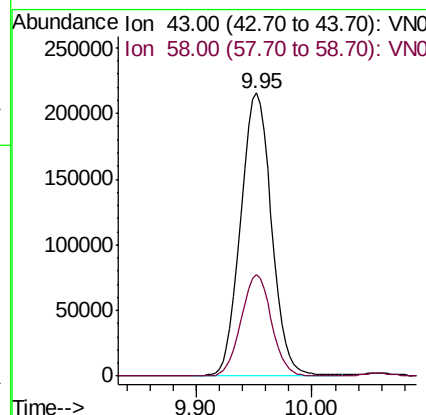
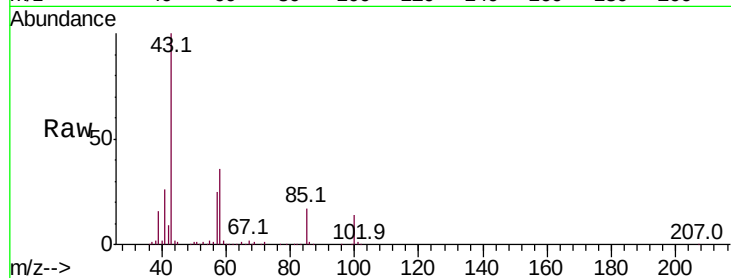




#51
4-Methyl-2-Pentanone
Concen: 97.106 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

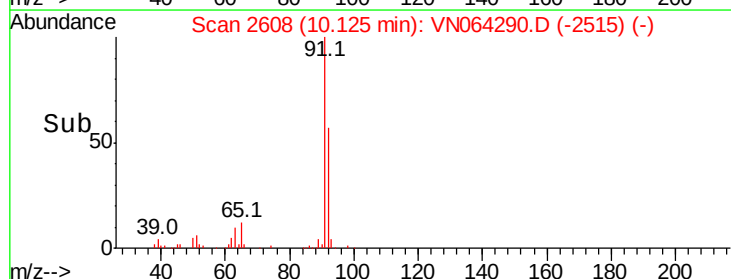
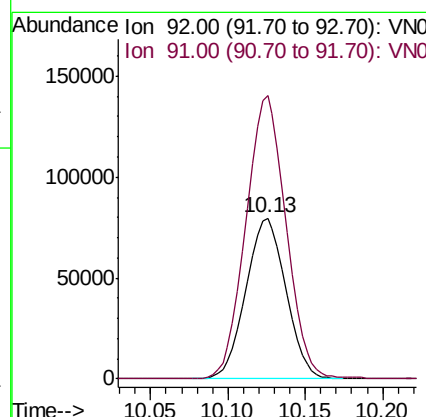
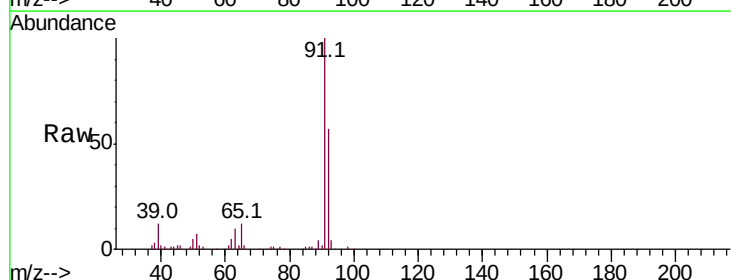
Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

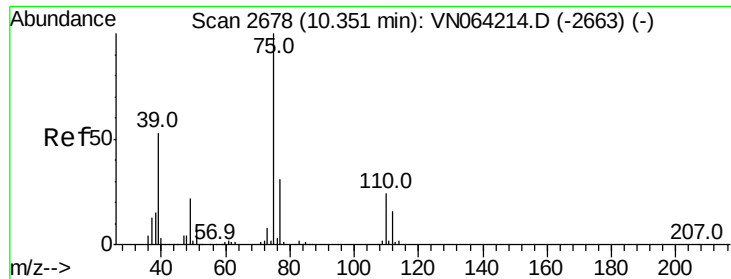
Tot Ion: 43 Resp: 395770
Ion Ratio Lower Upper
43 100
58 35.3 28.6 42.8



#52
Toluene
Concen: 18.056 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 92 Resp: 143731
Ion Ratio Lower Upper
92 100
91 176.9 137.4 206.2

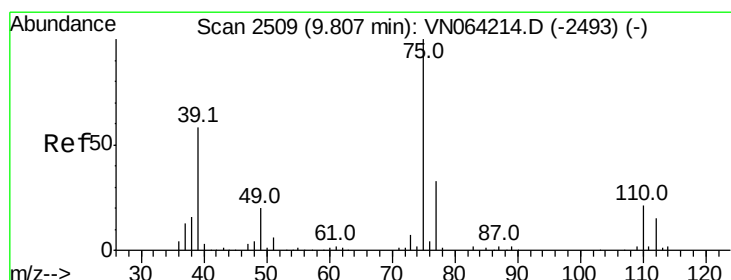
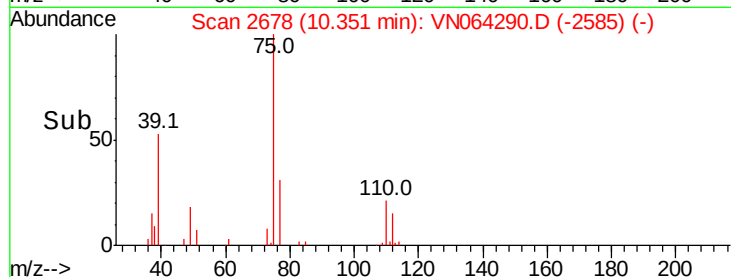
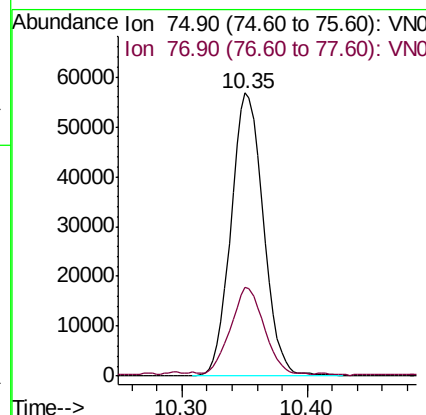
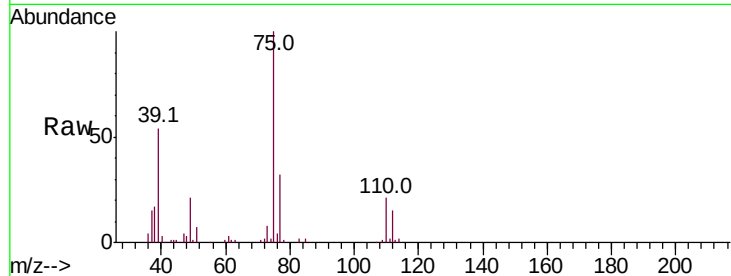




#53
 t-1,3-Dichloropropene
 Concen: 18.600 ug/l
 RT: 10.35 min Scan# 2678
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

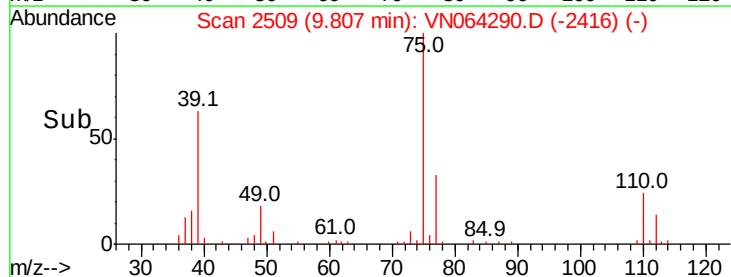
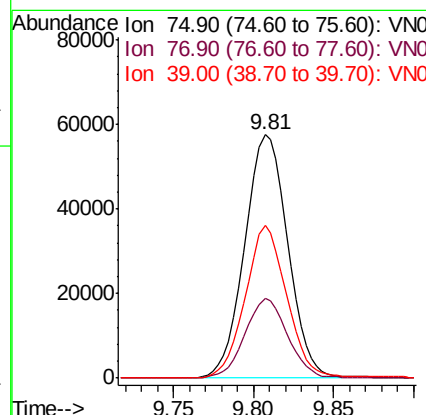
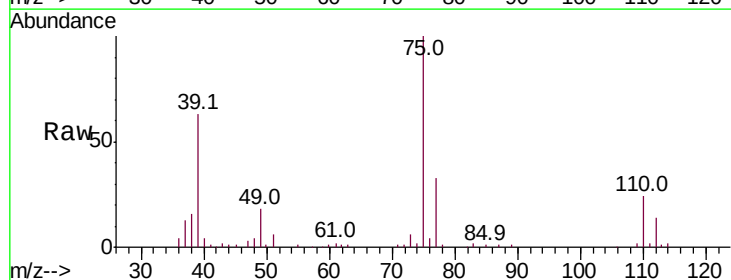
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

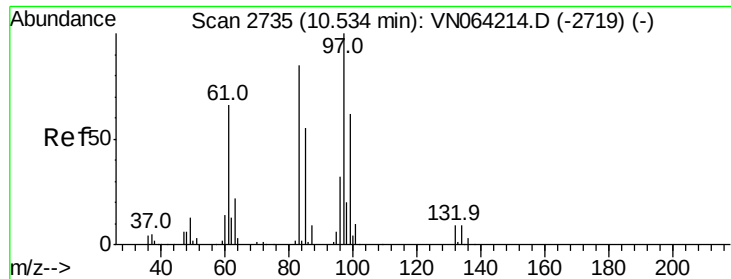
Tot Ion: 75 Resp: 101799
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 18.351 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion: 75 Resp: 105752
 Ion Ratio Lower Upper
 75 100
 77 32.7 26.6 39.8
 39 62.6 46.7 70.1

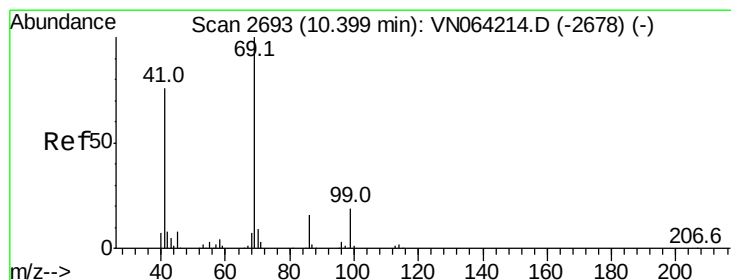
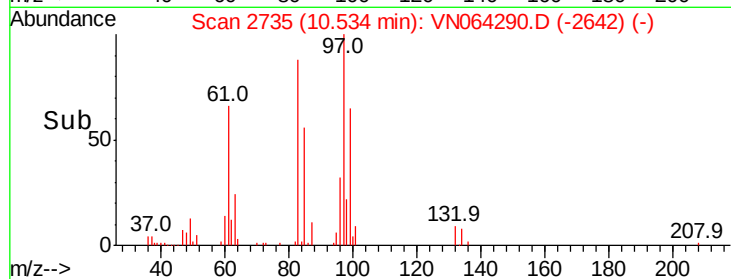
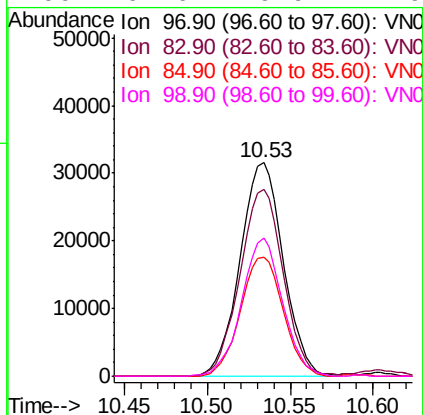
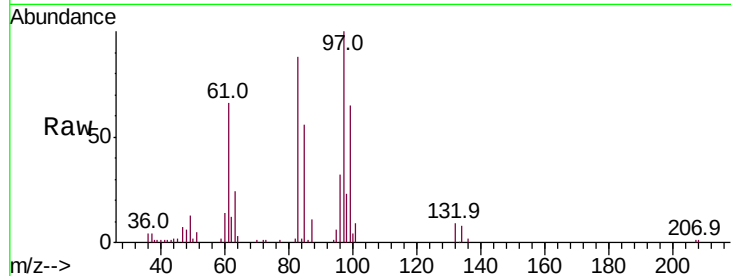




#55
 1,1,2-Trichloroethane
 Concen: 19.091 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

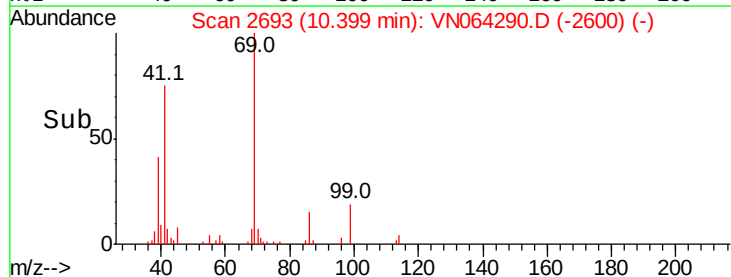
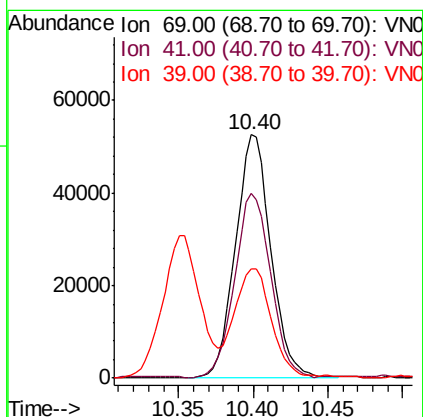
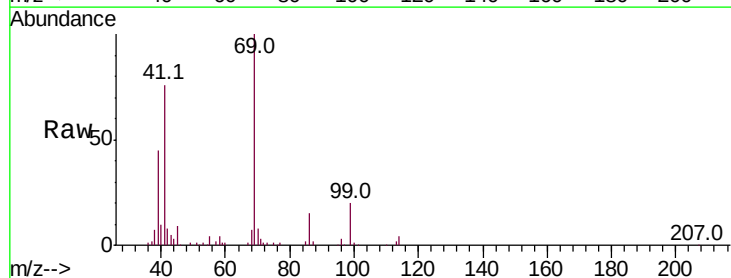
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

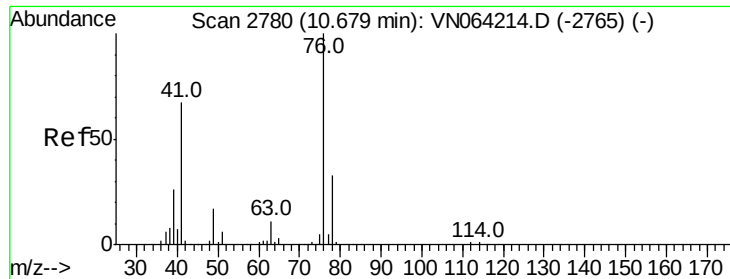
Tot Ion:	97	Resp:	57395
Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.8	101.6
85	56.0	43.6	65.4
99	64.6	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 18.692 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion:	69	Resp:	86892
Ion	Ratio	Lower	Upper
69	100		
41	77.4	61.4	92.2
39	45.9	36.0	54.0





#57

1,3-Dichloropropane

Concen: 19.560 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

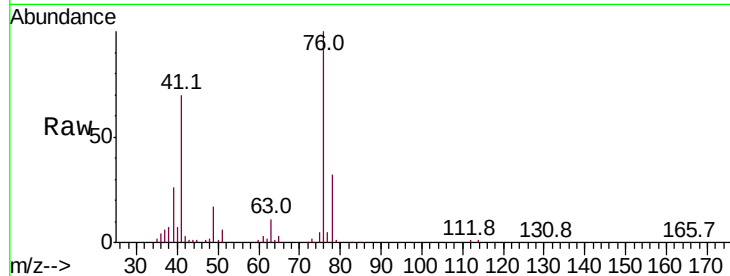
VN1023MBS01

Tot Ion: 76 Resp: 102145

Ion Ratio Lower Upper

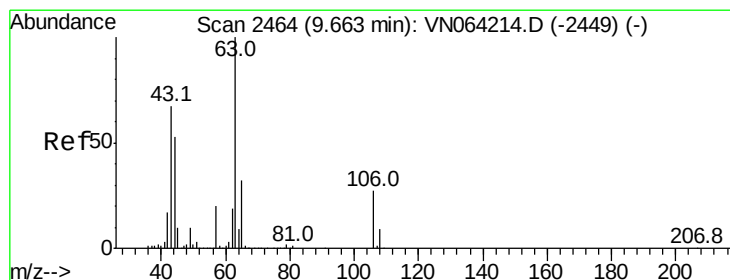
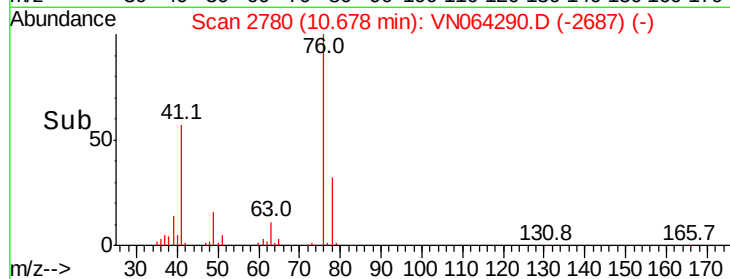
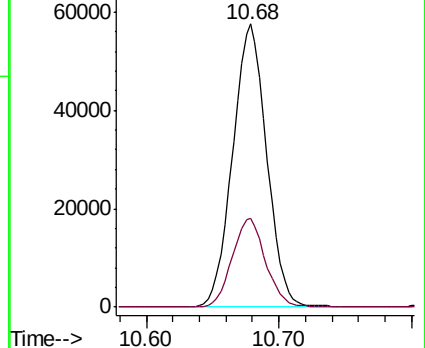
76 100

78 30.8 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: 94.023 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064290.D

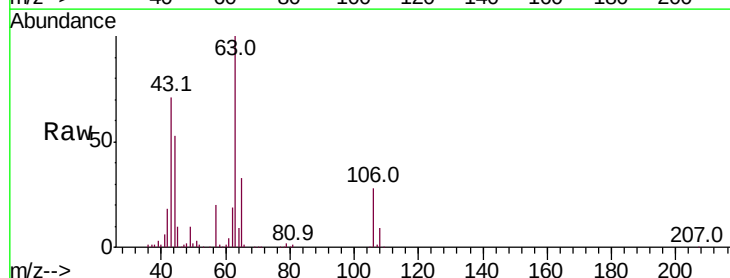
Acq: 23 Oct 2020 16:55

Tgt Ion: 63 Resp: 225070

Ion Ratio Lower Upper

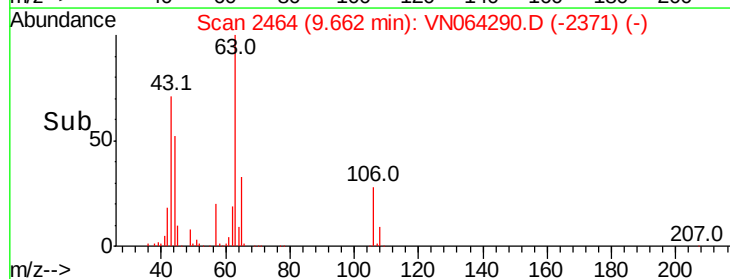
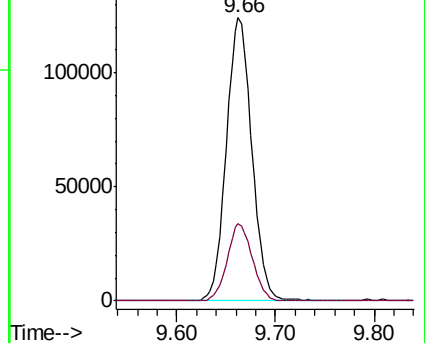
63 100

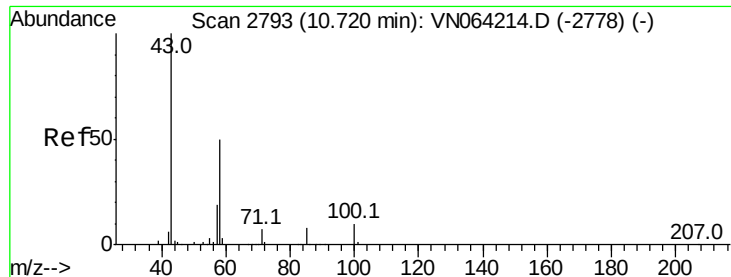
106 26.9 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 98.930 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

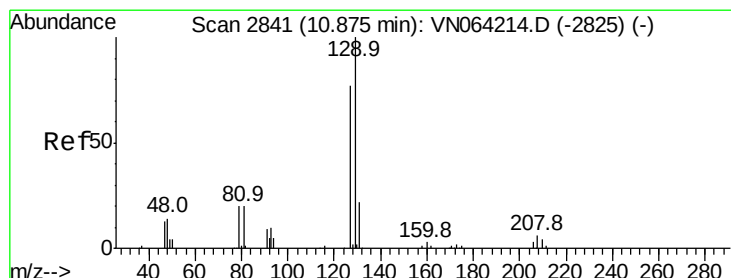
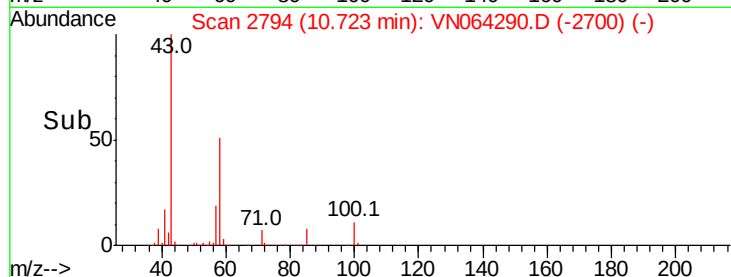
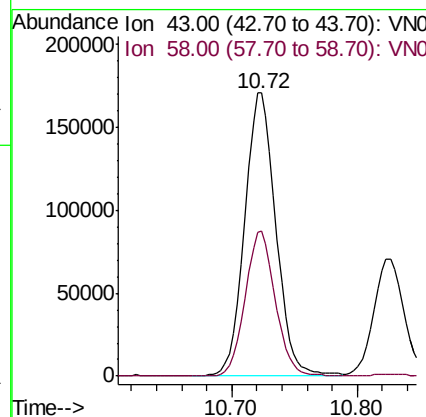
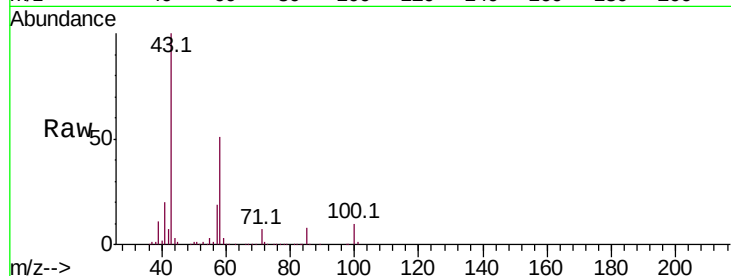
VN1023MBS01

Tot Ion: 43 Resp: 294462

Ion Ratio Lower Upper

43 100

58 49.7 24.8 74.3



#60

Dibromochloromethane

Concen: 17.741 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064290.D

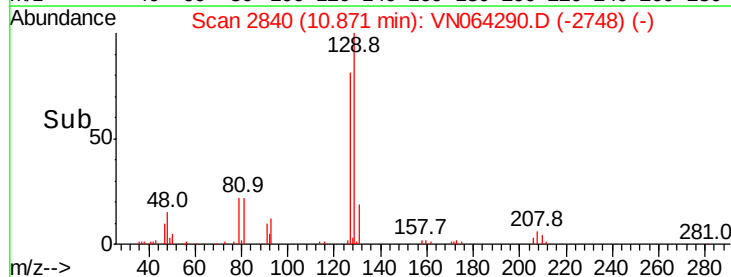
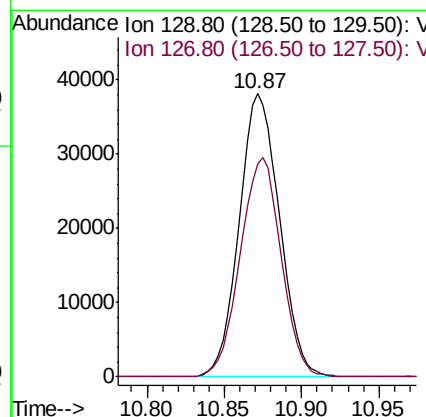
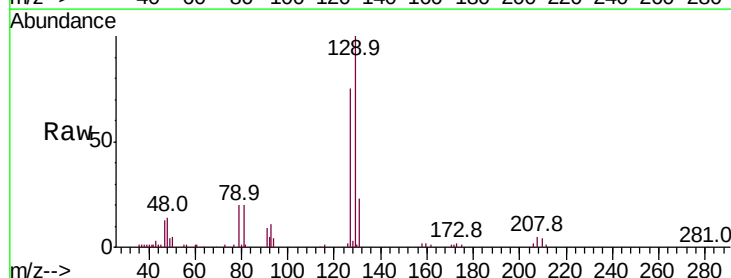
Acq: 23 Oct 2020 16:55

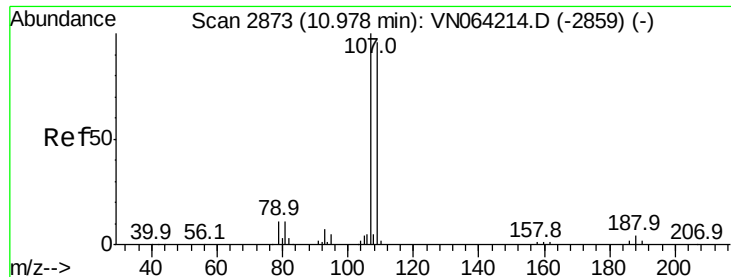
Tgt Ion: 129 Resp: 69046

Ion Ratio Lower Upper

129 100

127 78.7 38.8 116.3





#61

1,2-Dibromoethane

Concen: 18.975 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

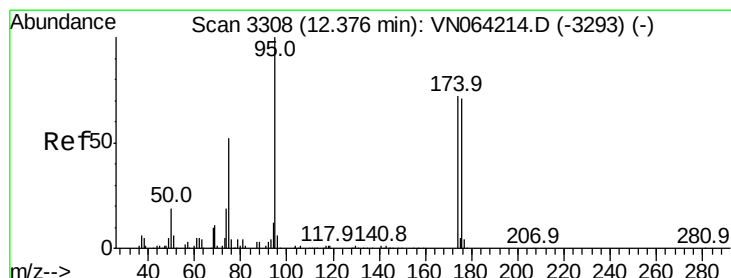
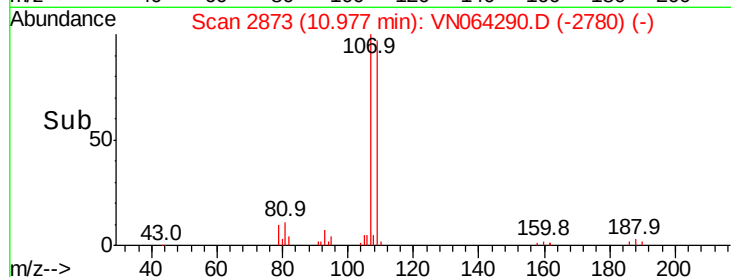
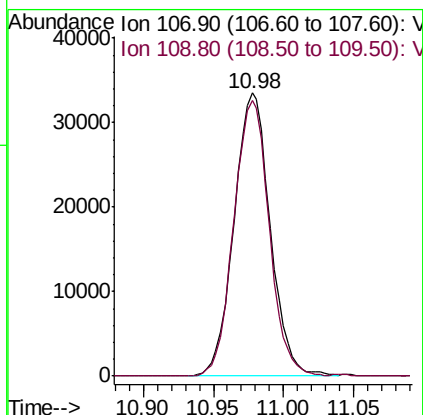
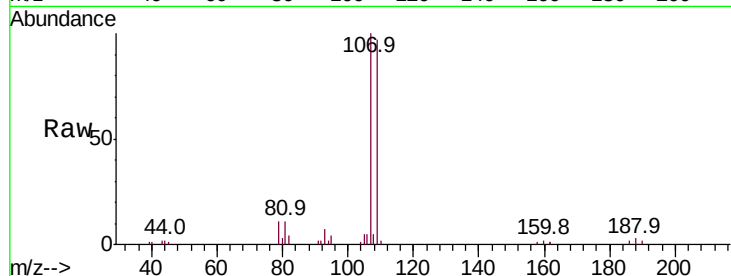
VN1023MBS01

Tot Ion:107 Resp: 60200

Ion Ratio Lower Upper

107 100

109 95.6 76.2 114.4



#62

4-Bromofluorobenzene

Concen: 46.591 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

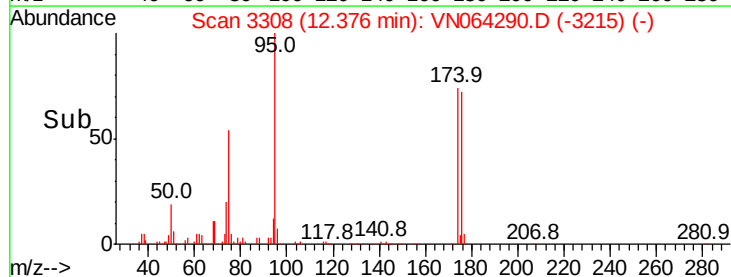
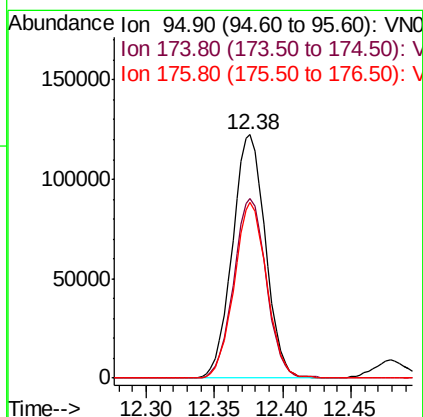
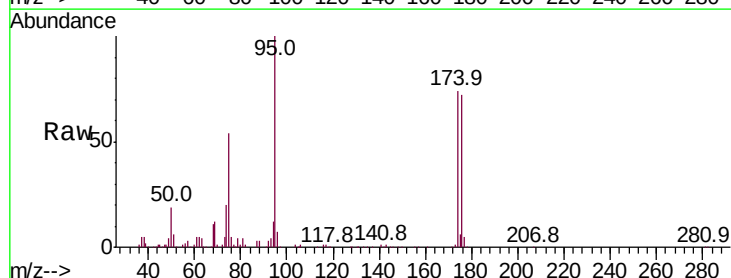
Tgt Ion: 95 Resp: 205920

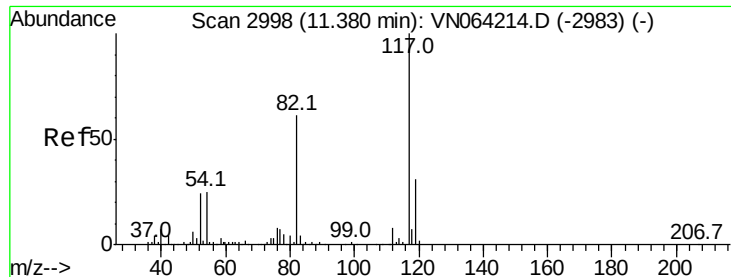
Ion Ratio Lower Upper

95 100

174 73.0 0.0 144.4

176 71.0 0.0 139.2

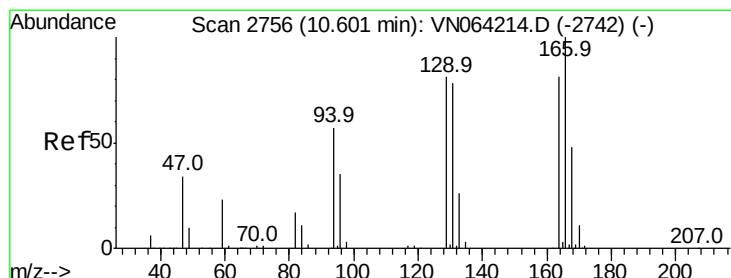
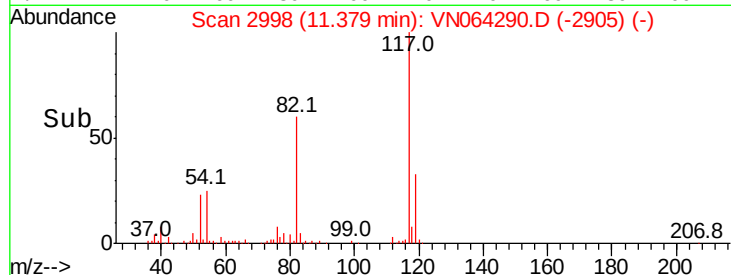
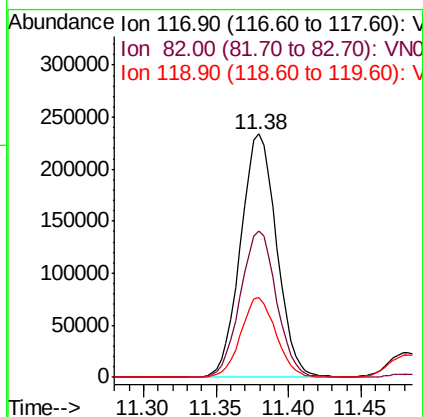
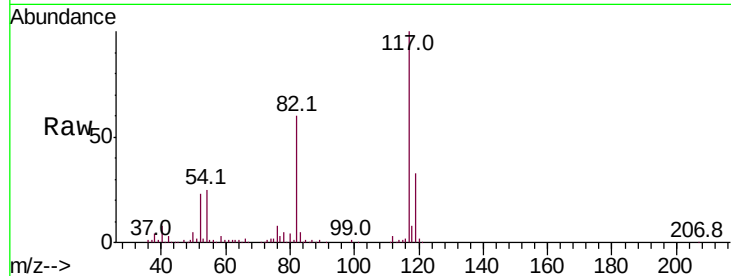




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

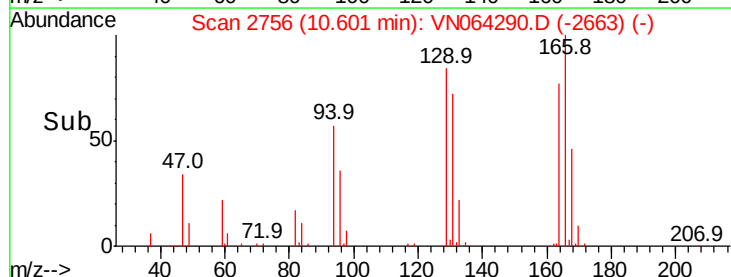
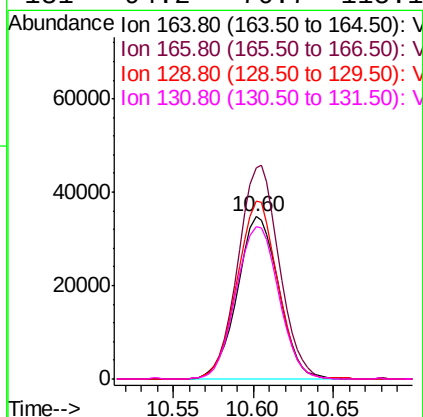
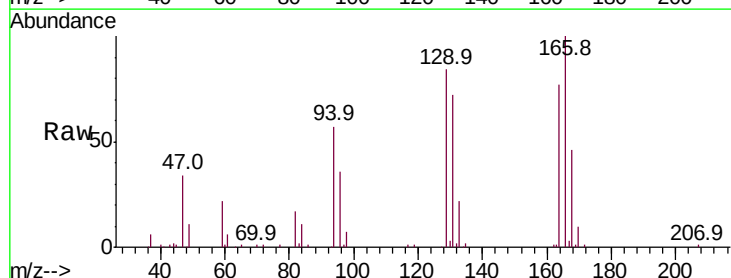
Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

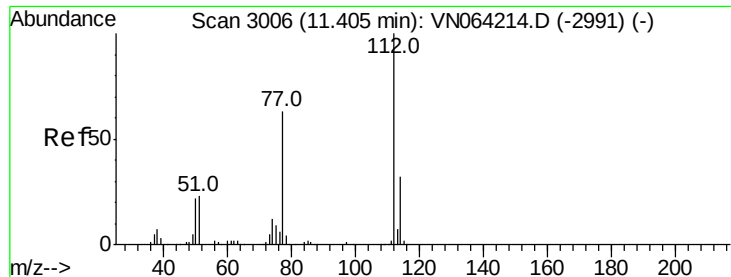
Tot Ion:117 Resp: 404443
Ion Ratio Lower Upper
117 100
82 60.3 48.8 73.2
119 32.7 24.7 37.1



#64
Tetrachloroethene
Concen: 18.915 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion:164 Resp: 61586
Ion Ratio Lower Upper
164 100
166 130.5 98.9 148.3
129 110.0 79.9 119.9
131 94.2 76.7 115.1

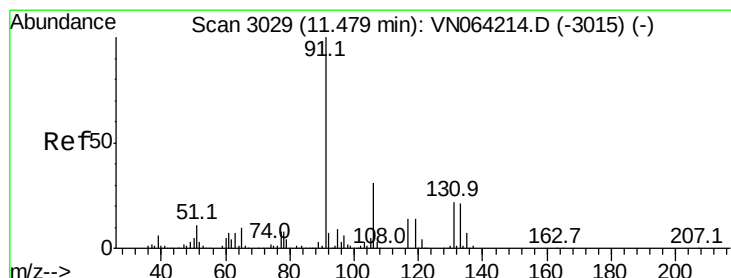
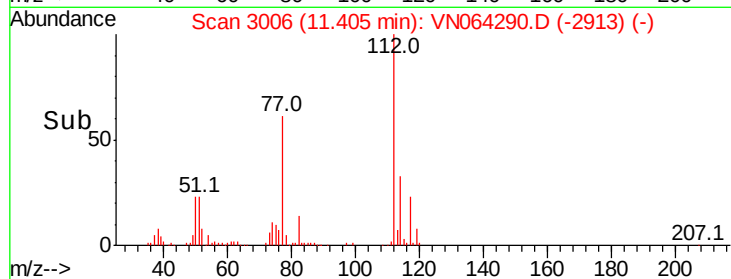
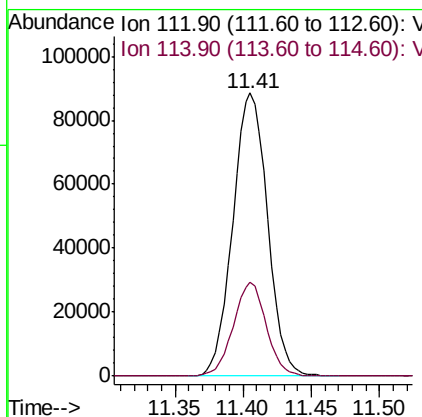
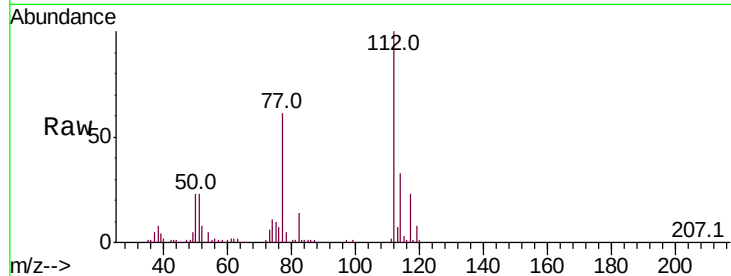




#65
Chlorobenzene
Concen: 18.687 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

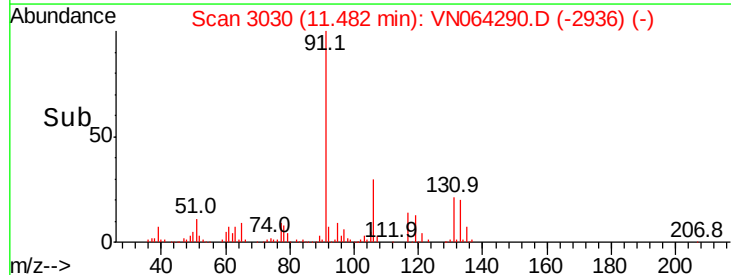
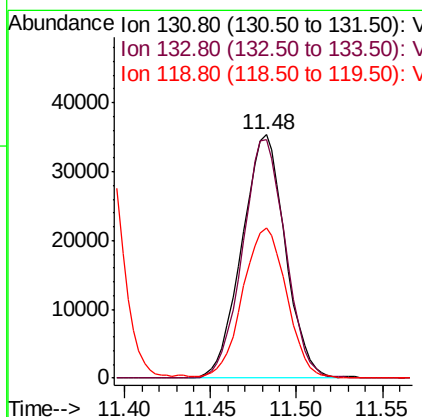
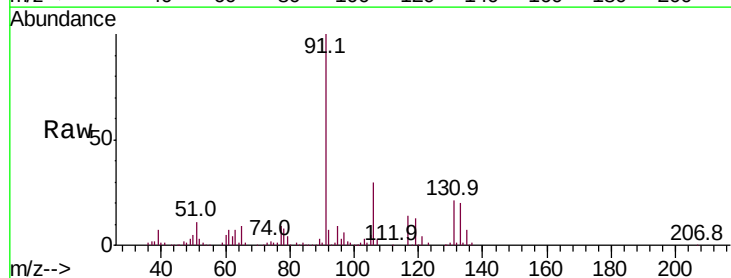
Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

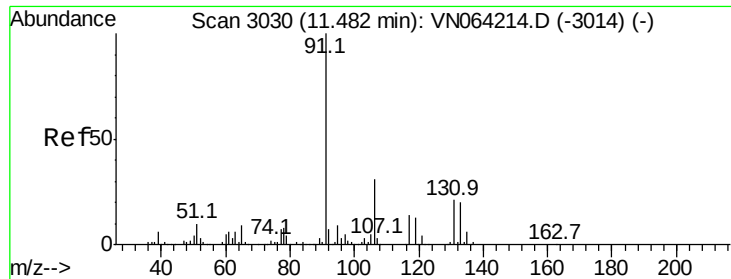
Tot Ion:112 Resp: 156446
Ion Ratio Lower Upper
112 100
114 33.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 18.589 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion:131 Resp: 61771
Ion Ratio Lower Upper
131 100
133 96.9 47.8 143.4
119 62.6 32.2 96.6

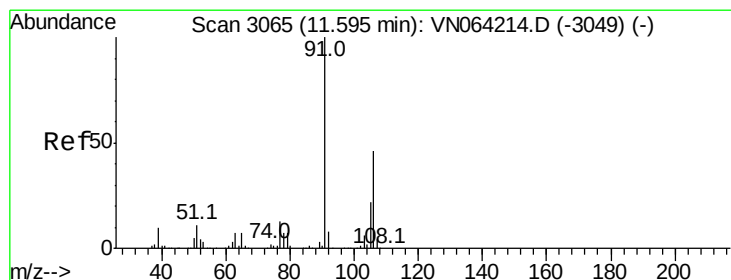
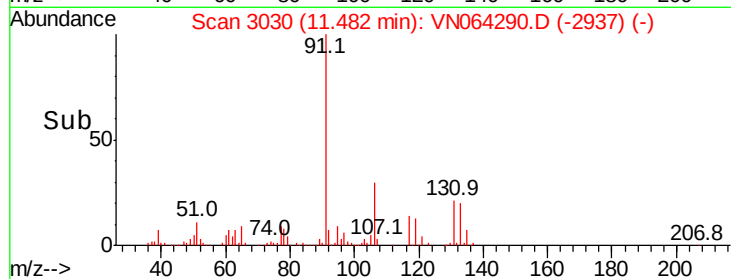
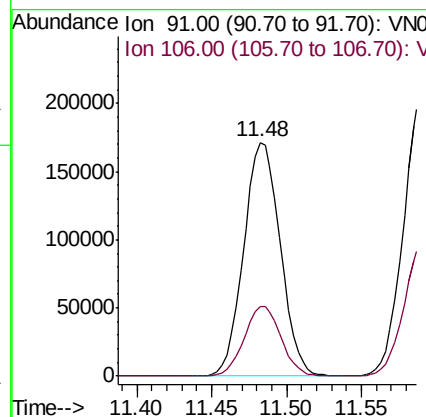
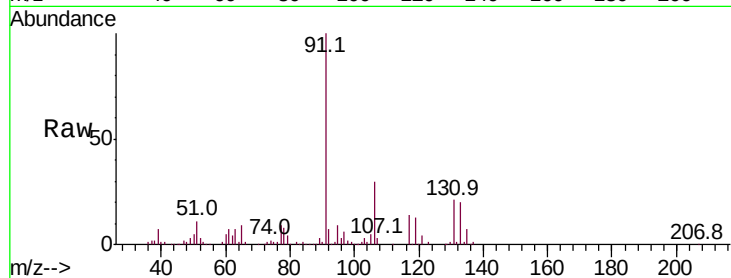




#67
Ethyl Benzene
Concen: 18.955 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

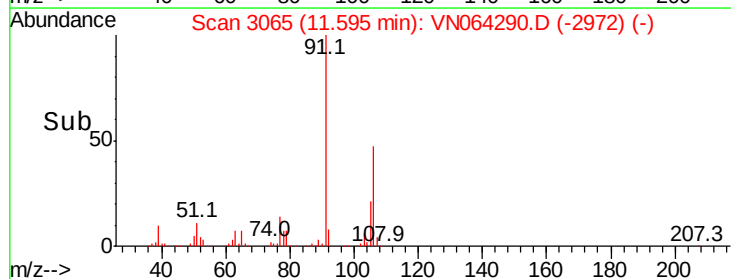
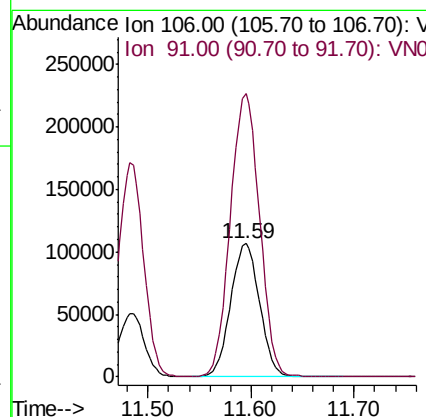
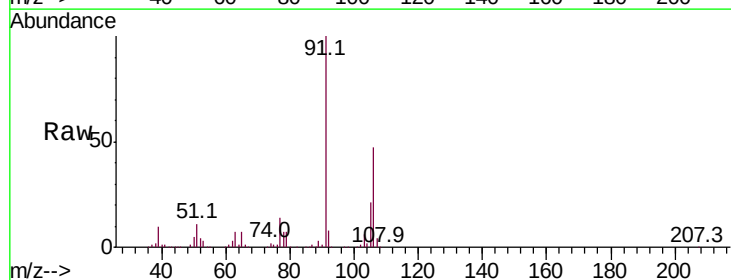
Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

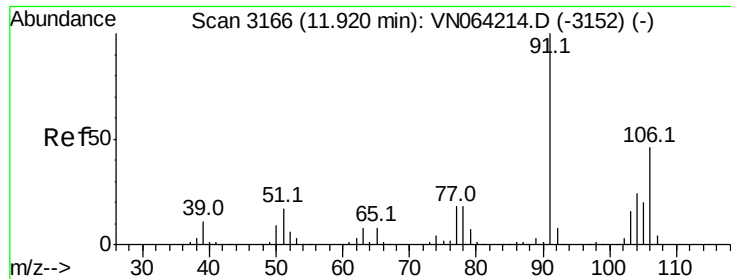
Tot Ion: 91 Resp: 291622
Ion Ratio Lower Upper
91 100
106 29.8 24.8 37.2



#68
m/p-Xylenes
Concen: 36.710 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 106 Resp: 209257
Ion Ratio Lower Upper
106 100
91 214.2 172.2 258.2

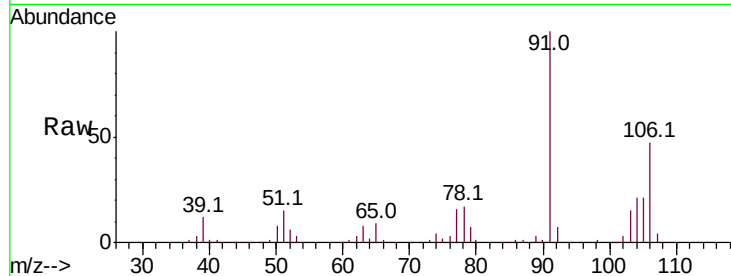




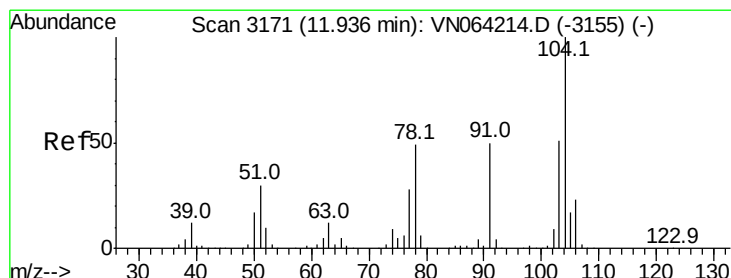
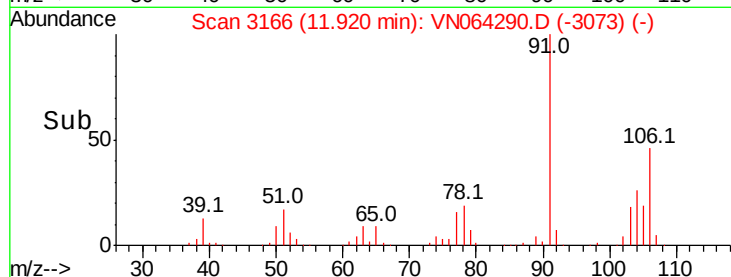
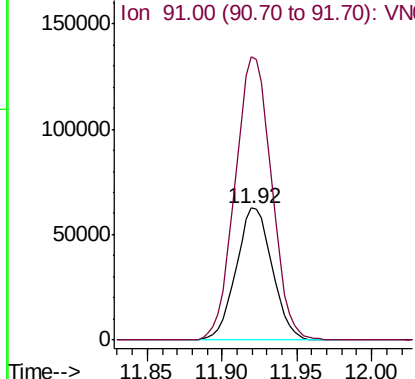
#69
o-Xylene
Concen: 19.124 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Instrument :
MSVOA_N
ClientSampled :
VN1023MBS01

Tot Ion:106 Resp: 105431
Ion Ratio Lower Upper
106 100
91 216.7 109.9 329.6

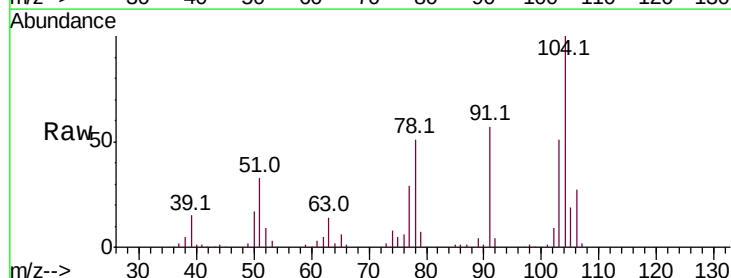


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

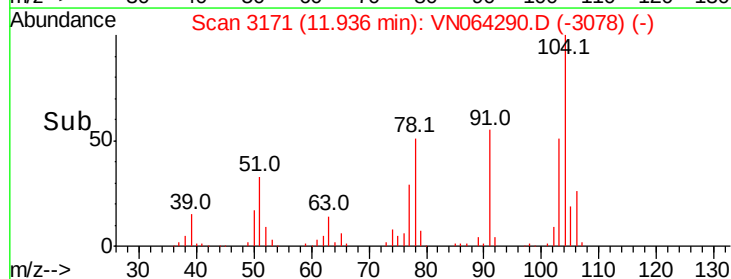
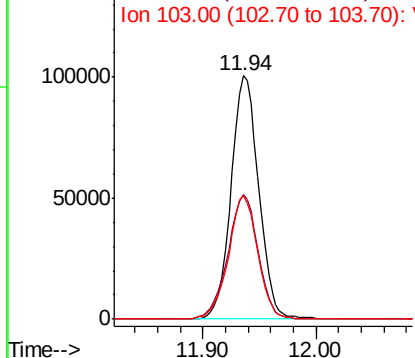


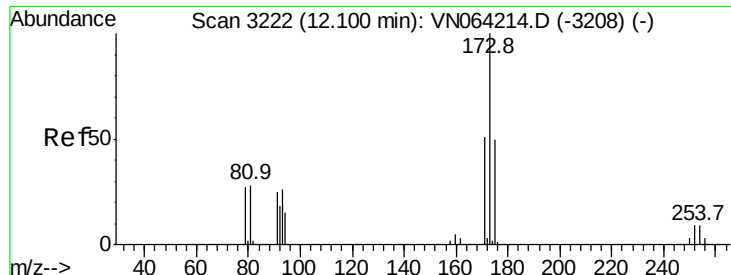
#70
Styrene
Concen: 18.526 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion:104 Resp: 171203
Ion Ratio Lower Upper
104 100
78 55.9 43.8 65.6
103 53.8 43.4 65.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

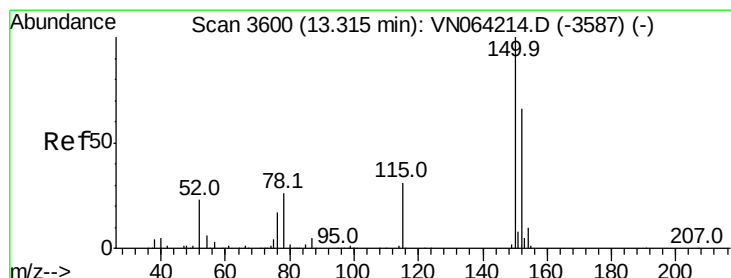
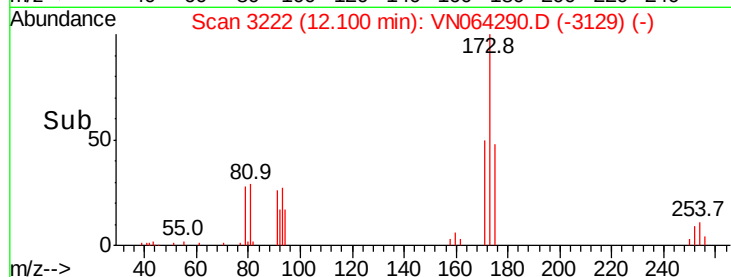
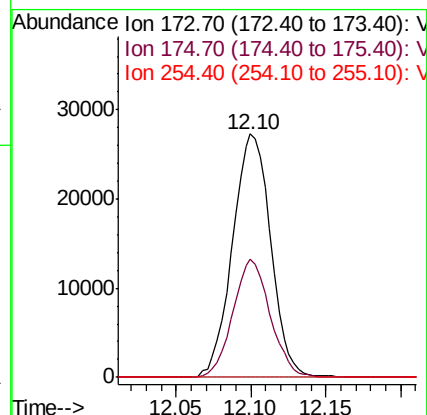
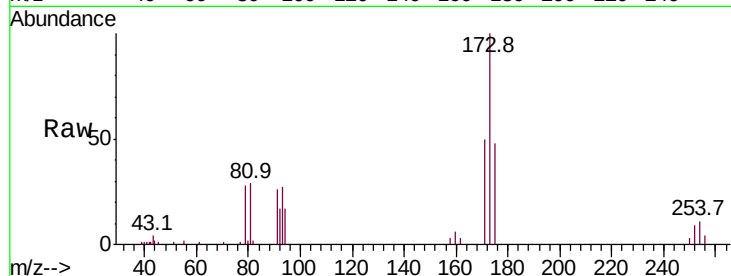




#71
Bromoform
Concen: 18.892 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

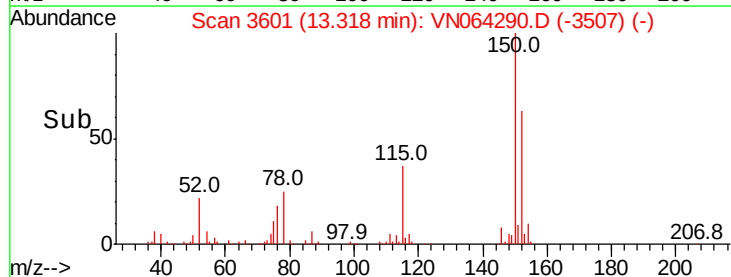
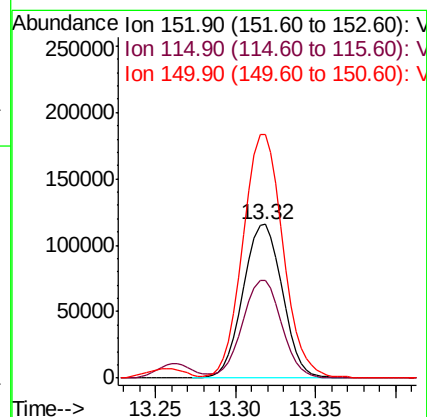
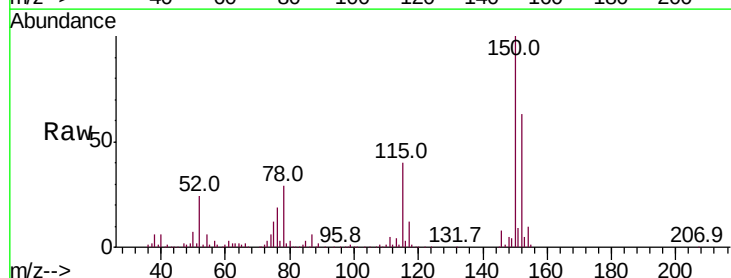
Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

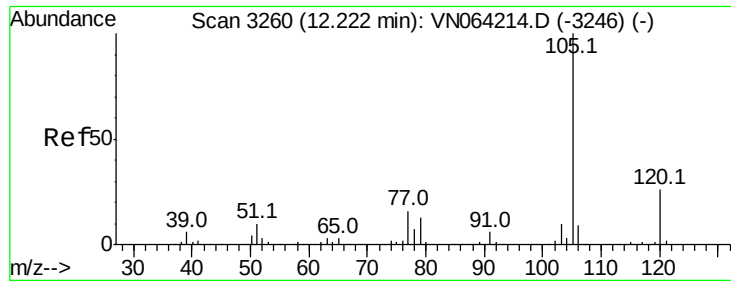
Tot Ion:173 Resp: 48496
Ion Ratio Lower Upper
173 100
175 47.2 25.1 75.3
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion:152 Resp: 193968
Ion Ratio Lower Upper
152 100
115 63.4 32.0 96.2
150 162.0 0.0 356.6

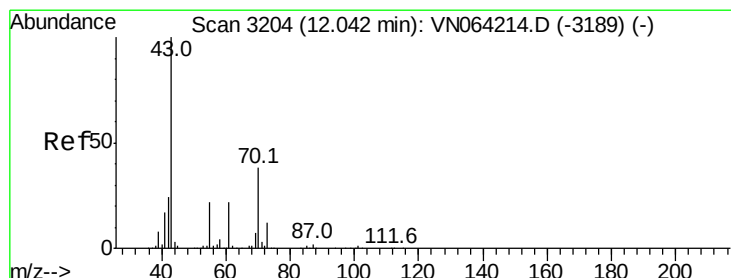
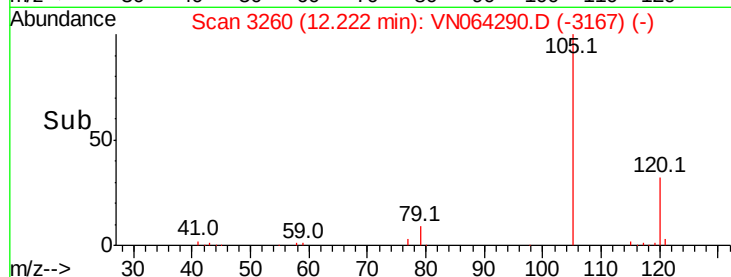
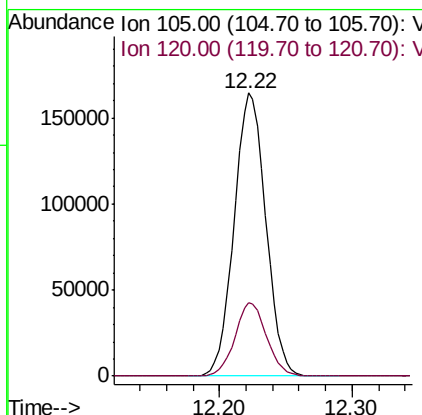
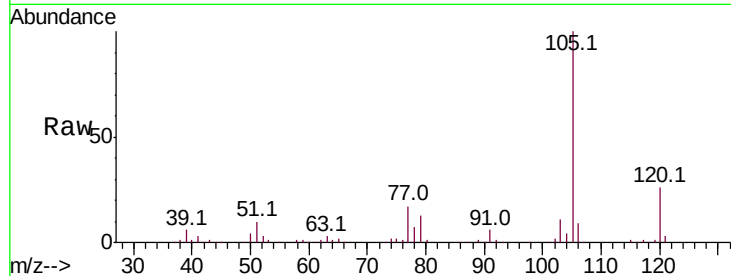




#73
Isopropylbenzene
Concen: 18.410 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

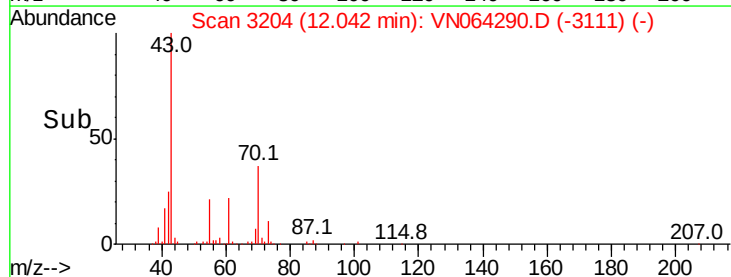
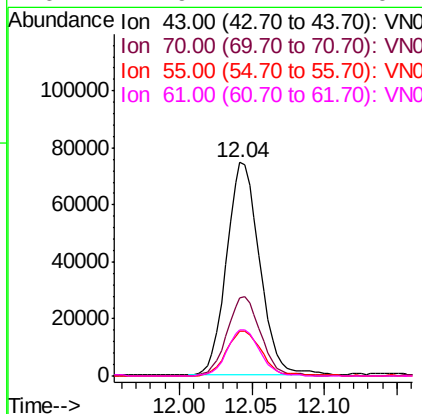
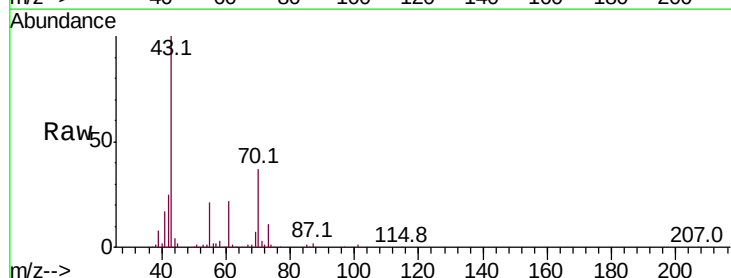
Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

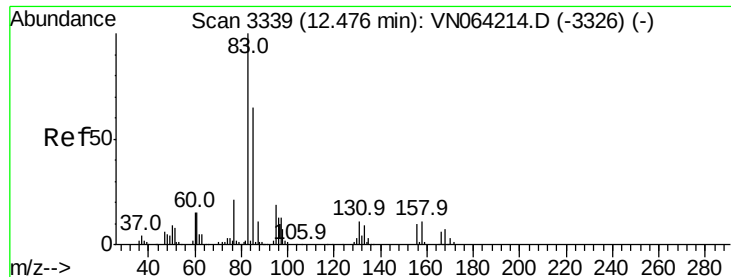
Tot Ion:105 Resp: 272350
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.7



#74
N-ethyl acetate
Concen: 18.318 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 43 Resp: 117099
Ion Ratio Lower Upper
43 100
70 38.3 30.2 45.4
55 22.5 18.0 27.0
61 21.9 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 18.946 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

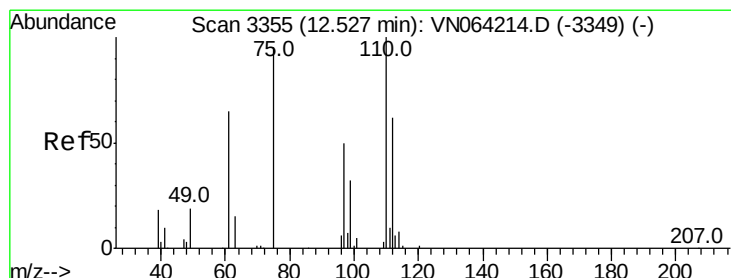
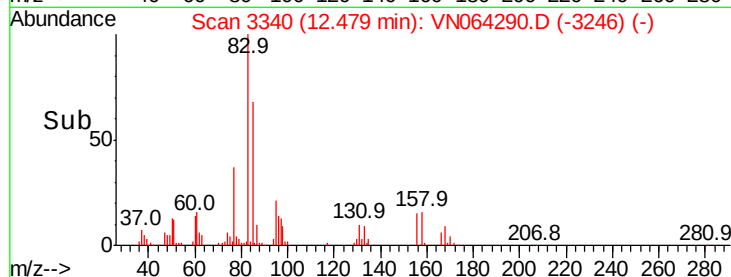
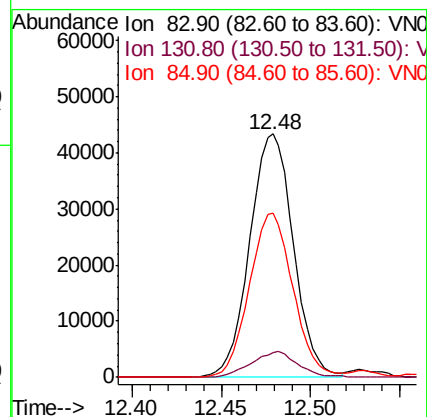
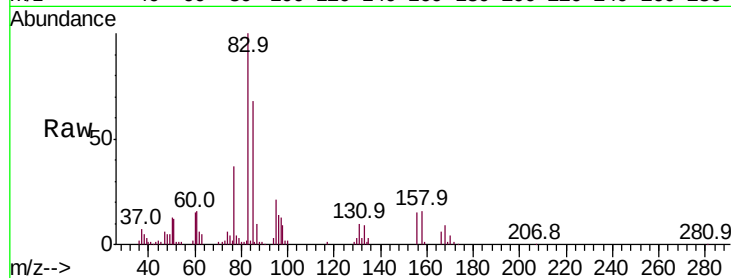
Tot Ion: 83 Resp: 74379

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.7

85 67.4 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 27.988 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064290.D

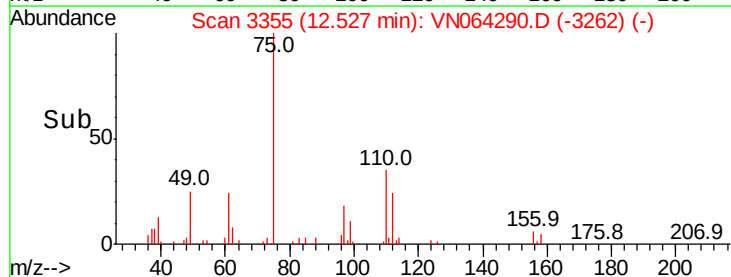
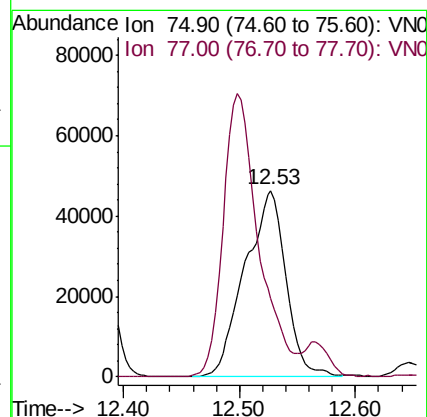
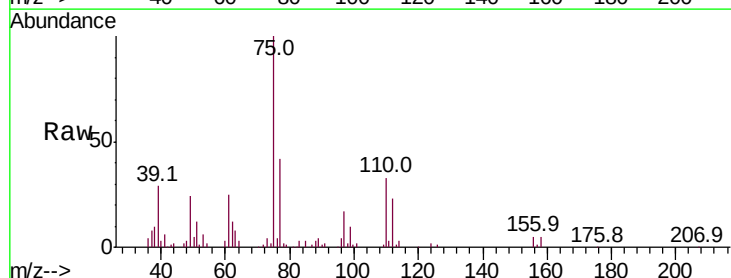
Acq: 23 Oct 2020 16:55

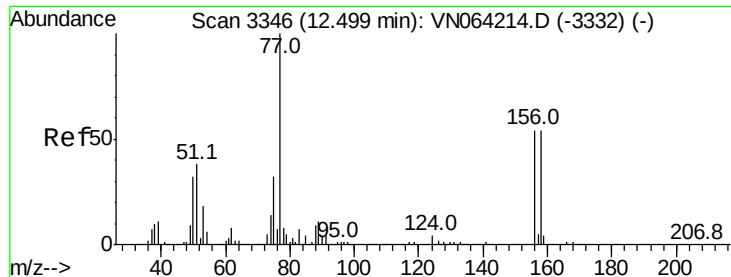
Tgt Ion: 75 Resp: 114446

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.272 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

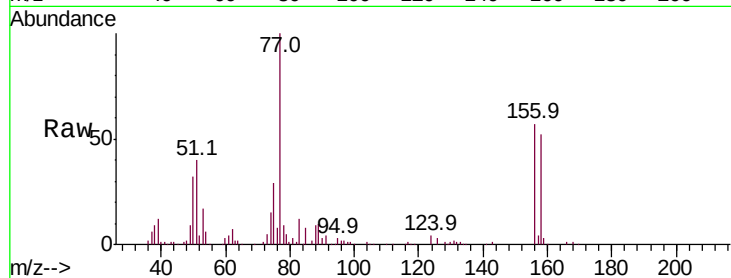
Tot Ion:156 Resp: 67308

Ion Ratio Lower Upper

156 100

77 222.9 111.1 333.4

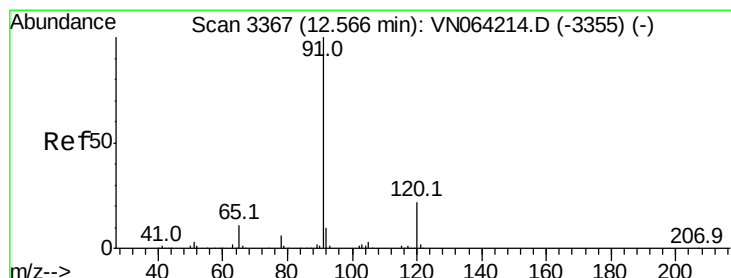
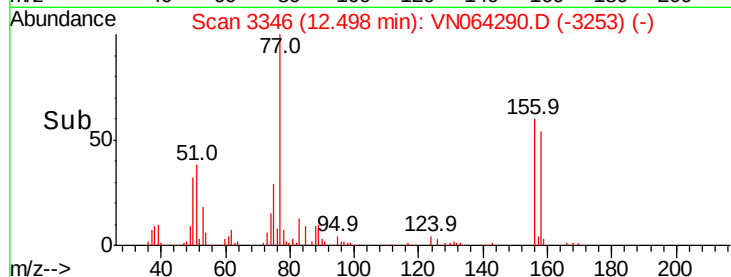
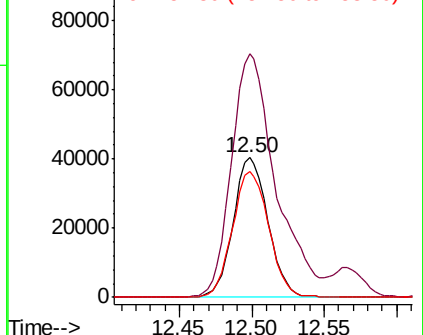
158 94.0 50.0 150.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.454 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064290.D

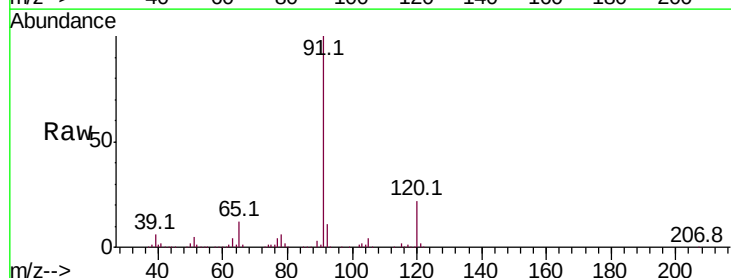
Acq: 23 Oct 2020 16:55

Tgt Ion: 91 Resp: 307809

Ion Ratio Lower Upper

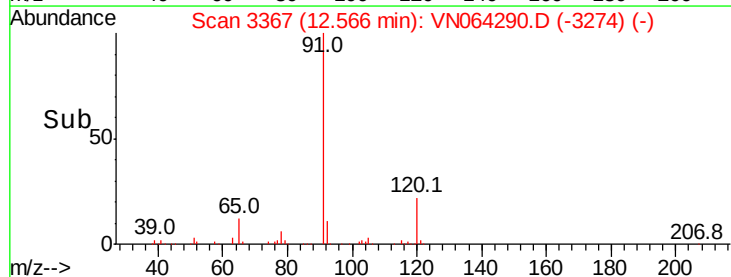
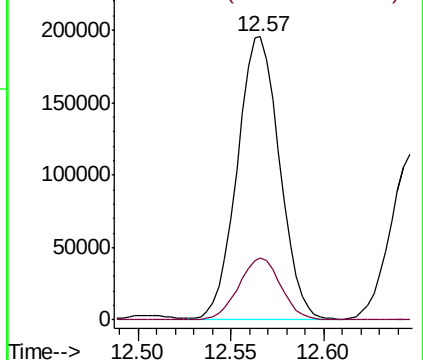
91 100

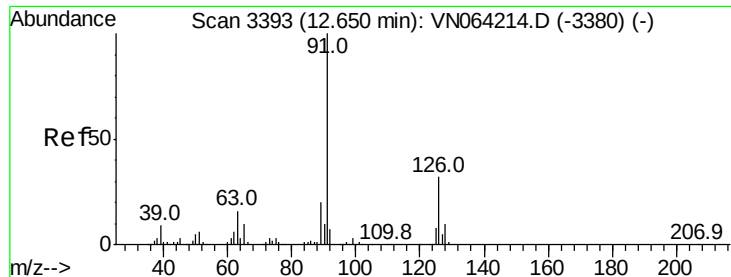
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.542 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

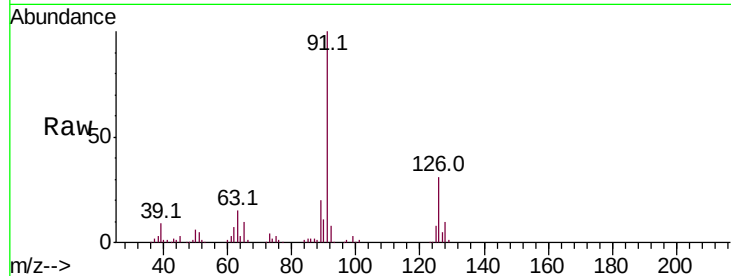
VN1023MBS01

Tot Ion: 91 Resp: 189972

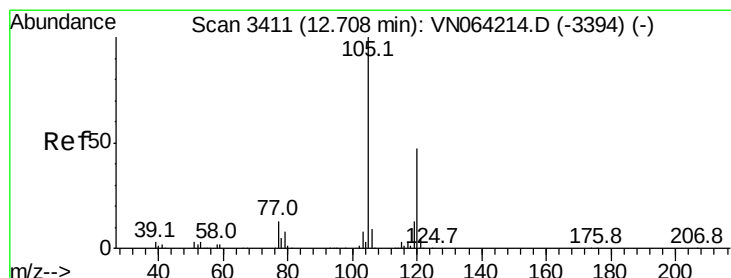
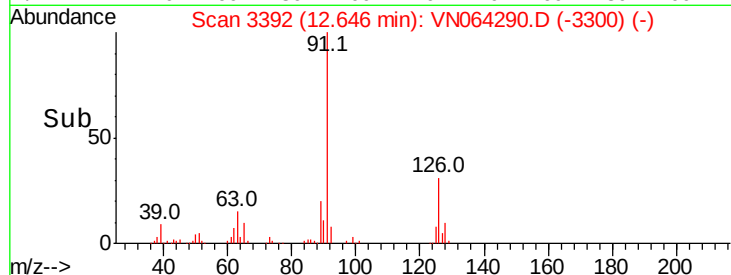
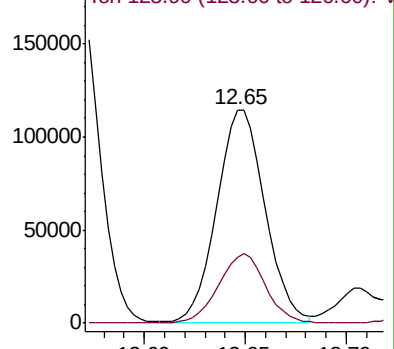
Ion Ratio Lower Upper

91 100

126 31.8 16.0 48.0



Abundance Ion 91.00 (90.70 to 91.70): VN064214.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.695 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064290.D

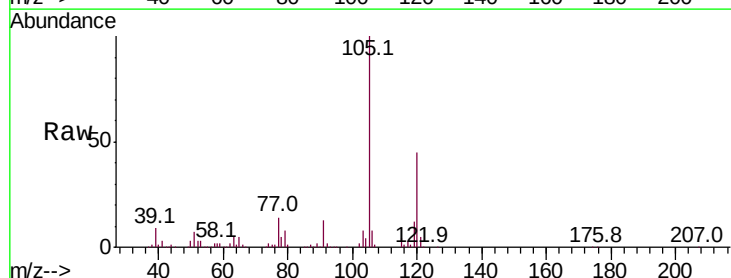
Acq: 23 Oct 2020 16:55

Tgt Ion: 105 Resp: 233811

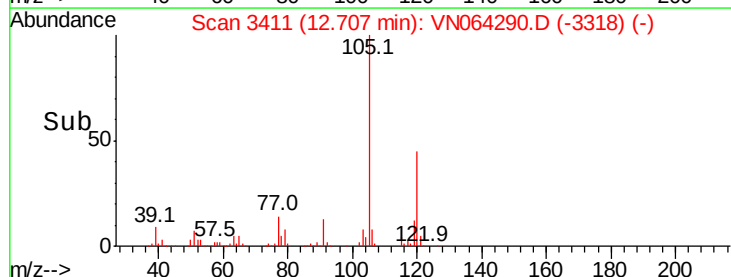
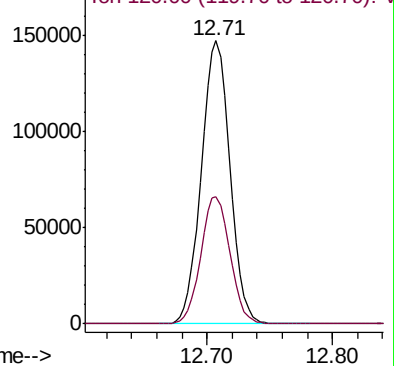
Ion Ratio Lower Upper

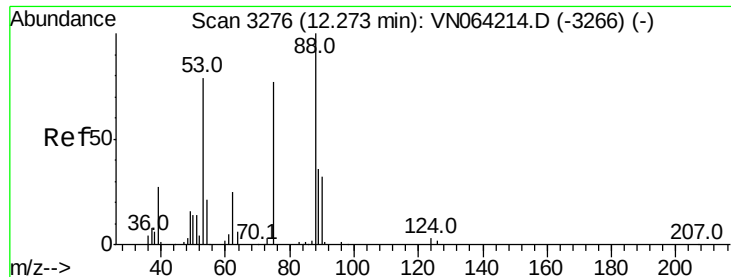
105 100

120 45.7 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064214.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.546 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

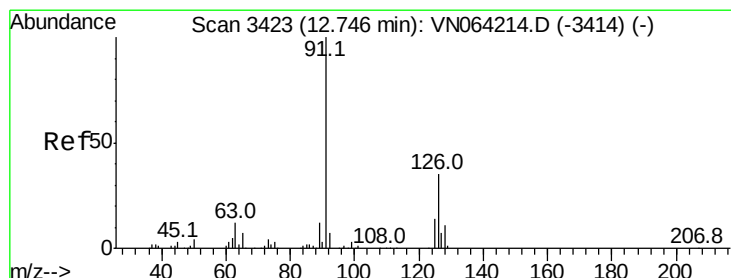
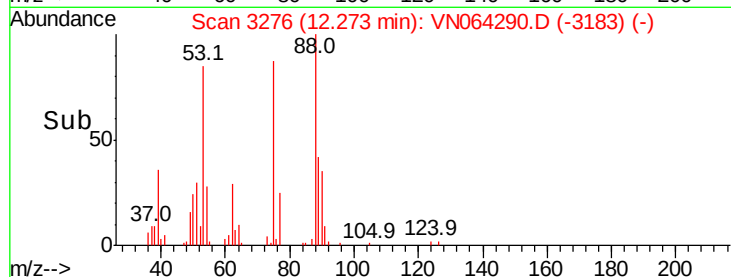
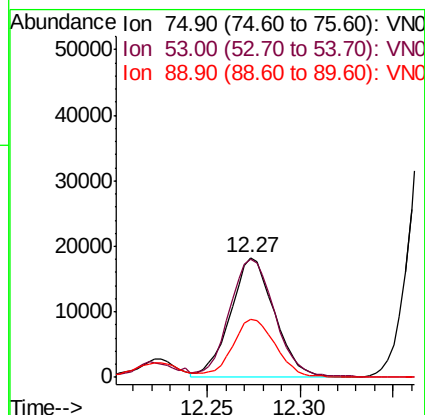
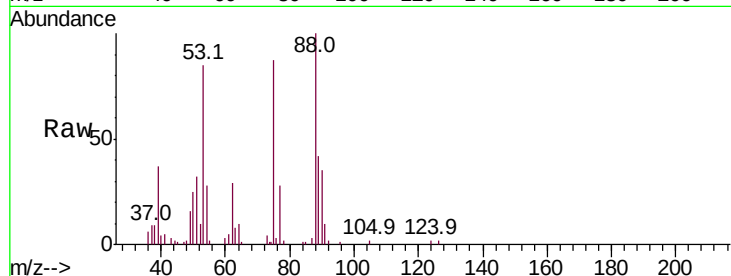
Tot Ion: 75 Resp: 30038

Ion Ratio Lower Upper

75 100

53 102.2 81.0 121.4

89 47.6 38.7 58.1



#82

4-Chlorotoluene

Concen: 18.935 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064290.D

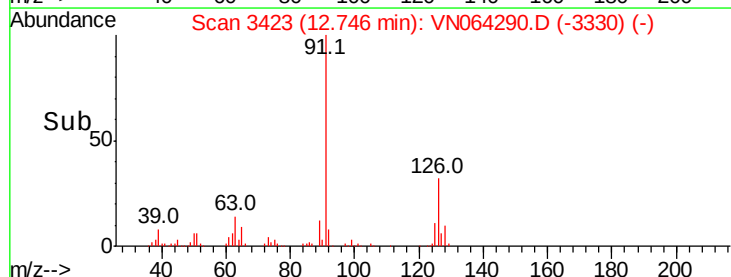
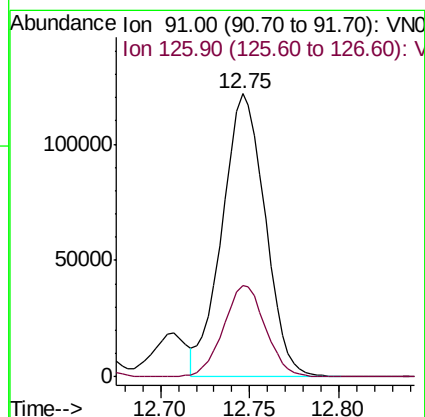
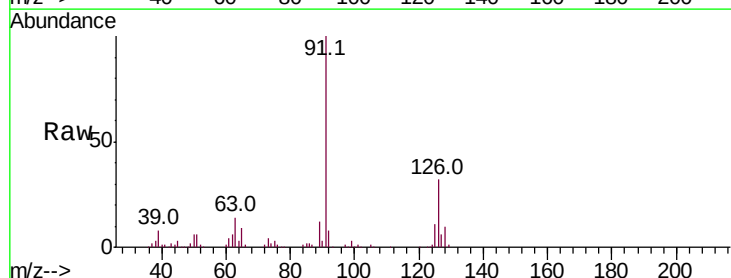
Acq: 23 Oct 2020 16:55

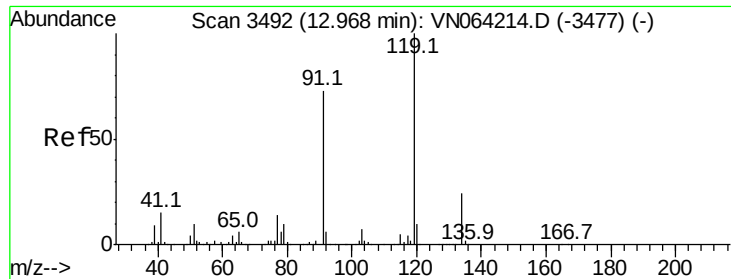
Tgt Ion: 91 Resp: 202360

Ion Ratio Lower Upper

91 100

126 31.7 15.8 47.3

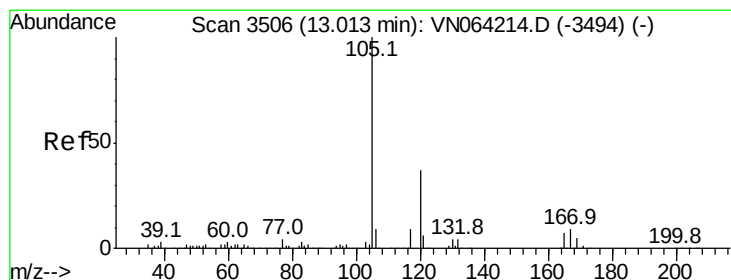
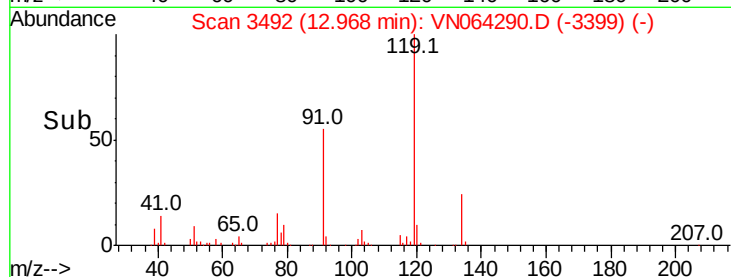
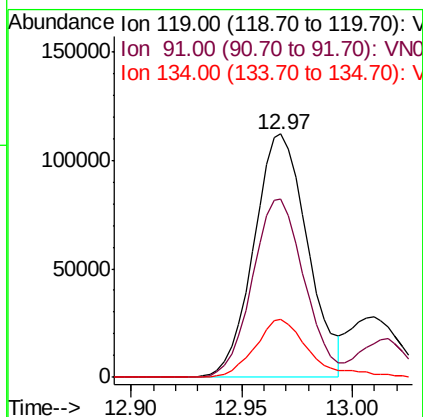
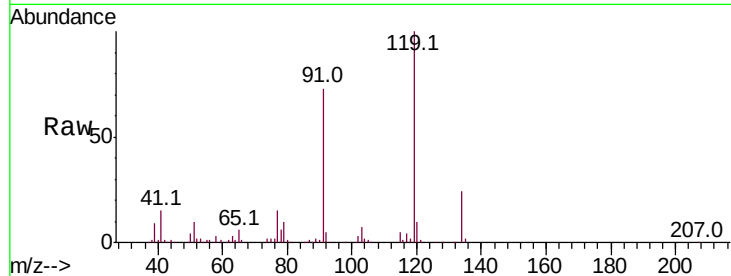




#83
 tert-Butylbenzene
 Concen: 18.453 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

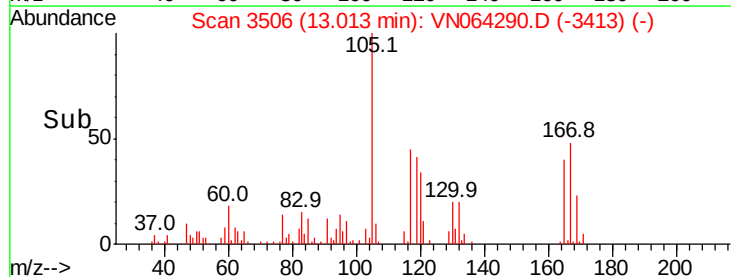
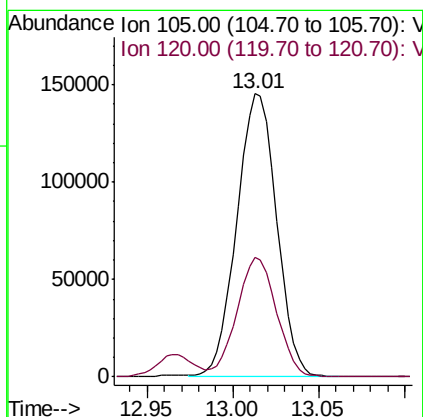
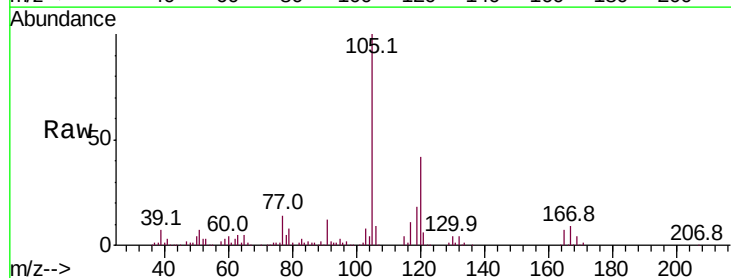
Instrument :
 MSVOA_N
 ClientSampled :
 VN1023MBS01

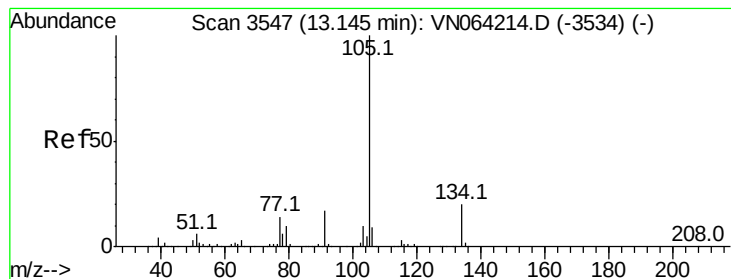
Tot Ion:119 Resp: 189223
 Ion Ratio Lower Upper
 119 100
 91 71.4 35.1 105.3
 134 24.1 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 18.665 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion:105 Resp: 232346
 Ion Ratio Lower Upper
 105 100
 120 42.2 21.5 64.5





#85

sec-Butylbenzene

Concen: 18.507 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

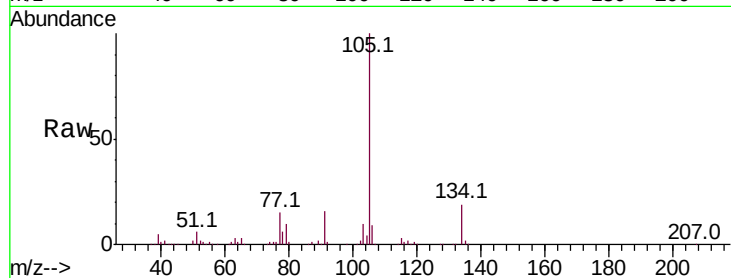
VN1023MBS01

Tot Ion:105 Resp: 239242

Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

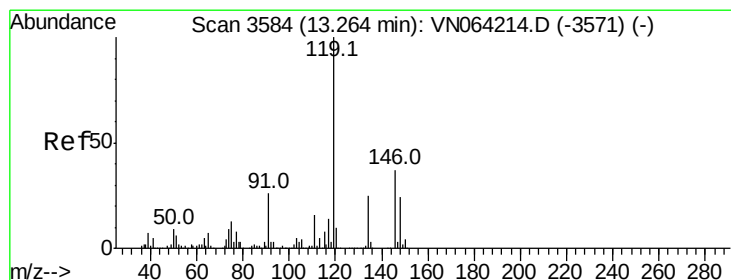
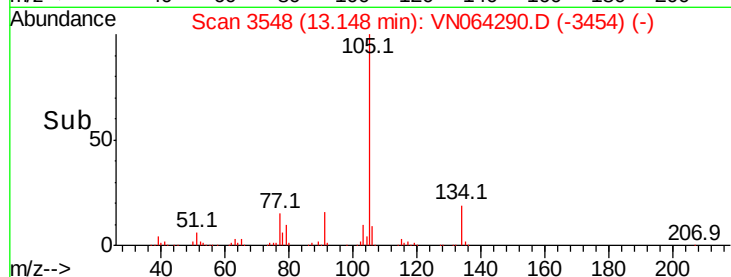
150000 13.15

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 18.834 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

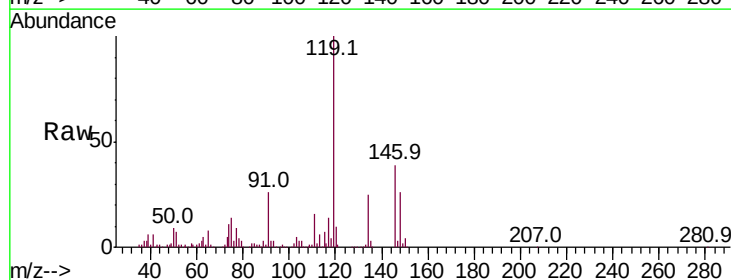
Tgt Ion:119 Resp: 221708

Ion Ratio Lower Upper

119 100

134 25.3 13.1 39.3

91 27.5 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000 13.26

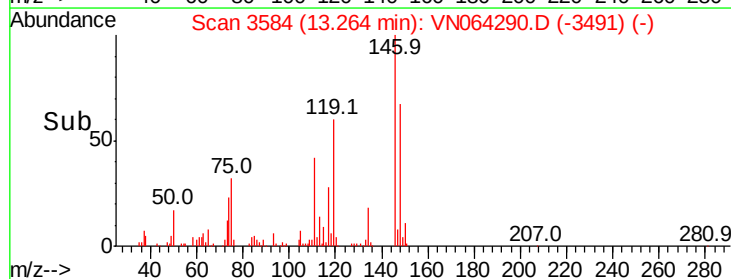
150000

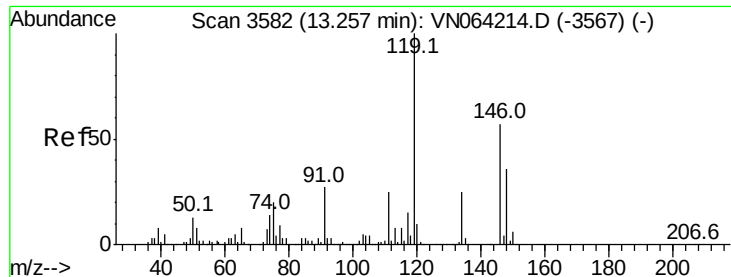
100000

50000

0

Time-->

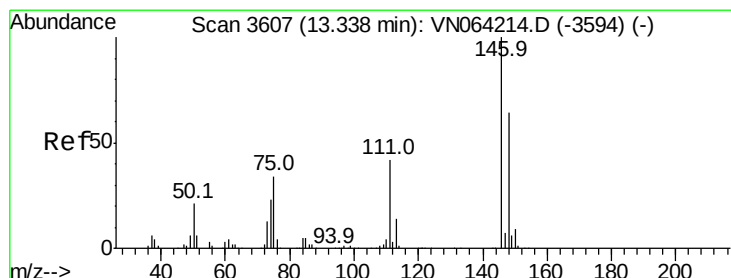
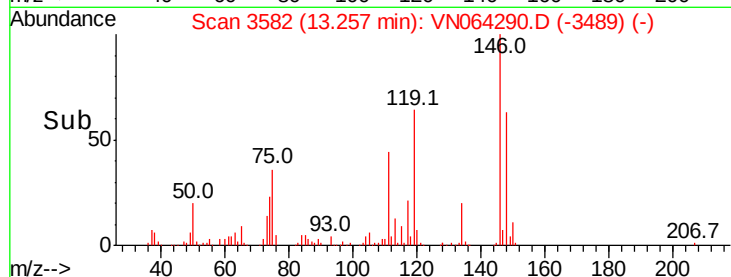
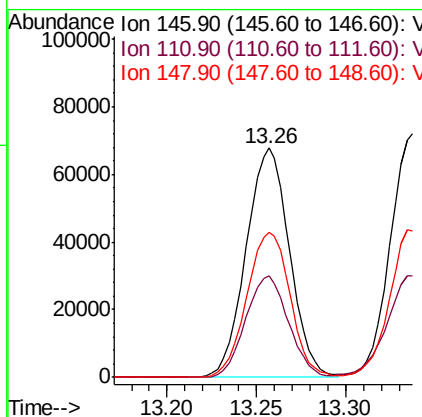
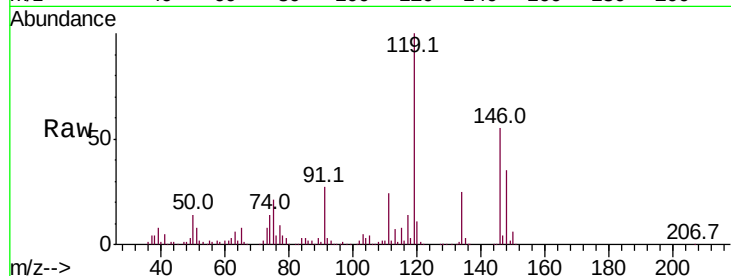




#87
 1,3-Dichlorobenzene
 Concen: 18.532 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

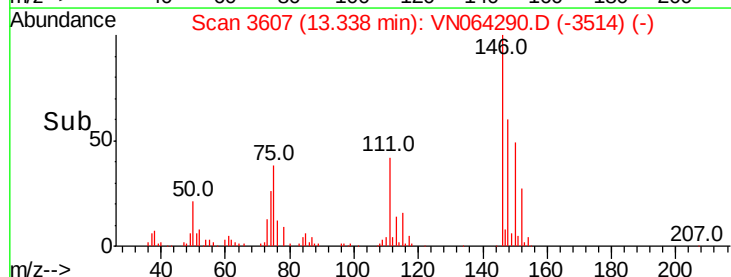
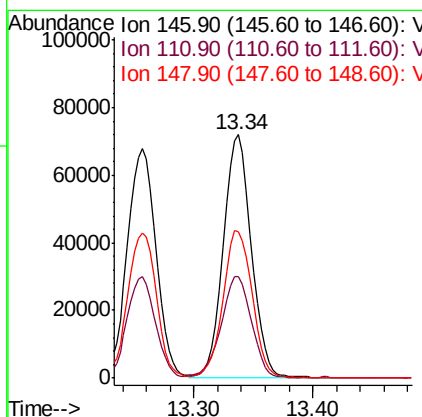
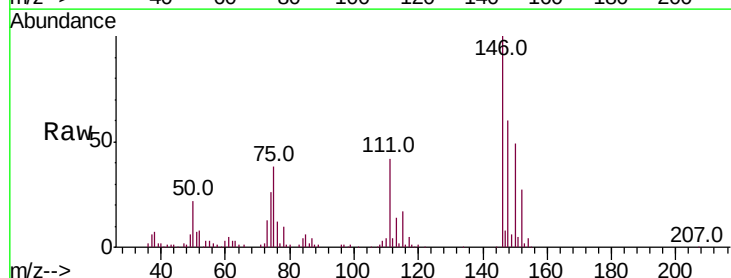
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

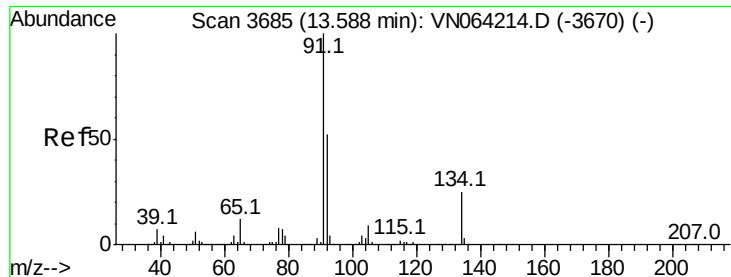
Tot Ion:146 Resp: 115166
 Ion Ratio Lower Upper
 146 100
 111 43.7 21.6 65.0
 148 63.3 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 18.527 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion:146 Resp: 117847
 Ion Ratio Lower Upper
 146 100
 111 44.7 21.5 64.5
 148 62.4 32.0 96.0

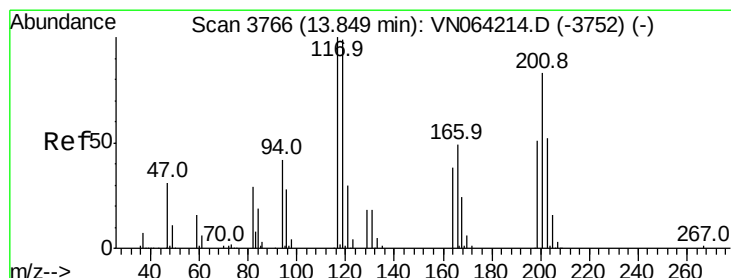
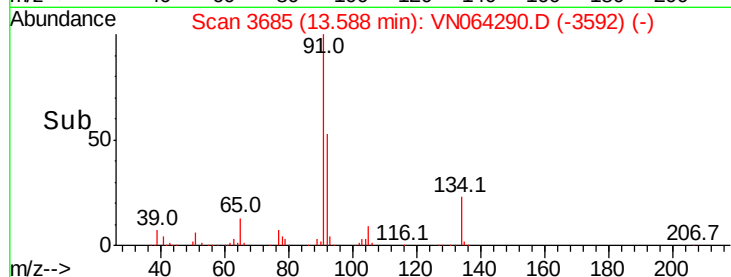
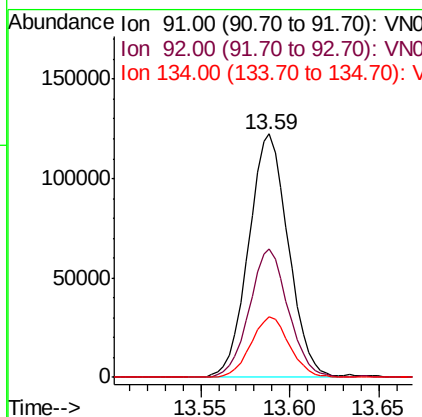
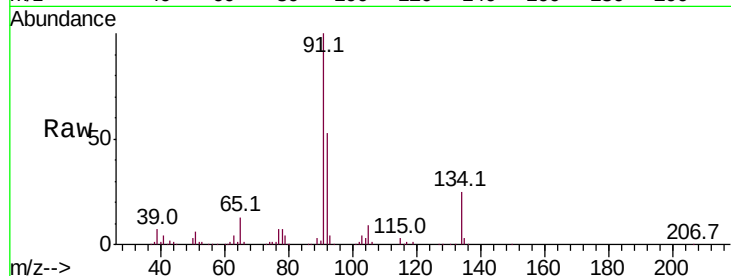




#89
n-Butylbenzene
Concen: 18.047 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

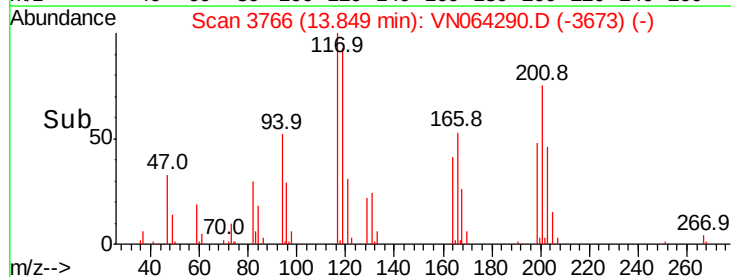
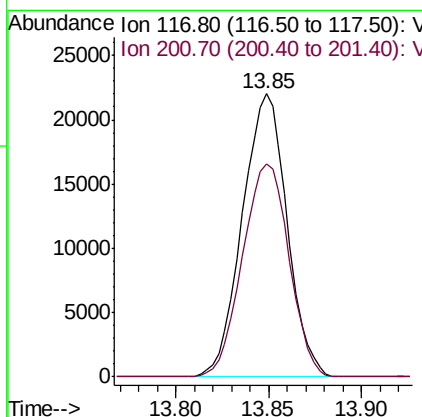
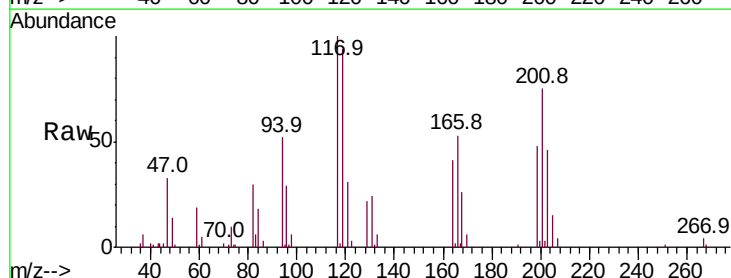
Instrument :
MSVOA_N
ClientSampleId :
VN1023MBS01

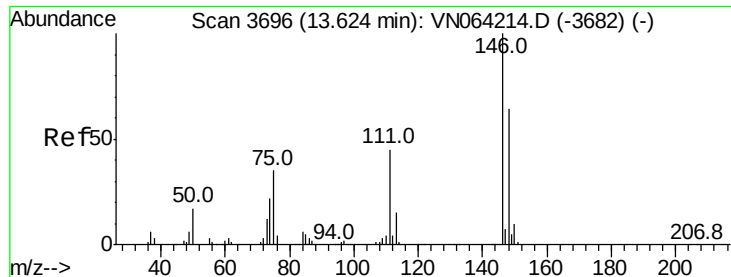
Tot Ion: 91 Resp: 190438
Ion Ratio Lower Upper
91 100
92 51.7 25.7 77.0
134 24.4 12.3 36.8



#90
Hexachloroethane
Concen: 17.332 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN064290.D
Acq: 23 Oct 2020 16:55

Tgt Ion: 117 Resp: 36951
Ion Ratio Lower Upper
117 100
201 78.5 40.1 120.3

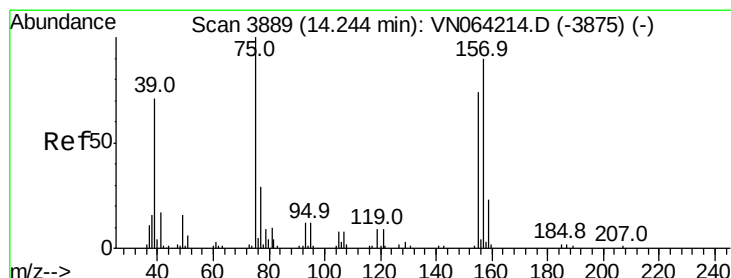
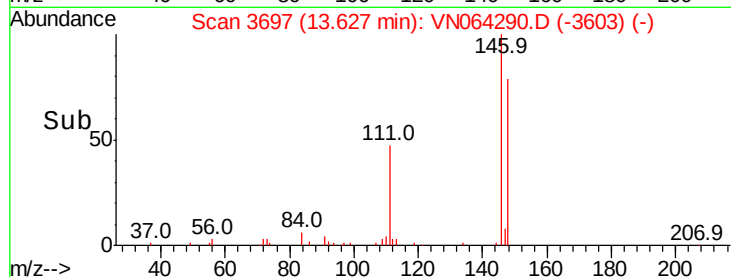
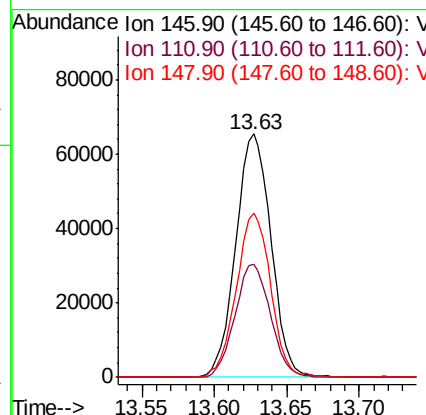
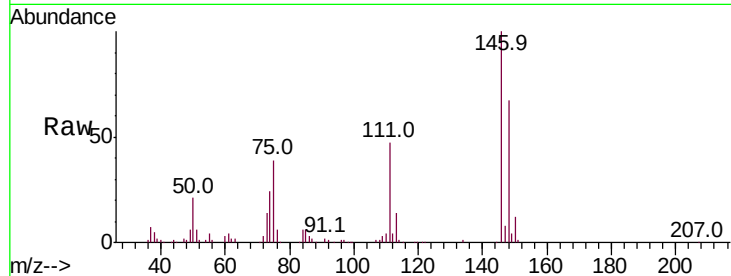




#91
 1,2-Dichlorobenzene
 Concen: 18.165 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

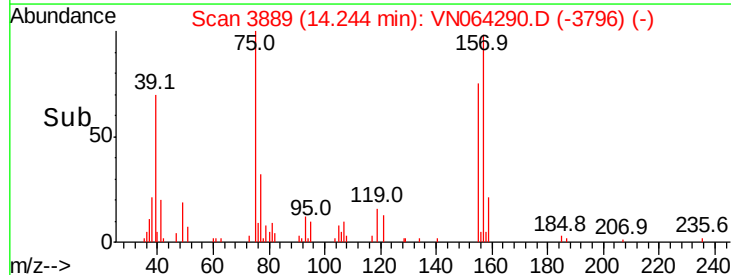
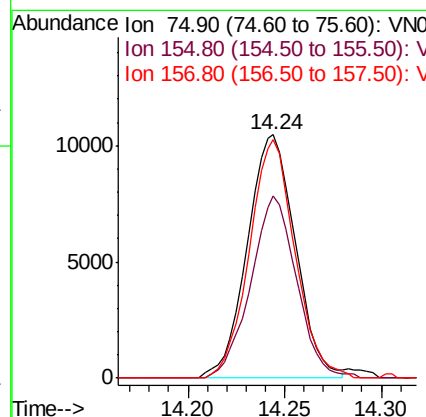
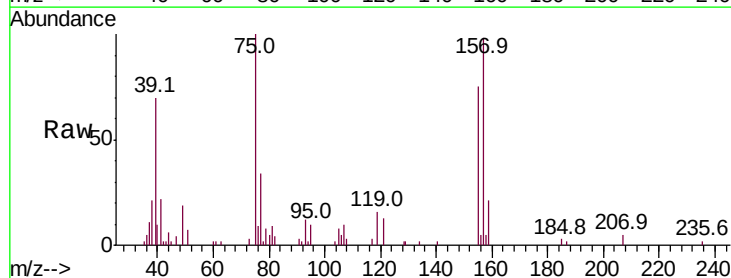
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

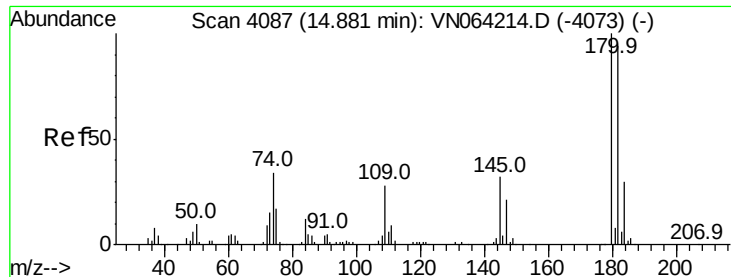
Tot Ion:146 Resp: 110741
 Ion Ratio Lower Upper
 146 100
 111 46.5 22.9 68.7
 148 65.9 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.489 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion: 75 Resp: 18108
 Ion Ratio Lower Upper
 75 100
 155 71.5 36.9 110.7
 157 92.9 44.6 133.8

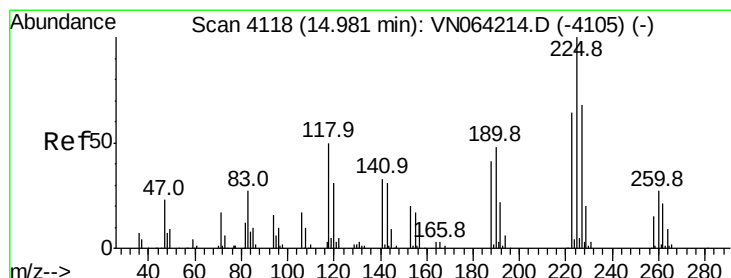
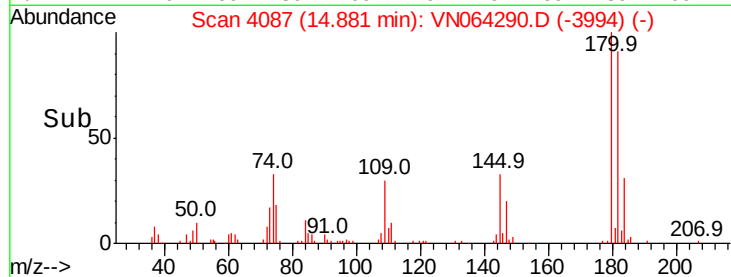
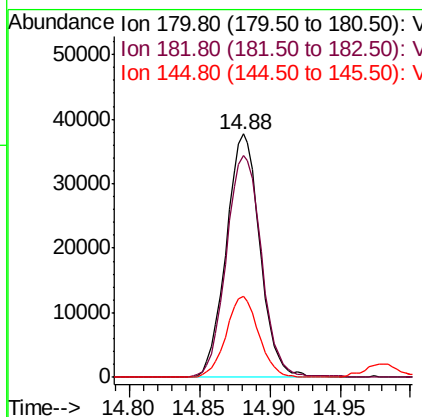
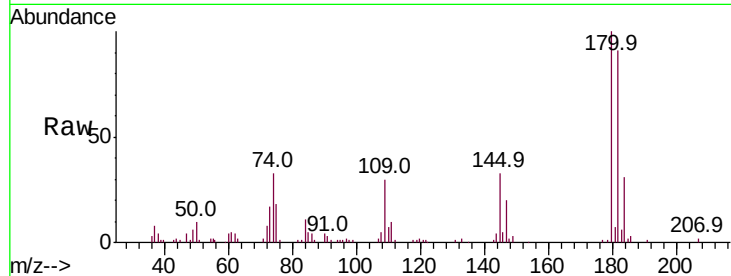




#93
 1,2,4-Trichlorobenzene
 Concen: 18.453 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

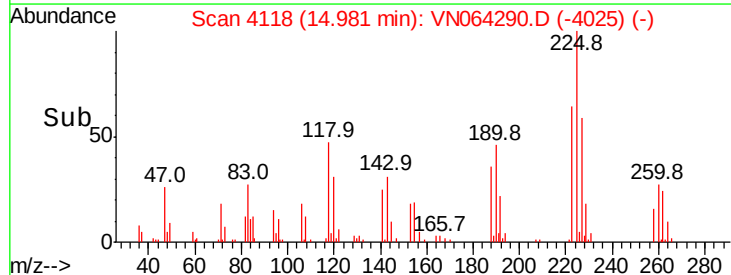
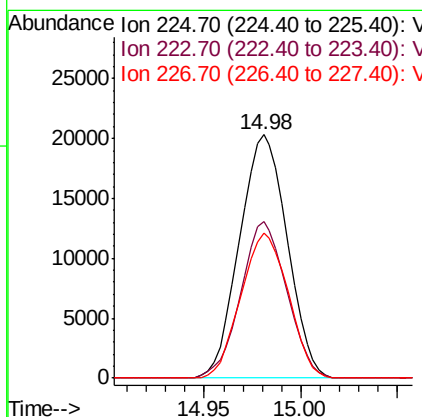
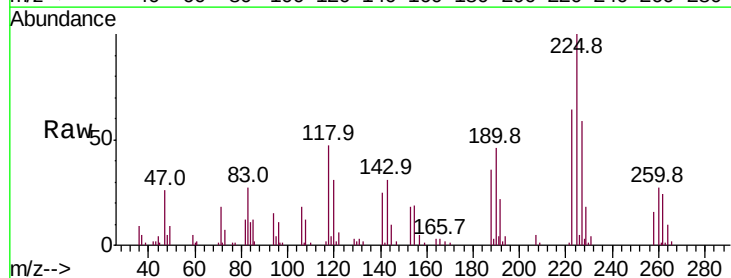
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1023MBS01

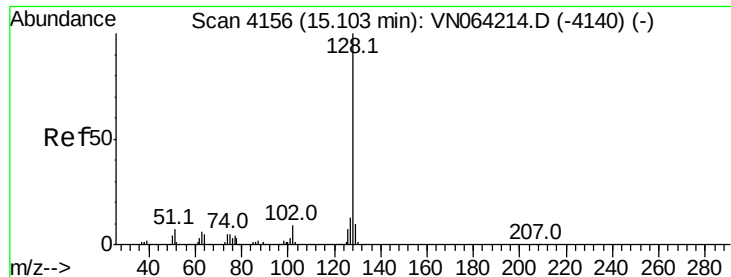
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.9	140.7
145	32.0	16.1	48.3



#94
 Hexachlorobutadiene
 Concen: 18.865 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064290.D
 Acq: 23 Oct 2020 16:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.5	94.5
227	59.1	32.1	96.5





#95

Naphthalene

Concen: 18.120 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

Instrument :

MSVOA_N

ClientSampleId :

VN1023MBS01

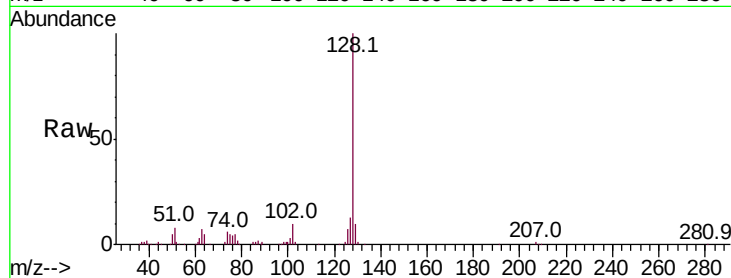
Tot Ion:128 Resp: 185545

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

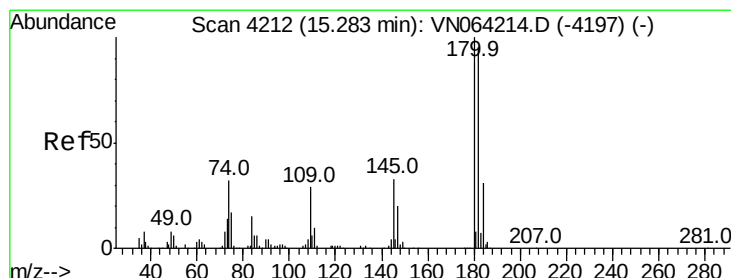
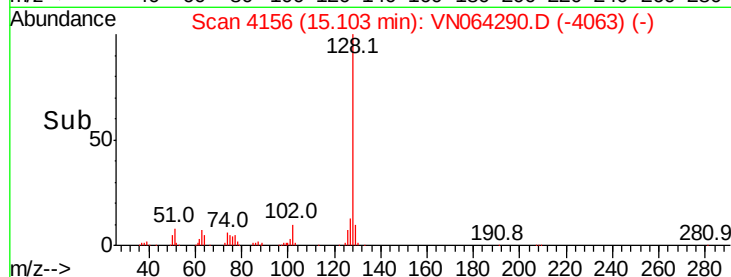
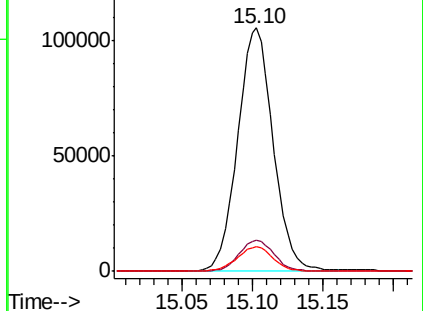
129 10.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.527 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064290.D

Acq: 23 Oct 2020 16:55

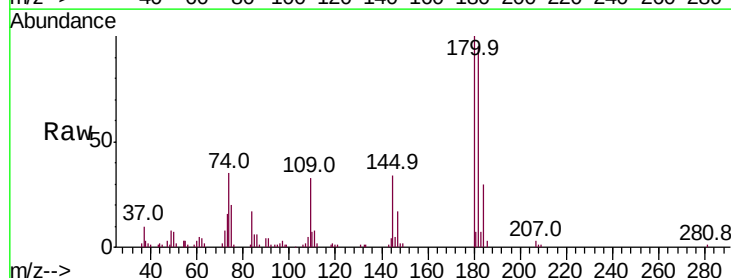
Tgt Ion:180 Resp: 59358

Ion Ratio Lower Upper

180 100

182 98.7 48.0 144.2

145 35.5 17.1 51.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

