

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082420\
 Data File : VN063091.D
 Acq On : 24 Aug 2020 13:27
 Operator : JC/MD
 Sample : VN0824MBS01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

Quant Time: Aug 25 00:52:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	177568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	272461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	259361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	121424	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	111772	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
35) Dibromofluoromethane	7.55	113	90747	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
50) Toluene-d8	10.06	98	357084	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.38	95	122890	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	46761	20.321	ug/l	99
3) Chloromethane	2.04	50	51653	21.215	ug/l	100
4) Vinyl Chloride	2.16	62	50631	21.503	ug/l	98
5) Bromomethane	2.48	94	19531	13.975	ug/l	100
6) Chloroethane	2.59	64	21270	15.300	ug/l	98
7) Trichlorofluoromethane	2.92	101	61819	21.053	ug/l	99
8) Diethyl Ether	3.36	74	21044	20.259	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.68	101	31368	19.825	ug/l	99
10) Methyl Iodide	3.89	142	33915	16.911	ug/l	99
11) Tert butyl alcohol	4.79	59	16607	55.710	ug/l #	74
12) 1,1-Dichloroethene	3.67	96	27578	18.297	ug/l	96
13) Acrolein	3.56	56	2144	22.959	ug/l #	58
14) Allyl chloride	4.26	41	50621	19.048	ug/l	98
15) Acrylonitrile	4.93	53	90522	103.317	ug/l	99
16) Acetone	3.79	43	64964	96.583	ug/l	96
17) Carbon Disulfide	3.98	76	70992	17.985	ug/l	99
18) Methyl Acetate	4.28	43	43572	20.834	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	110610	21.043	ug/l	98
20) Methylene Chloride	4.49	84	39389	20.439	ug/l	95
21) trans-1,2-Dichloroethene	4.97	96	30545	19.365	ug/l	96
22) Diisopropyl ether	5.90	45	132280	21.934	ug/l	99
23) Vinyl Acetate	5.84	43	404239	99.331	ug/l	99
24) 1,1-Dichloroethane	5.79	63	68769	20.406	ug/l	97
25) 2-Butanone	6.79	43	104152	93.218	ug/l	98
26) 2,2-Dichloropropane	6.77	77	53793	20.297	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	39463	19.960	ug/l	99
28) Bromochloromethane	7.15	49	33229	18.845	ug/l	97
29) Tetrahydrofuran	7.17	42	70111	97.228	ug/l	99
30) Chloroform	7.33	83	68964	20.319	ug/l	99
31) Cyclohexane	7.61	56	60206	19.410	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	56639	20.441	ug/l	98
36) 1,1-Dichloropropene	7.75	75	45146	18.802	ug/l	99
37) Ethyl Acetate	6.89	43	44060	19.584	ug/l	96
38) Carbon Tetrachloride	7.73	117	47767	19.705	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082420\
 Data File : VN063091.D
 Acq On : 24 Aug 2020 13:27
 Operator : JC/MD
 Sample : VN0824MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

Quant Time: Aug 25 00:52:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	50587	16.680	ug/l	93
40) Benzene	8.00	78	148142	19.453	ug/l	98
41) Methacrylonitrile	7.13	41	19969	18.629	ug/l	92
42) 1,2-Dichloroethane	8.08	62	51912	20.302	ug/l	98
43) Isopropyl Acetate	8.13	43	73375	19.686	ug/l	99
44) Trichloroethene	8.80	130	36972	19.518	ug/l	96
45) 1,2-Dichloropropane	9.08	63	43618	19.815	ug/l	97
46) Dibromomethane	9.18	93	25647	20.168	ug/l	99
47) Bromodichloromethane	9.37	83	55786	20.029	ug/l	99
48) Methyl methacrylate	9.17	41	34246	19.419	ug/l	97
49) 1,4-Dioxane	9.18	88	4659	133.510	ug/l #	85
51) 4-Methyl-2-Pentanone	9.96	43	239258	101.554	ug/l	98
52) Toluene	10.12	92	93149	20.277	ug/l	98
53) t-1,3-Dichloropropene	10.36	75	57940	20.116	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	64205	20.320	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	41276	21.013	ug/l	99
56) Ethyl methacrylate	10.40	69	53616	18.798	ug/l	98
57) 1,3-Dichloropropane	10.68	76	66581	20.412	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	67099	98.734	ug/l	99
59) 2-Hexanone	10.73	43	163551	99.523	ug/l	96
60) Dibromochloromethane	10.88	129	43148	19.849	ug/l	100
61) 1,2-Dibromoethane	10.98	107	39185	20.761	ug/l	99
64) Tetrachloroethene	10.60	164	32639	19.144	ug/l	97
65) Chlorobenzene	11.41	112	103399	19.850	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	41298	20.383	ug/l	98
67) Ethyl Benzene	11.49	91	172727	19.625	ug/l	99
68) m/p-Xylenes	11.60	106	130835	39.995	ug/l	99
69) o-Xylene	11.92	106	62309	19.835	ug/l	97
70) Styrene	11.94	104	109649	18.836	ug/l	99
71) Bromoform	12.10	173	32054	19.876	ug/l #	100
73) Isopropylbenzene	12.23	105	169133	20.340	ug/l	99
74) N-amyl acetate	12.05	43	62588	21.016	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	58851	20.955	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	72122	30.558	ug/l #	100
77) Bromobenzene	12.50	156	46968	20.538	ug/l	99
78) n-propylbenzene	12.57	91	192014	20.259	ug/l	99
79) 2-Chlorotoluene	12.65	91	120778	20.260	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	136823	19.905	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	18356	21.360	ug/l	95
82) 4-Chlorotoluene	12.75	91	123000	20.263	ug/l	99
83) tert-Butylbenzene	12.97	119	116073	19.565	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	129144	19.285	ug/l	99
85) sec-Butylbenzene	13.15	105	150683	18.793	ug/l	99
86) p-Isopropyltoluene	13.26	119	125917	18.023	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	80617	20.512	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	79801	20.005	ug/l	99
89) n-Butylbenzene	13.59	91	97699	16.708	ug/l	98
90) Hexachloroethane	13.85	117	27968	18.835	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	78868	20.774	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	9523	22.740	ug/l	99

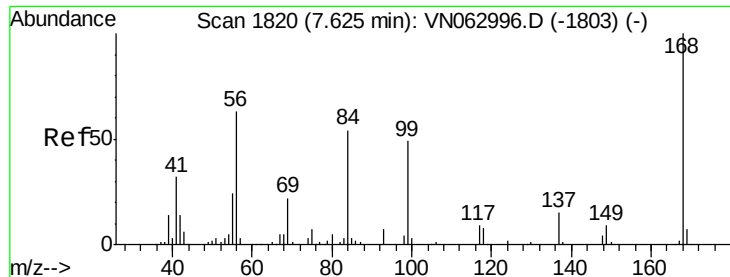
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082420\
Data File : VN063091.D
Acq On : 24 Aug 2020 13:27
Operator : JC/MD
Sample : VN0824MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

Quant Time: Aug 25 00:52:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	34951	19.644	ug/l	97
94) Hexachlorobutadiene	14.99	225	21254	15.150	ug/l	98
95) Naphthalene	15.11	128	79189	20.143	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	34198	19.228	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

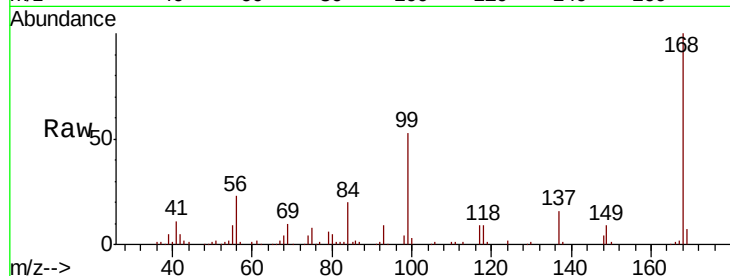
VN0824MBS01

Tot Ion:168 Resp: 177568

Ion Ratio Lower Upper

168 100

99 52.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

80000

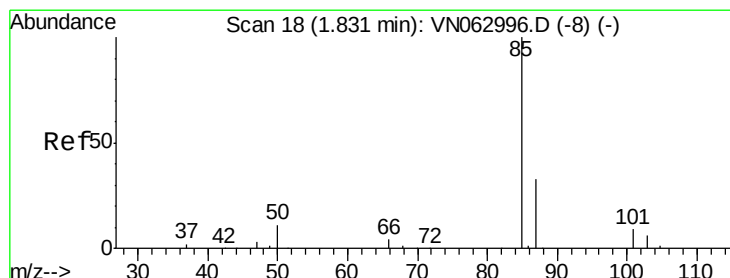
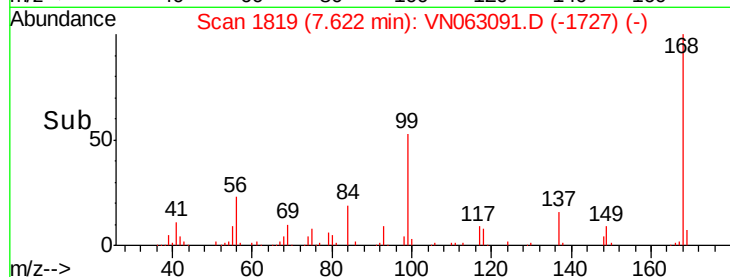
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 20.321 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN063091.D

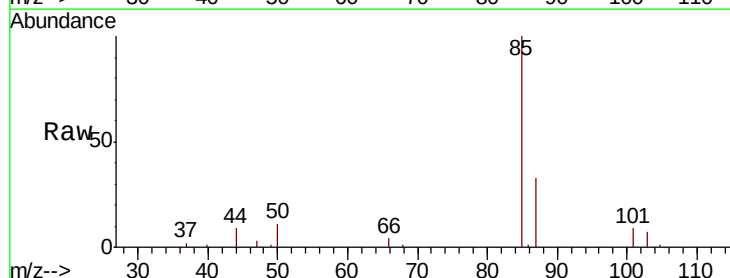
Acq: 24 Aug 2020 13:27

Tgt Ion: 85 Resp: 46761

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

30000

25000

20000

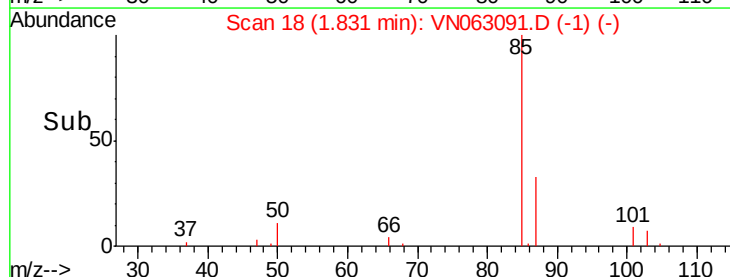
15000

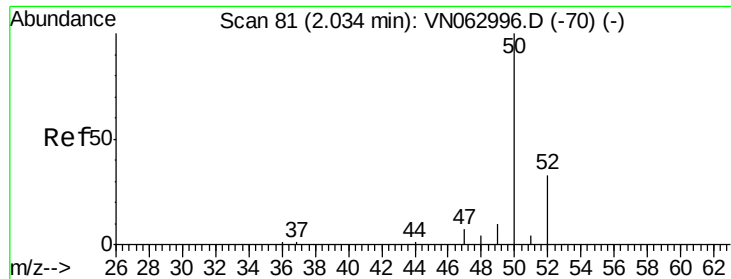
10000

5000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 21.215 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

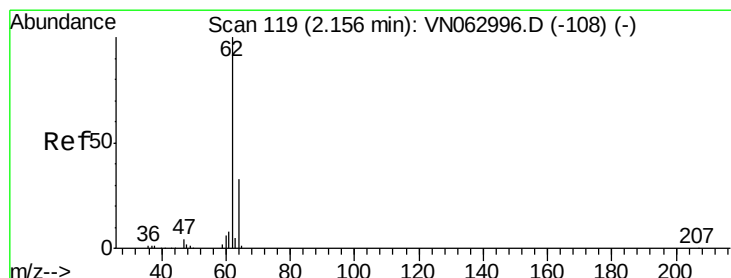
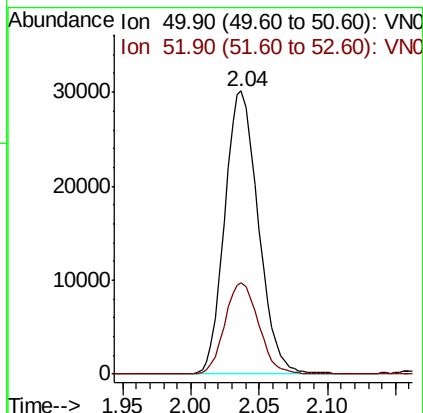
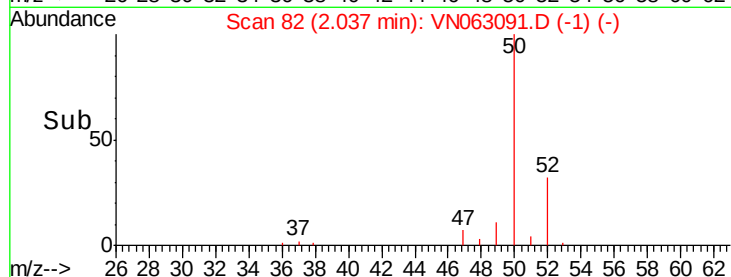
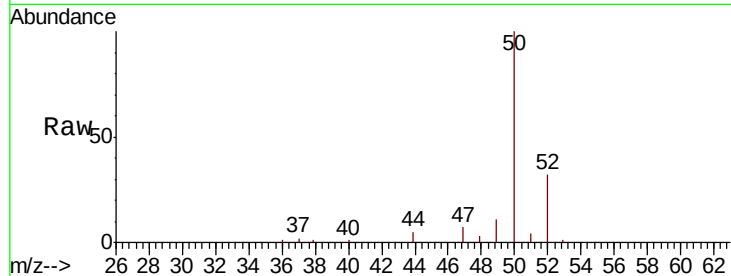
VN0824MBS01

Tot Ion: 50 Resp: 51653

Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



#4

Vinyl Chloride

Concen: 21.503 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.01 min

Lab File: VN063091.D

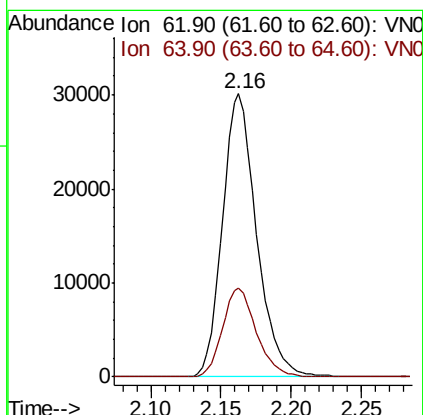
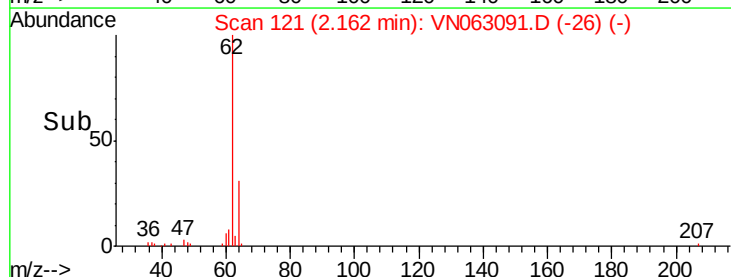
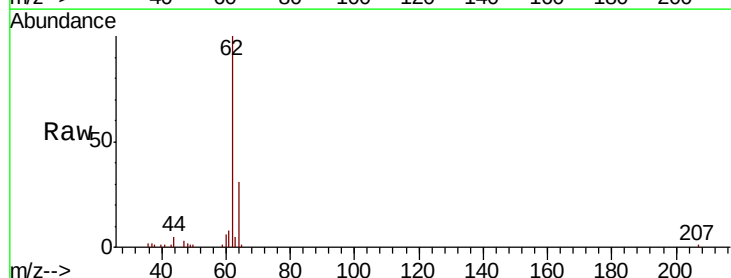
Acq: 24 Aug 2020 13:27

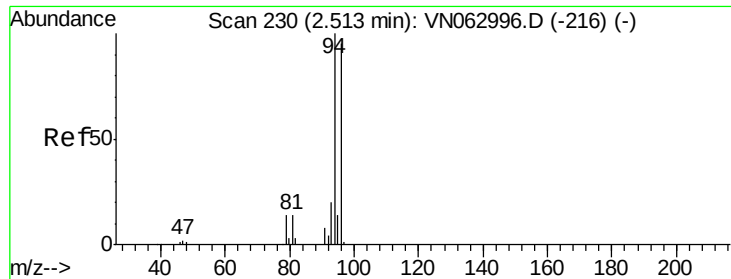
Tgt Ion: 62 Resp: 50631

Ion Ratio Lower Upper

62 100

64 31.5 26.2 39.2





#5

Bromomethane

Concen: 13.975 ug/l

RT: 2.48 min Scan# 221

Delta R.T. -0.03 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

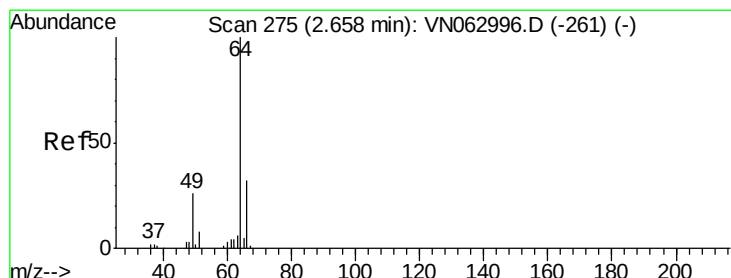
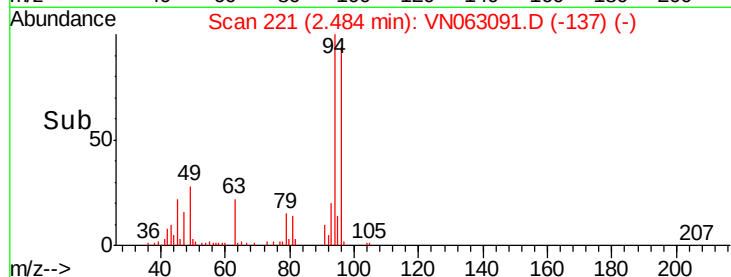
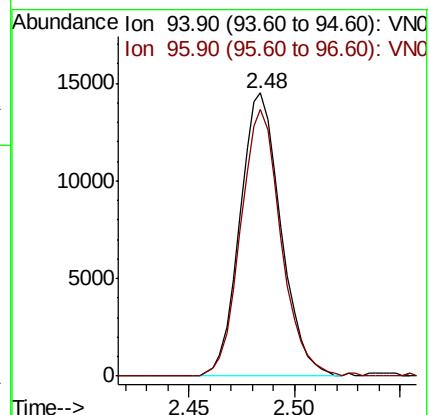
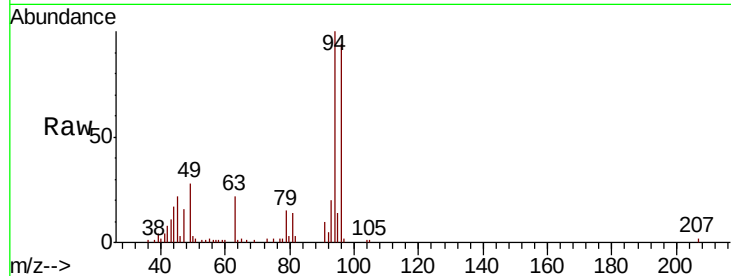
VN0824MBS01

Tot Ion: 94 Resp: 19531

Ion Ratio Lower Upper

94 100

96 94.4 75.8 113.8



#6

Chloroethane

Concen: 15.300 ug/l

RT: 2.59 min Scan# 253

Delta R.T. -0.07 min

Lab File: VN063091.D

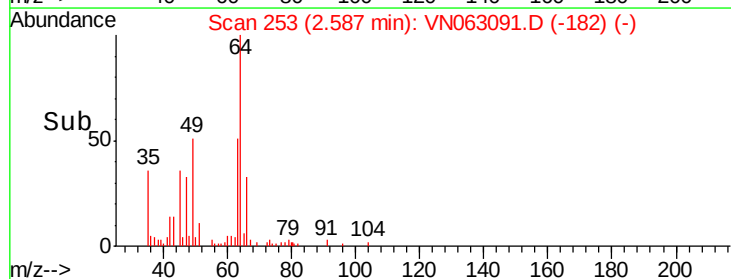
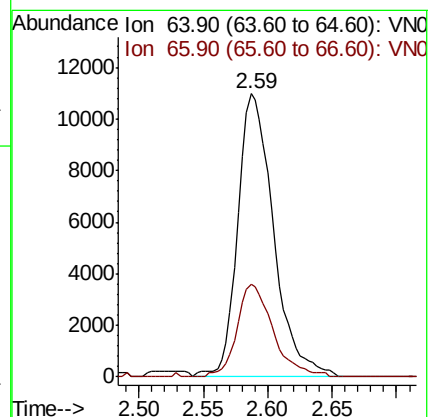
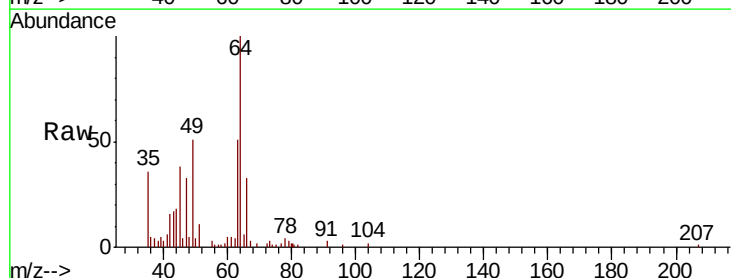
Acq: 24 Aug 2020 13:27

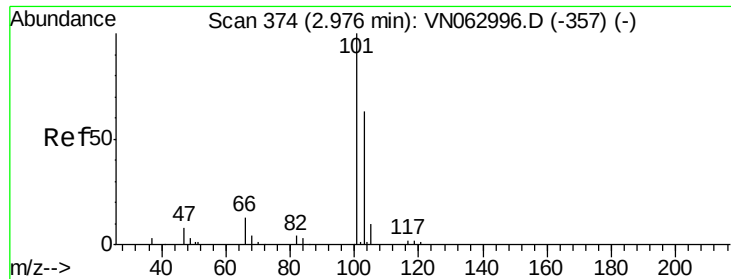
Tgt Ion: 64 Resp: 21270

Ion Ratio Lower Upper

64 100

66 32.7 25.4 38.0



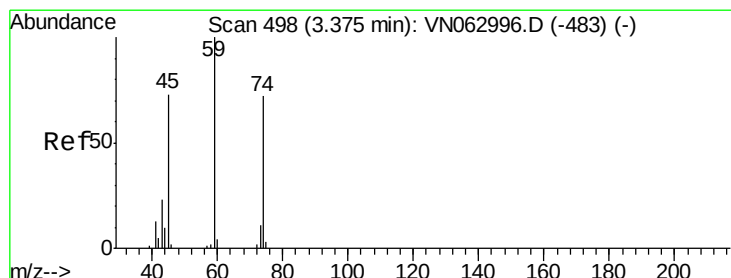
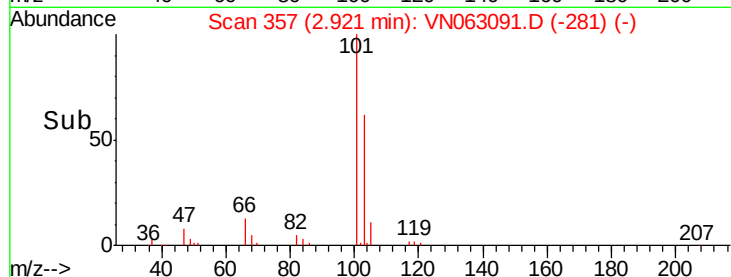
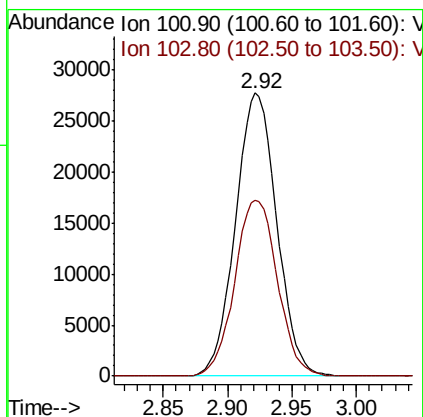
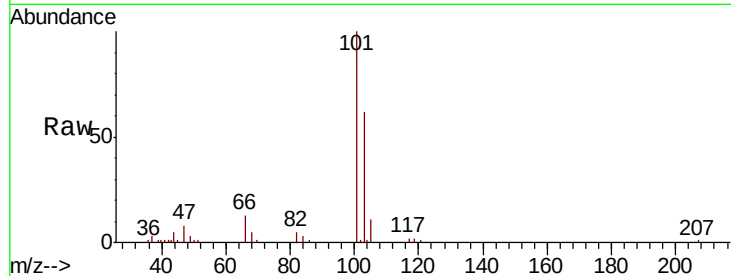


#7

Trichlorofluoromethane
 Concen: 21.053 ug/l
 RT: 2.92 min Scan# 357
 Delta R.T. -0.05 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

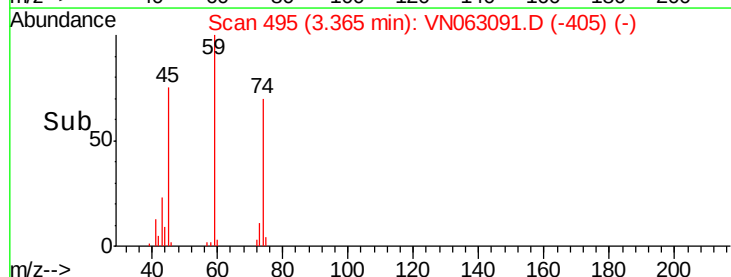
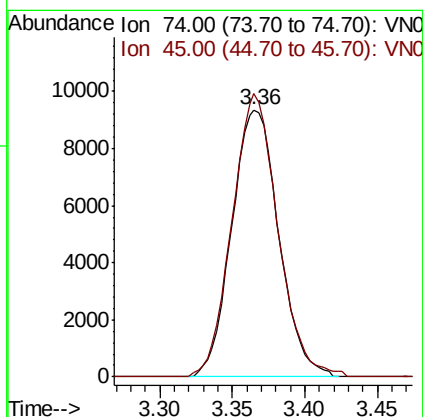
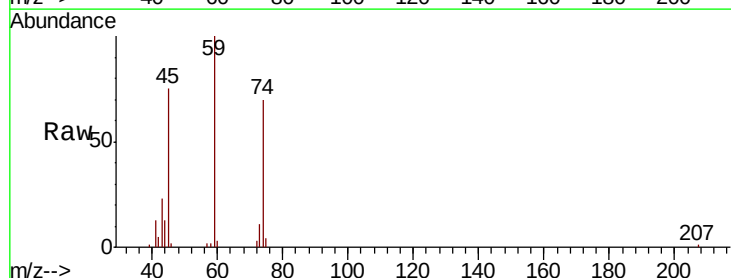
Tot Ion:101 Resp: 61819
 Ion Ratio Lower Upper
 101 100
 103 62.3 50.5 75.7

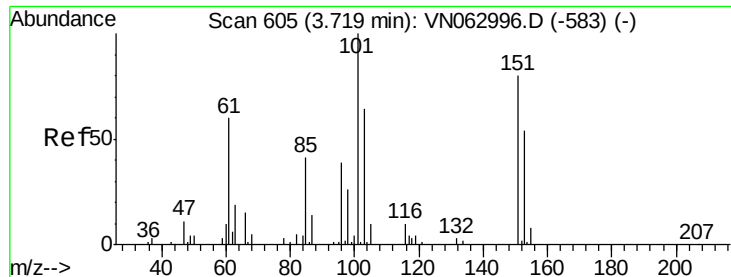


#8

Diethyl Ether
 Concen: 20.259 ug/l
 RT: 3.36 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion: 74 Resp: 21044
 Ion Ratio Lower Upper
 74 100
 45 103.4 49.9 149.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.825 ug/l

RT: 3.68 min Scan# 594

Delta R.T. -0.04 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0824MBS01

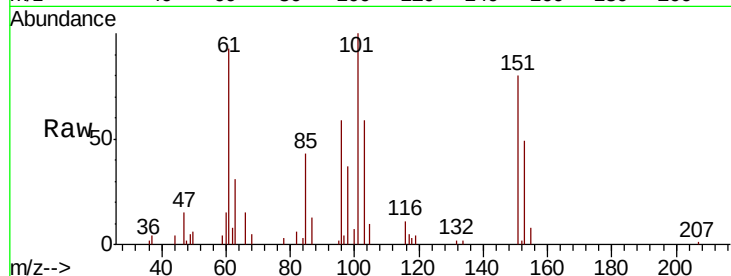
Tot Ion:101 Resp: 31368

Ion Ratio Lower Upper

101 100

85 42.0 34.0 51.0

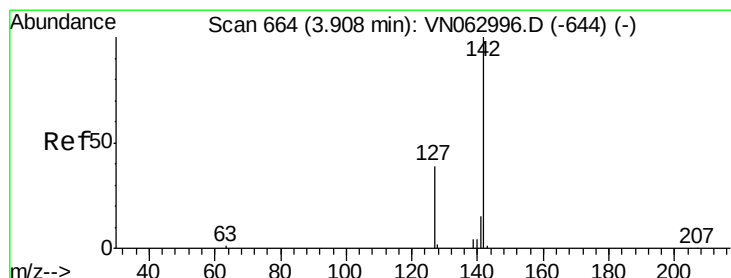
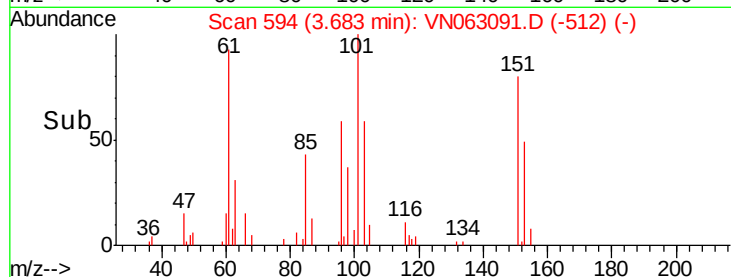
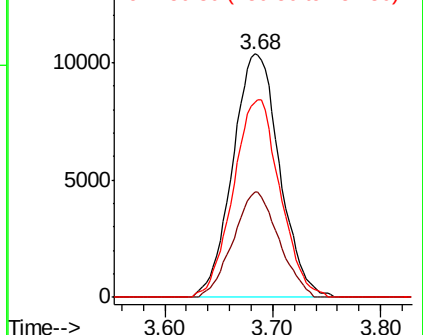
151 80.9 65.8 98.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 16.911 ug/l

RT: 3.89 min Scan# 657

Delta R.T. -0.02 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

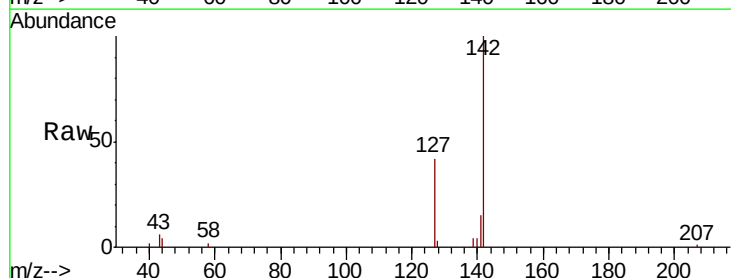
Tgt Ion:142 Resp: 33915

Ion Ratio Lower Upper

142 100

127 40.2 32.2 48.4

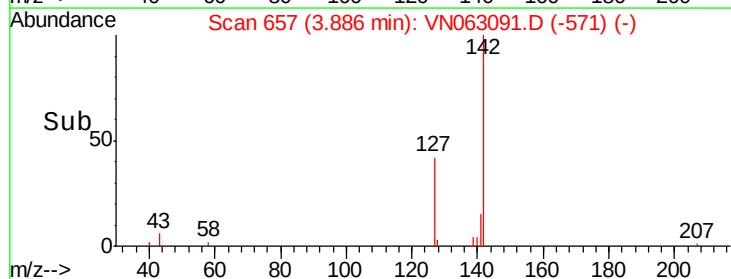
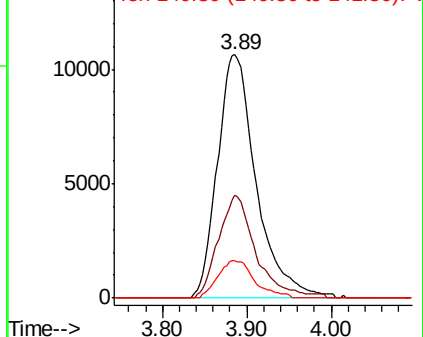
141 14.7 11.3 16.9

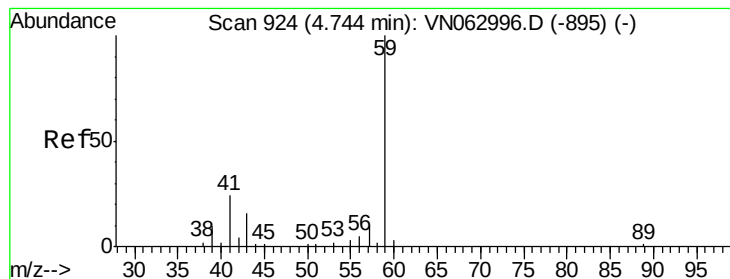


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



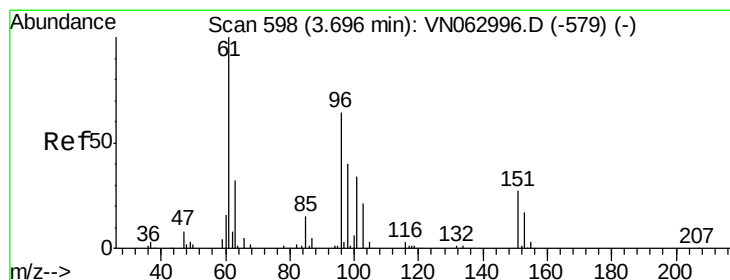
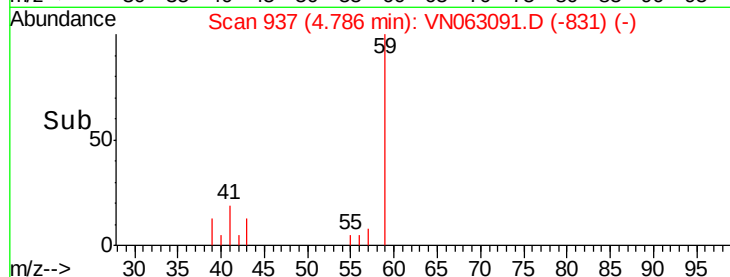
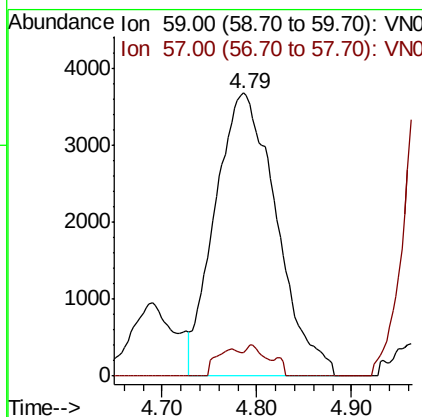
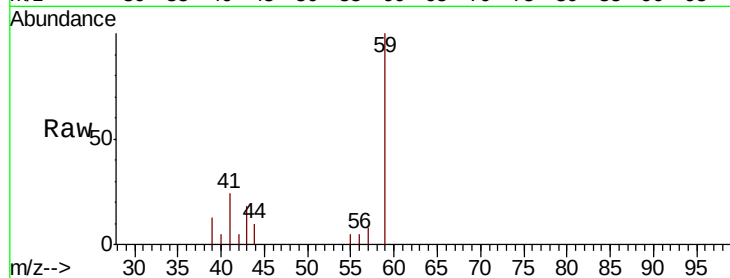


#11

Tert butyl alcohol
 Concen: 55.710 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.04 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

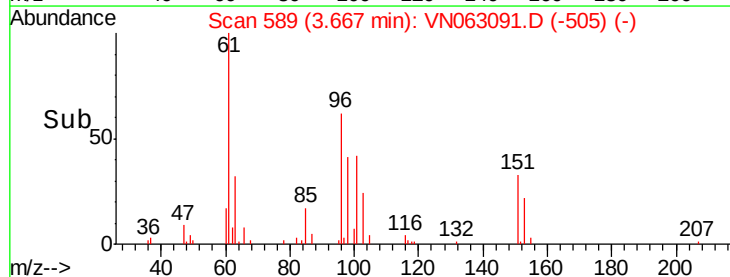
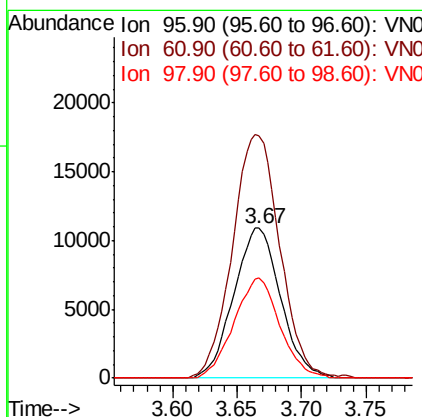
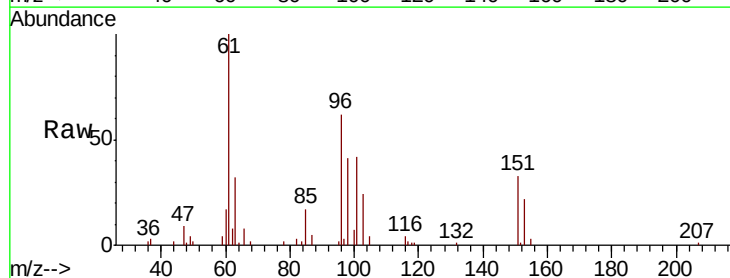
Tot Ion: 59 Resp: 16607
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.6#

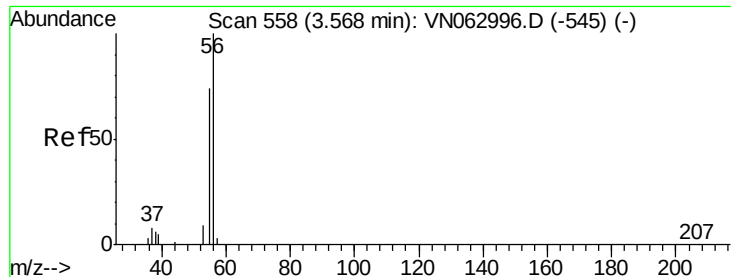


#12

1,1-Dichloroethene
 Concen: 18.297 ug/l
 RT: 3.67 min Scan# 589
 Delta R.T. -0.03 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion: 96 Resp: 27578
 Ion Ratio Lower Upper
 96 100
 61 161.9 125.5 188.3
 98 66.8 50.4 75.6





#13

Acrolein

Concen: 22.959 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

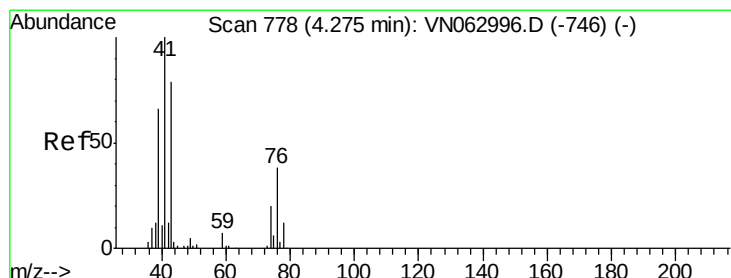
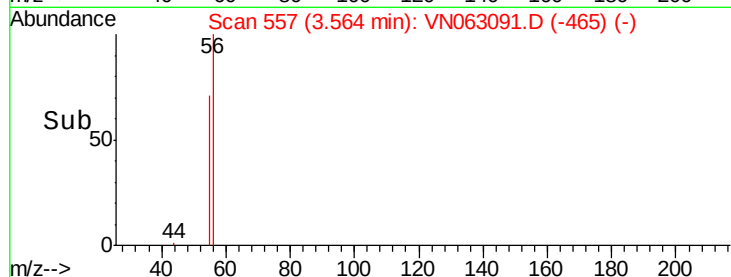
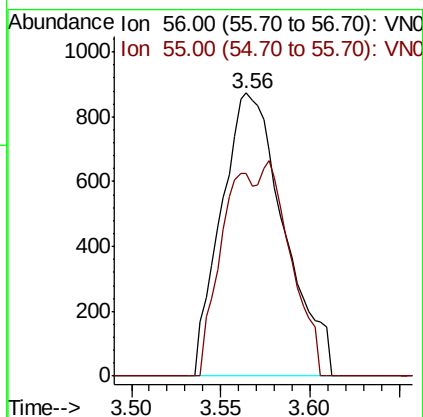
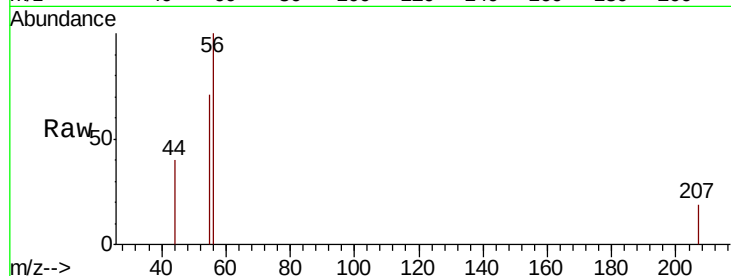
VN0824MBS01

Tot Ion: 56 Resp: 2144

Ion Ratio Lower Upper

56 100

55 37.7 58.4 87.6#



#14

Allyl chloride

Concen: 19.048 ug/l

RT: 4.26 min Scan# 772

Delta R.T. -0.02 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

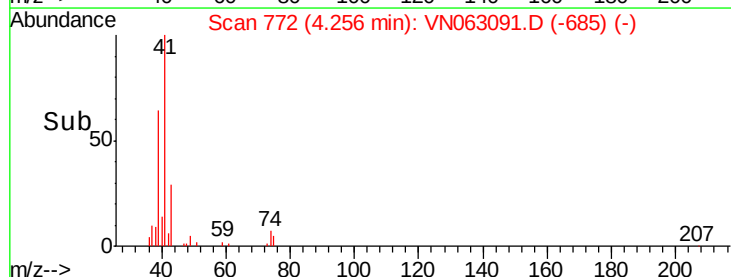
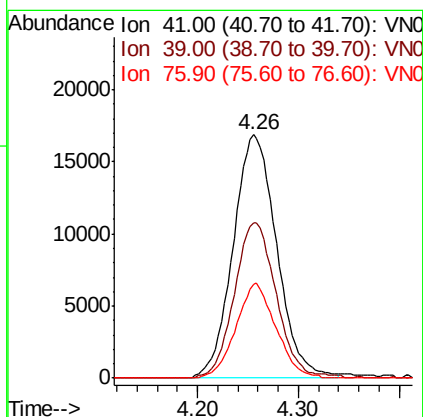
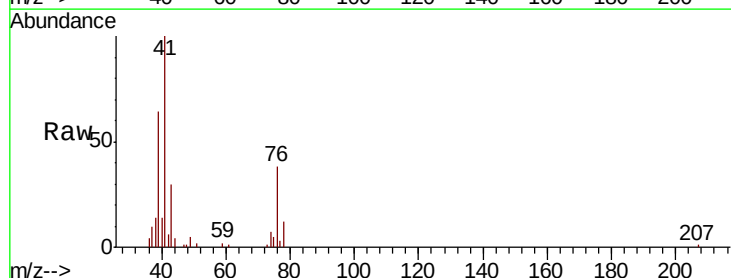
Tgt Ion: 41 Resp: 50621

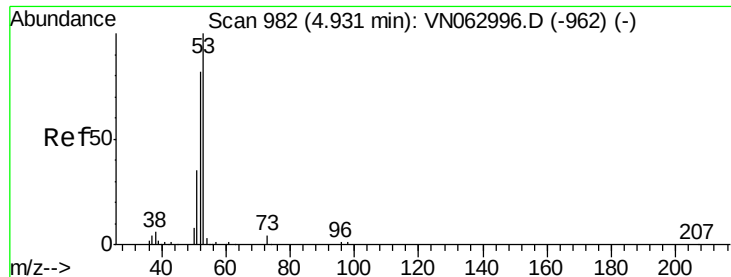
Ion Ratio Lower Upper

41 100

39 61.5 47.9 71.9

76 35.6 27.0 40.6





#15

Acrylonitrile

Concen: 103.317 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

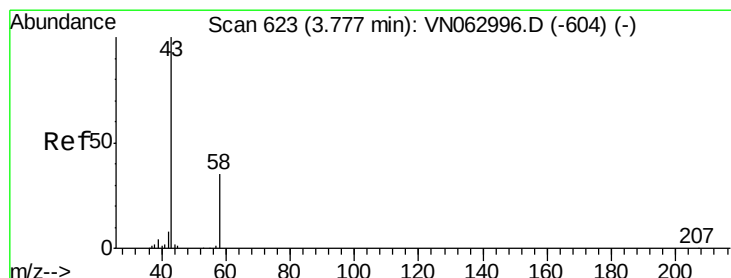
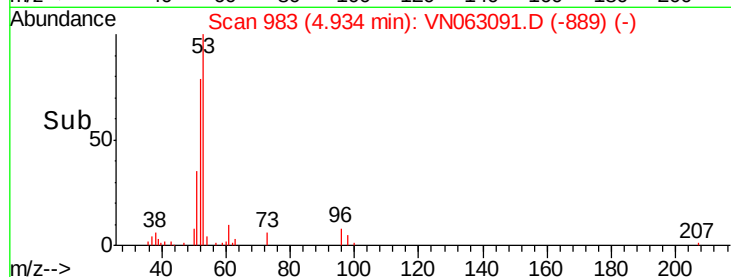
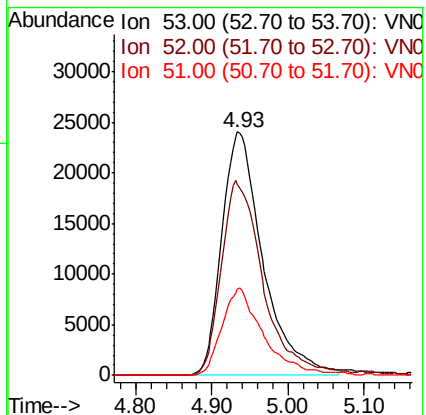
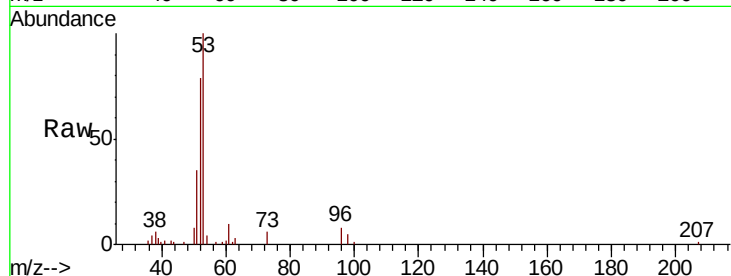
Tot Ion: 53 Resp: 90522

Ion Ratio Lower Upper

53 100

52 81.1 65.6 98.4

51 35.8 28.2 42.4



#16

Acetone

Concen: 96.583 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN063091.D

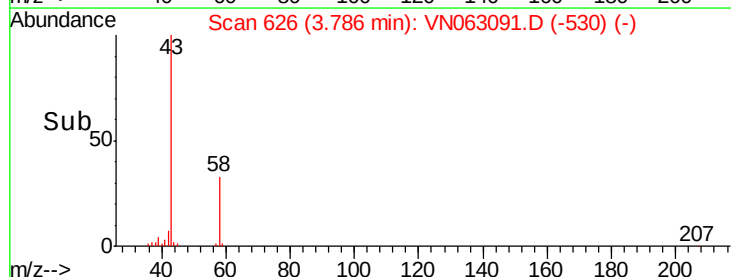
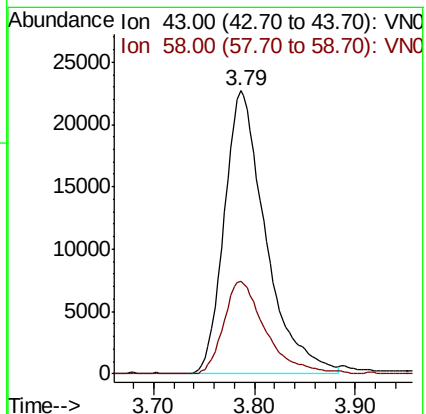
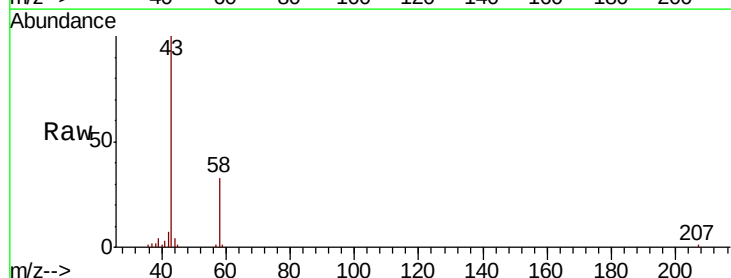
Acq: 24 Aug 2020 13:27

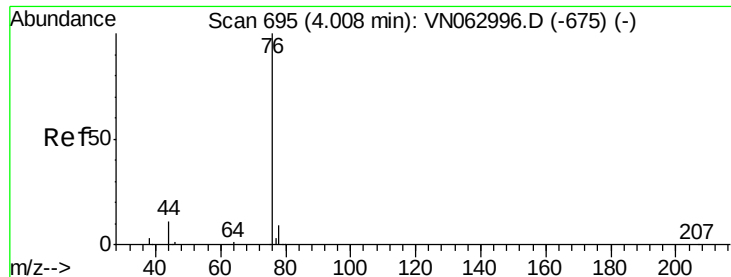
Tgt Ion: 43 Resp: 64964

Ion Ratio Lower Upper

43 100

58 32.6 27.8 41.6





#17

Carbon Disulfide

Concen: 17.985 ug/l

RT: 3.98 min Scan# 687

Delta R.T. -0.03 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

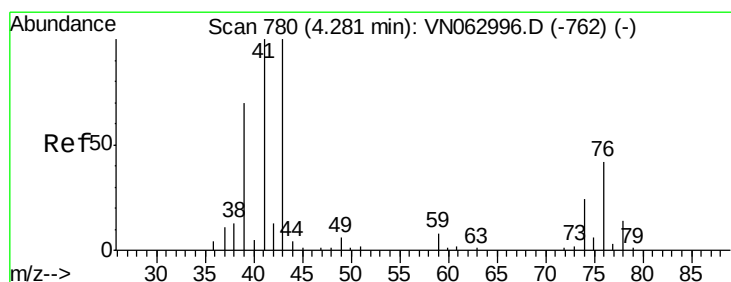
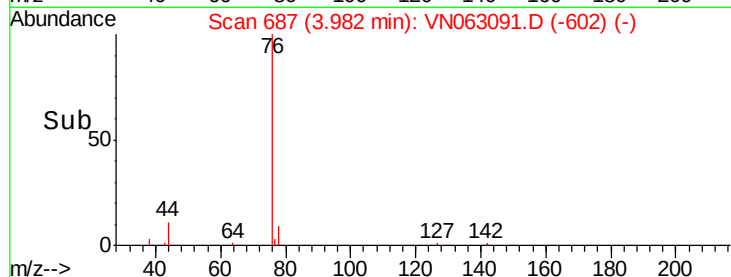
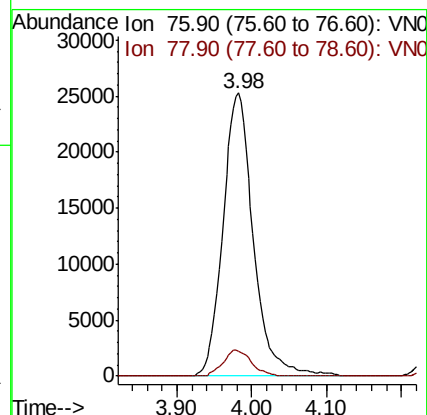
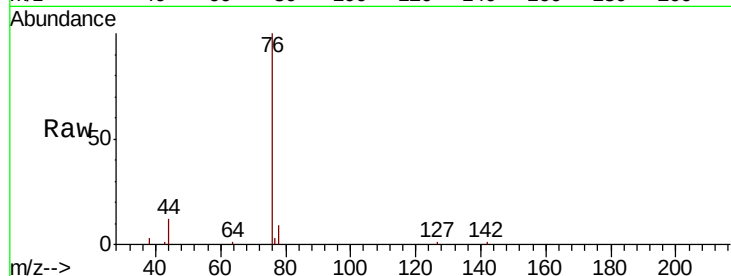
VN0824MBS01

Tot Ion: 76 Resp: 70992

Ion Ratio Lower Upper

76 100

78 8.9 6.9 10.3



#18

Methyl Acetate

Concen: 20.834 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.00 min

Lab File: VN063091.D

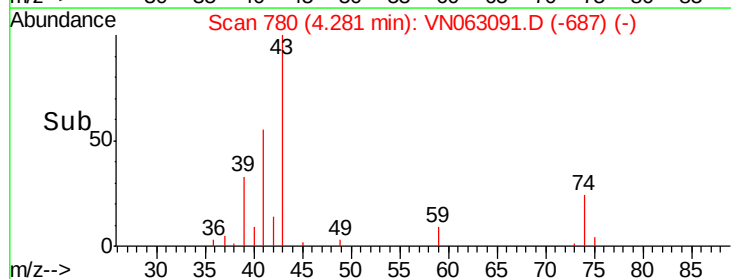
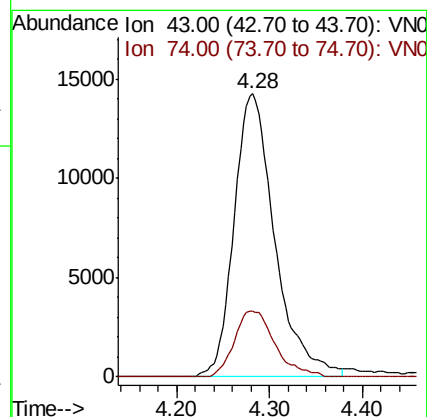
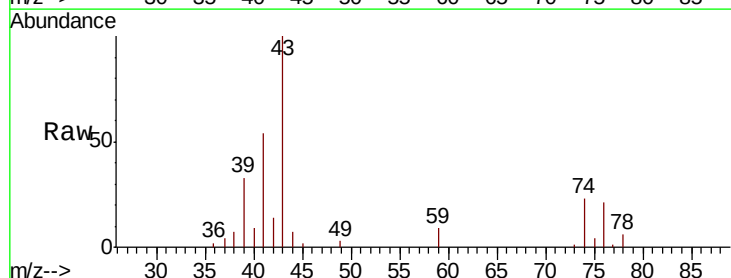
Acq: 24 Aug 2020 13:27

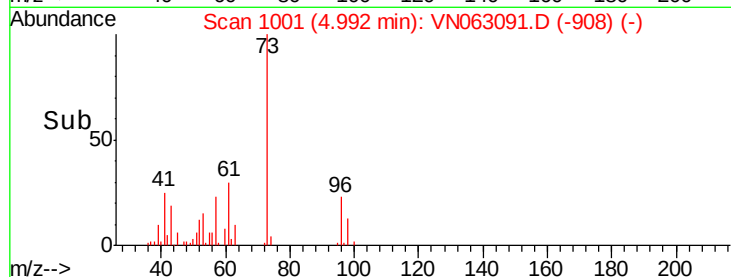
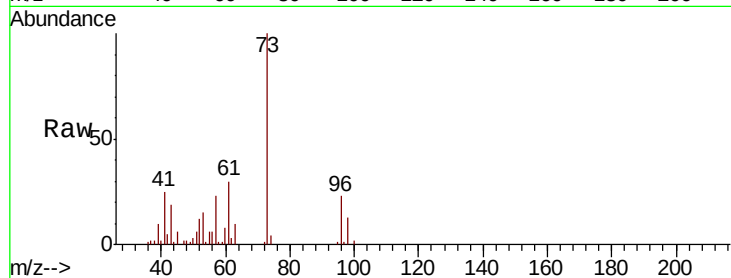
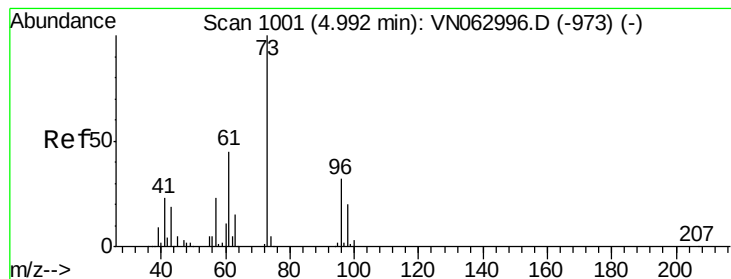
Tgt Ion: 43 Resp: 43572

Ion Ratio Lower Upper

43 100

74 23.2 18.6 28.0



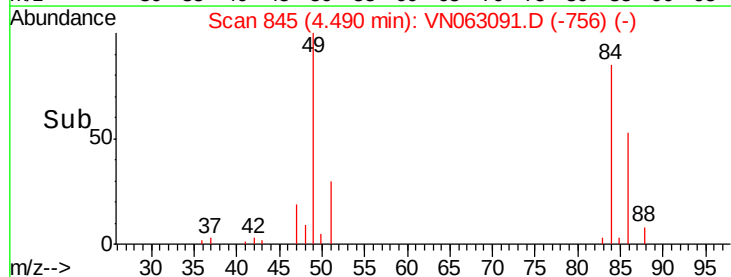
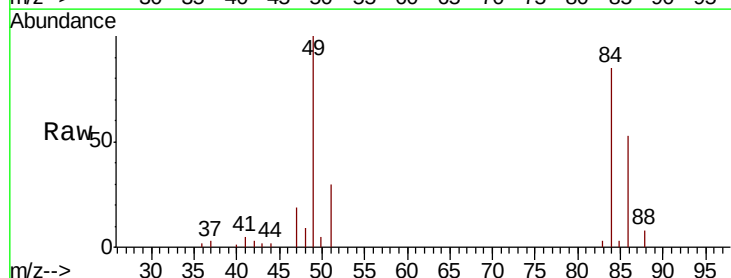
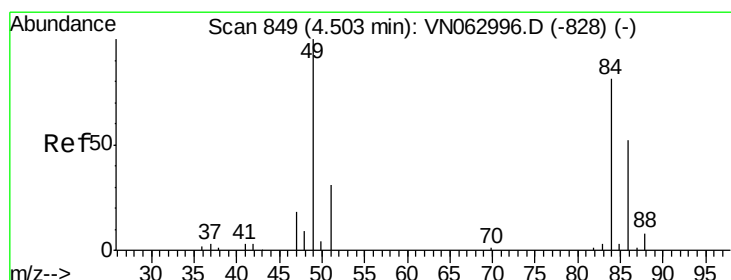
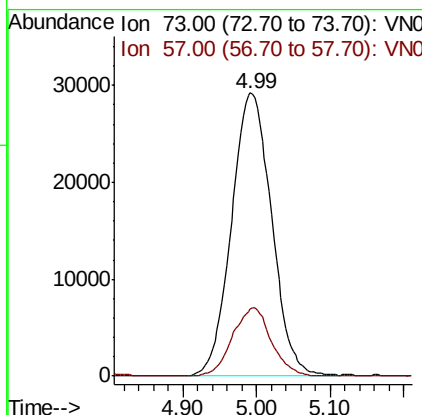


#19

Methyl tert-butyl Ether
 Concen: 21.043 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

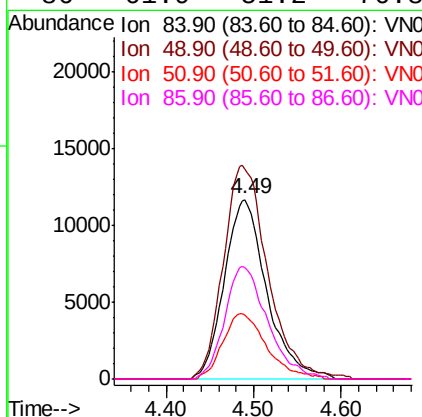
Tot Ion: 73 Resp: 110610
 Ion Ratio Lower Upper
 73 100
 57 23.5 18.1 27.1

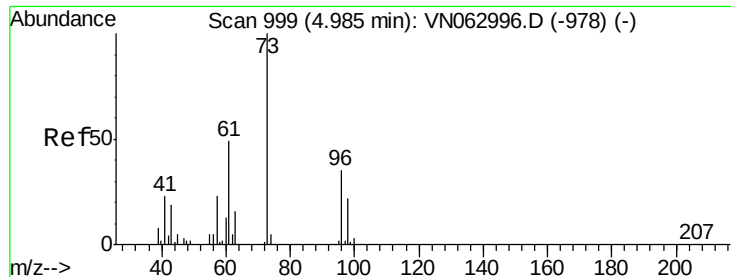


#20

Methylene Chloride
 Concen: 20.439 ug/l
 RT: 4.49 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion: 84 Resp: 39389
 Ion Ratio Lower Upper
 84 100
 49 117.0 98.7 148.1
 51 35.3 30.8 46.2
 86 61.9 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 19.365 ug/l

RT: 4.97 min Scan# 994

Delta R.T. -0.02 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

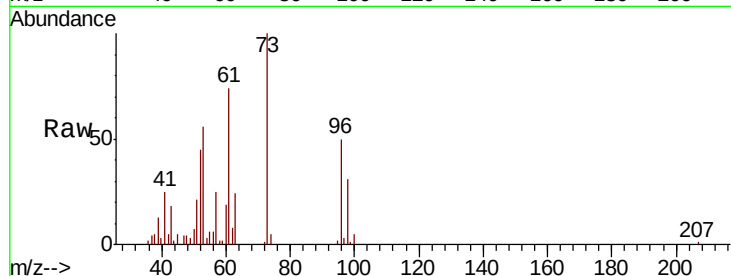
Tot Ion: 96 Resp: 30545

Ion Ratio Lower Upper

96 100

61 147.9 112.5 168.7

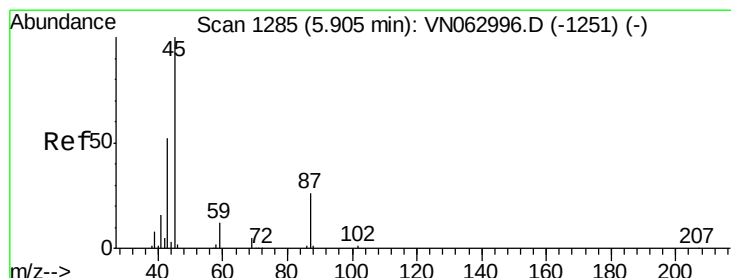
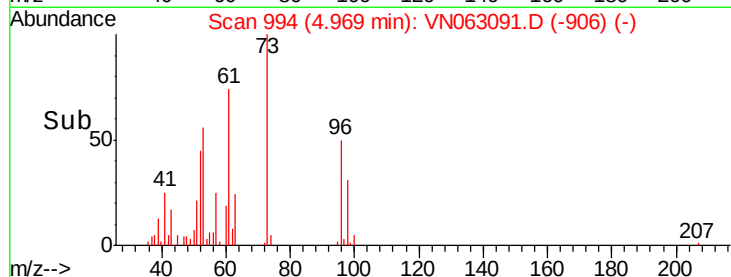
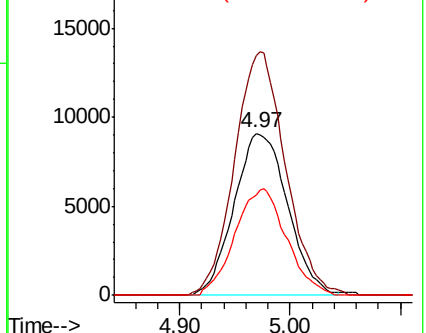
98 62.0 49.4 74.0



Abundance Ion 95.90 (95.60 to 96.60): VN062996.D (-978) (-)

Ion 60.90 (60.60 to 61.60): VN062996.D (-978) (-)

Ion 97.90 (97.60 to 98.60): VN062996.D (-978) (-)



#22

Diisopropyl ether

Concen: 21.934 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Tgt Ion: 45 Resp: 132280

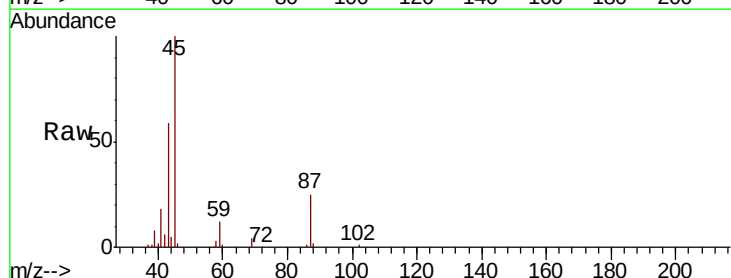
Ion Ratio Lower Upper

45 100

43 56.9 45.7 68.5

87 25.5 21.8 32.6

59 11.7 9.3 13.9

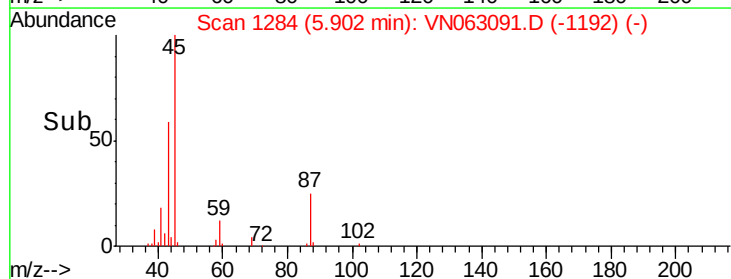
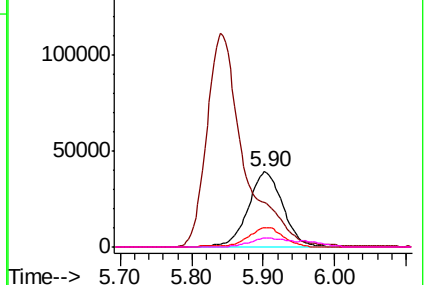


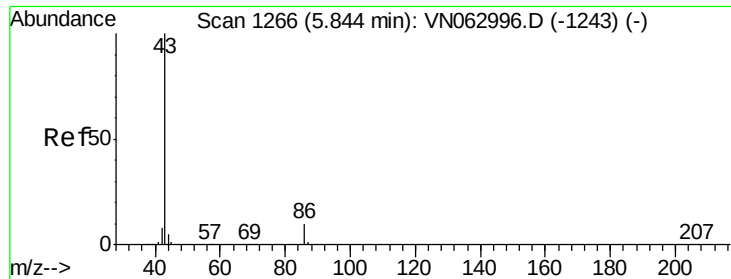
Abundance Ion 45.00 (44.70 to 45.70): VN062996.D (-1251) (-)

Ion 43.00 (42.70 to 43.70): VN062996.D (-1251) (-)

Ion 87.00 (86.70 to 87.70): VN062996.D (-1251) (-)

Ion 59.00 (58.70 to 59.70): VN062996.D (-1251) (-)





#23

Vinyl Acetate

Concen: 99.331 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

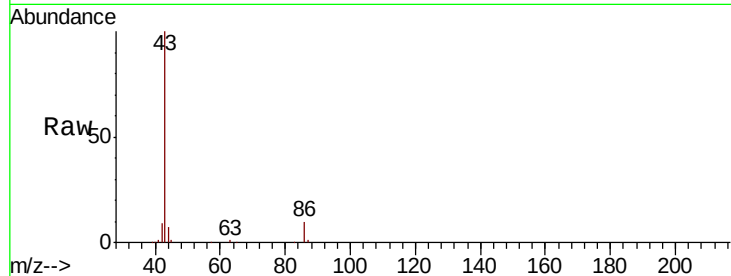
VN0824MBS01

Tot Ion: 43 Resp: 404239

Ion Ratio Lower Upper

43 100

86 9.7 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-1243) (-)

Ion 86.00 (85.70 to 86.70): VN062996.D (-1243) (-)

5.84

120000

100000

80000

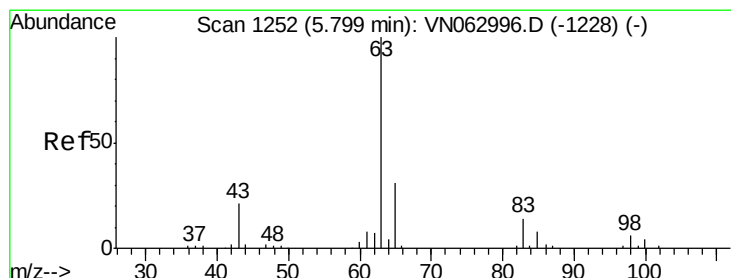
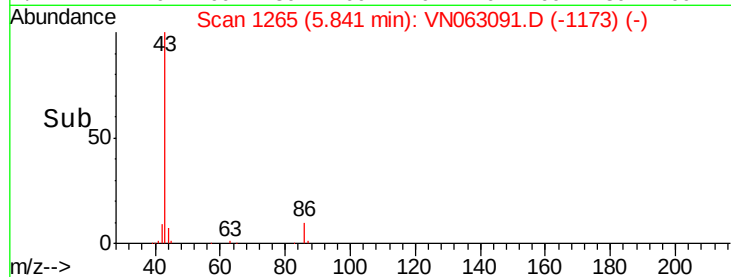
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.406 ug/l

RT: 5.79 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

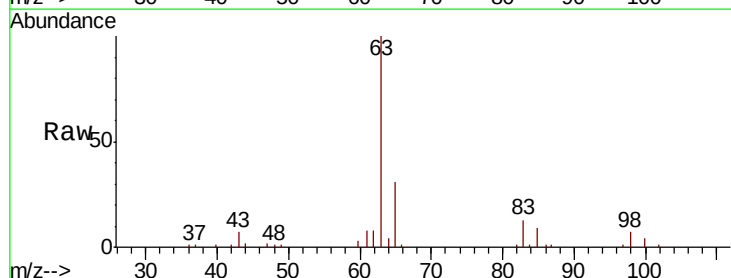
Tgt Ion: 63 Resp: 68769

Ion Ratio Lower Upper

63 100

98 7.1 2.9 8.7

100 4.4 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN062996.D (-1228) (-)

Ion 97.90 (97.60 to 98.60): VN062996.D (-1228) (-)

Ion 99.90 (99.60 to 100.60): VN062996.D (-1228) (-)

25000

20000

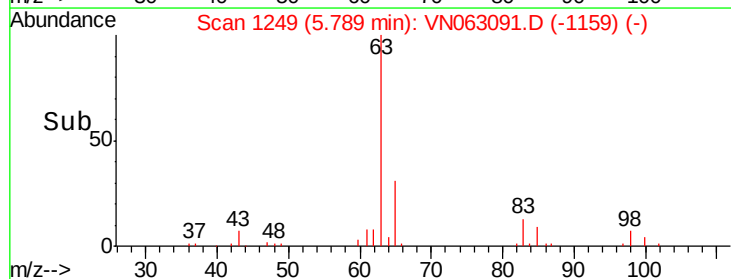
15000

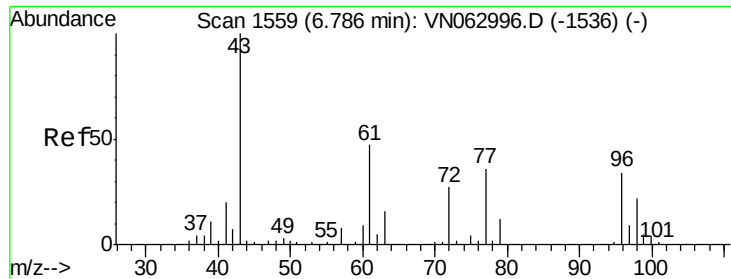
10000

5000

0

Time-->





#25

2-Butanone

Concen: 93.218 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. 0.01 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

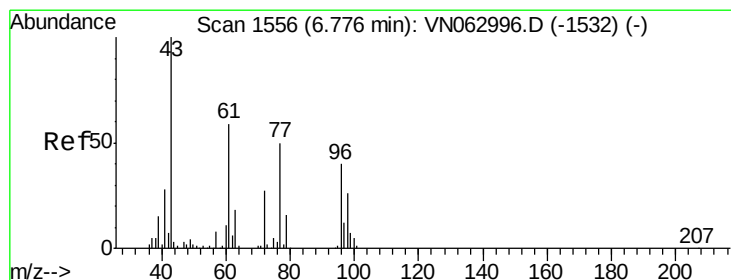
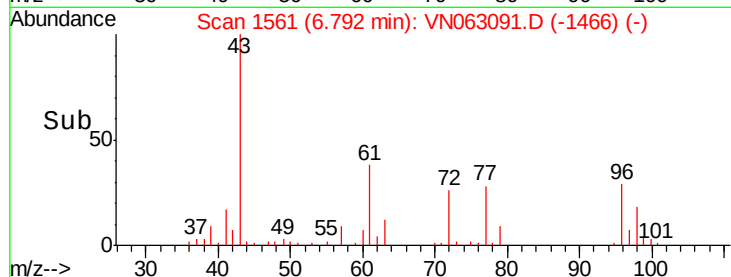
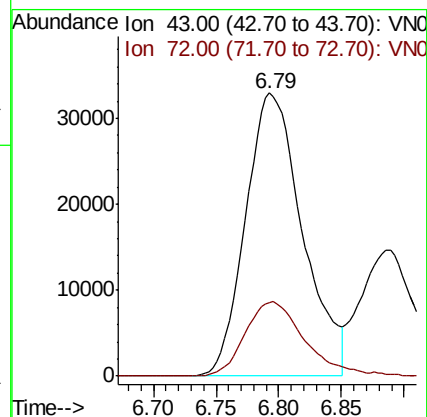
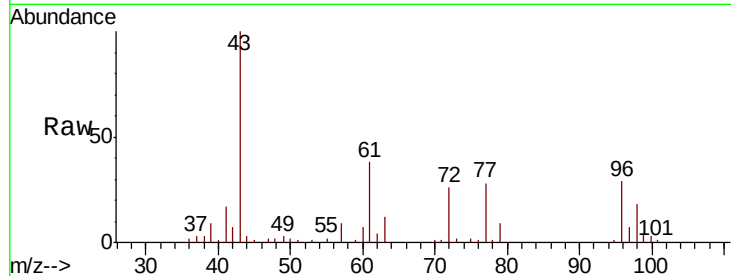
VN0824MBS01

Tot Ion: 43 Resp: 104152

Ion Ratio Lower Upper

43 100

72 26.0 21.8 32.6



#26

2,2-Dichloropropane

Concen: 20.297 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VN063091.D

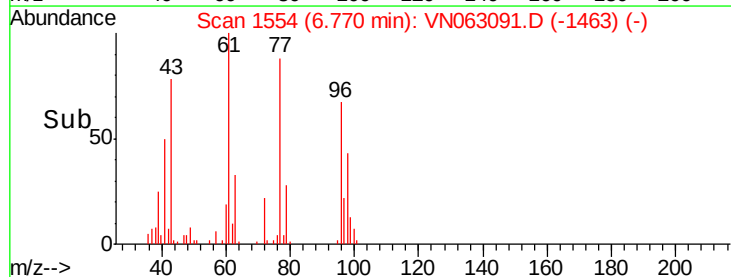
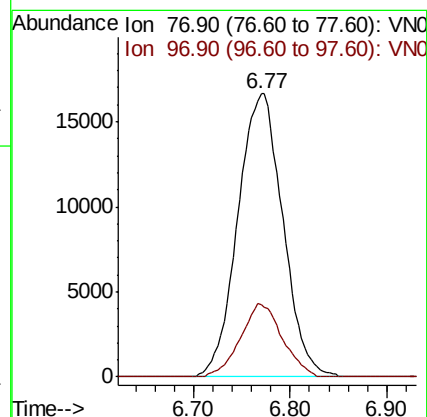
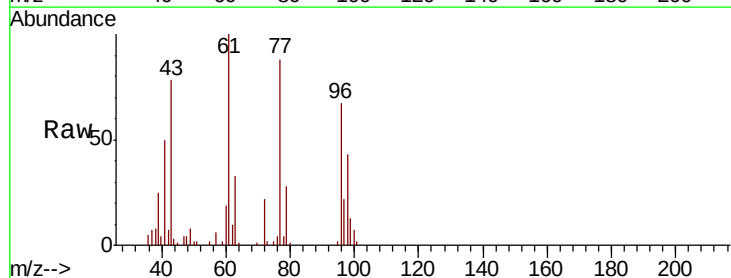
Acq: 24 Aug 2020 13:27

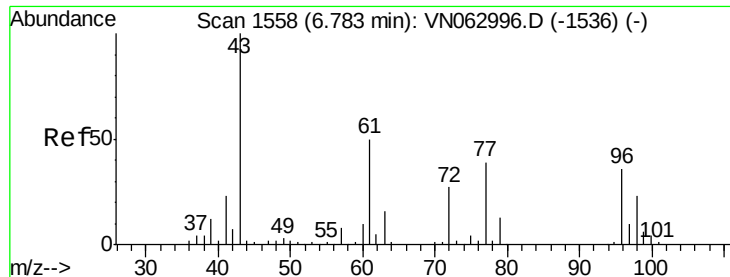
Tgt Ion: 77 Resp: 53793

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 19.960 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.01 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

VN0824MBS01

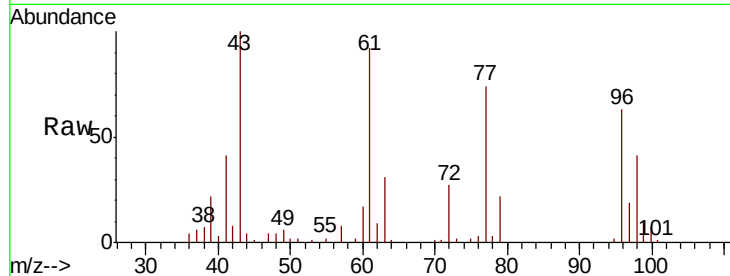
Tot Ion: 96 Resp: 39463

Ion Ratio Lower Upper

96 100

61 145.0 0.0 292.8

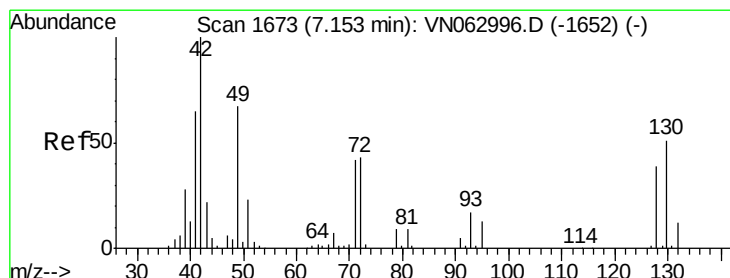
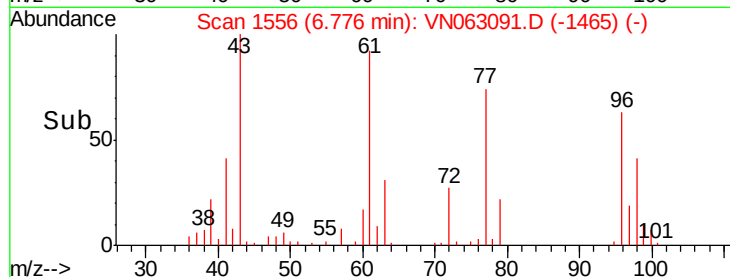
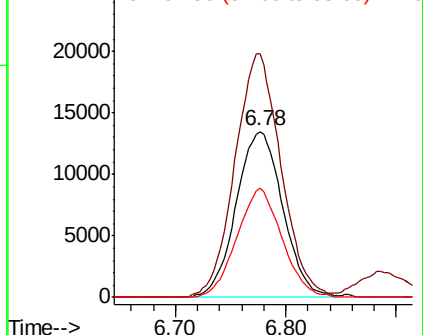
98 63.7 0.0 130.6



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: 18.845 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

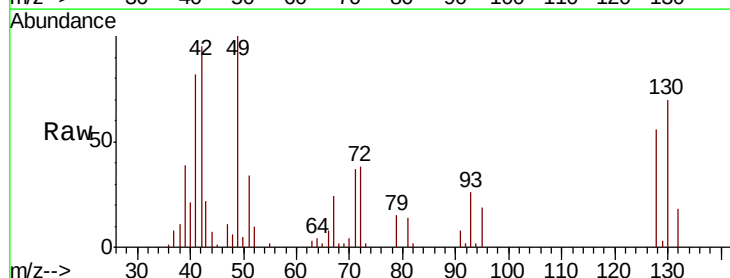
Tgt Ion: 49 Resp: 33229

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.6

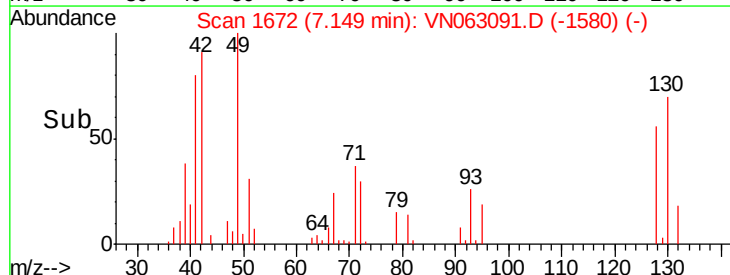
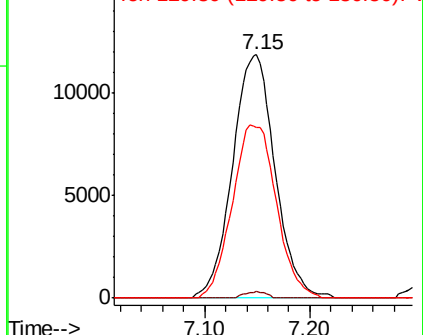
130 73.8 61.1 91.7

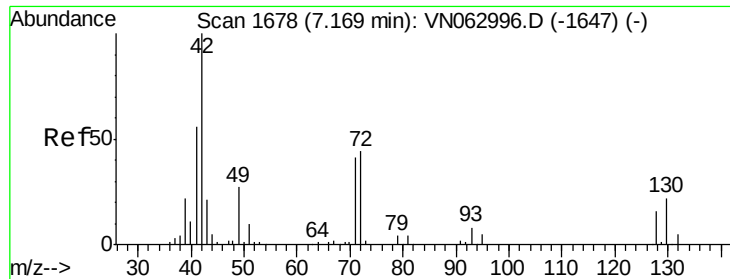


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

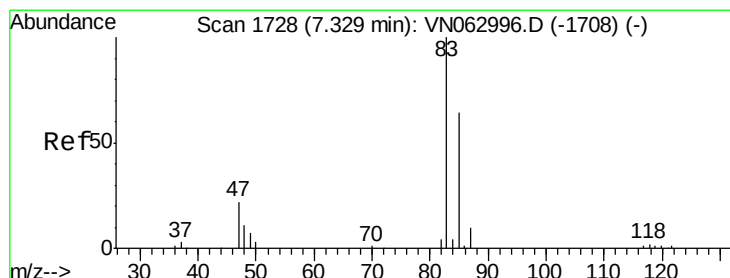
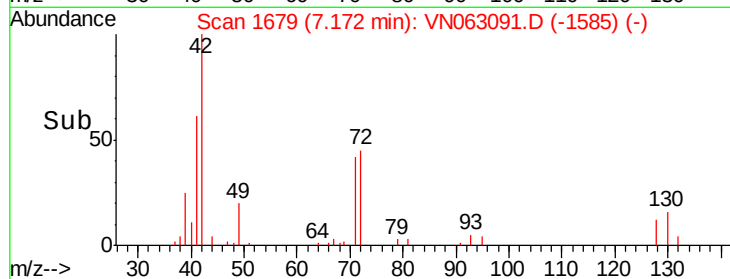
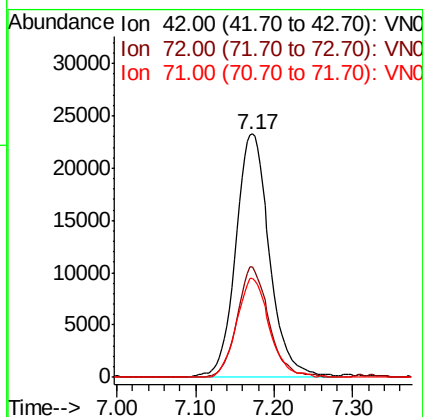
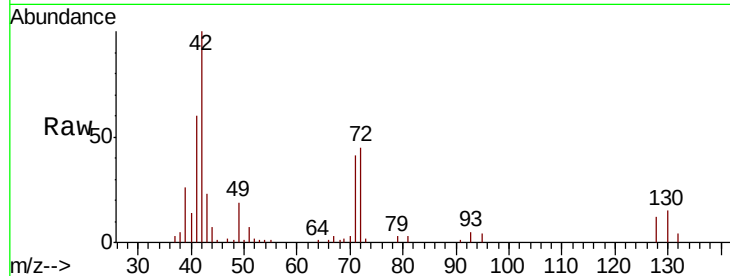




#29
Tetrahydrofuran
Concen: 97.228 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

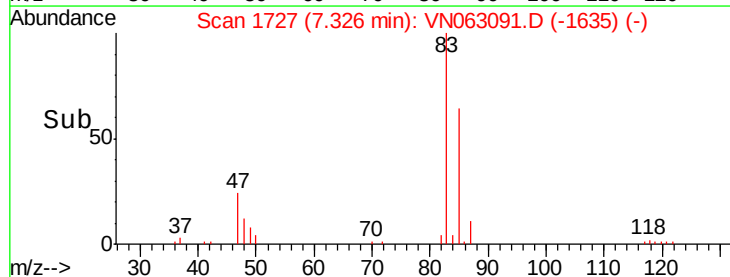
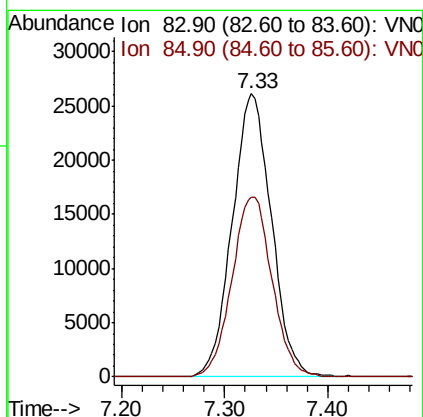
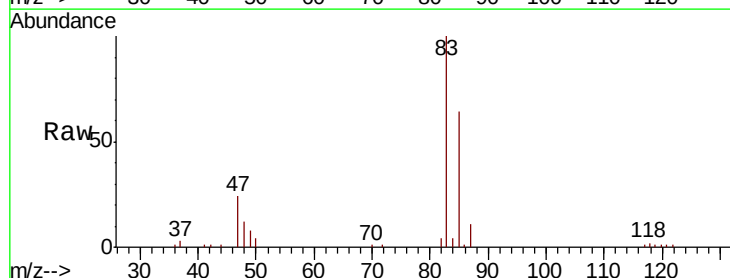
Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

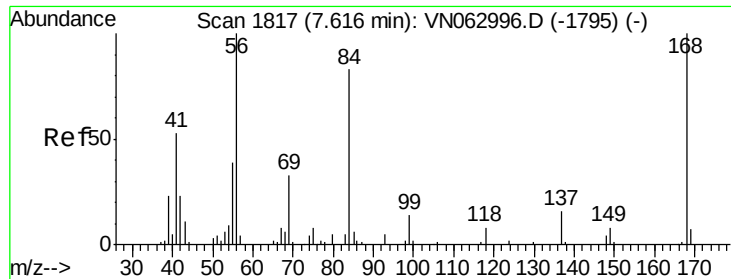
Tot Ion: 42 Resp: 70111
Ion Ratio Lower Upper
42 100
72 42.7 34.6 52.0
71 39.3 32.3 48.5



#30
Chloroform
Concen: 20.319 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion: 83 Resp: 68964
Ion Ratio Lower Upper
83 100
85 63.7 51.5 77.3

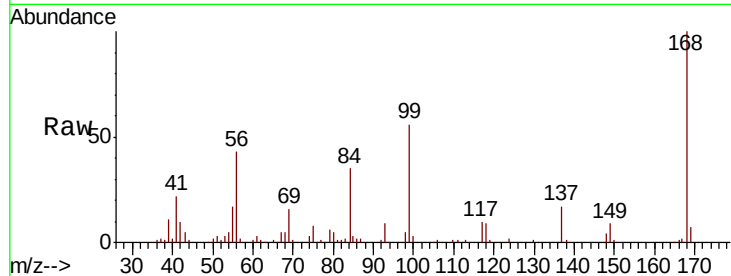




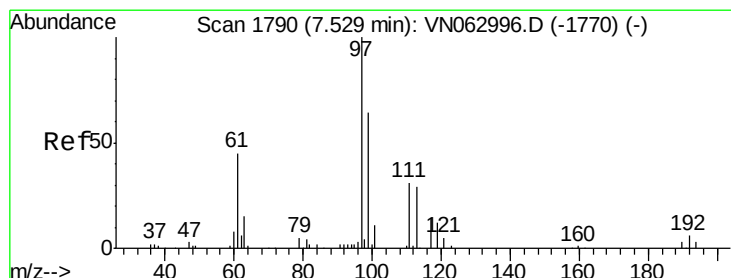
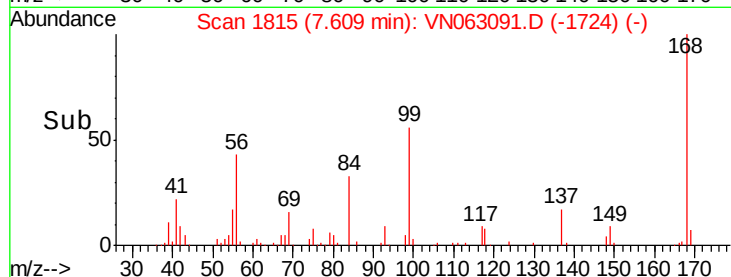
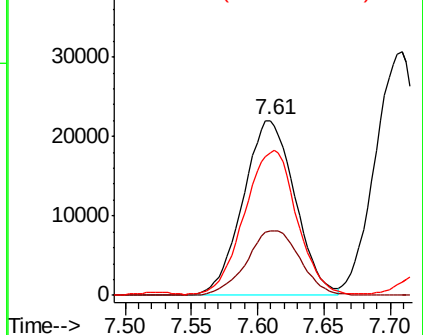
#31
Cyclohexane
Concen: 19.410 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.01 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

Tot Ion: 56 Resp: 60206
Ion Ratio Lower Upper
56 100
69 36.9 26.6 40.0
84 80.3 66.4 99.6

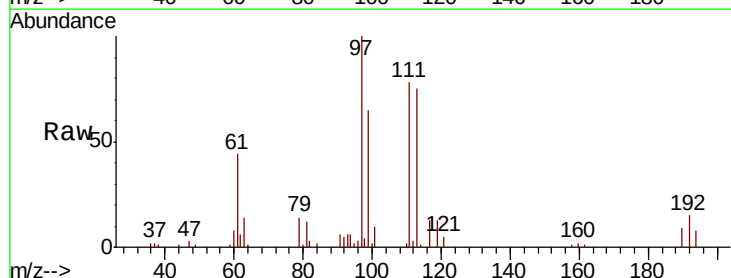


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

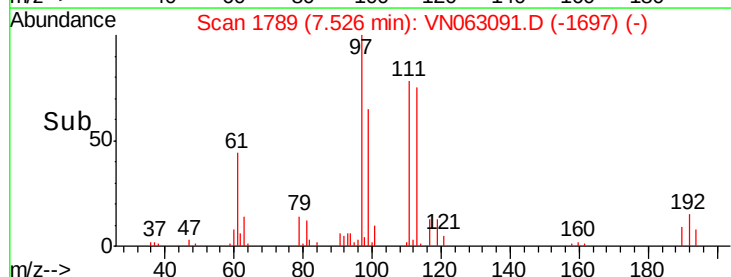
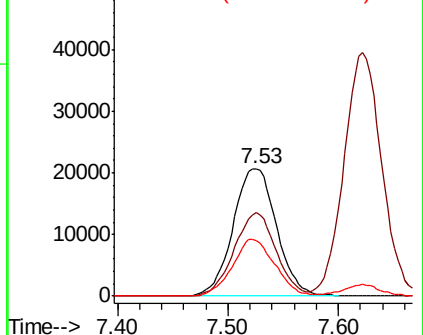


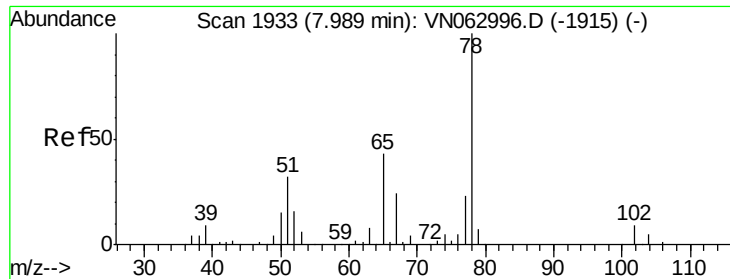
#32
1,1,1-Trichloroethane
Concen: 20.441 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion: 97 Resp: 56639
Ion Ratio Lower Upper
97 100
99 63.3 52.0 78.0
61 43.5 36.2 54.4



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

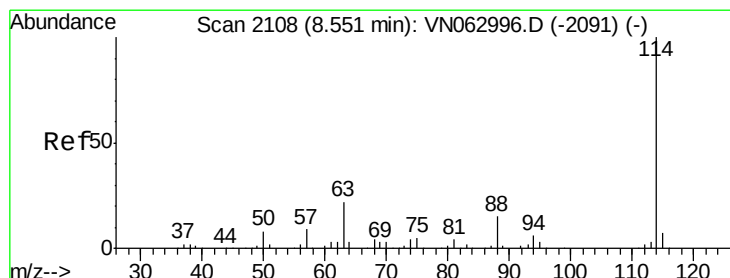
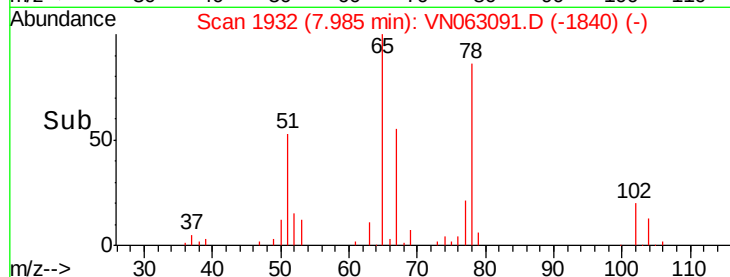
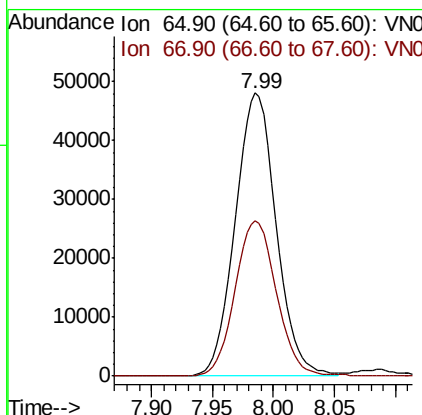
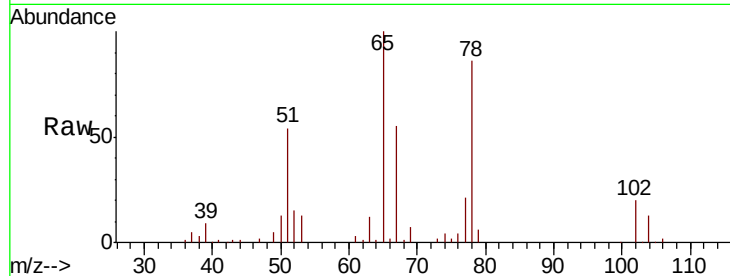




#33
 1,2-Dichloroethane-d4
 Concen: 53.111 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

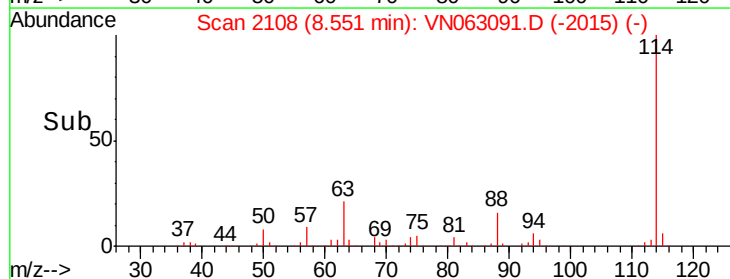
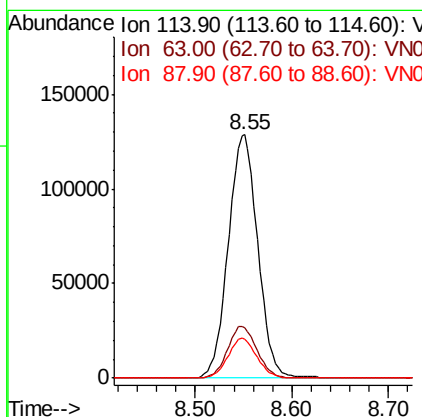
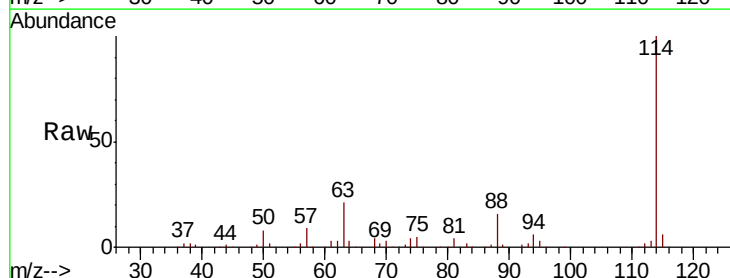
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

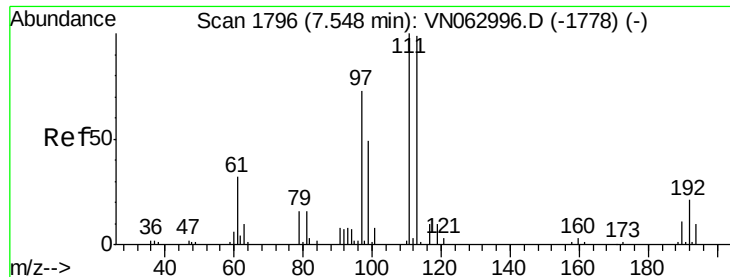
Tot Ion: 65 Resp: 111772
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion: 114 Resp: 272461
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 43.2
 88 15.9 0.0 30.6

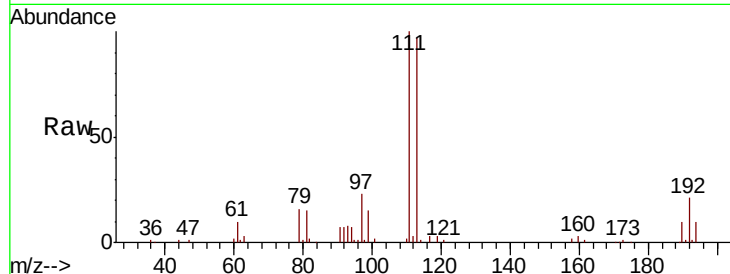




#35
 Dibromofluoromethane
 Concen: 51.115 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.7	122.5
192	22.4	17.5	26.3

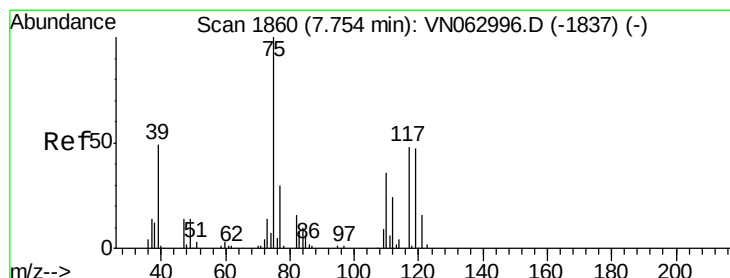
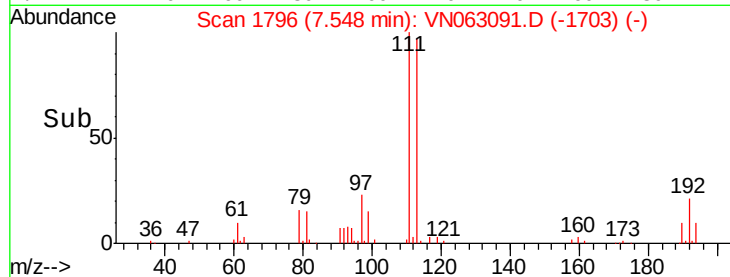
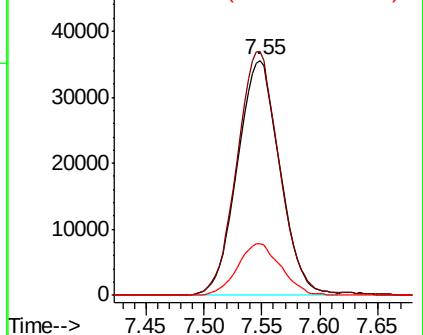


Abundance

Ion 112.80 (112.50 to 113.50): V

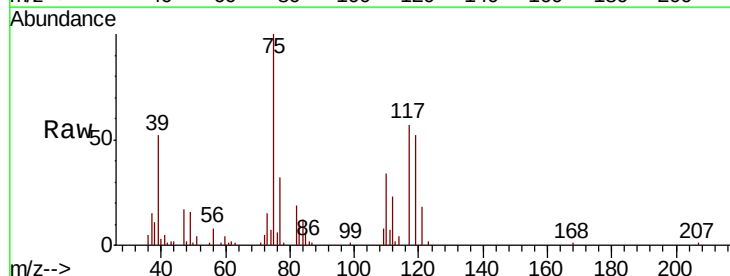
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.802 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.5	52.6
77	30.8	24.2	36.4

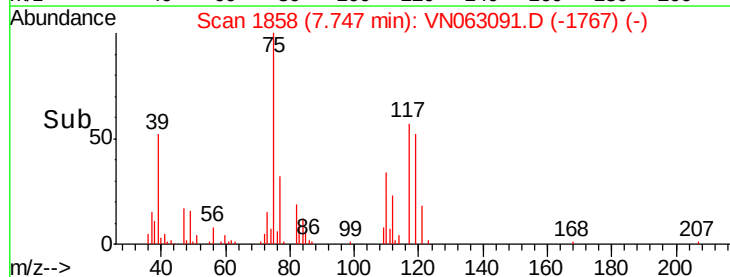
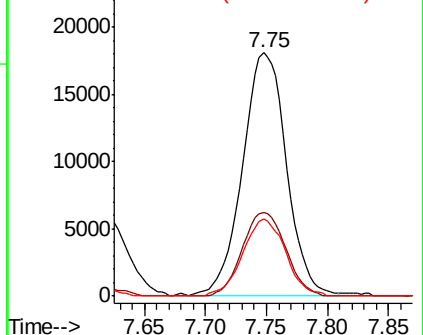


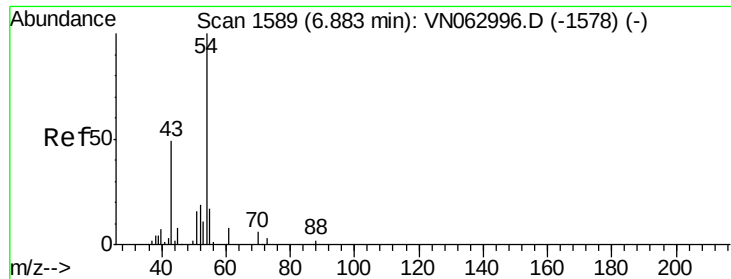
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

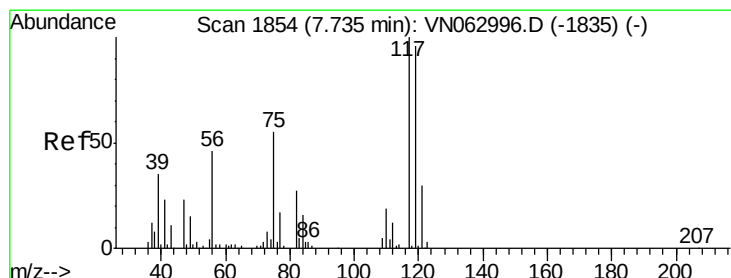
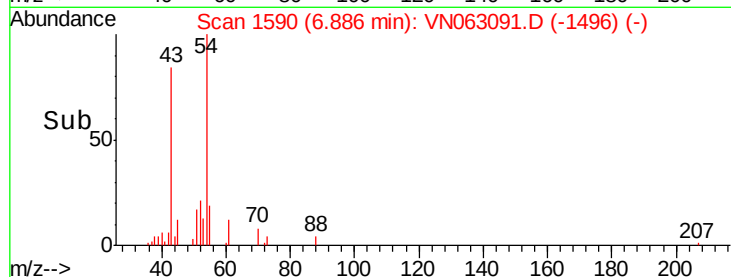
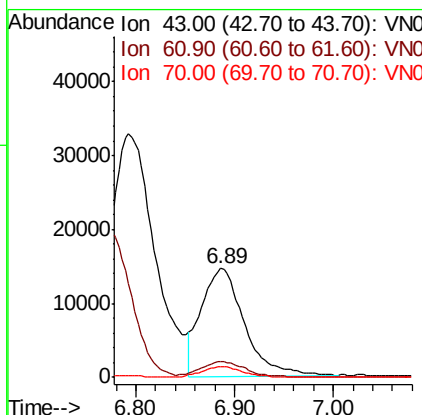
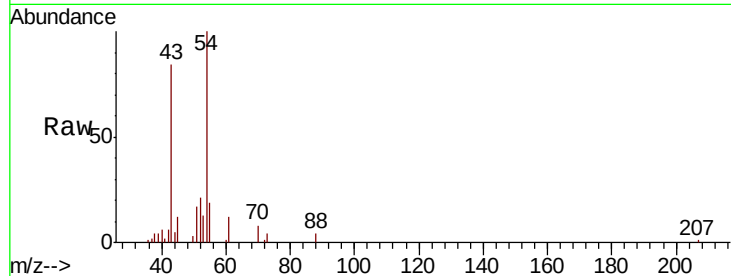




#37
Ethyl Acetate
Concen: 19.584 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

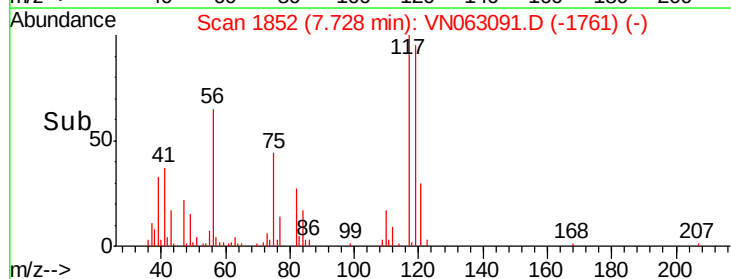
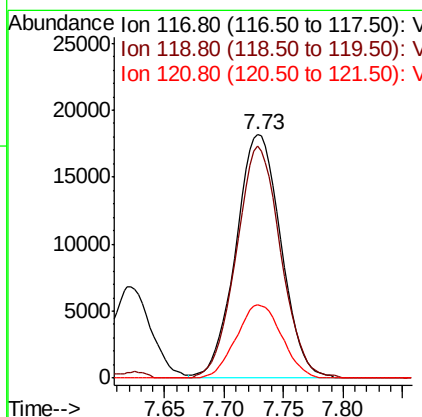
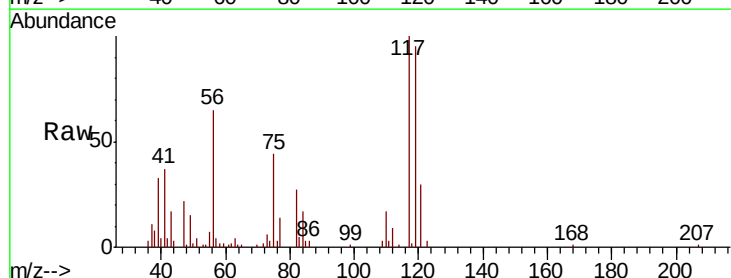
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

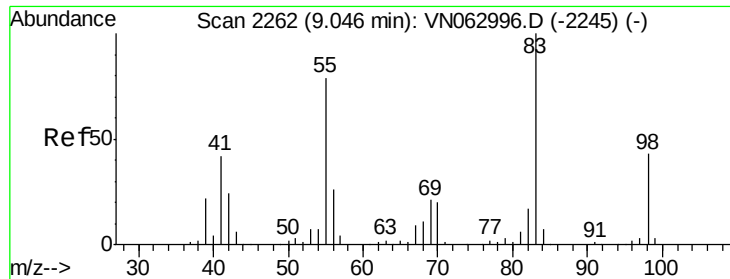
Tot Ion: 43 Resp: 44060
Ion Ratio Lower Upper
43 100
61 12.9 11.8 17.8
70 9.4 8.2 12.2



#38
Carbon Tetrachloride
Concen: 19.705 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion: 117 Resp: 47767
Ion Ratio Lower Upper
117 100
119 95.1 76.2 114.4
121 30.0 24.2 36.2

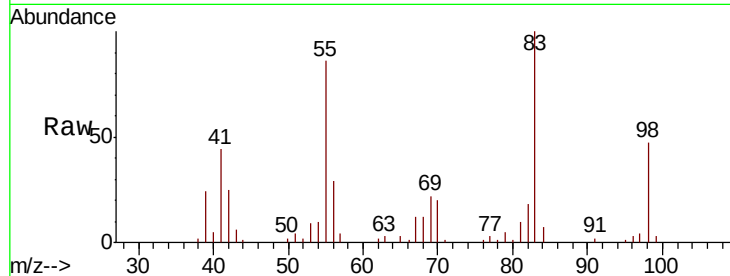




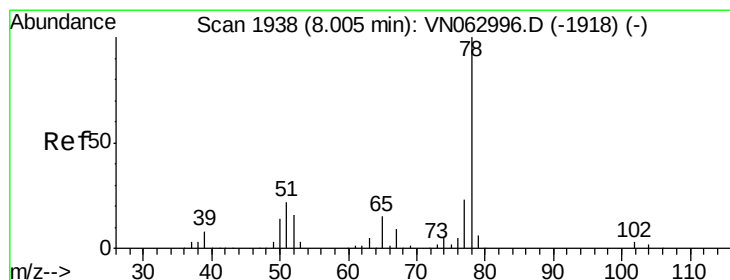
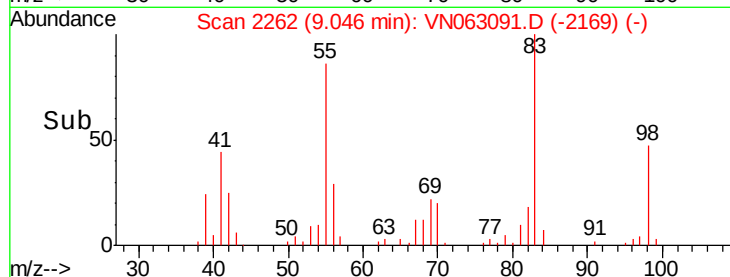
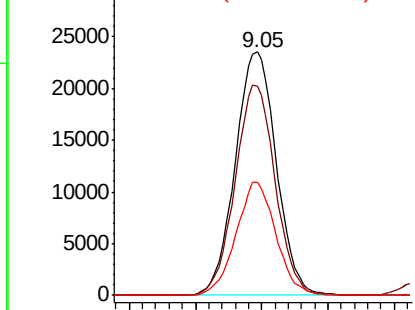
#39
Methylvlcyclohexane
Concen: 16.680 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

Tot Ion: 83 Resp: 50587
Ion Ratio Lower Upper
83 100
55 85.8 63.3 94.9
98 46.6 34.2 51.4

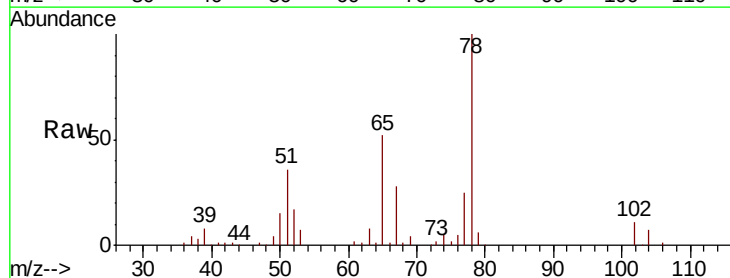


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

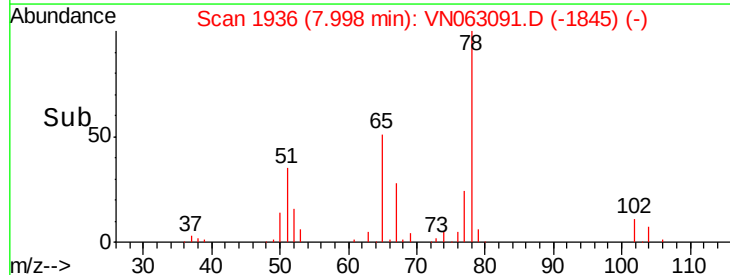
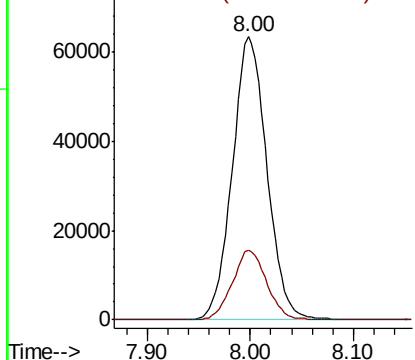


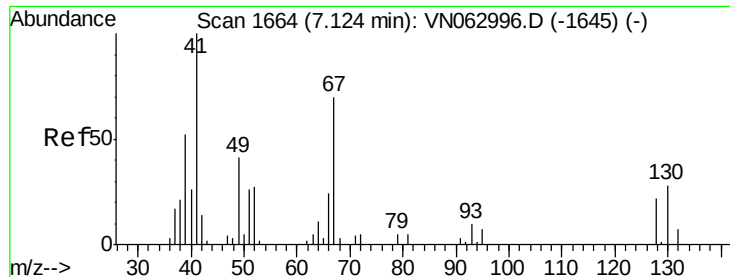
#40
Benzene
Concen: 19.453 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.01 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion: 78 Resp: 148142
Ion Ratio Lower Upper
78 100
77 24.7 18.8 28.2



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

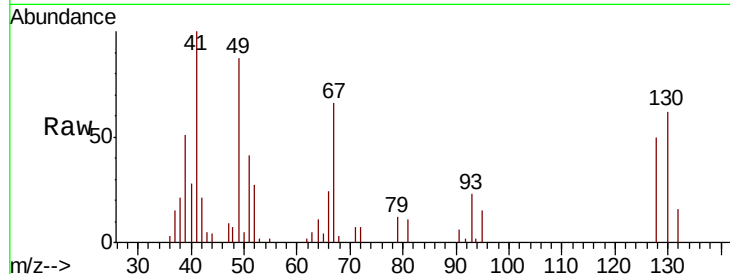




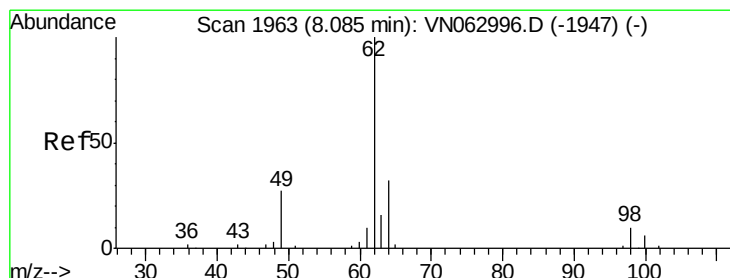
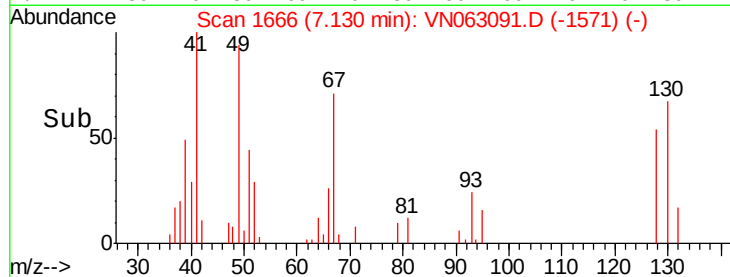
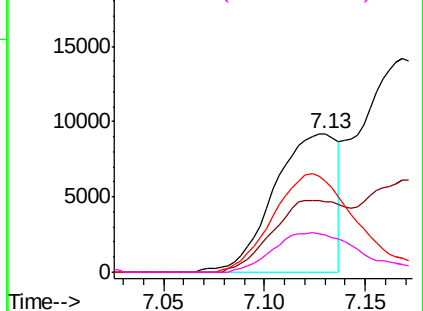
#41
Methacrylonitrile
Concen: 18.629 ug/l
RT: 7.13 min Scan# 1666
Delta R.T. 0.01 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

Tot Ion:	41	Resp:	19969
Ion	Ratio	Lower	Upper
41	100		
39	60.6	41.6	62.4
67	95.0	71.8	107.8
52	40.0	28.2	42.4

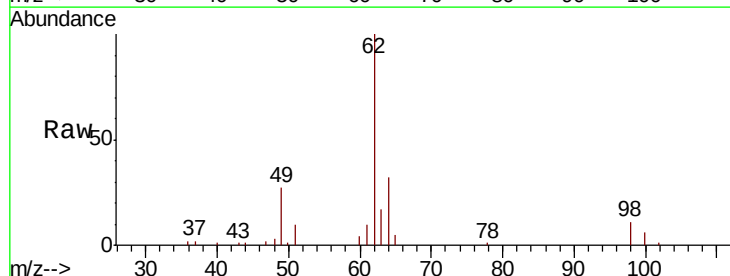


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

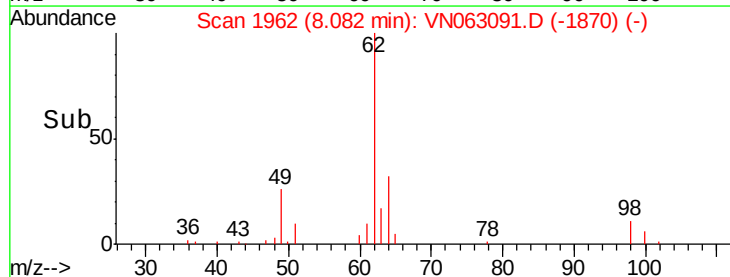
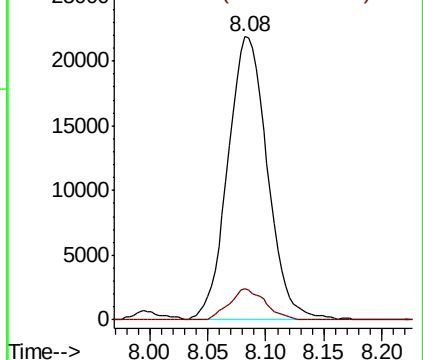


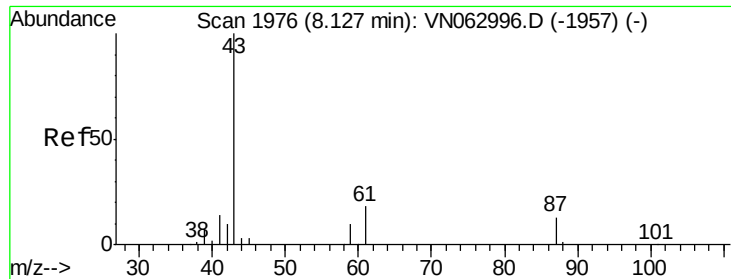
#42
1,2-Dichloroethane
Concen: 20.302 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion:	62	Resp:	51912
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.4



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





#43

Isopropyl Acetate

Concen: 19.686 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

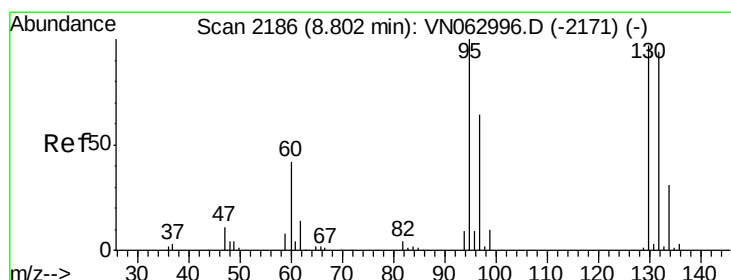
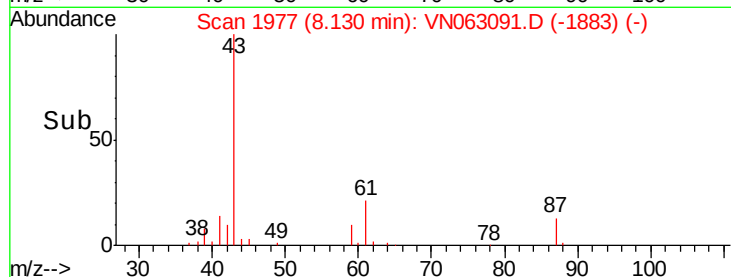
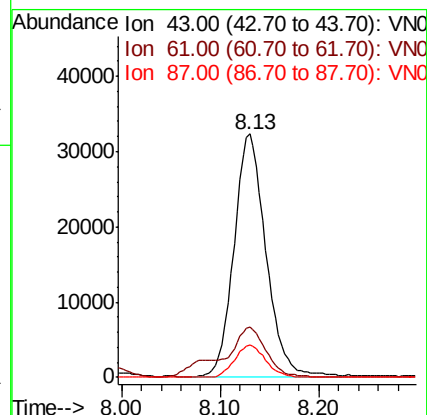
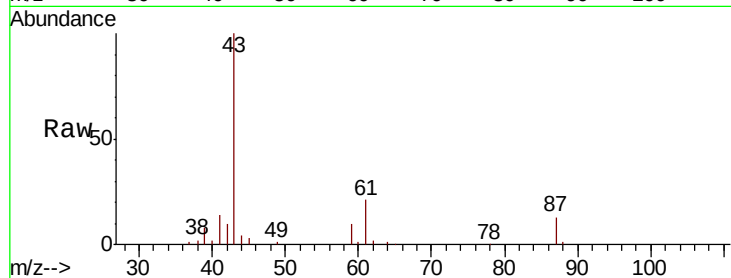
Tot Ion: 43 Resp: 73375

Ion Ratio Lower Upper

43 100

61 27.7 22.6 33.8

87 12.7 10.5 15.7



#44

Trichloroethene

Concen: 19.518 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN063091.D

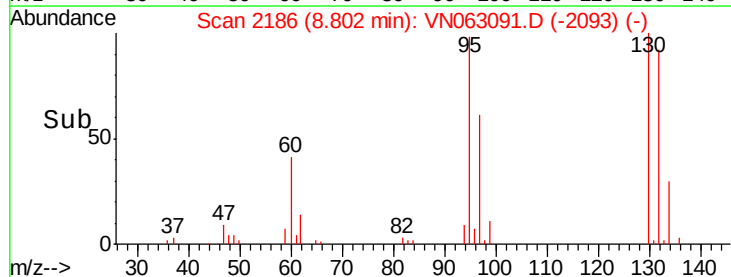
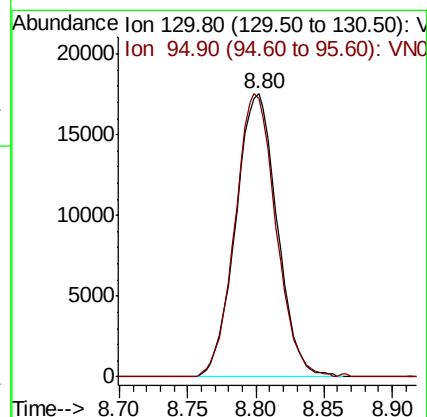
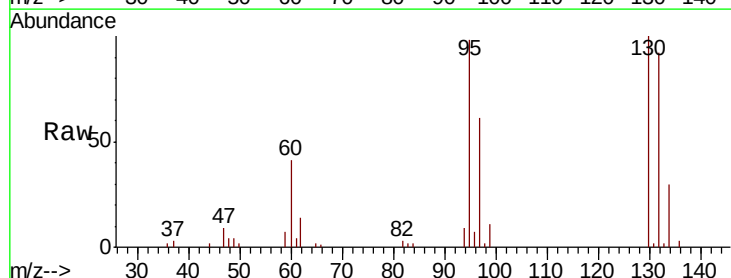
Acq: 24 Aug 2020 13:27

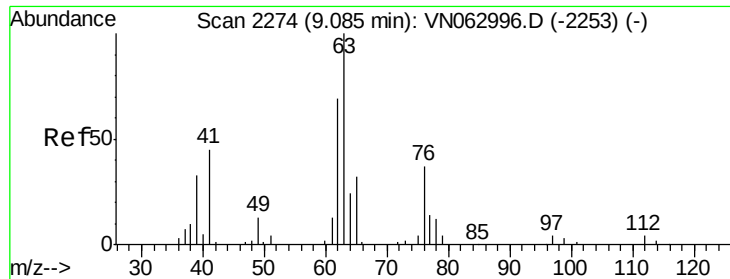
Tgt Ion:130 Resp: 36972

Ion Ratio Lower Upper

130 100

95 98.4 0.0 205.6

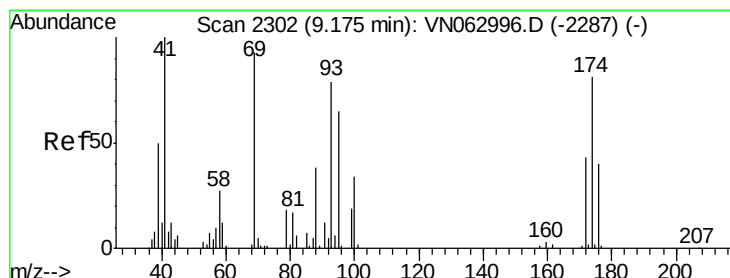
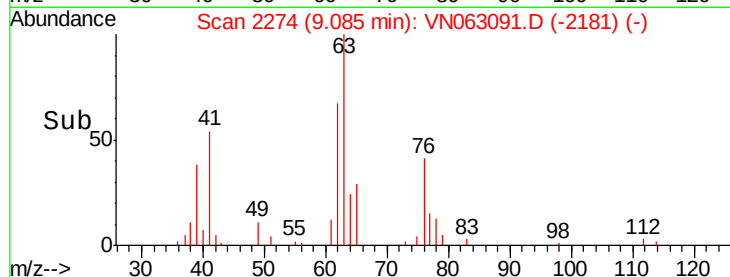
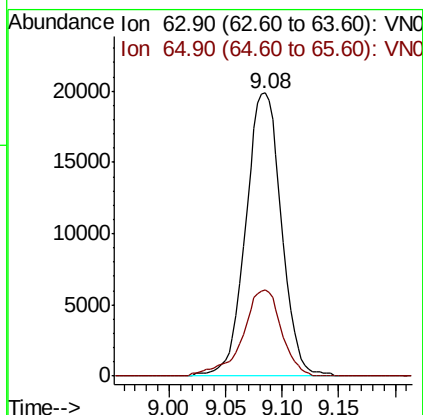
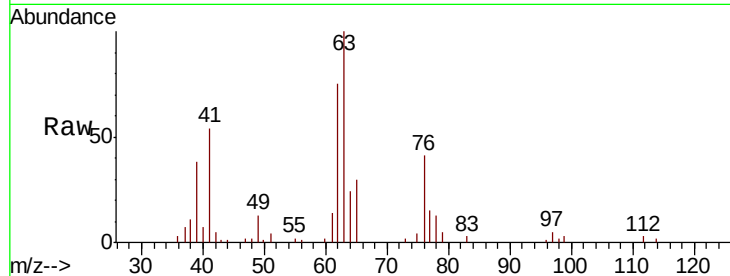




#45
 1,2-Dichloropropane
 Concen: 19.815 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

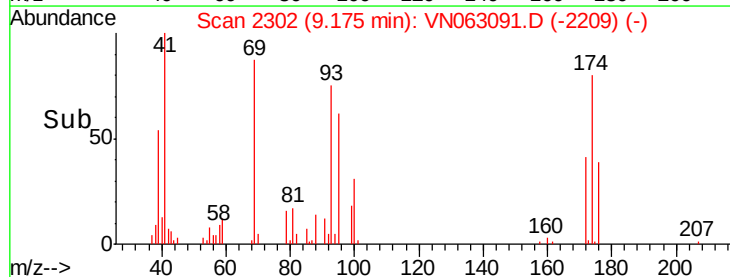
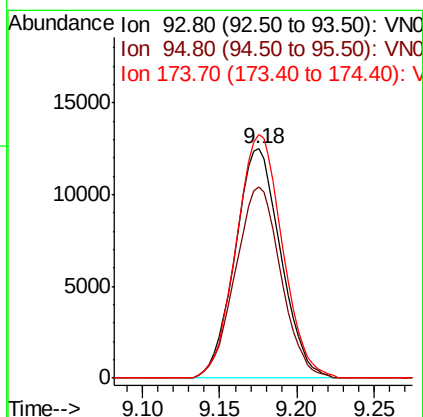
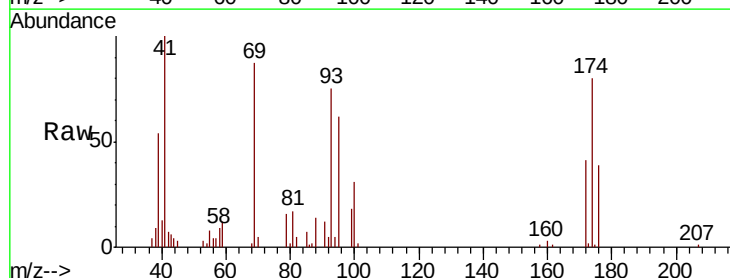
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

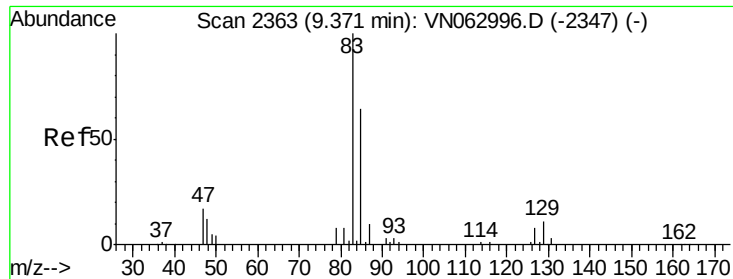
Tot Ion: 63 Resp: 43618
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.6 38.4



#46
 Dibromomethane
 Concen: 20.168 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion: 93 Resp: 25647
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.2 99.4
 174 107.3 84.6 127.0

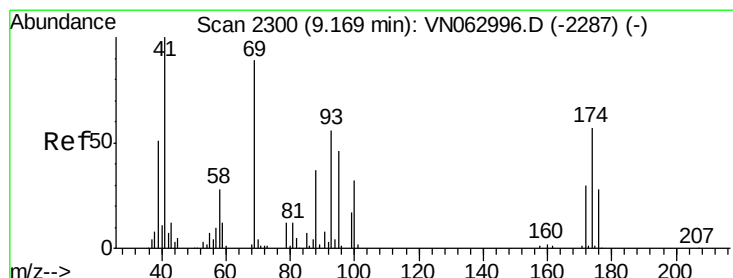
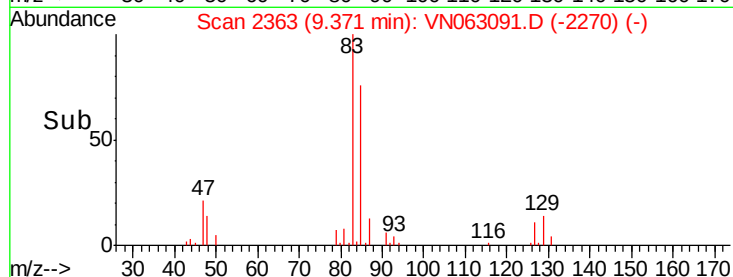
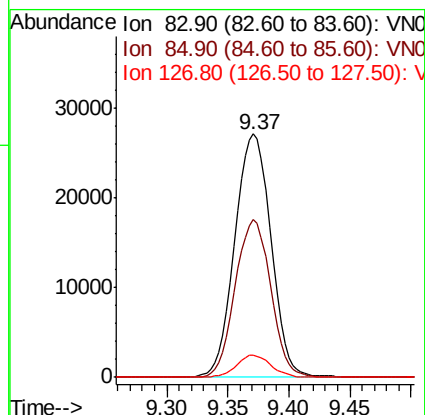
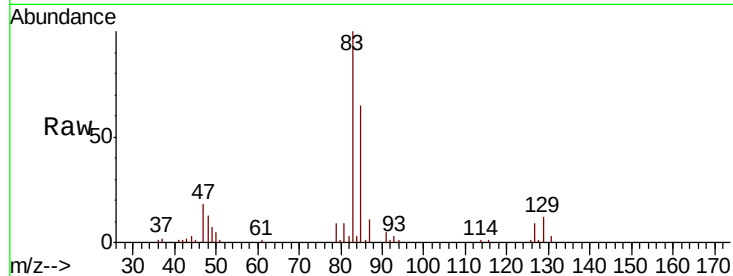




#47
Bromodichloromethane
Concen: 20.029 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

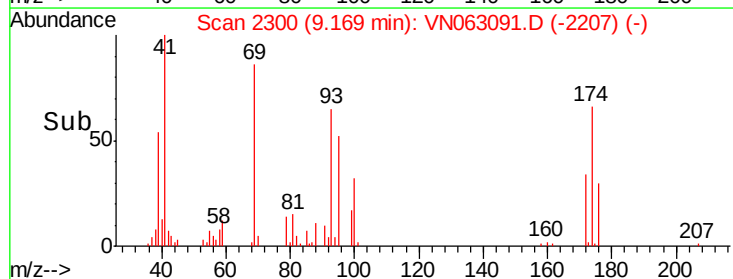
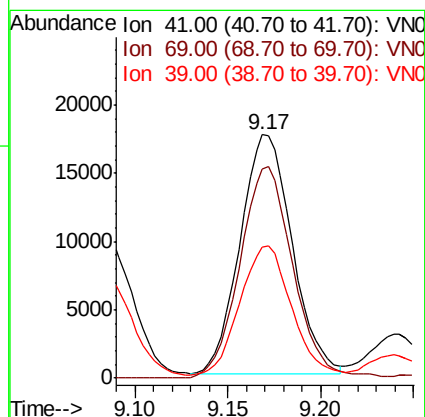
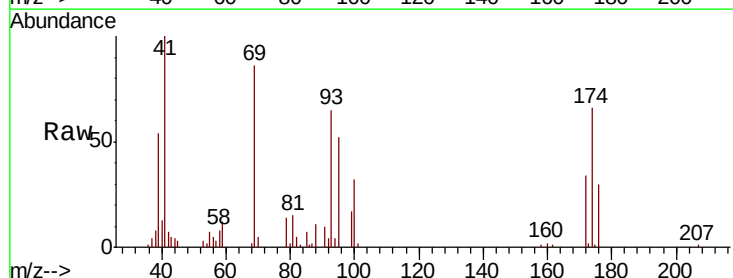
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

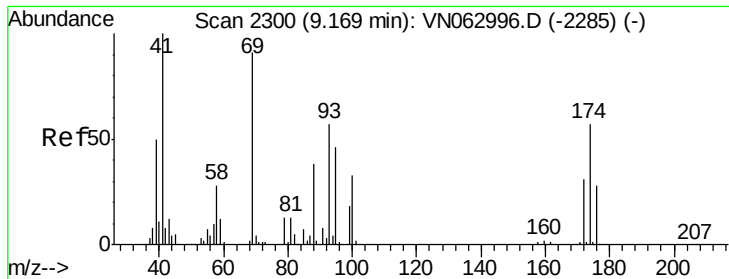
Tot Ion: 83 Resp: 55786
Ion Ratio Lower Upper
83 100
85 64.8 51.1 76.7
127 8.9 6.6 9.8



#48
Methyl methacrylate
Concen: 19.419 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion: 41 Resp: 34246
Ion Ratio Lower Upper
41 100
69 90.0 74.2 111.4
39 54.8 42.5 63.7





#49

1,4-Dioxane

Concen: 133.510 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.01 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

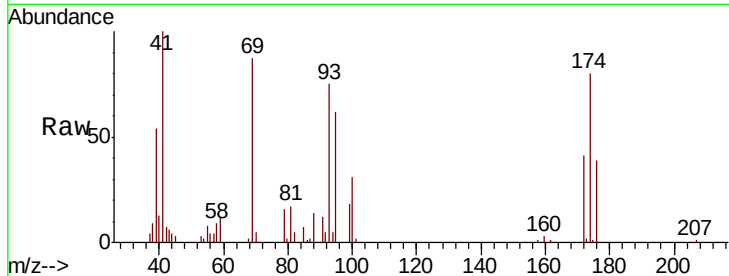
Tot Ion: 88 Resp: 4659

Ion Ratio Lower Upper

88 100

43 53.3 25.2 37.8#

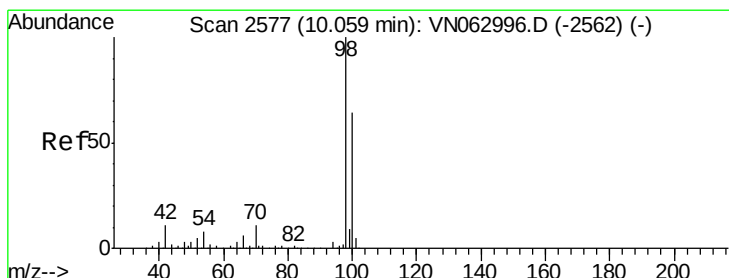
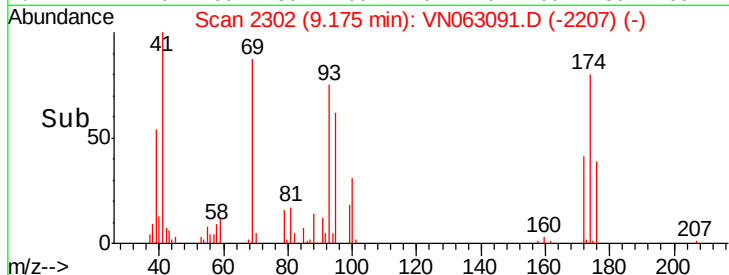
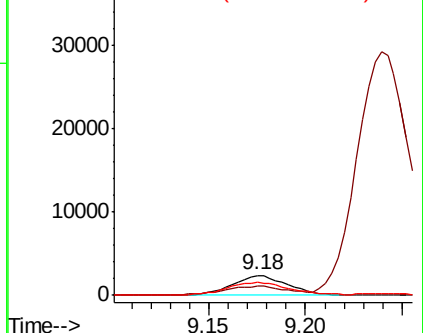
58 74.7 56.7 85.1



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.365 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063091.D

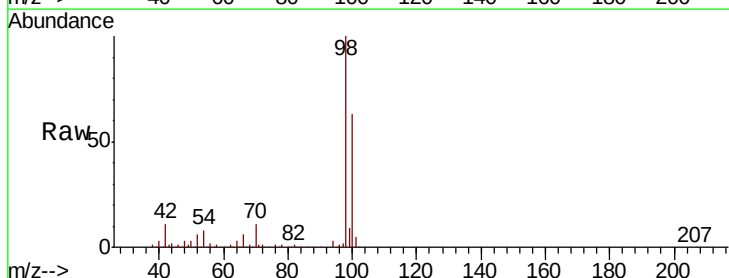
Acq: 24 Aug 2020 13:27

Tgt Ion: 98 Resp: 357084

Ion Ratio Lower Upper

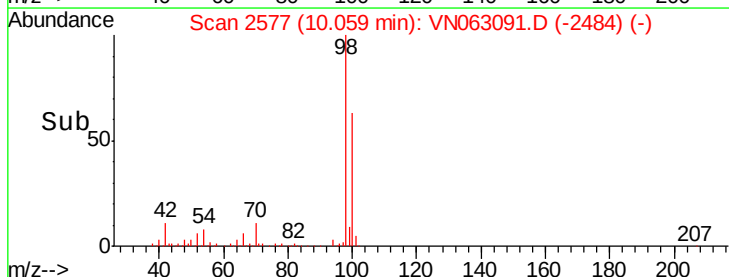
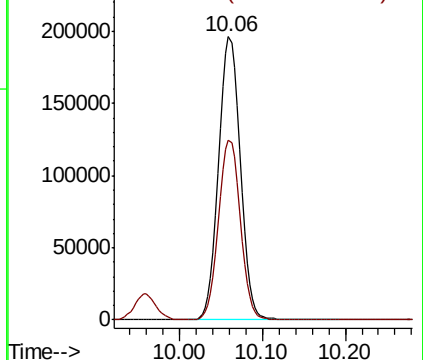
98 100

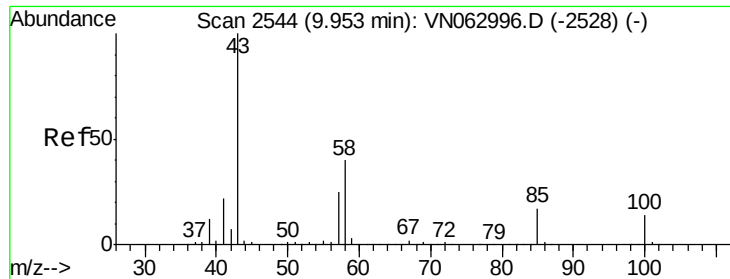
100 63.7 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 101.554 ug/l

RT: 9.96 min Scan# 2545

Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

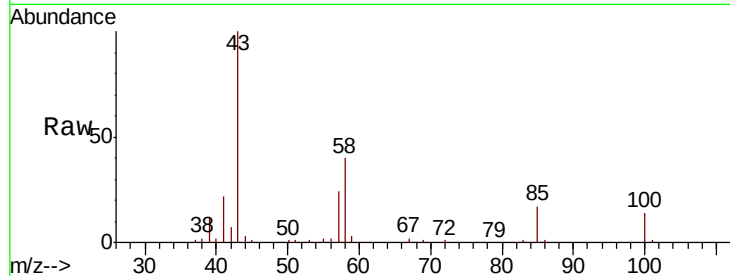
VN0824MBS01

Tot Ion: 43 Resp: 239258

Ion Ratio Lower Upper

43 100

58 39.1 32.2 48.2



Abundance Ion 43.00 (42.70 to 43.70): VN062996.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN062996.D (-2528) (-)

9.96

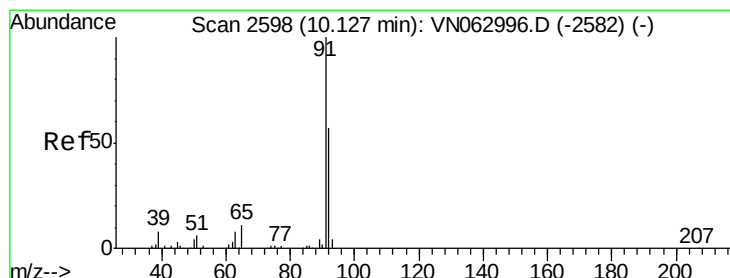
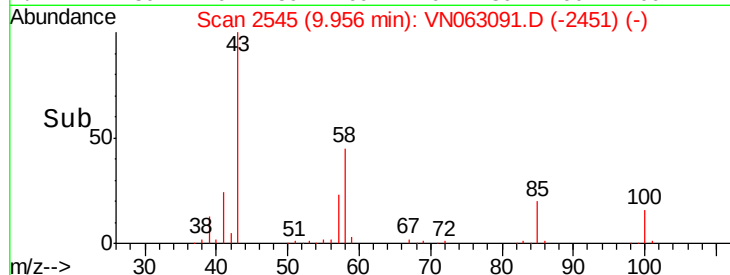
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.277 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063091.D

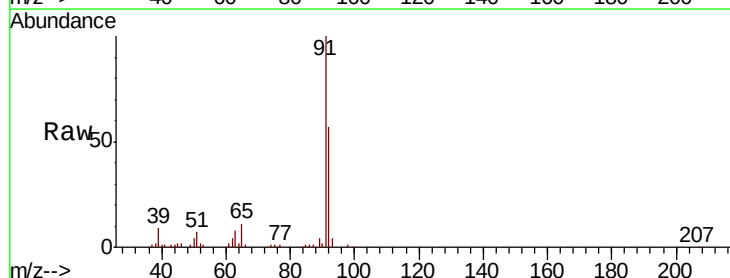
Acq: 24 Aug 2020 13:27

Tgt Ion: 92 Resp: 93149

Ion Ratio Lower Upper

92 100

91 177.0 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN062996.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062996.D (-2582) (-)

10.12

100000

80000

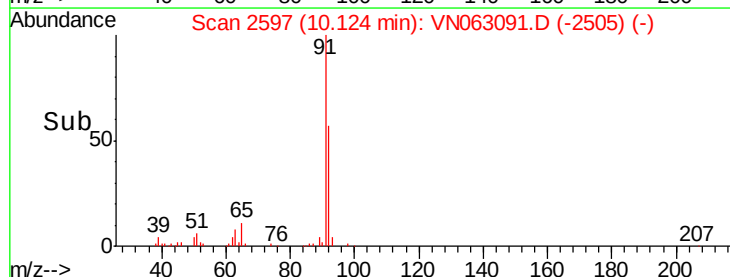
60000

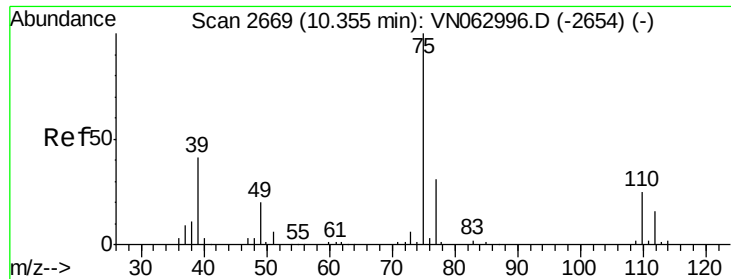
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.116 ug/l

RT: 10.36 min Scan# 2669

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

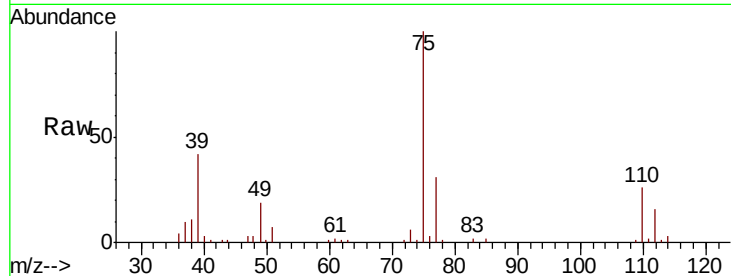
VN0824MBS01

Tot Ion: 75 Resp: 57940

Ion Ratio Lower Upper

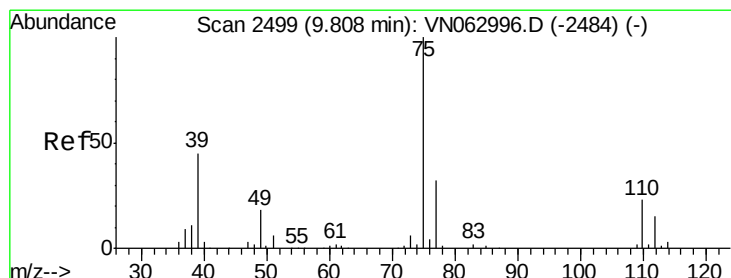
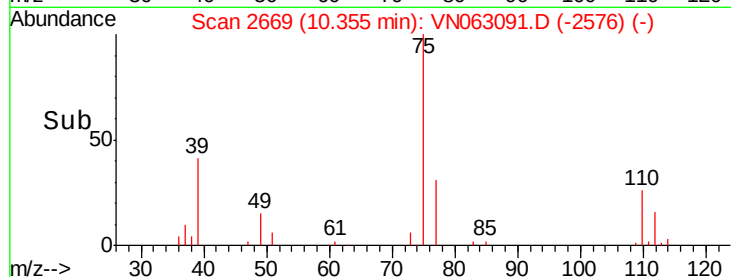
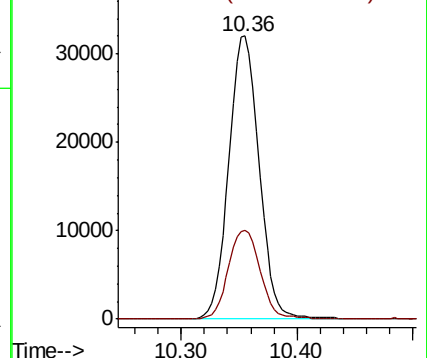
75 100

77 31.4 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.320 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

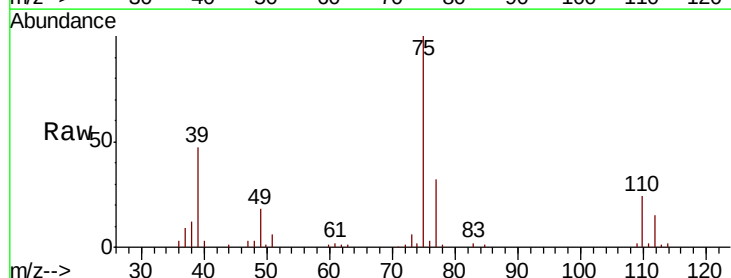
Tgt Ion: 75 Resp: 64205

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2

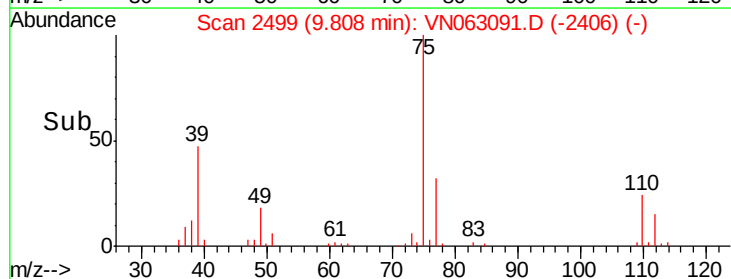
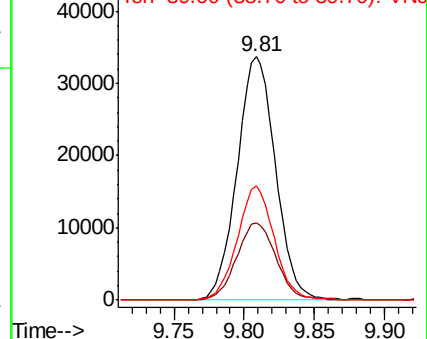
39 46.9 35.7 53.5

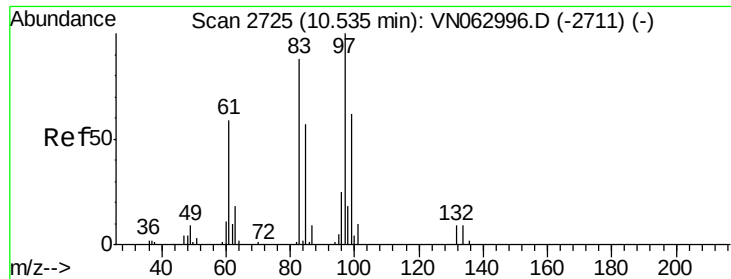


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 21.013 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

Tot Ion: 97 Resp: 41276

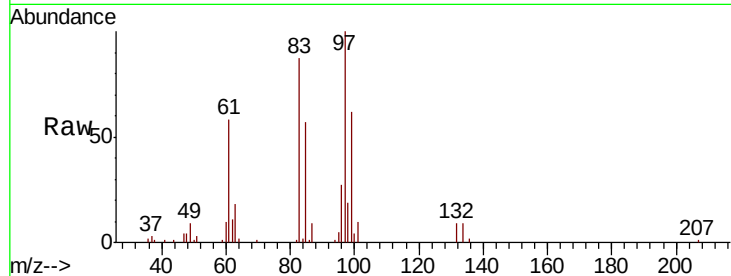
Ion Ratio Lower Upper

97 100

83 87.2 70.5 105.7

85 56.9 45.8 68.6

99 62.4 49.7 74.5

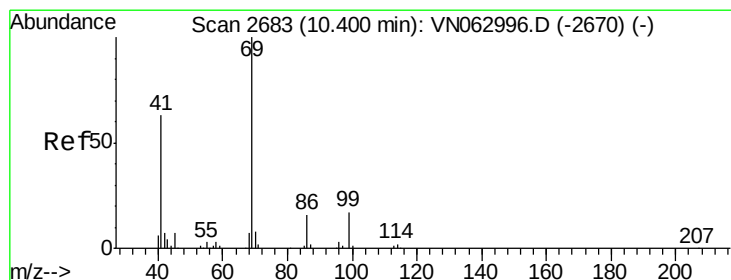
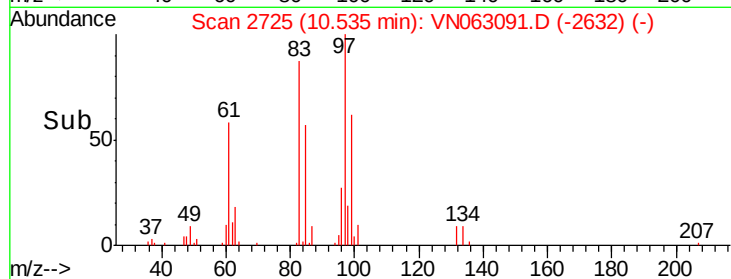
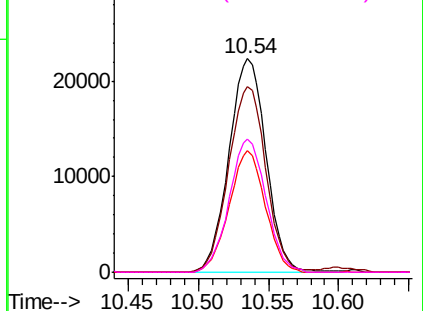


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.798 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

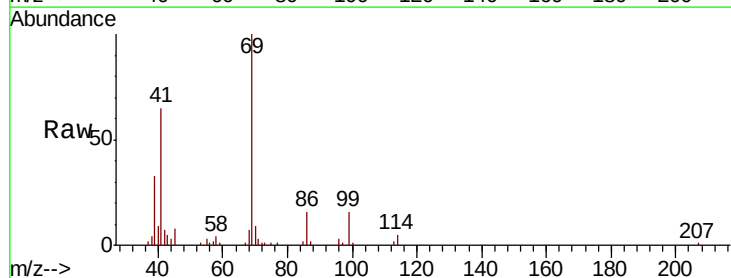
Tgt Ion: 69 Resp: 53616

Ion Ratio Lower Upper

69 100

41 62.8 50.2 75.2

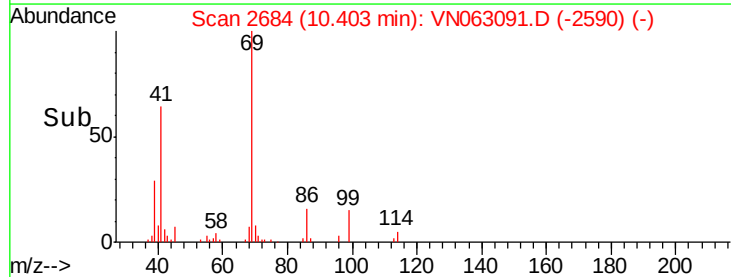
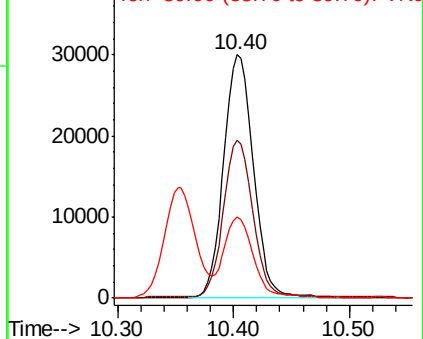
39 33.4 24.2 36.4

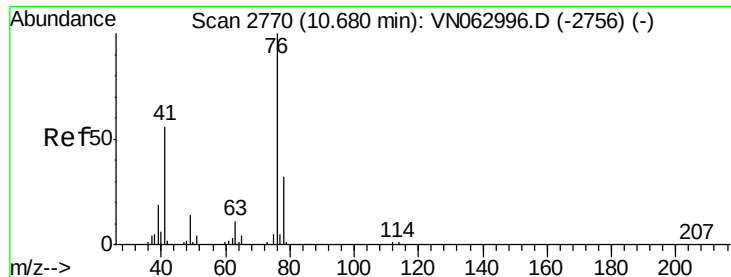


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.412 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

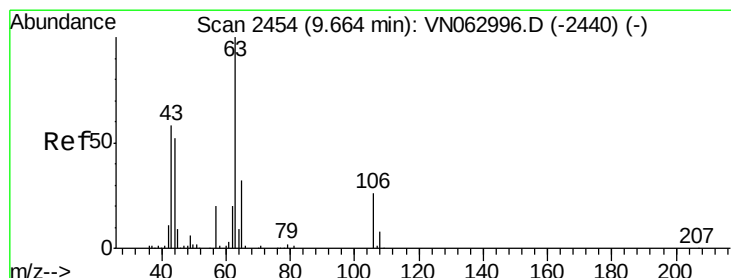
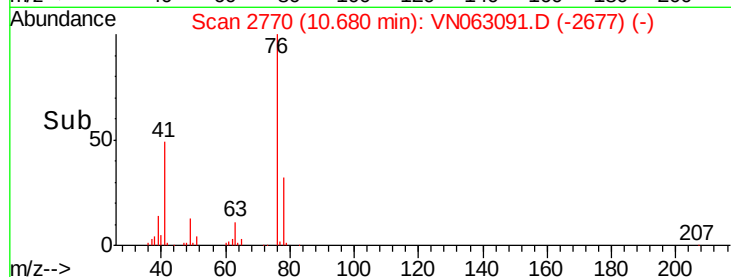
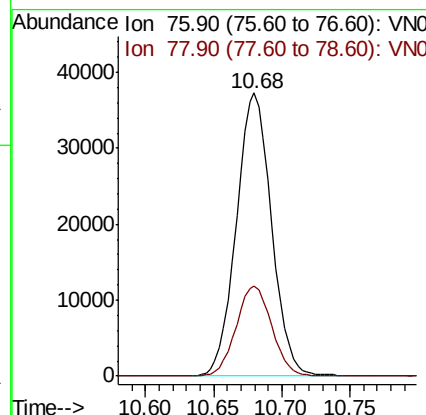
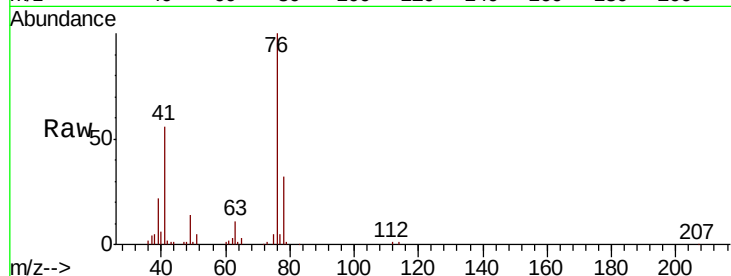
VN0824MBS01

Tot Ion: 76 Resp: 66581

Ion Ratio Lower Upper

76 100

78 32.2 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 98.734 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN063091.D

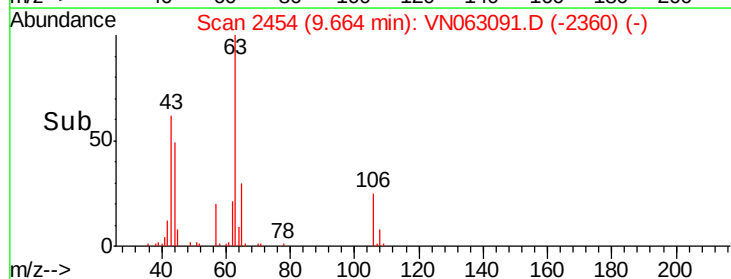
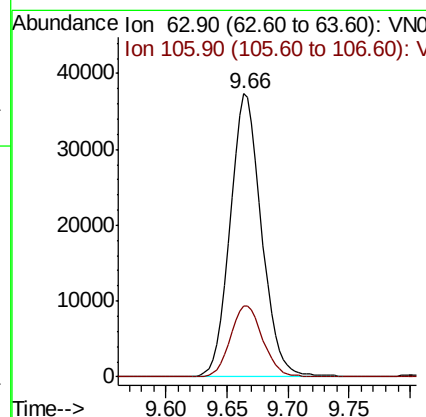
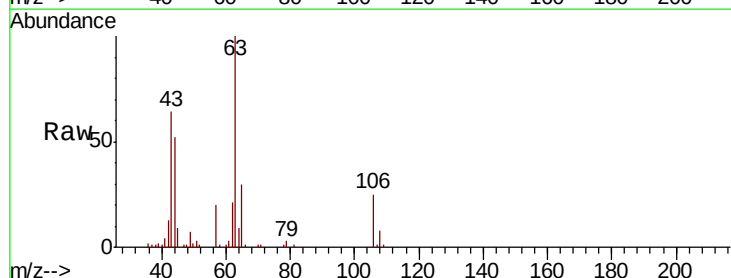
Acq: 24 Aug 2020 13:27

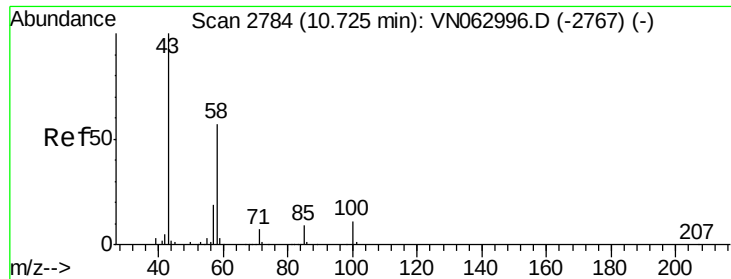
Tgt Ion: 63 Resp: 67099

Ion Ratio Lower Upper

63 100

106 25.6 20.7 31.1

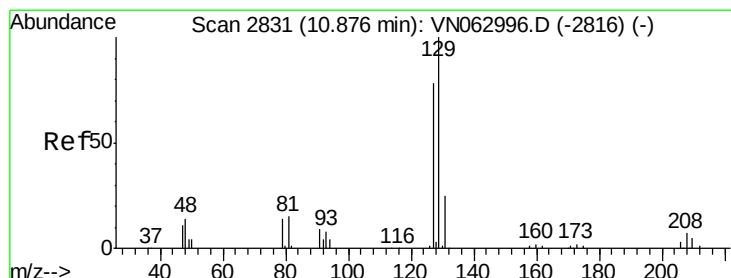
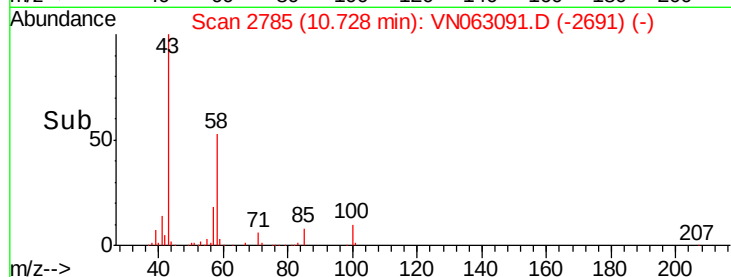
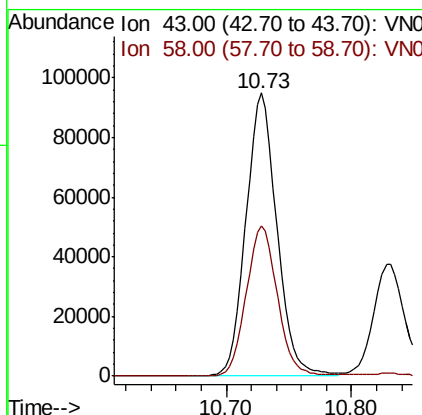
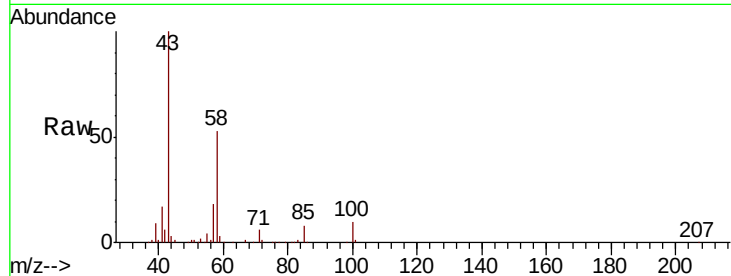




#59
2-Hexanone
Concen: 99.523 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

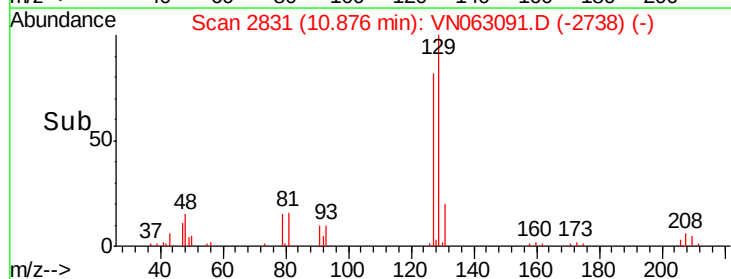
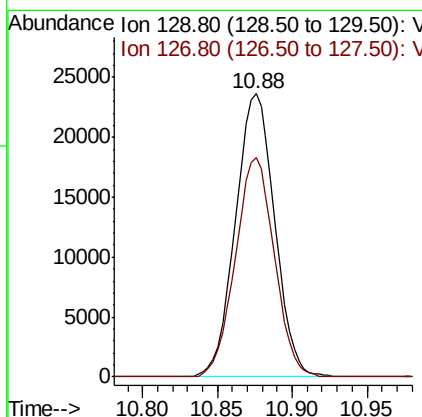
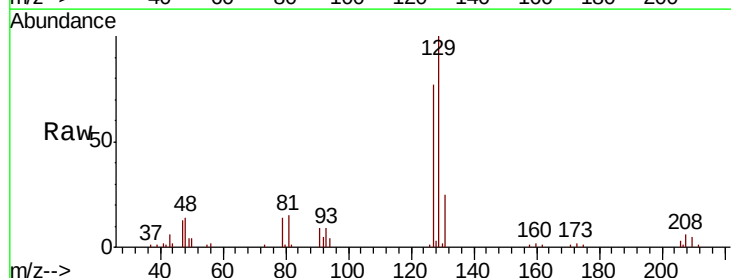
Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

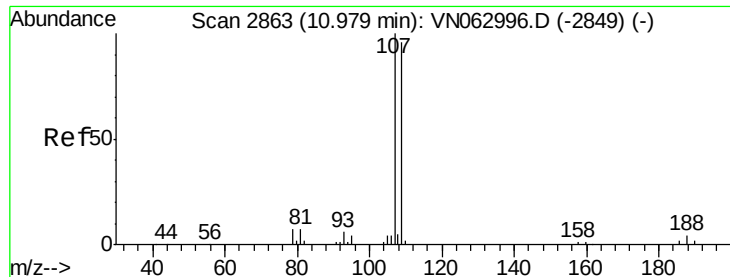
Tot Ion: 43 Resp: 163551
Ion Ratio Lower Upper
43 100
58 53.4 28.1 84.3



#60
Dibromochloromethane
Concen: 19.849 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion: 129 Resp: 43148
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2

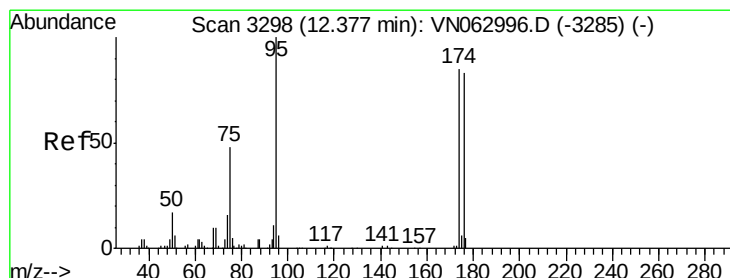
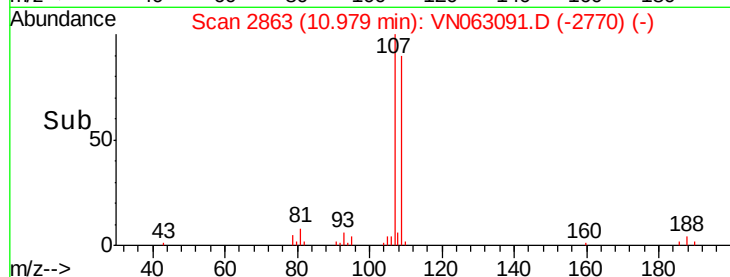
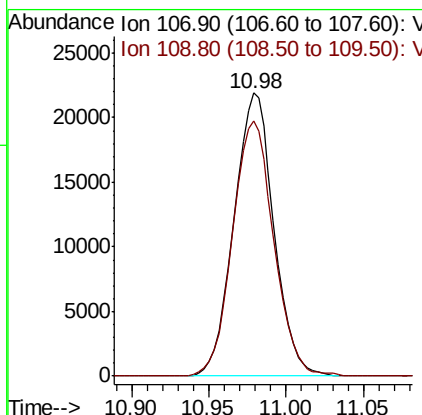
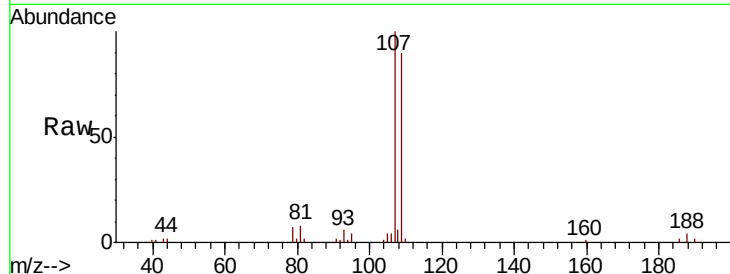




#61
 1,2-Dibromoethane
 Concen: 20.761 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

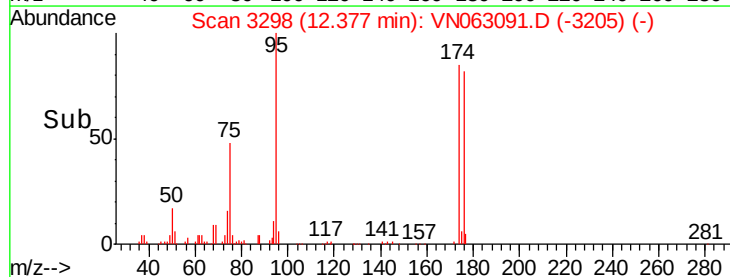
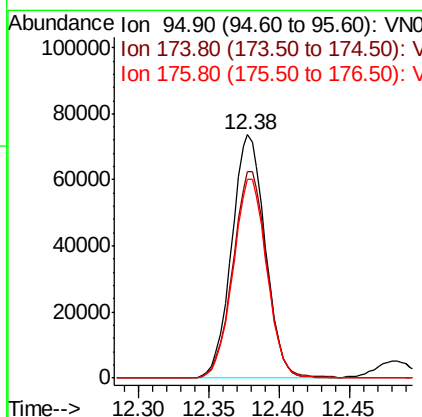
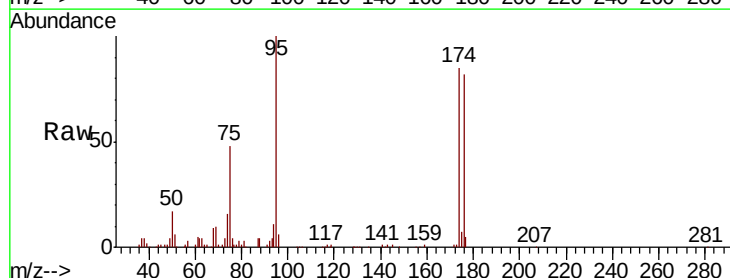
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

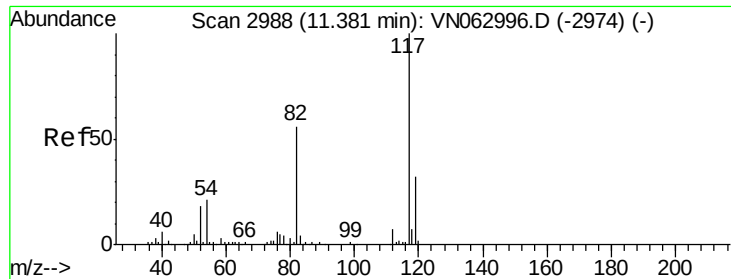
Tot Ion:107 Resp: 39185
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 51.068 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion: 95 Resp: 122890
 Ion Ratio Lower Upper
 95 100
 174 86.4 0.0 170.8
 176 82.4 0.0 164.8

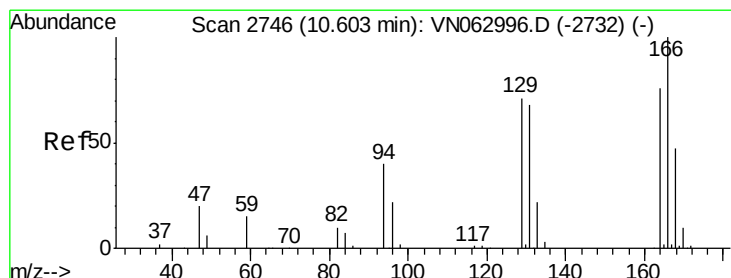
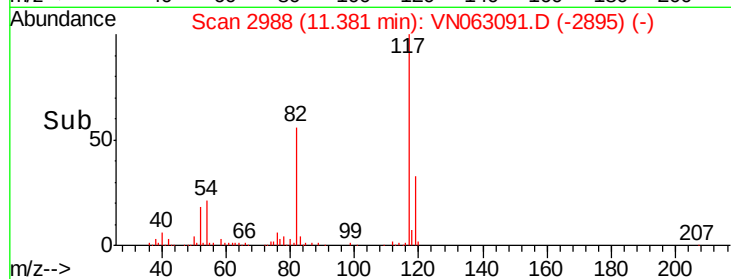
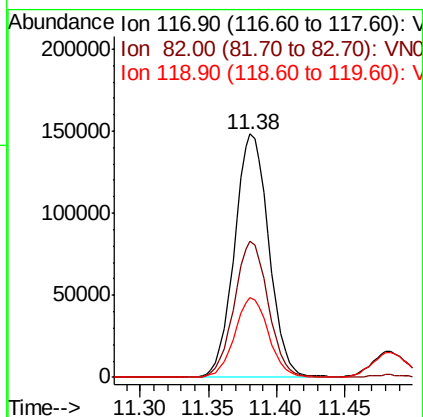
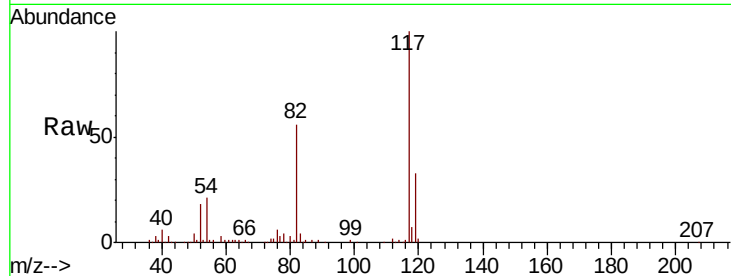




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

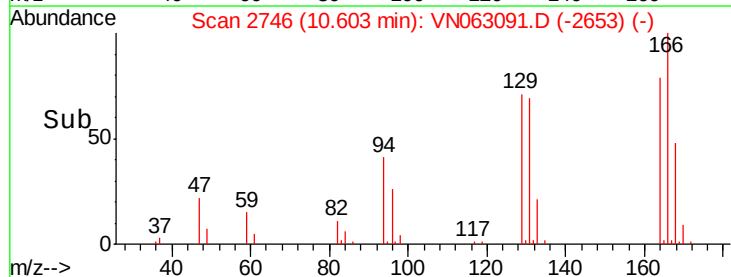
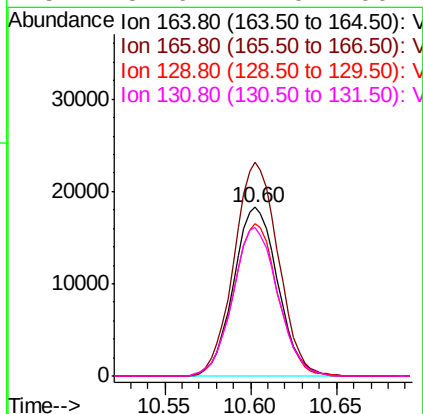
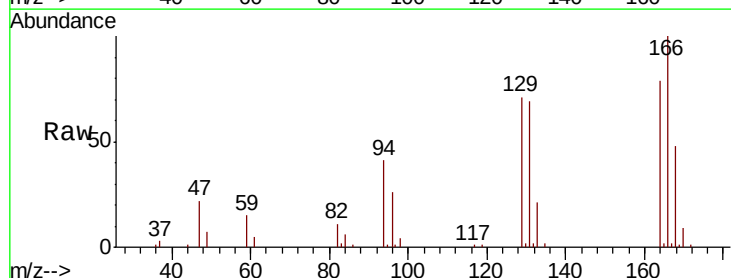
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

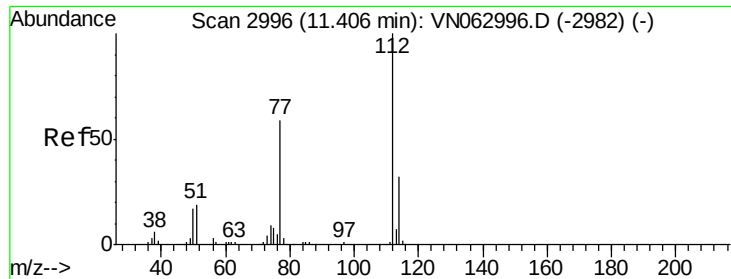
Tot Ion:117 Resp: 259361
Ion Ratio Lower Upper
117 100
82 55.7 44.5 66.7
119 32.7 25.5 38.3



#64
Tetrachloroethene
Concen: 19.144 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion:164 Resp: 32639
Ion Ratio Lower Upper
164 100
166 126.4 105.0 157.6
129 90.0 74.7 112.1
131 87.6 71.0 106.4

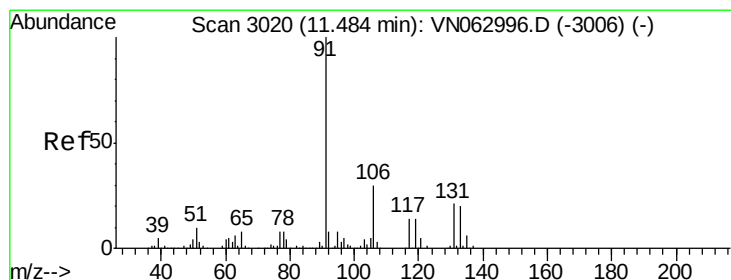
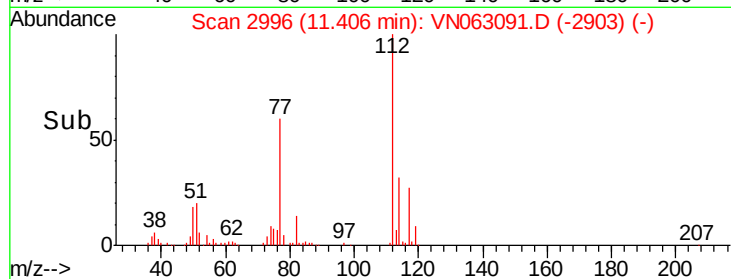
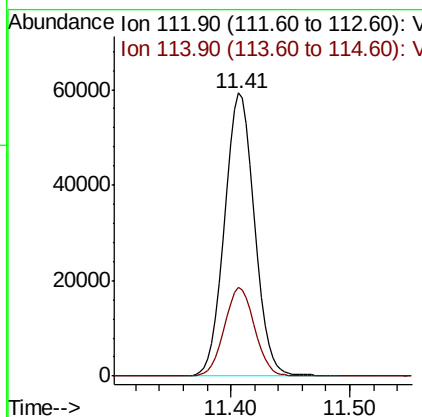
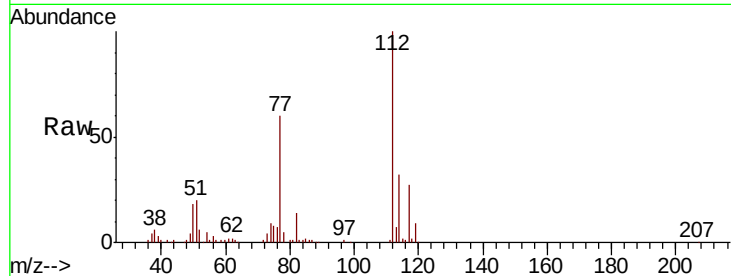




#65
Chlorobenzene
Concen: 19.850 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

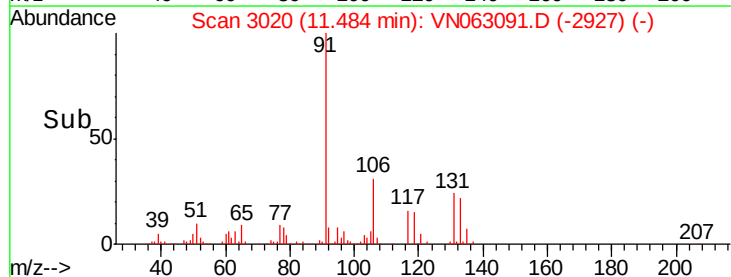
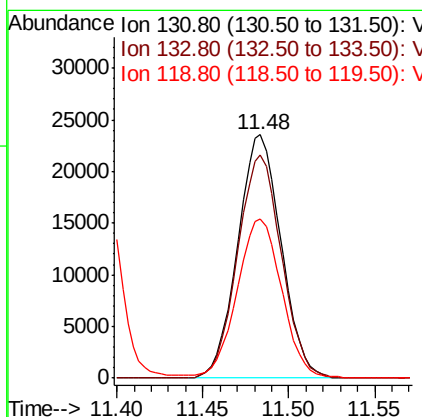
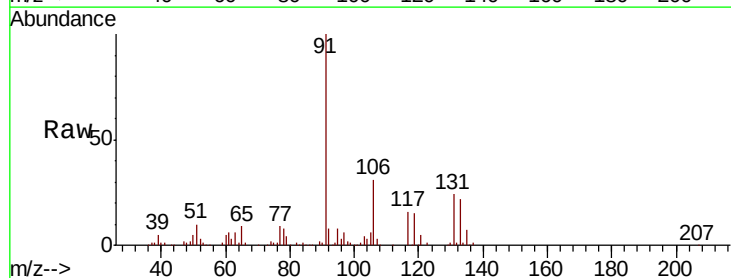
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

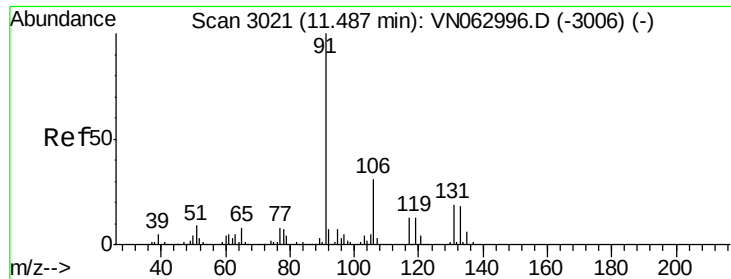
Tot Ion:112 Resp: 103399
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.383 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion:131 Resp: 41298
Ion Ratio Lower Upper
131 100
133 92.7 47.5 142.6
119 67.5 33.1 99.3

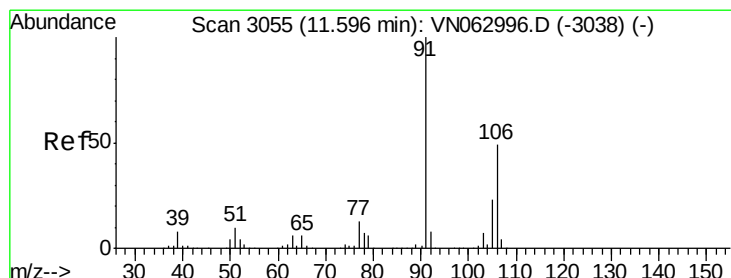
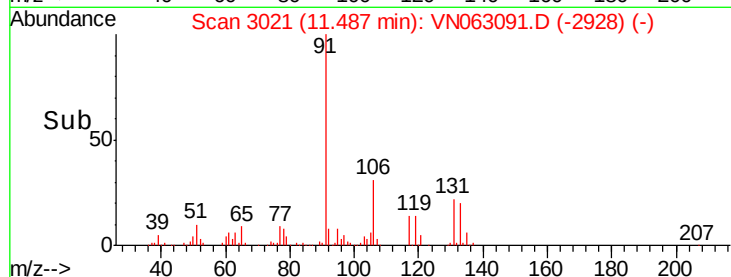
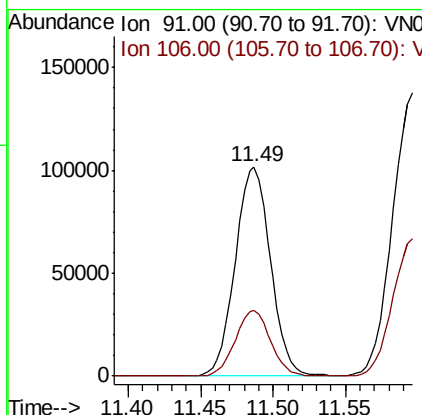
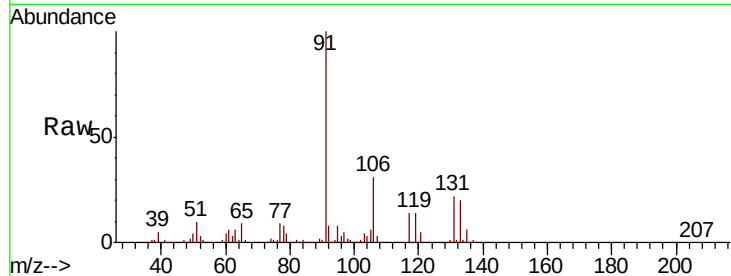




#67
Ethyl Benzene
Concen: 19.625 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

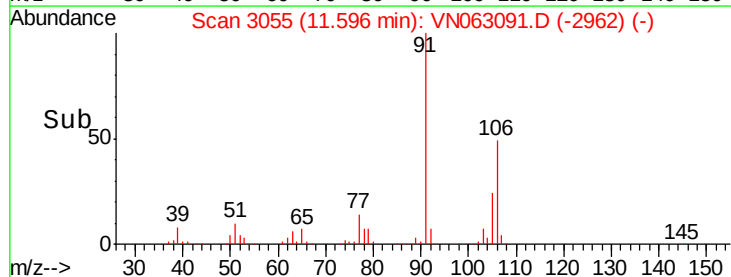
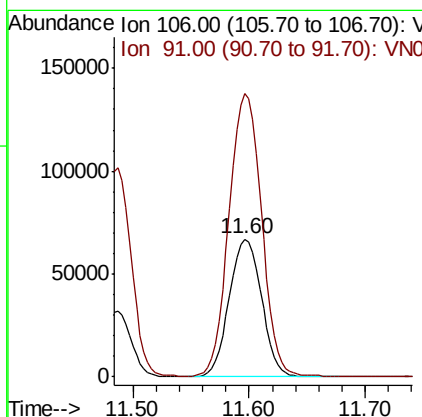
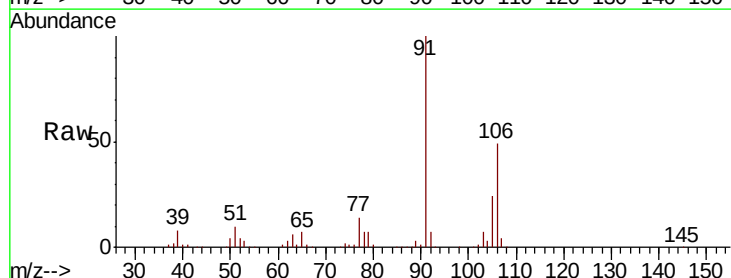
Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

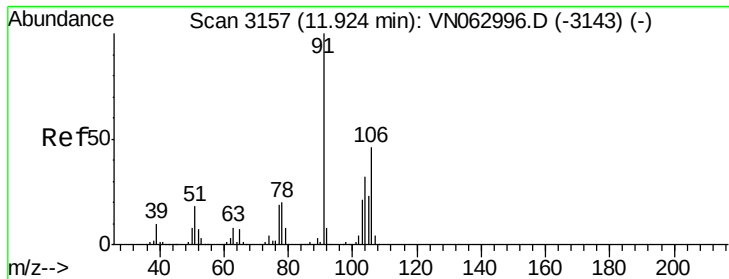
Tot Ion: 91 Resp: 172727
Ion Ratio Lower Upper
91 100
106 31.3 24.6 37.0



#68
m/p-Xylenes
Concen: 39.995 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion: 106 Resp: 130835
Ion Ratio Lower Upper
106 100
91 204.9 163.0 244.4

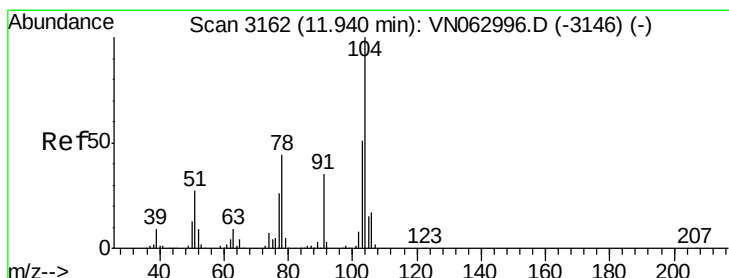
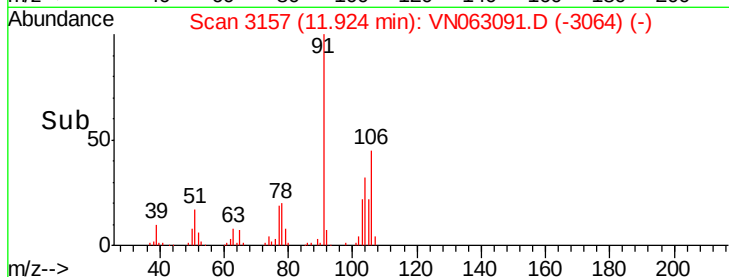
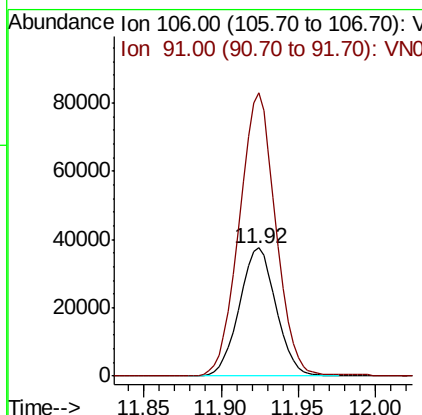
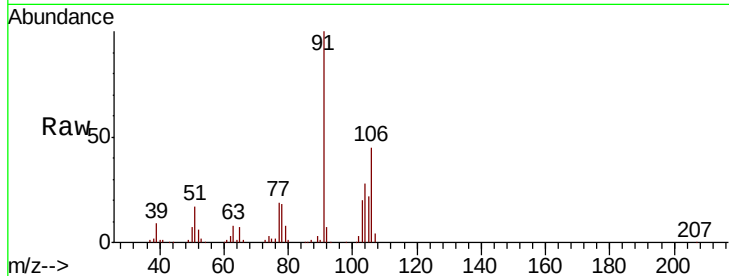




#69
o-Xylene
Concen: 19.835 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

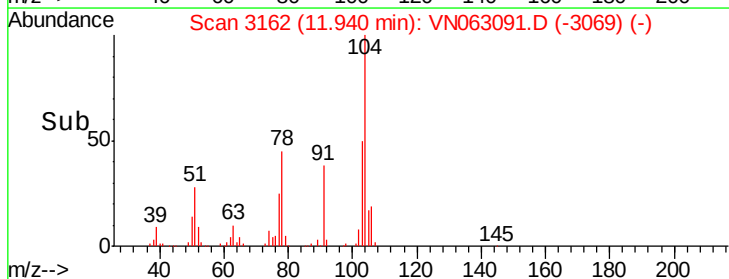
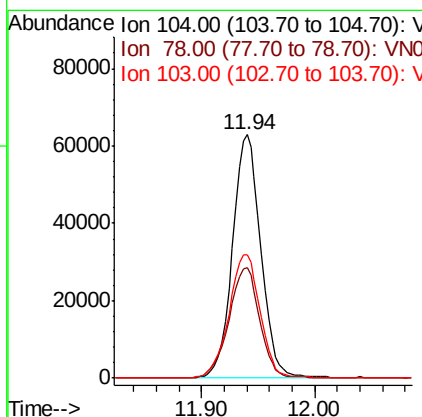
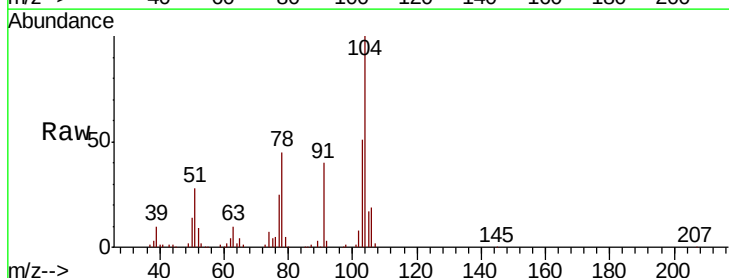
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

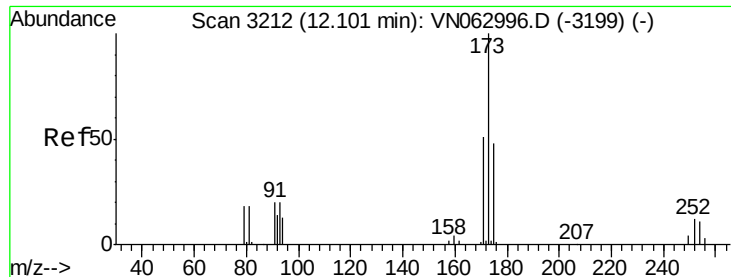
Tot Ion:106 Resp: 62309
Ion Ratio Lower Upper
106 100
91 219.3 107.3 321.9



#70
Styrene
Concen: 18.836 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion:104 Resp: 109649
Ion Ratio Lower Upper
104 100
78 49.6 39.0 58.6
103 55.8 44.3 66.5





#71

Bromoform

Concen: 19.876 ug/l

RT: 12.10 min Scan# 3213

Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

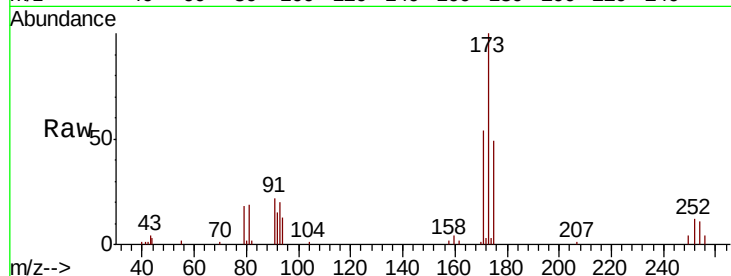
Tot Ion:173 Resp: 32054

Ion Ratio Lower Upper

173 100

175 48.6 24.3 72.8

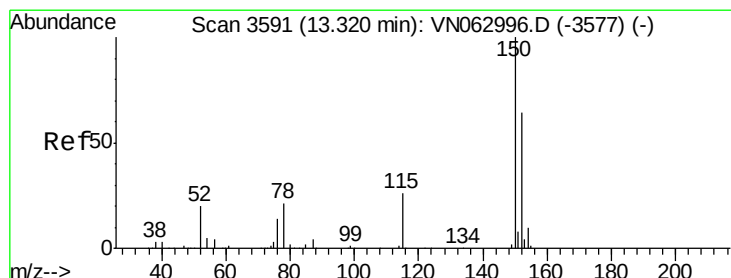
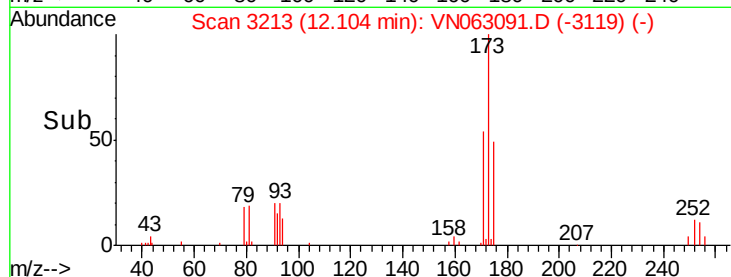
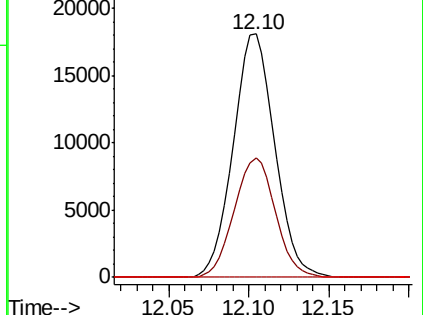
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

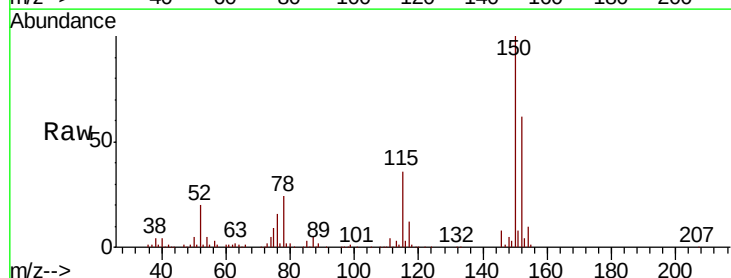
Tgt Ion:152 Resp: 121424

Ion Ratio Lower Upper

152 100

115 58.0 28.7 86.3

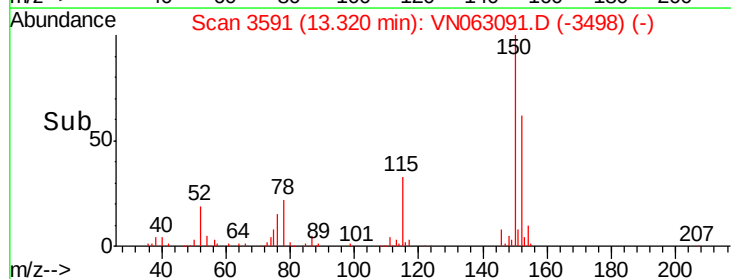
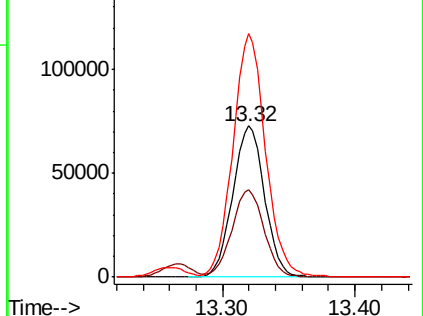
150 164.3 0.0 348.8

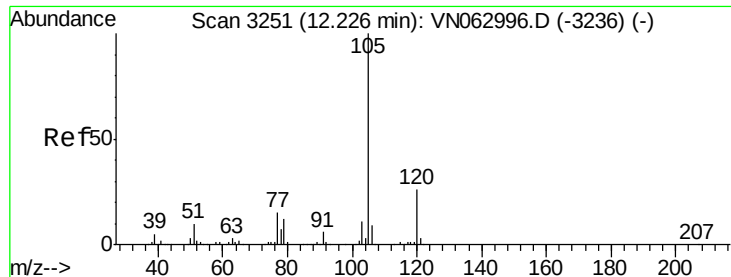


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.340 ug/l

RT: 12.23 min Scan# 3251

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

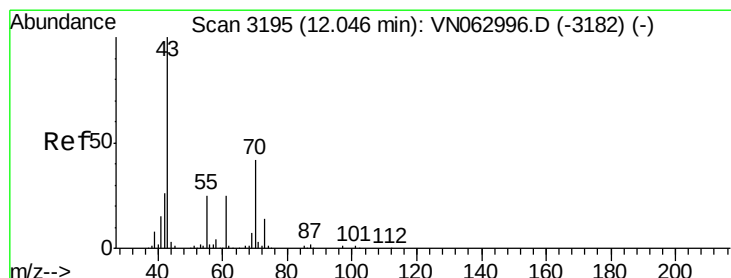
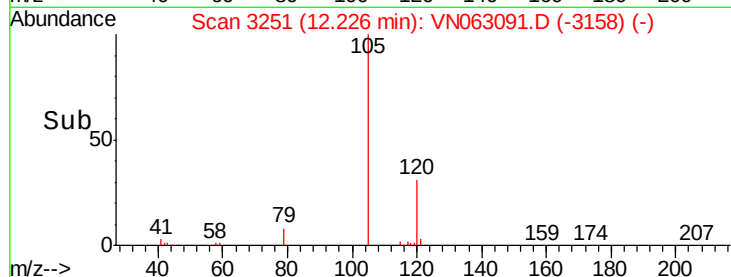
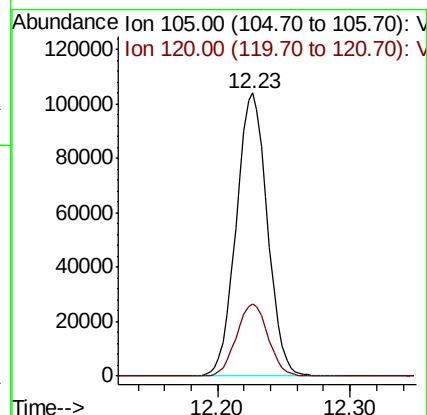
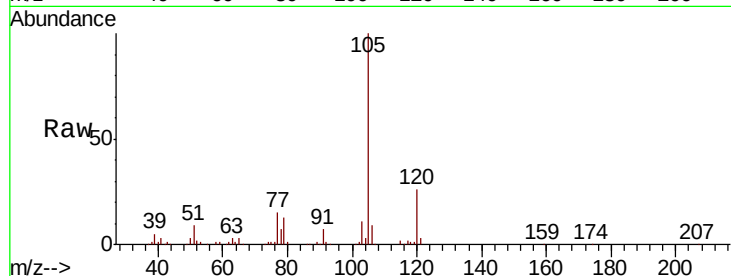
VN0824MBS01

Tot Ion:105 Resp: 169133

Ion Ratio Lower Upper

105 100

120 25.9 13.2 39.6



#74

N-ethyl acetate

Concen: 21.016 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Tgt Ion: 43 Resp: 62588

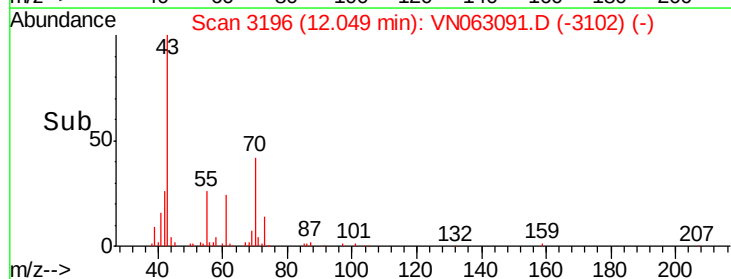
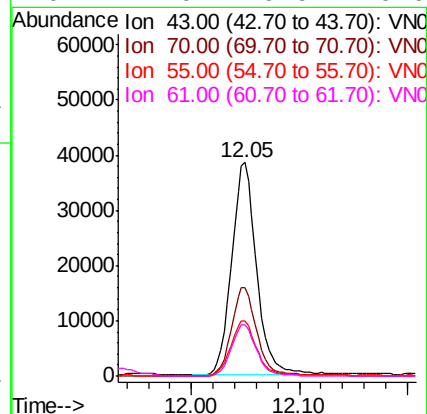
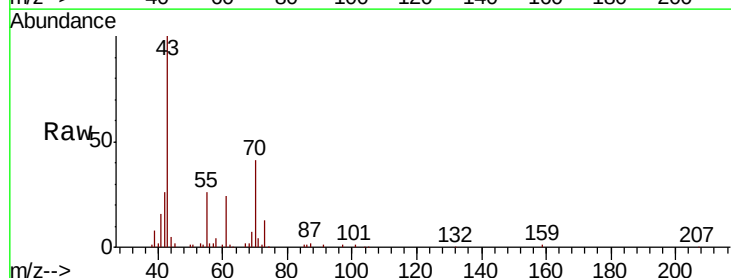
Ion Ratio Lower Upper

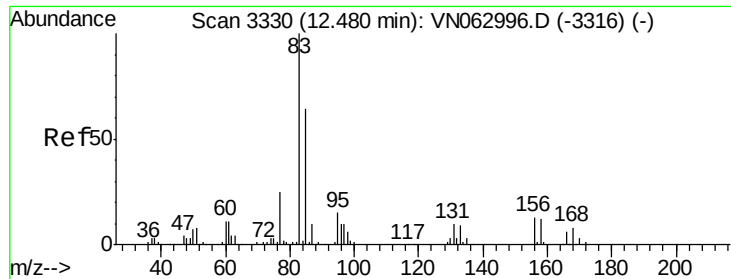
43 100

70 41.9 33.4 50.0

55 26.8 20.2 30.2

61 24.0 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.955 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

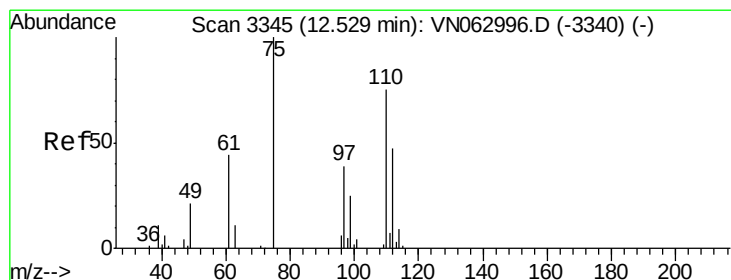
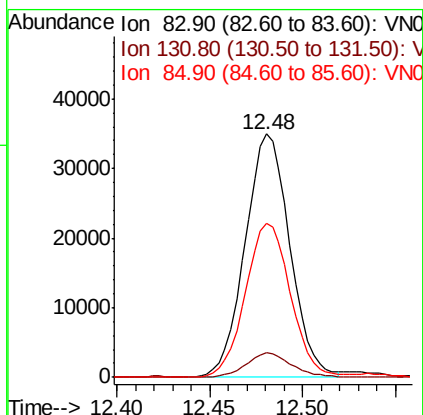
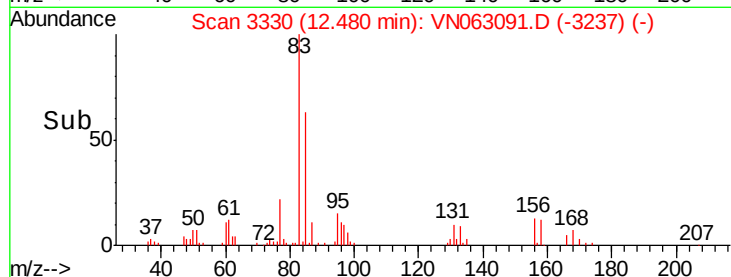
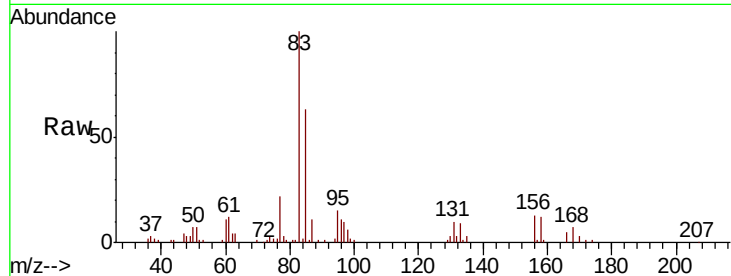
Tot Ion: 83 Resp: 58851

Ion Ratio Lower Upper

83 100

131 10.0 4.9 14.7

85 63.8 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 30.558 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN063091.D

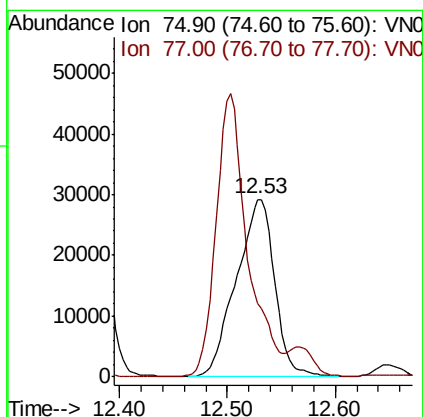
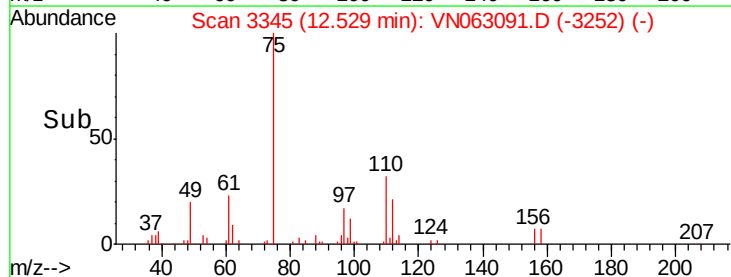
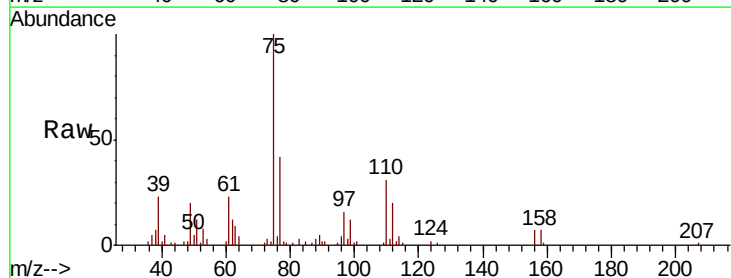
Acq: 24 Aug 2020 13:27

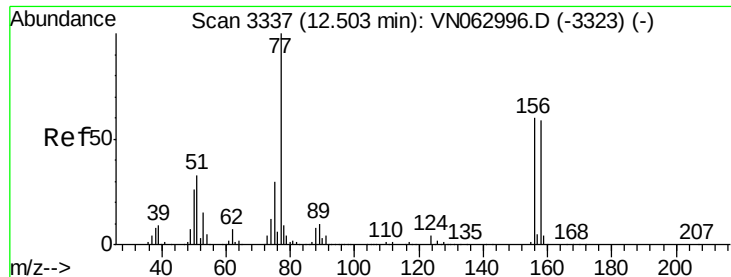
Tgt Ion: 75 Resp: 72122

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.538 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

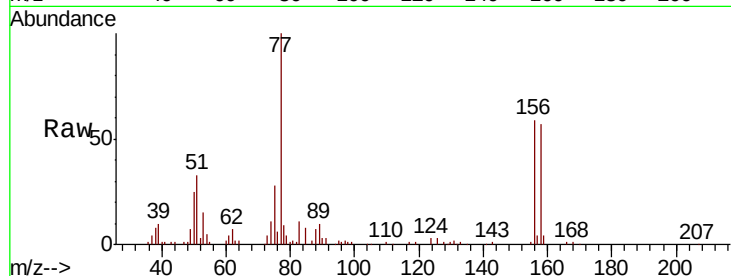
Tot Ion:156 Resp: 46968

Ion Ratio Lower Upper

156 100

77 201.0 101.0 302.9

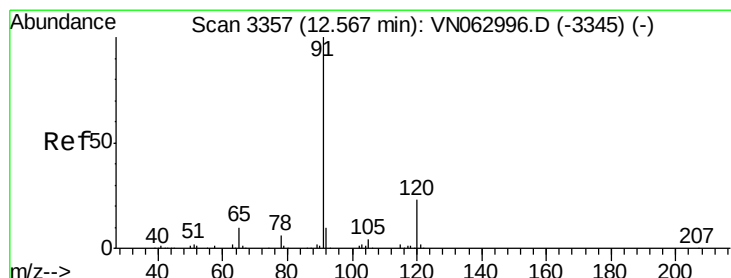
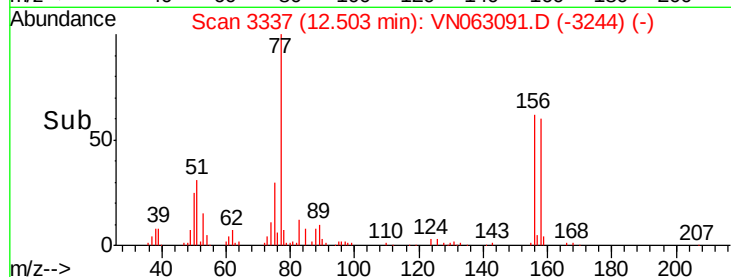
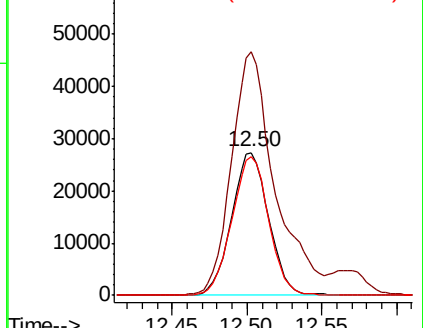
158 96.9 49.4 148.0



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: 20.259 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN063091.D

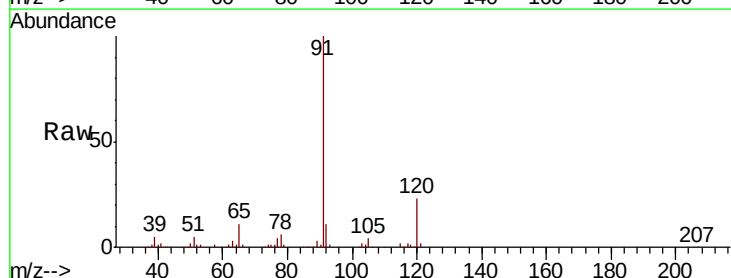
Acq: 24 Aug 2020 13:27

Tgt Ion: 91 Resp: 192014

Ion Ratio Lower Upper

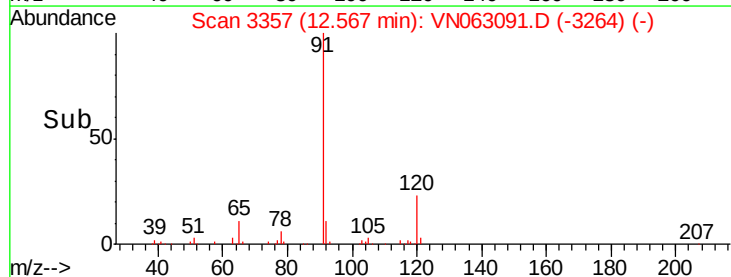
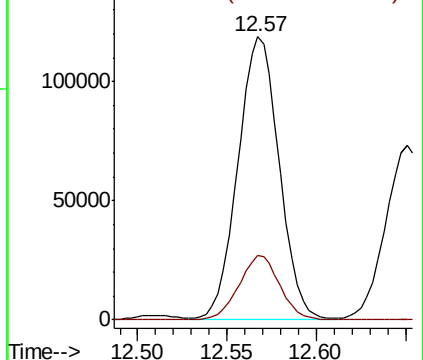
91 100

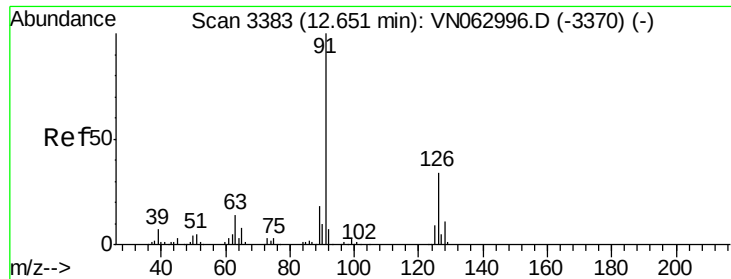
120 22.4 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

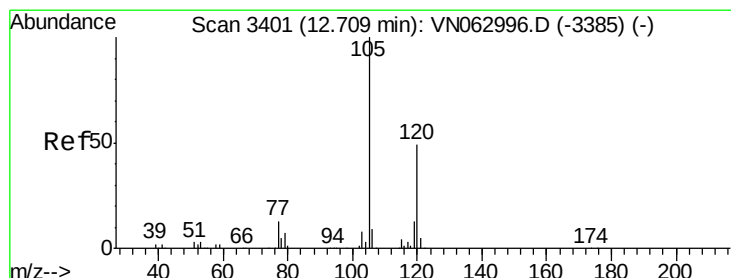
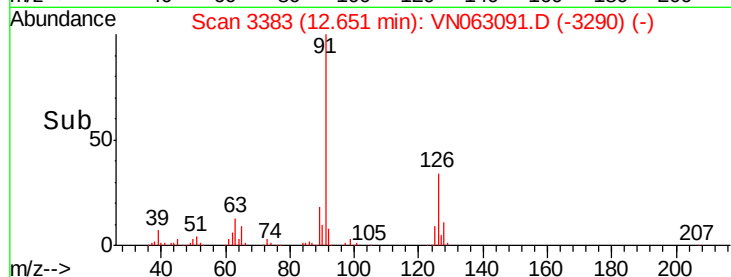
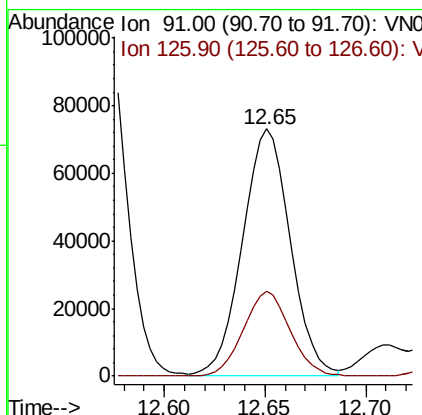
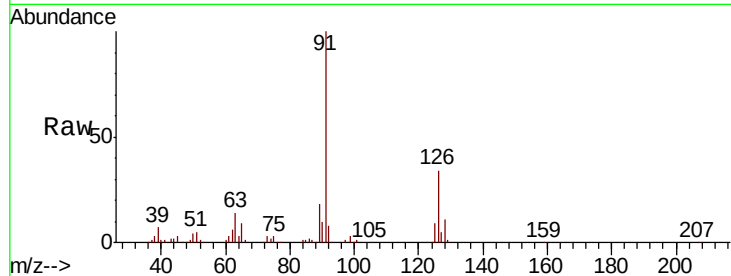




#79
2-Chlorotoluene
Concen: 20.260 ug/l
RT: 12.65 min Scan# 3383
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

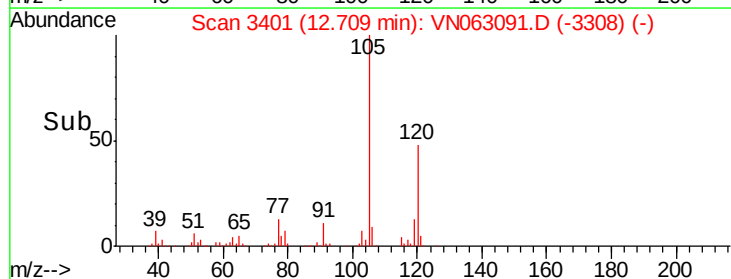
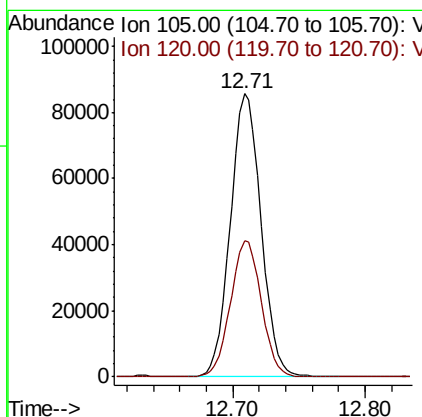
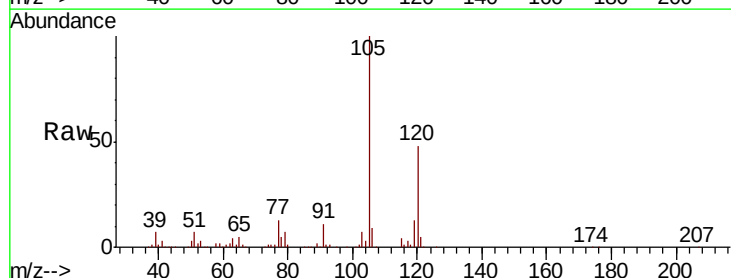
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

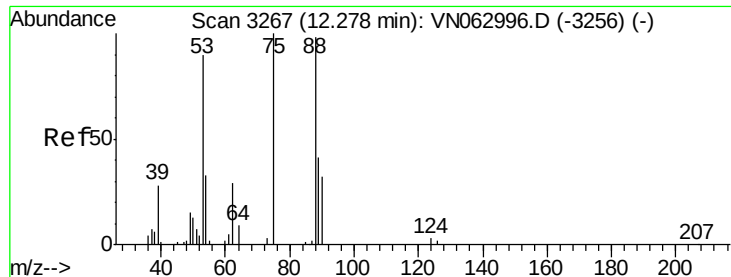
Tot Ion: 91 Resp: 120778
Ion Ratio Lower Upper
91 100
126 33.8 17.1 51.2



#80
1,3,5-Trimethylbenzene
Concen: 19.905 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion: 105 Resp: 136823
Ion Ratio Lower Upper
105 100
120 48.6 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.360 ug/l

RT: 12.28 min Scan# 3267

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

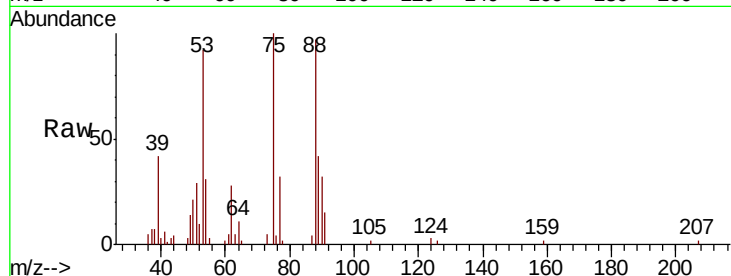
Tot Ion: 75 Resp: 18356

Ion Ratio Lower Upper

75 100

53 92.8 69.2 103.8

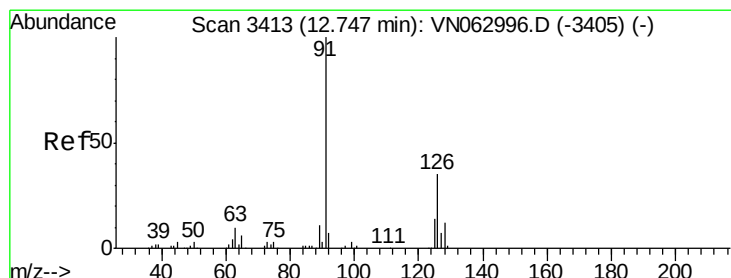
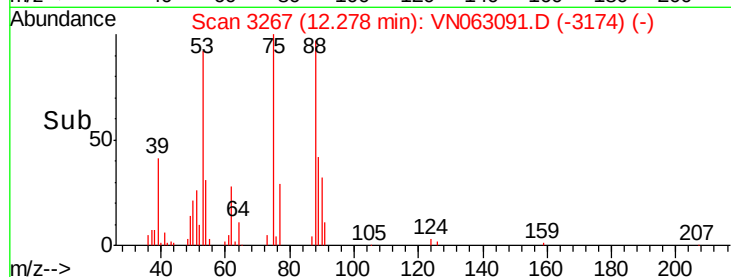
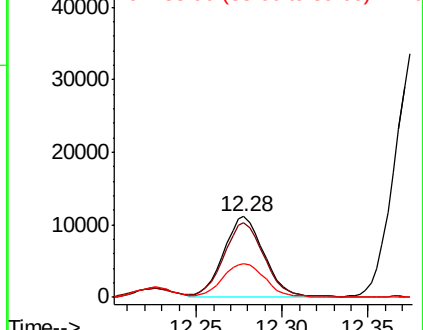
89 43.3 34.2 51.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.263 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN063091.D

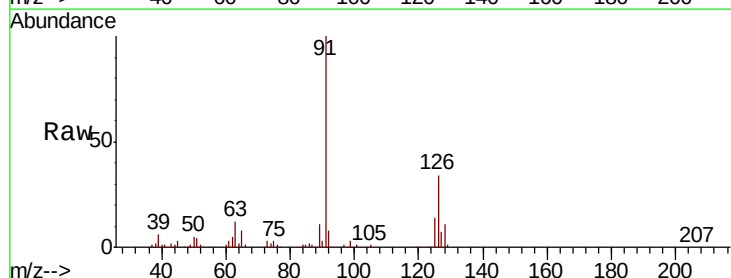
Acq: 24 Aug 2020 13:27

Tgt Ion: 91 Resp: 123000

Ion Ratio Lower Upper

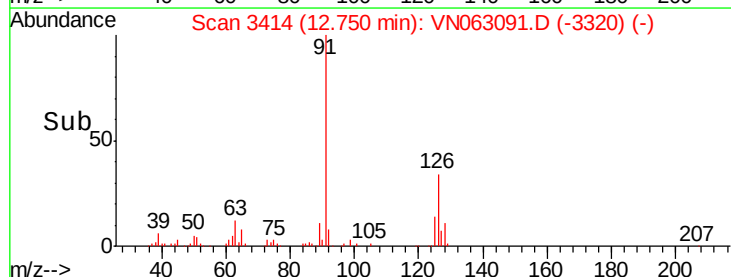
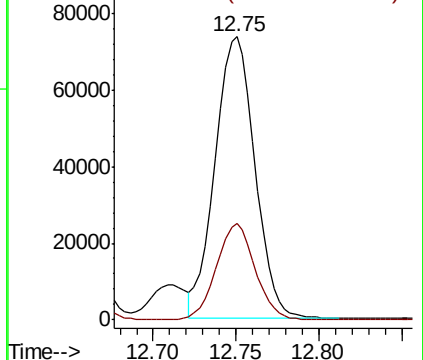
91 100

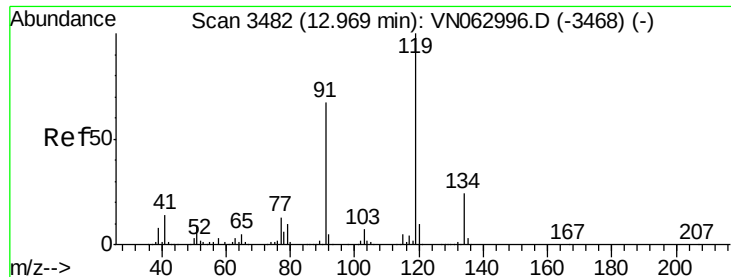
126 33.3 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

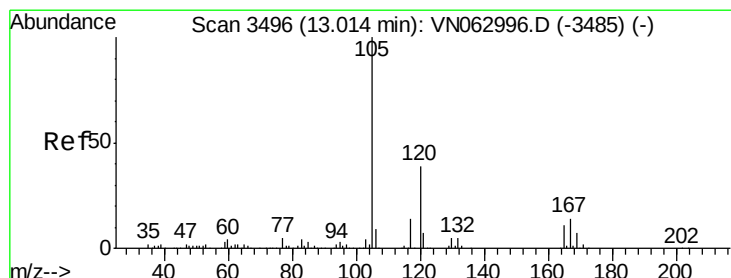
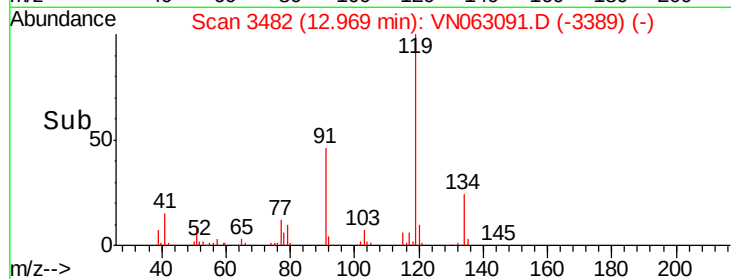
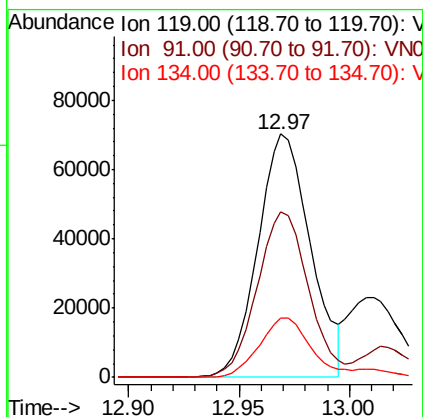
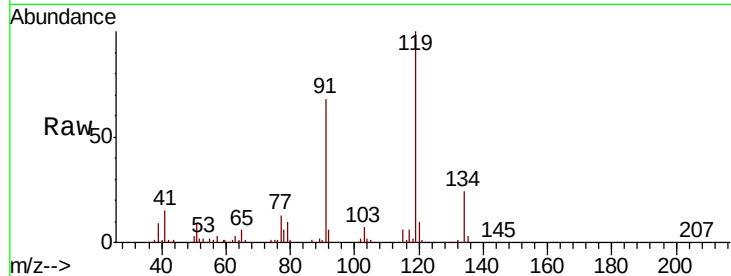




#83
tert-Butylbenzene
Concen: 19.565 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

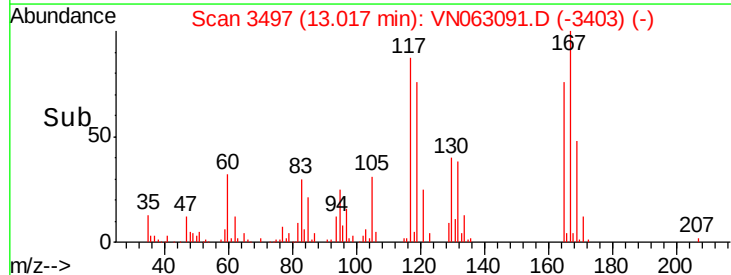
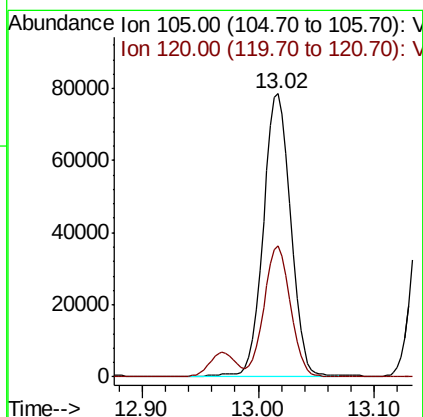
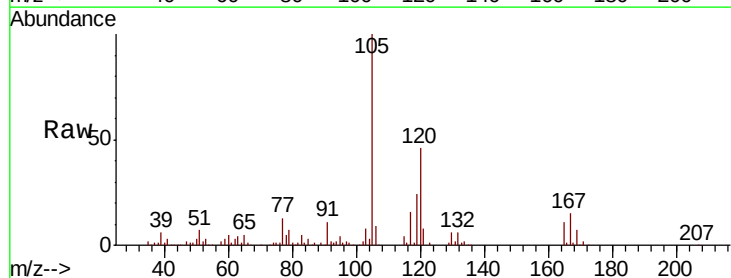
Instrument :
MSVOA_N
ClientSampleId :
VN0824MBS01

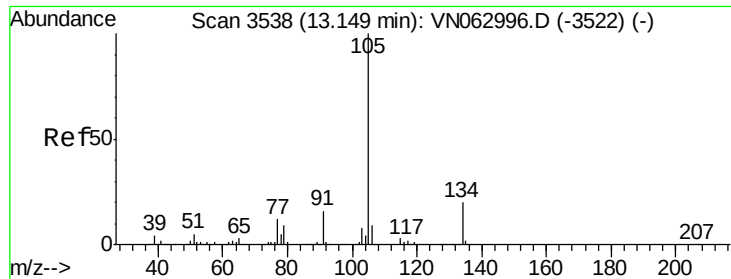
Tot Ion:119 Resp: 116073
Ion Ratio Lower Upper
119 100
91 66.6 32.5 97.4
134 24.0 13.1 39.3



#84
1,2,4-Trimethylbenzene
Concen: 19.285 ug/l
RT: 13.02 min Scan# 3497
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion:105 Resp: 129144
Ion Ratio Lower Upper
105 100
120 44.6 22.5 67.5





#85

sec-Butylbenzene

Concen: 18.793 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampled :

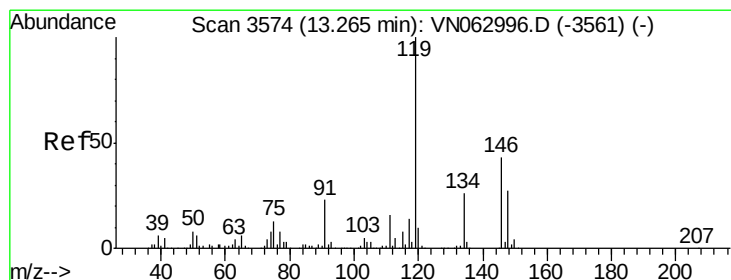
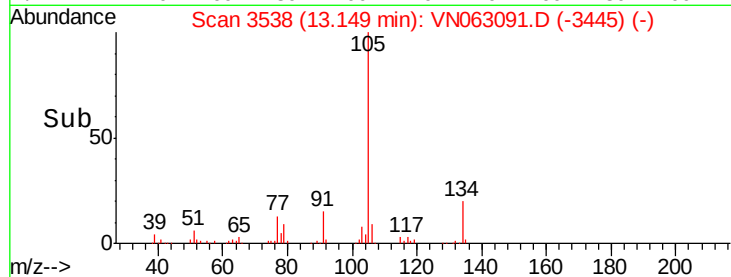
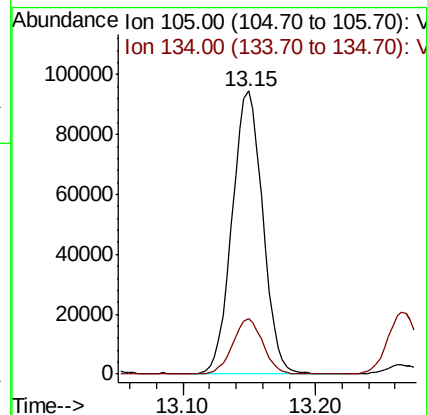
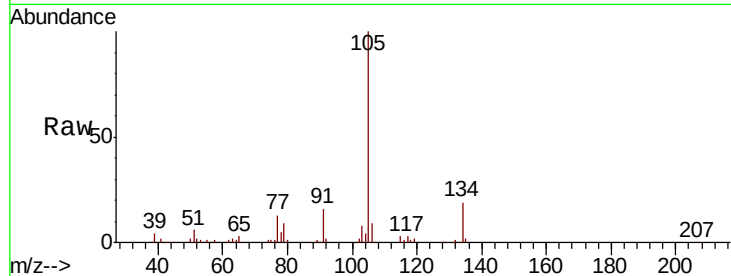
VN0824MBS01

Tot Ion:105 Resp: 150683

Ion Ratio Lower Upper

105 100

134 19.2 9.8 29.4



#86

p-Isopropyltoluene

Concen: 18.023 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

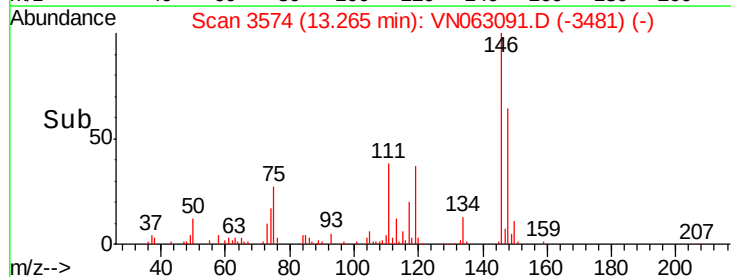
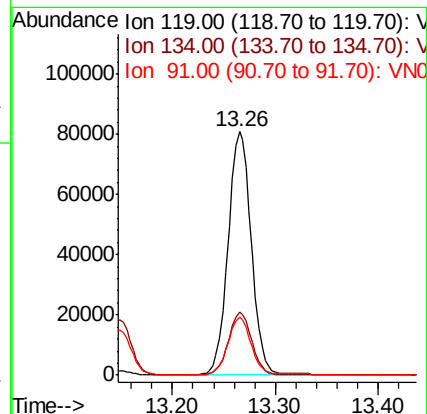
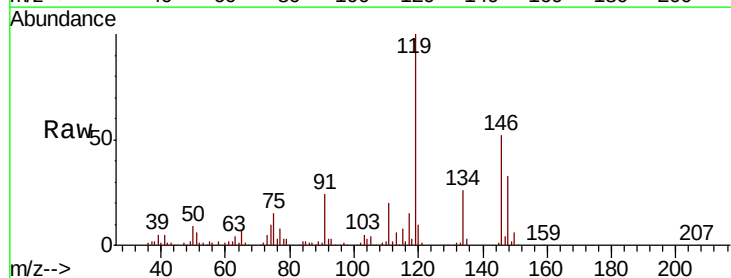
Tgt Ion:119 Resp: 125917

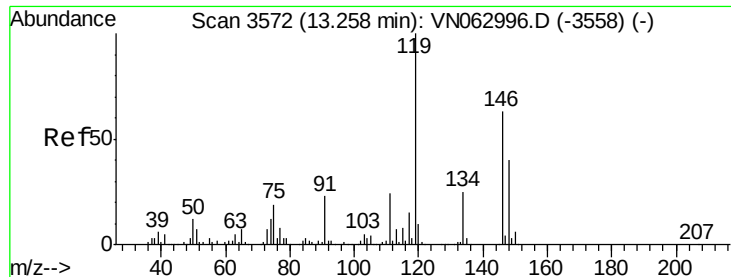
Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 23.2 11.5 34.4

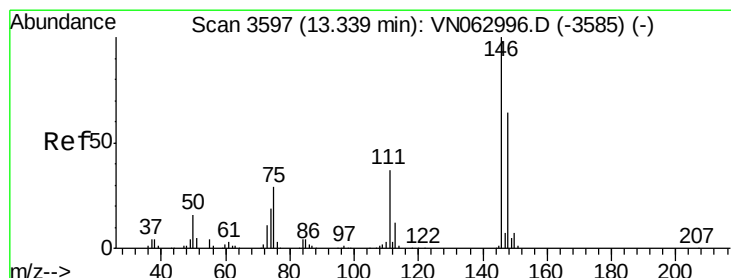
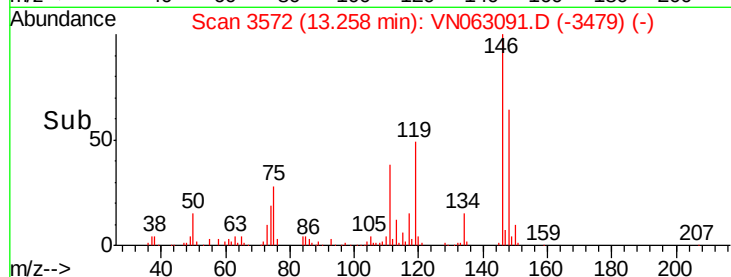
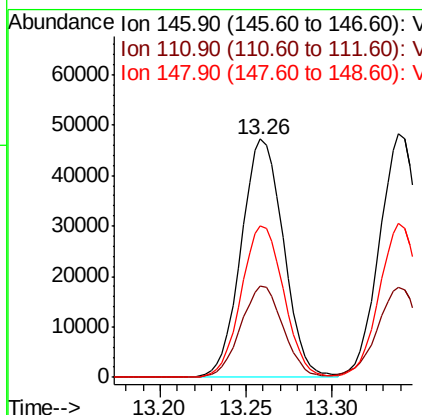
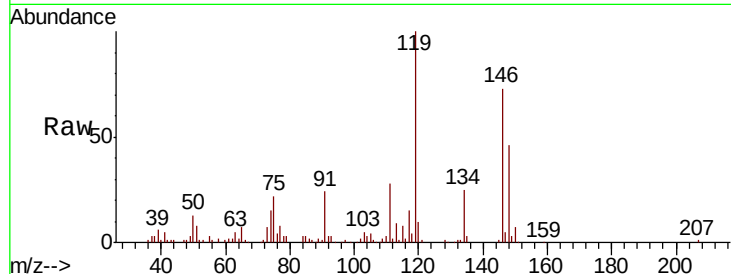




#87
 1,3-Dichlorobenzene
 Concen: 20.512 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

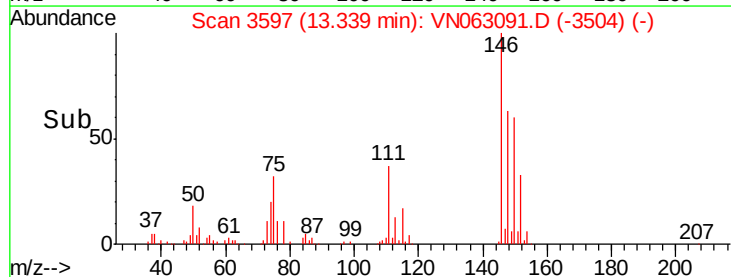
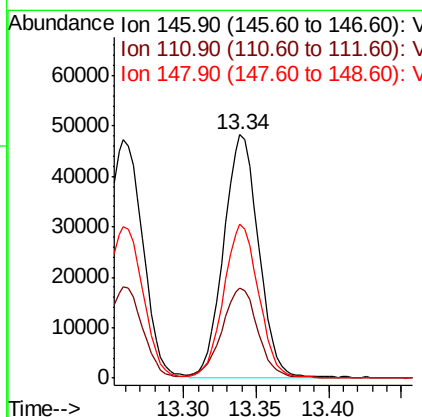
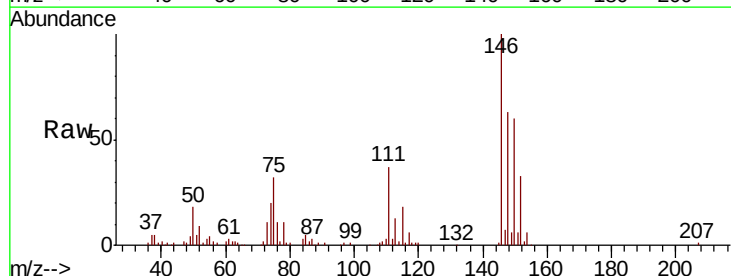
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

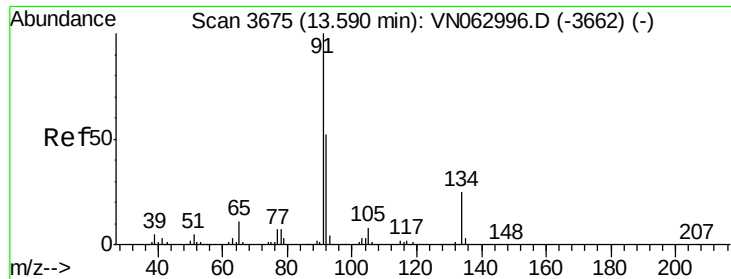
Tot Ion:146 Resp: 80617
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.4 58.1
 148 63.8 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.005 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion:146 Resp: 79801
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.8 56.4
 148 64.1 32.4 97.0





#89

n-Butylbenzene

Concen: 16.708 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN063091.D

Acq: 24 Aug 2020 13:27

Instrument :

MSVOA_N

ClientSampleId :

VN0824MBS01

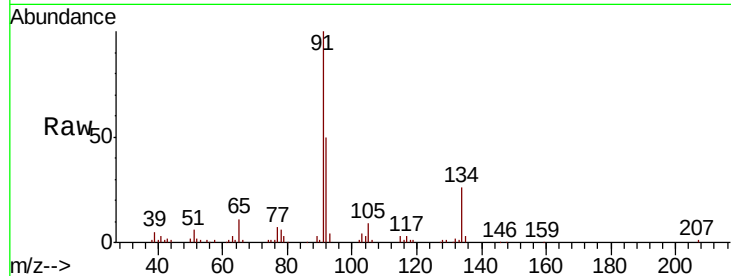
Tot Ion: 91 Resp: 97699

Ion Ratio Lower Upper

91 100

92 50.1 25.9 77.6

134 24.9 12.4 37.0

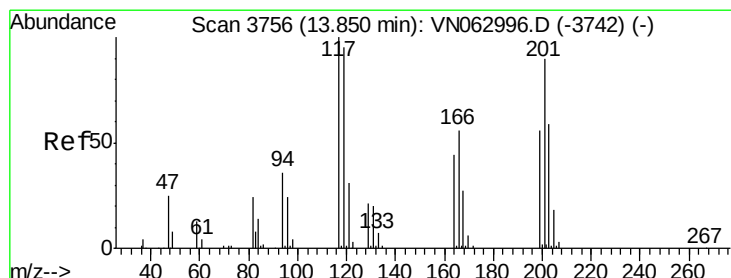
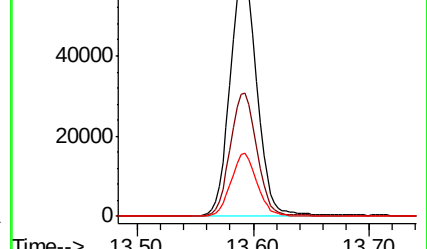
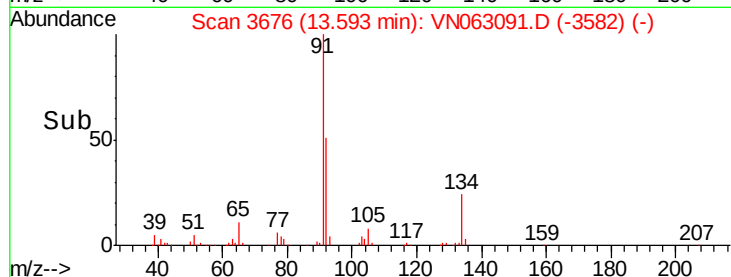


Abundance Ion 91.00 (90.70 to 91.70): VN062996.D (-3662) (-)

Ion 92.00 (91.70 to 92.70): VN062996.D (-3662) (-)

Ion 134.00 (133.70 to 134.70): VN062996.D (-3662) (-)

Time-->



#90

Hexachloroethane

Concen: 18.835 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN063091.D

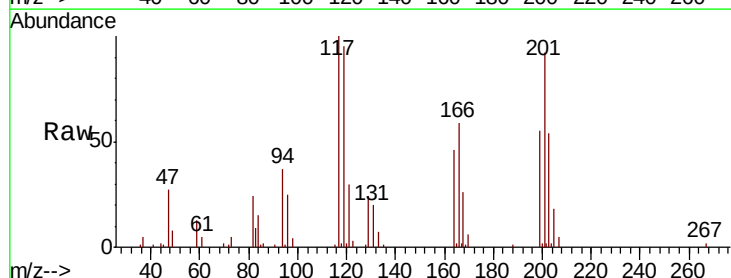
Acq: 24 Aug 2020 13:27

Tgt Ion: 117 Resp: 27968

Ion Ratio Lower Upper

117 100

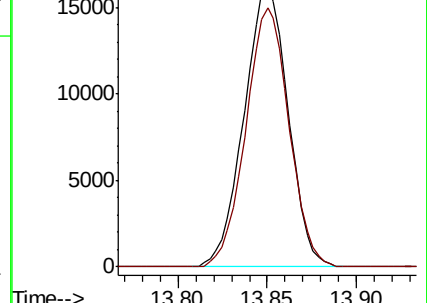
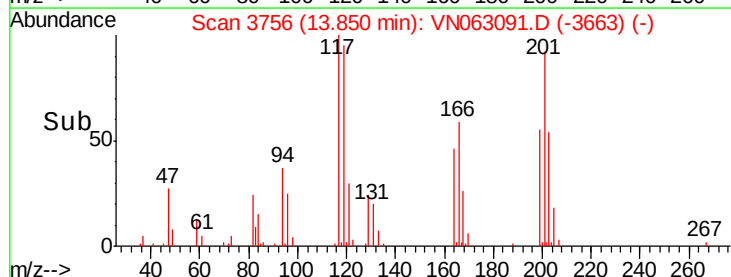
201 90.3 44.1 132.4

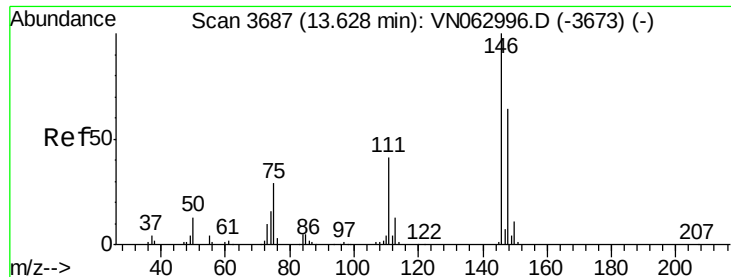


Abundance Ion 116.80 (116.50 to 117.50): VN062996.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062996.D (-3742) (-)

Time-->

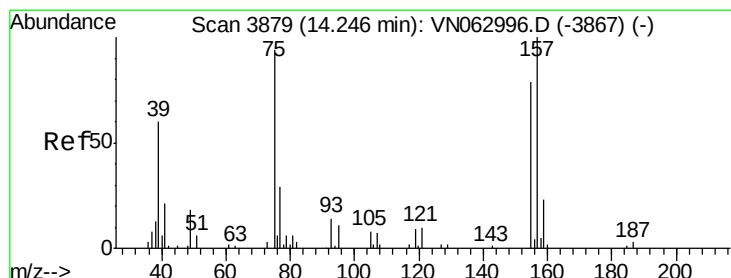
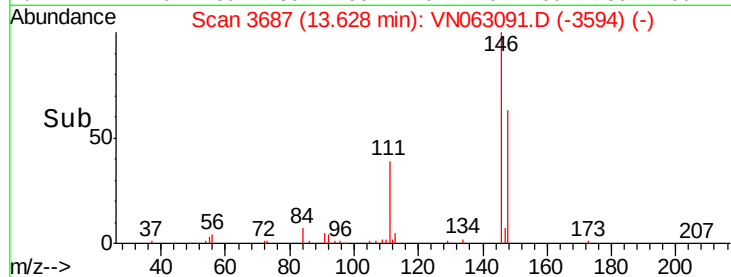
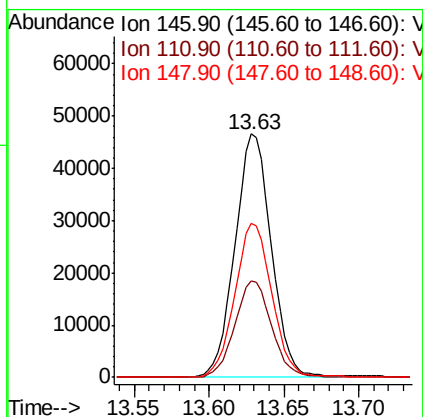
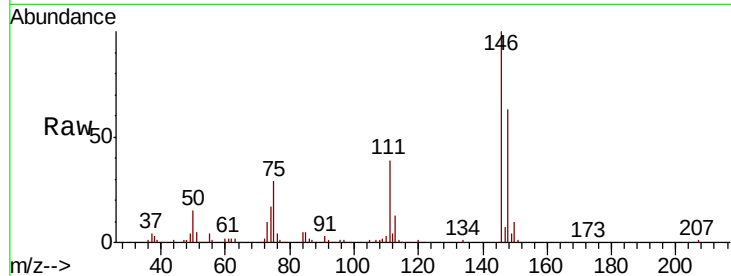




#91
 1,2-Dichlorobenzene
 Concen: 20.774 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

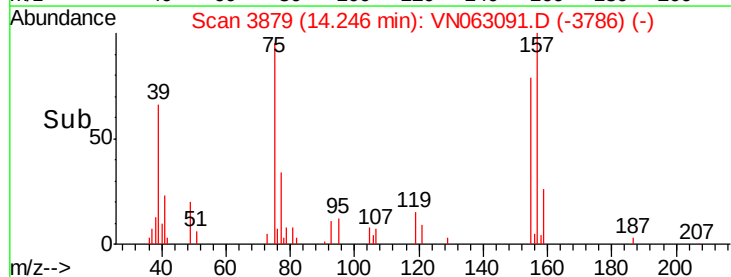
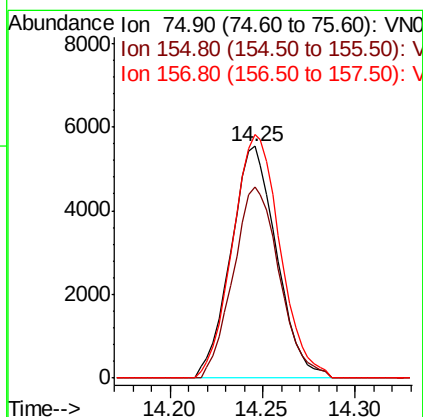
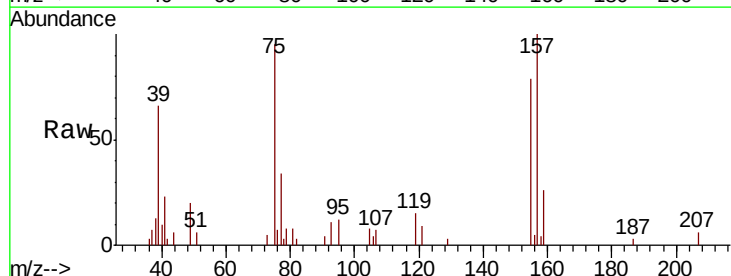
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824MBS01

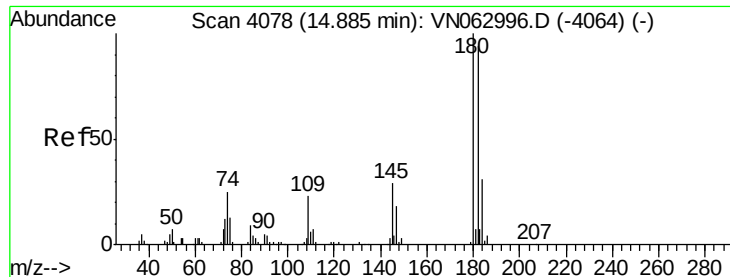
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.5
148	64.3	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.740 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	42.4	127.1
157	109.0	55.2	165.6

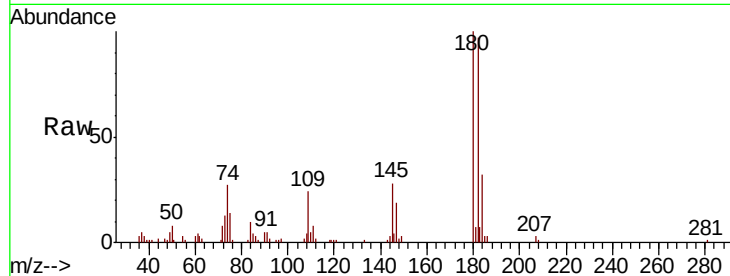




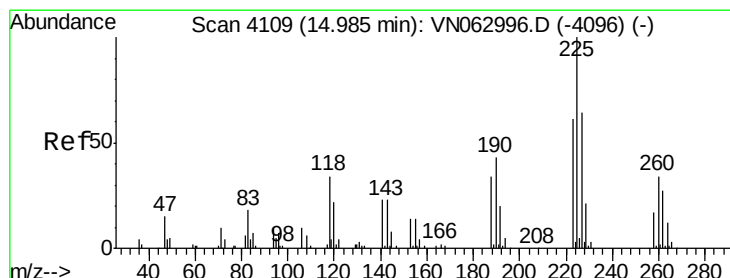
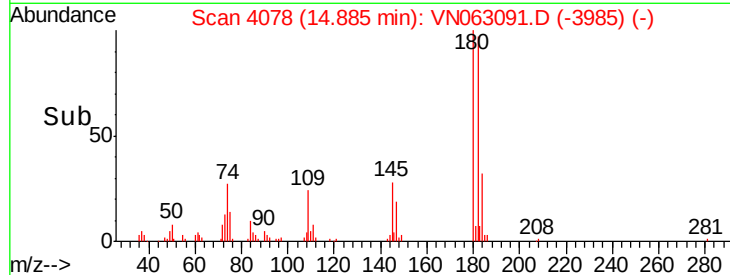
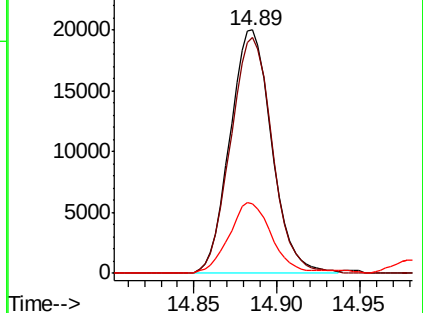
#93
 1,2,4-Trichlorobenzene
 Concen: 19.644 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Instrument :
 MSVOA_N
 ClientSampled :
 VN0824MBS01

Tot Ion:180 Resp: 34951
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.0 141.2
 145 30.6 14.1 42.4

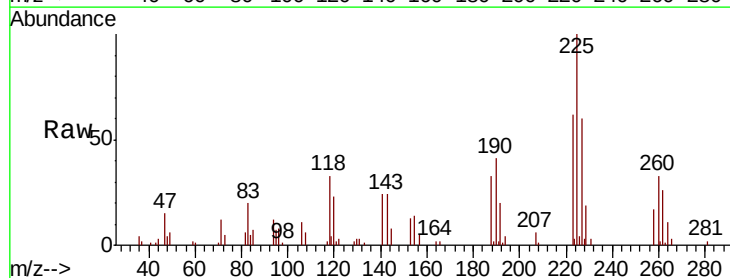


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

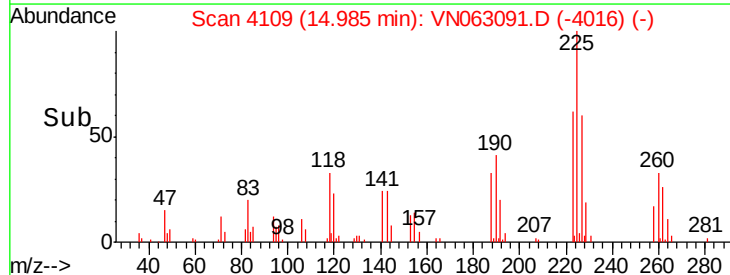
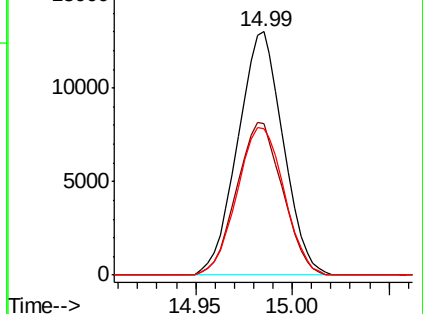


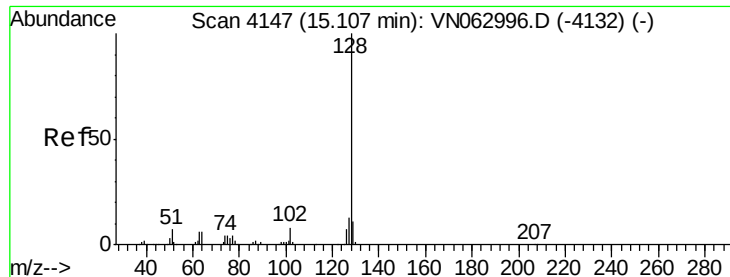
#94
 Hexachlorobutadiene
 Concen: 15.150 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN063091.D
 Acq: 24 Aug 2020 13:27

Tgt Ion:225 Resp: 21254
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.9 92.5
 227 63.0 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

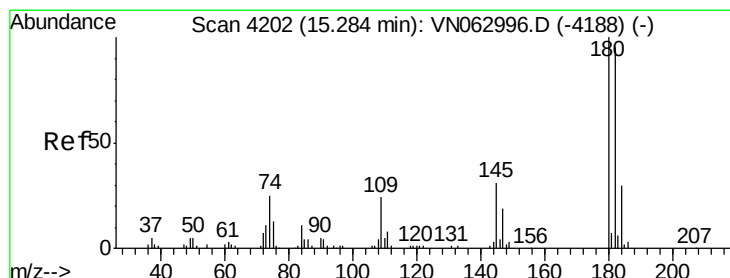
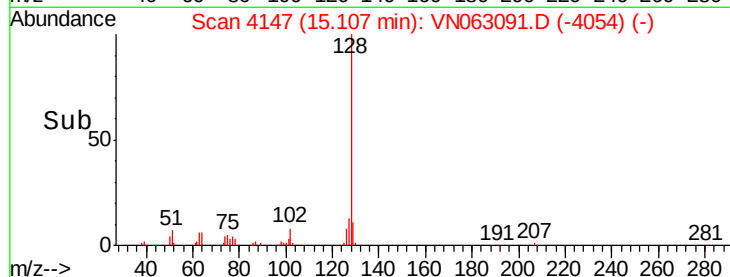
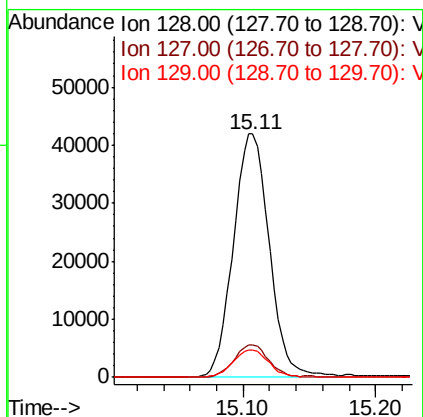
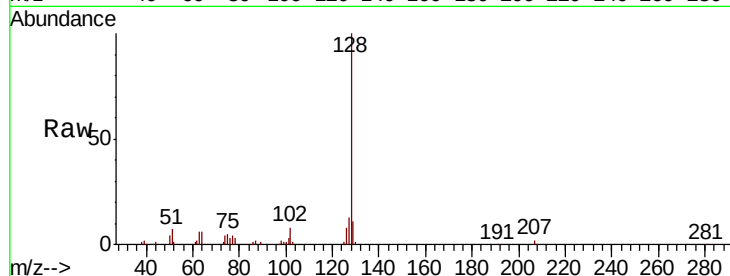




#95
Naphthalene
Concen: 20.143 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Instrument :
MSVOA_N
ClientSampled :
VN0824MBS01

Tot Ion:128 Resp: 79189
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 11.1 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.228 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN063091.D
Acq: 24 Aug 2020 13:27

Tgt Ion:180 Resp: 34198
Ion Ratio Lower Upper
180 100
182 96.2 47.3 141.9
145 32.0 15.6 46.7

