

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081320\
 Data File : VN062905.D
 Acq On : 13 Aug 2020 12:49
 Operator : JC/MD
 Sample : VN0813MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

Quant Time: Aug 14 05:05:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080520W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:26:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	156736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	246811	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	234272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	109733	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	126069	48.64	ug/l	0.00
Spiked Amount			Recovery	=	97.28%	
35) Dibromofluoromethane	7.54	113	86823	51.43	ug/l	0.00
Spiked Amount			Recovery	=	102.86%	
50) Toluene-d8	10.06	98	327685	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.38	95	120661	48.44	ug/l	0.00
Spiked Amount			Recovery	=	96.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	42863	19.098	ug/l	98
3) Chloromethane	2.03	50	49788	23.508	ug/l	97
4) Vinyl Chloride	2.16	62	47154	23.737	ug/l	99
5) Bromomethane	2.52	94	30303	23.044	ug/l	96
6) Chloroethane	2.66	64	27216	20.825	ug/l	92
7) Trichlorofluoromethane	2.98	101	70709	19.962	ug/l	96
8) Diethyl Ether	3.37	74	20494	20.210	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.71	101	29658	20.237	ug/l	96
10) Methyl Iodide	3.91	142	34415	20.045	ug/l	95
11) Tert butyl alcohol	4.73	59	40708	95.826	ug/l	99
12) 1,1-Dichloroethene	3.69	96	26197	18.899	ug/l	96
13) Acrolein	3.57	56	22890	88.994	ug/l	100
14) Allyl chloride	4.27	41	49384	17.996	ug/l	95
15) Acrylonitrile	4.93	53	98879	100.354	ug/l	99
16) Acetone	3.78	43	87422	93.344	ug/l	97
17) Carbon Disulfide	4.00	76	69263	17.677	ug/l	99
18) Methyl Acetate	4.28	43	49045	21.497	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	119532	19.684	ug/l	100
20) Methylene Chloride	4.49	84	35824	20.452	ug/l	92
21) trans-1,2-Dichloroethene	4.98	96	28080	17.903	ug/l	98
22) Diisopropyl ether	5.90	45	120151	20.568	ug/l	93
23) Vinyl Acetate	5.84	43	409010	92.052	ug/l	100
24) 1,1-Dichloroethane	5.80	63	64992	18.985	ug/l	99
25) 2-Butanone	6.79	43	128623	96.967	ug/l	96
26) 2,2-Dichloropropane	6.77	77	56450	17.889	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	37577	19.971	ug/l	92
28) Bromochloromethane	7.15	49	31612	19.133	ug/l	99
29) Tetrahydrofuran	7.17	42	84834	98.443	ug/l	99
30) Chloroform	7.33	83	68959	18.955	ug/l	97
31) Cyclohexane	7.61	56	58902	18.744	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	59062	18.158	ug/l	97
36) 1,1-Dichloropropene	7.75	75	45538	18.949	ug/l	99
37) Ethyl Acetate	6.88	43	49536	19.732	ug/l	98
38) Carbon Tetrachloride	7.73	117	51256	18.033	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	54738	18.926	ug/l	99
40) Benzene	8.00	78	136045	18.971	ug/l	97
41) Methacrylonitrile	7.17	41	78342	69.158	ug/l #	36
42) 1,2-Dichloroethane	8.08	62	58217	19.074	ug/l	99
43) Isopropyl Acetate	8.13	43	80612	19.252	ug/l	98
44) Trichloroethene	8.80	130	33296	19.057	ug/l	90
45) 1,2-Dichloropropane	9.08	63	38669	19.923	ug/l	98
46) Dibromomethane	9.17	93	25473	20.030	ug/l	98
47) Bromodichloromethane	9.37	83	55312	19.366	ug/l	94
48) Methyl methacrylate	9.17	41	40475	19.652	ug/l	96
49) 1,4-Dioxane	9.17	88	15852	415.380	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	272173	100.461	ug/l	99
52) Toluene	10.12	92	85537	19.318	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	61023	19.423	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	62587	19.841	ug/l	95
55) 1,1,2-Trichloroethane	10.54	97	37677	19.924	ug/l	96
56) Ethyl methacrylate	10.40	69	55184	19.387	ug/l	98
57) 1,3-Dichloropropane	10.68	76	62763	19.533	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	65173	81.003	ug/l	100
59) 2-Hexanone	10.72	43	196661	97.312	ug/l	99
60) Dibromochloromethane	10.87	129	42754	19.812	ug/l	96
61) 1,2-Dibromoethane	10.98	107	38063	20.398	ug/l	96
64) Tetrachloroethene	10.60	164	28989	19.178	ug/l	94
65) Chlorobenzene	11.41	112	94459	19.288	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	38304	19.477	ug/l	99
67) Ethyl Benzene	11.48	91	165760	18.915	ug/l	96
68) m/p-Xylenes	11.60	106	123604	38.855	ug/l	95
69) o-Xylene	11.92	106	58953	19.775	ug/l	96
70) Styrene	11.94	104	104850	20.009	ug/l	98
71) Bromoform	12.10	173	30521	18.968	ug/l #	99
73) Isopropylbenzene	12.22	105	164210	19.873	ug/l	99
74) N-amyl acetate	12.05	43	65993	19.708	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	58893	20.247	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	76637	25.896	ug/l #	100
77) Bromobenzene	12.50	156	40662	19.806	ug/l	95
78) n-propylbenzene	12.57	91	186994	19.279	ug/l	99
79) 2-Chlorotoluene	12.65	91	119629	19.668	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	143004	19.949	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	19069	19.670	ug/l	98
82) 4-Chlorotoluene	12.75	91	121942	19.455	ug/l	99
83) tert-Butylbenzene	12.97	119	120768	19.910	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	142130	20.725	ug/l	99
85) sec-Butylbenzene	13.15	105	158368	19.882	ug/l	100
86) p-Isopropyltoluene	13.26	119	138707	19.618	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	71634	19.531	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	70631	19.200	ug/l	99
89) n-Butylbenzene	13.59	91	107464	17.971	ug/l	100
90) Hexachloroethane	13.85	117	28561	18.740	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	71283	20.730	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	11834	18.951	ug/l	97

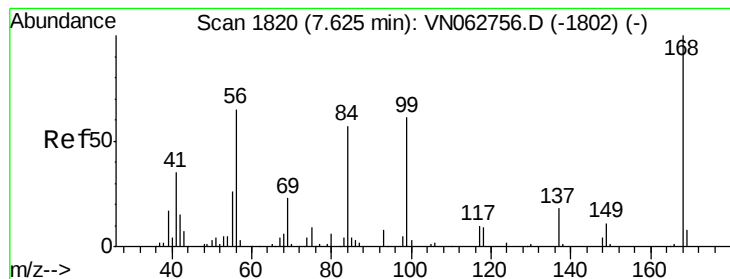
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	29764	18.369	ug/l	99
94) Hexachlorobutadiene	14.98	225	23015	20.348	ug/l	98
95) Naphthalene	15.11	128	78062	18.035	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	31371	19.031	ug/l	100

(#) = 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: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

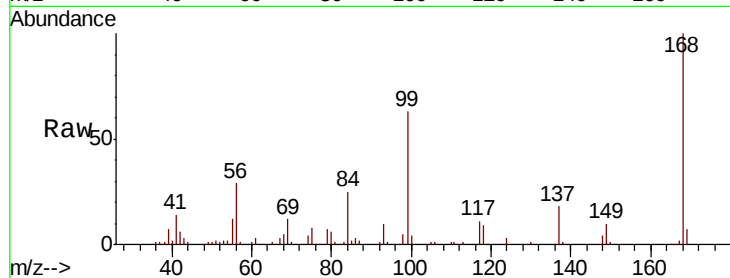
VN0813MBS01

Tot Ion:168 Resp: 156736

Ion Ratio Lower Upper

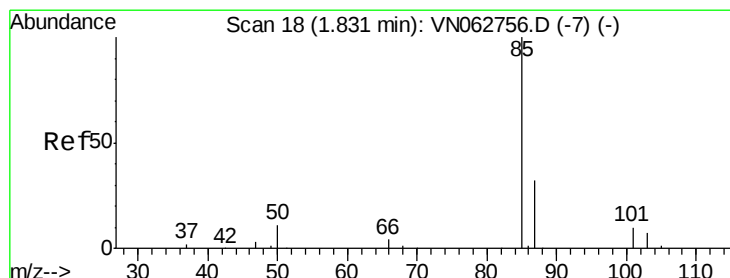
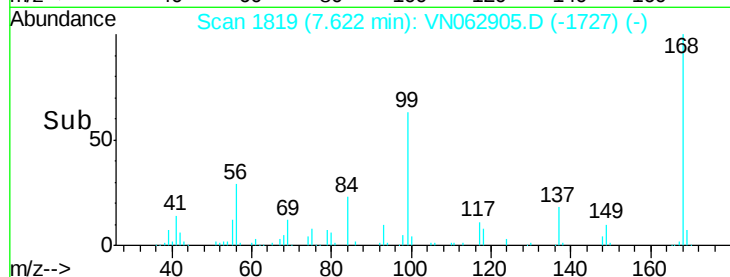
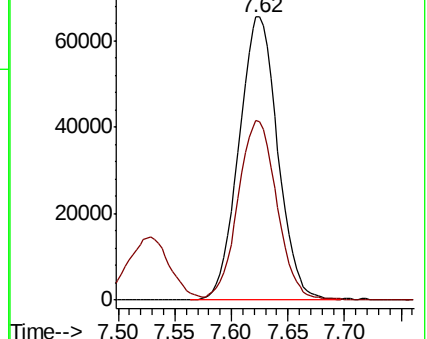
168 100

99 62.9 52.9 79.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 19.098 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062905.D

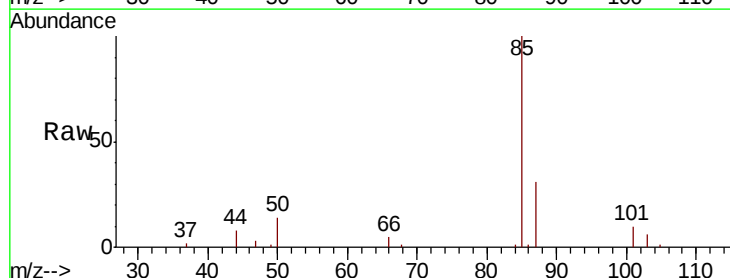
Acq: 13 Aug 2020 12:49

Tgt Ion: 85 Resp: 42863

Ion Ratio Lower Upper

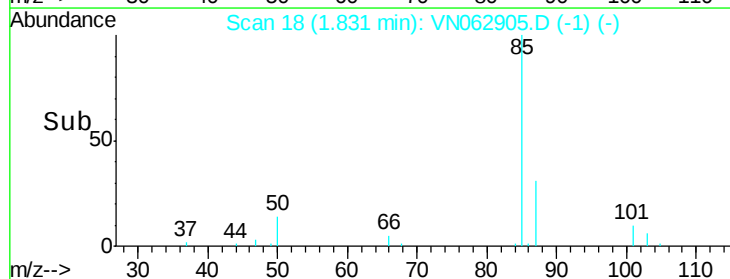
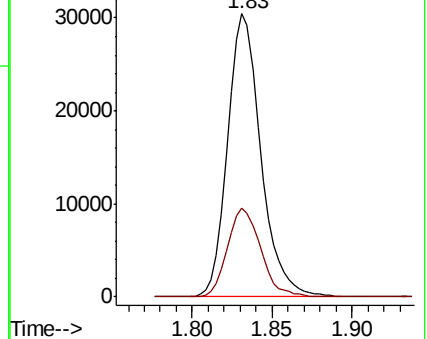
85 100

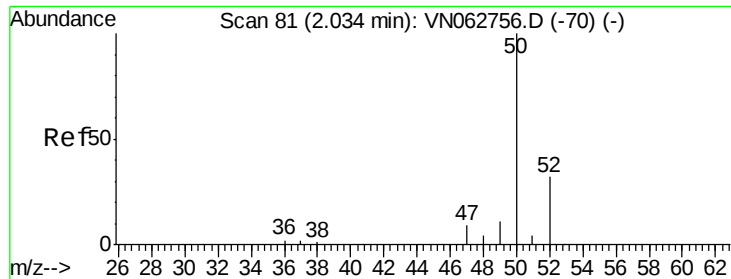
87 31.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

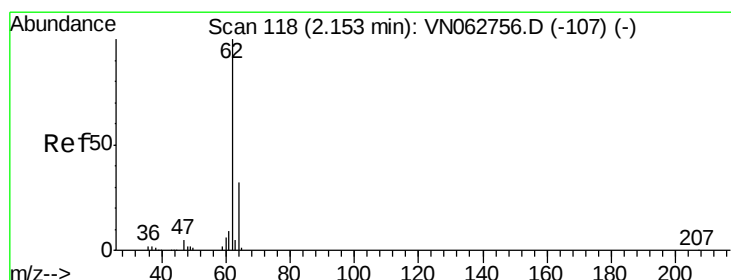
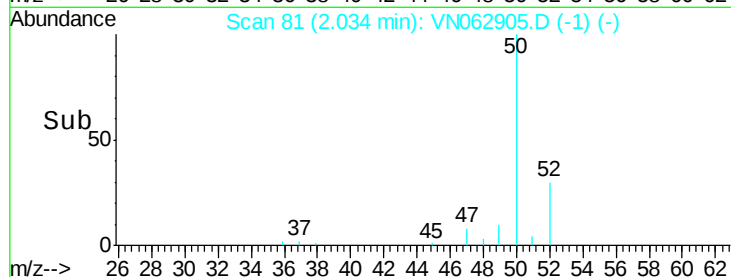
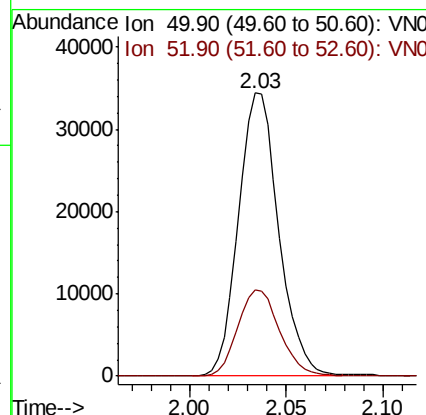
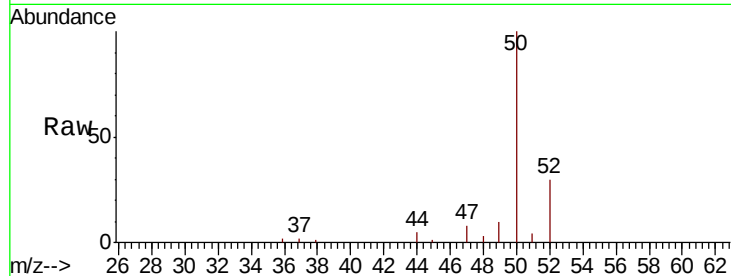




#3
Chloromethane
Concen: 23.508 ug/l
RT: 2.03 min Scan# 81
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

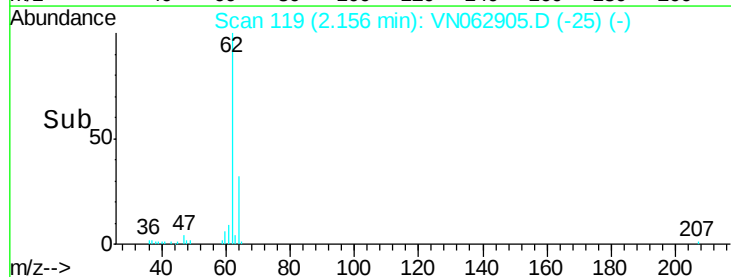
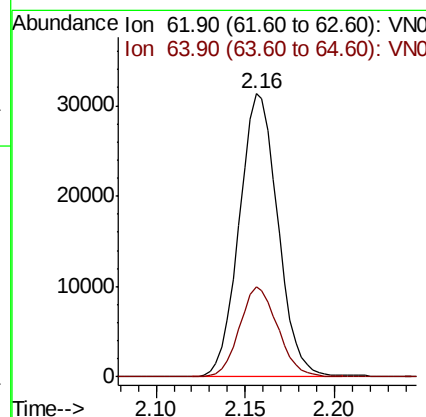
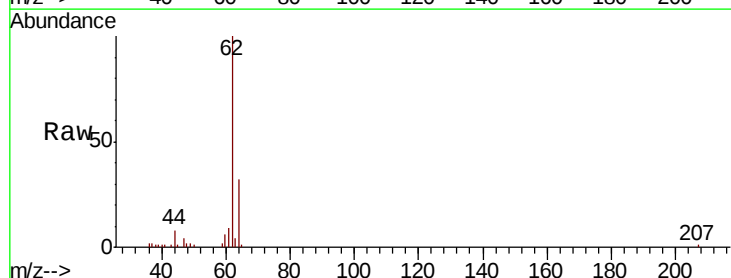
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

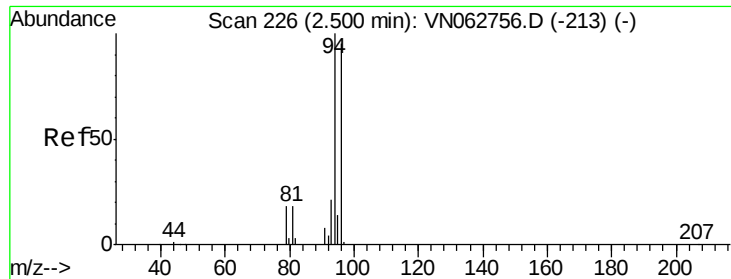
Tot Ion: 50 Resp: 49788
Ion Ratio Lower Upper
50 100
52 30.4 25.6 38.4



#4
Vinyl Chloride
Concen: 23.737 ug/l
RT: 2.16 min Scan# 119
Delta R.T. 0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Tgt Ion: 62 Resp: 47154
Ion Ratio Lower Upper
62 100
64 31.7 25.8 38.8





#5

Bromomethane

Concen: 23.044 ug/l

RT: 2.52 min Scan# 232

Delta R.T. 0.02 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

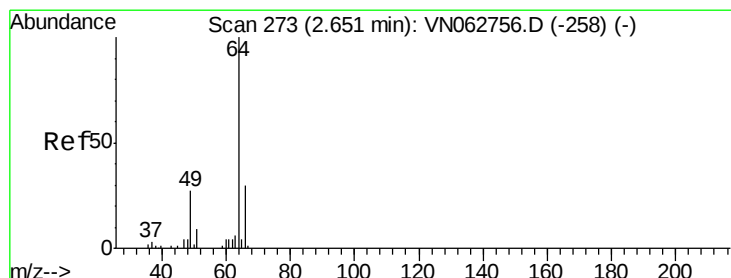
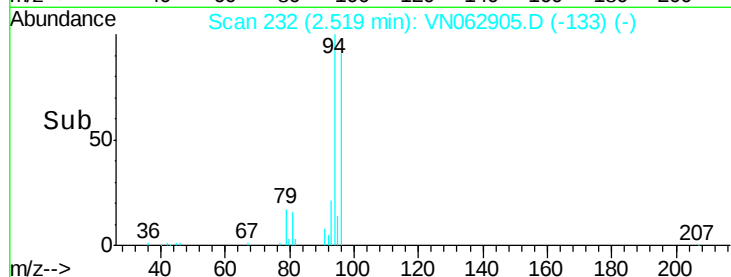
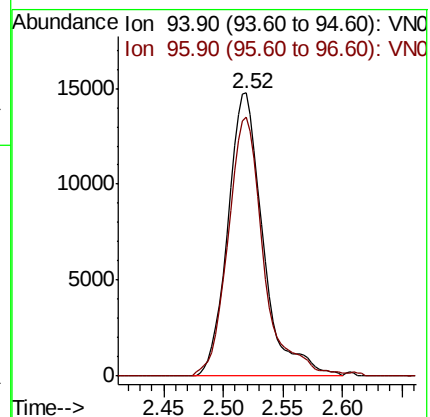
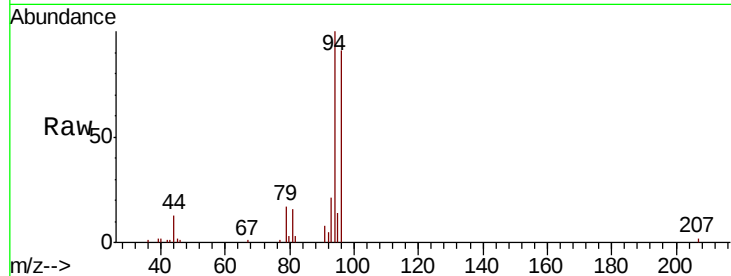
VN0813MBS01

Tot Ion: 94 Resp: 30303

Ion Ratio Lower Upper

94 100

96 91.4 76.2 114.4



#6

Chloroethane

Concen: 20.825 ug/l

RT: 2.66 min Scan# 276

Delta R.T. 0.01 min

Lab File: VN062905.D

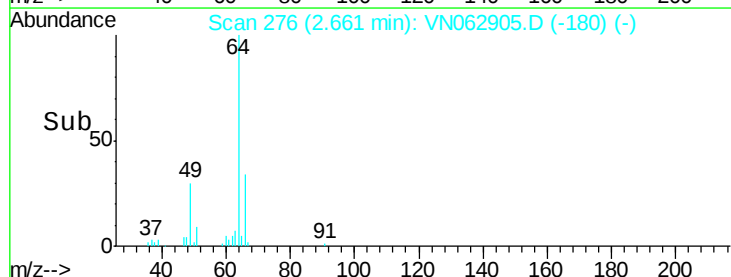
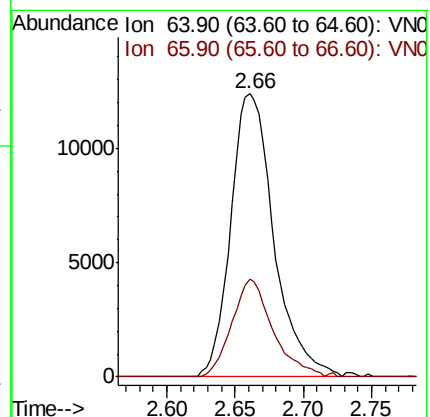
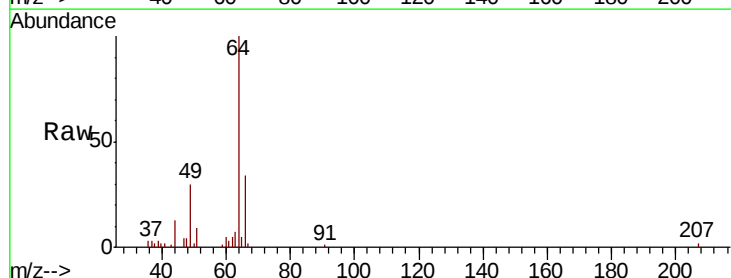
Acq: 13 Aug 2020 12:49

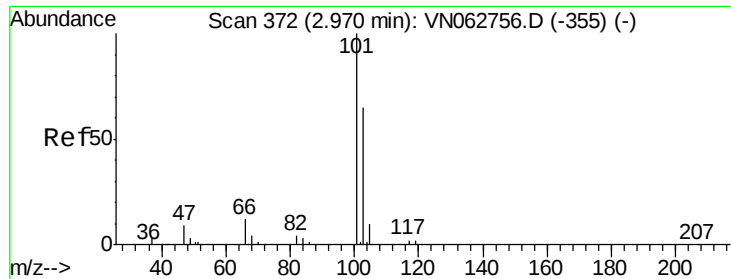
Tgt Ion: 64 Resp: 27216

Ion Ratio Lower Upper

64 100

66 34.4 24.0 36.0



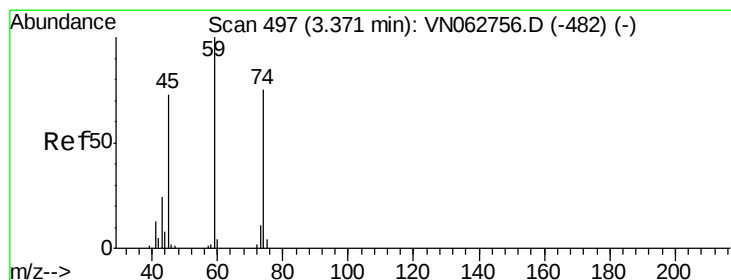
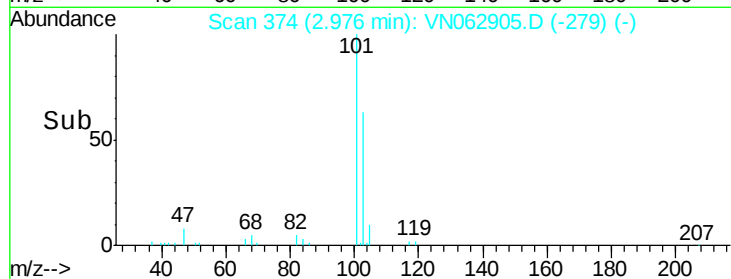
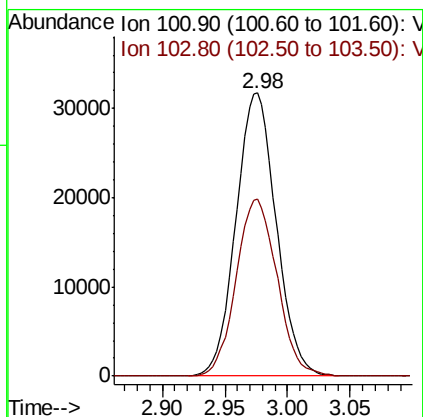
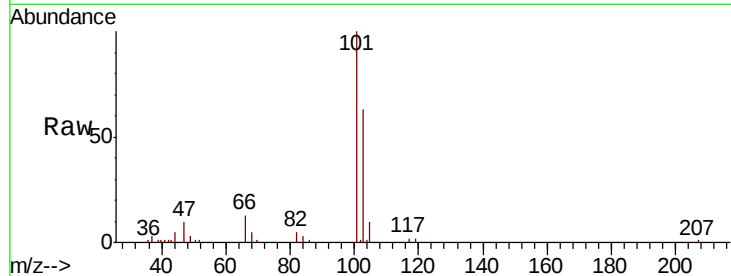


#7

Trichlorofluoromethane
 Concen: 19.962 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

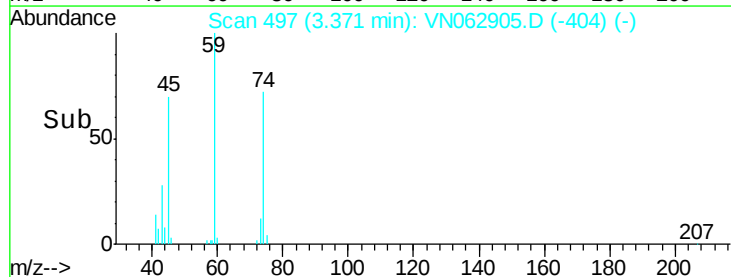
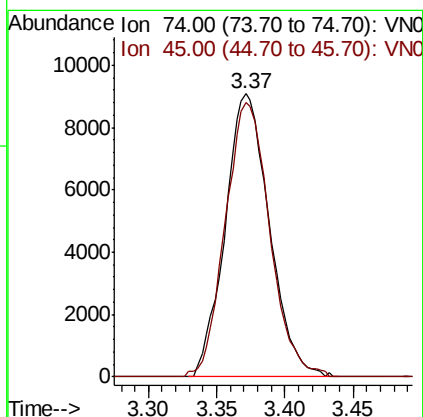
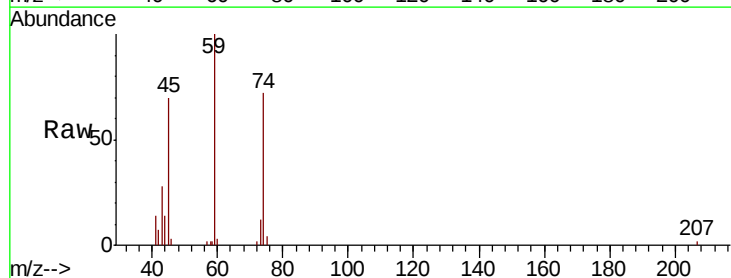
Tot Ion:101 Resp: 70709
 Ion Ratio Lower Upper
 101 100
 103 62.6 52.3 78.5

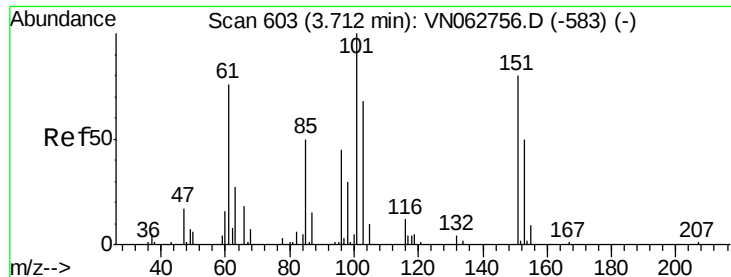


#8

Diethyl Ether
 Concen: 20.210 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

Tgt Ion: 74 Resp: 20494
 Ion Ratio Lower Upper
 74 100
 45 97.4 48.7 146.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.237 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampled :

VN0813MBS01

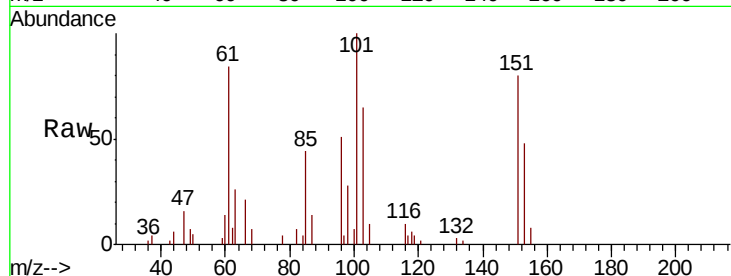
Tot Ion:101 Resp: 29658

Ion Ratio Lower Upper

101 100

85 44.9 38.5 57.7

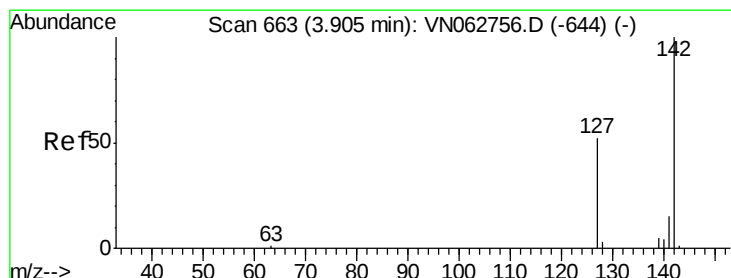
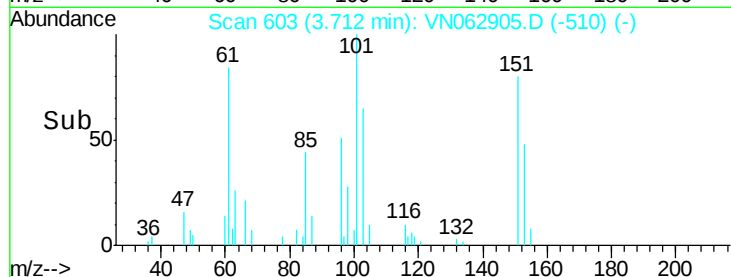
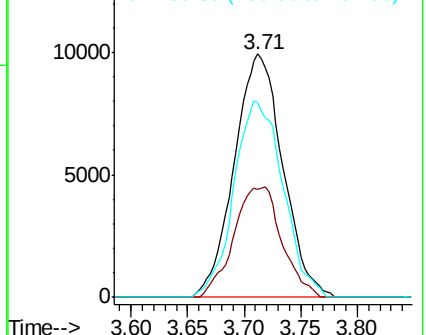
151 81.4 63.0 94.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.045 ug/l

RT: 3.91 min Scan# 663

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

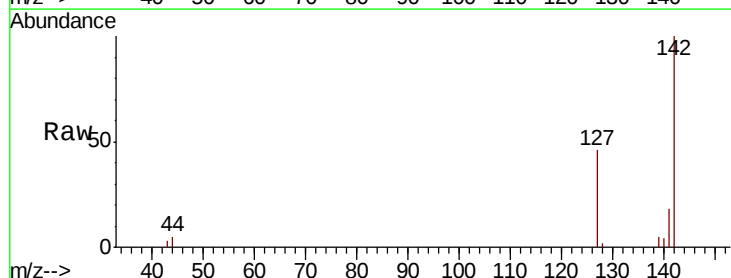
Tgt Ion:142 Resp: 34415

Ion Ratio Lower Upper

142 100

127 47.6 41.4 62.0

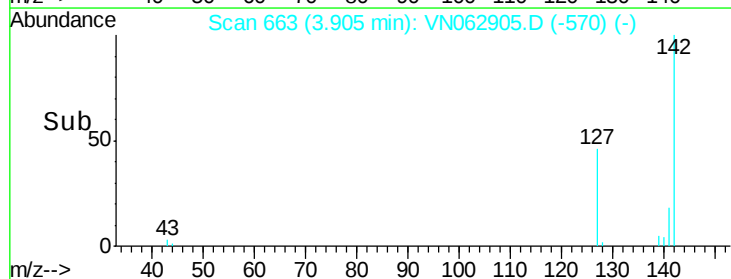
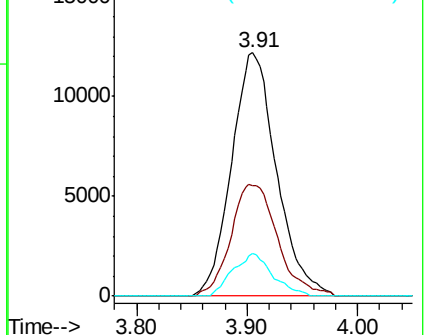
141 15.5 12.2 18.4

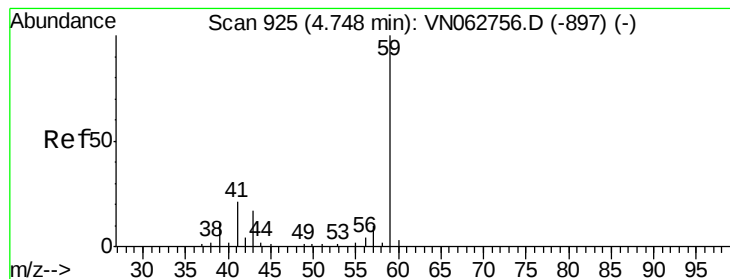


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



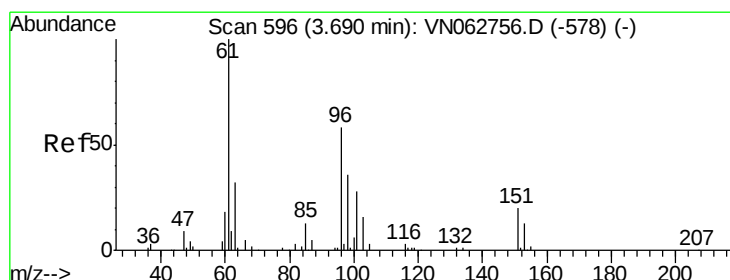
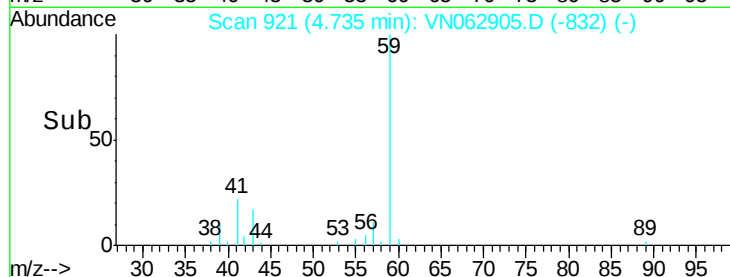
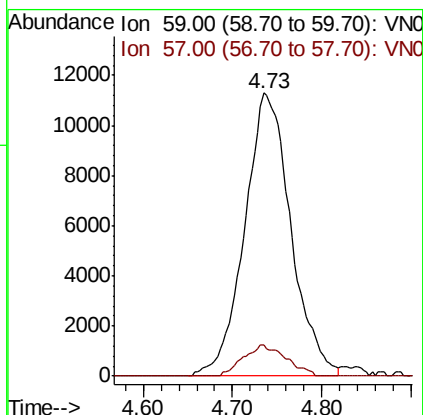
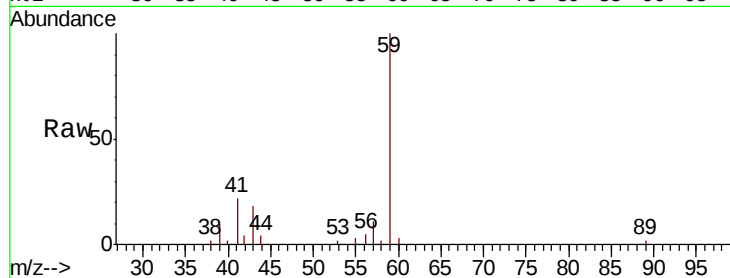


#11

Tert butyl alcohol
 Concen: 95.826 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

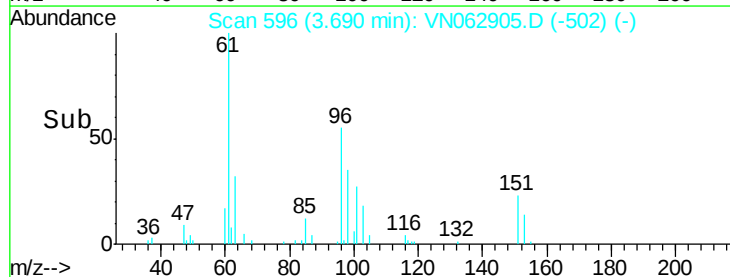
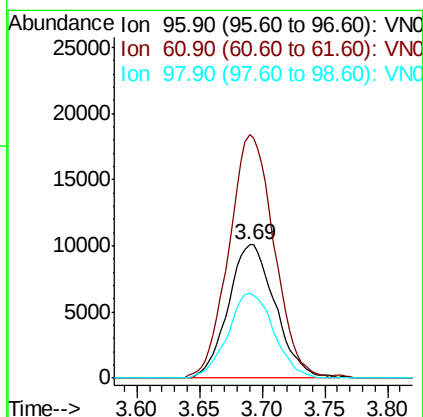
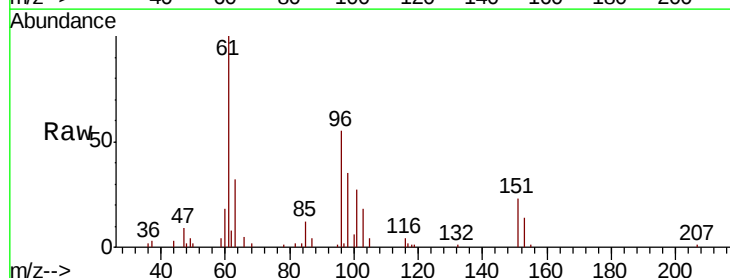
Tot Ion: 59 Resp: 40708
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5

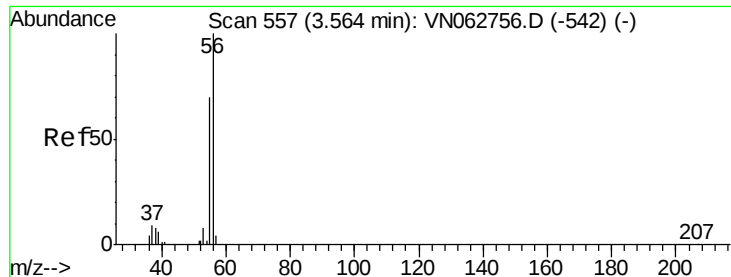


#12

1,1-Dichloroethene
 Concen: 18.899 ug/l
 RT: 3.69 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

Tgt Ion: 96 Resp: 26197
 Ion Ratio Lower Upper
 96 100
 61 180.4 139.0 208.6
 98 63.3 50.2 75.4





#13

Acrolein

Concen: 88.994 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampled :

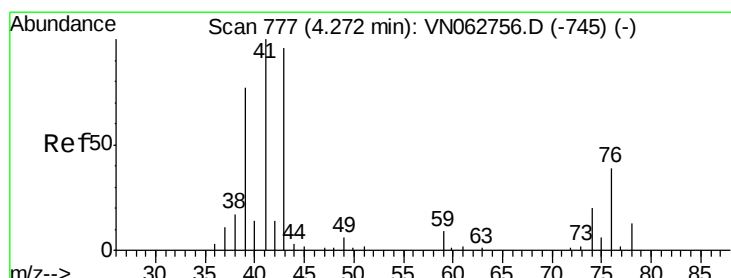
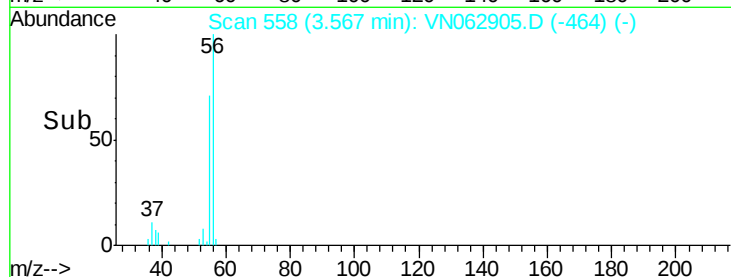
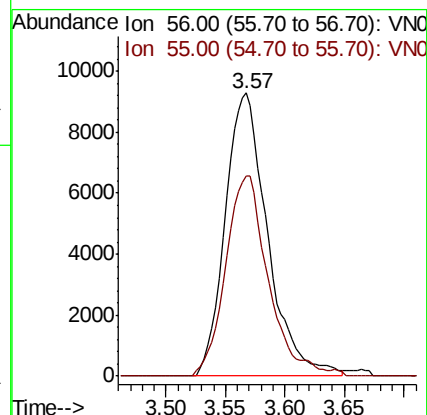
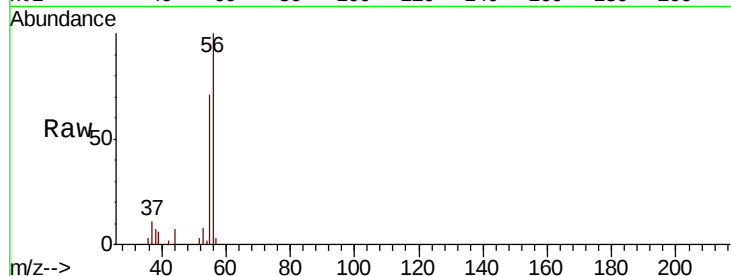
VN0813MBS01

Tot Ion: 56 Resp: 22890

Ion Ratio Lower Upper

56 100

55 71.0 57.0 85.6



#14

Allyl chloride

Concen: 17.996 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

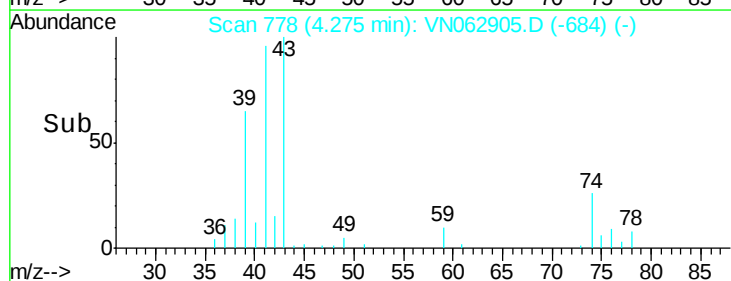
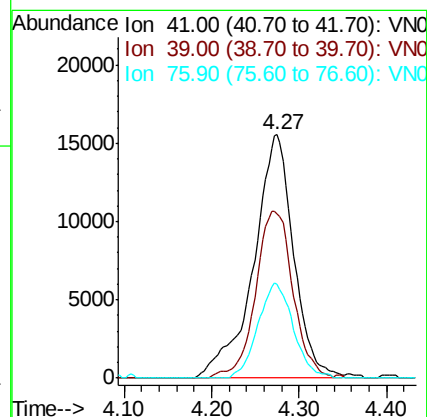
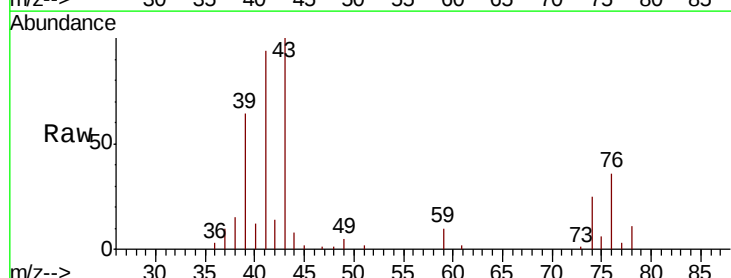
Tgt Ion: 41 Resp: 49384

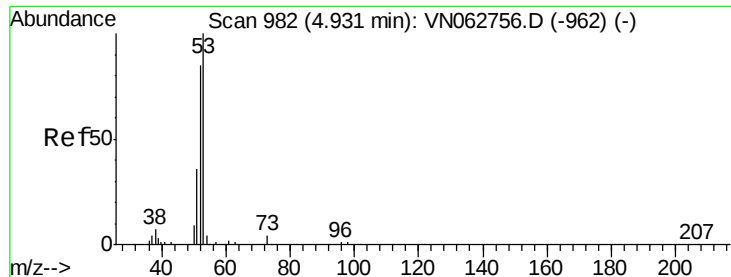
Ion Ratio Lower Upper

41 100

39 63.9 55.7 83.5

76 34.4 27.5 41.3





#15

Acrylonitrile

Concen: 100.354 ug/l

RT: 4.93 min Scan# 982

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

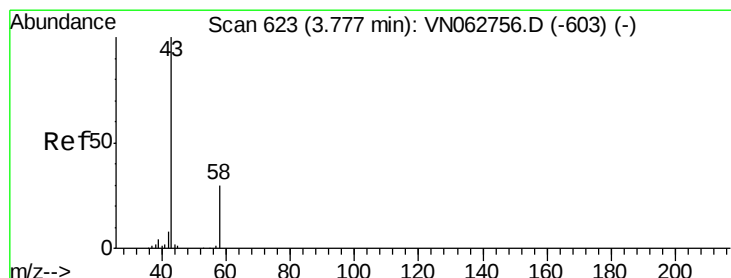
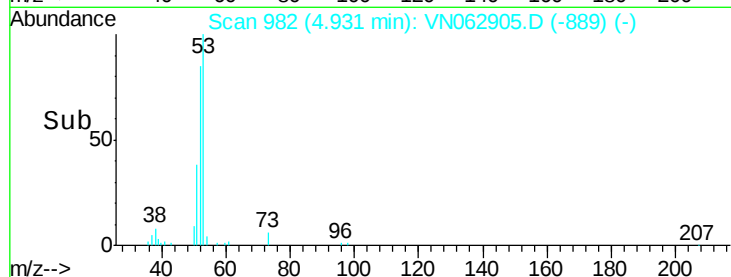
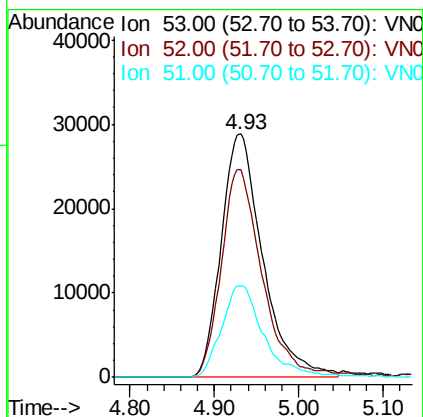
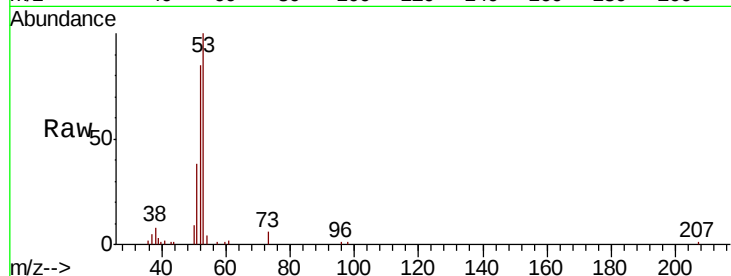
Tot Ion: 53 Resp: 98879

Ion Ratio Lower Upper

53 100

52 83.3 66.8 100.2

51 37.8 29.5 44.3



#16

Acetone

Concen: 93.344 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN062905.D

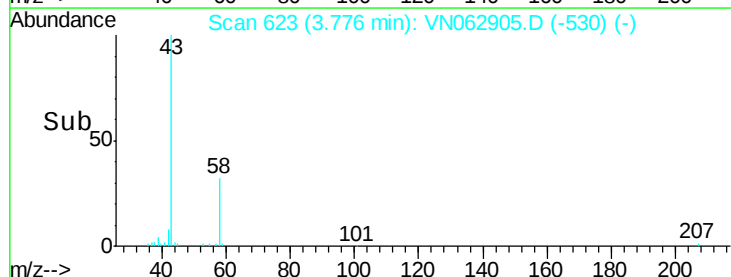
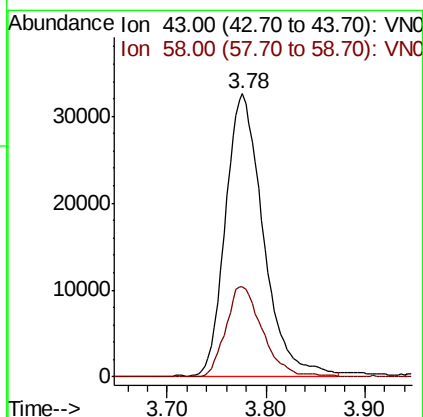
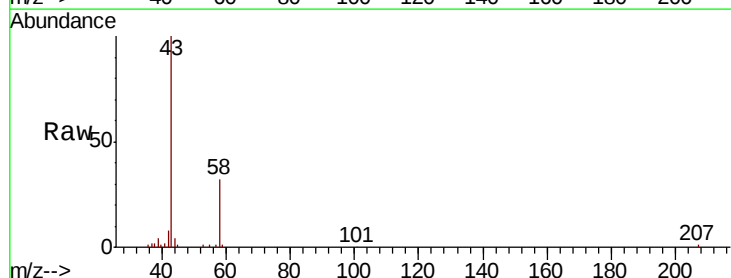
Acq: 13 Aug 2020 12:49

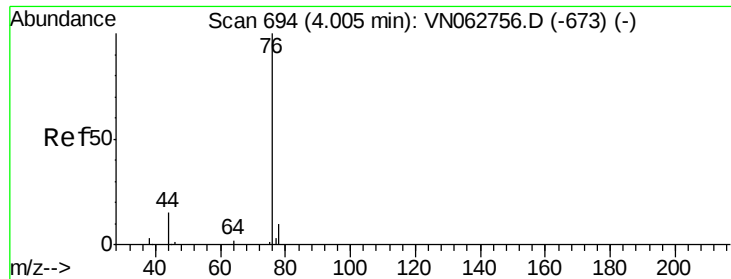
Tgt Ion: 43 Resp: 87422

Ion Ratio Lower Upper

43 100

58 31.7 24.1 36.1

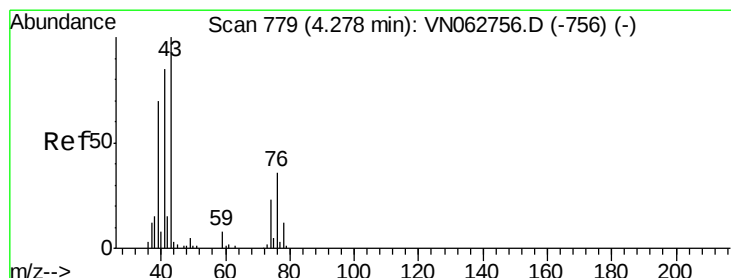
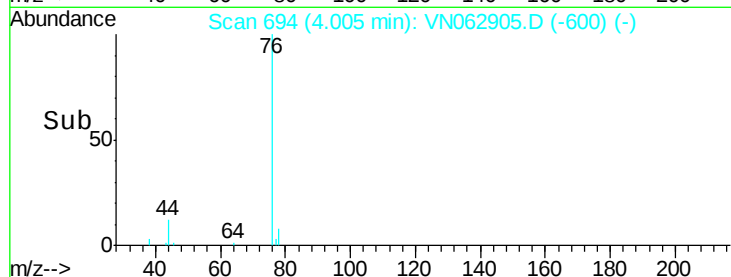
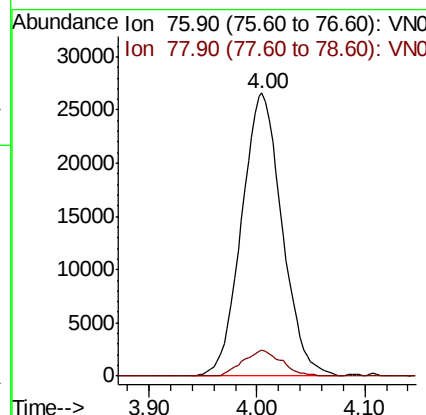
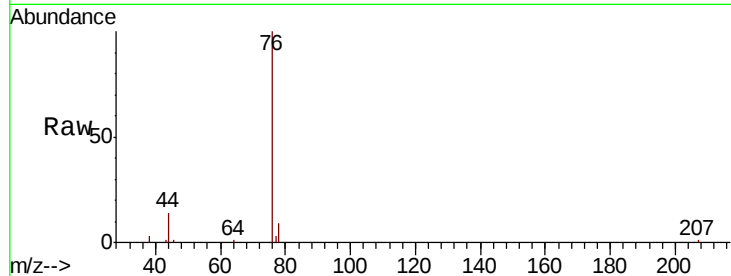




#17
Carbon Disulfide
Concen: 17.677 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

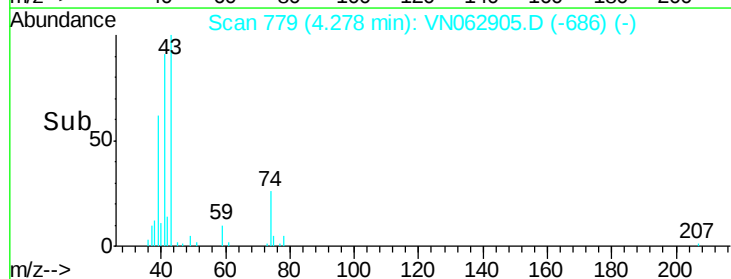
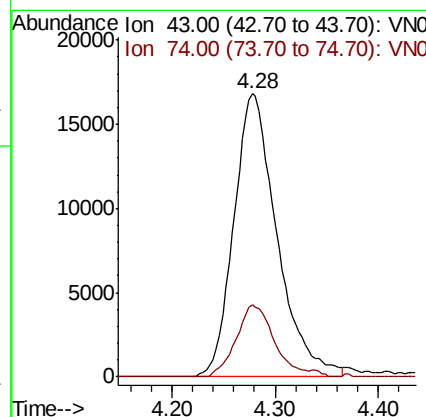
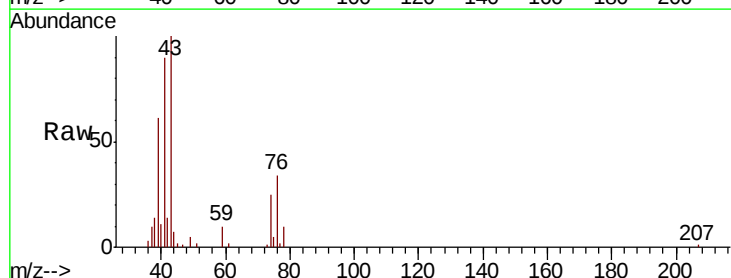
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

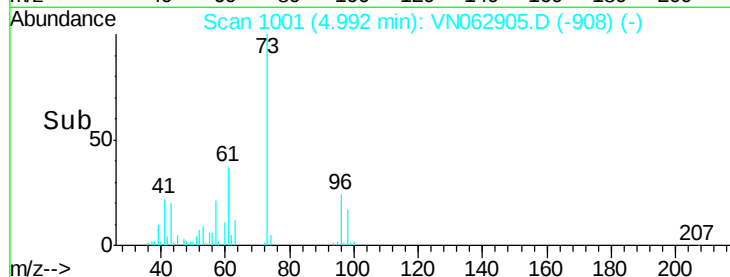
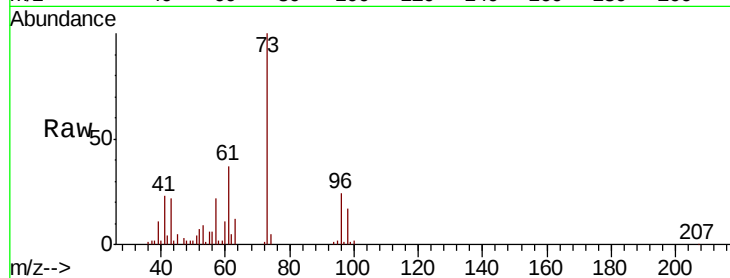
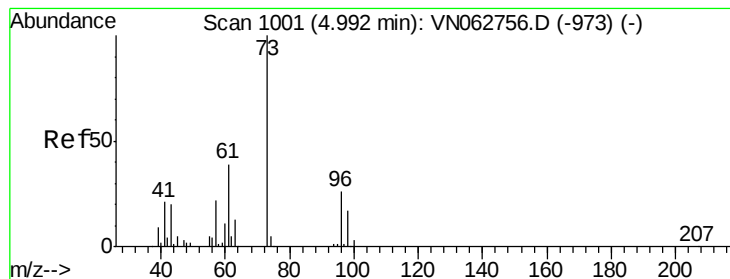
Tot Ion: 76 Resp: 69263
Ion Ratio Lower Upper
76 100
78 9.2 7.7 11.5



#18
Methyl Acetate
Concen: 21.497 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Tgt Ion: 43 Resp: 49045
Ion Ratio Lower Upper
43 100
74 22.9 18.6 28.0



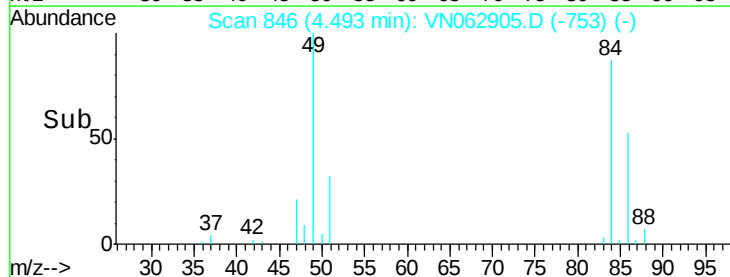
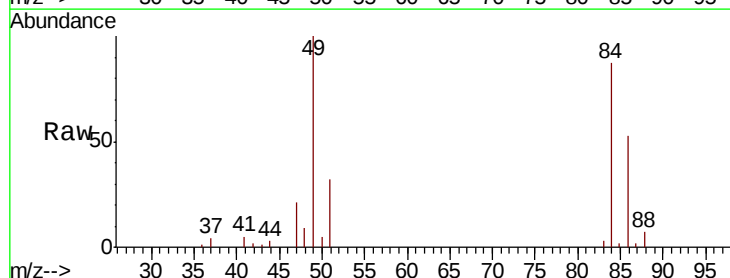
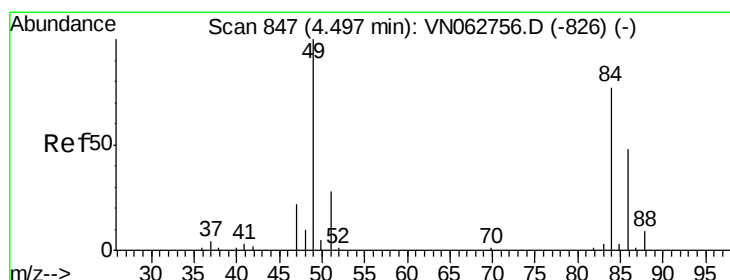
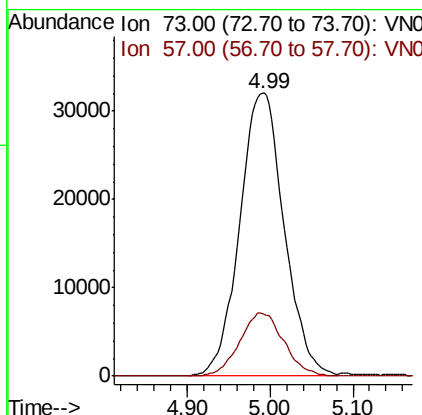


#19

Methyl tert-butyl Ether
Concen: 19.684 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

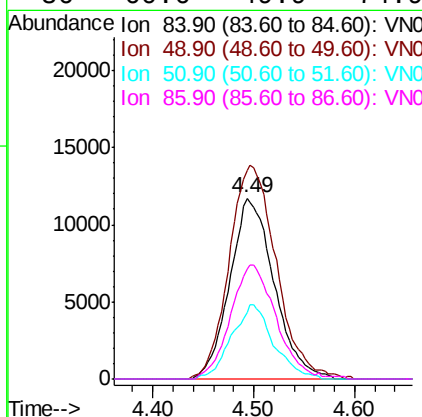
Tot Ion: 73 Resp: 119532
Ion Ratio Lower Upper
73 100
57 22.0 17.5 26.3

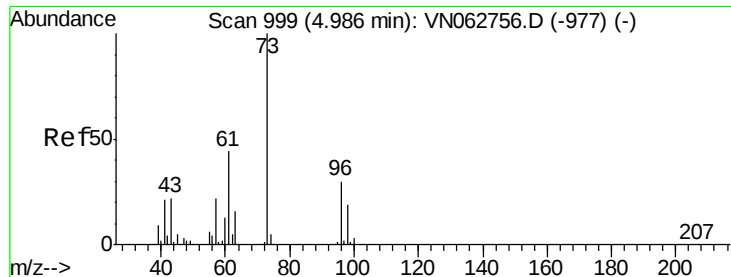


#20

Methylene Chloride
Concen: 20.452 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Tgt Ion: 84 Resp: 35824
Ion Ratio Lower Upper
84 100
49 115.3 103.4 155.2
51 37.1 29.3 43.9
86 60.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 17.903 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

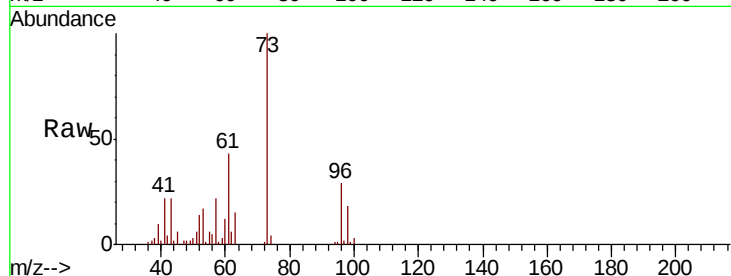
Tot Ion: 96 Resp: 28080

Ion Ratio Lower Upper

96 100

61 146.8 118.8 178.2

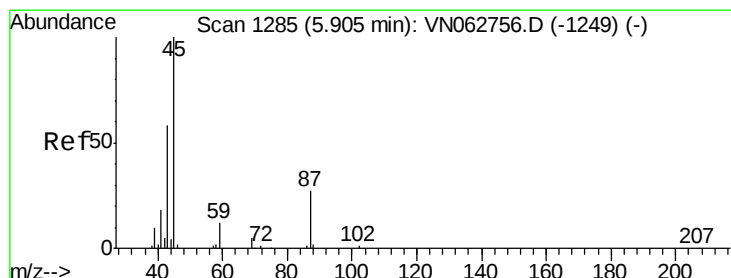
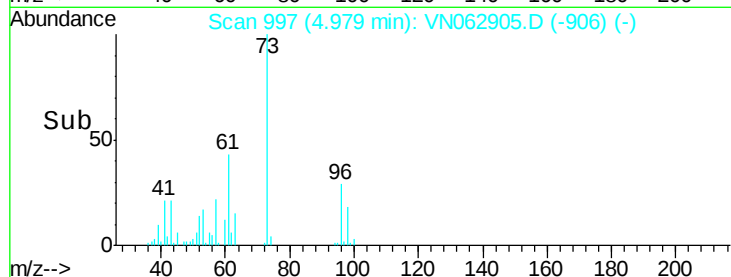
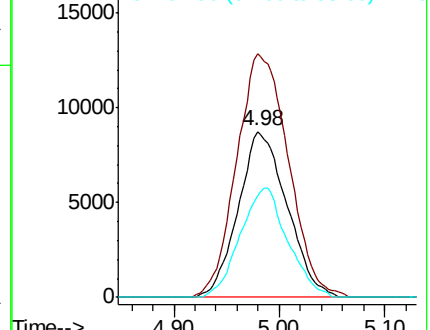
98 60.9 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN062756.D (-977) (-)

Ion 60.90 (60.60 to 61.60): VN062756.D (-977) (-)

Ion 97.90 (97.60 to 98.60): VN062756.D (-977) (-)



#22

Diisopropyl ether

Concen: 20.568 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Tgt Ion: 45 Resp: 120151

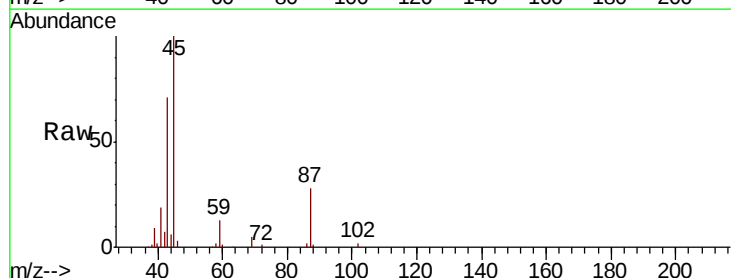
Ion Ratio Lower Upper

45 100

43 67.7 47.4 71.2

87 27.9 22.8 34.2

59 12.7 9.9 14.9

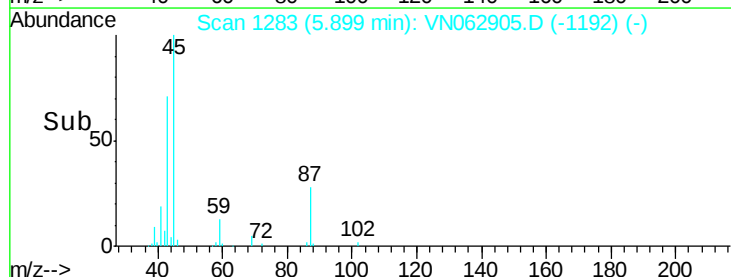
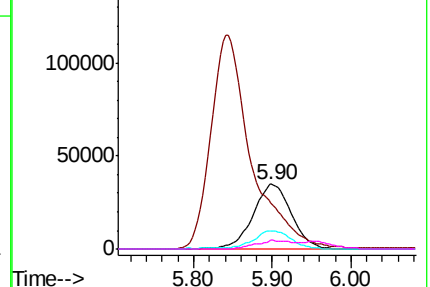


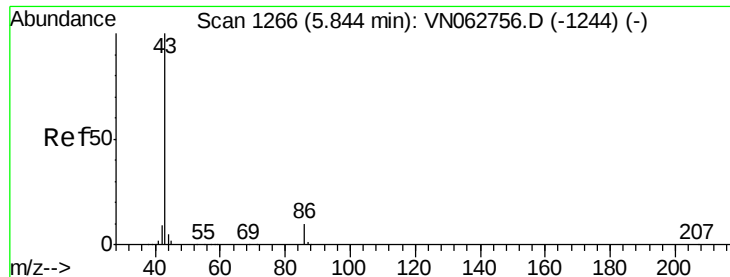
Abundance Ion 45.00 (44.70 to 45.70): VN062756.D (-1249) (-)

Ion 43.00 (42.70 to 43.70): VN062756.D (-1249) (-)

Ion 87.00 (86.70 to 87.70): VN062756.D (-1249) (-)

Ion 59.00 (58.70 to 59.70): VN062756.D (-1249) (-)





#23

Vinyl Acetate

Concen: 92.052 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampled :

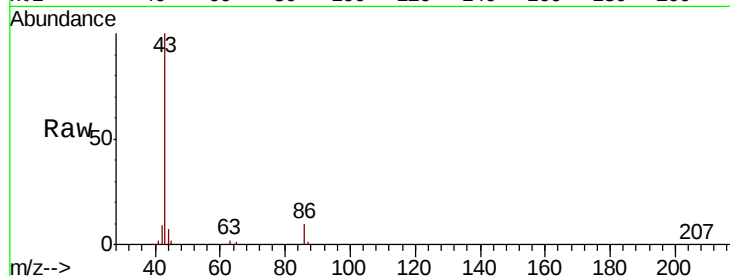
VN0813MBS01

Tot Ion: 43 Resp: 409010

Ion Ratio Lower Upper

43 100

86 9.7 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

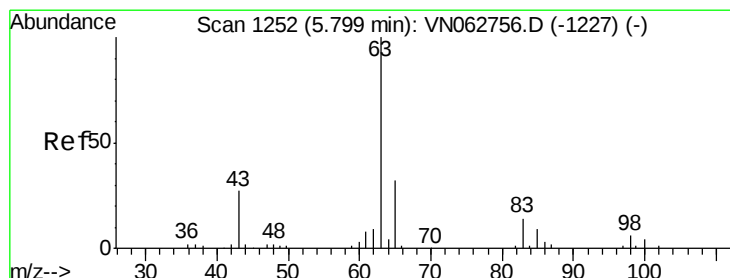
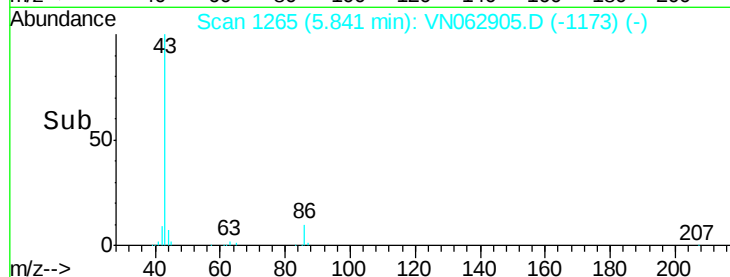
5.84

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.985 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

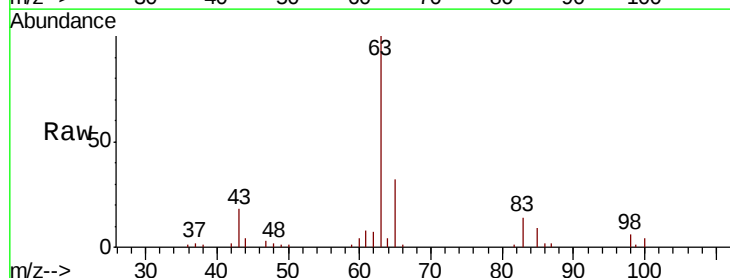
Tgt Ion: 63 Resp: 64992

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 4.1 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

25000

20000

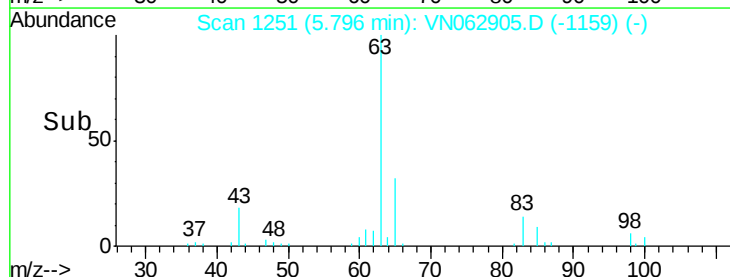
15000

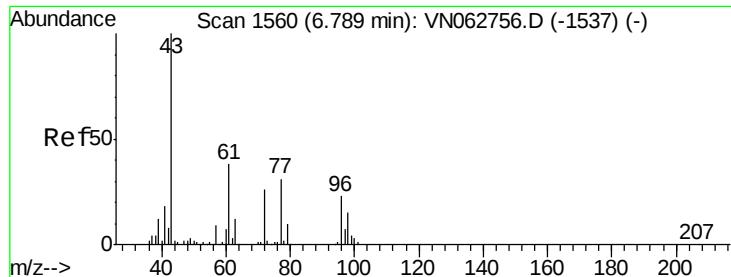
10000

5000

0

Time-->





#25

2-Butanone

Concen: 96.967 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampled :

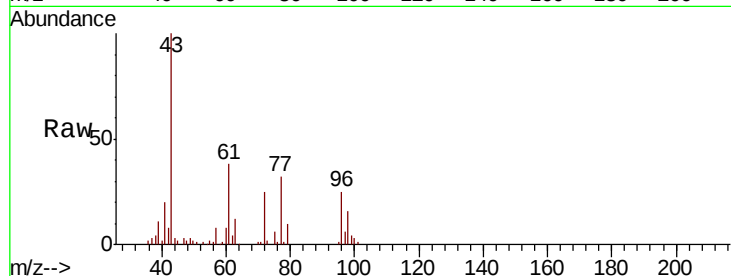
VN0813MBS01

Tot Ion: 43 Resp: 128623

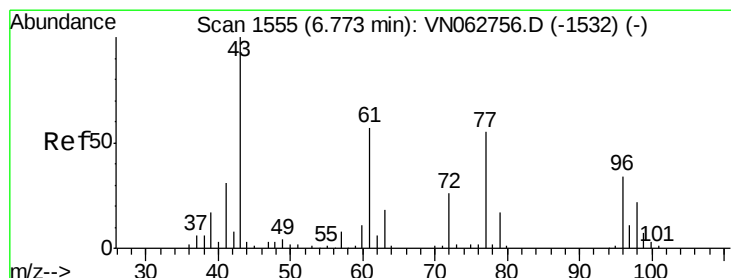
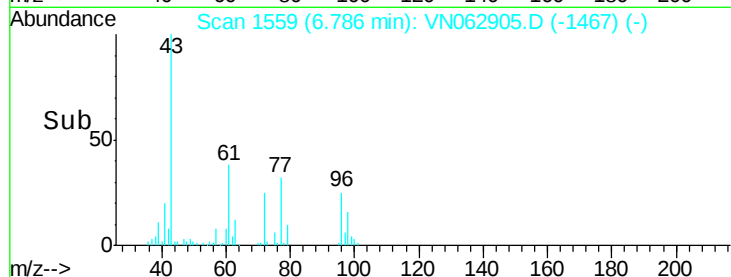
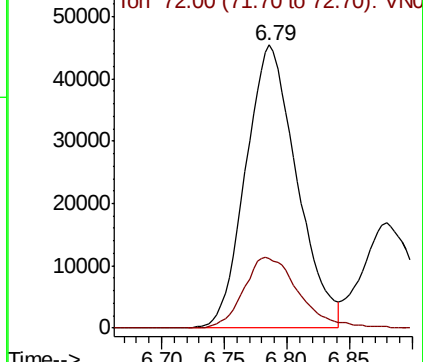
Ion Ratio Lower Upper

43 100

72 24.5 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-1537) (-)



#26

2,2-Dichloropropane

Concen: 17.889 ug/l

RT: 6.77 min Scan# 1553

Delta R.T. -0.01 min

Lab File: VN062905.D

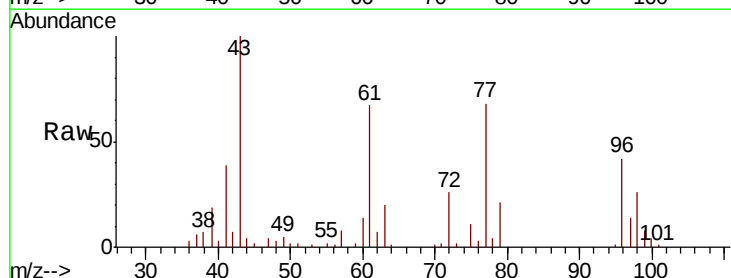
Acq: 13 Aug 2020 12:49

Tgt Ion: 77 Resp: 56450

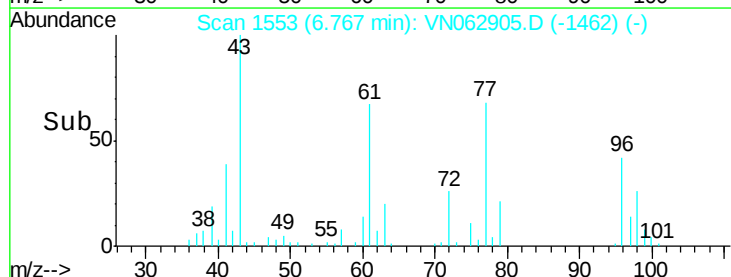
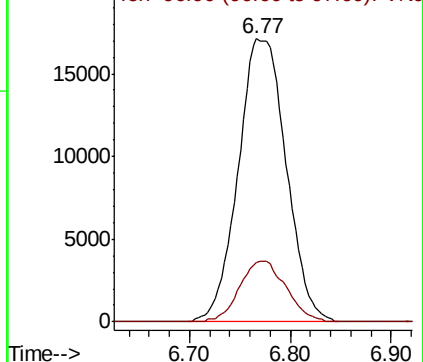
Ion Ratio Lower Upper

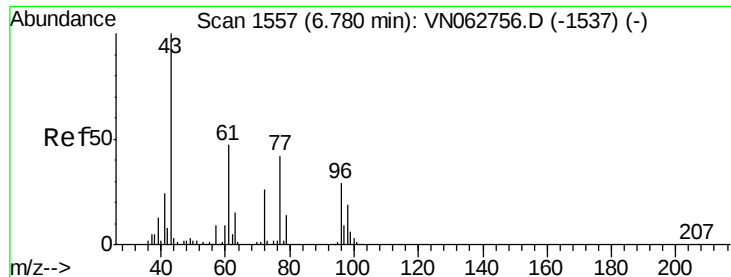
77 100

97 20.8 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN062756.D (-1532) (-)





#27

cis-1,2-Dichloroethene

Concen: 19.971 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

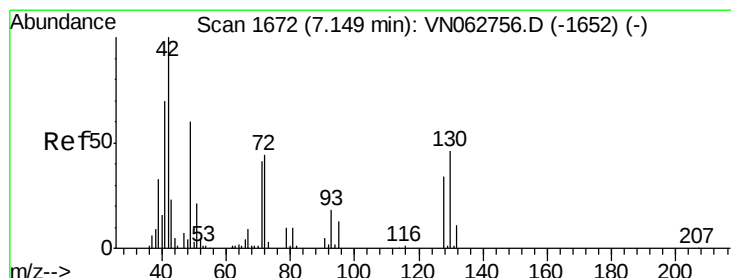
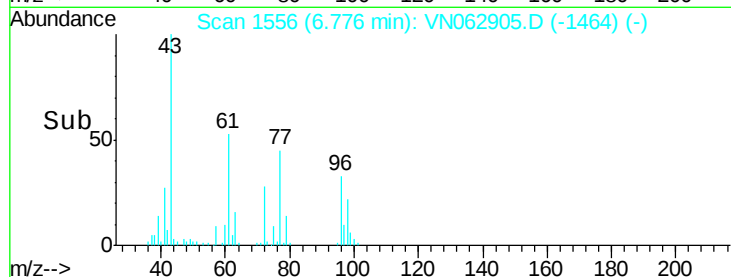
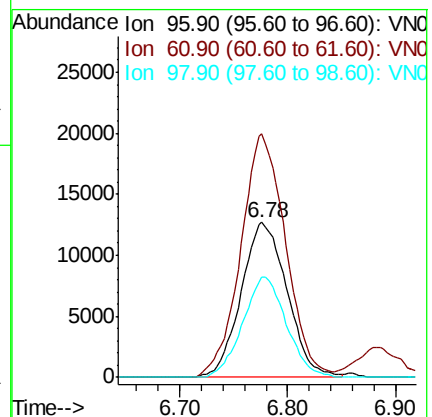
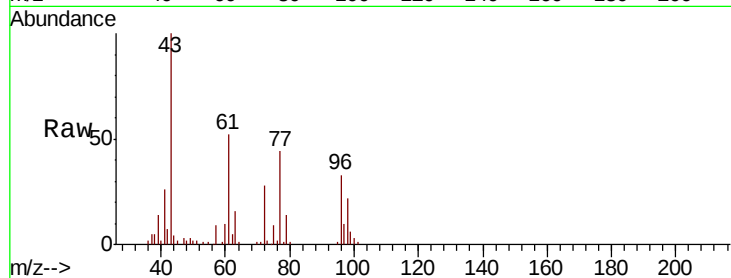
Tot Ion: 96 Resp: 37577

Ion Ratio Lower Upper

96 100

61 153.0 0.0 332.2

98 61.3 0.0 129.4



#28

Bromochloromethane

Concen: 19.133 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

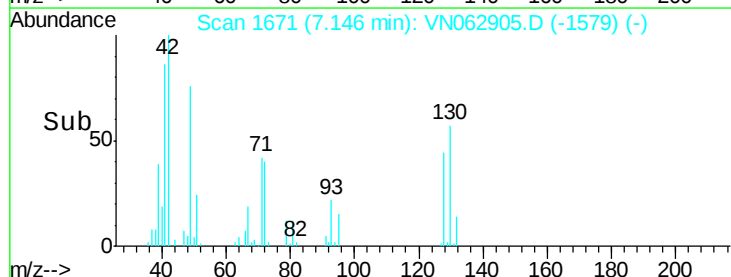
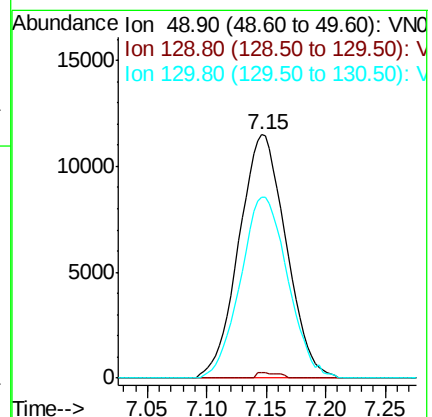
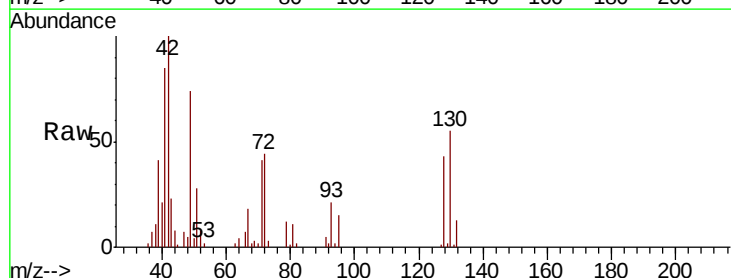
Tgt Ion: 49 Resp: 31612

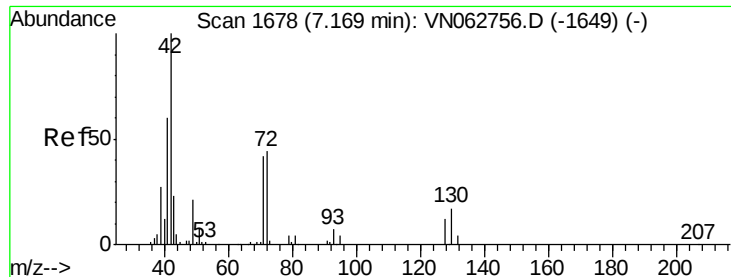
Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.2

130 74.4 59.0 88.6

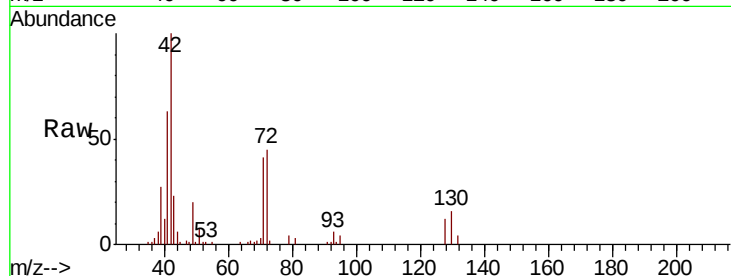




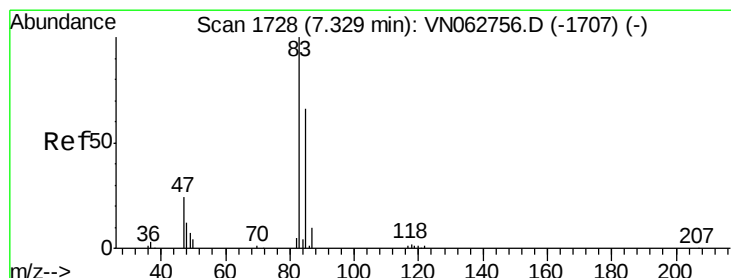
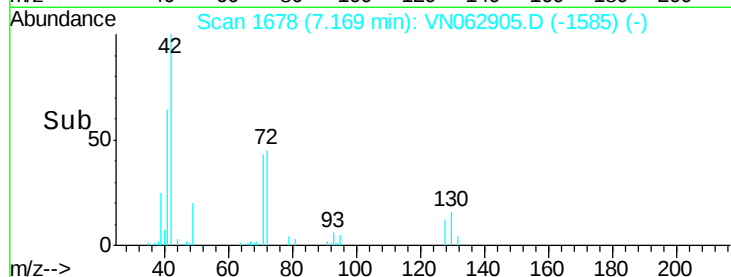
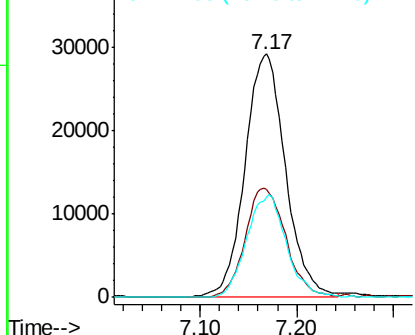
#29
Tetrahydrofuran
Concen: 98.443 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

Tot Ion: 42 Resp: 84834
Ion Ratio Lower Upper
42 100
72 44.8 35.0 52.4
71 41.4 33.2 49.8

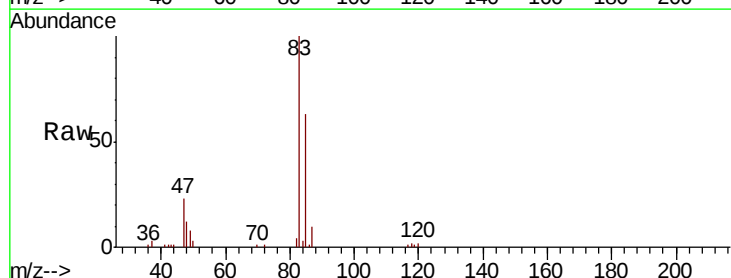


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

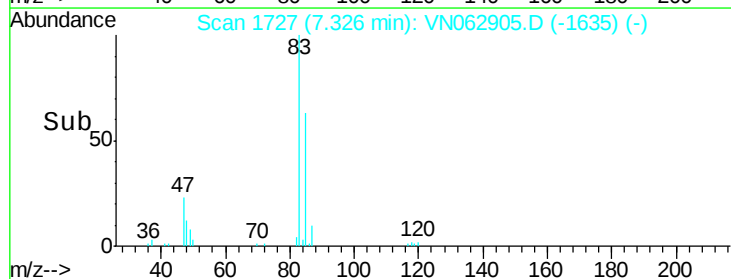
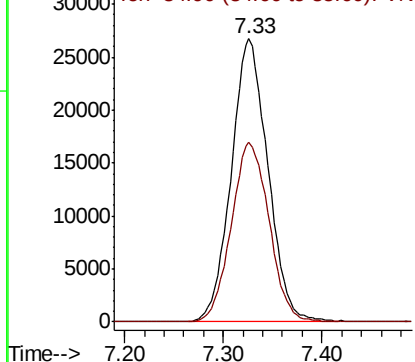


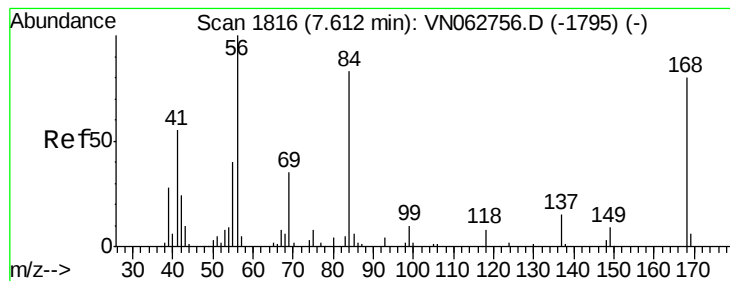
#30
Chloroform
Concen: 18.955 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Tgt Ion: 83 Resp: 68959
Ion Ratio Lower Upper
83 100
85 63.3 52.7 79.1



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





#31

Cyclohexane

Concen: 18.744 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

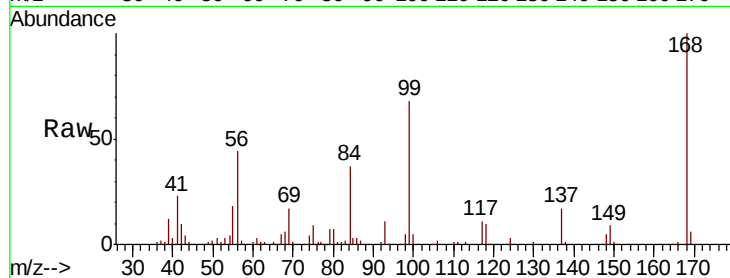
Tot Ion: 56 Resp: 58902

Ion Ratio Lower Upper

56 100

69 39.2 28.1 42.1

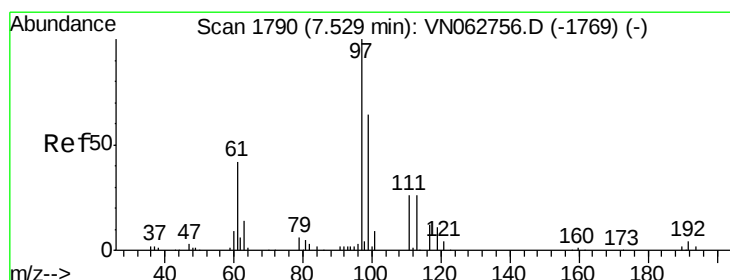
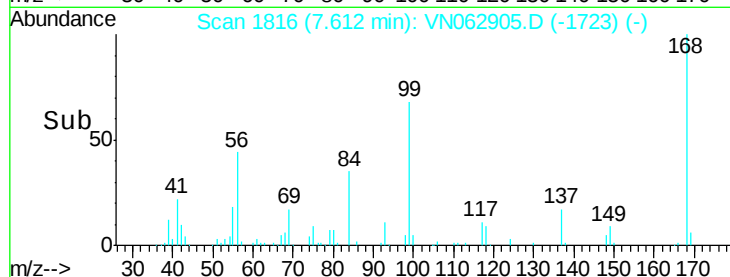
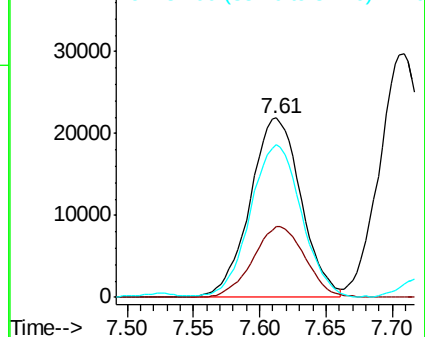
84 84.0 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VN062905.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN062905.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN062905.D (-1723) (-)



#32

1,1,1-Trichloroethane

Concen: 18.158 ug/l

RT: 7.53 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

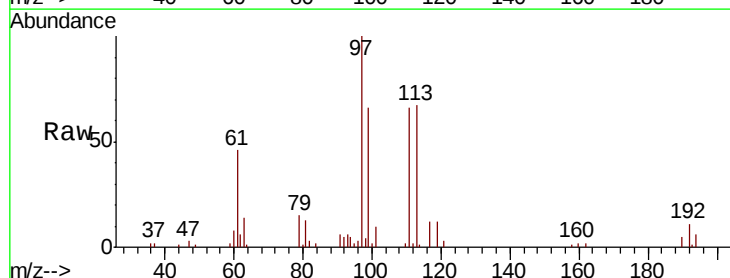
Tgt Ion: 97 Resp: 59062

Ion Ratio Lower Upper

97 100

99 65.5 50.0 75.0

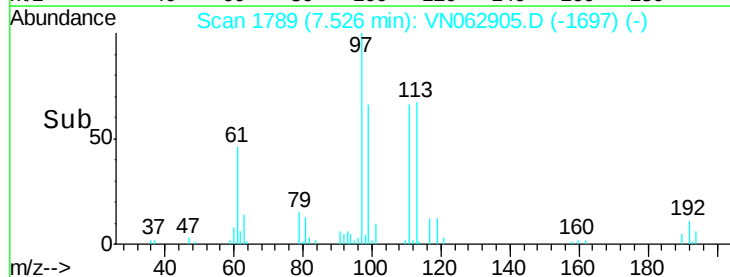
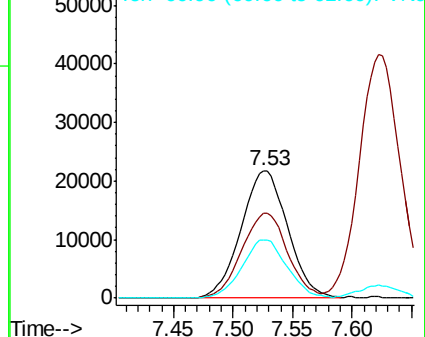
61 44.2 34.8 52.2

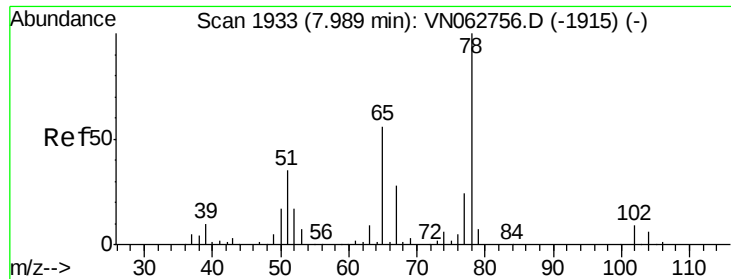


Abundance Ion 96.90 (96.60 to 97.60): VN062905.D (-1697) (-)

Ion 98.90 (98.60 to 99.60): VN062905.D (-1697) (-)

Ion 60.90 (60.60 to 61.60): VN062905.D (-1697) (-)

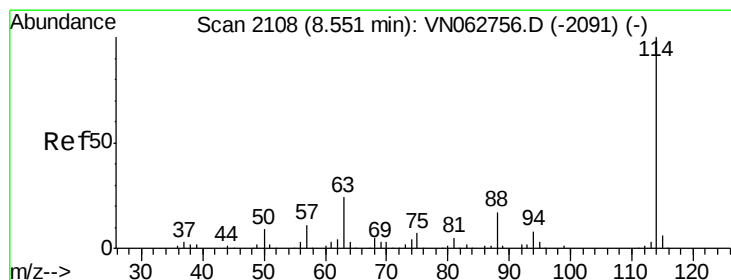
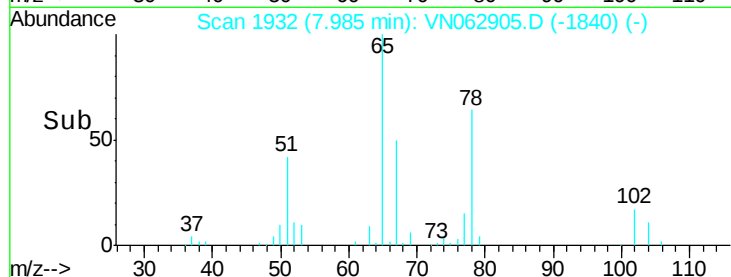
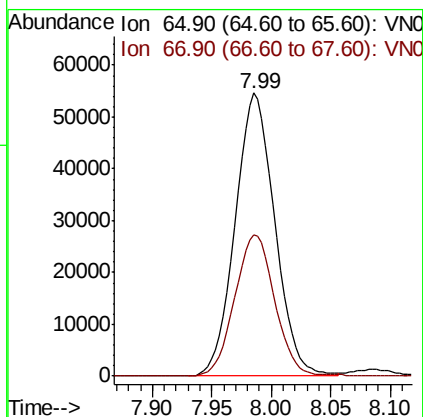
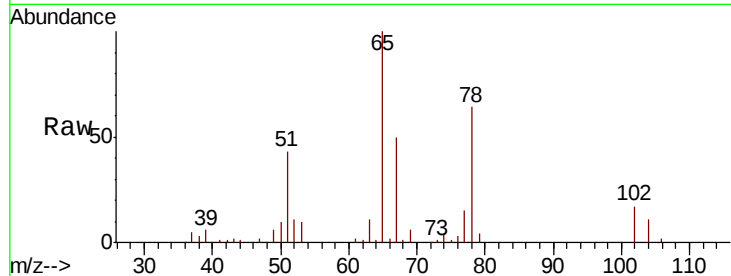




#33
 1,2-Dichloroethane-d4
 Concen: 48.639 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

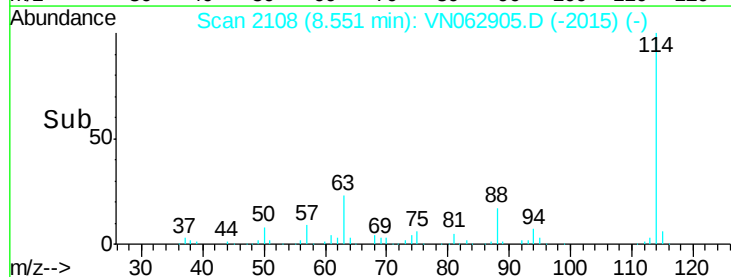
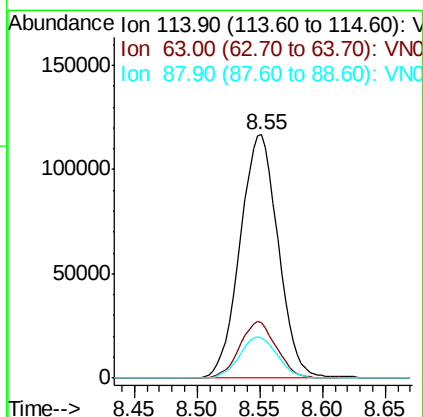
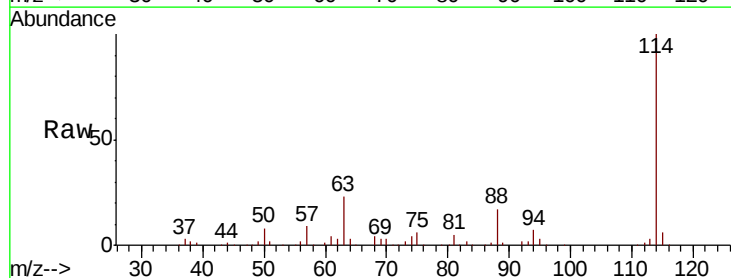
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

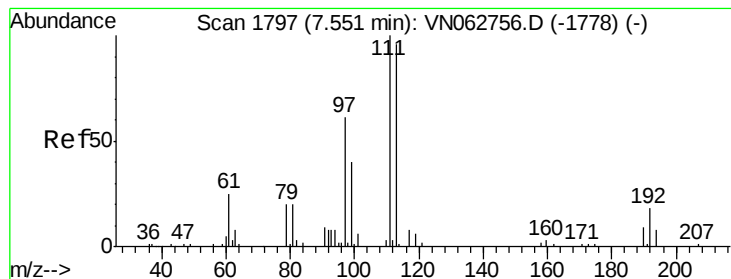
Tot Ion: 65 Resp: 126069
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

Tgt Ion: 114 Resp: 246811
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 47.6
 88 16.6 0.0 34.4





#35

Dibromofluoromethane

Concen: 51.425 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.01 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

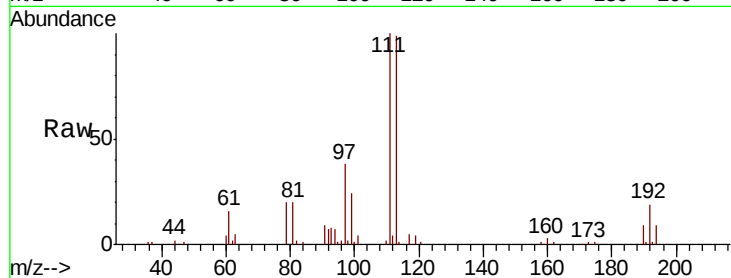
Tot Ion:113 Resp: 86823

Ion Ratio Lower Upper

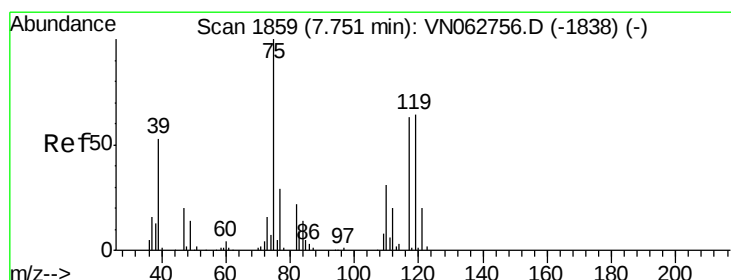
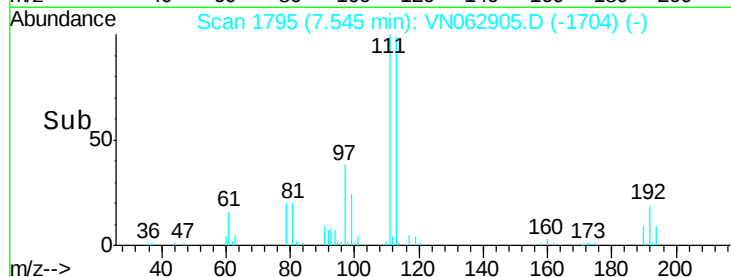
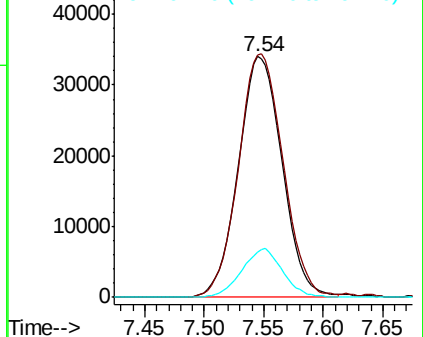
113 100

111 102.7 81.8 122.6

192 18.9 15.0 22.4



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: 18.949 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

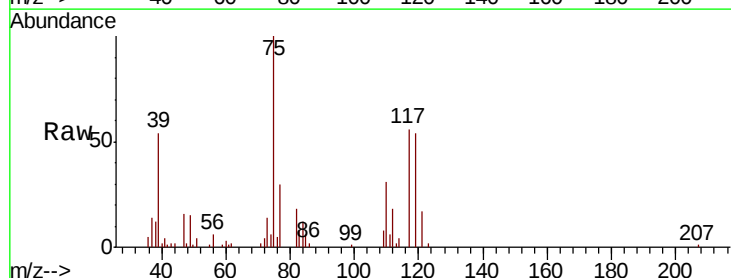
Tgt Ion: 75 Resp: 45538

Ion Ratio Lower Upper

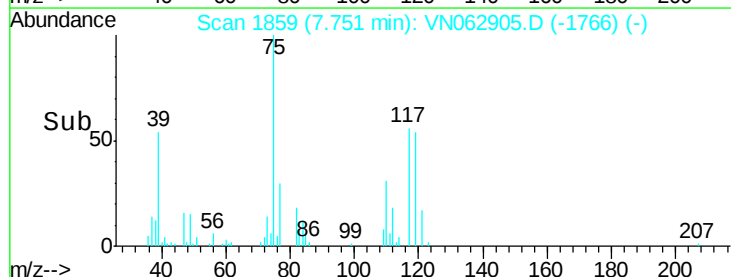
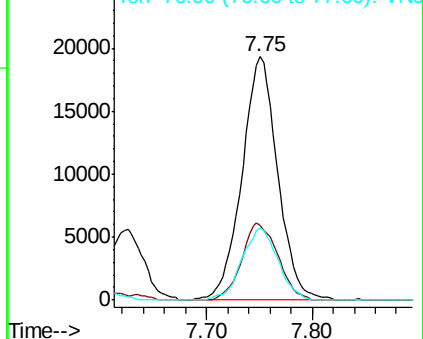
75 100

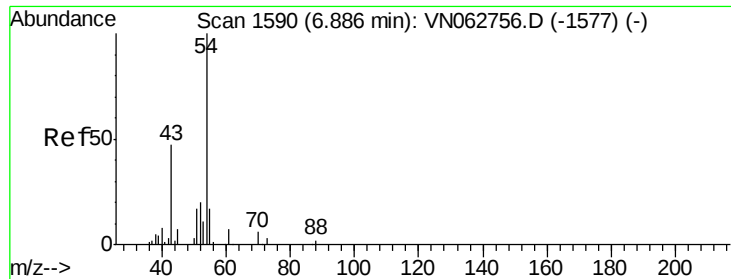
110 31.9 15.6 46.7

77 30.0 24.1 36.1



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





#37

Ethyl Acetate

Concen: 19.732 ug/l

RT: 6.88 min Scan# 1588

Delta R.T. -0.01 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampled :

VN0813MBS01

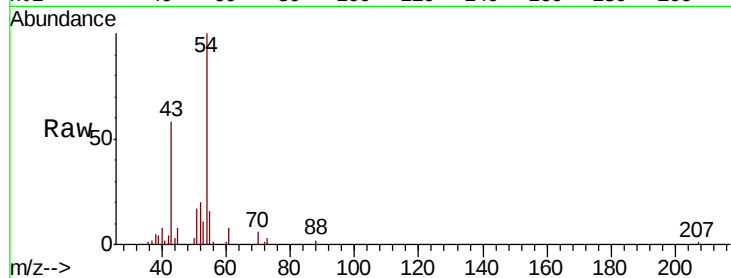
Tot Ion: 43 Resp: 49536

Ion Ratio Lower Upper

43 100

61 14.3 12.1 18.1

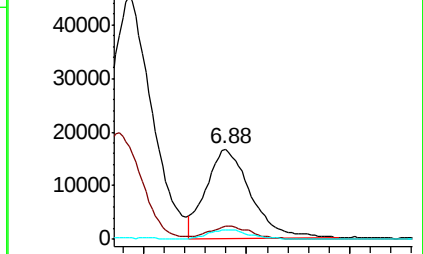
70 9.6 8.3 12.5



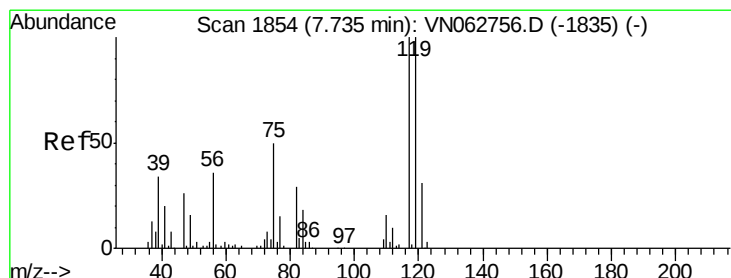
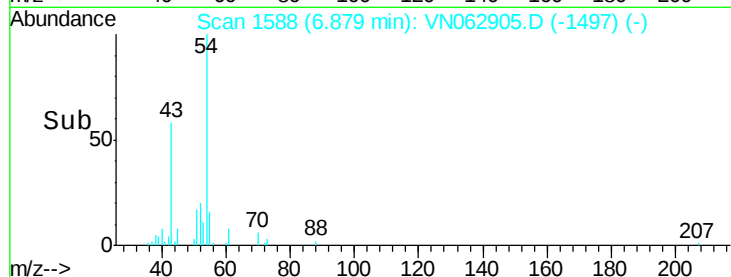
Abundance Ion 43.00 (42.70 to 43.70): VN062756.D (-1577) (-)

Ion 60.90 (60.60 to 61.60): VN062756.D (-1577) (-)

Ion 70.00 (69.70 to 70.70): VN062756.D (-1577) (-)



Time-->



#38

Carbon Tetrachloride

Concen: 18.033 ug/l

RT: 7.73 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

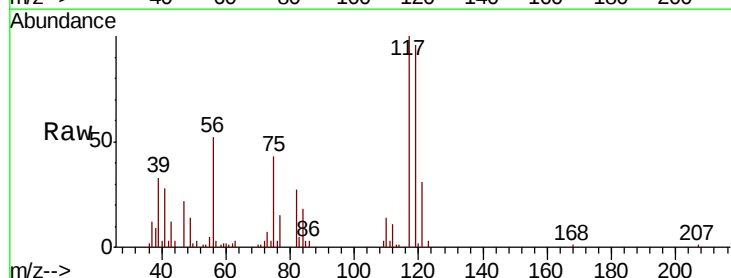
Tgt Ion: 117 Resp: 51256

Ion Ratio Lower Upper

117 100

119 95.7 79.4 119.2

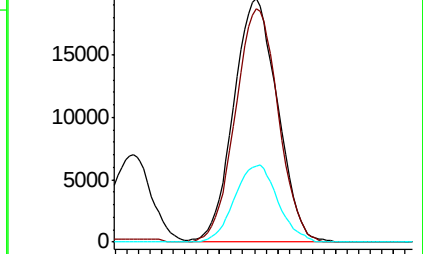
121 31.4 24.9 37.3



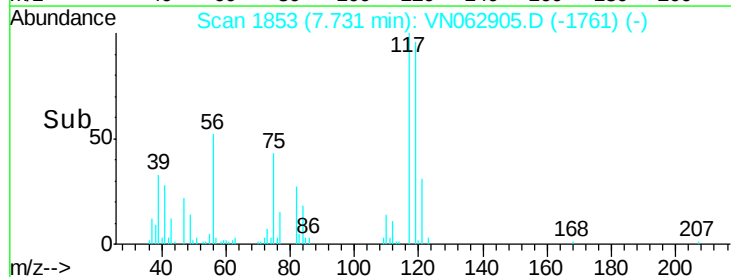
Abundance Ion 116.80 (116.50 to 117.50): VN062756.D (-1835) (-)

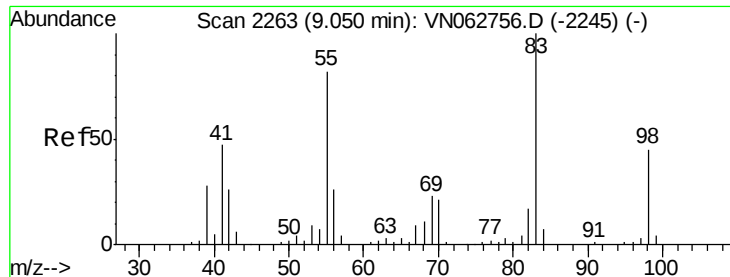
Ion 118.80 (118.50 to 119.50): VN062756.D (-1835) (-)

Ion 120.80 (120.50 to 121.50): VN062756.D (-1835) (-)



Time-->

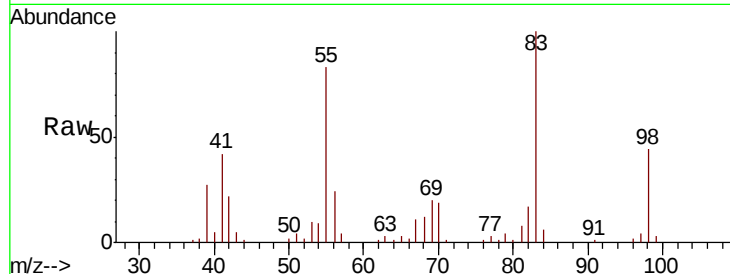




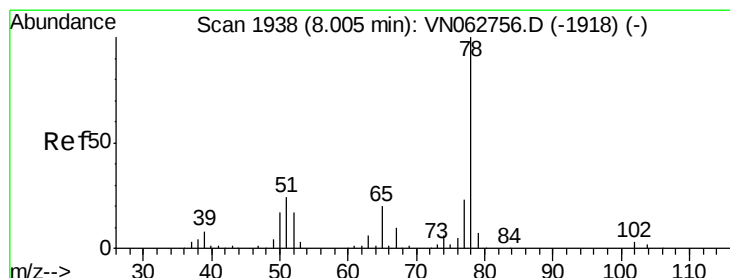
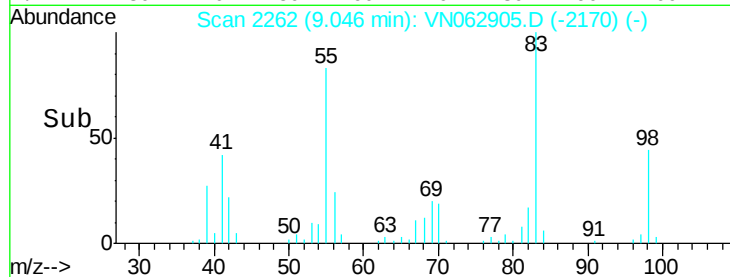
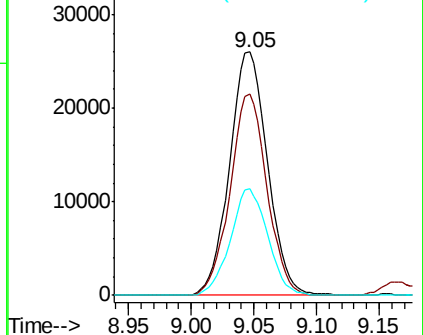
#39
Methvlcvclohexane
Concen: 18.926 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

Tot Ion: 83 Resp: 54738
Ion Ratio Lower Upper
83 100
55 82.7 65.7 98.5
98 43.6 35.6 53.4

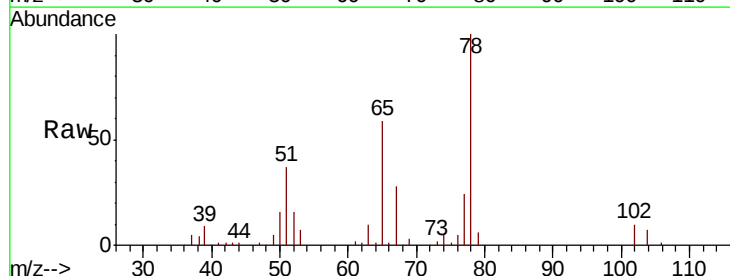


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

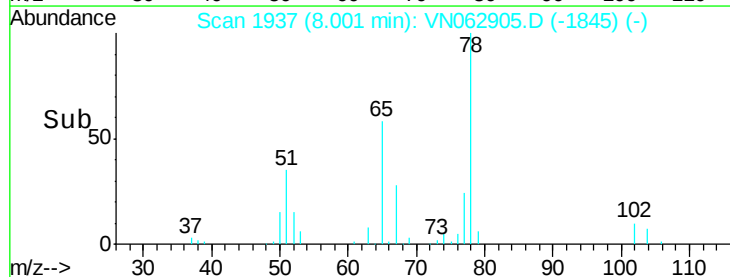
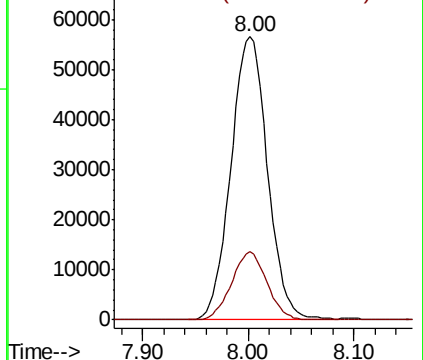


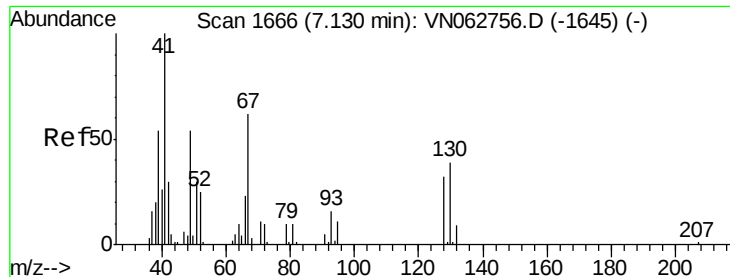
#40
Benzene
Concen: 18.971 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Tgt Ion: 78 Resp: 136045
Ion Ratio Lower Upper
78 100
77 24.0 18.1 27.1



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

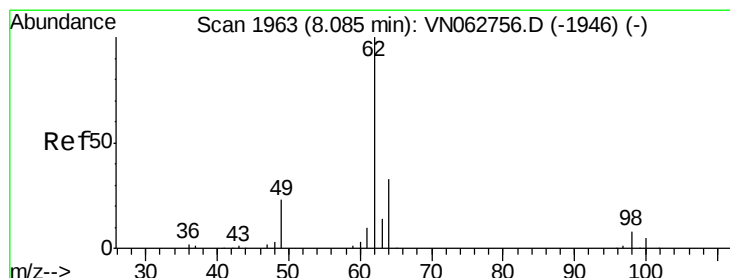
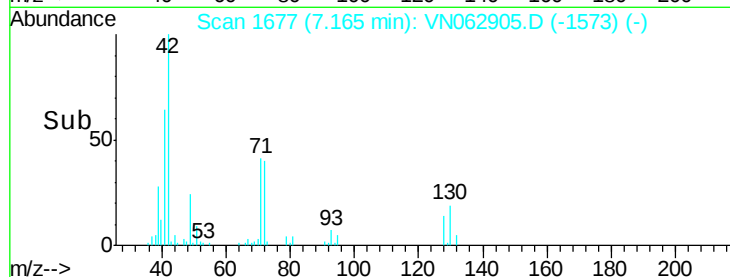
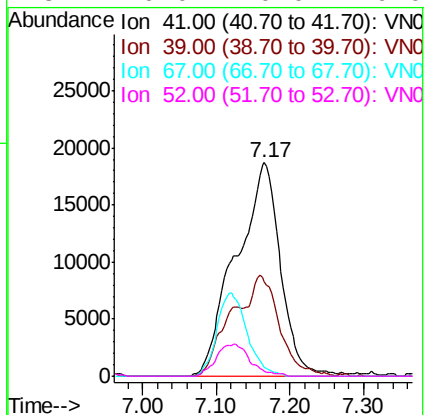
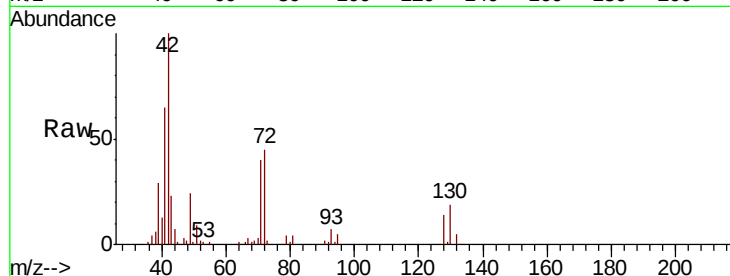




#41
Methacrylonitrile
Concen: 69.158 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.04 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

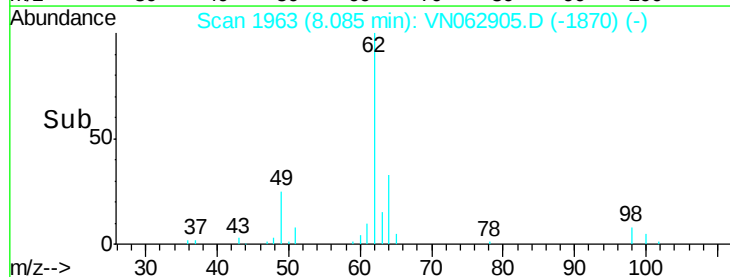
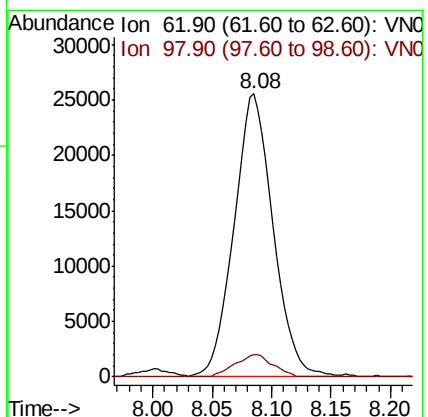
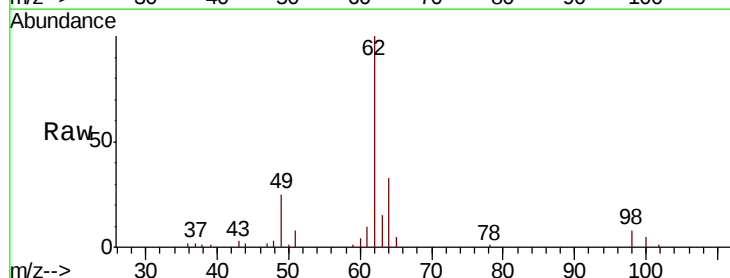
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

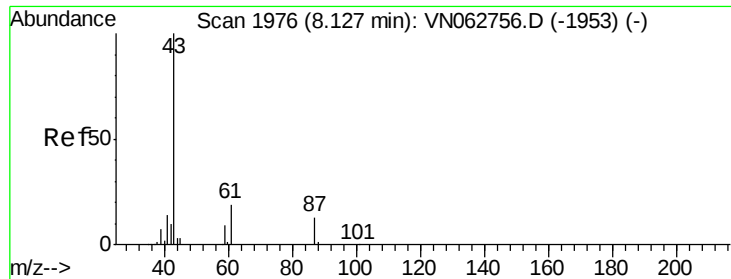
Tot Ion: 41 Resp: 78342
Ion Ratio Lower Upper
41 100
39 28.1 69.4 104.2#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 19.074 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Tgt Ion: 62 Resp: 58217
Ion Ratio Lower Upper
62 100
98 7.7 0.0 15.8





#43

Isopropyl Acetate

Concen: 19.252 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

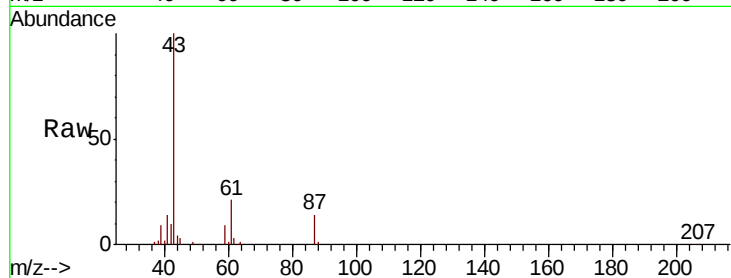
Tot Ion: 43 Resp: 80612

Ion Ratio Lower Upper

43 100

61 20.5 15.8 23.6

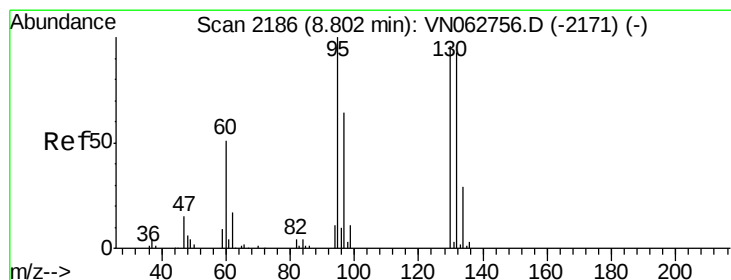
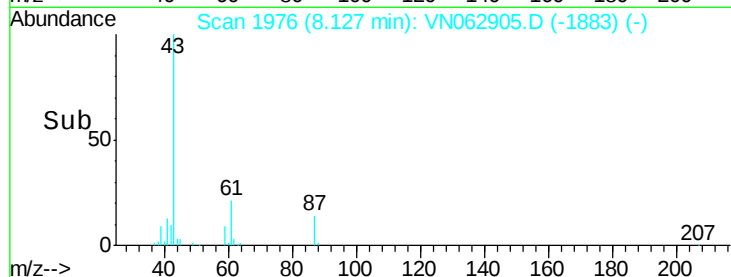
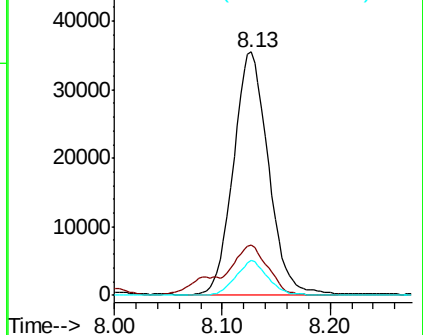
87 13.0 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VN062905.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062905.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062905.D (-1883) (-)



#44

Trichloroethene

Concen: 19.057 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062905.D

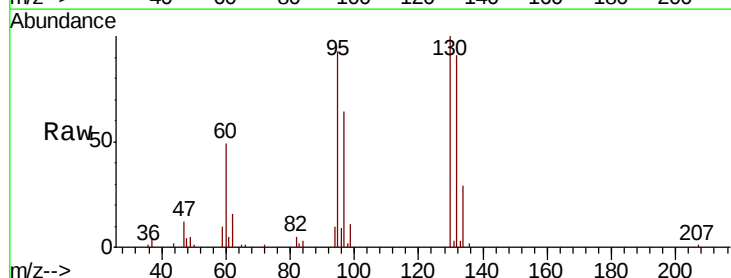
Acq: 13 Aug 2020 12:49

Tgt Ion: 130 Resp: 33296

Ion Ratio Lower Upper

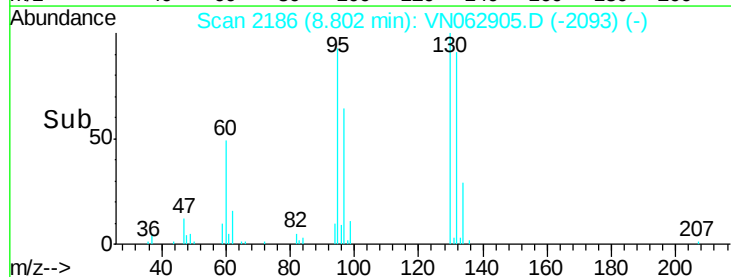
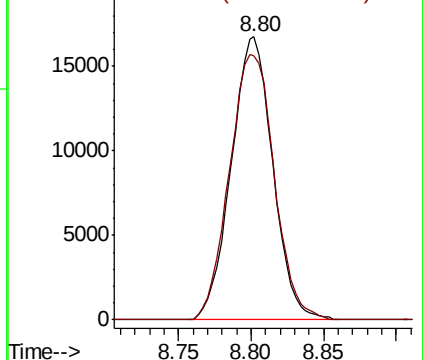
130 100

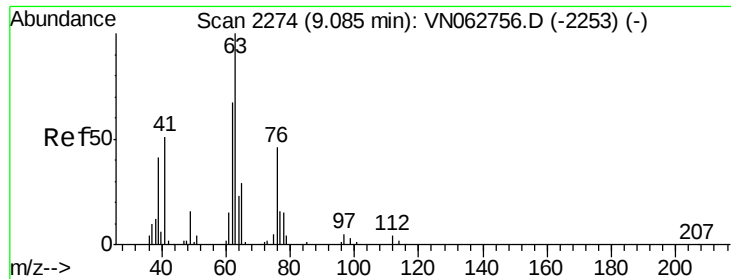
95 93.3 0.0 207.6



Abundance Ion 129.80 (129.50 to 130.50): VN062905.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062905.D (-2093) (-)





#45

1,2-Dichloropropane

Concen: 19.923 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

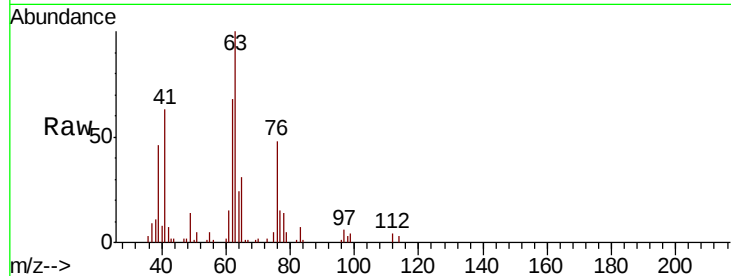
VN0813MBS01

Tot Ion: 63 Resp: 38669

Ion Ratio Lower Upper

63 100

65 30.6 23.5 35.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.08

20000

15000

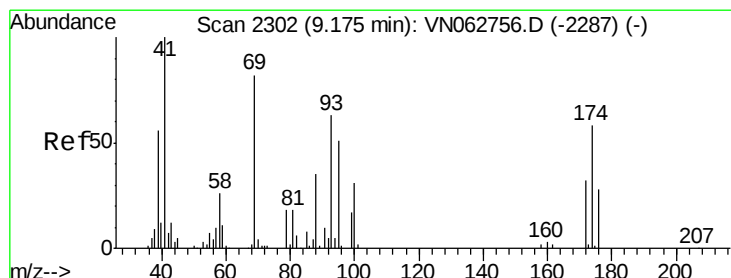
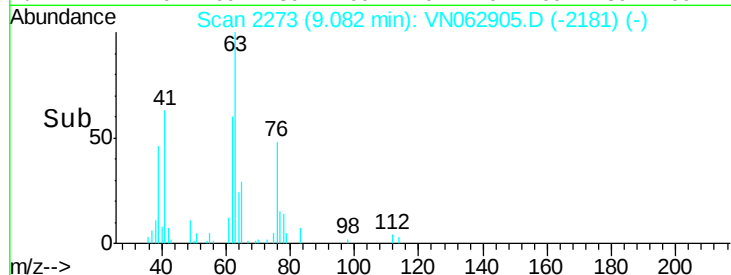
10000

5000

0

Time-->

9.00 9.05 9.10 9.15



#46

Dibromomethane

Concen: 20.030 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

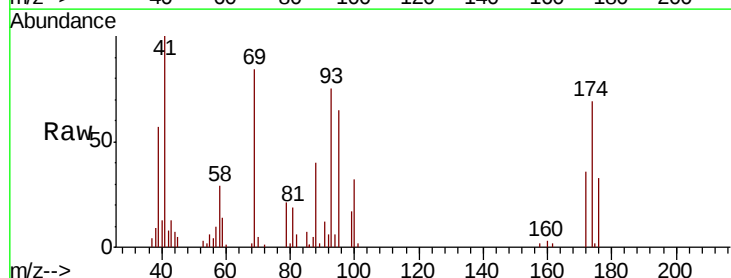
Tgt Ion: 93 Resp: 25473

Ion Ratio Lower Upper

93 100

95 83.0 65.1 97.7

174 90.2 73.9 110.9



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

15000

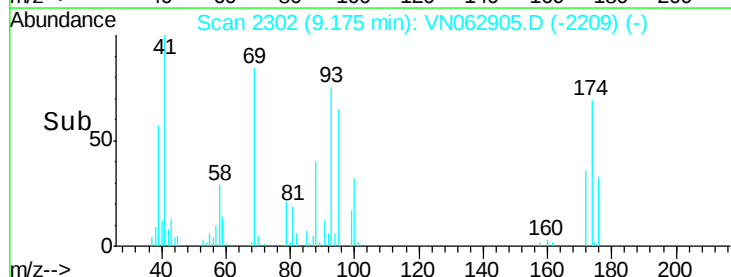
10000

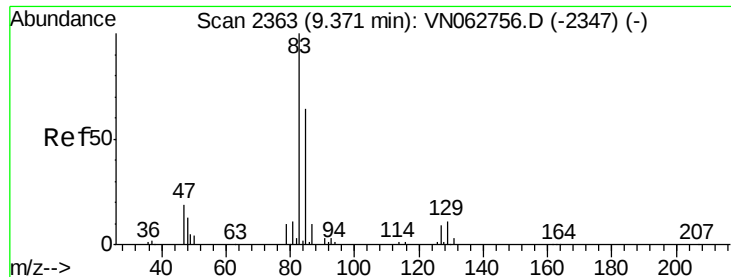
5000

0

Time-->

9.10 9.15 9.20 9.25





#47

Bromodichloromethane

Concen: 19.366 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

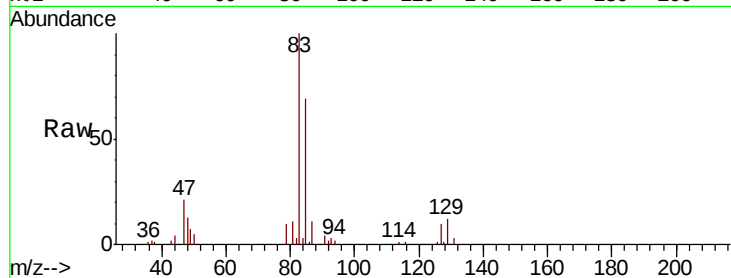
Tot Ion: 83 Resp: 55312

Ion Ratio Lower Upper

83 100

85 69.2 51.4 77.0

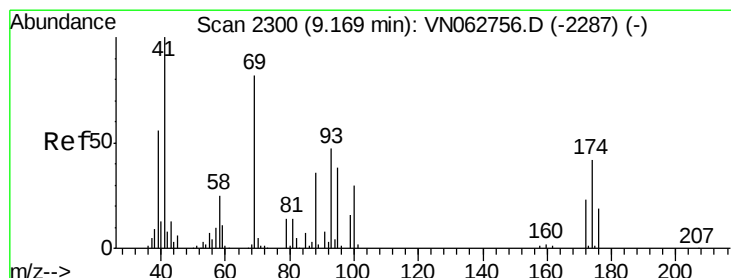
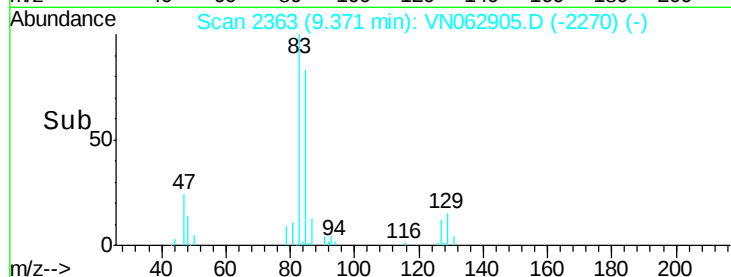
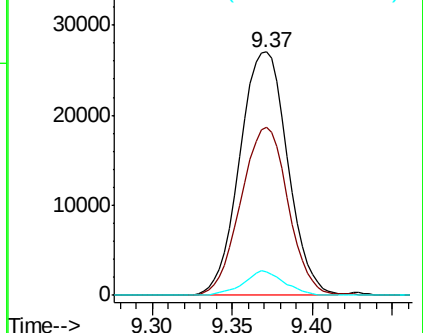
127 9.6 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN062905.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN062905.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN062905.D (-2270) (-)



#48

Methyl methacrylate

Concen: 19.652 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

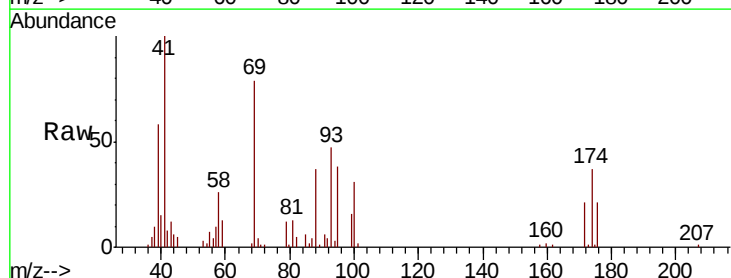
Tgt Ion: 41 Resp: 40475

Ion Ratio Lower Upper

41 100

69 82.1 67.4 101.2

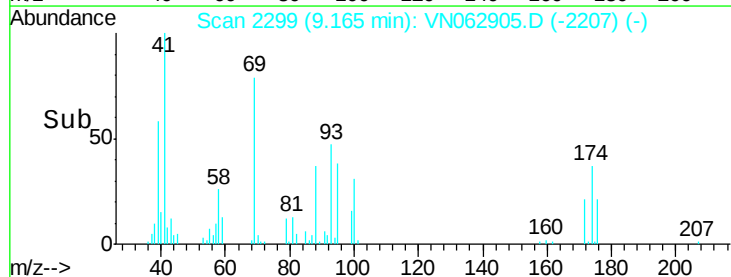
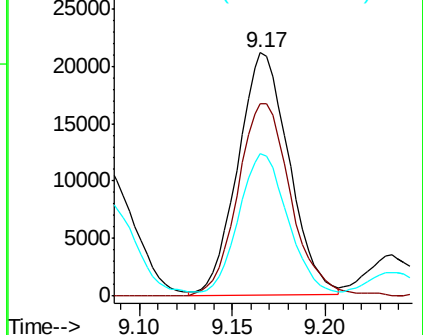
39 55.7 47.6 71.4



Abundance Ion 41.00 (40.70 to 41.70): VN062905.D (-2207) (-)

Ion 69.00 (68.70 to 69.70): VN062905.D (-2207) (-)

Ion 39.00 (38.70 to 39.70): VN062905.D (-2207) (-)

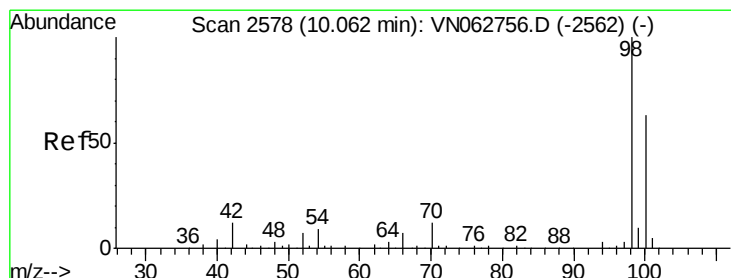
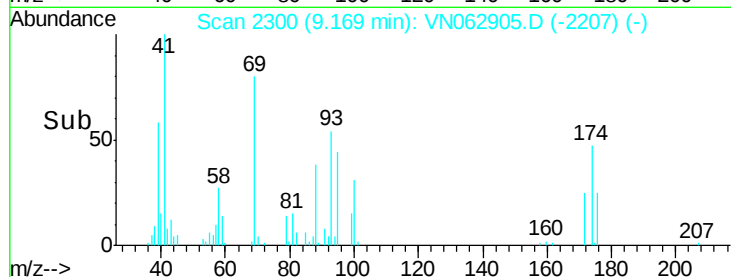
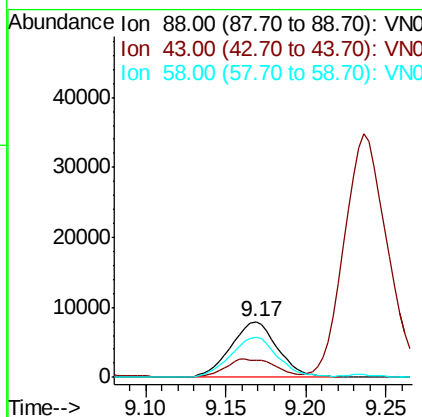
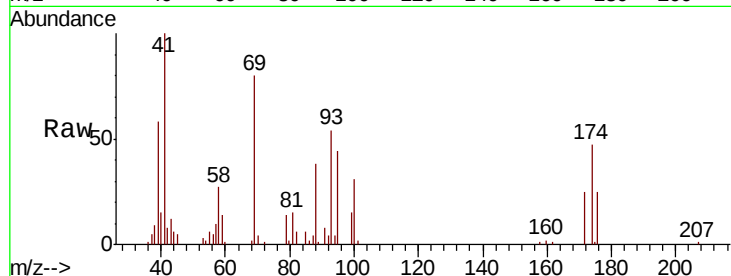




#49
1,4-Dioxane
Concen: 415.380 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

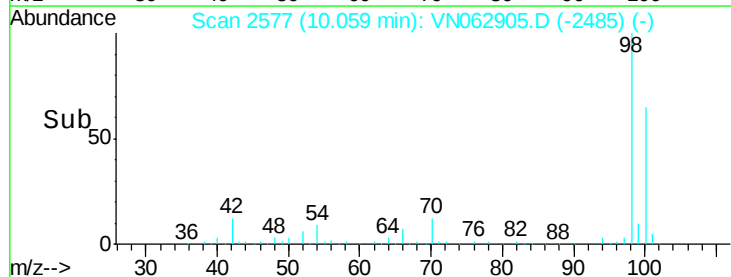
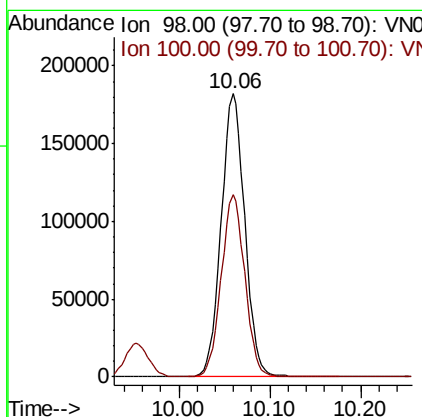
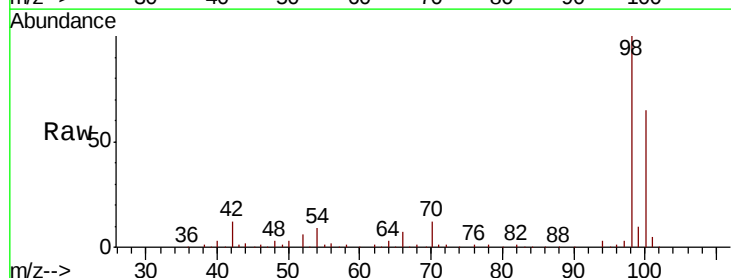
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

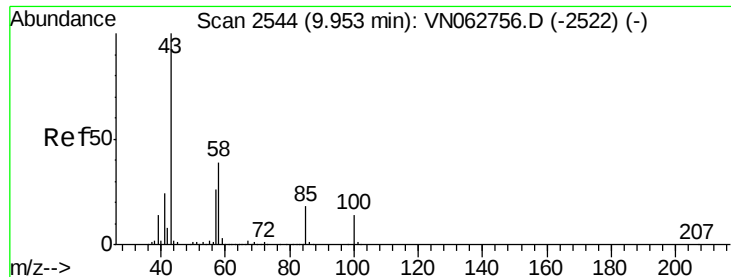
Tot Ion: 88 Resp: 15852
Ion Ratio Lower Upper
88 100
43 35.6 29.5 44.3
58 72.7 59.8 89.8



#50
Toluene-d8
Concen: 49.714 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Tgt Ion: 98 Resp: 327685
Ion Ratio Lower Upper
98 100
100 64.6 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 100.461 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

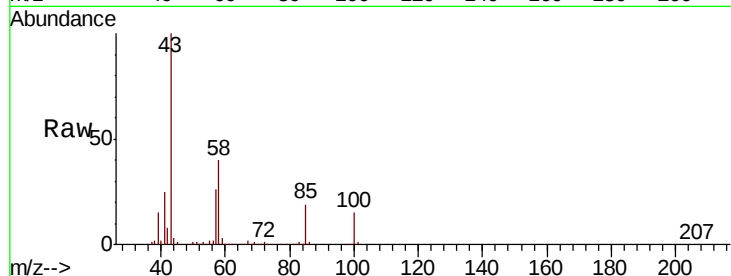
VN0813MBS01

Tot Ion: 43 Resp: 272173

Ion Ratio Lower Upper

43 100

58 39.4 31.1 46.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

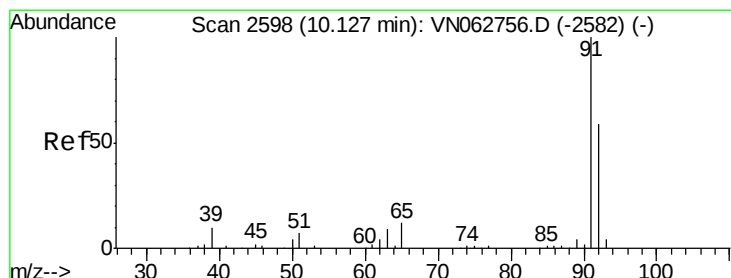
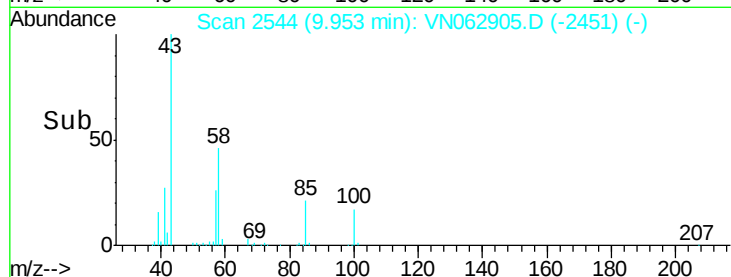
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.318 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062905.D

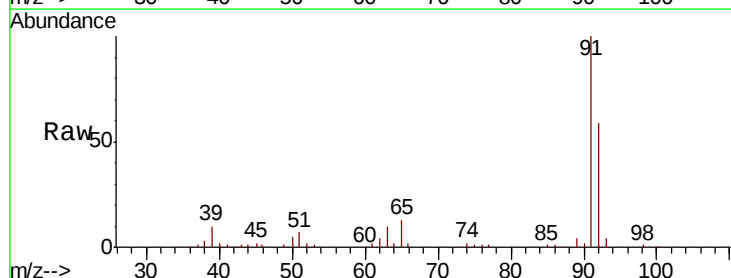
Acq: 13 Aug 2020 12:49

Tgt Ion: 92 Resp: 85537

Ion Ratio Lower Upper

92 100

91 174.1 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

80000

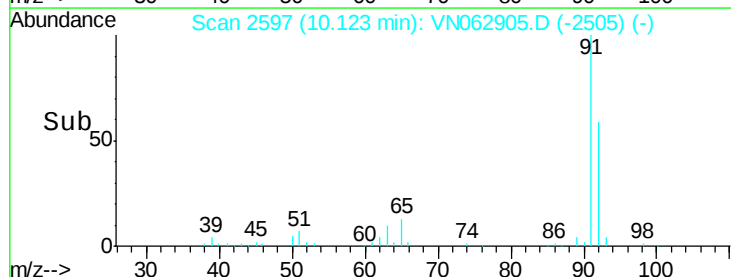
60000

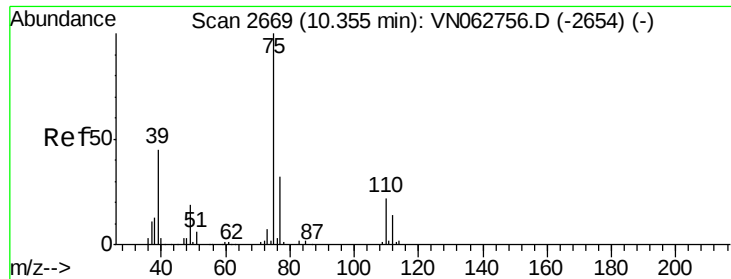
40000

20000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.423 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

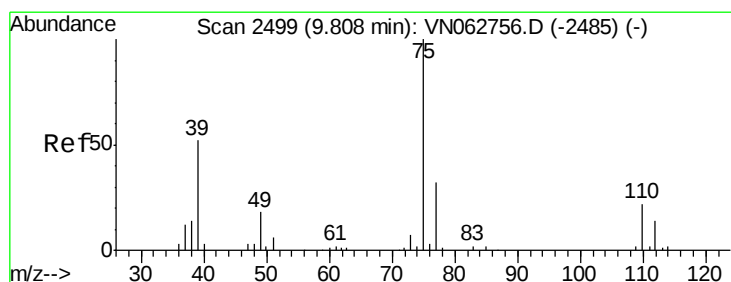
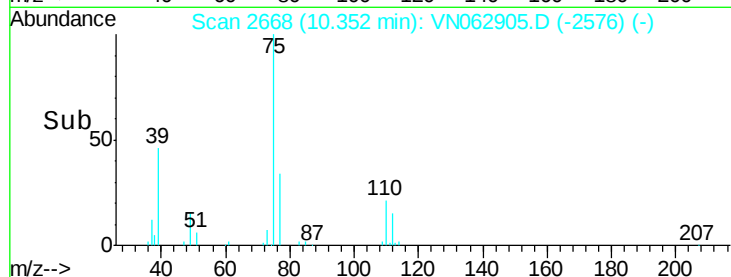
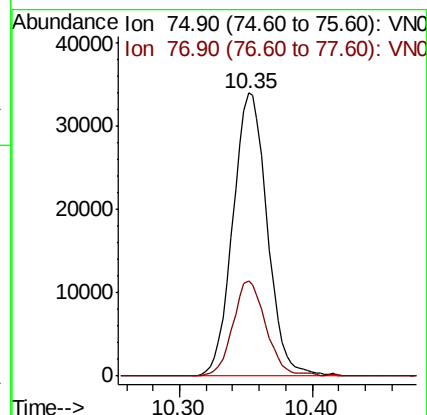
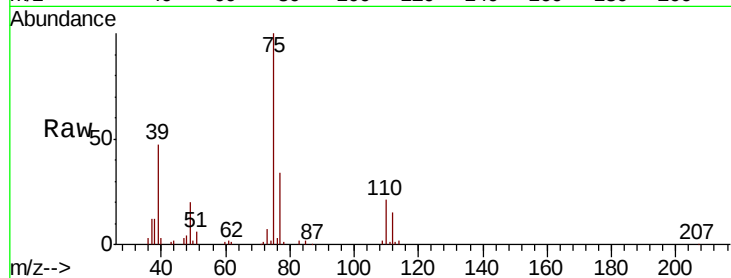
VN0813MBS01

Tot Ion: 75 Resp: 61023

Ion Ratio Lower Upper

75 100

77 33.9 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.841 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

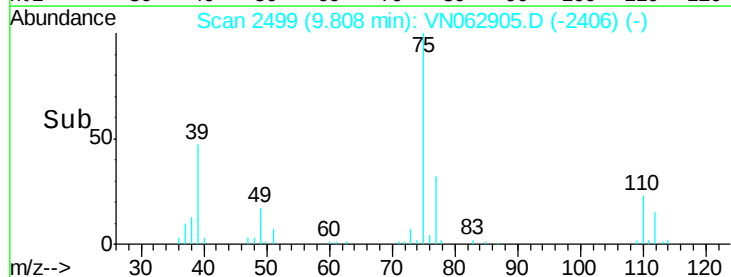
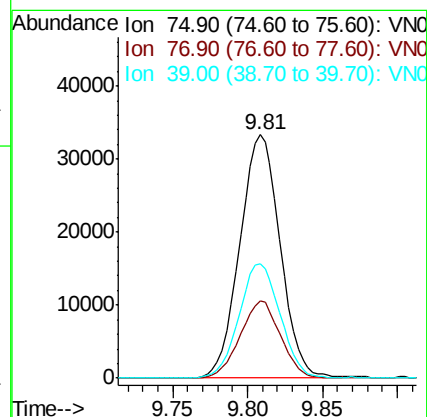
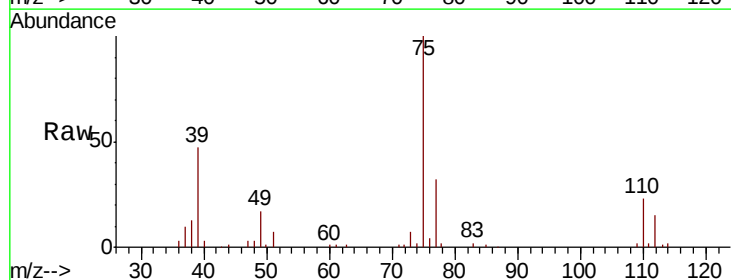
Tgt Ion: 75 Resp: 62587

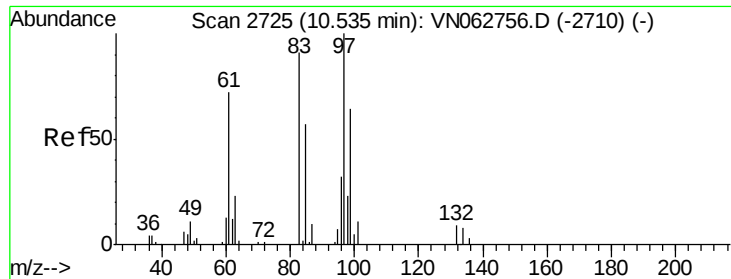
Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

39 46.8 41.9 62.9





#55

1,1,2-Trichloroethane

Concen: 19.924 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

Tot Ion: 97 Resp: 37677

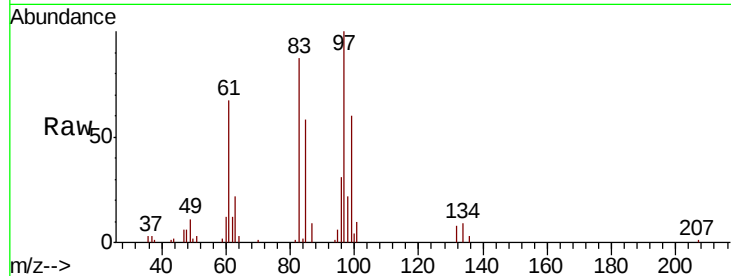
Ion Ratio Lower Upper

97 100

83 87.3 72.6 108.8

85 58.5 46.0 69.0

99 59.5 51.1 76.7

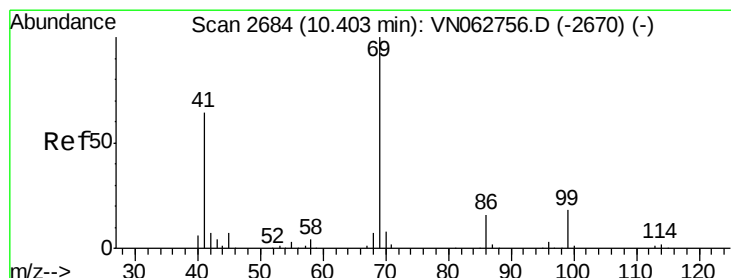
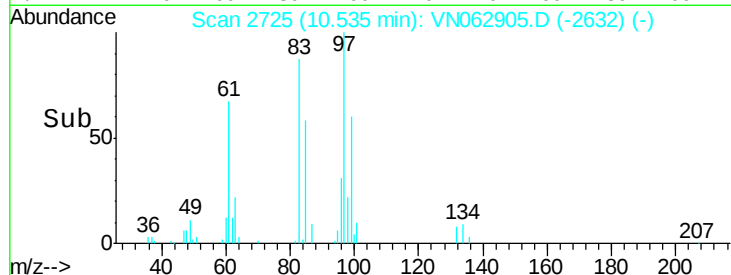
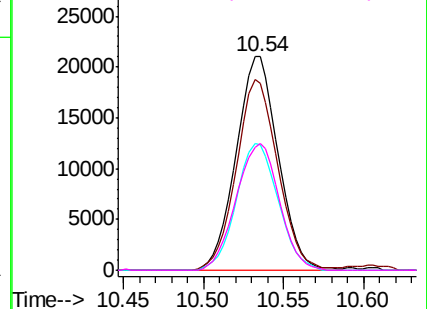


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.387 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

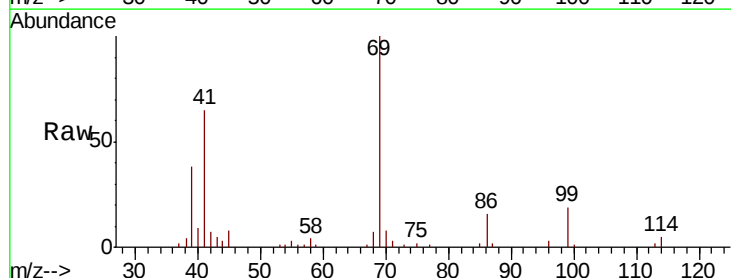
Tgt Ion: 69 Resp: 55184

Ion Ratio Lower Upper

69 100

41 65.3 52.2 78.2

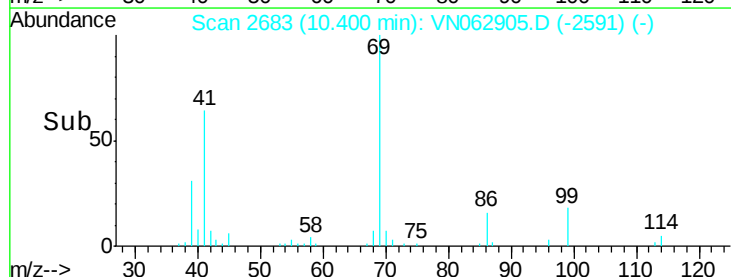
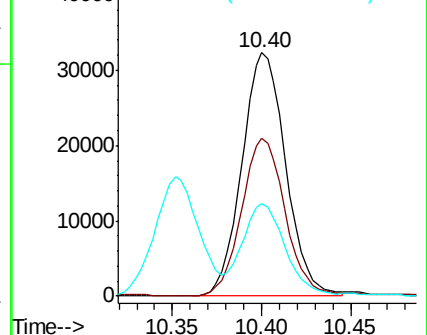
39 36.1 30.9 46.3

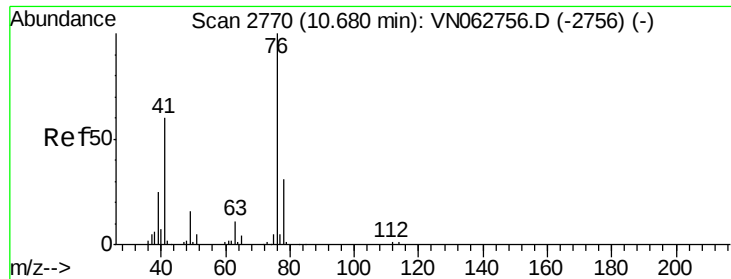


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

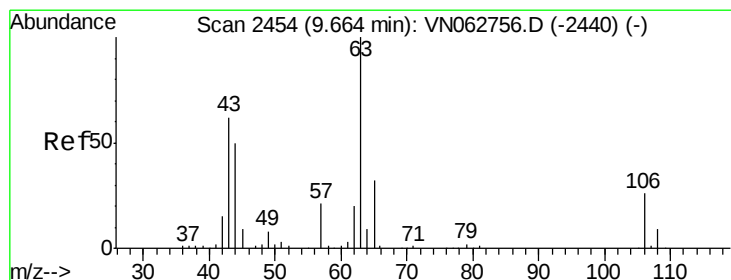
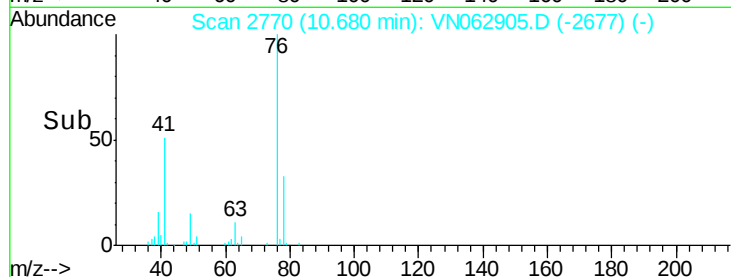
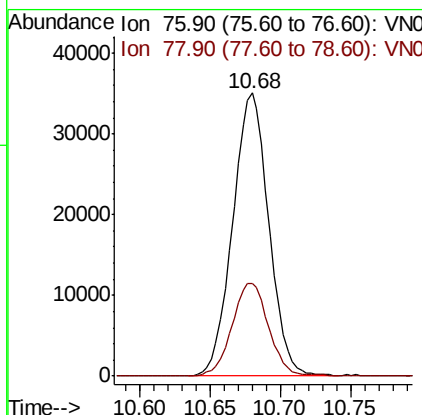
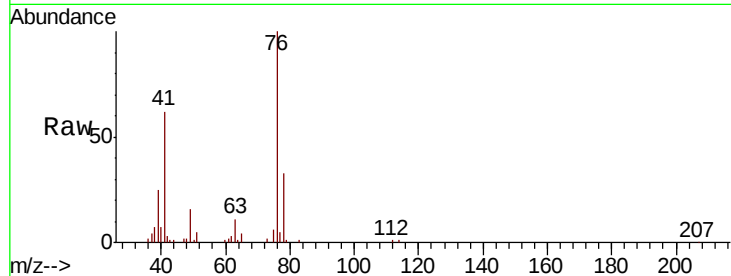




#57
 1,3-Dichloropropane
 Concen: 19.533 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. -0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

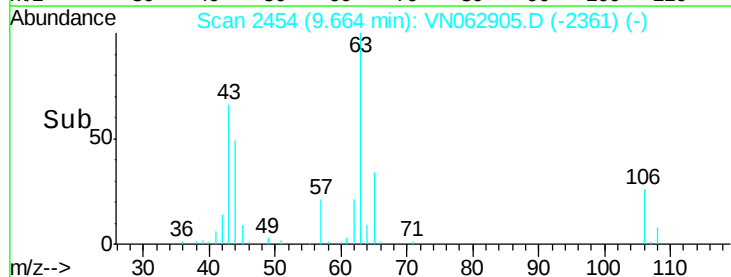
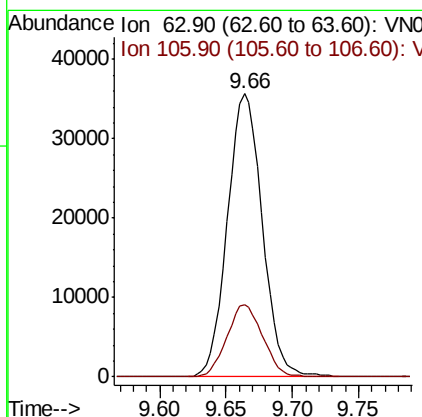
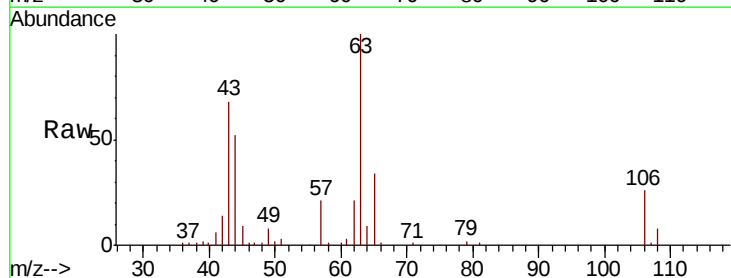
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

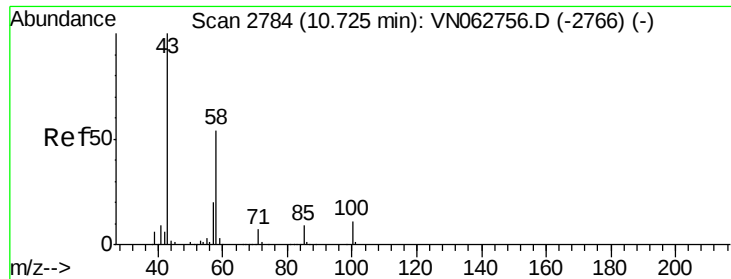
Tot Ion: 76 Resp: 62763
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 81.003 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

Tgt Ion: 63 Resp: 65173
 Ion Ratio Lower Upper
 63 100
 106 26.2 20.9 31.3

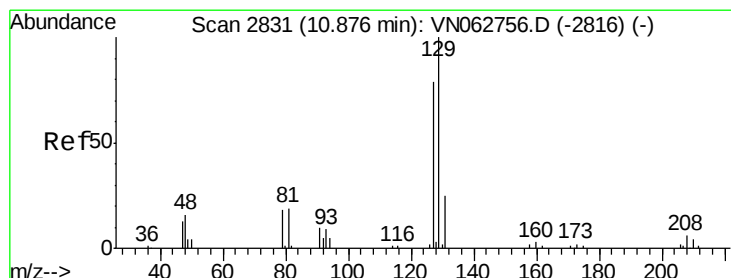
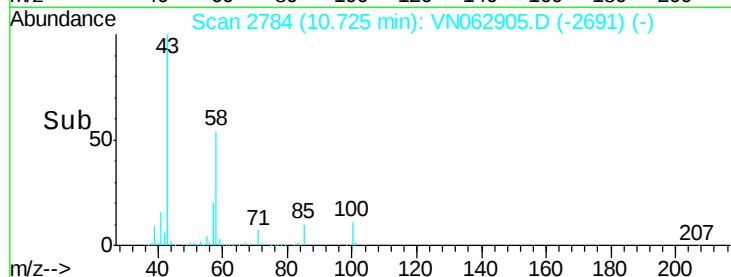
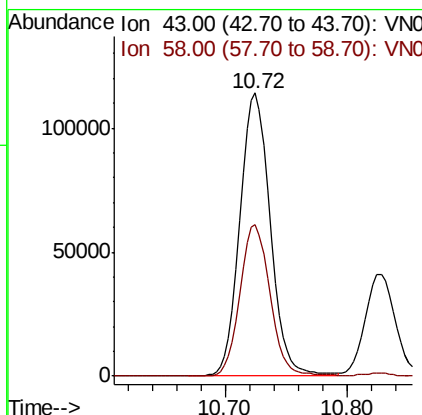
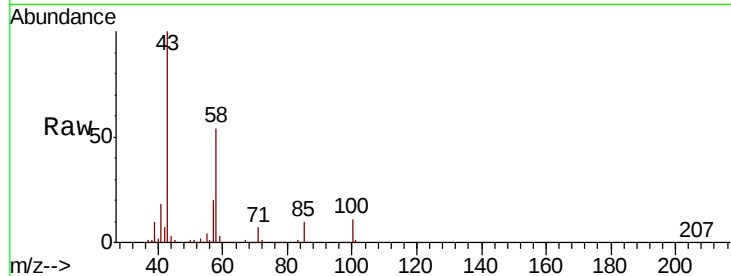




#59
2-Hexanone
Concen: 97.312 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

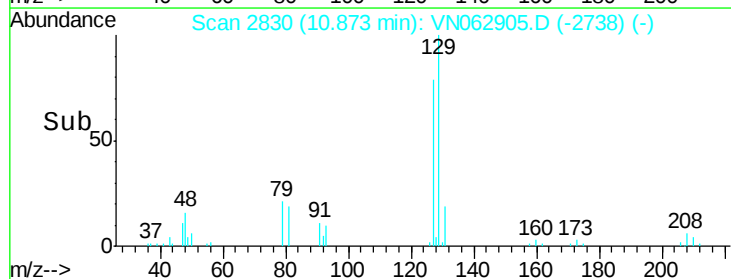
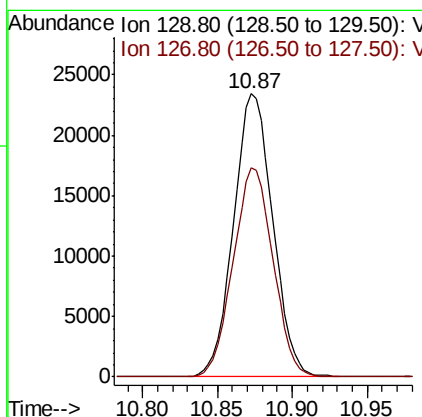
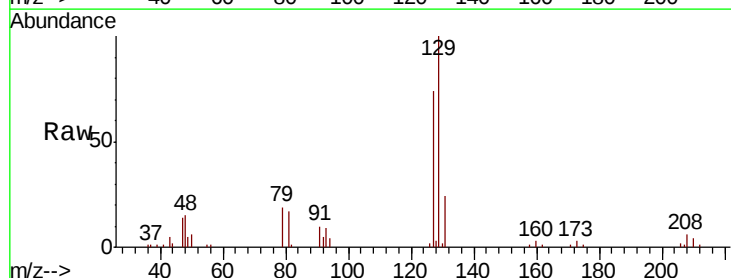
Instrument :
MSVOA_N
ClientSampled :
VN0813MBS01

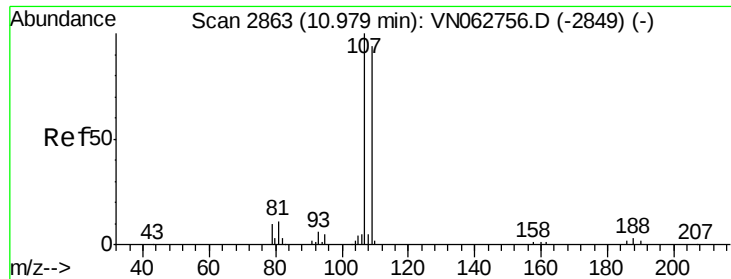
Tot Ion: 43 Resp: 196661
Ion Ratio Lower Upper
43 100
58 52.9 26.7 80.1



#60
Dibromochloromethane
Concen: 19.812 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Tgt Ion: 129 Resp: 42754
Ion Ratio Lower Upper
129 100
127 75.0 39.1 117.2

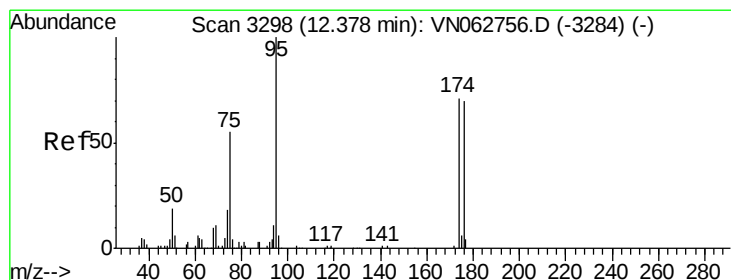
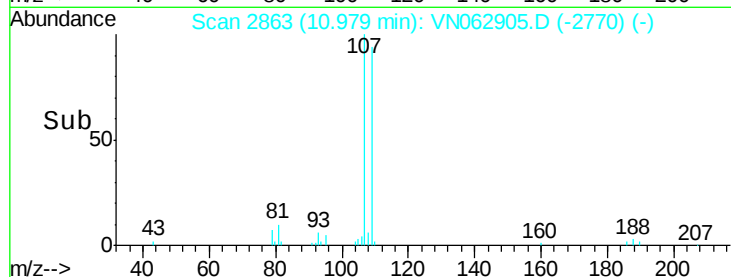
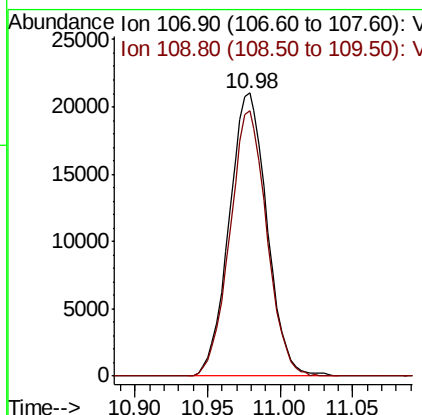
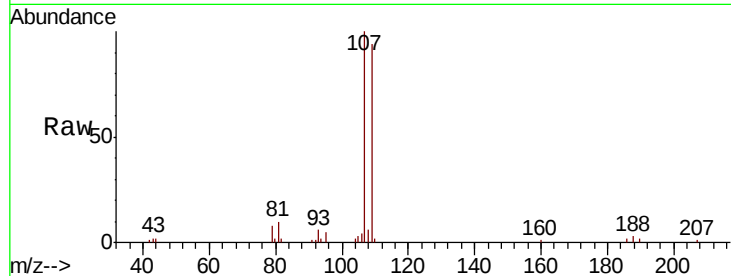




#61
 1,2-Dibromoethane
 Concen: 20.398 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

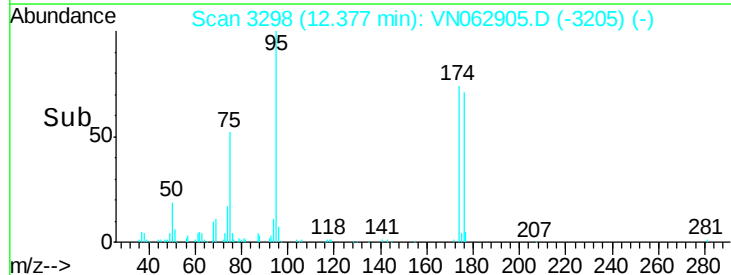
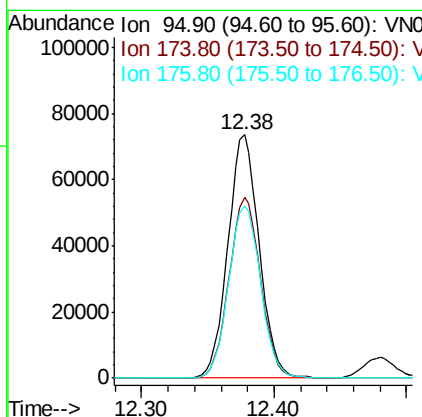
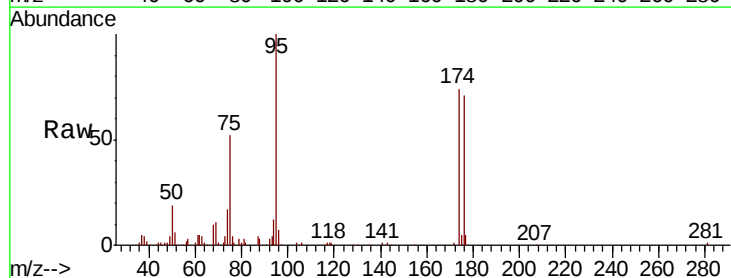
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

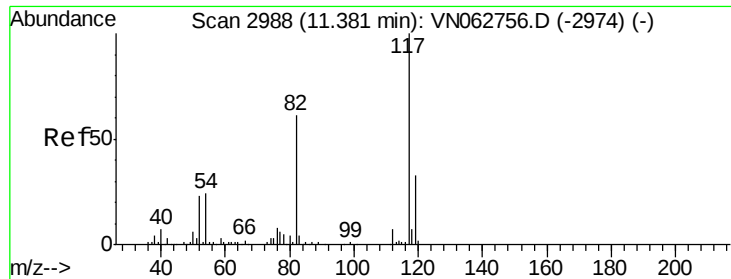
Tot Ion:107 Resp: 38063
 Ion Ratio Lower Upper
 107 100
 109 91.4 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 48.441 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

Tgt Ion: 95 Resp: 120661
 Ion Ratio Lower Upper
 95 100
 174 74.8 0.0 144.8
 176 72.4 0.0 142.2

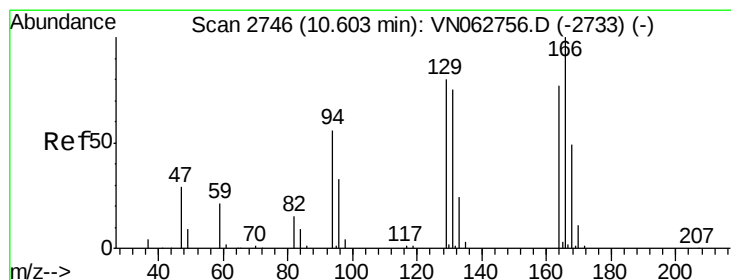
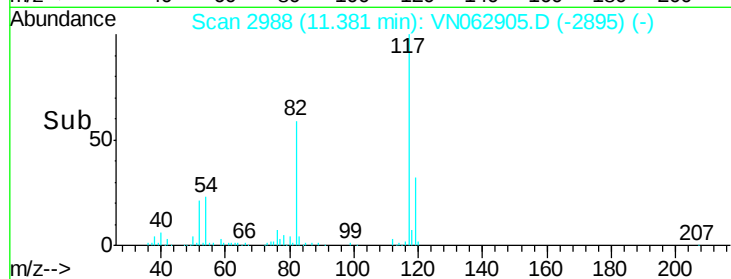
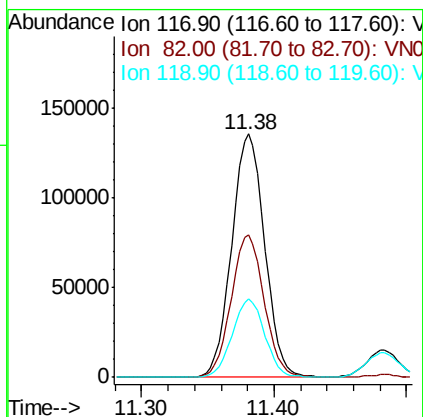
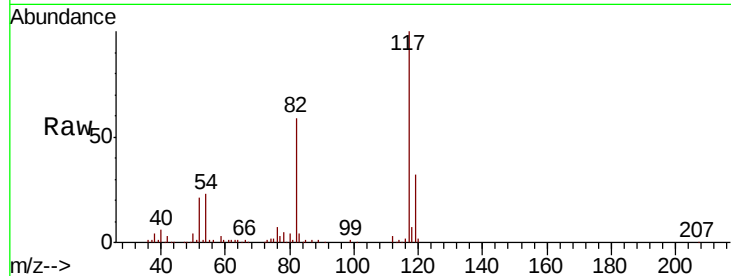




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

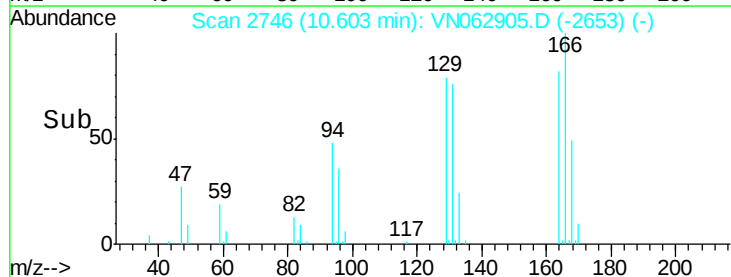
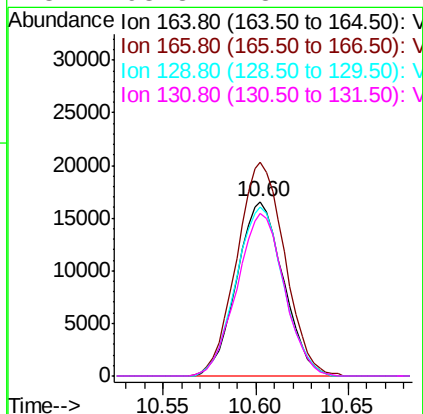
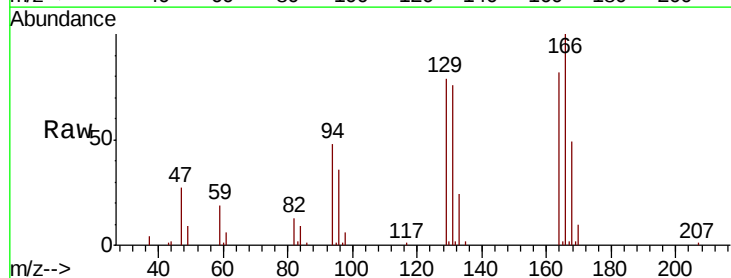
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

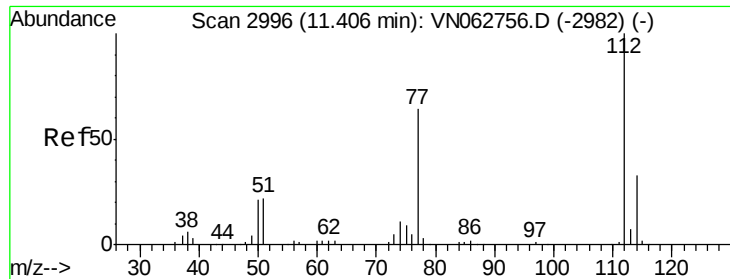
Tot Ion:117 Resp: 234272
Ion Ratio Lower Upper
117 100
82 58.6 49.0 73.4
119 32.0 26.2 39.2



#64
Tetrachloroethene
Concen: 19.178 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Tgt Ion:164 Resp: 28989
Ion Ratio Lower Upper
164 100
166 122.7 103.8 155.8
129 97.1 82.7 124.1
131 93.3 78.2 117.2

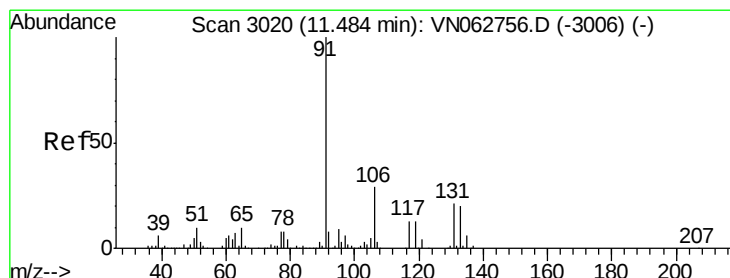
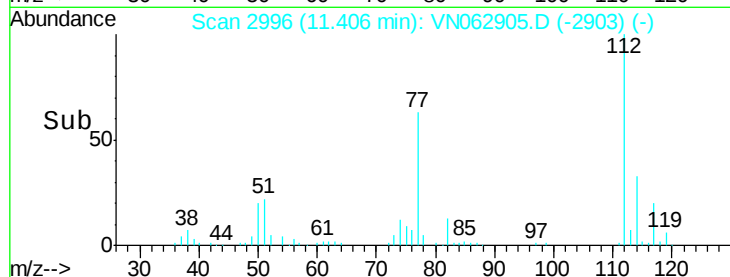
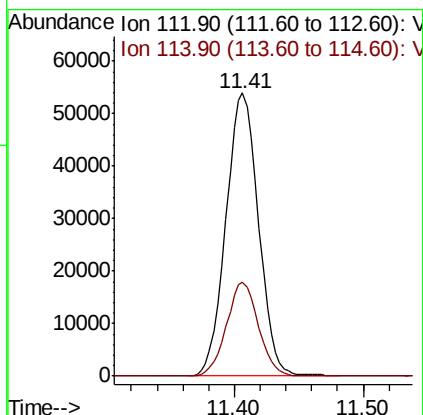
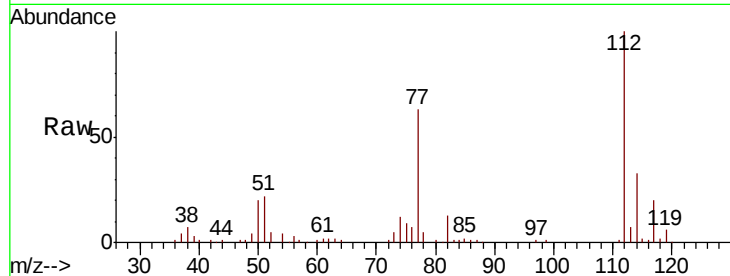




#65
Chlorobenzene
Concen: 19.288 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

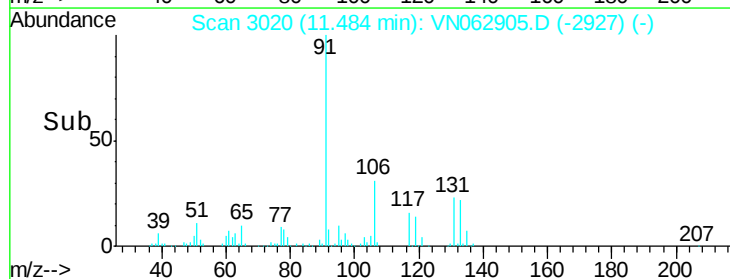
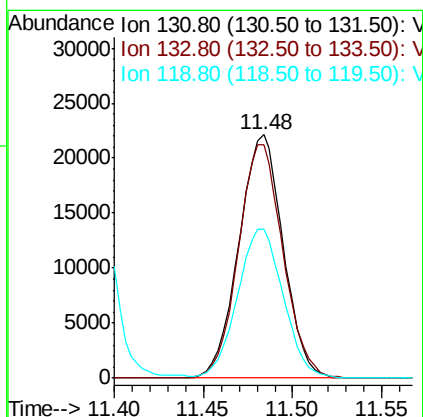
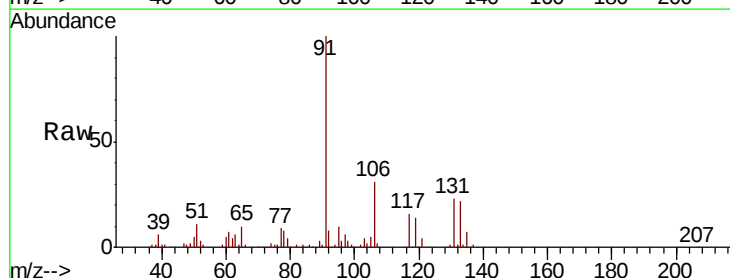
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

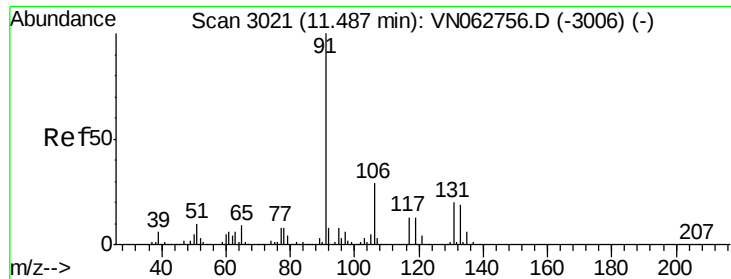
Tot Ion:112 Resp: 94459
Ion Ratio Lower Upper
112 100
114 33.3 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.477 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Tgt Ion:131 Resp: 38304
Ion Ratio Lower Upper
131 100
133 96.9 48.6 145.8
119 63.6 32.2 96.6

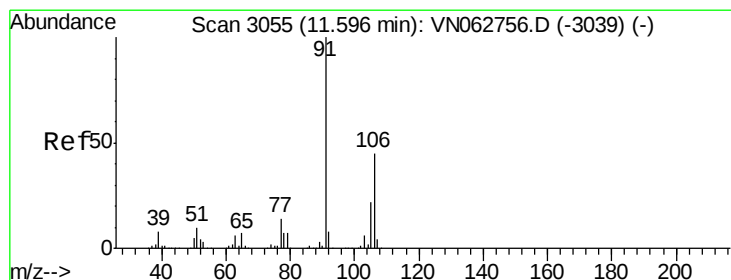
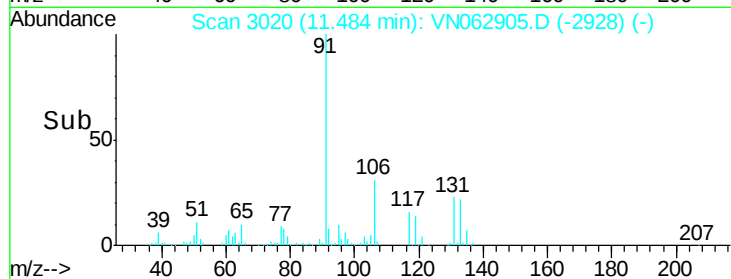
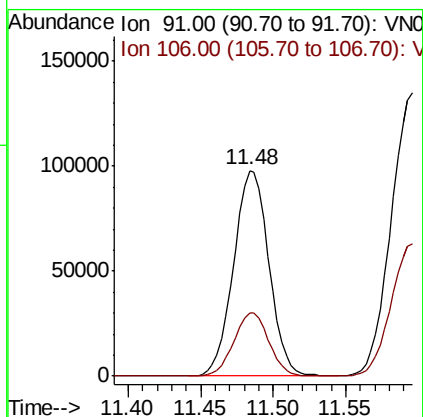
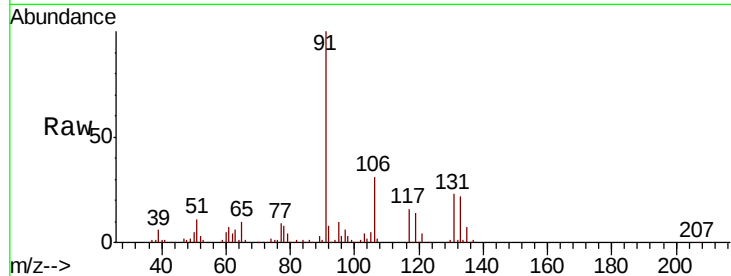




#67
Ethyl Benzene
Concen: 18.915 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

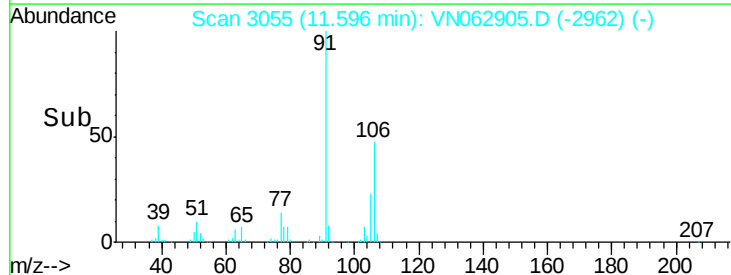
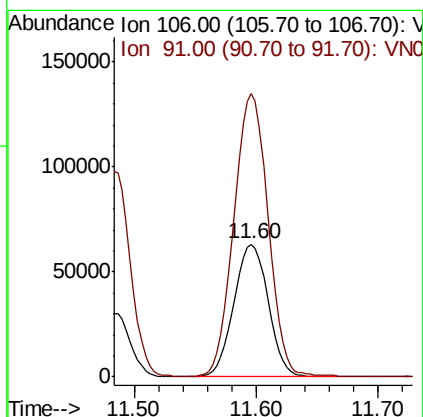
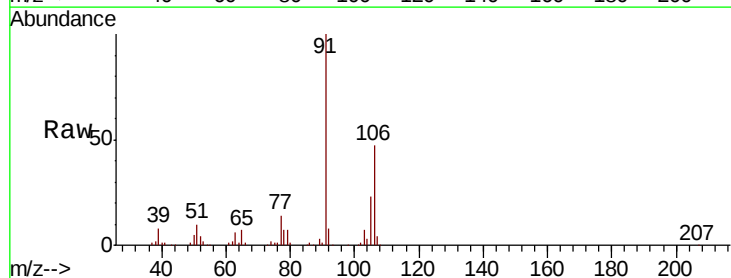
Instrument :
MSVOA_N
ClientSampled :
VN0813MBS01

Tot Ion: 91 Resp: 165760
Ion Ratio Lower Upper
91 100
106 30.9 23.2 34.8



#68
m/p-Xylenes
Concen: 38.855 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Tgt Ion:106 Resp: 123604
Ion Ratio Lower Upper
106 100
91 211.6 175.9 263.9

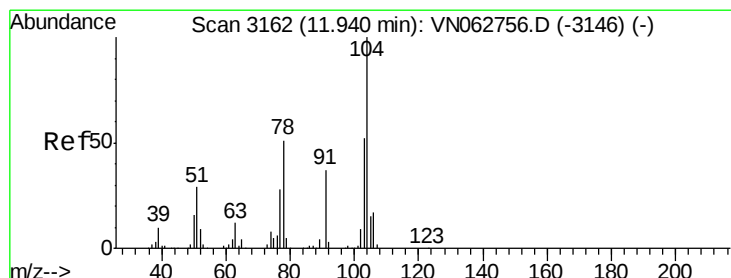
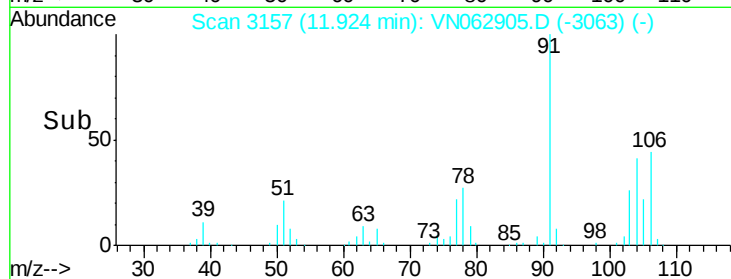
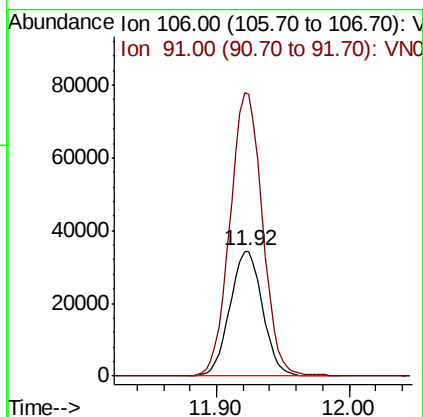
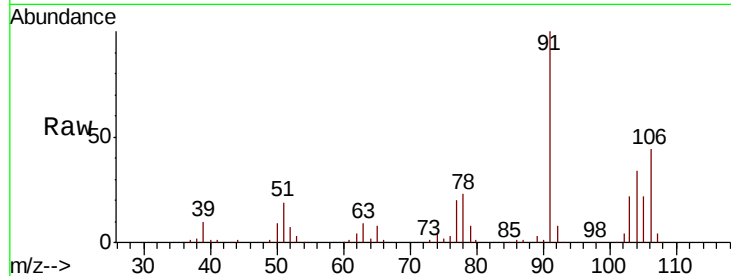




#69
o-Xylene
Concen: 19.775 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

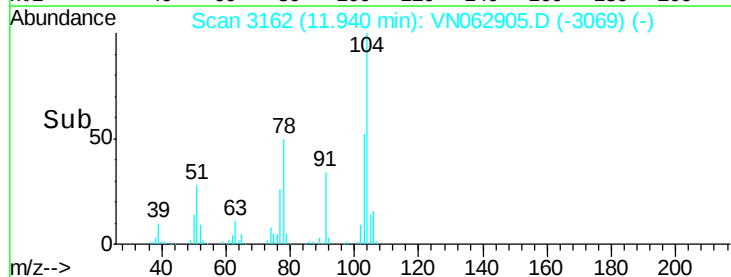
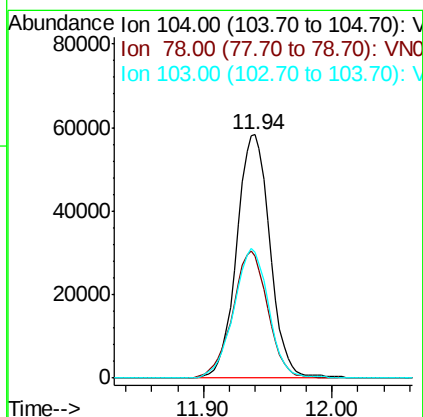
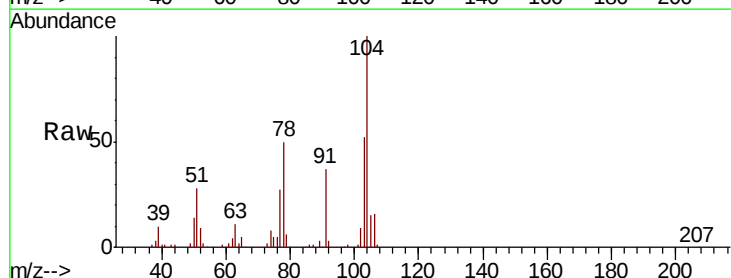
Instrument :
MSVOA_N
ClientSampleId :
VN0813MBS01

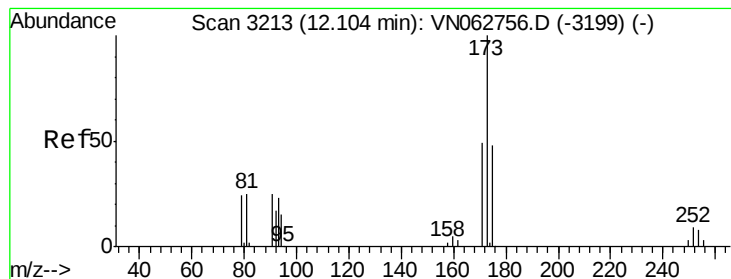
Tot Ion:106 Resp: 58953
Ion Ratio Lower Upper
106 100
91 225.4 115.8 347.4



#70
Styrene
Concen: 20.009 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN062905.D
Acq: 13 Aug 2020 12:49

Tgt Ion:104 Resp: 104850
Ion Ratio Lower Upper
104 100
78 55.3 45.9 68.9
103 55.8 45.1 67.7





#71

Bromoform

Concen: 18.968 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

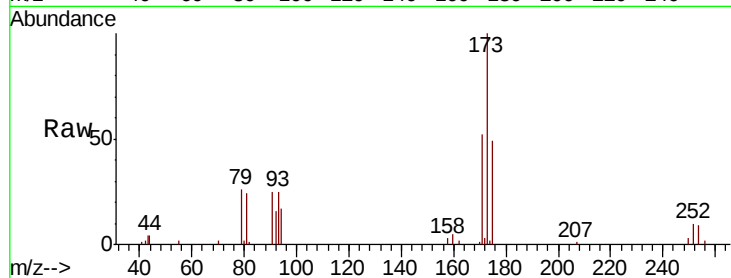
Tot Ion:173 Resp: 30521

Ion Ratio Lower Upper

173 100

175 47.1 24.0 72.0

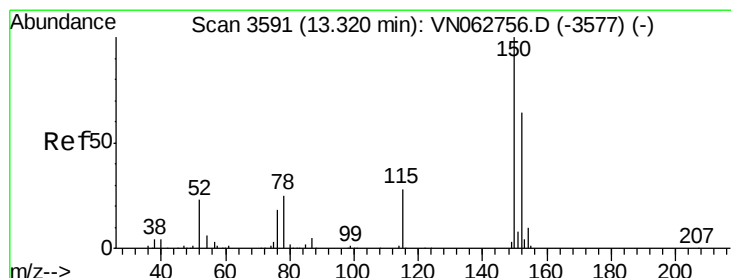
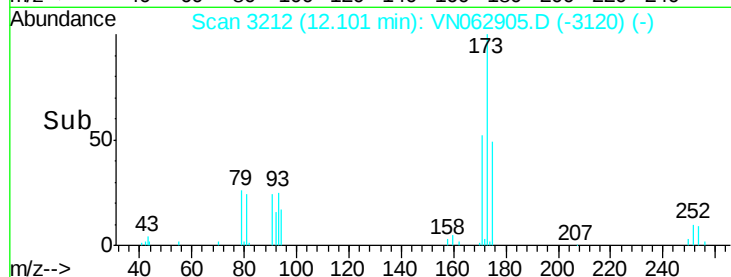
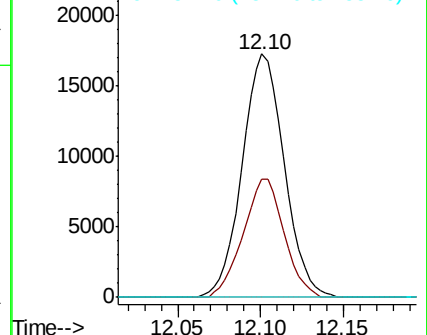
254 0.0 0.0 0.0



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: VN062905.D

Acq: 13 Aug 2020 12:49

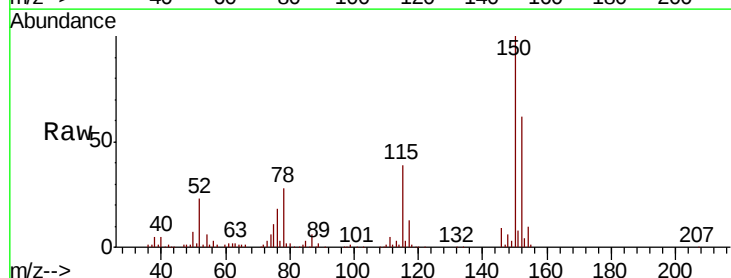
Tgt Ion:152 Resp: 109733

Ion Ratio Lower Upper

152 100

115 63.2 31.6 94.8

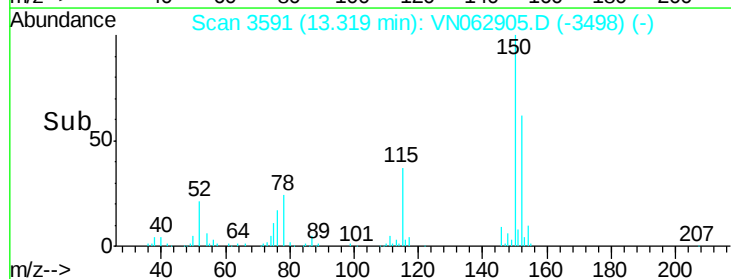
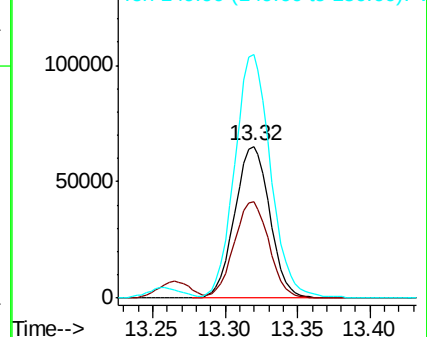
150 163.4 0.0 349.2

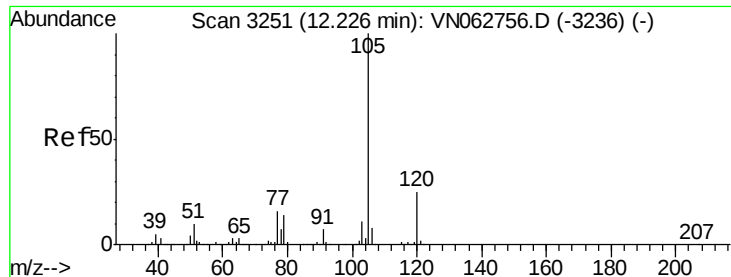


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.873 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

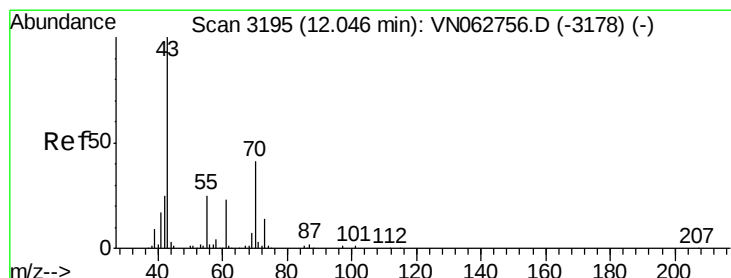
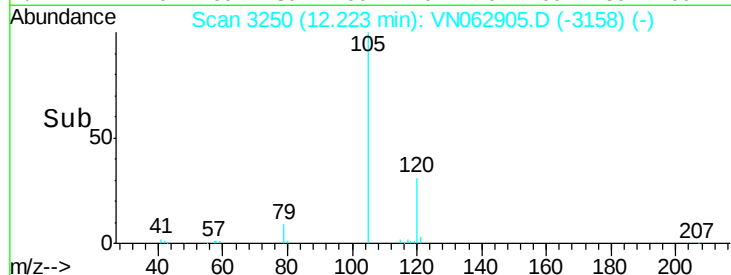
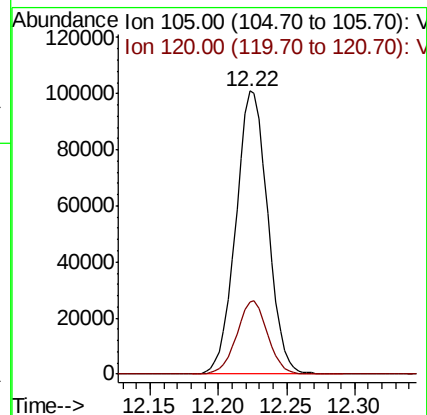
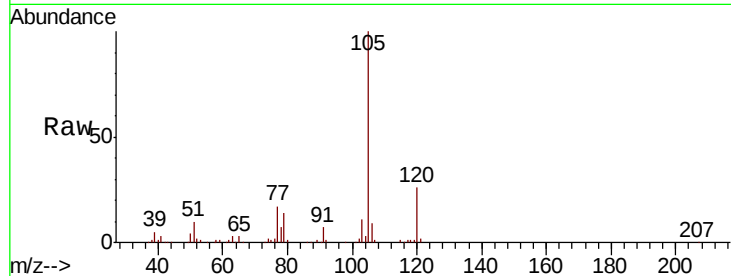
VN0813MBS01

Tot Ion:105 Resp: 164210

Ion Ratio Lower Upper

105 100

120 24.9 12.6 37.8



#74

N-ethyl acetate

Concen: 19.708 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Tgt Ion: 43 Resp: 65993

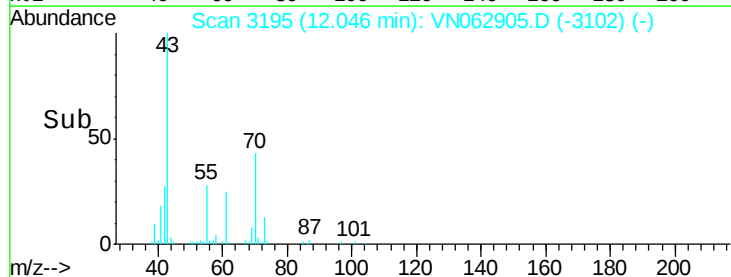
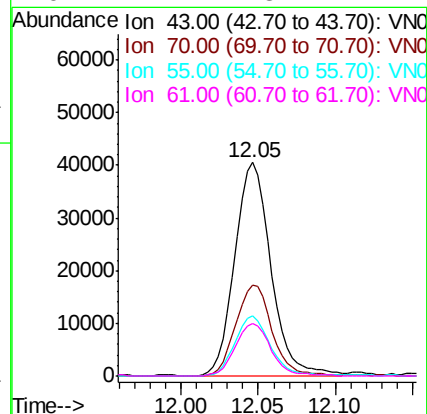
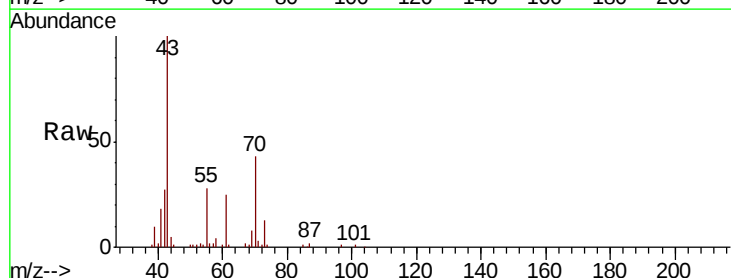
Ion Ratio Lower Upper

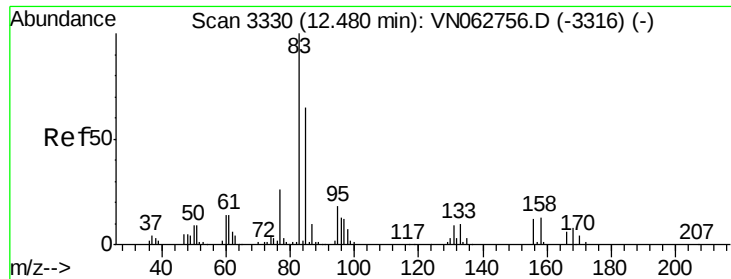
43 100

70 43.1 32.3 48.5

55 27.9 20.2 30.2

61 24.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.247 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

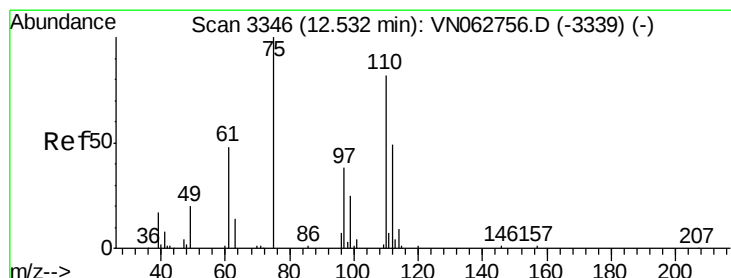
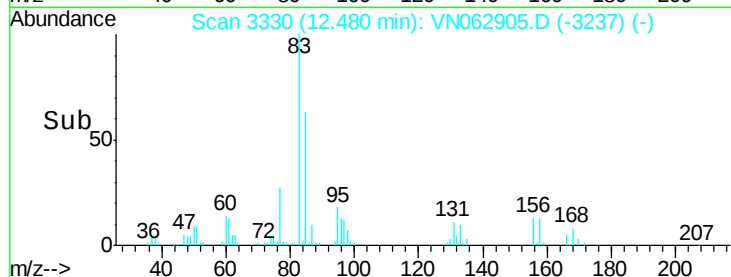
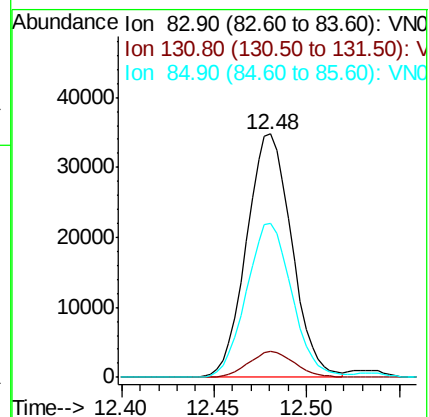
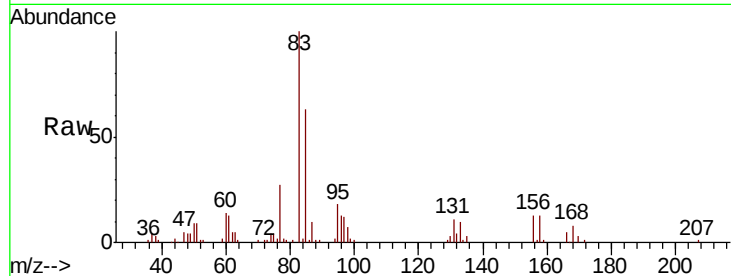
Tot Ion: 83 Resp: 58893

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.4

85 63.6 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 25.896 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN062905.D

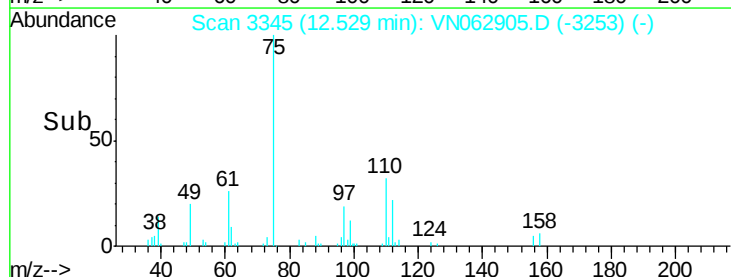
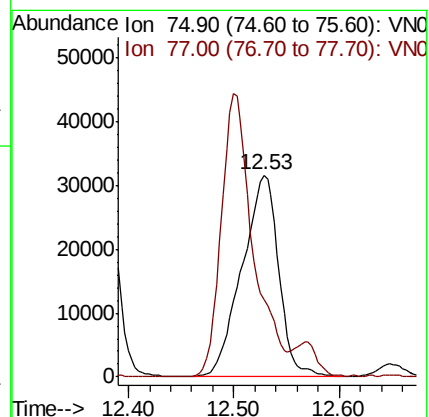
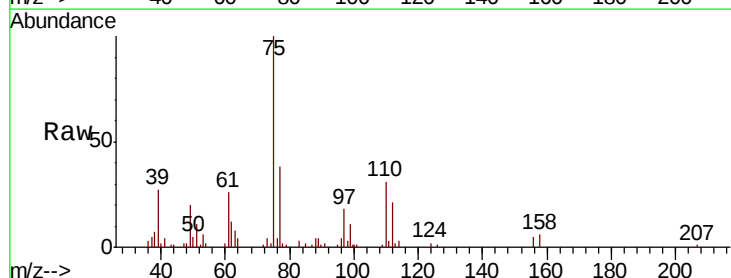
Acq: 13 Aug 2020 12:49

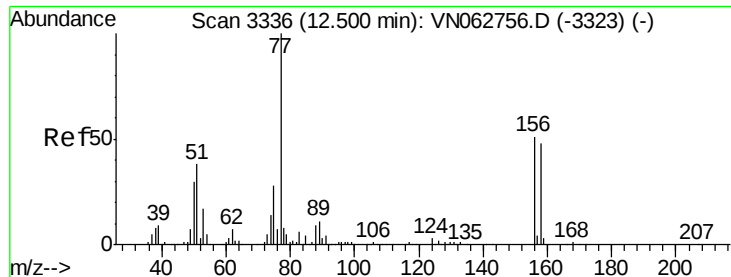
Tgt Ion: 75 Resp: 76637

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.806 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampled :

VN0813MBS01

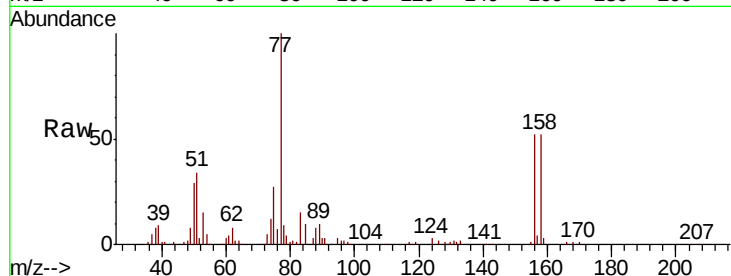
Tot Ion:156 Resp: 40662

Ion Ratio Lower Upper

156 100

77 229.7 119.7 359.1

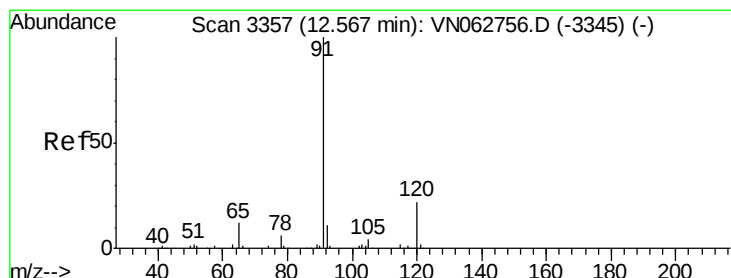
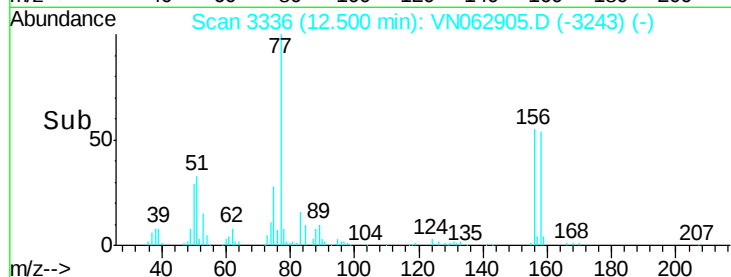
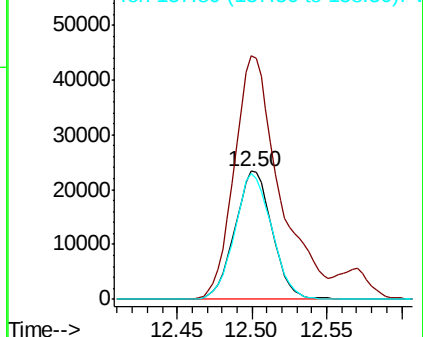
158 97.8 48.1 144.3



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: 19.279 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062905.D

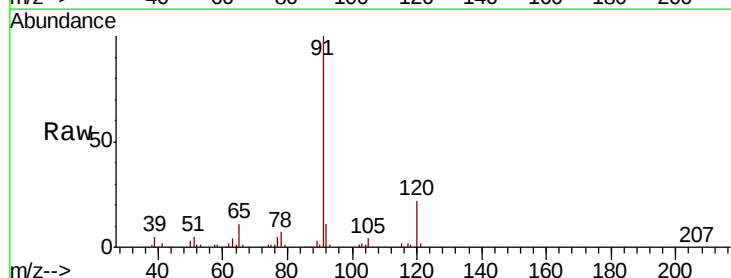
Acq: 13 Aug 2020 12:49

Tgt Ion: 91 Resp: 186994

Ion Ratio Lower Upper

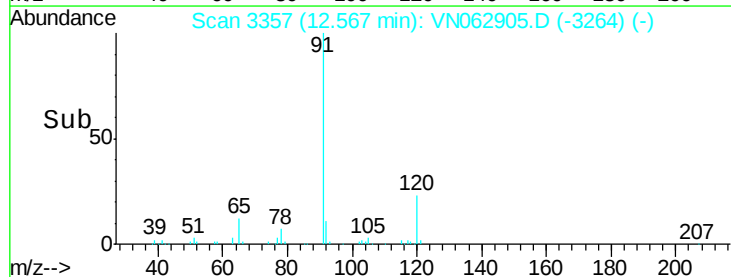
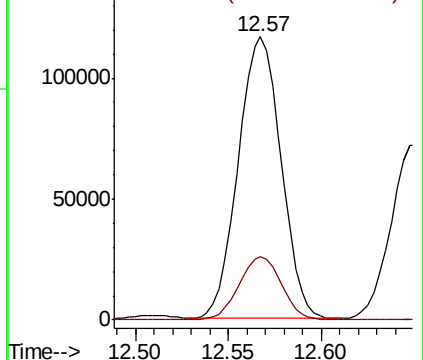
91 100

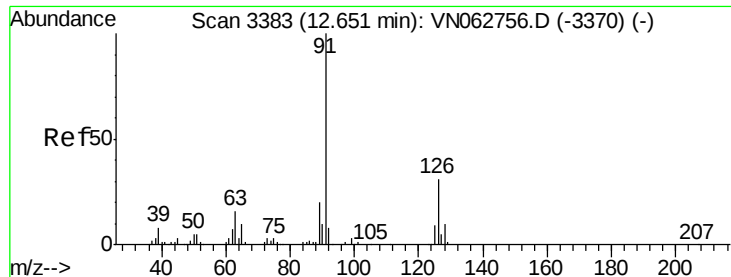
120 22.3 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.668 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

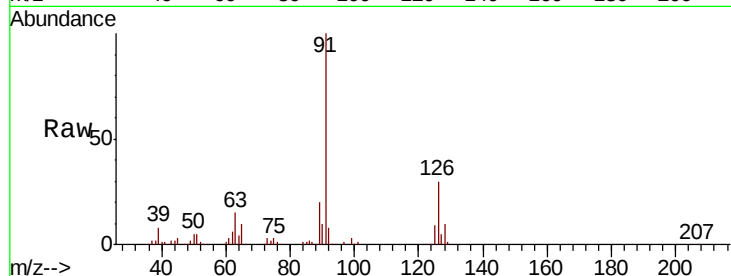
VN0813MBS01

Tot Ion: 91 Resp: 119629

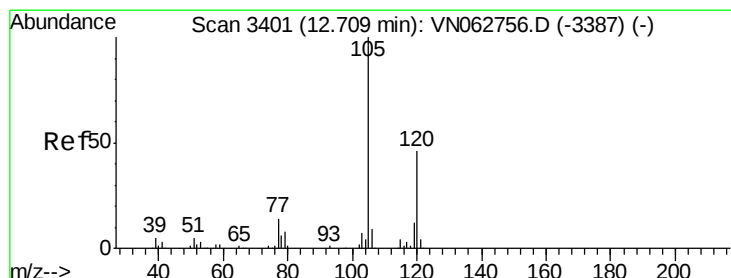
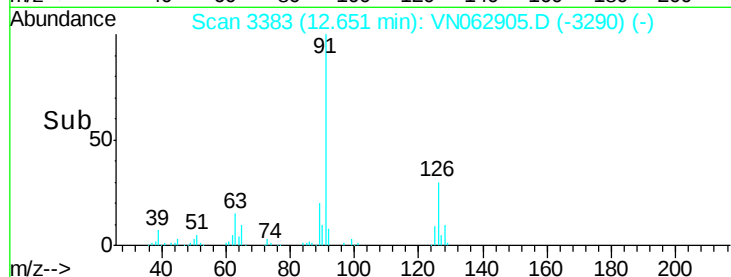
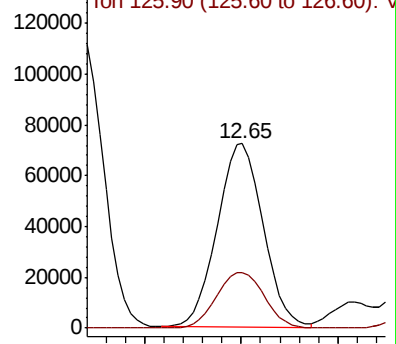
Ion Ratio Lower Upper

91 100

126 32.0 15.6 46.7



Abundance Ion 91.00 (90.70 to 91.70): VN062756.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.949 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062905.D

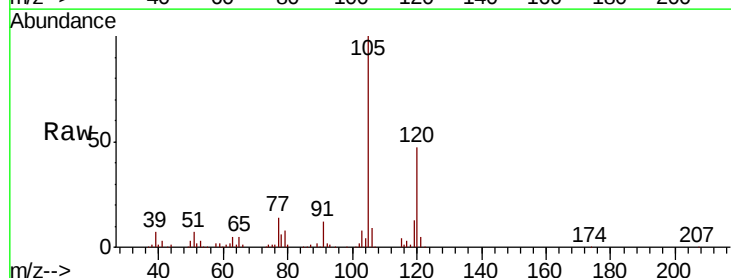
Acq: 13 Aug 2020 12:49

Tgt Ion: 105 Resp: 143004

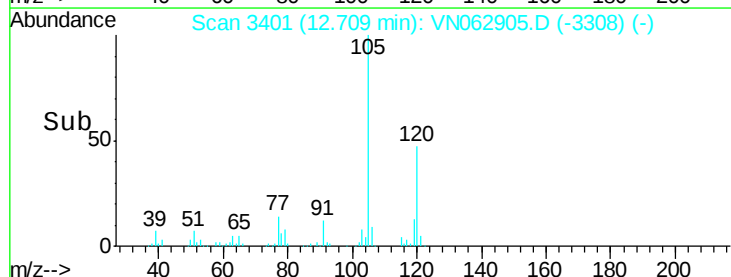
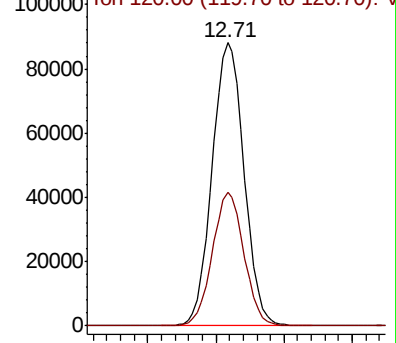
Ion Ratio Lower Upper

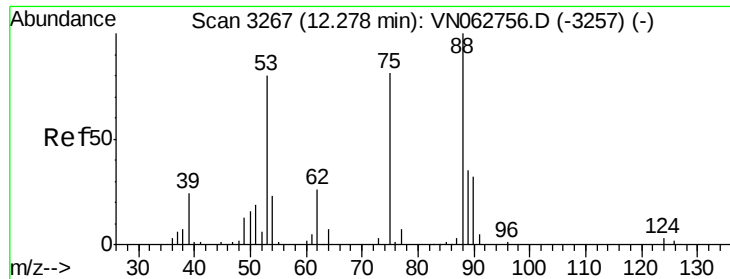
105 100

120 46.6 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): VN062756.D (-3387) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.670 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampled :

VN0813MBS01

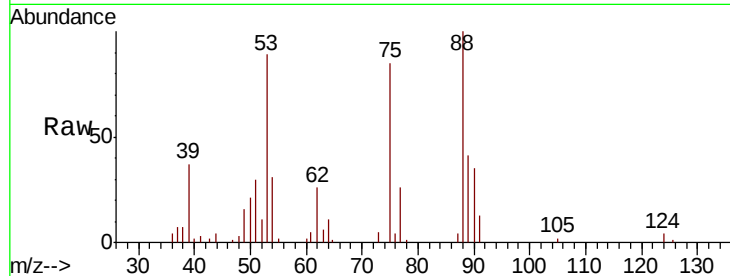
Tot Ion: 75 Resp: 19069

Ion Ratio Lower Upper

75 100

53 97.8 79.1 118.7

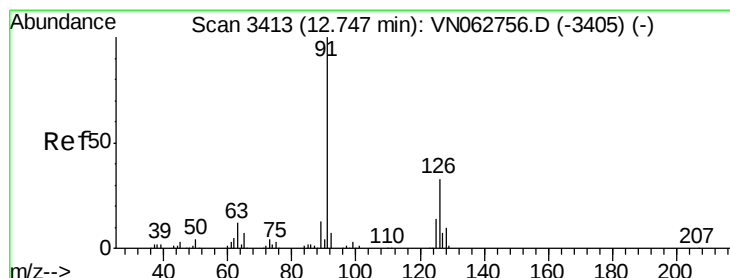
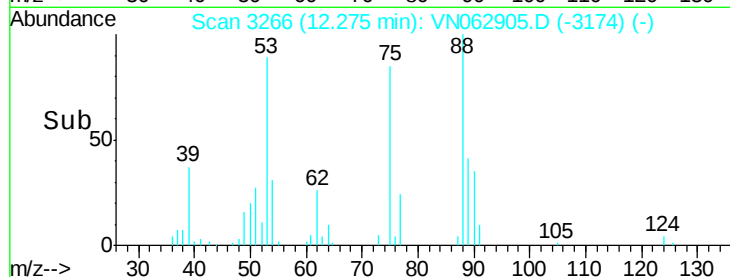
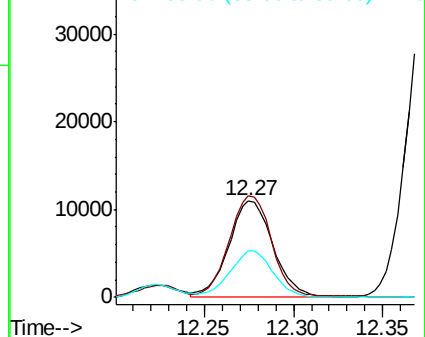
89 46.8 36.2 54.2



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: 19.455 ug/l

RT: 12.75 min Scan# 3414

Delta R.T. 0.00 min

Lab File: VN062905.D

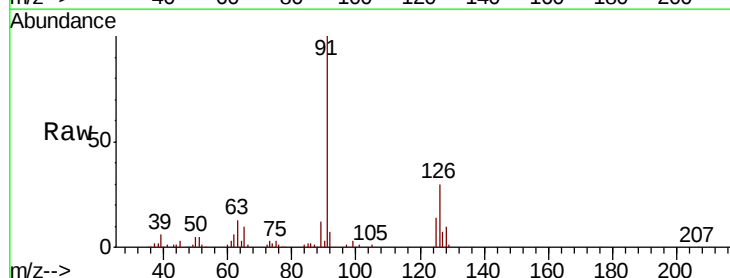
Acq: 13 Aug 2020 12:49

Tgt Ion: 91 Resp: 121942

Ion Ratio Lower Upper

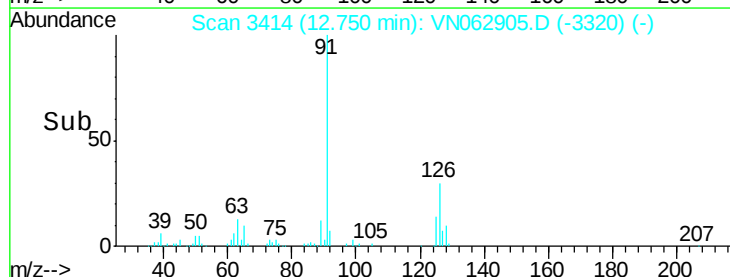
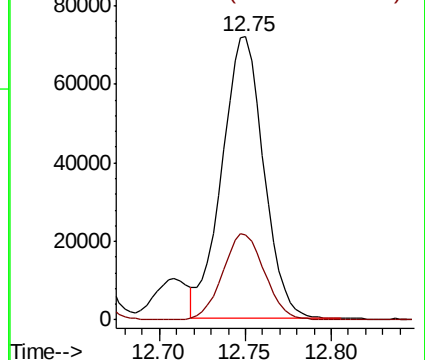
91 100

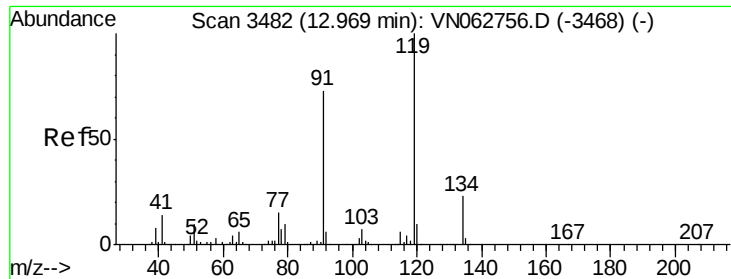
126 30.9 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

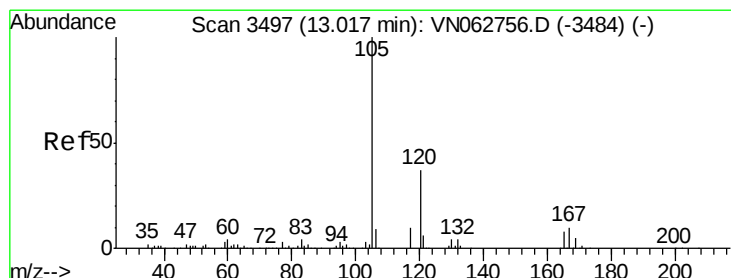
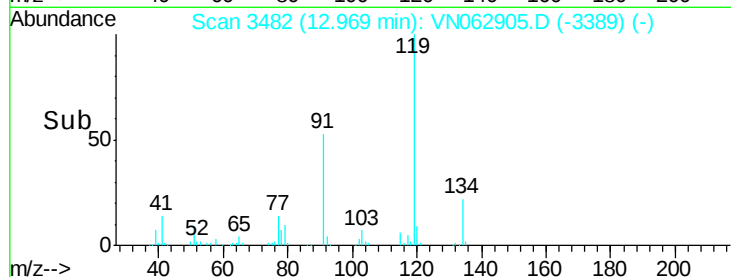
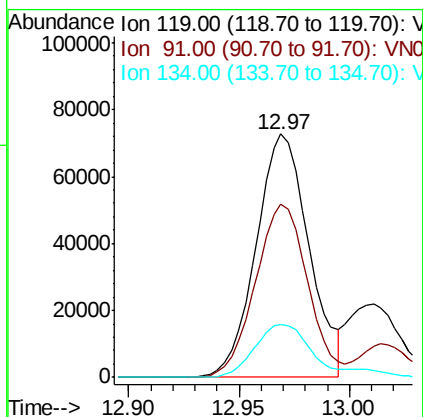
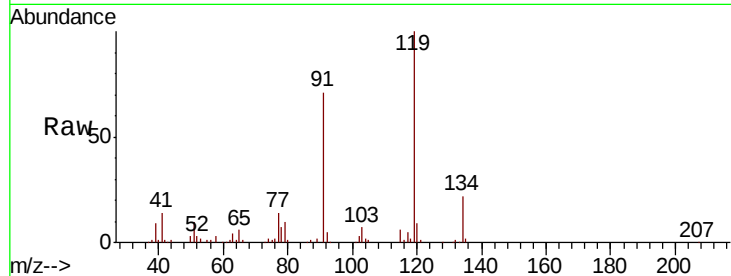




#83
 tert-Butylbenzene
 Concen: 19.910 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

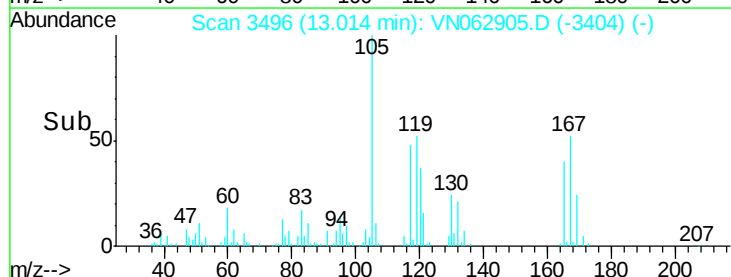
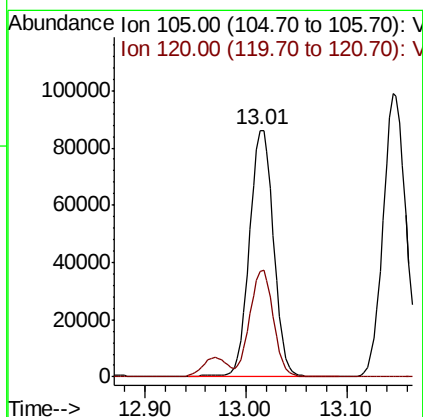
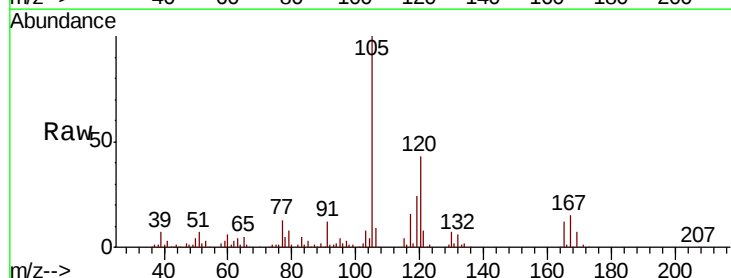
Instrument :
 MSVOA_N
 ClientSampleID :
 VN0813MBS01

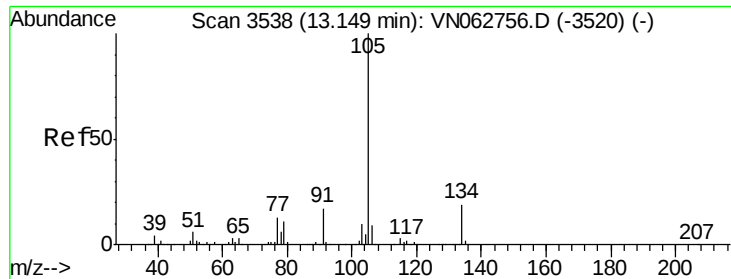
Tot Ion:119 Resp: 120768
 Ion Ratio Lower Upper
 119 100
 91 70.5 36.5 109.5
 134 25.1 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.725 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

Tgt Ion:105 Resp: 142130
 Ion Ratio Lower Upper
 105 100
 120 42.3 21.4 64.2





#85

sec-Butylbenzene

Concen: 19.882 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampled :

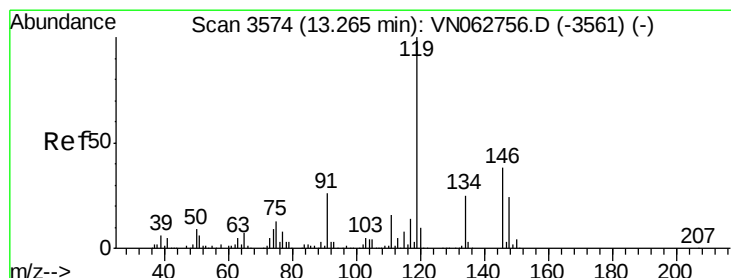
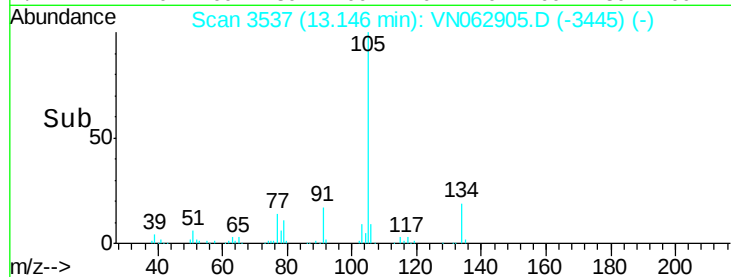
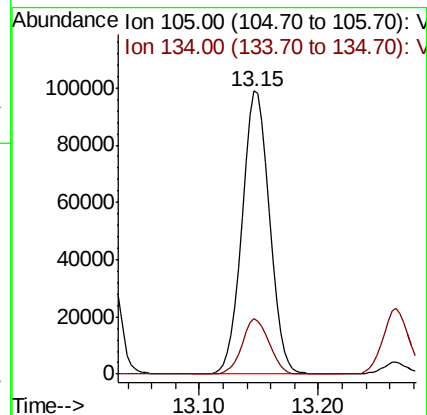
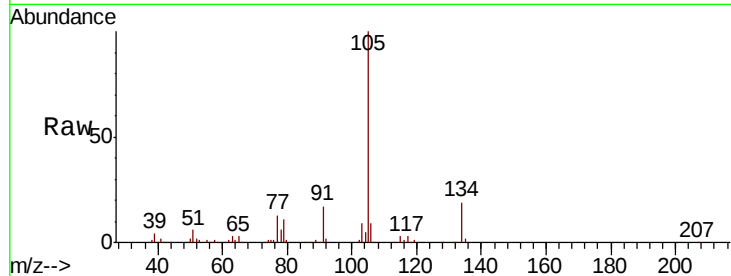
VN0813MBS01

Tot Ion:105 Resp: 158368

Ion Ratio Lower Upper

105 100

134 19.2 9.6 28.6



#86

p-Isopropyltoluene

Concen: 19.618 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

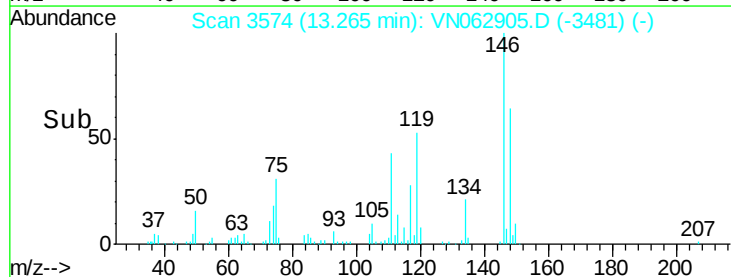
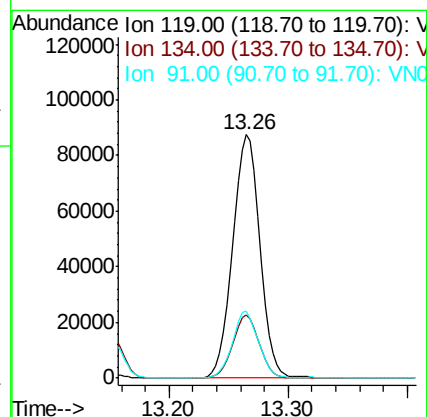
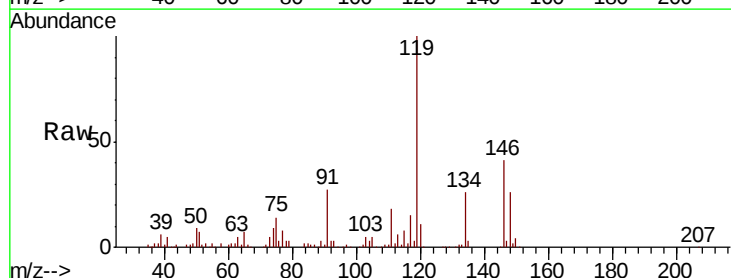
Tgt Ion:119 Resp: 138707

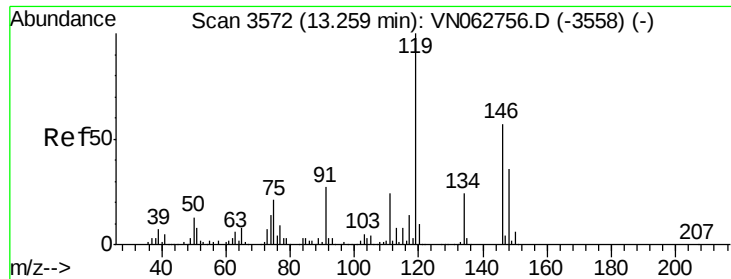
Ion Ratio Lower Upper

119 100

134 24.9 12.6 37.8

91 26.1 13.4 40.2

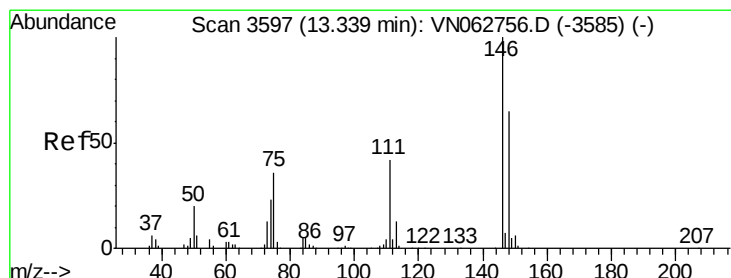
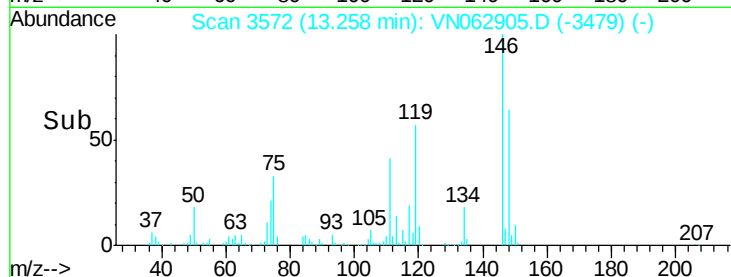
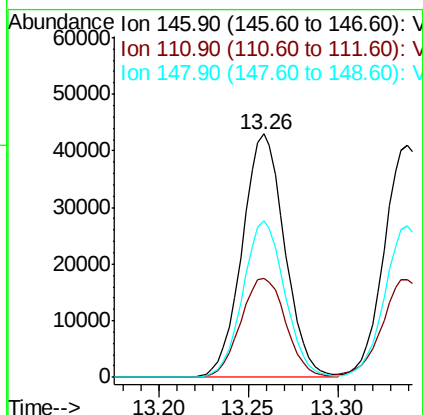
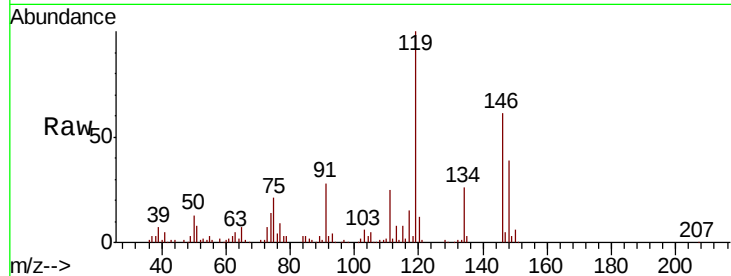




#87
 1,3-Dichlorobenzene
 Concen: 19.531 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

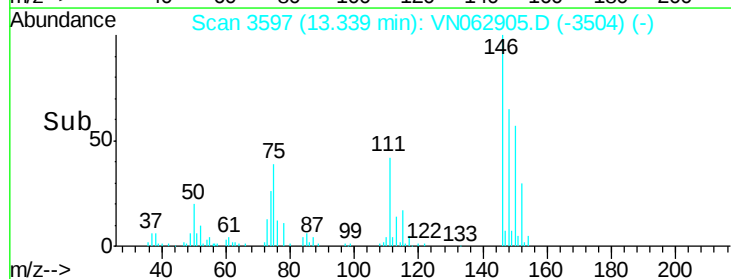
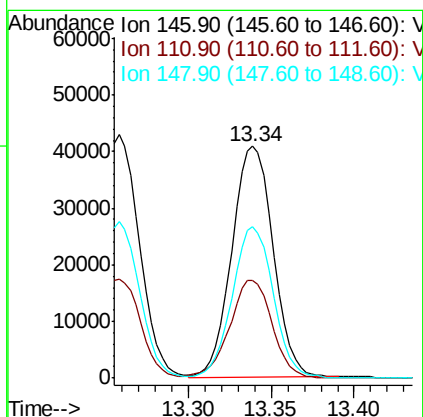
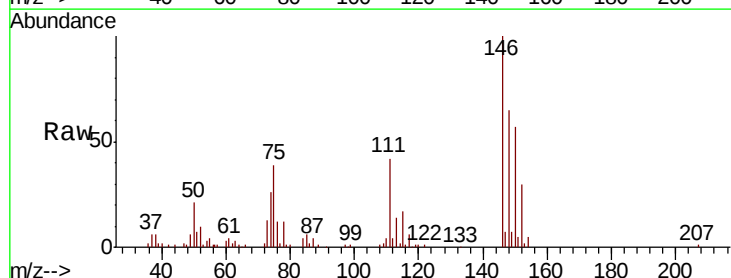
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

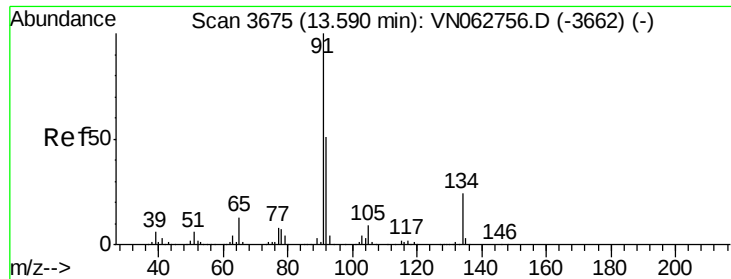
Tot Ion:146 Resp: 71634
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.7 65.1
 148 63.1 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 19.200 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

Tgt Ion:146 Resp: 70631
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.6 64.6
 148 65.5 32.6 97.8





#89

n-Butylbenzene

Concen: 17.971 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampled :

VN0813MBS01

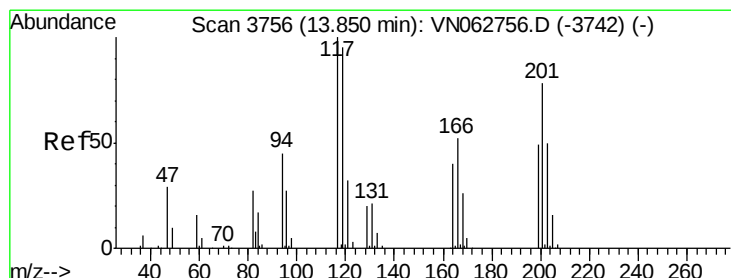
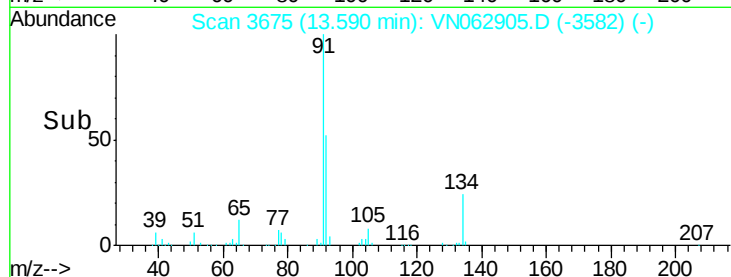
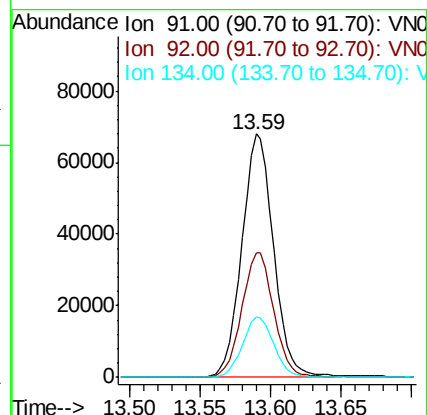
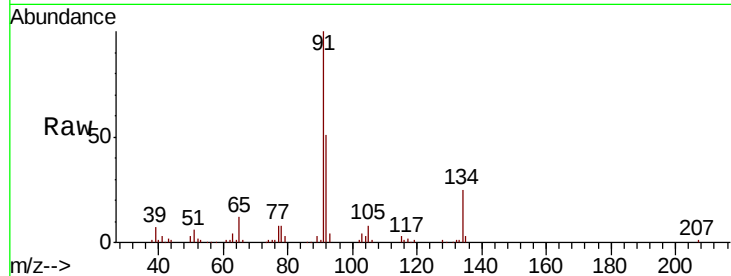
Tot Ion: 91 Resp: 107464

Ion Ratio Lower Upper

91 100

92 51.3 25.7 77.0

134 24.6 12.2 36.6



#90

Hexachloroethane

Concen: 18.740 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN062905.D

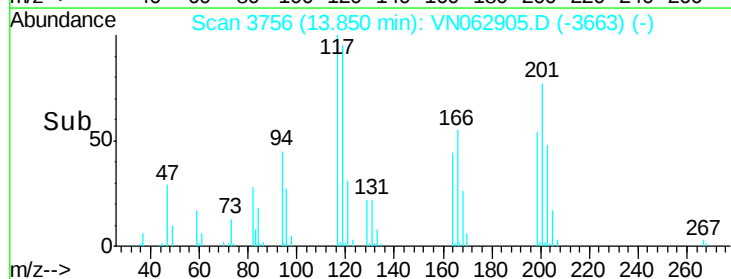
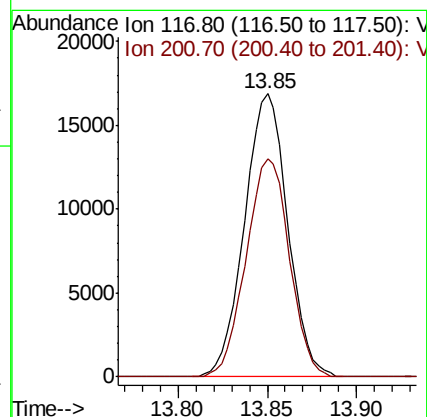
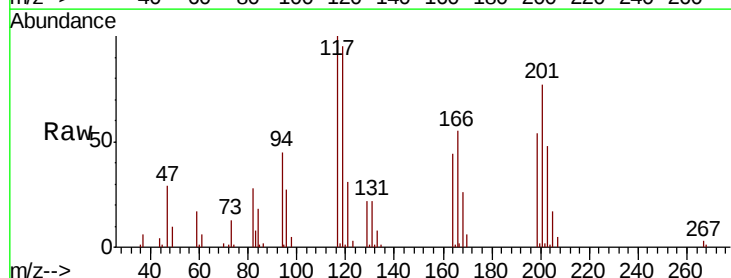
Acq: 13 Aug 2020 12:49

Tgt Ion: 117 Resp: 28561

Ion Ratio Lower Upper

117 100

201 77.2 39.2 117.6

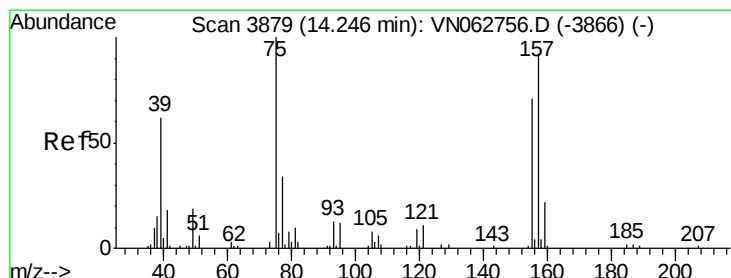
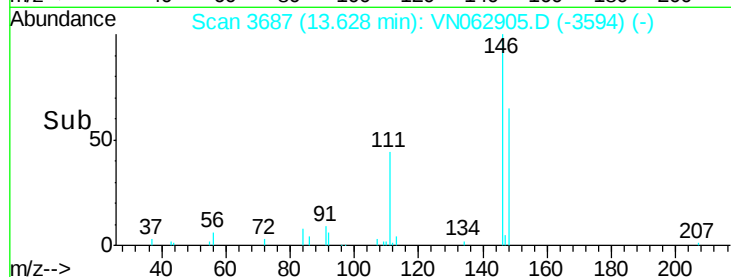
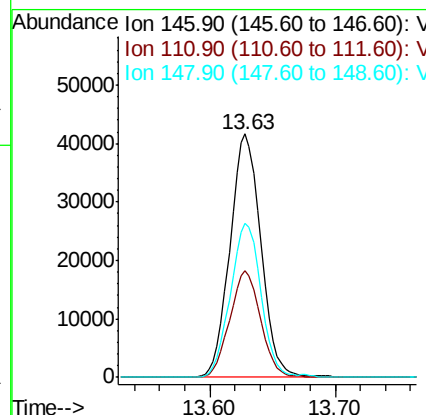
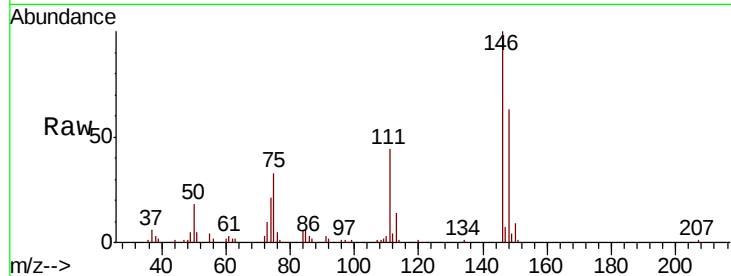




#91
 1,2-Dichlorobenzene
 Concen: 20.730 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

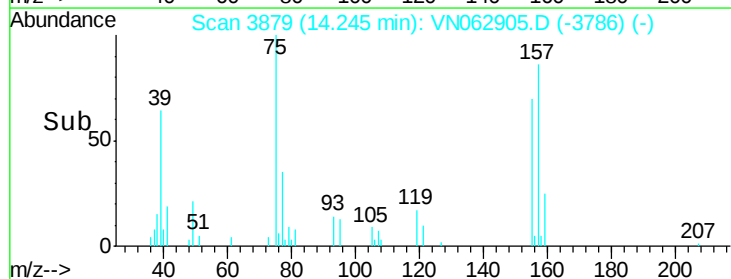
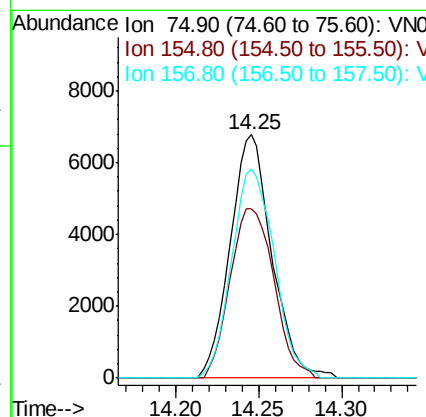
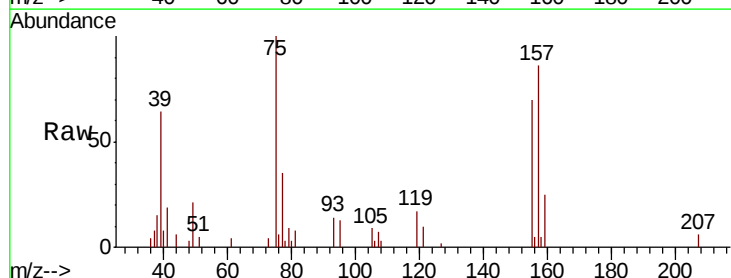
Instrument :
 MSVOA_N
 ClientSampled :
 VN0813MBS01

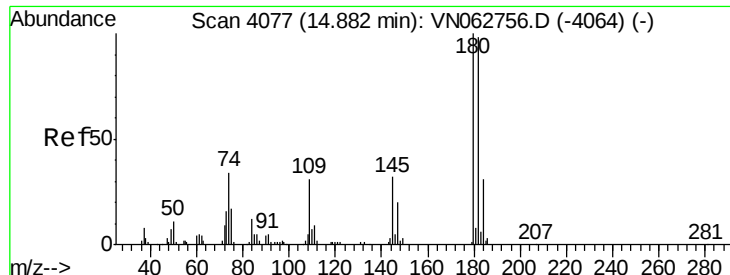
Tot Ion:146 Resp: 71283
 Ion Ratio Lower Upper
 146 100
 111 43.6 22.8 68.4
 148 63.0 31.9 95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.951 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. -0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

Tgt Ion: 75 Resp: 11834
 Ion Ratio Lower Upper
 75 100
 155 73.1 35.0 105.1
 157 88.1 43.2 129.6

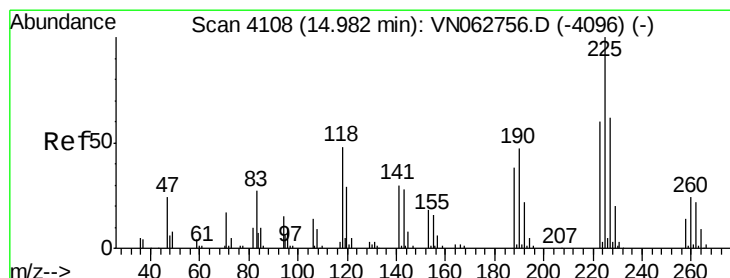
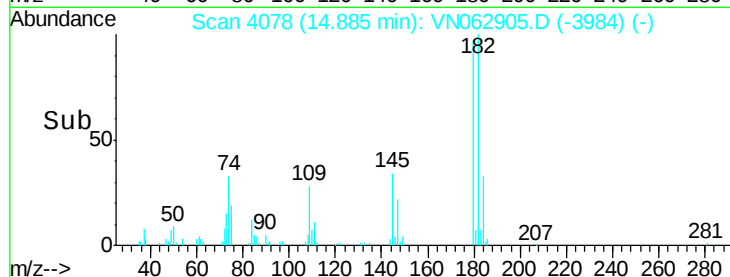
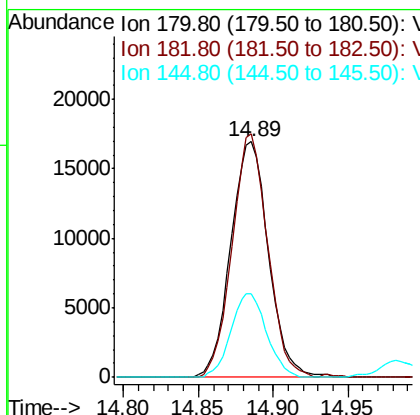
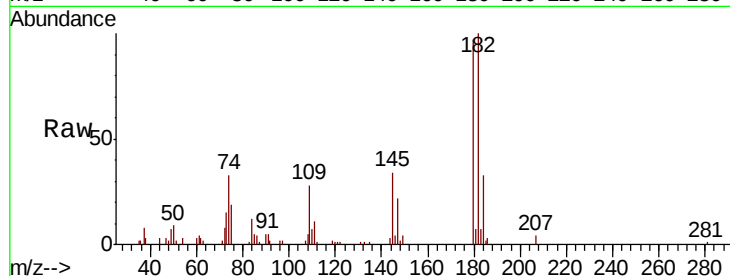




#93
 1,2,4-Trichlorobenzene
 Concen: 18.369 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

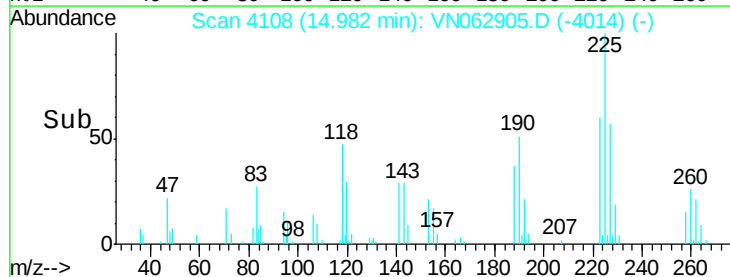
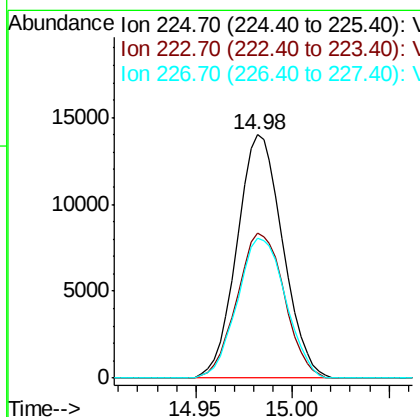
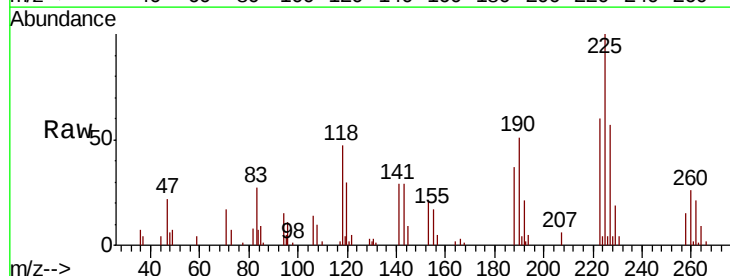
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0813MBS01

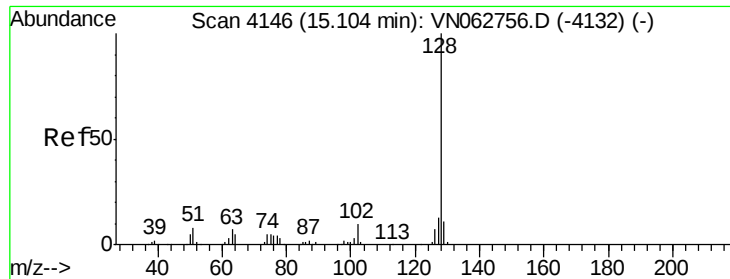
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	49.1	147.4
145	33.4	16.3	48.8



#94
 Hexachlorobutadiene
 Concen: 20.348 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN062905.D
 Acq: 13 Aug 2020 12:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	30.6	92.0
227	60.6	31.6	95.0





#95

Naphthalene

Concen: 18.035 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

Instrument :

MSVOA_N

ClientSampleId :

VN0813MBS01

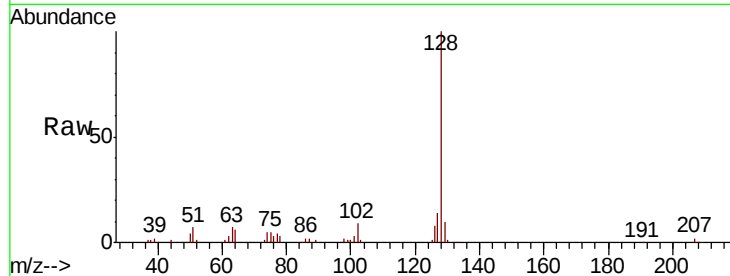
Tot Ion:128 Resp: 78062

Ion Ratio Lower Upper

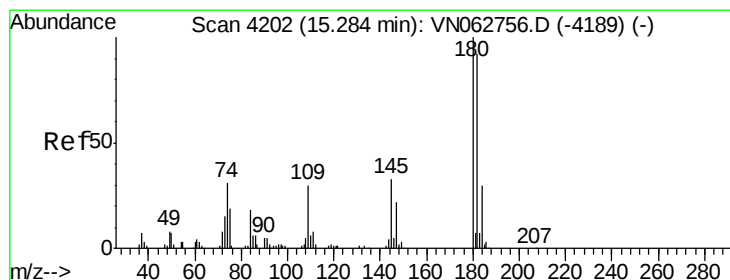
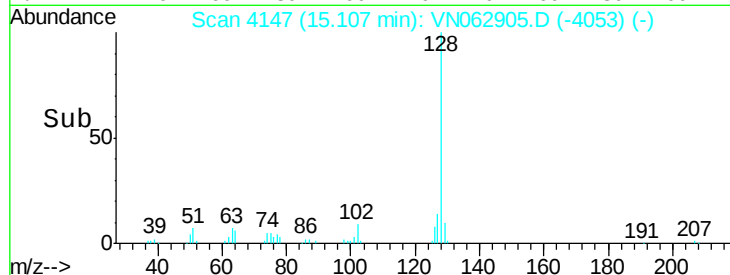
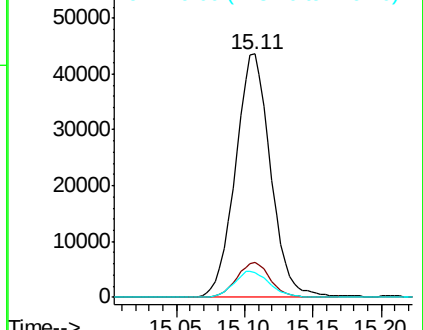
128 100

127 13.8 10.8 16.2

129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.031 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN062905.D

Acq: 13 Aug 2020 12:49

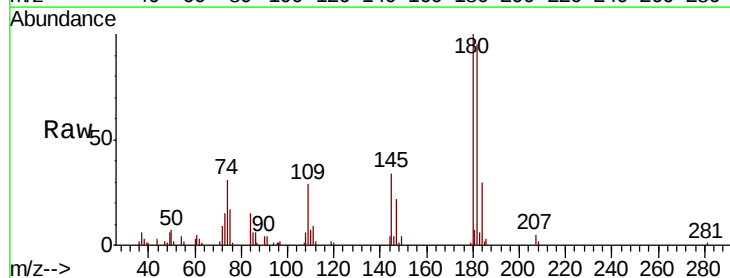
Tgt Ion:180 Resp: 31371

Ion Ratio Lower Upper

180 100

182 96.1 47.9 143.6

145 34.8 17.3 51.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

