

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121318\
 Data File : VN052855.D
 Acq On : 13 Dec 2018 11:07
 Operator : MD\SY
 Sample : VN1213MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

Quant Time: Dec 14 01:35:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	685576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1053170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	923709	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	414483	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	395132	54.20	ug/l	0.00
Spiked Amount			Recovery	=	108.40%	
35) Dibromofluoromethane	7.59	113	328684	55.91	ug/l	0.00
Spiked Amount			Recovery	=	111.82%	
50) Toluene-d8	10.09	98	1373274	53.88	ug/l	0.00
Spiked Amount			Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.40	95	451639	52.29	ug/l	0.00
Spiked Amount			Recovery	=	104.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	133339	18.894	ug/l	99
3) Chloromethane	2.06	50	158643	18.730	ug/l	99
4) Vinyl Chloride	2.19	62	160325	18.920	ug/l	99
5) Bromomethane	2.58	94	96425	18.449	ug/l	99
6) Chloroethane	2.71	64	92659	18.499	ug/l	99
7) Trichlorofluoromethane	3.03	101	194650	18.528	ug/l	99
8) Diethyl Ether	3.41	74	73355	19.141	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	123100	18.906	ug/l	100
10) Methyl Iodide	3.96	142	155248	17.025	ug/l	100
11) Tert butyl alcohol	4.78	59	34949	85.804	ug/l	99
12) 1,1-Dichloroethene	3.74	96	117149	18.586	ug/l	99
13) Acrolein	3.61	56	52786	137.647	ug/l	98
14) Allyl chloride	4.33	41	192488	18.697	ug/l	96
15) Acrylonitrile	4.99	53	214448	93.848	ug/l	99
16) Acetone	3.82	43	162679	99.364	ug/l	94
17) Carbon Disulfide	4.06	76	357666	18.471	ug/l	99
18) Methyl Acetate	4.33	43	106581	17.738	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	312133	18.241	ug/l	100
20) Methylene Chloride	4.56	84	137802	18.703	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	126136	18.471	ug/l	99
22) Diisopropyl ether	5.95	45	407393	18.549	ug/l	96
23) Vinyl Acetate	5.90	43	1221397	93.457	ug/l	100
24) 1,1-Dichloroethane	5.85	63	239256	18.890	ug/l	99
25) 2-Butanone	6.84	43	234035	92.127	ug/l	99
26) 2,2-Dichloropropane	6.83	77	171228	18.358	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	142190	18.346	ug/l	99
28) Bromochloromethane	7.20	49	82003	14.418	ug/l	99
29) Tetrahydrofuran	7.21	42	160061	92.293	ug/l	99
30) Chloroform	7.37	83	234450	18.982	ug/l	99
31) Cyclohexane	7.66	56	224925	17.835	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	191835	18.564	ug/l	99
36) 1,1-Dichloropropene	7.80	75	178577	18.413	ug/l	99
37) Ethyl Acetate	6.93	43	108673	18.653	ug/l	99
38) Carbon Tetrachloride	7.78	117	165135	18.499	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	209952	17.641	ug/l	99
40) Benzene	8.04	78	540188	18.558	ug/l	97
41) Methacrylonitrile	7.18	41	63387	19.636	ug/l	92
42) 1,2-Dichloroethane	8.12	62	165989	18.942	ug/l	100
43) Isopropyl Acetate	8.17	43	201434	16.863	ug/l	98
44) Trichloroethene	8.84	130	145176	18.465	ug/l	97
45) 1,2-Dichloropropane	9.12	63	142344	18.670	ug/l	99
46) Dibromomethane	9.21	93	82108	18.570	ug/l	99
47) Bromodichloromethane	9.40	83	172885	18.855	ug/l	99
48) Methyl methacrylate	9.20	41	97356	18.585	ug/l	99
49) 1,4-Dioxane	9.20	88	22258	374.329	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	506278	92.431	ug/l	99
52) Toluene	10.16	92	330792	18.763	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	165878	17.978	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	198591	18.062	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	117603	18.687	ug/l	96
56) Ethyl methacrylate	10.43	69	145306	17.991	ug/l	98
57) 1,3-Dichloropropane	10.71	76	201901	18.708	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	287408	63.777	ug/l	99
59) 2-Hexanone	10.75	43	347771	92.647	ug/l	97
60) Dibromochloromethane	10.90	129	125768	18.491	ug/l	97
61) 1,2-Dibromoethane	11.01	107	114671	18.434	ug/l	100
64) Tetrachloroethene	10.63	164	147271	18.550	ug/l	99
65) Chlorobenzene	11.43	112	348766	18.199	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	122324	18.354	ug/l	99
67) Ethyl Benzene	11.51	91	596107	18.113	ug/l	99
68) m/p-Xylenes	11.62	106	451550	36.541	ug/l	100
69) o-Xylene	11.95	106	221948	18.393	ug/l	100
70) Styrene	11.96	104	352922	18.194	ug/l	100
71) Bromoform	12.13	173	81168	17.926	ug/l #	99
73) Isopropylbenzene	12.25	105	576965	18.644	ug/l	99
74) N-amyl acetate	12.07	43	149365	17.580	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	131392	18.944	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	163910	26.804	ug/l #	100
77) Bromobenzene	12.53	156	148787	18.903	ug/l	98
78) n-propylbenzene	12.59	91	646745	18.324	ug/l	100
79) 2-Chlorotoluene	12.67	91	385363	18.469	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	467285	18.705	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32478	17.062	ug/l	92
82) 4-Chlorotoluene	12.77	91	388293	18.201	ug/l	99
83) tert-Butylbenzene	12.99	119	407936	18.511	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	469756	18.574	ug/l	99
85) sec-Butylbenzene	13.17	105	549643	18.417	ug/l	100
86) p-Isopropyltoluene	13.29	119	469389	18.154	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	252106	18.023	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	248405	17.933	ug/l	98
89) n-Butylbenzene	13.62	91	374730	17.215	ug/l	100
90) Hexachloroethane	13.88	117	76229	17.606	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	243900	18.127	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19401	18.557	ug/l	97

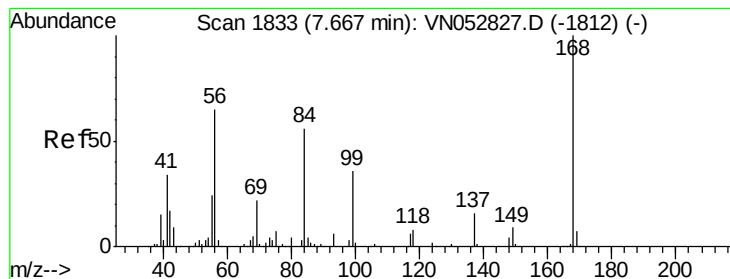
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121318\
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Quant Title : SW846 8260
QLast Update : Thu Dec 13 01:08:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	117999	16.133	ug/l	100
94) Hexachlorobutadiene	15.01	225	80967	19.125	ug/l	99
95) Naphthalene	15.13	128	240124	15.851	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	109521	16.319	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

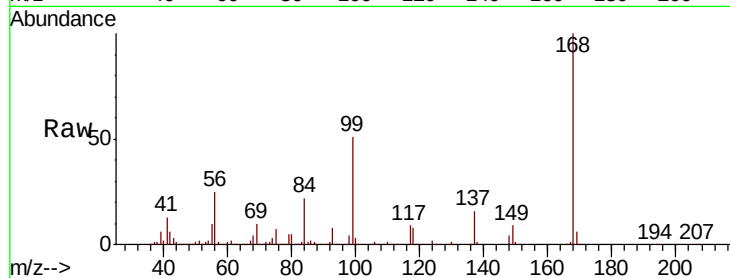
VN1213MBS01

Tot Ion:168 Resp: 685576

Ion Ratio Lower Upper

168 100

99 50.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

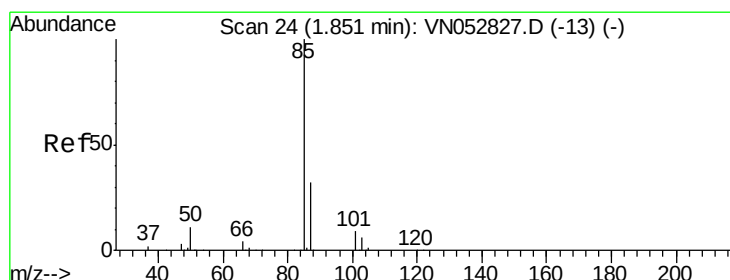
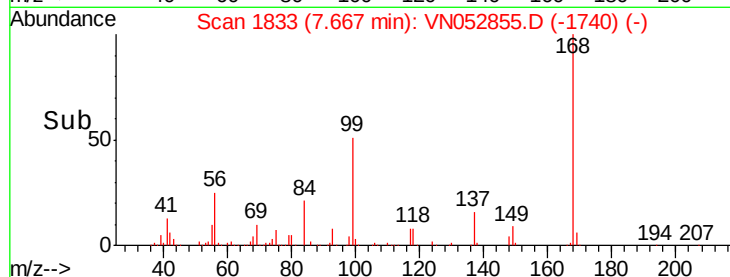
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.894 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052855.D

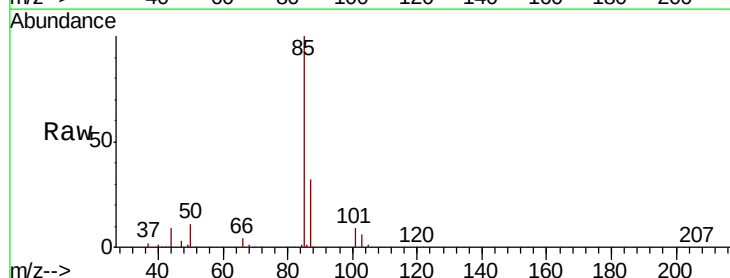
Acq: 13 Dec 2018 11:07

Tgt Ion: 85 Resp: 133339

Ion Ratio Lower Upper

85 100

87 32.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

100000

80000

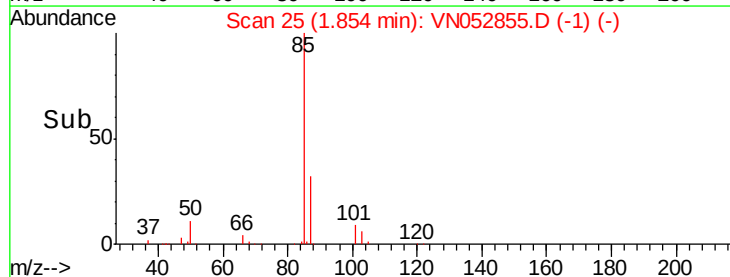
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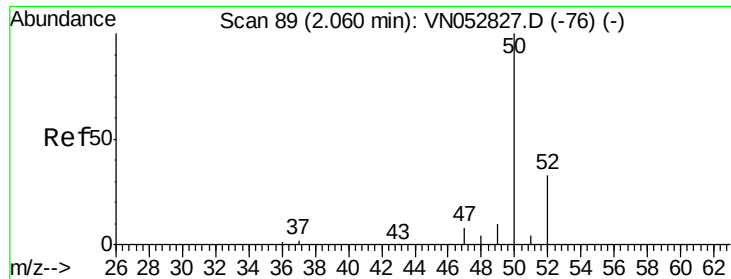
40000

20000

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Time-->





#3

Chloromethane

Concen: 18.730 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

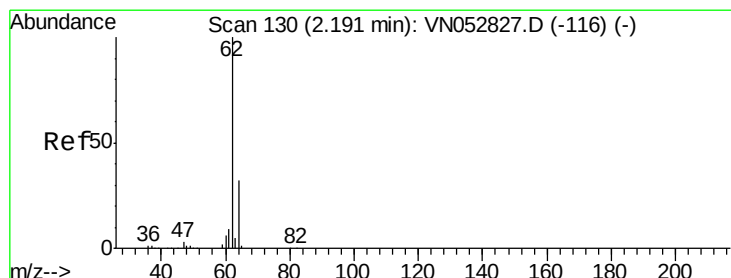
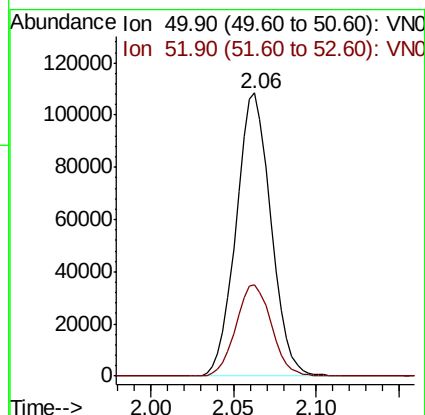
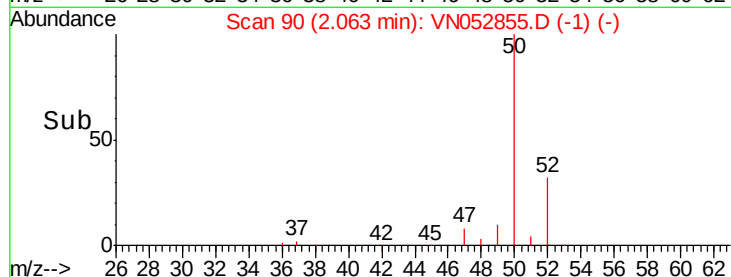
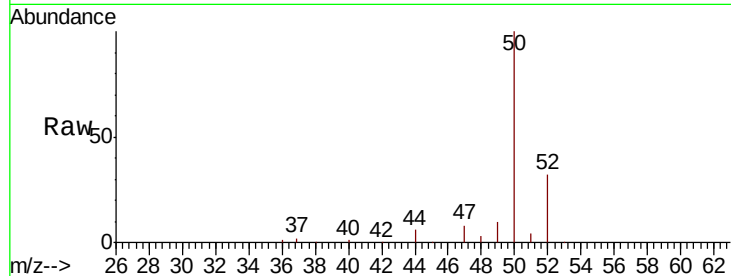
VN1213MBS01

Tot Ion: 50 Resp: 158643

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.4



#4

Vinyl Chloride

Concen: 18.920 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052855.D

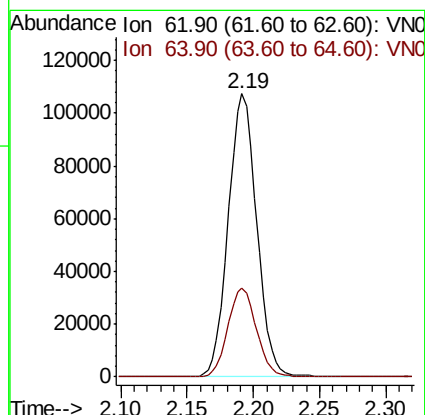
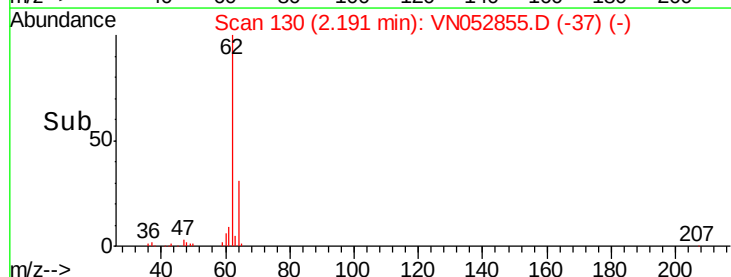
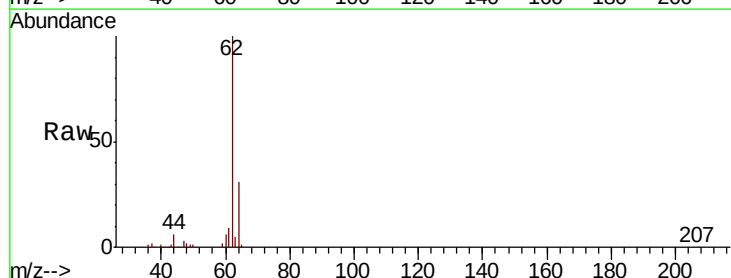
Acq: 13 Dec 2018 11:07

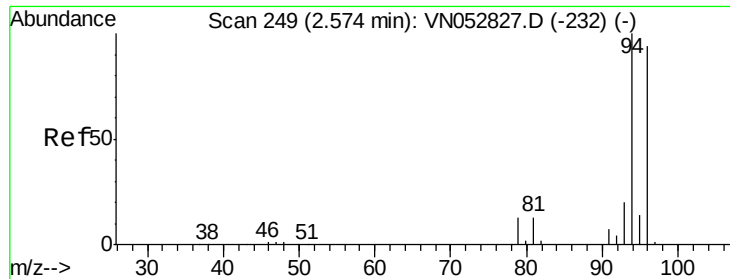
Tgt Ion: 62 Resp: 160325

Ion Ratio Lower Upper

62 100

64 31.2 25.5 38.3





#5

Bromomethane

Concen: 18.449 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

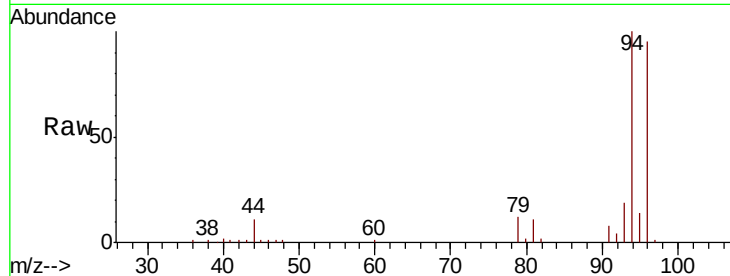
VN1213MBS01

Tot Ion: 94 Resp: 96425

Ion Ratio Lower Upper

94 100

96 94.7 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

60000

50000

40000

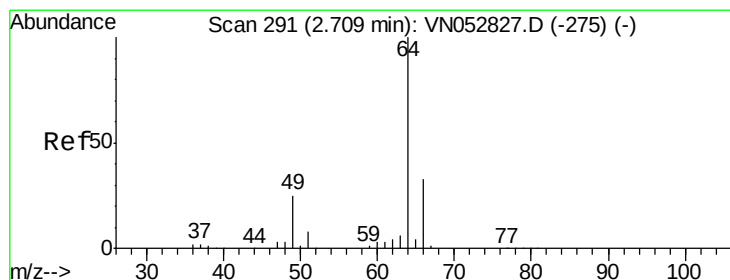
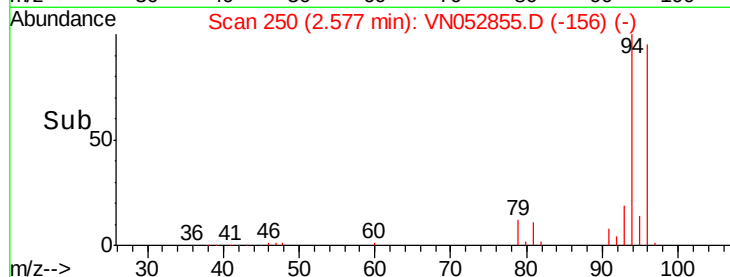
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 18.499 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052855.D

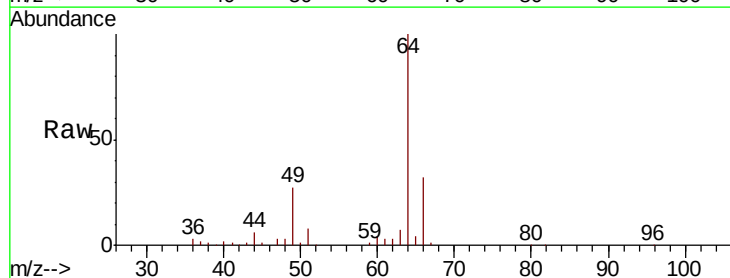
Acq: 13 Dec 2018 11:07

Tgt Ion: 64 Resp: 92659

Ion Ratio Lower Upper

64 100

66 32.2 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

50000

40000

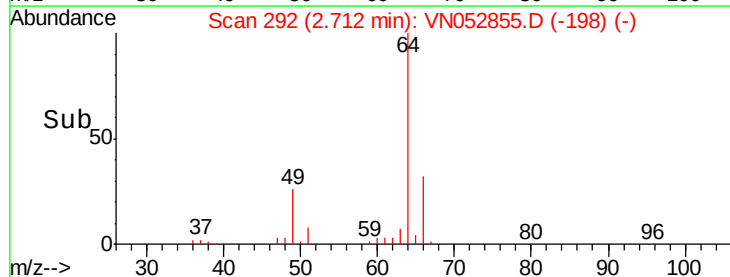
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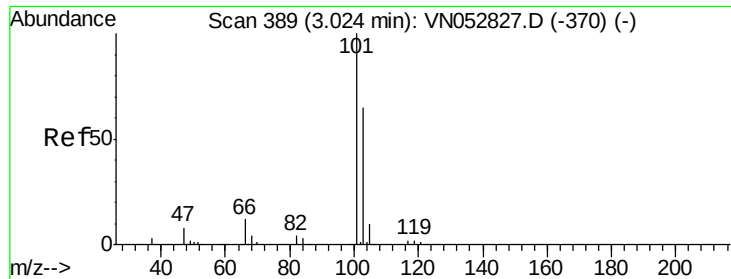
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10000

0

Time-->



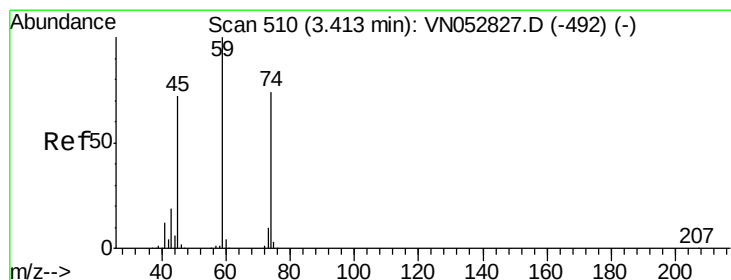
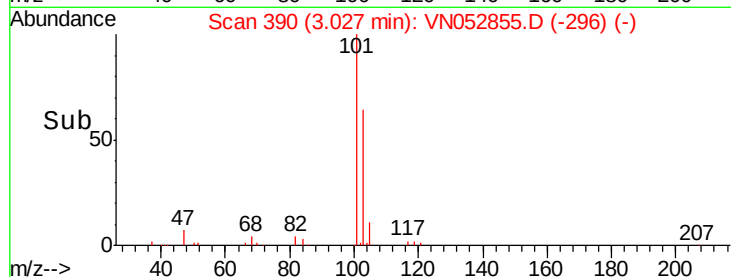
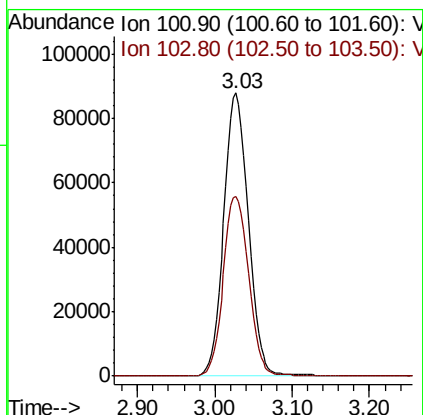
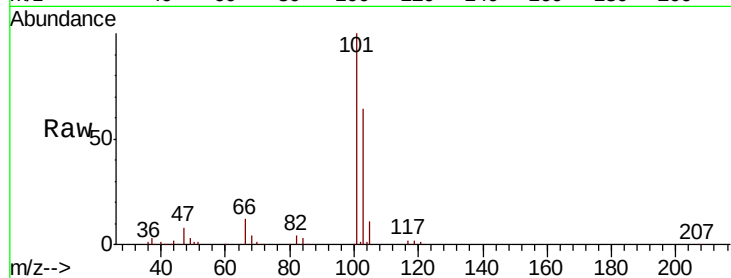


#7

Trichlorofluoromethane
Concen: 18.528 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

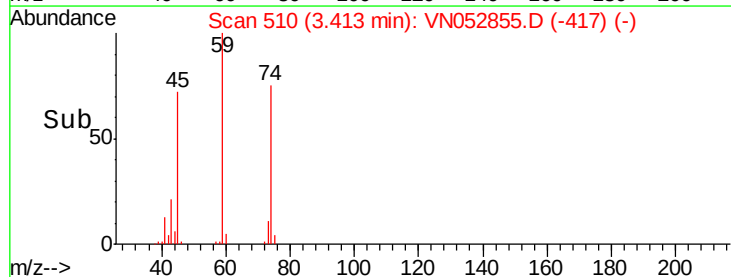
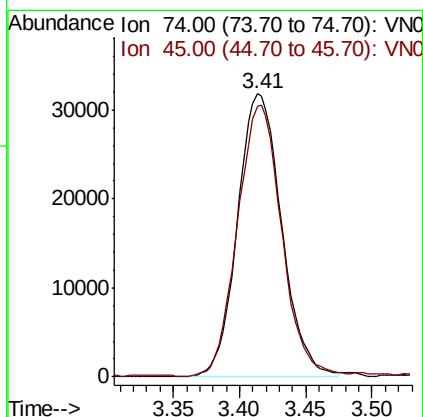
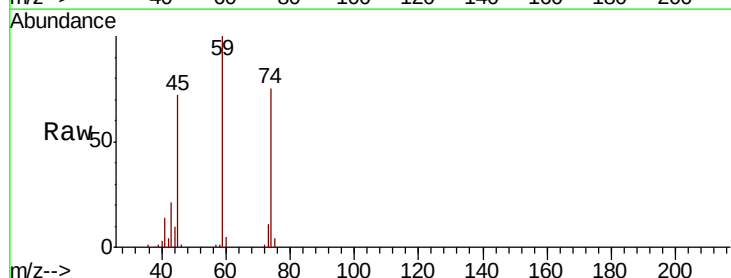
Tot Ion:101 Resp: 194650
Ion Ratio Lower Upper
101 100
103 63.6 51.8 77.6

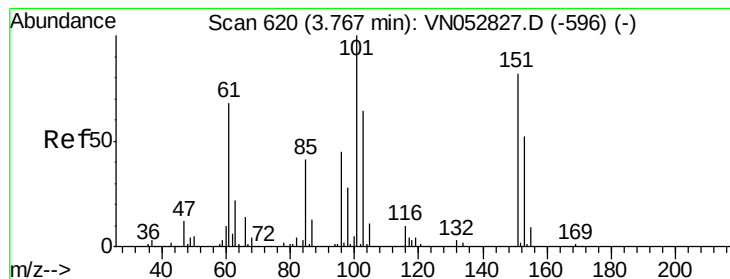


#8

Diethyl Ether
Concen: 19.141 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion: 74 Resp: 73355
Ion Ratio Lower Upper
74 100
45 96.8 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.906 ug/l

RT: 3.77 min Scan# 621

Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

VN1213MBS01

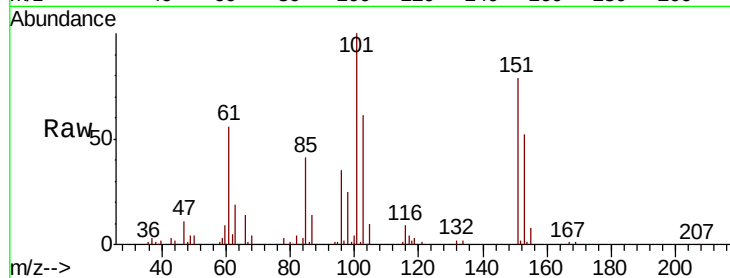
Tot Ion:101 Resp: 123100

Ion Ratio Lower Upper

101 100

85 41.7 33.6 50.4

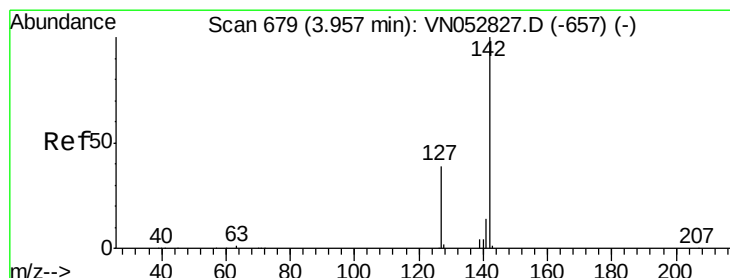
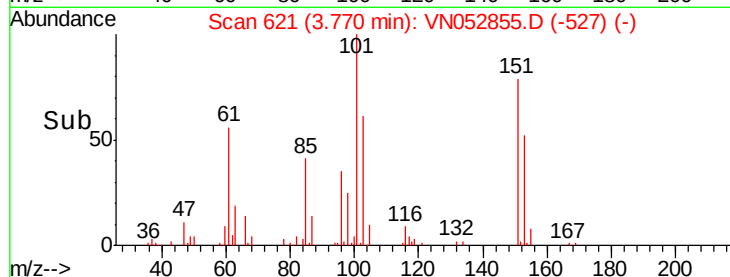
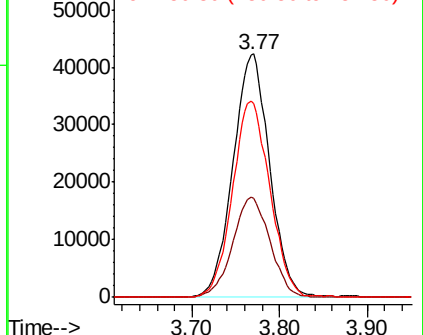
151 82.2 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.025 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

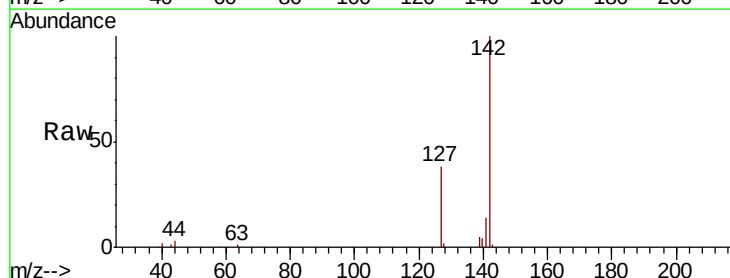
Tgt Ion:142 Resp: 155248

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.6

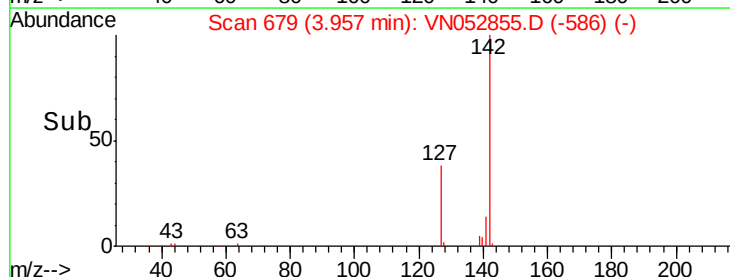
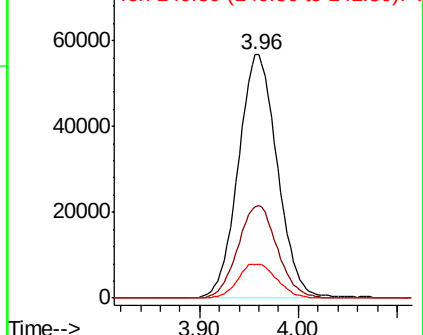
141 13.9 11.2 16.8

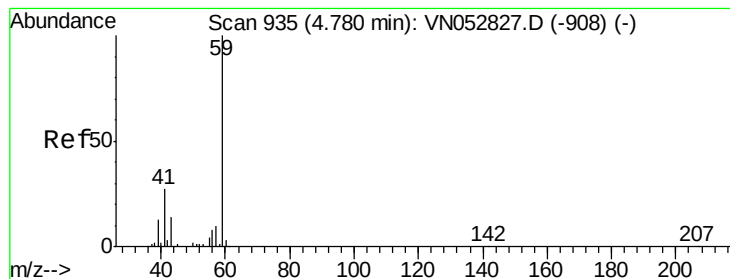


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 85.804 ug/l

RT: 4.78 min Scan# 935

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

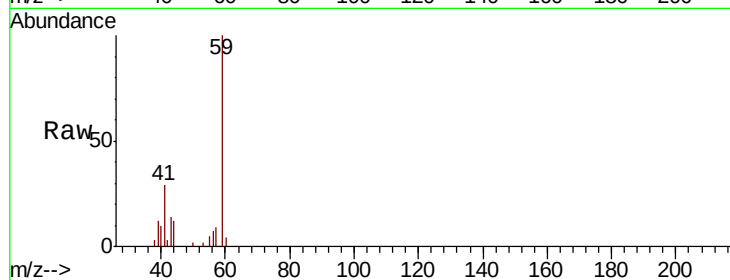
VN1213MBS01

Tot Ion: 59 Resp: 34949

Ion Ratio Lower Upper

59 100

57 9.9 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VN052827.D (-908) (-)

Ion 57.00 (56.70 to 57.70): VN052827.D (-908) (-)

4.78

10000

8000

6000

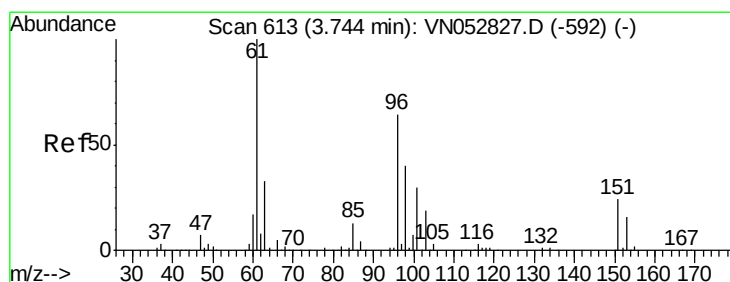
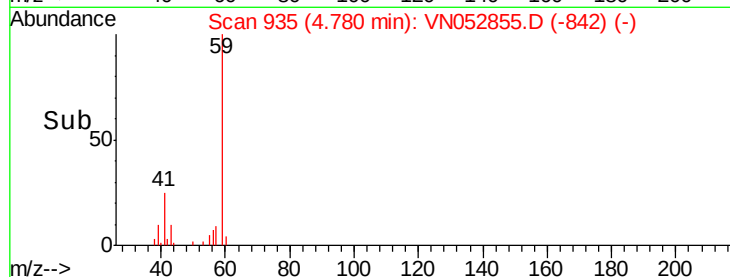
4000

2000

0

Time-->

4.70 4.80 4.90



#12

1,1-Dichloroethene

Concen: 18.586 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

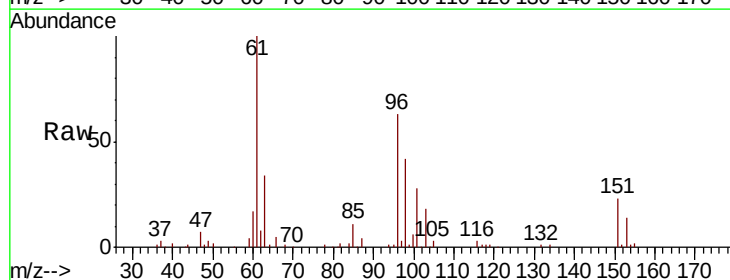
Tgt Ion: 96 Resp: 117149

Ion Ratio Lower Upper

96 100

61 157.6 125.6 188.4

98 65.5 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VN052827.D (-592) (-)

Ion 60.90 (60.60 to 61.60): VN052827.D (-592) (-)

Ion 97.90 (97.60 to 98.60): VN052827.D (-592) (-)

3.74

10000

8000

6000

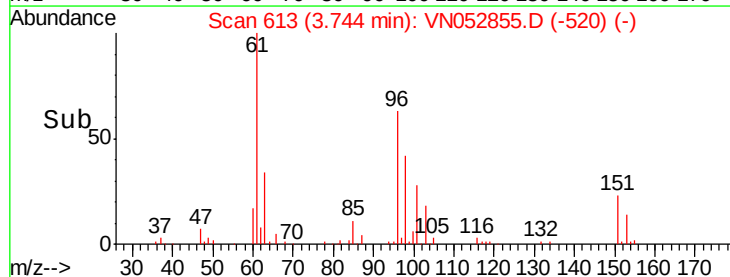
4000

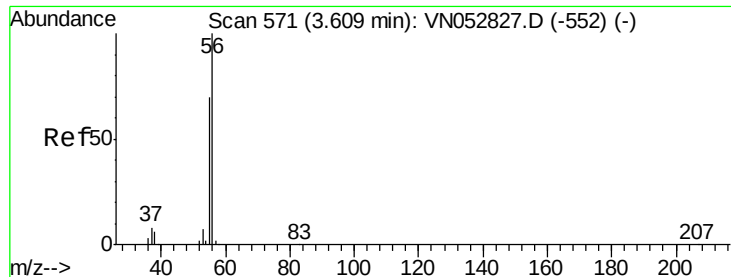
2000

0

Time-->

3.70 3.80





#13

Acrolein

Concen: 137.647 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

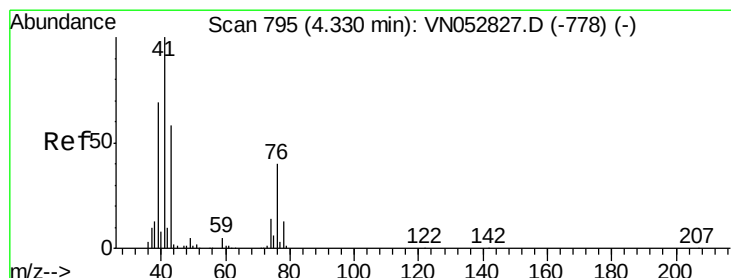
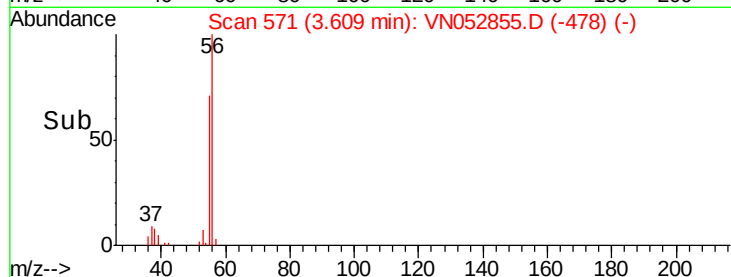
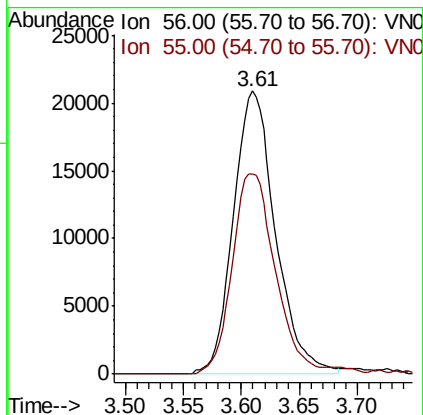
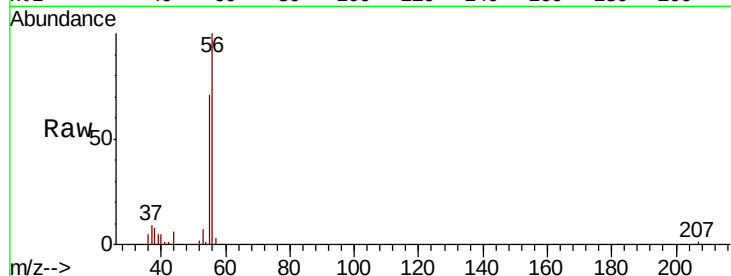
VN1213MBS01

Tot Ion: 56 Resp: 52786

Ion Ratio Lower Upper

56 100

55 72.2 56.6 85.0



#14

Allyl chloride

Concen: 18.697 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

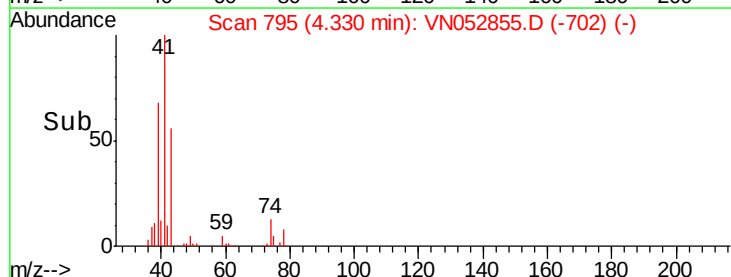
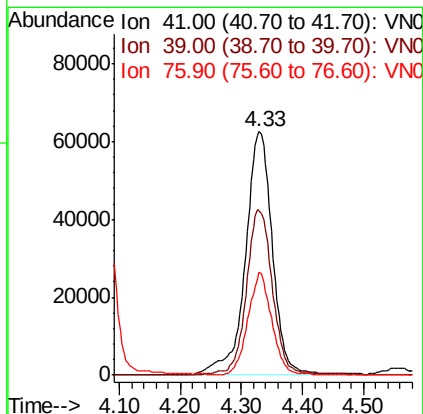
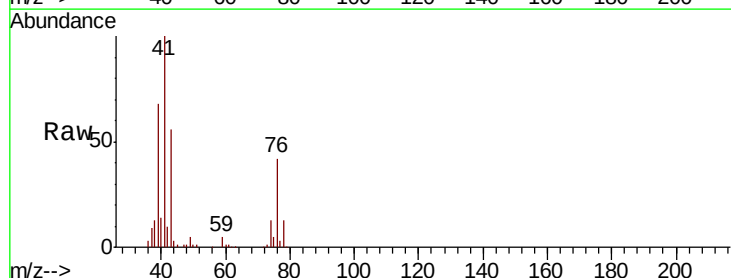
Tgt Ion: 41 Resp: 192488

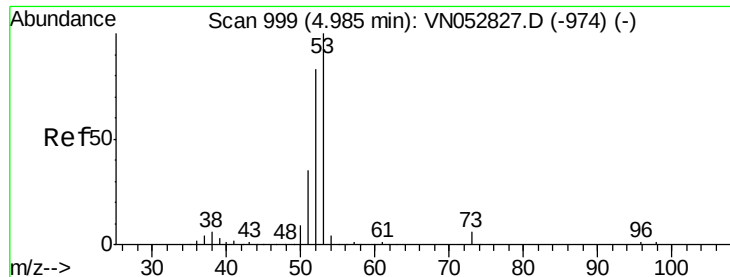
Ion Ratio Lower Upper

41 100

39 63.6 54.1 81.1

76 37.0 30.3 45.5





#15

Acrylonitrile

Concen: 93.848 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

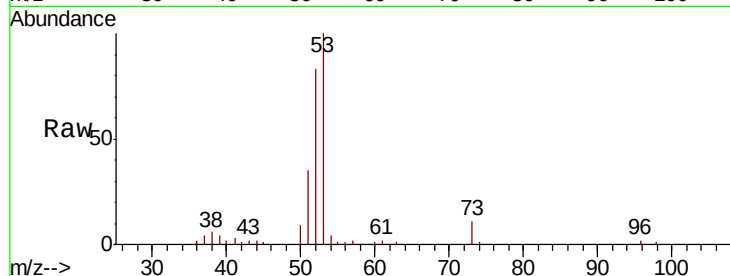
Tot Ion: 53 Resp: 214448

Ion Ratio Lower Upper

53 100

52 80.9 65.1 97.7

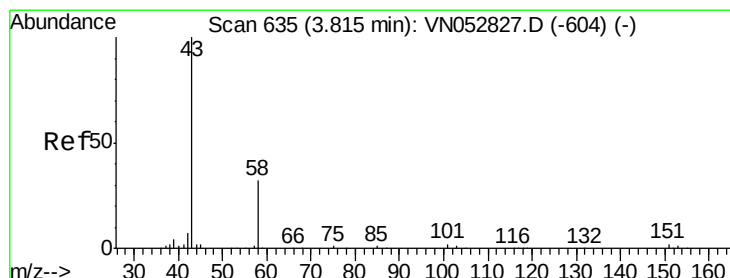
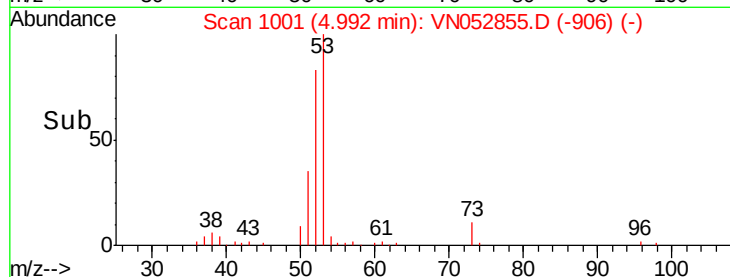
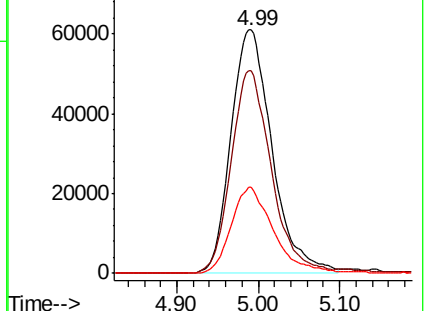
51 36.3 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 99.364 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052855.D

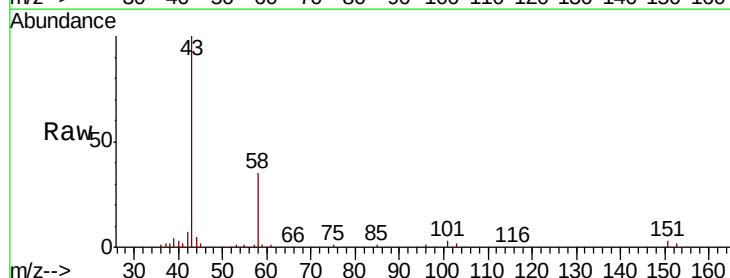
Acq: 13 Dec 2018 11:07

Tgt Ion: 43 Resp: 162679

Ion Ratio Lower Upper

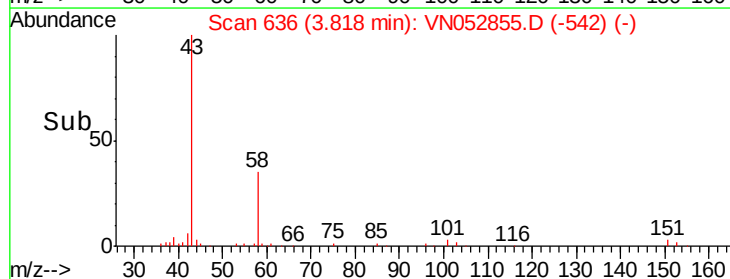
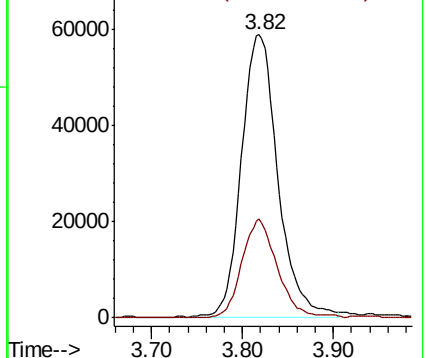
43 100

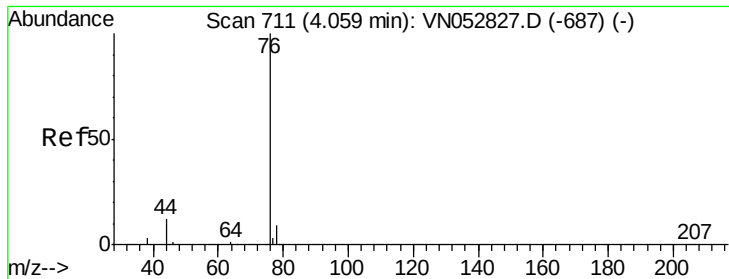
58 34.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.471 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

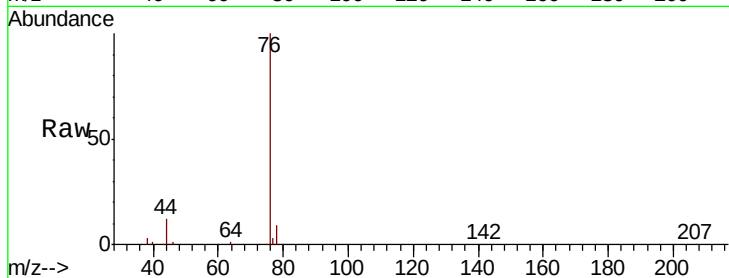
VN1213MBS01

Tot Ion: 76 Resp: 357666

Ion Ratio Lower Upper

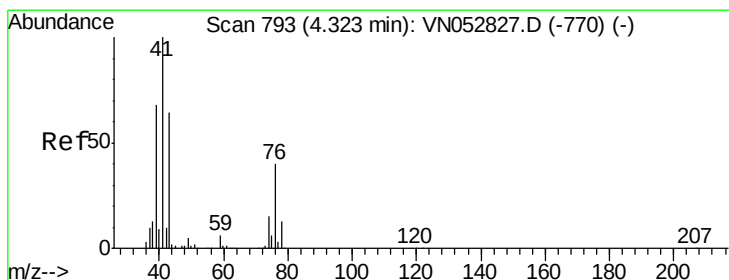
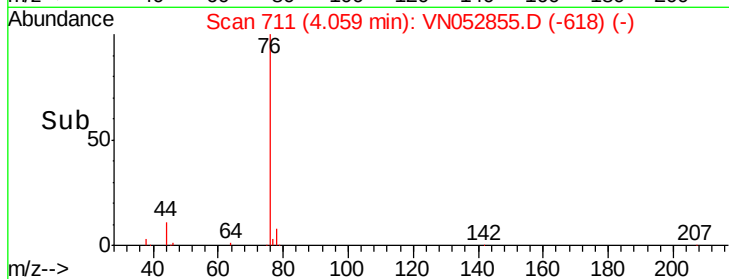
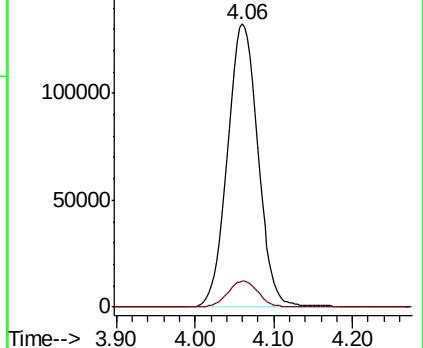
76 100

78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 17.738 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052855.D

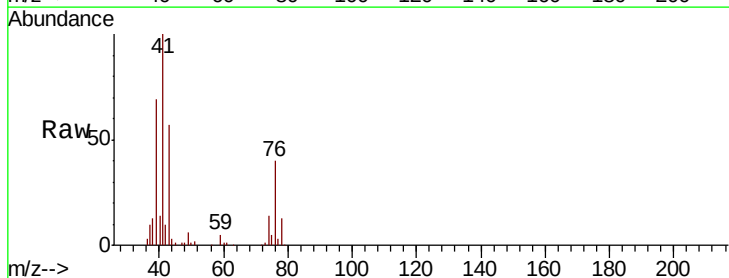
Acq: 13 Dec 2018 11:07

Tgt Ion: 43 Resp: 106581

Ion Ratio Lower Upper

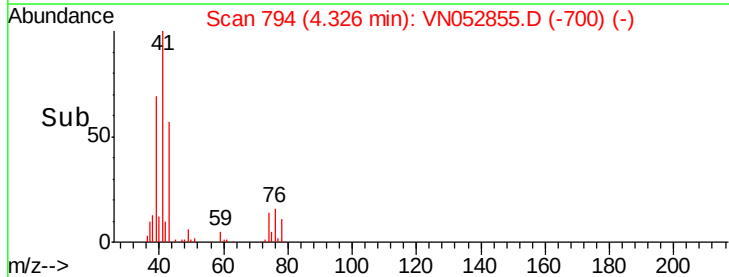
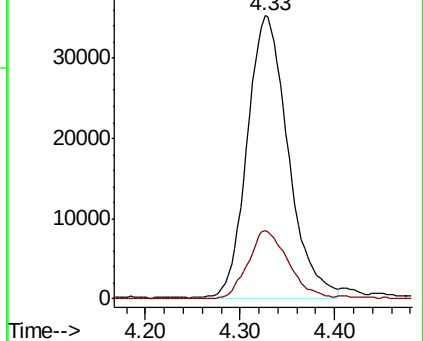
43 100

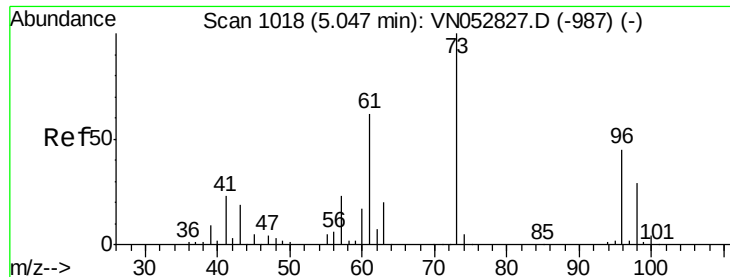
74 23.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

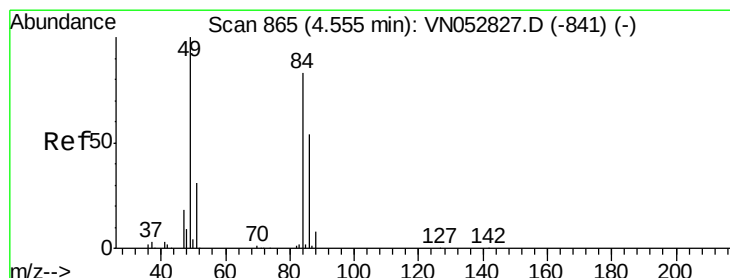
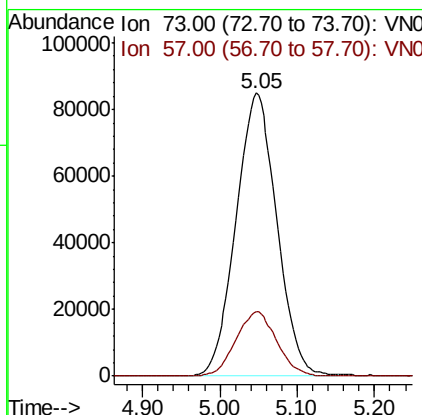
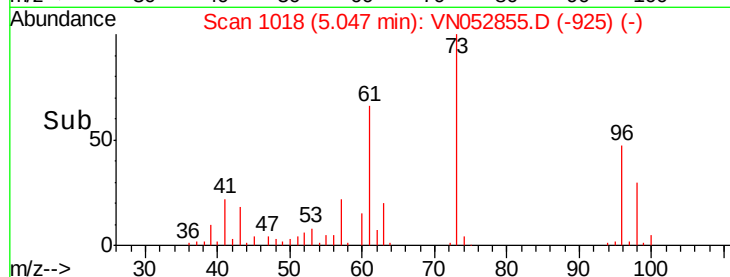
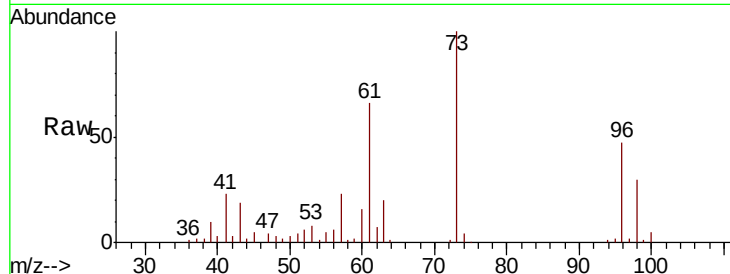




#19
Methvl tert-butyl Ether
Concen: 18.241 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

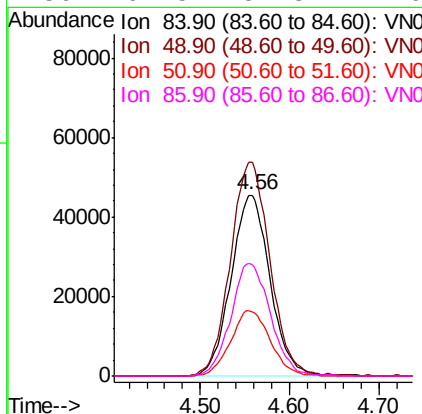
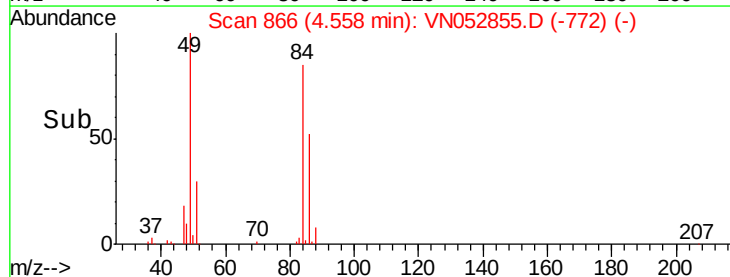
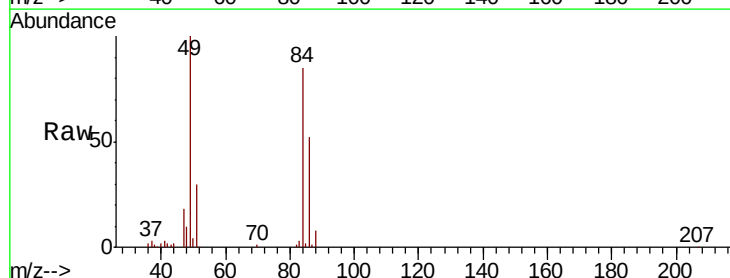
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

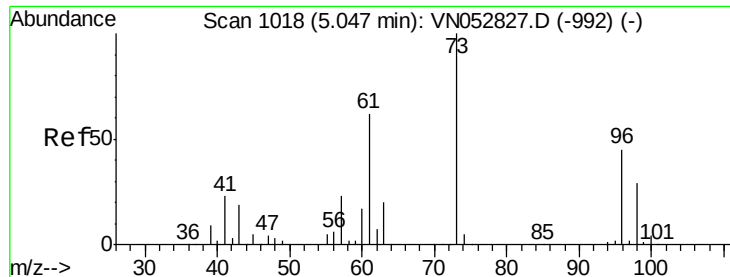
Tot Ion: 73 Resp: 312133
Ion Ratio Lower Upper
73 100
57 23.0 18.4 27.6



#20
Methylene Chloride
Concen: 18.703 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion: 84 Resp: 137802
Ion Ratio Lower Upper
84 100
49 118.0 96.8 145.2
51 35.4 29.9 44.9
86 61.5 51.8 77.6

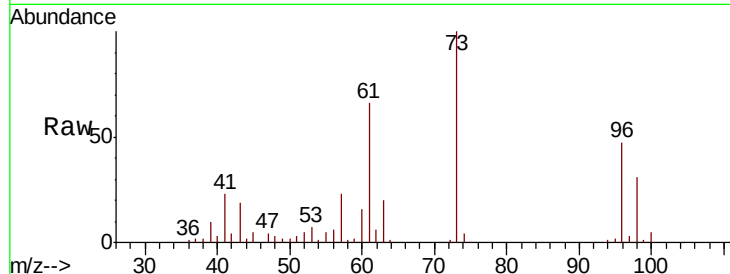




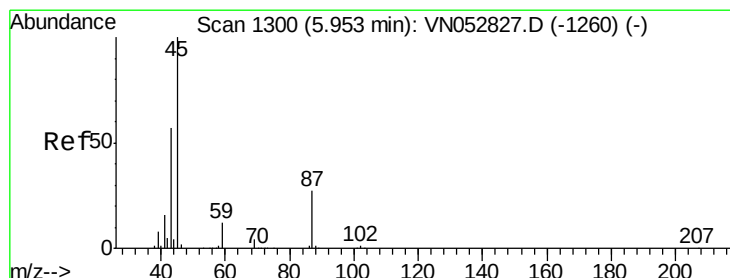
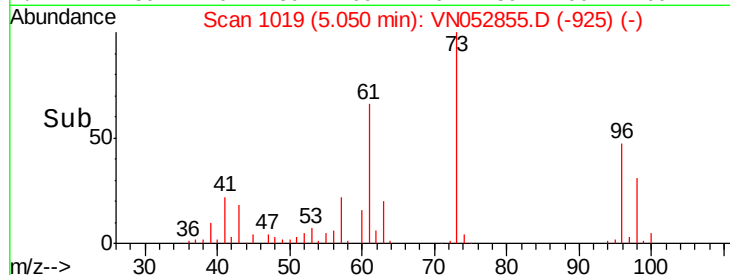
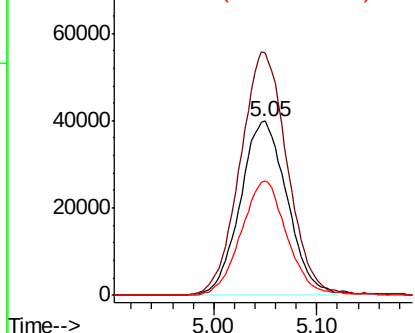
#21
trans-1,2-Dichloroethene
Concen: 18.471 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion: 96 Resp: 126136
Ion Ratio Lower Upper
96 100
61 138.6 110.8 166.2
98 65.6 51.4 77.2

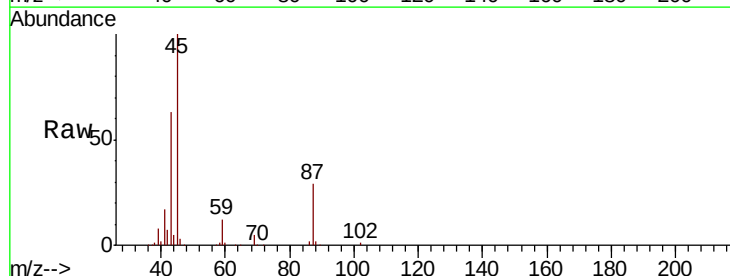


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

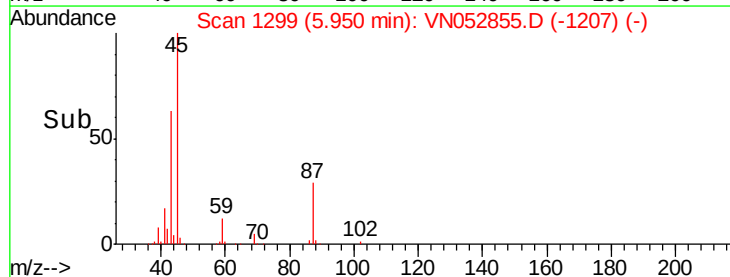
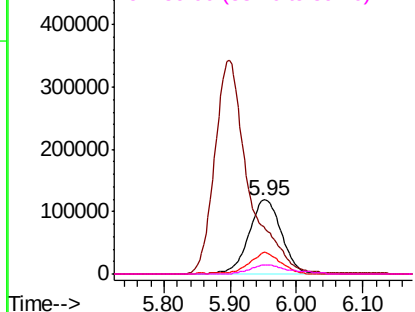


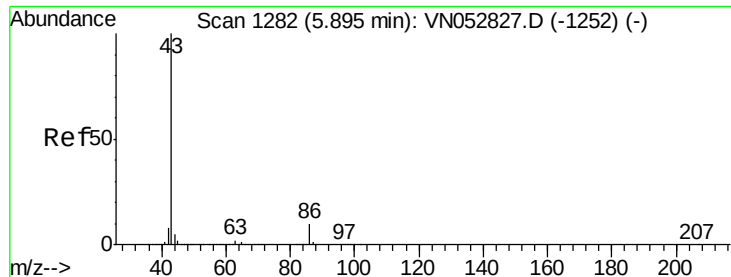
#22
Diisopropyl ether
Concen: 18.549 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion: 45 Resp: 407393
Ion Ratio Lower Upper
45 100
43 61.7 45.5 68.3
87 28.4 22.0 33.0
59 11.4 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 93.457 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

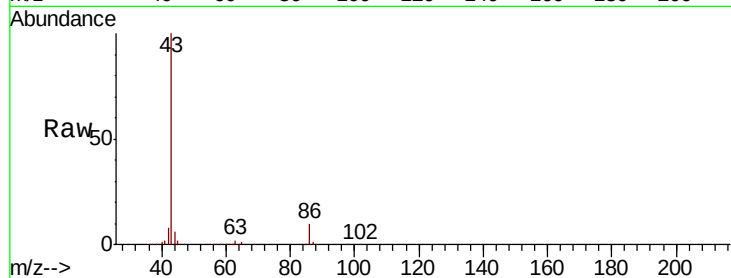
VN1213MBS01

Tot Ion: 43 Resp: 1221397

Ion Ratio Lower Upper

43 100

86 10.1 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1252) (-)

Ion 86.00 (85.70 to 86.70): VN052827.D (-1252) (-)

5.90

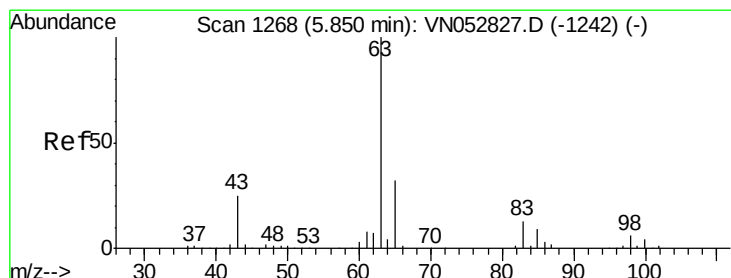
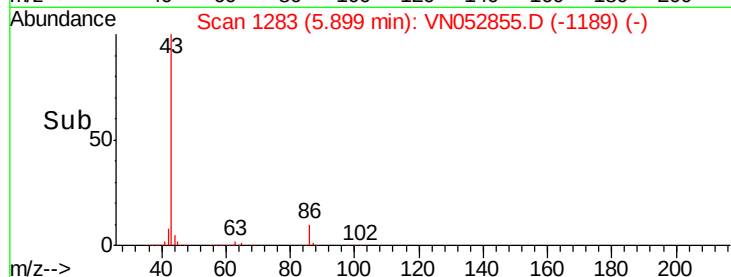
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.890 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

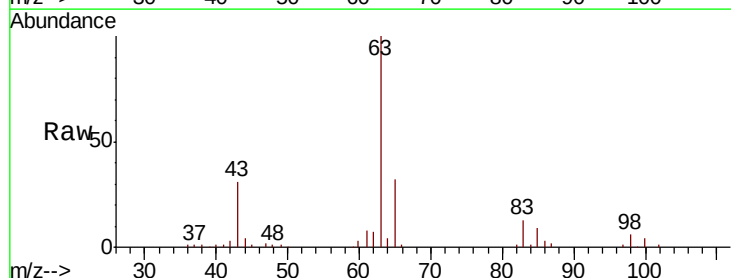
Tgt Ion: 63 Resp: 239256

Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.4

100 4.5 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN052827.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN052827.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN052827.D (-1242) (-)

5.85

100000

80000

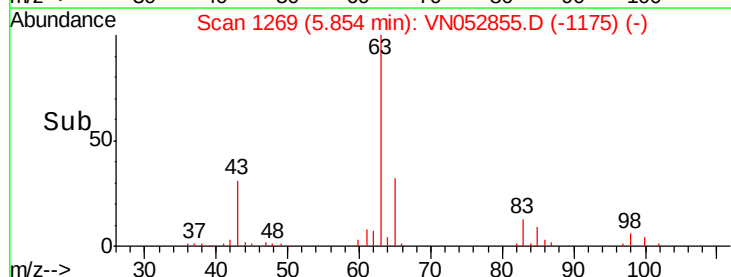
60000

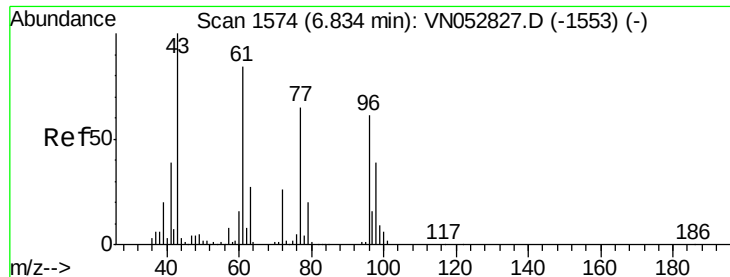
40000

20000

0

Time-->

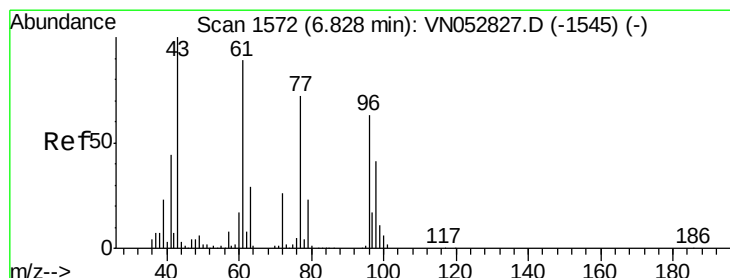
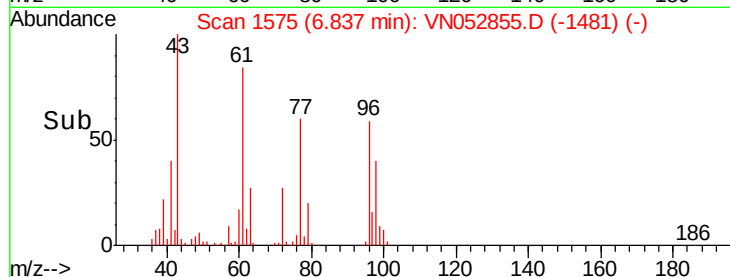
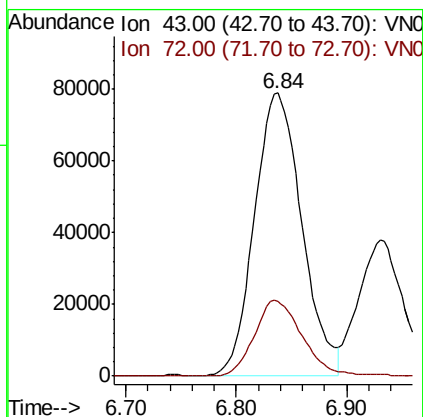
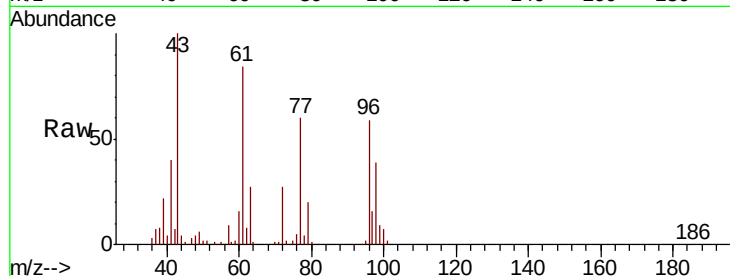




#25
 2-Butanone
 Concen: 92.127 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

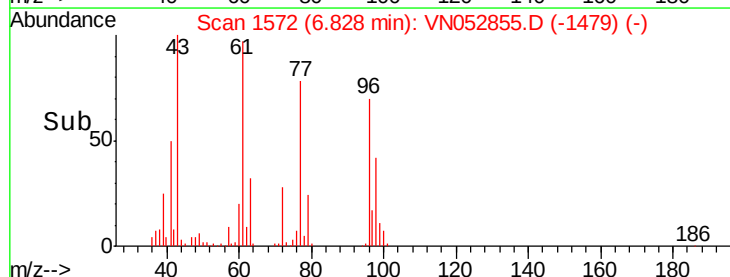
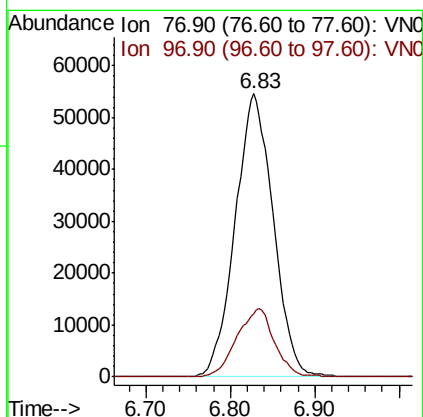
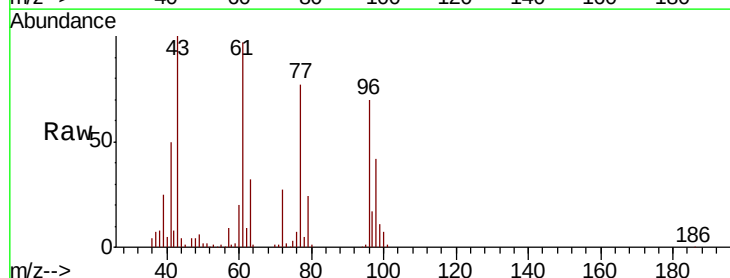
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

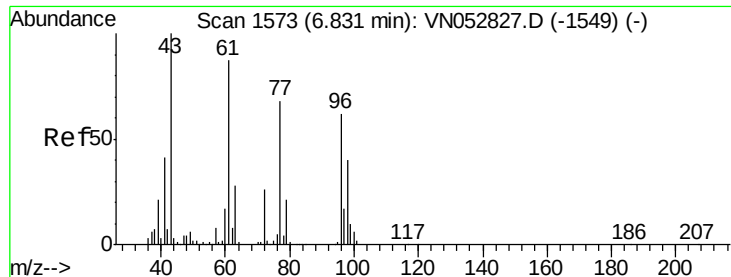
Tot Ion: 43 Resp: 234035
 Ion Ratio Lower Upper
 43 100
 72 26.6 21.0 31.6



#26
 2,2-Dichloropropane
 Concen: 18.358 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion: 77 Resp: 171228
 Ion Ratio Lower Upper
 77 100
 97 23.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 18.346 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

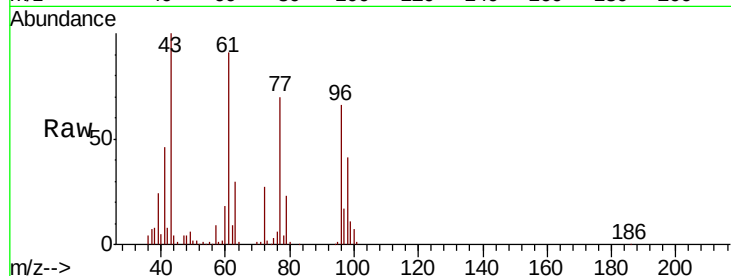
Tot Ion: 96 Resp: 142190

Ion Ratio Lower Upper

96 100

61 144.1 0.0 284.2

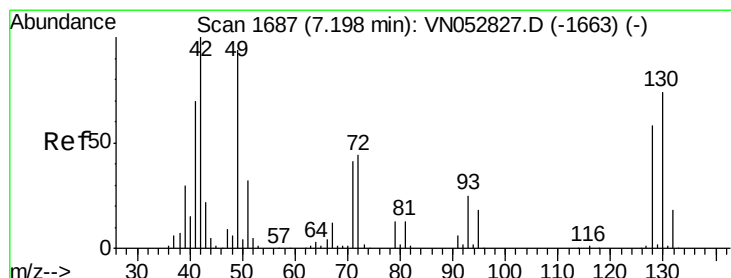
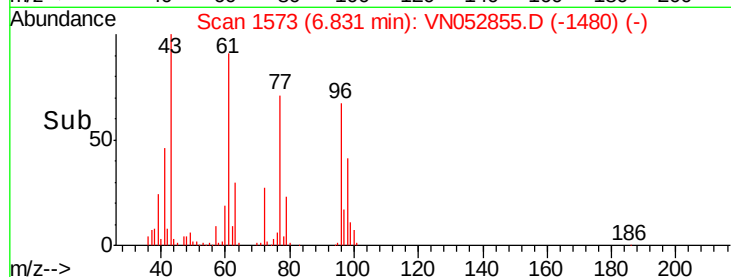
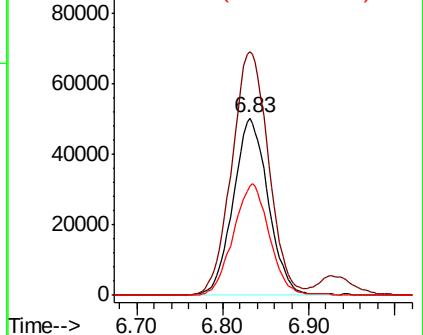
98 64.9 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 14.418 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

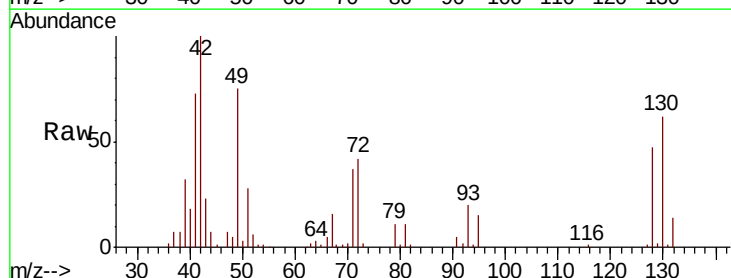
Tgt Ion: 49 Resp: 82003

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.0

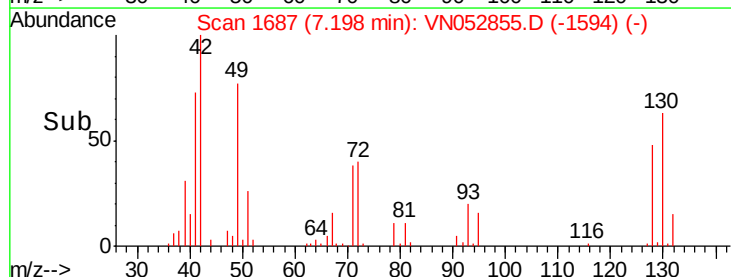
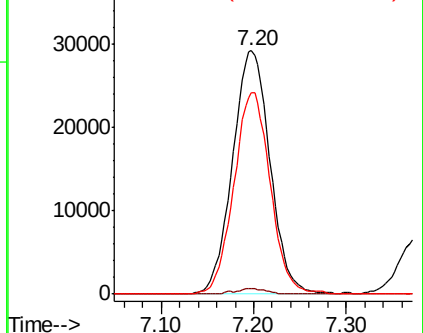
130 80.2 63.3 94.9

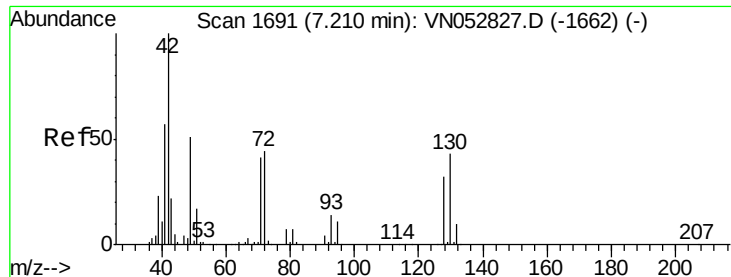


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

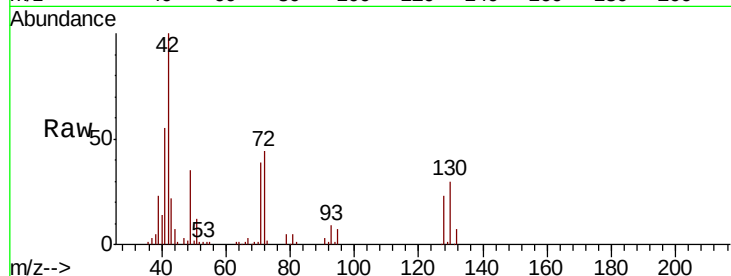




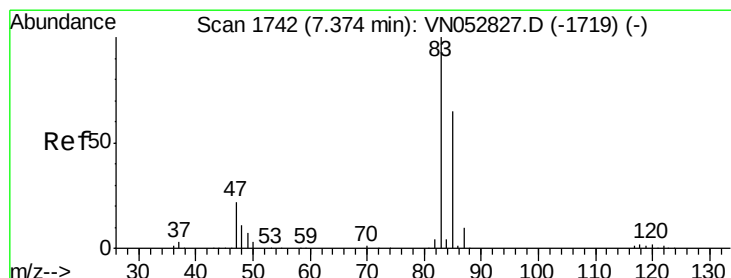
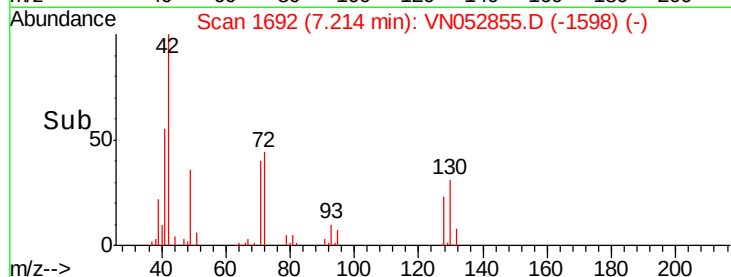
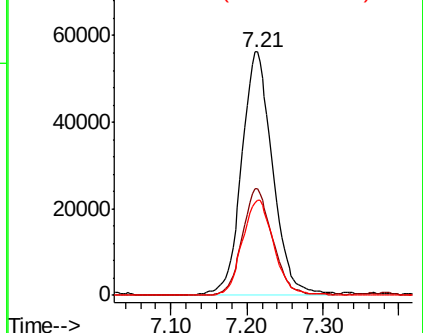
#29
Tetrahydrofuran
Concen: 92.293 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion: 42 Resp: 160061
Ion Ratio Lower Upper
42 100
72 42.5 34.7 52.1
71 39.5 32.3 48.5

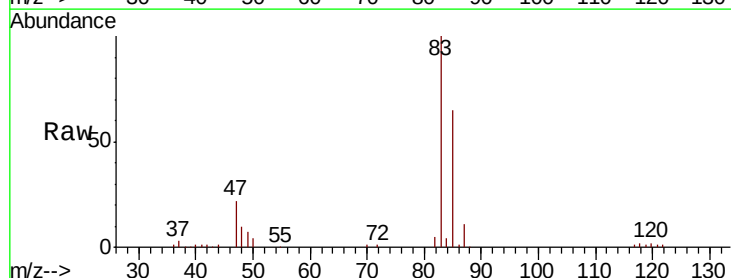


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

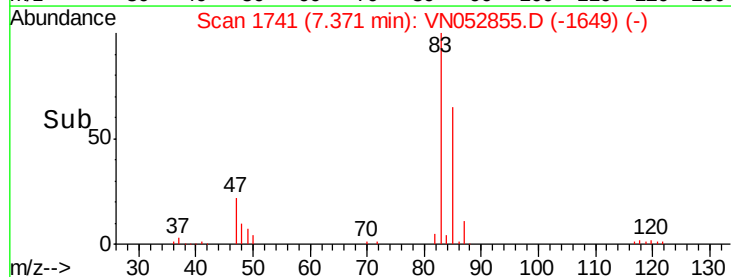
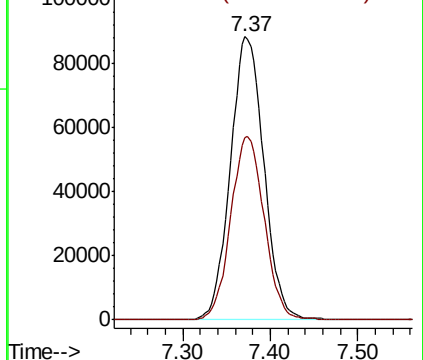


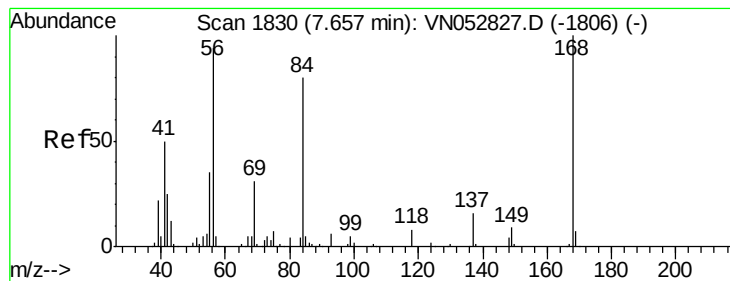
#30
Chloroform
Concen: 18.982 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion: 83 Resp: 234450
Ion Ratio Lower Upper
83 100
85 64.6 52.1 78.1



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





#31

Cyclohexane

Concen: 17.835 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

VN1213MBS01

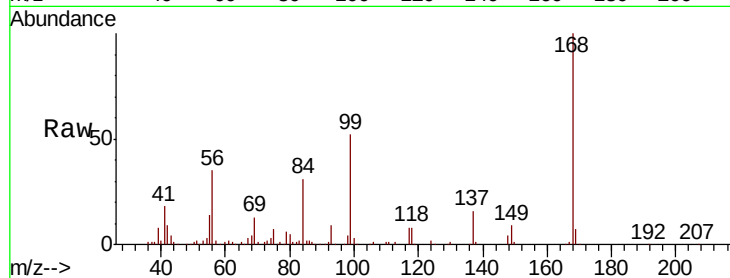
Tot Ion: 56 Resp: 224925

Ion Ratio Lower Upper

56 100

69 37.3 26.6 39.8

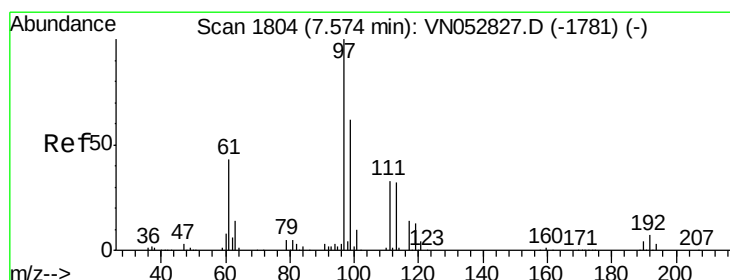
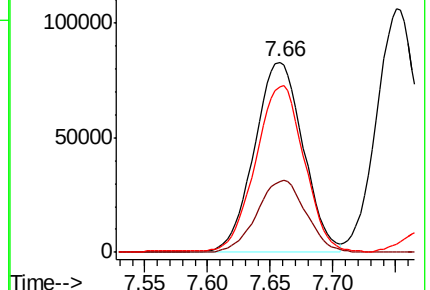
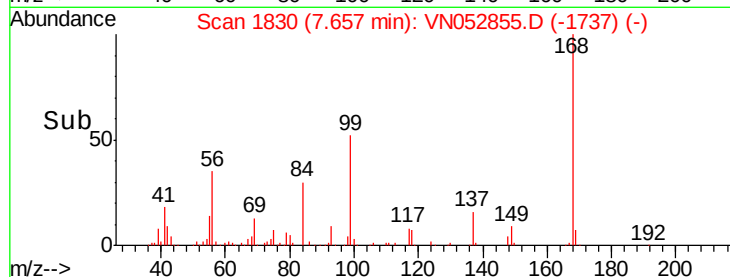
84 86.1 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.564 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

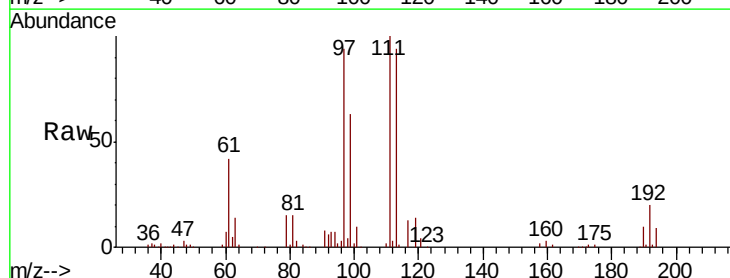
Tgt Ion: 97 Resp: 191835

Ion Ratio Lower Upper

97 100

99 64.9 51.1 76.7

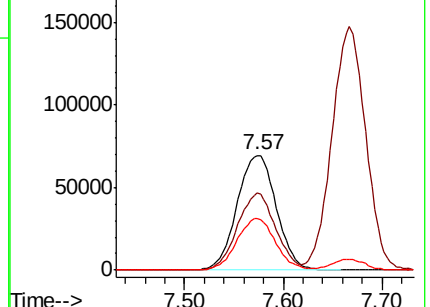
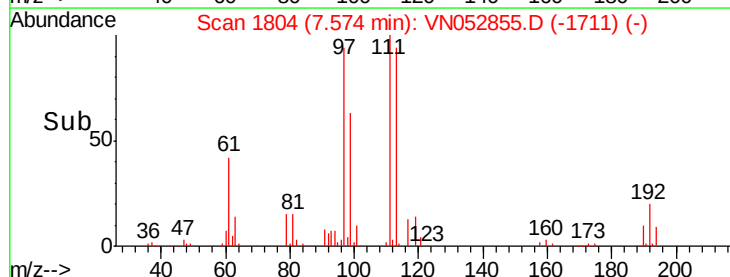
61 43.9 35.0 52.6

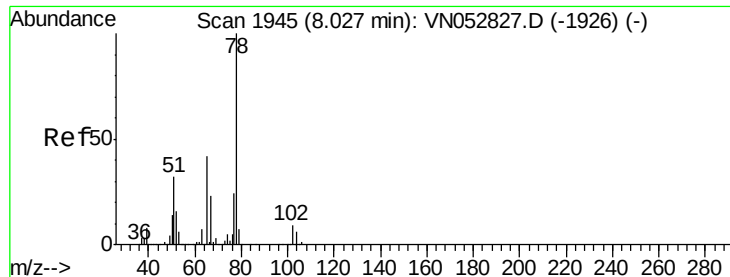


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

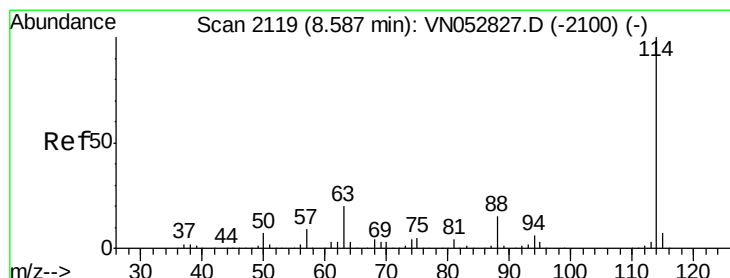
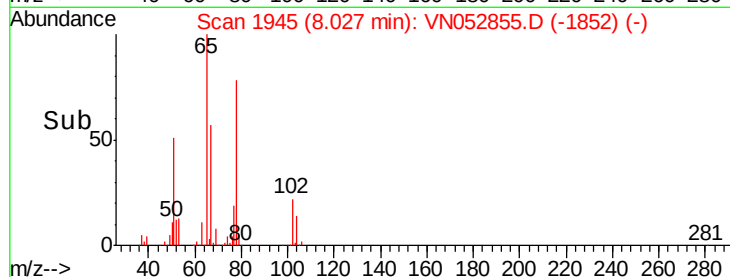
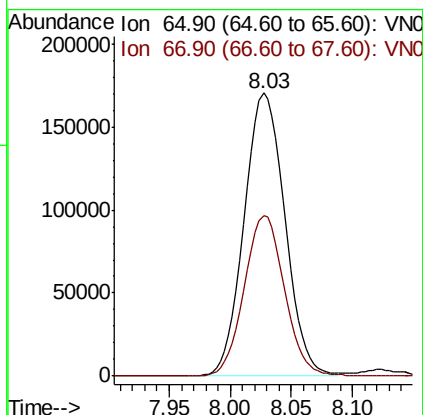
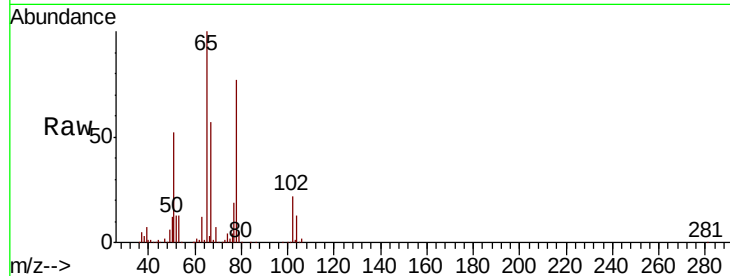




#33
 1,2-Dichloroethane-d4
 Concen: 18.564 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

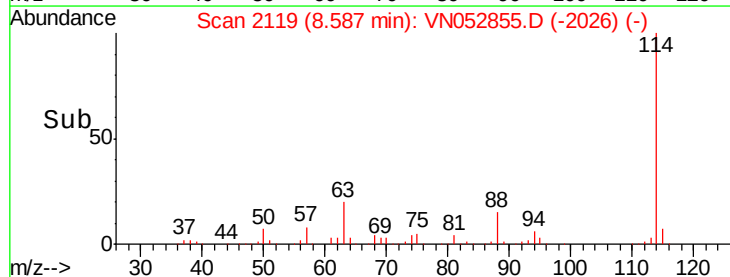
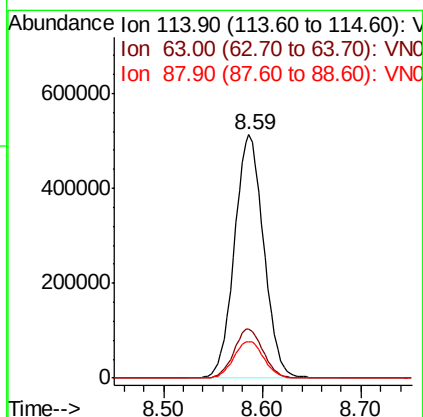
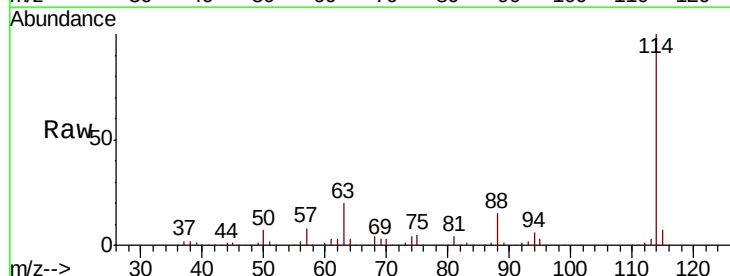
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

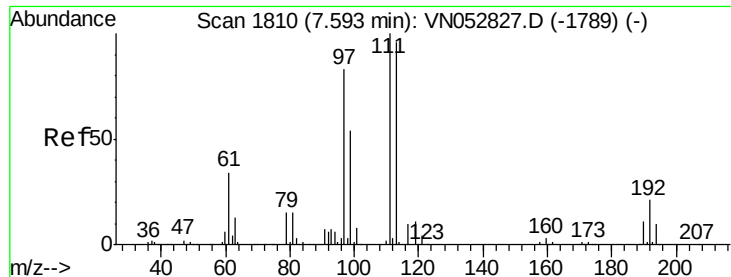
Tot Ion: 65 Resp: 395132
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion: 114 Resp: 1053170
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 15.0 0.0 31.0

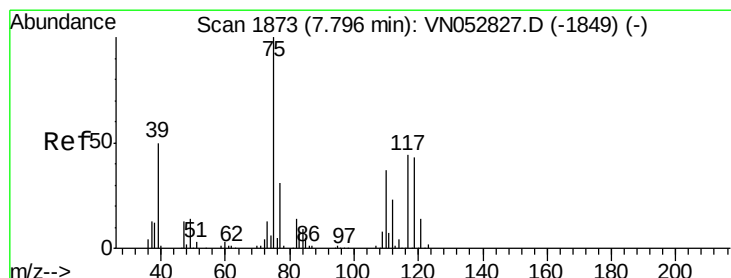
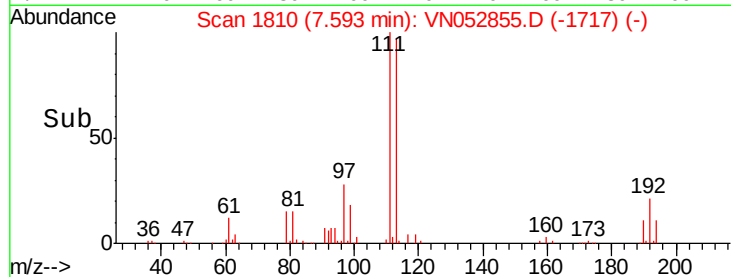
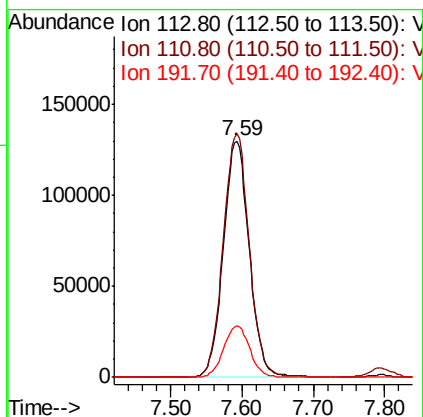
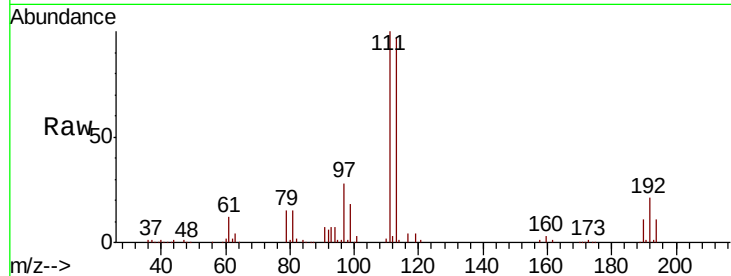




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

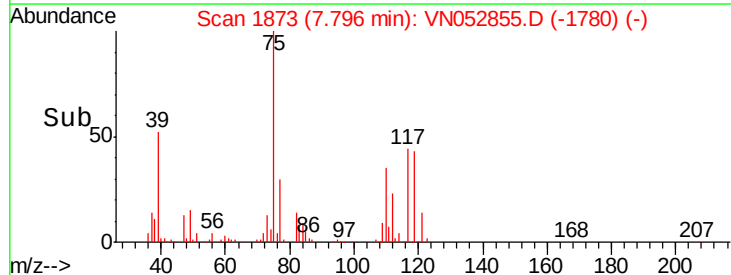
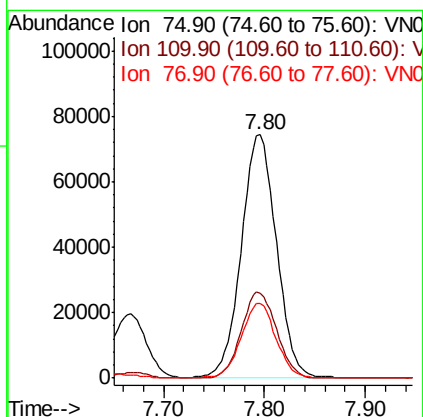
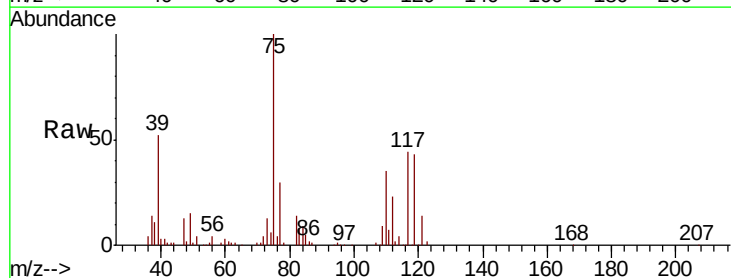
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

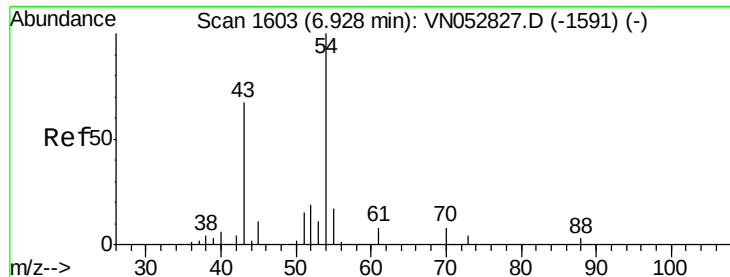
Tot Ion:113 Resp: 328684
 Ion Ratio Lower Upper
 113 100
 111 103.5 83.0 124.4
 192 22.1 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 18.413 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion: 75 Resp: 178577
 Ion Ratio Lower Upper
 75 100
 110 35.5 18.2 54.6
 77 30.7 24.9 37.3

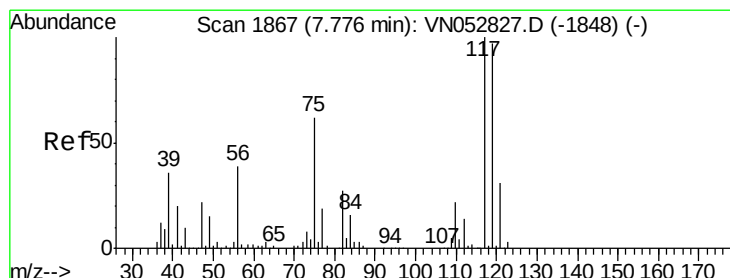
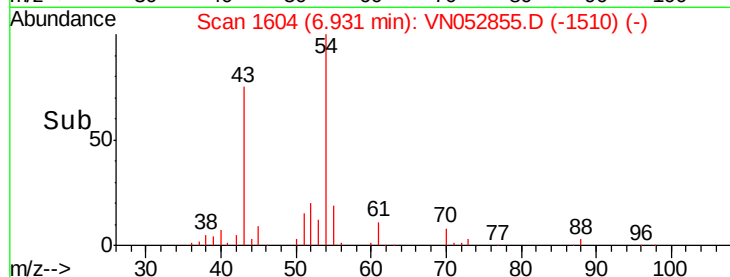
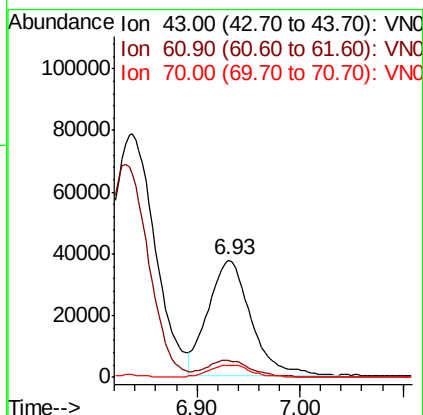
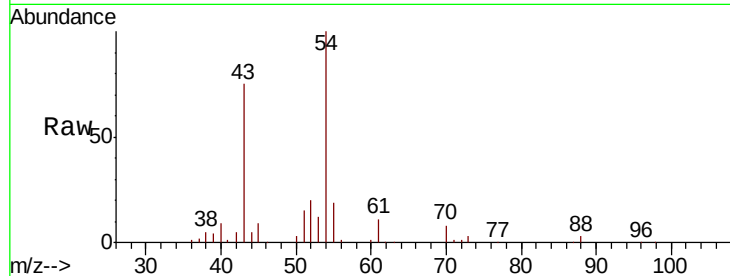




#37
Ethyl Acetate
Concen: 18.653 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

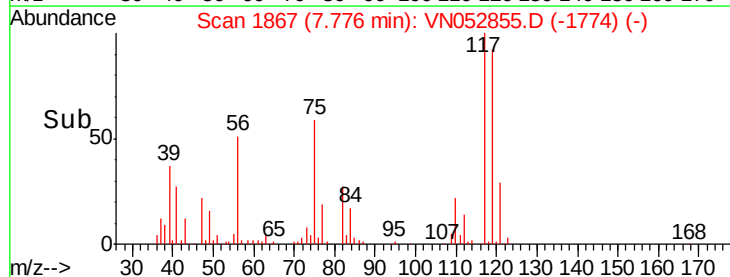
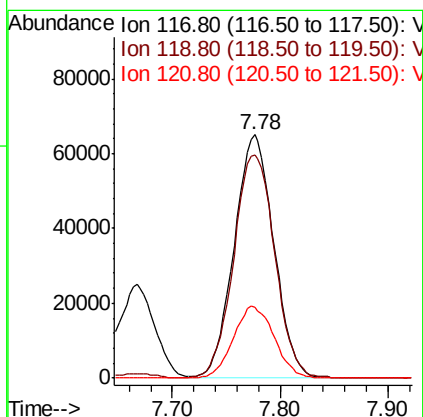
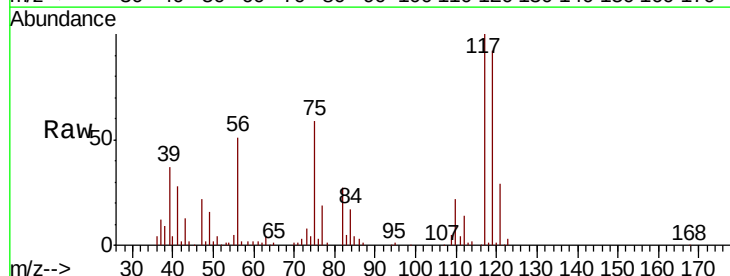
Instrument :
MSVOA_N
ClientSampled :
VN1213MBS01

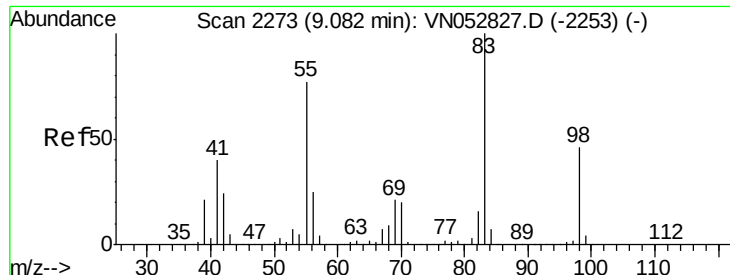
Tot Ion: 43 Resp: 108673
Ion Ratio Lower Upper
43 100
61 14.3 11.8 17.6
70 10.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.499 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion: 117 Resp: 165135
Ion Ratio Lower Upper
117 100
119 91.9 77.1 115.7
121 29.2 24.9 37.3

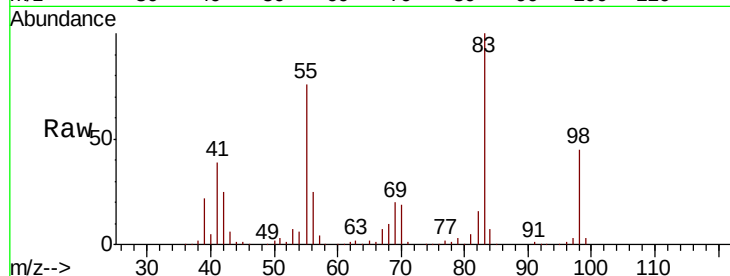




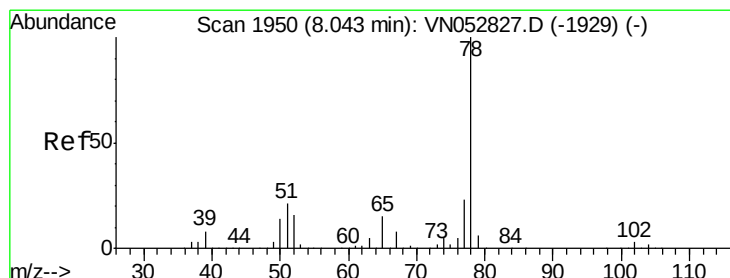
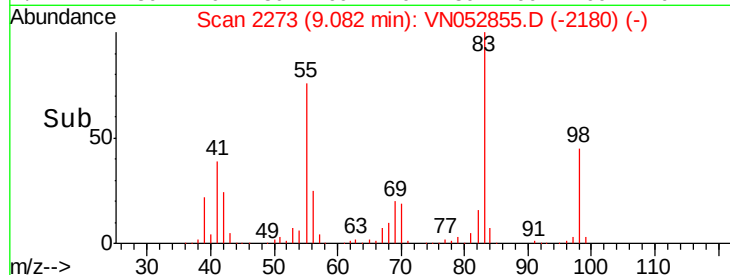
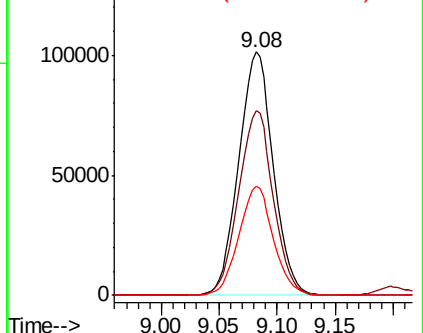
#39
Methylvlcyclohexane
Concen: 17.641 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

Tot Ion: 83 Resp: 209952
Ion Ratio Lower Upper
83 100
55 75.7 61.3 91.9
98 44.8 37.0 55.4

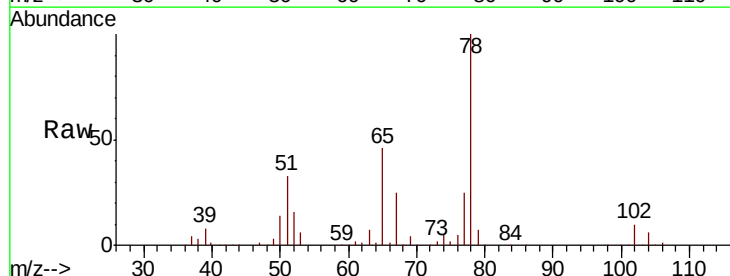


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

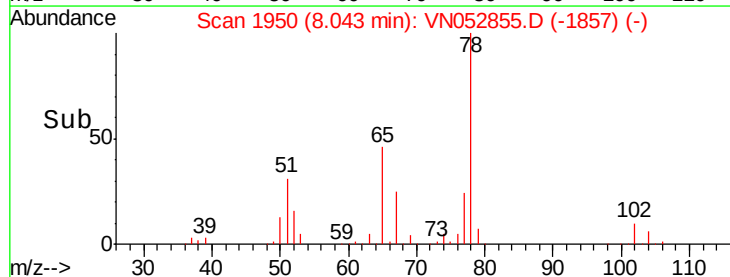
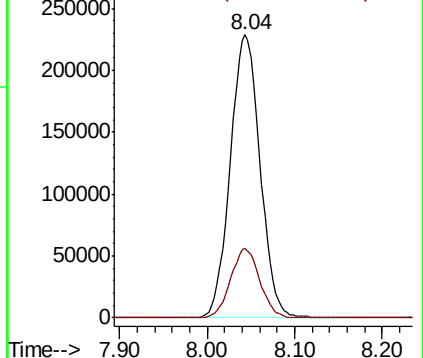


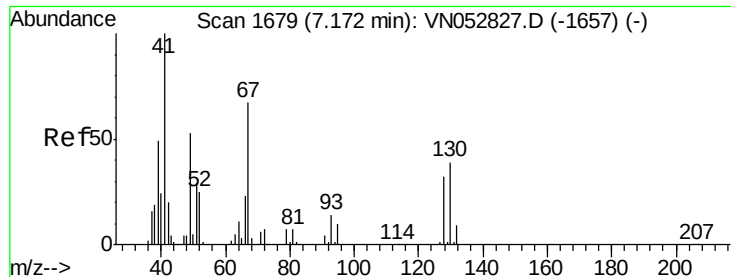
#40
Benzene
Concen: 18.558 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion: 78 Resp: 540188
Ion Ratio Lower Upper
78 100
77 24.6 18.5 27.7



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

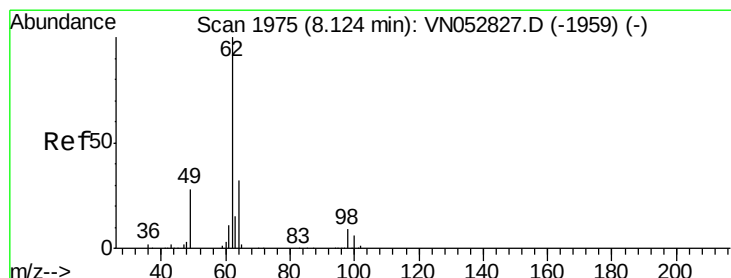
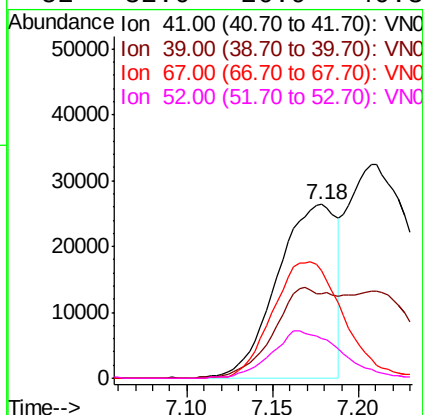
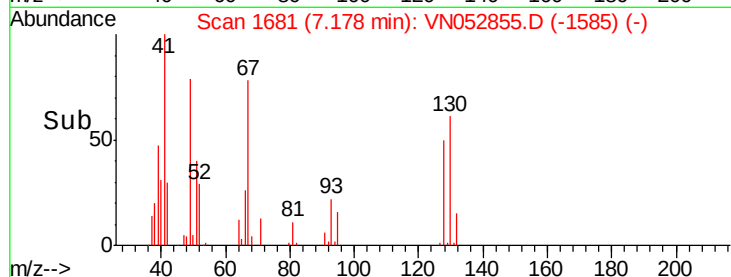
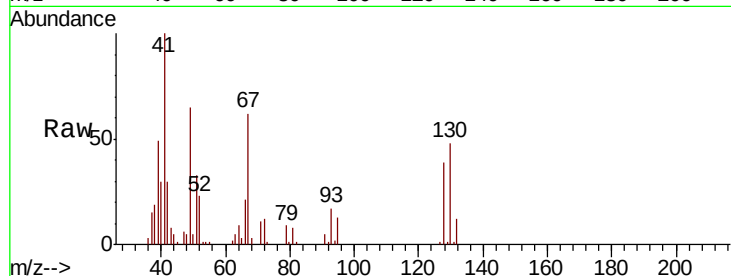




#41
Methacrylonitrile
Concen: 19.636 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

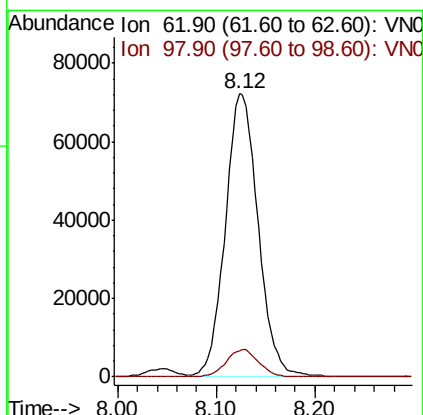
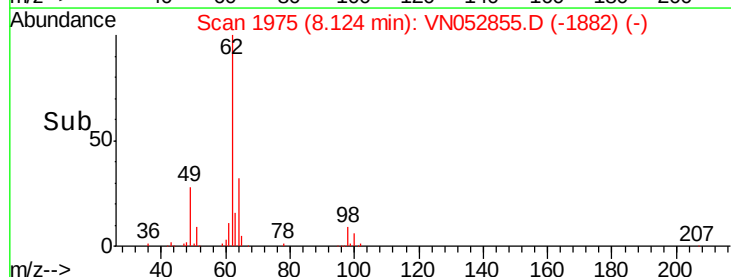
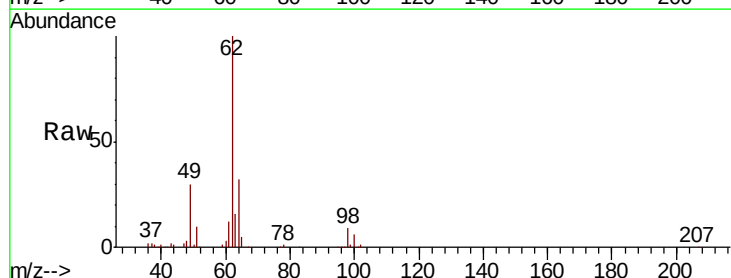
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

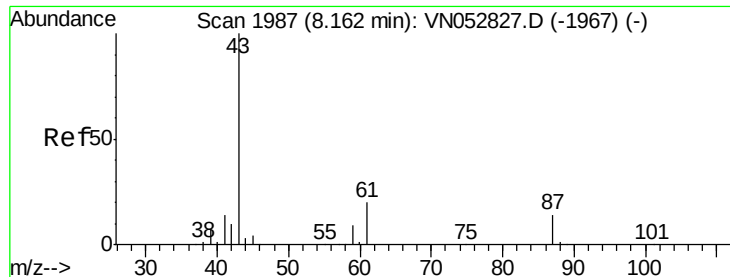
Tot Ion: 41 Resp: 63387
Ion Ratio Lower Upper
41 100
39 52.7 48.0 72.0
67 79.7 70.3 105.5
52 32.0 26.9 40.3



#42
1,2-Dichloroethane
Concen: 18.942 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion: 62 Resp: 165989
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.0





#43

Isopropyl Acetate

Concen: 16.863 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

VN1213MBS01

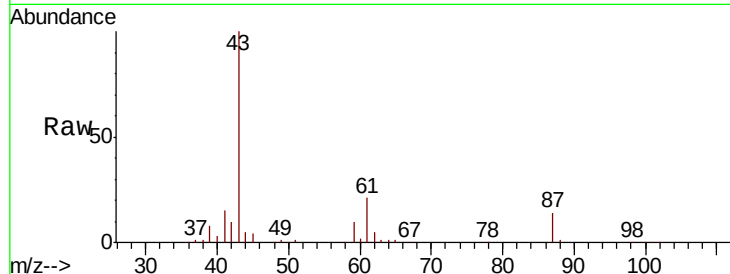
Tot Ion: 43 Resp: 201434

Ion Ratio Lower Upper

43 100

61 27.7 22.9 34.3

87 12.5 10.6 15.8

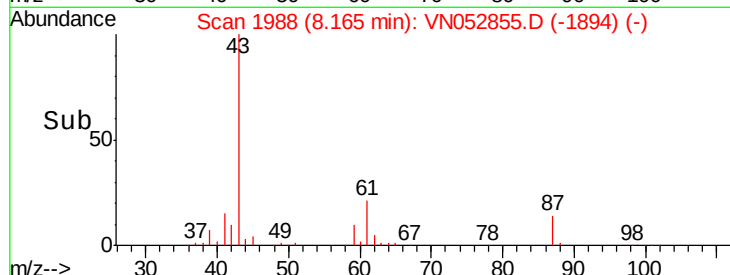


Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-1967) (-)

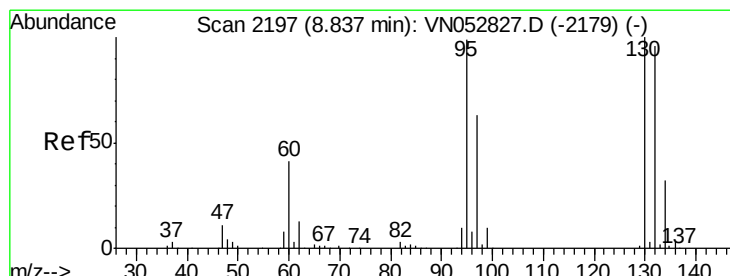
Ion 61.00 (60.70 to 61.70): VN052827.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN052827.D (-1967) (-)

8.17



Time-->



#44

Trichloroethene

Concen: 18.465 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052855.D

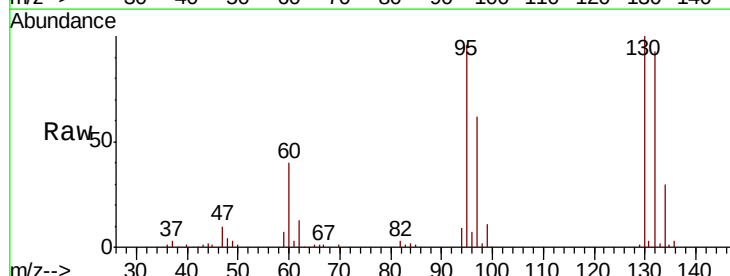
Acq: 13 Dec 2018 11:07

Tgt Ion:130 Resp: 145176

Ion Ratio Lower Upper

130 100

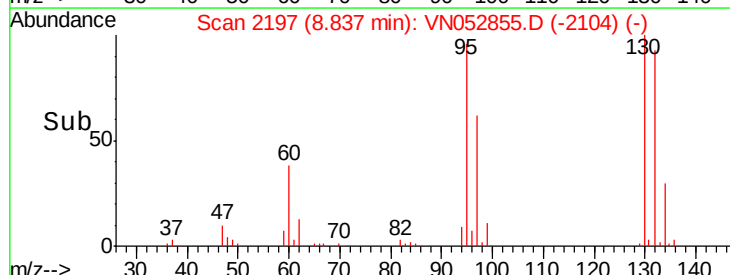
95 96.0 0.0 197.8



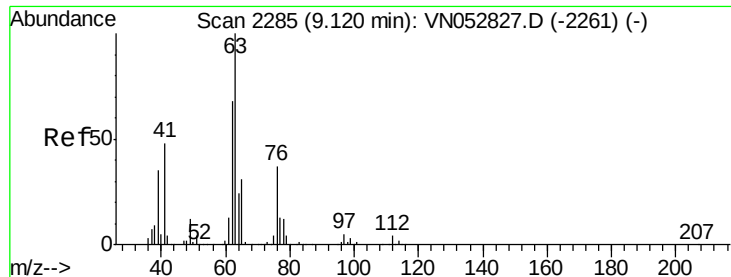
Abundance Ion 129.80 (129.50 to 130.50): VN052827.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052827.D (-2179) (-)

8.84



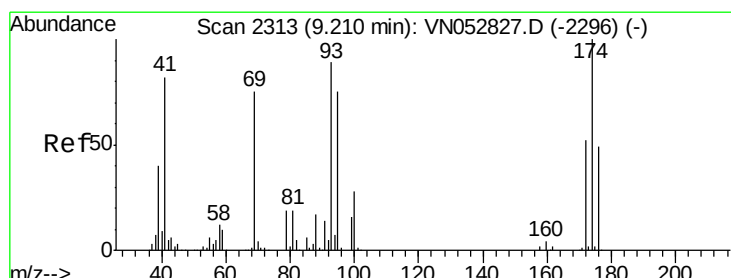
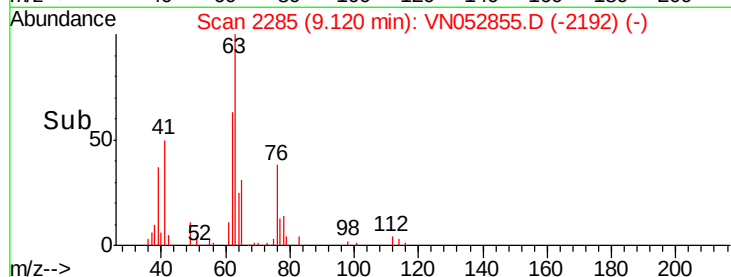
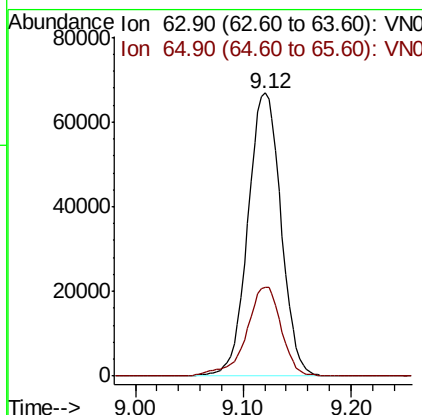
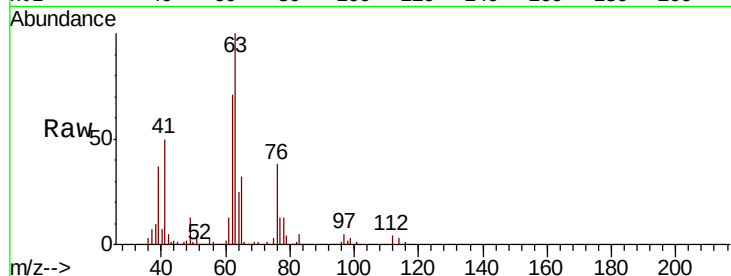
Time-->



#45
 1,2-Dichloropropane
 Concen: 18.670 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

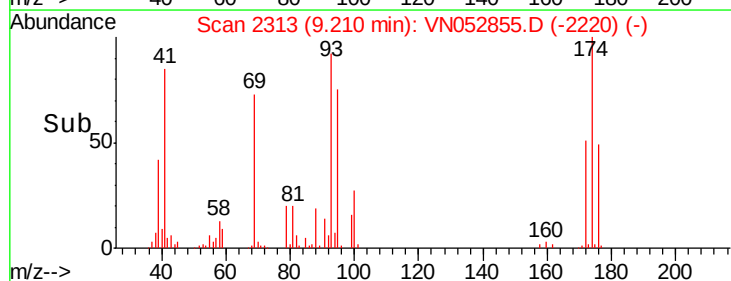
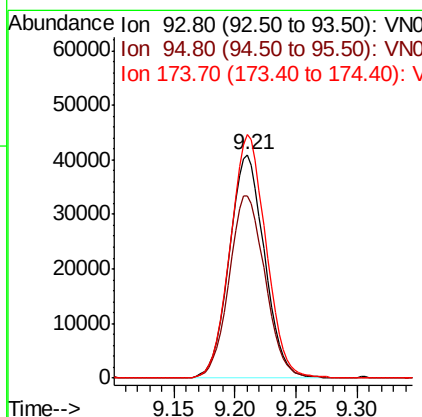
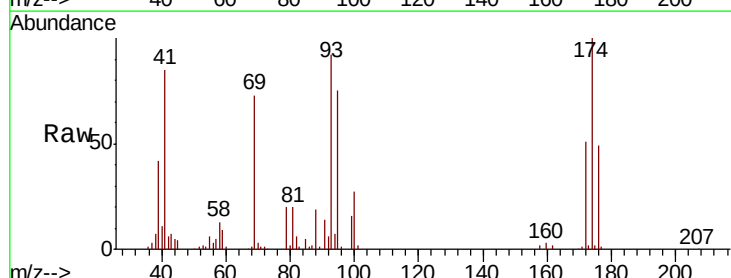
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

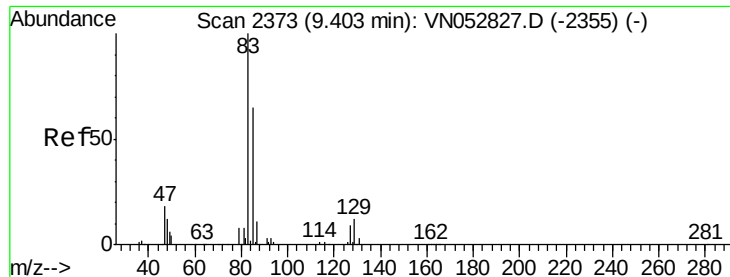
Tot Ion: 63 Resp: 142344
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.6 37.0



#46
 Dibromomethane
 Concen: 18.570 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion: 93 Resp: 82108
 Ion Ratio Lower Upper
 93 100
 95 83.7 67.8 101.6
 174 110.5 89.0 133.4





#47

Bromodichloromethane

Concen: 18.855 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

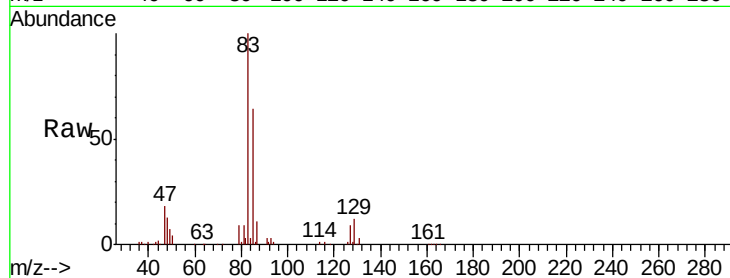
Tot Ion: 83 Resp: 172885

Ion Ratio Lower Upper

83 100

85 63.8 51.6 77.4

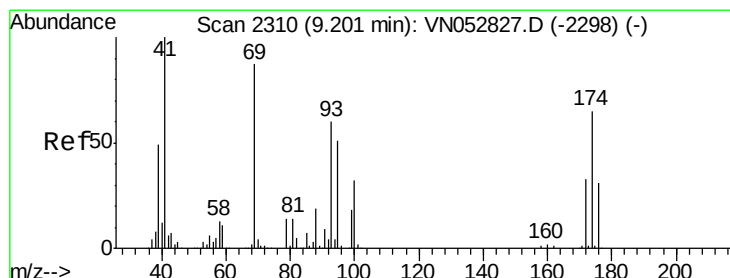
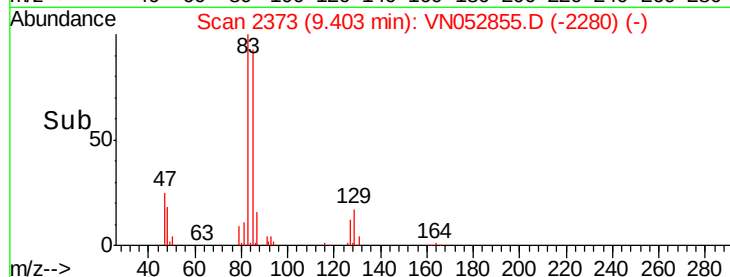
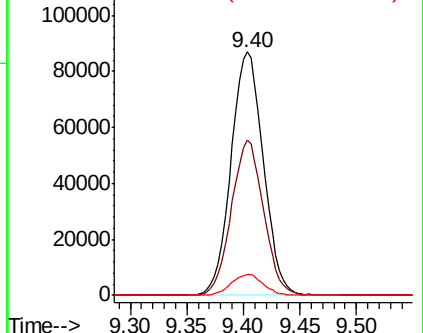
127 8.6 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN052827.D (-2355) (-)

Ion 84.90 (84.60 to 85.60): VN052827.D (-2355) (-)

Ion 126.80 (126.50 to 127.50): VN052827.D (-2355) (-)



#48

Methyl methacrylate

Concen: 18.585 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

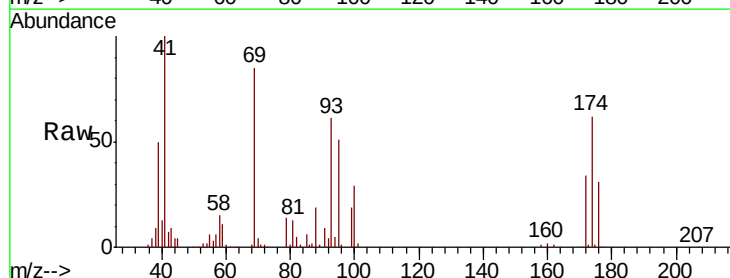
Tgt Ion: 41 Resp: 97356

Ion Ratio Lower Upper

41 100

69 89.4 72.2 108.2

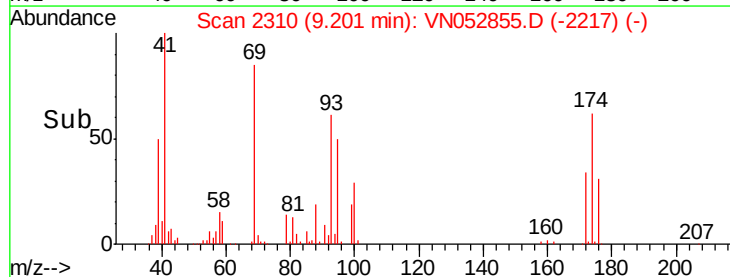
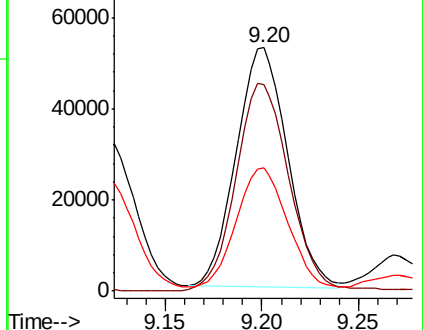
39 52.7 41.9 62.9

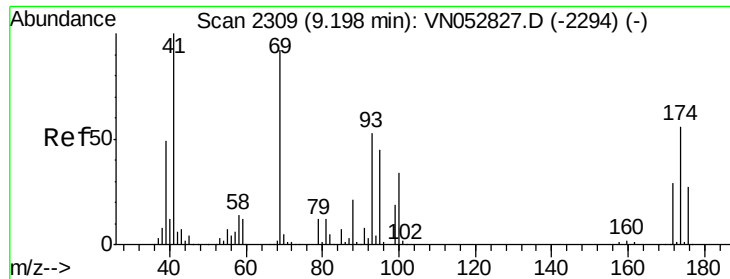


Abundance Ion 41.00 (40.70 to 41.70): VN052827.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN052827.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN052827.D (-2298) (-)

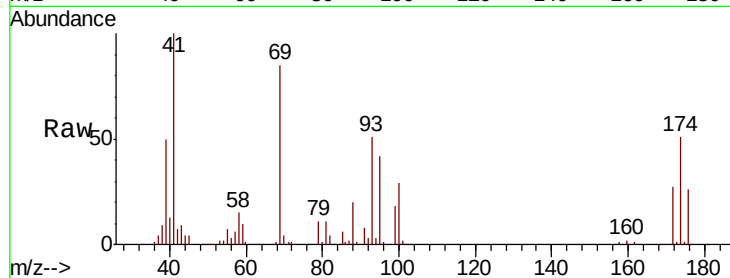




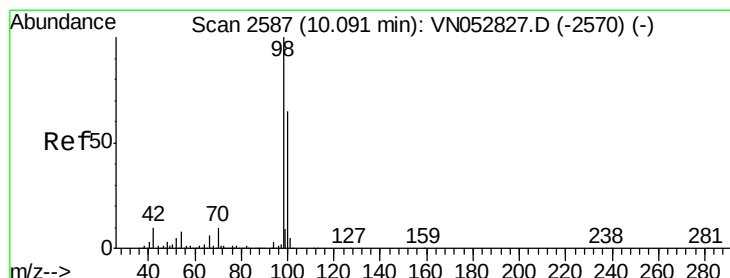
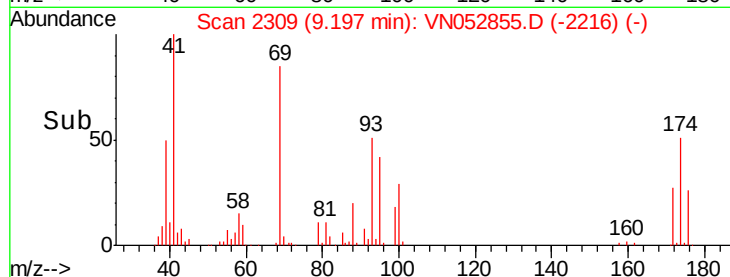
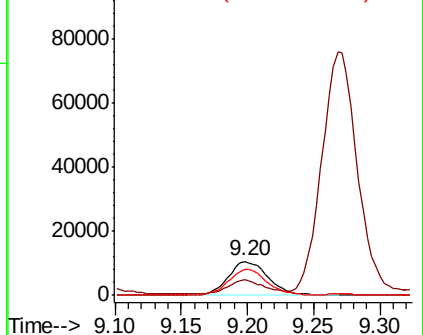
#49
 1,4-Dioxane
 Concen: 374.329 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Instrument :
 MSVOA_N
 ClientSampled :
 VN1213MBS01

Tot Ion: 88 Resp: 22258
 Ion Ratio Lower Upper
 88 100
 43 36.4 26.6 40.0
 58 73.1 58.4 87.6

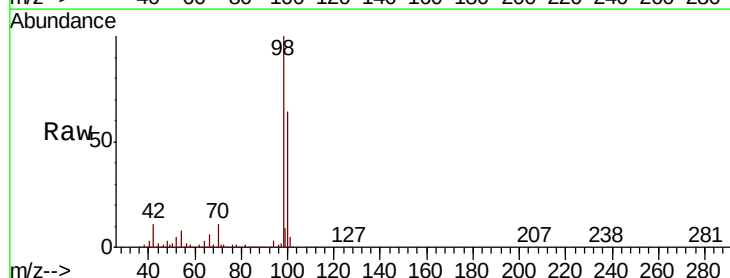


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

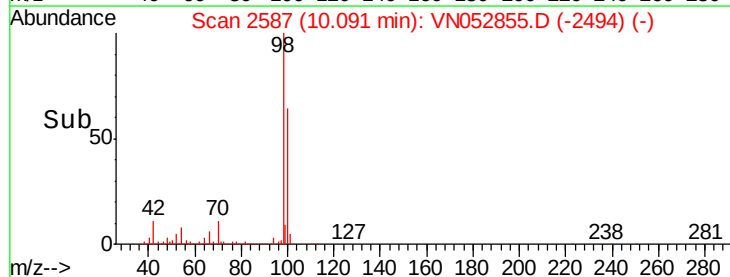
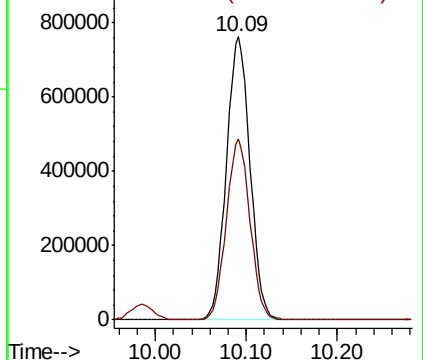


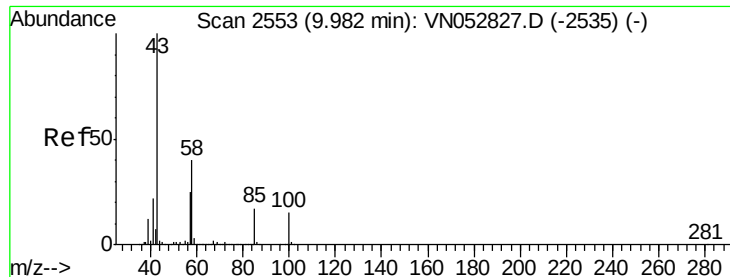
#50
 Toluene-d8
 Concen: 374.329 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion: 98 Resp: 1373274
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.6 77.4



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

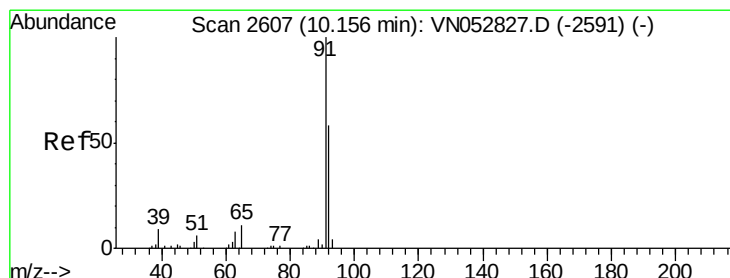
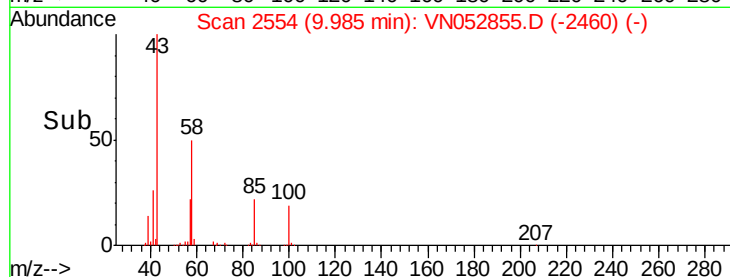
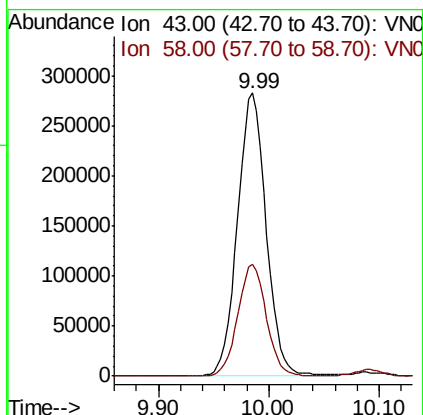
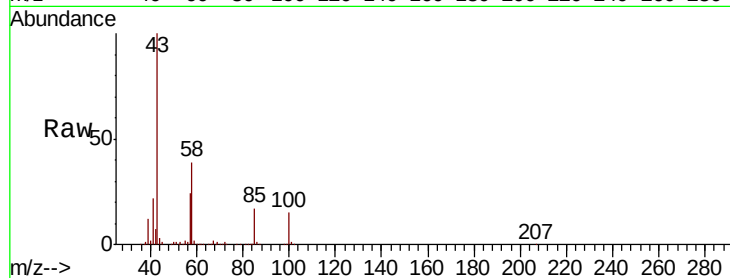




#51
4-Methyl-2-Pentanone
Concen: 92.431 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

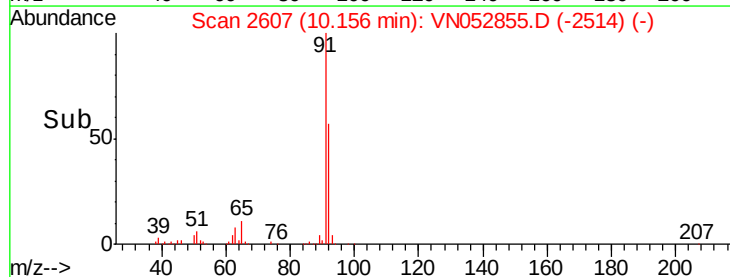
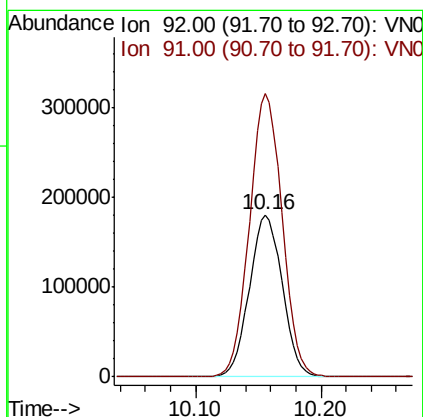
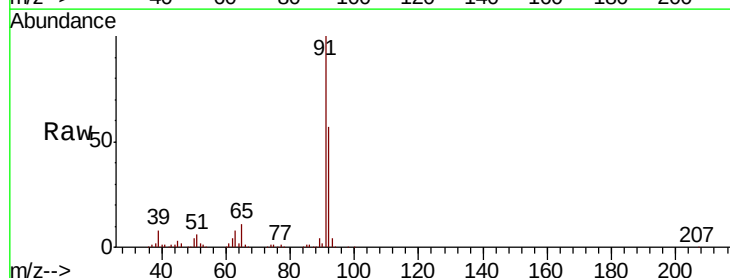
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

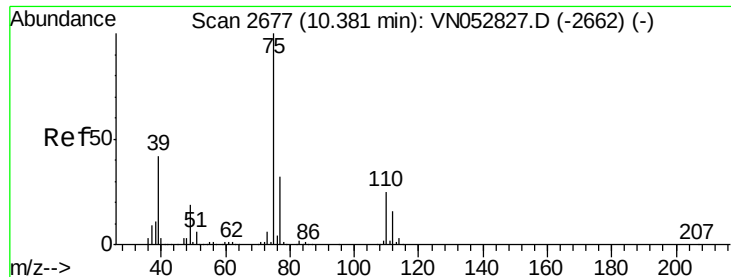
Tot Ion: 43 Resp: 506278
Ion Ratio Lower Upper
43 100
58 39.5 32.2 48.4



#52
Toluene
Concen: 18.763 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion: 92 Resp: 330792
Ion Ratio Lower Upper
92 100
91 173.5 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 17.978 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

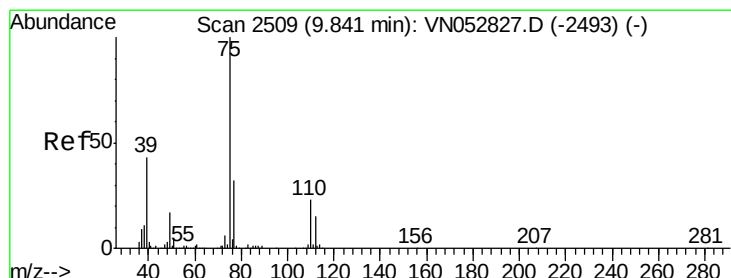
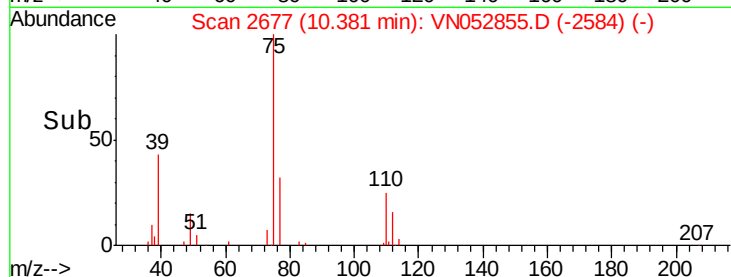
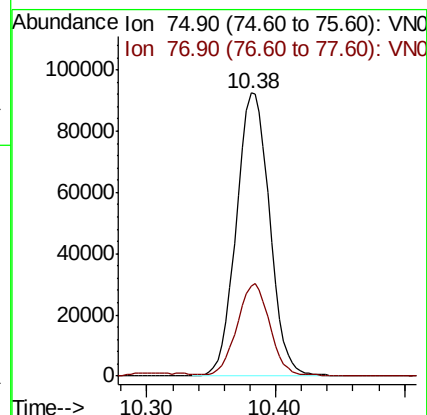
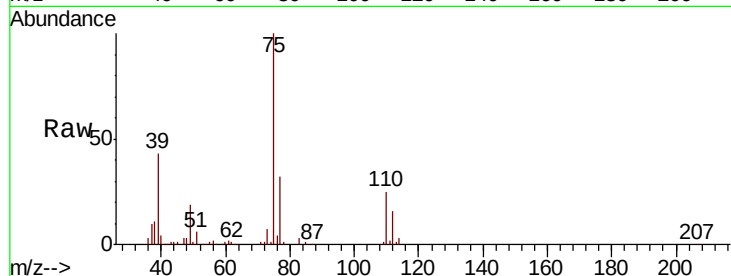
VN1213MBS01

Tot Ion: 75 Resp: 165878

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 18.062 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

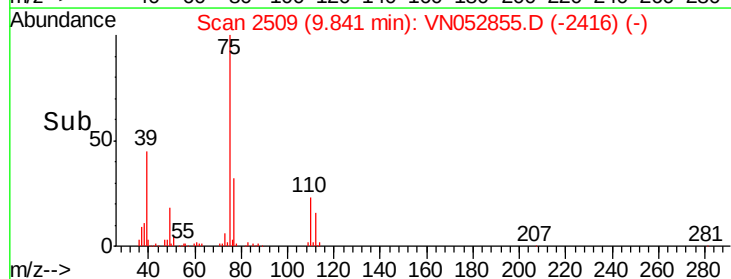
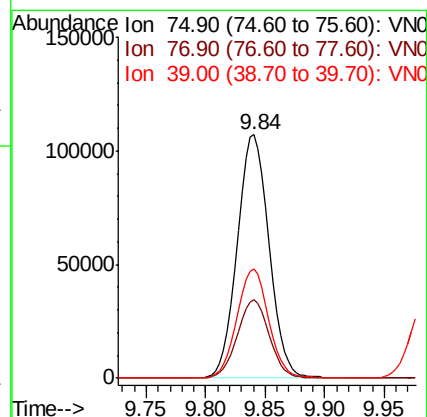
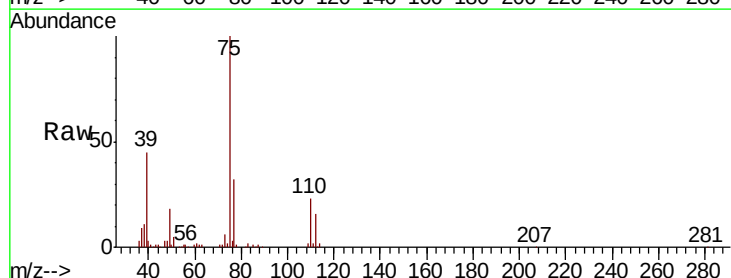
Tgt Ion: 75 Resp: 198591

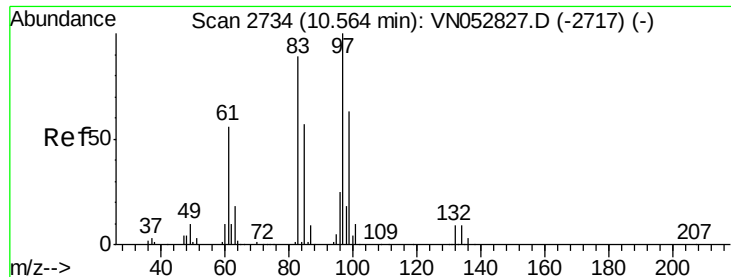
Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.8

39 44.9 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 18.687 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

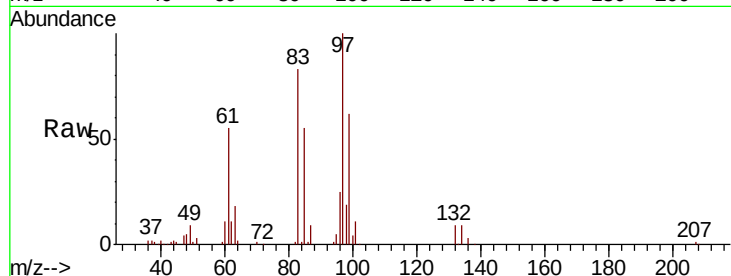
MSVOA_N

ClientSampled :

VN1213MBS01

Tot Ion: 97 Resp: 117603

Ion	Ratio	Lower	Upper
97	100		
83	83.1	70.9	106.3
85	55.0	45.4	68.2
99	62.1	50.4	75.6



Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

10.56

60000

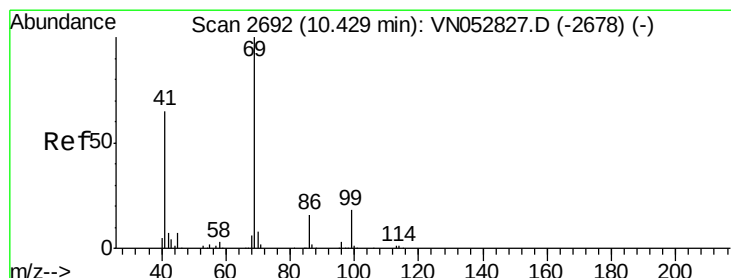
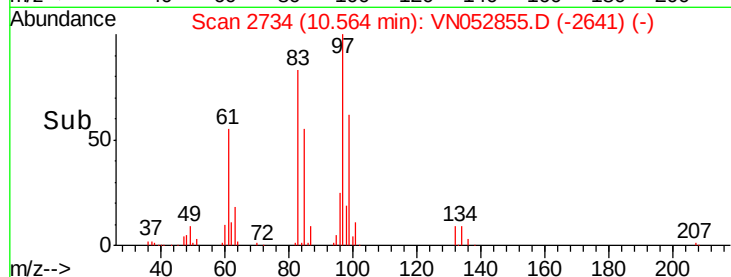
40000

20000

0

10.50 10.55 10.60

Time-->



#56

Ethyl methacrylate

Concen: 17.991 ug/l

RT: 10.43 min Scan# 2692

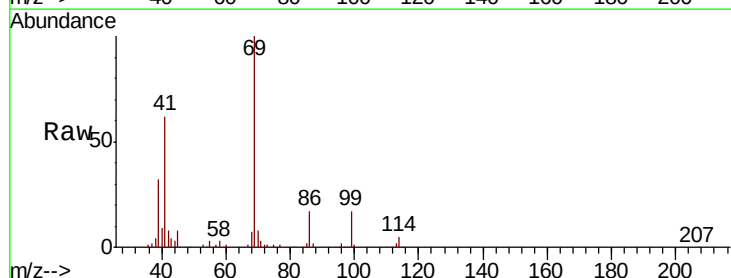
Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Tgt Ion: 69 Resp: 145306

Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.7	77.5
39	31.3	24.6	37.0



Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

10.43

80000

60000

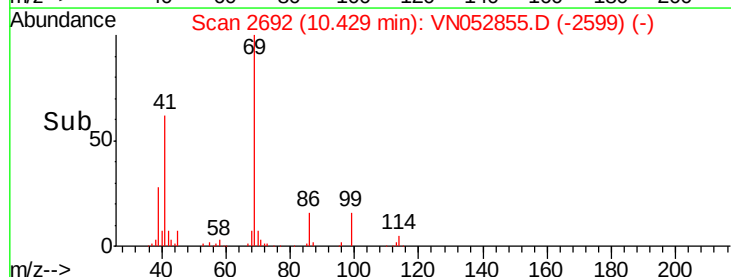
40000

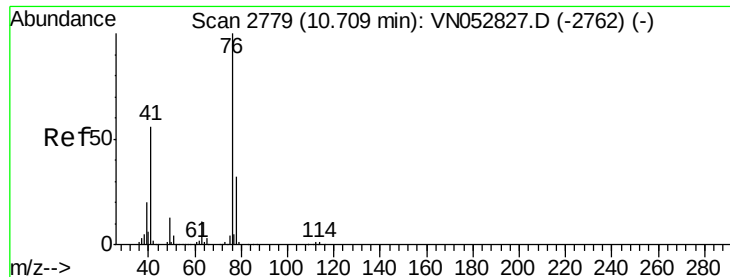
20000

0

10.40 10.45 10.50

Time-->





#57

1,3-Dichloropropane

Concen: 18.708 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

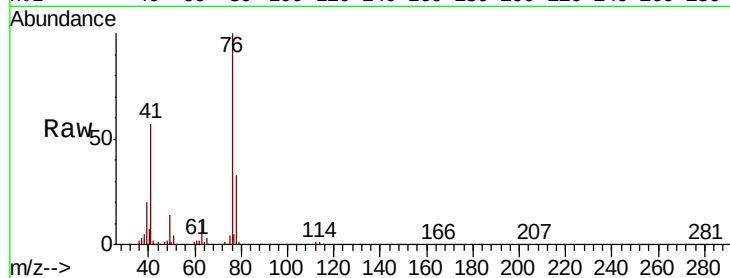
VN1213MBS01

Tot Ion: 76 Resp: 201901

Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

120000

100000

80000

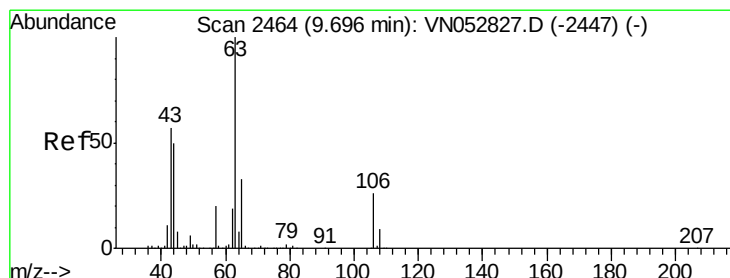
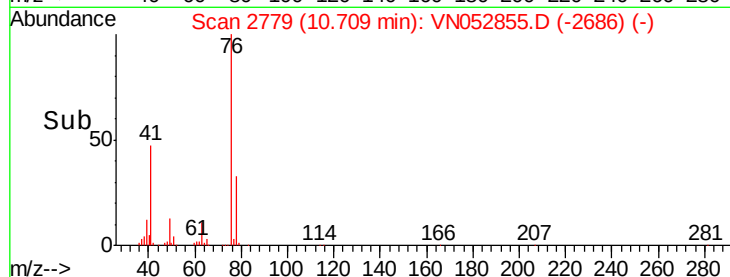
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 63.777 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052855.D

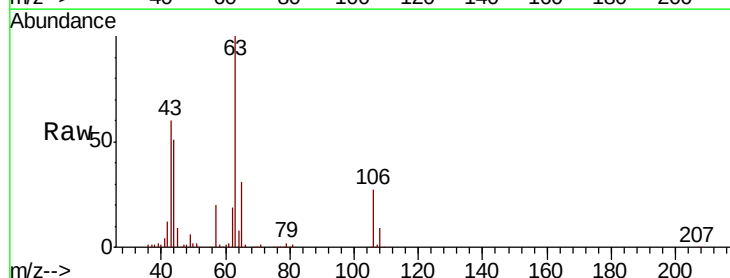
Acq: 13 Dec 2018 11:07

Tgt Ion: 63 Resp: 287408

Ion Ratio Lower Upper

63 100

106 26.7 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

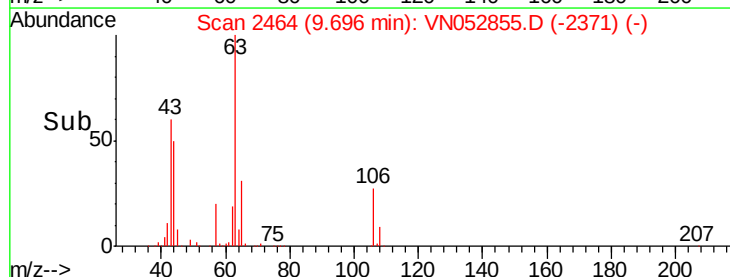
150000

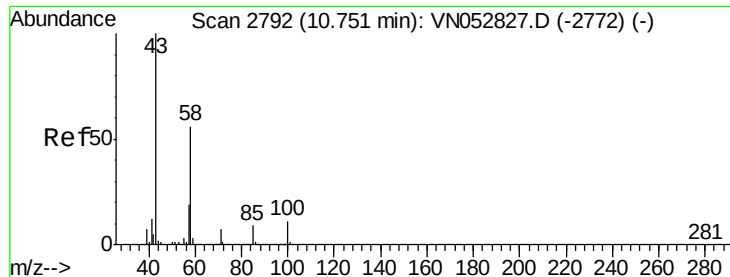
100000

50000

0

Time--> 9.60 9.70 9.80

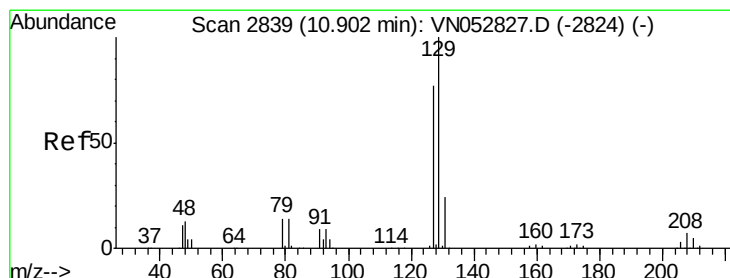
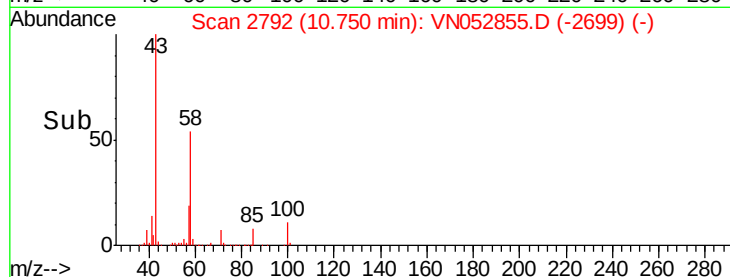
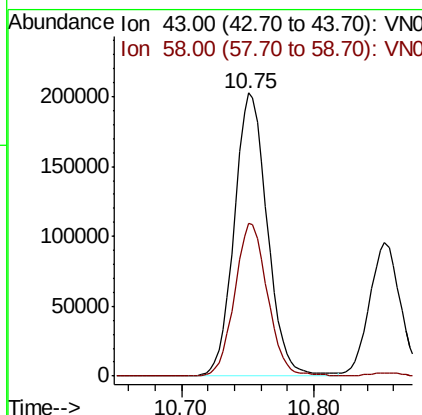
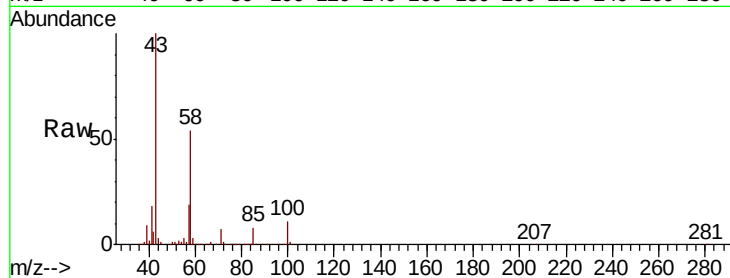




#59
2-Hexanone
Concen: 92.647 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

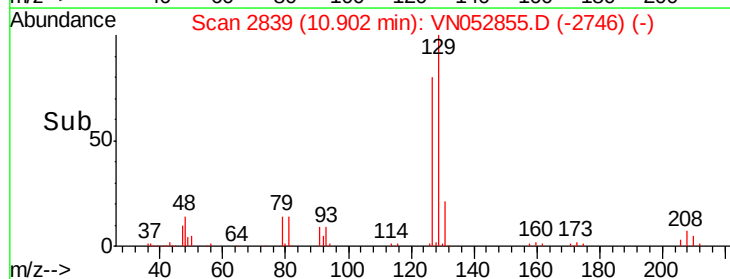
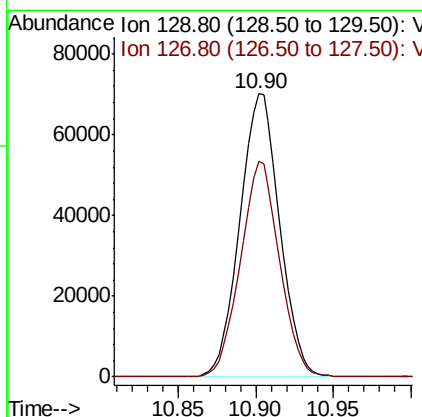
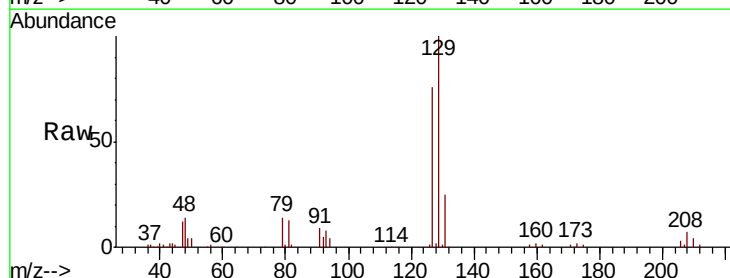
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

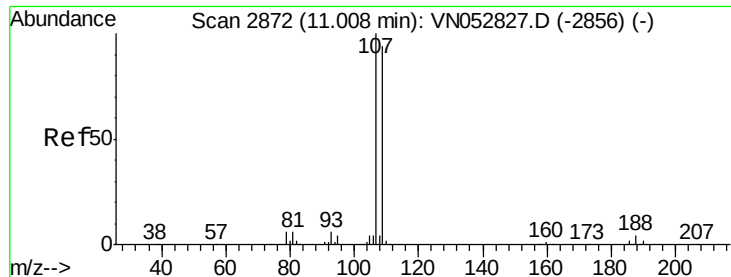
Tot Ion: 43 Resp: 347771
Ion Ratio Lower Upper
43 100
58 54.1 28.1 84.3



#60
Dibromochloromethane
Concen: 18.491 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion: 129 Resp: 125768
Ion Ratio Lower Upper
129 100
127 74.7 38.6 116.0





#61

1,2-Dibromoethane

Concen: 18.434 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

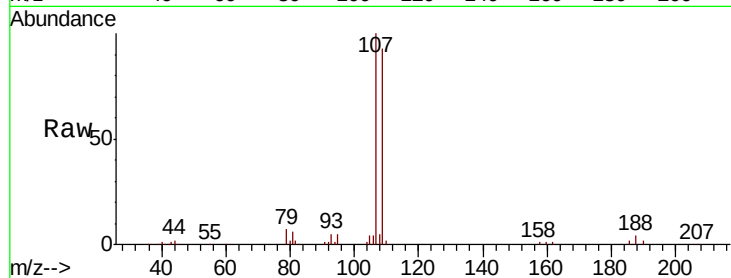
VN1213MBS01

Tot Ion:107 Resp: 114671

Ion Ratio Lower Upper

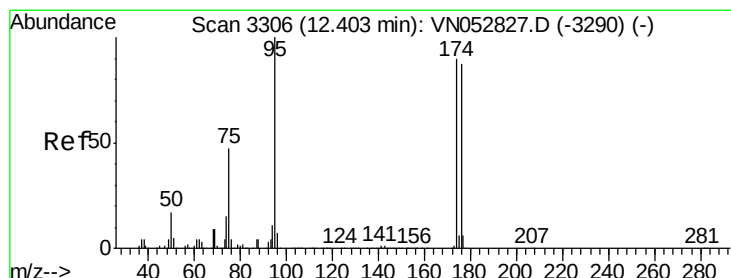
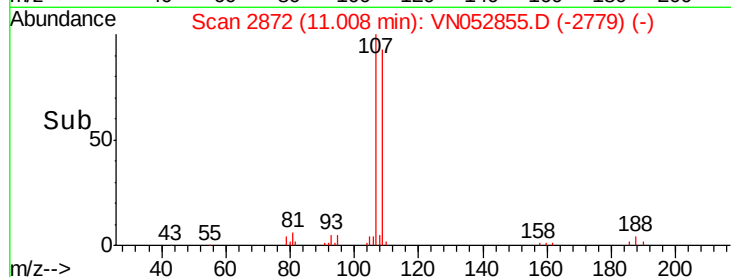
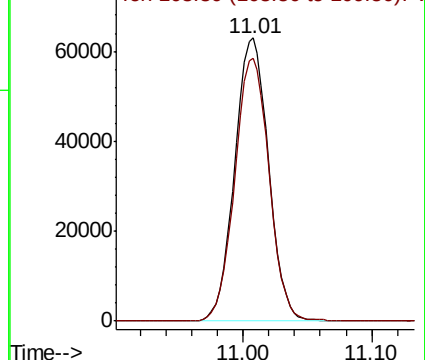
107 100

109 94.2 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.434 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

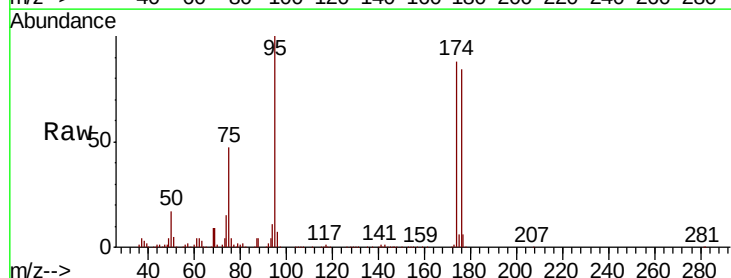
Tgt Ion: 95 Resp: 451639

Ion Ratio Lower Upper

95 100

174 88.9 0.0 178.8

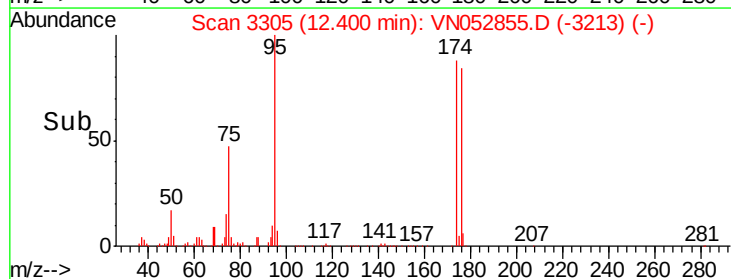
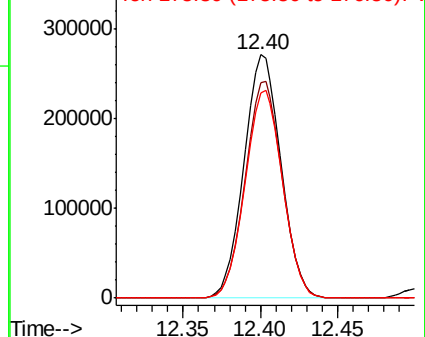
176 86.4 0.0 173.8

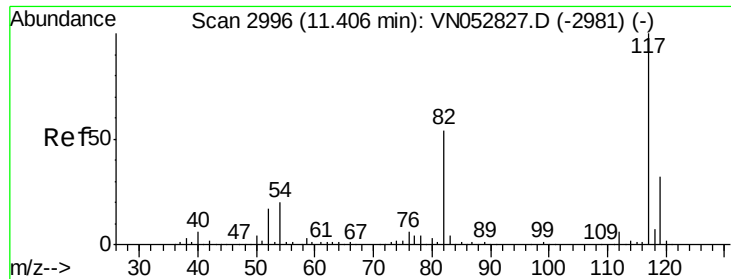


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

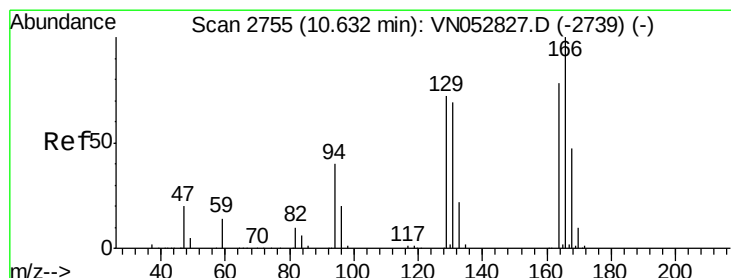
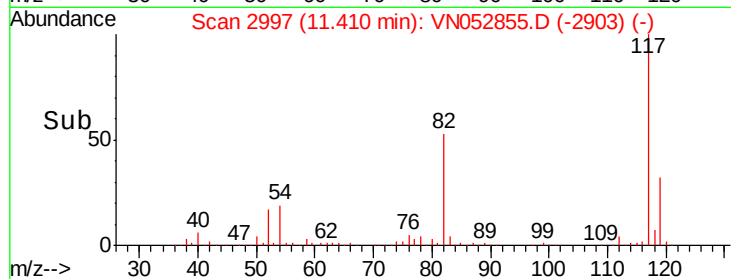
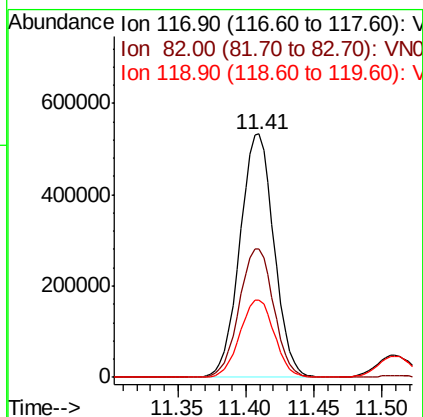
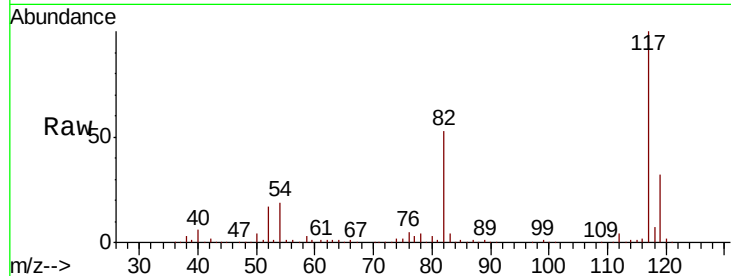




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

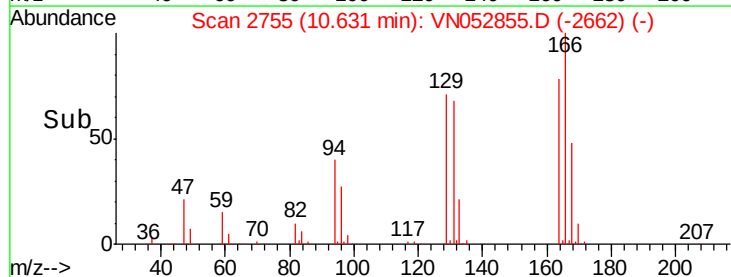
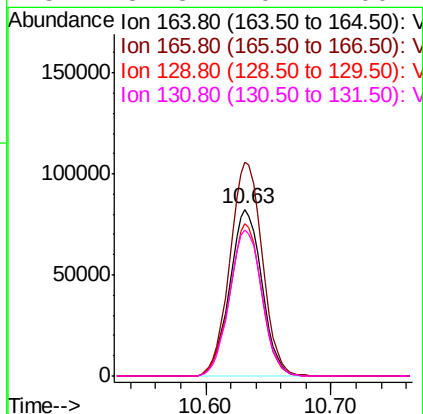
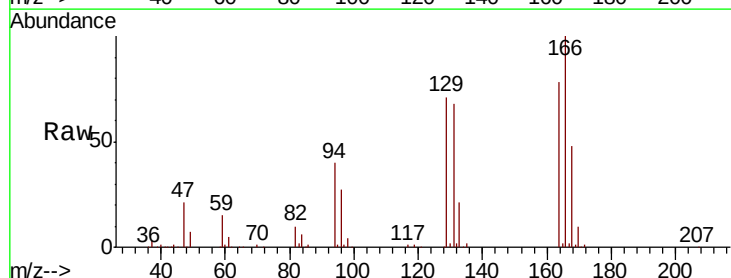
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

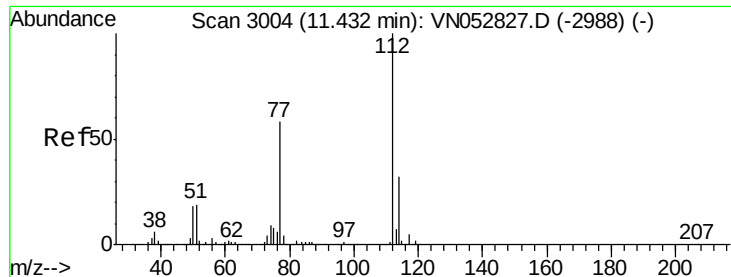
Tot Ion:117 Resp: 923709
Ion Ratio Lower Upper
117 100
82 52.8 42.8 64.2
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 18.550 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion:164 Resp: 147271
Ion Ratio Lower Upper
164 100
166 128.3 102.9 154.3
129 91.6 73.7 110.5
131 87.3 70.7 106.1

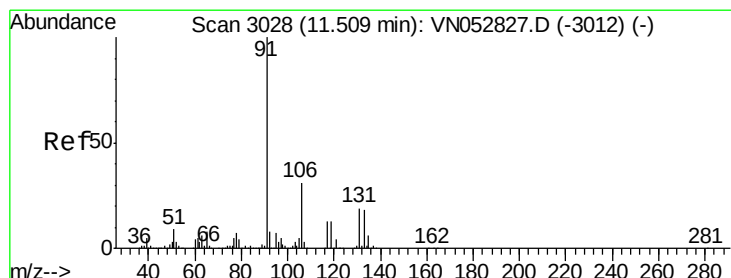
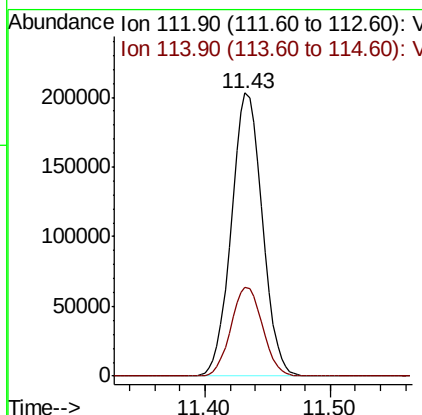
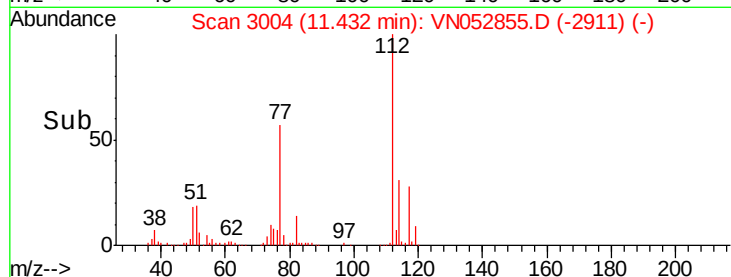
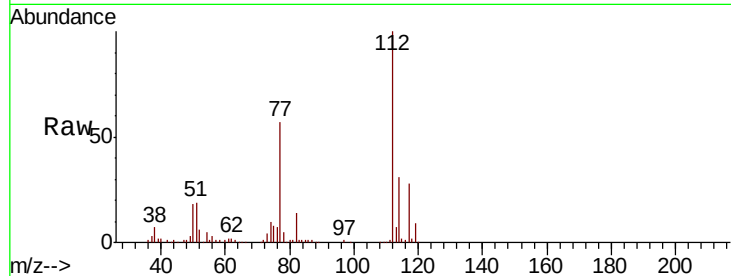




#65
Chlorobenzene
Concen: 18.199 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

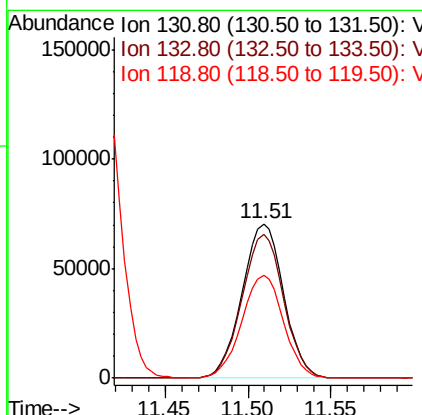
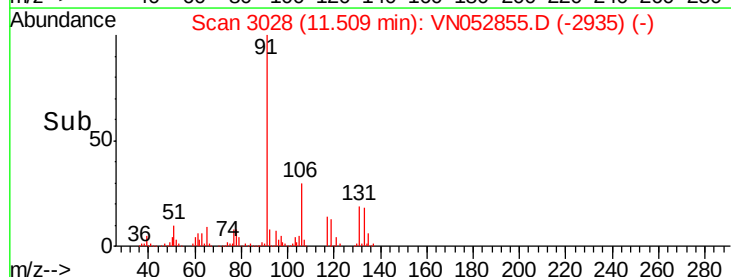
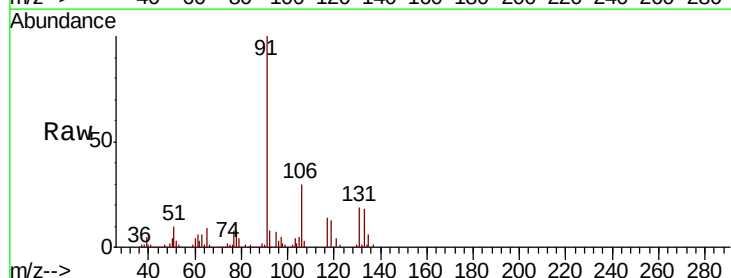
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

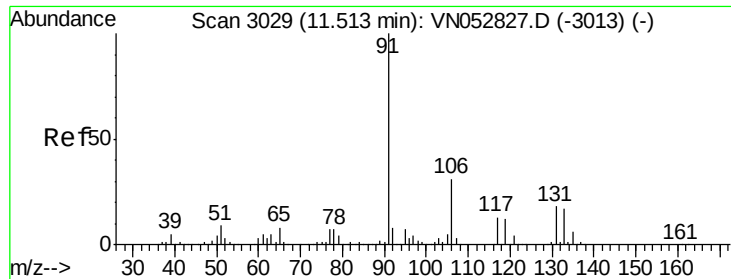
Tot Ion:112 Resp: 348766
Ion Ratio Lower Upper
112 100
114 31.4 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 18.354 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion:131 Resp: 122324
Ion Ratio Lower Upper
131 100
133 93.9 47.6 142.9
119 67.2 33.3 99.8

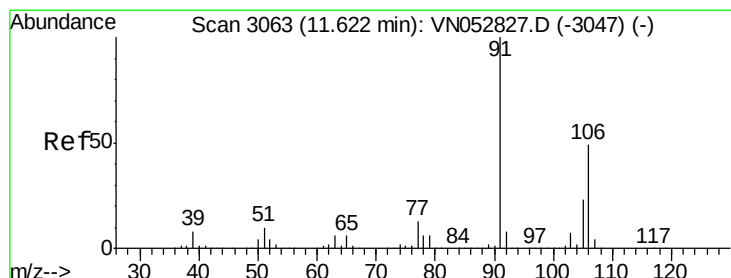
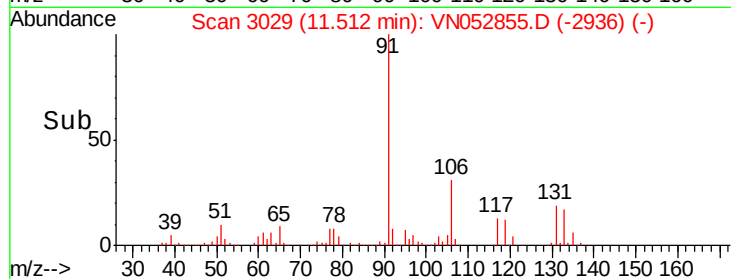
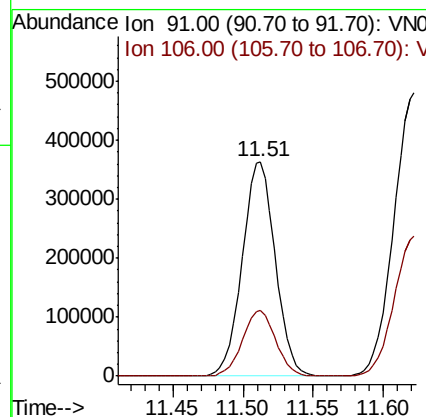
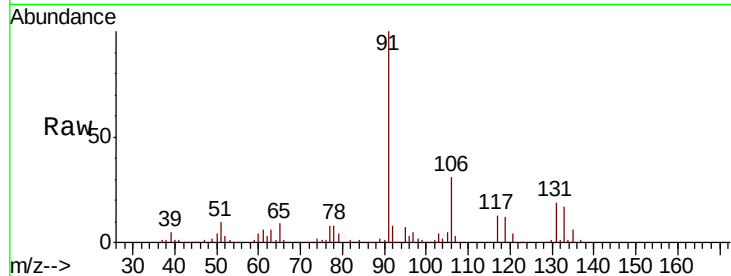




#67
Ethyl Benzene
Concen: 18.113 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

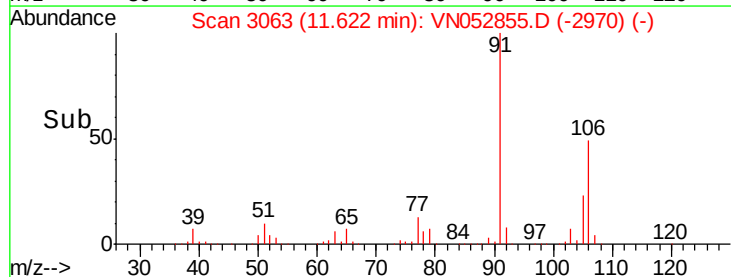
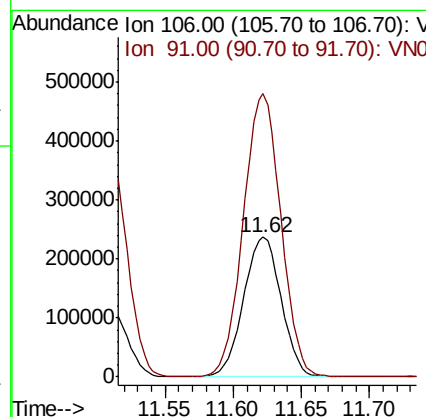
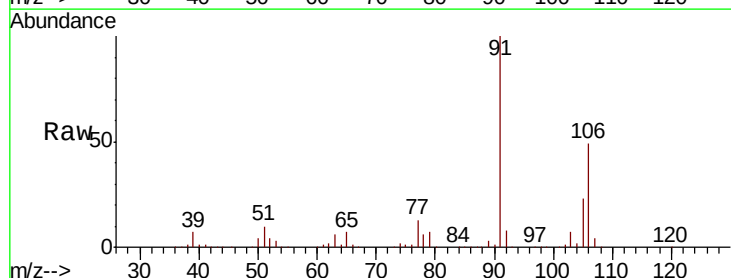
Instrument :
MSVOA_N
ClientSampled :
VN1213MBS01

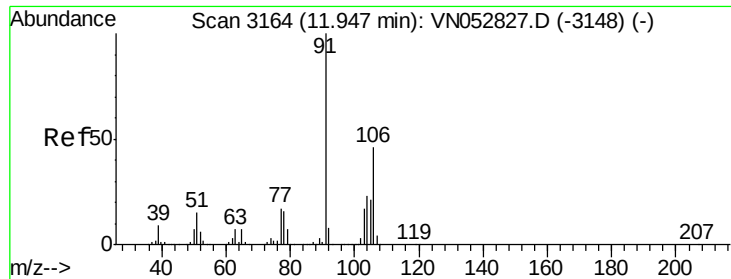
Tot Ion: 91 Resp: 596107
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3



#68
m/p-Xylenes
Concen: 36.541 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion: 106 Resp: 451550
Ion Ratio Lower Upper
106 100
91 203.1 162.2 243.4

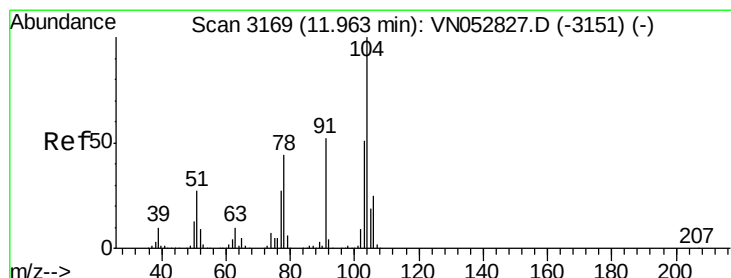
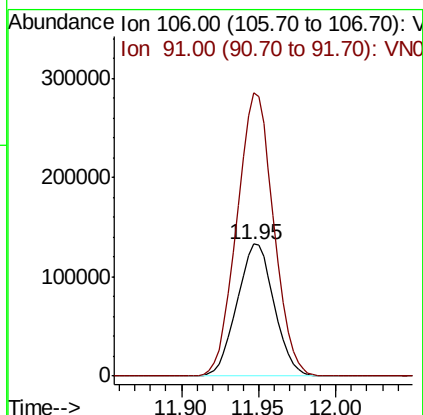
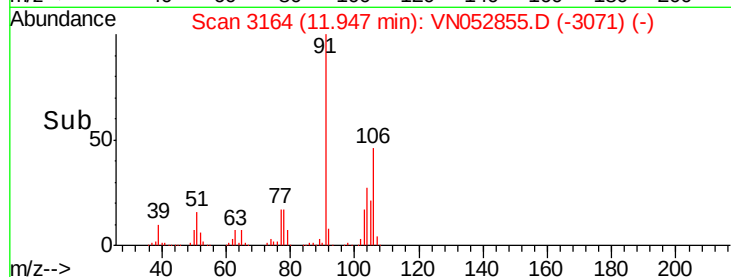
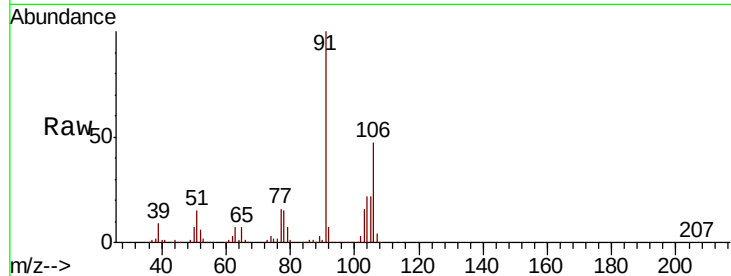




#69
o-Xylene
Concen: 18.393 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

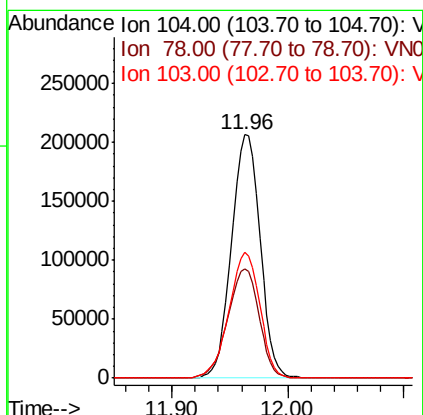
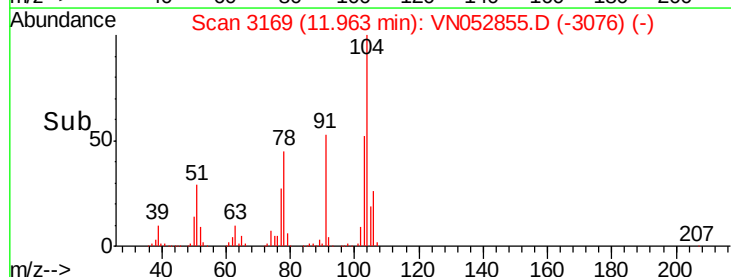
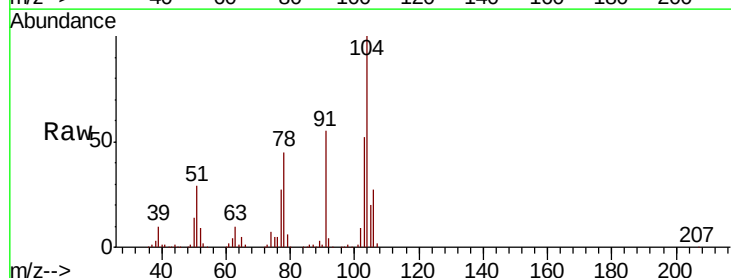
Instrument :
MSVOA_N
ClientSampleId :
VN1213MBS01

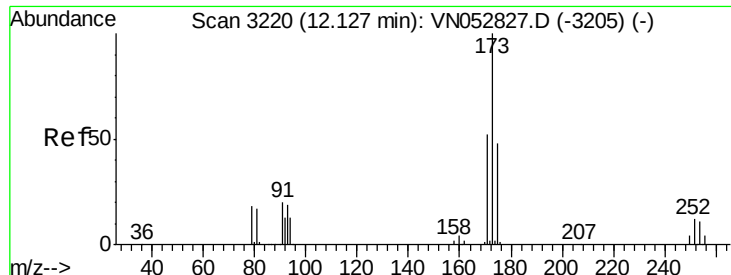
Tot Ion:106 Resp: 221948
Ion Ratio Lower Upper
106 100
91 212.5 106.6 319.8



#70
Styrene
Concen: 18.194 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052855.D
Acq: 13 Dec 2018 11:07

Tgt Ion:104 Resp: 352922
Ion Ratio Lower Upper
104 100
78 49.1 38.9 58.3
103 55.5 44.3 66.5





#71

Bromoform

Concen: 17.926 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

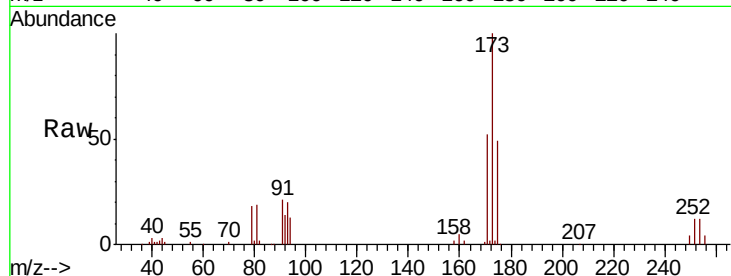
Tot Ion:173 Resp: 81168

Ion Ratio Lower Upper

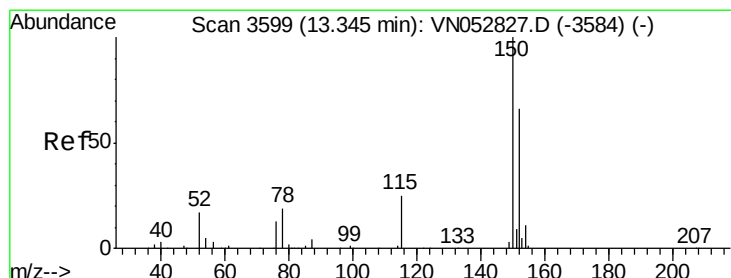
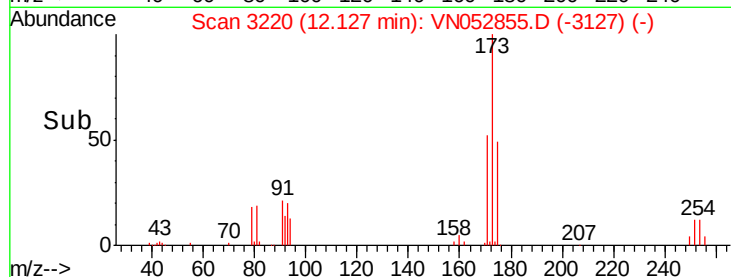
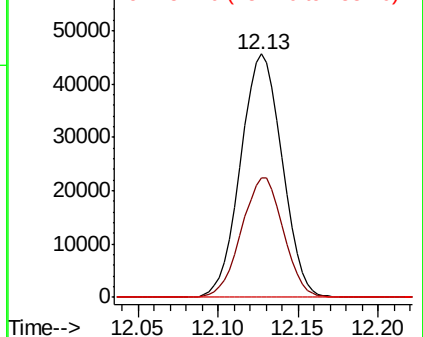
173 100

175 49.4 24.3 72.9

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

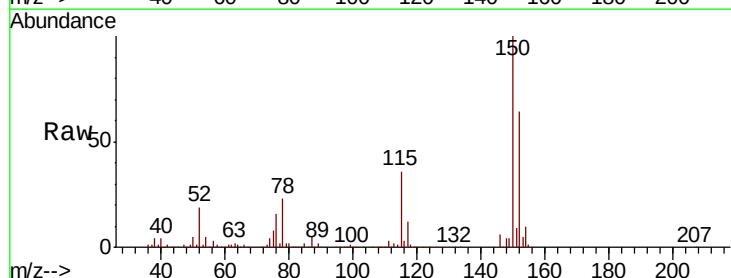
Tgt Ion:152 Resp: 414483

Ion Ratio Lower Upper

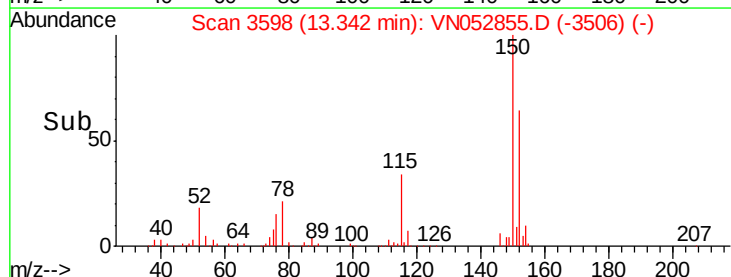
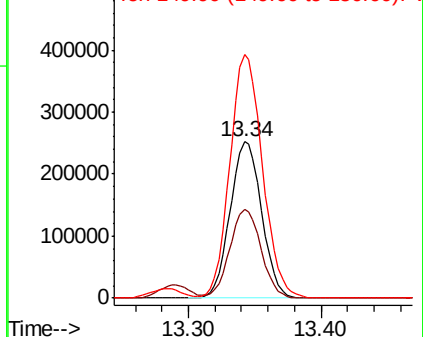
152 100

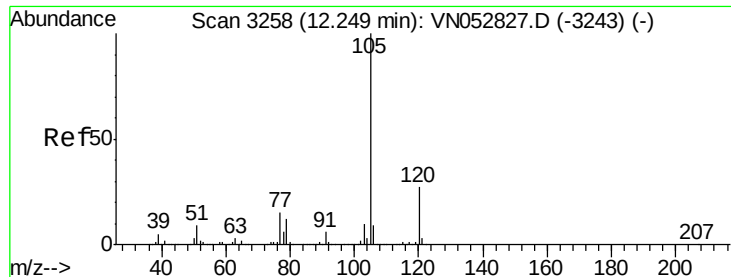
115 56.6 28.3 85.0

150 161.4 0.0 347.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.644 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

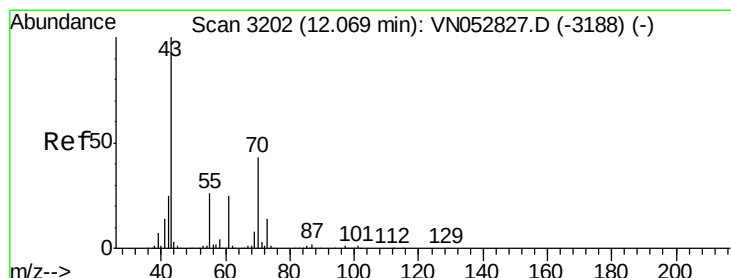
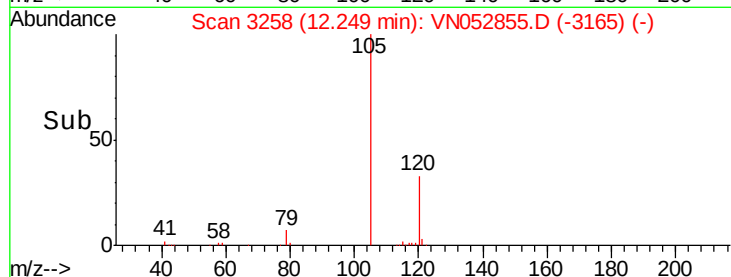
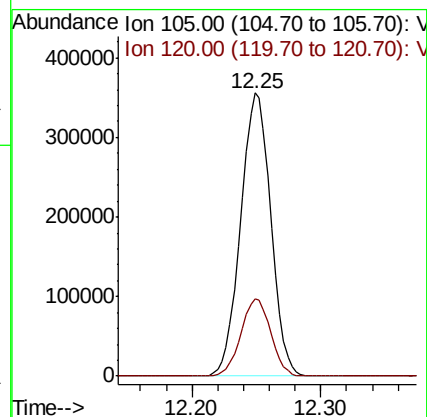
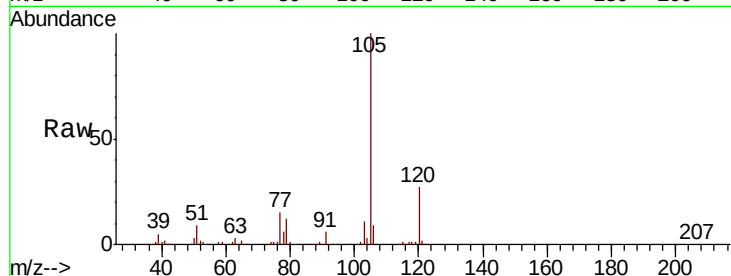
VN1213MBS01

Tot Ion:105 Resp: 576965

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.9



#74

N-ethyl acetate

Concen: 17.580 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Tgt Ion: 43 Resp: 149365

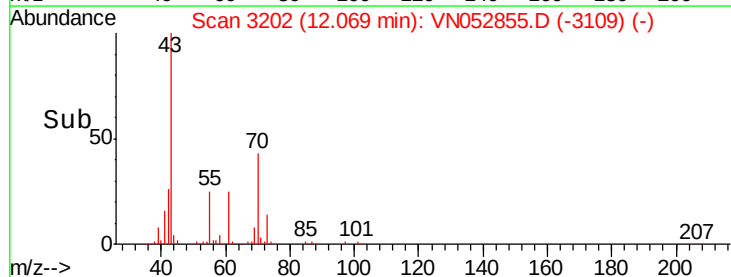
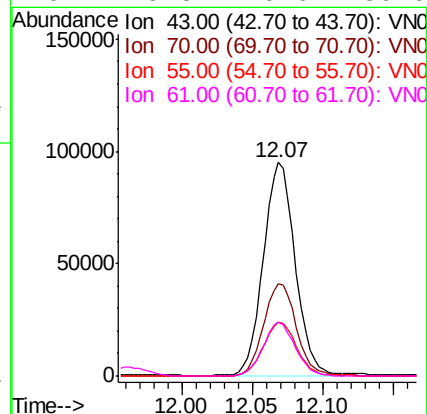
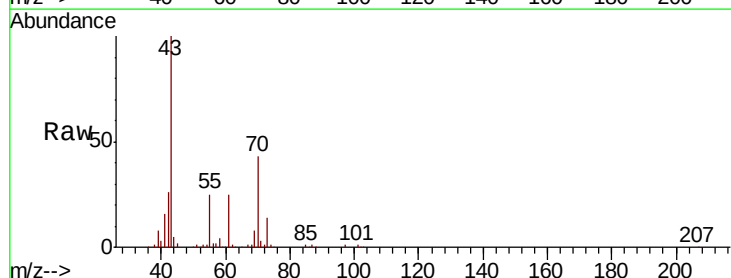
Ion Ratio Lower Upper

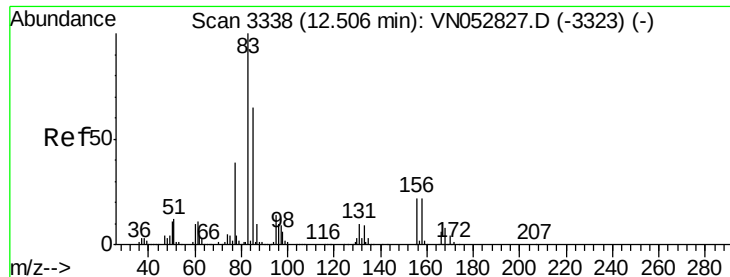
43 100

70 44.5 34.2 51.4

55 26.8 20.3 30.5

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 18.944 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

VN1213MBS01

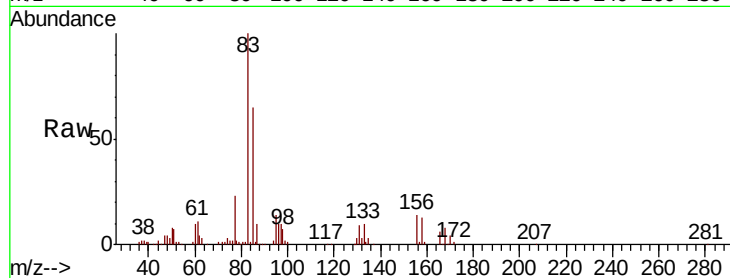
Tot Ion: 83 Resp: 131392

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

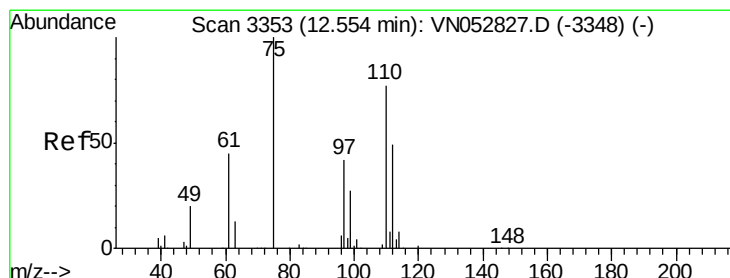
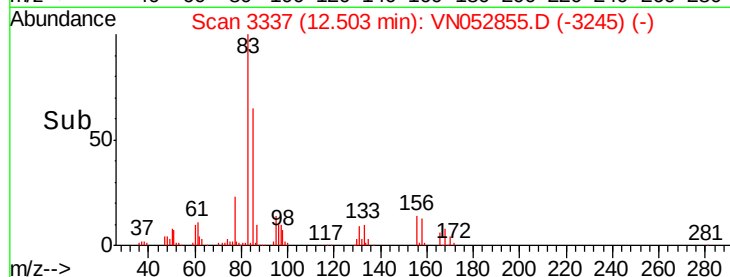
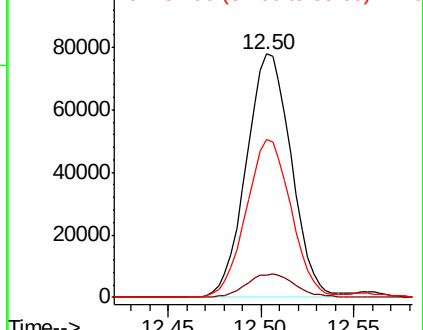
85 64.7 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 26.804 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052855.D

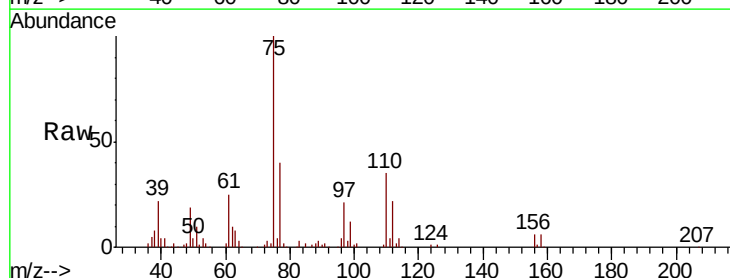
Acq: 13 Dec 2018 11:07

Tgt Ion: 75 Resp: 163910

Ion Ratio Lower Upper

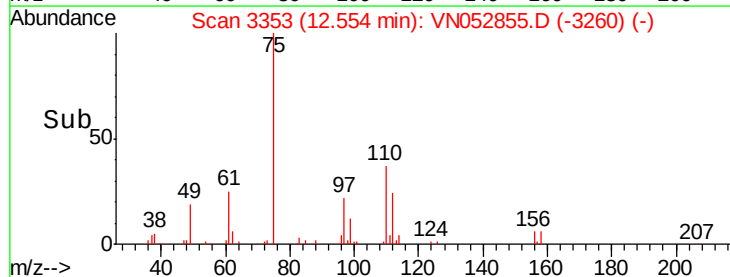
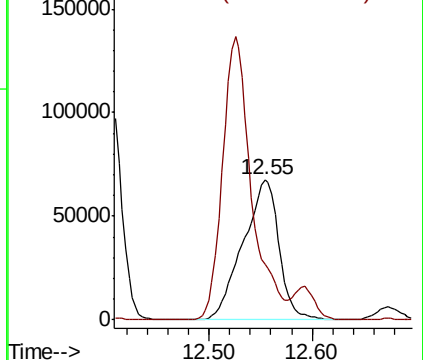
75 100

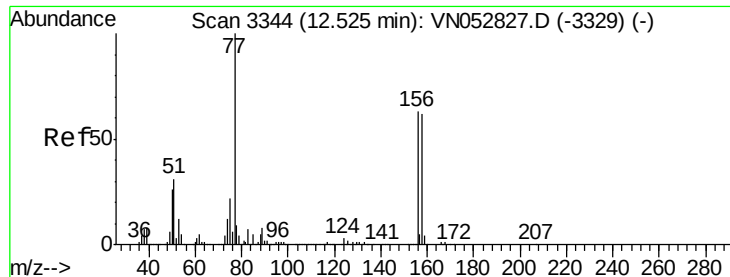
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.903 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

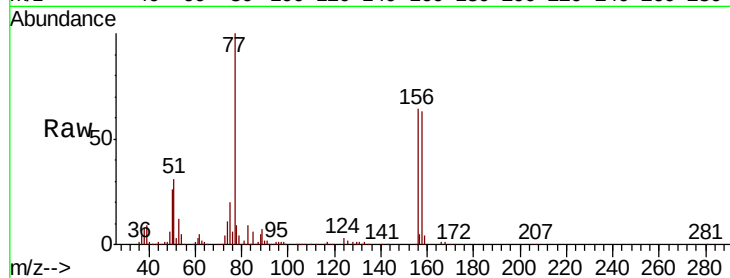
Tot Ion:156 Resp: 148787

Ion Ratio Lower Upper

156 100

77 178.9 91.3 273.8

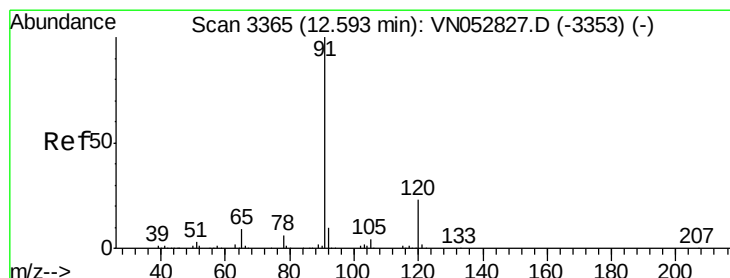
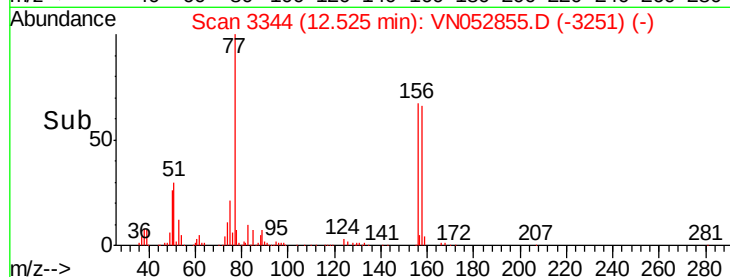
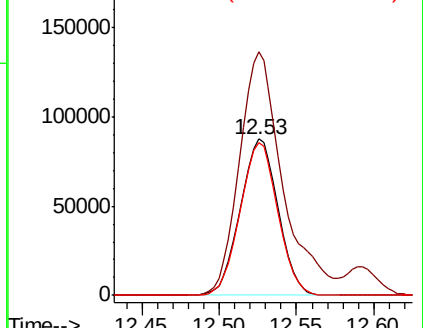
158 97.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.324 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052855.D

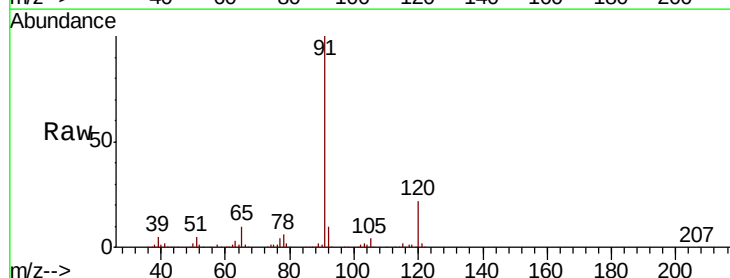
Acq: 13 Dec 2018 11:07

Tgt Ion: 91 Resp: 646745

Ion Ratio Lower Upper

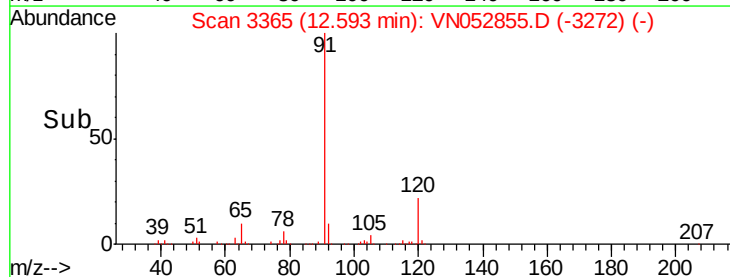
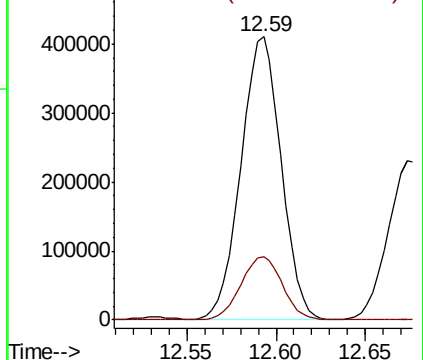
91 100

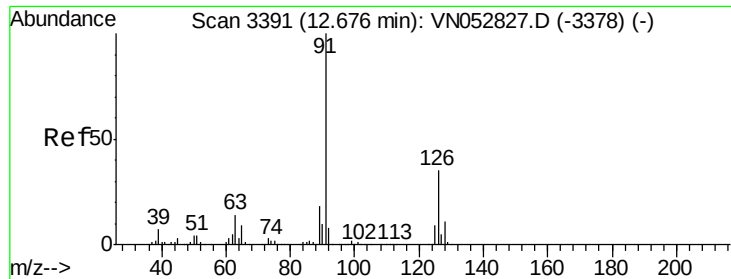
120 22.9 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.469 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

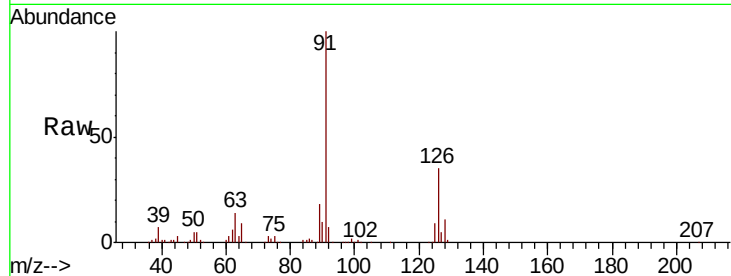
VN1213MBS01

Tot Ion: 91 Resp: 385363

Ion Ratio Lower Upper

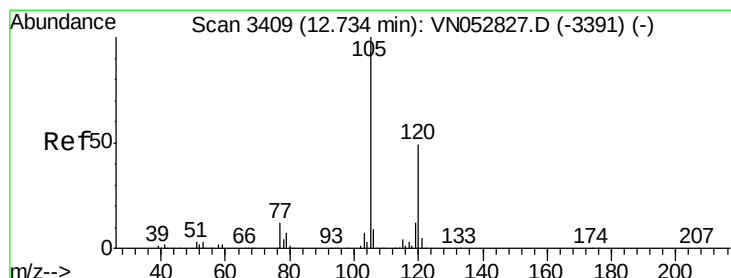
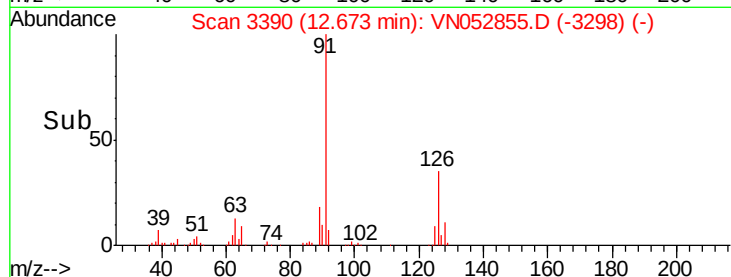
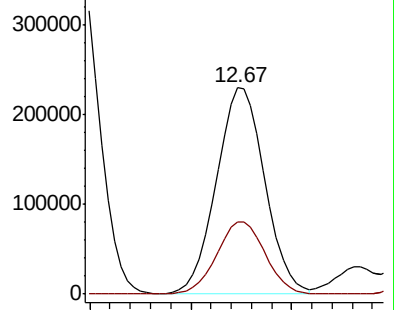
91 100

126 35.3 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052827.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.705 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052855.D

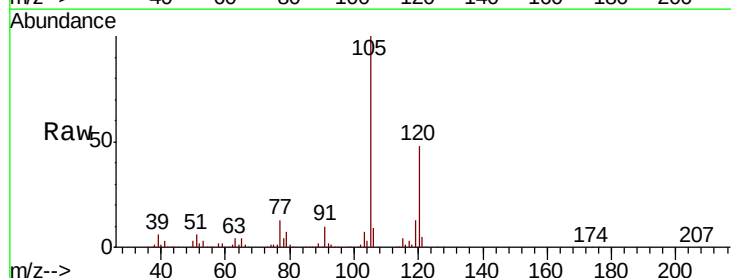
Acq: 13 Dec 2018 11:07

Tgt Ion:105 Resp: 467285

Ion Ratio Lower Upper

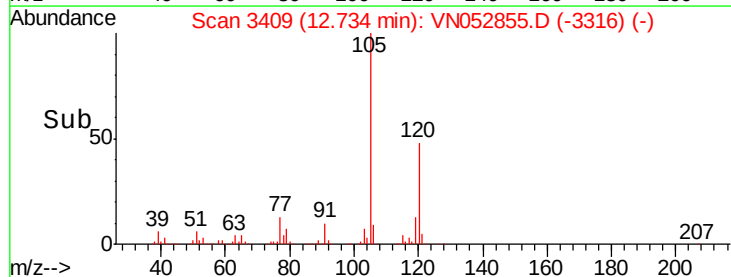
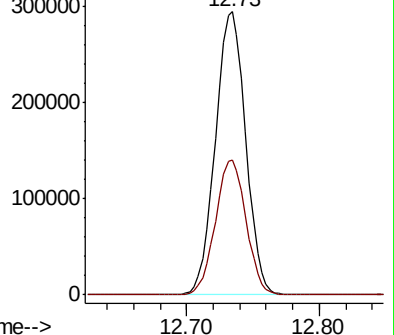
105 100

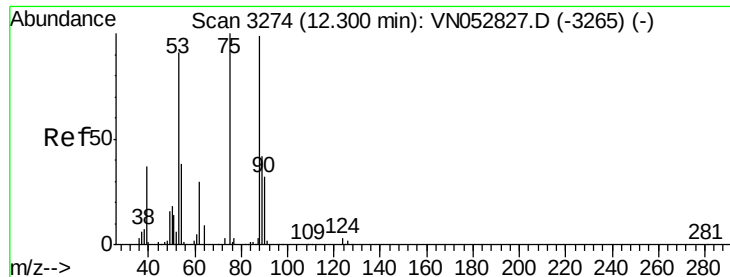
120 48.1 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN052827.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052827.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.062 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

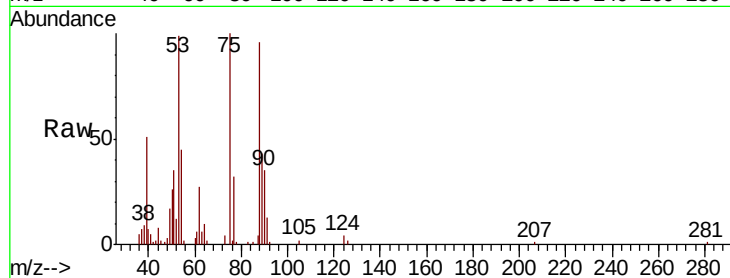
Tot Ion: 75 Resp: 32478

Ion Ratio Lower Upper

75 100

53 103.2 74.7 112.1

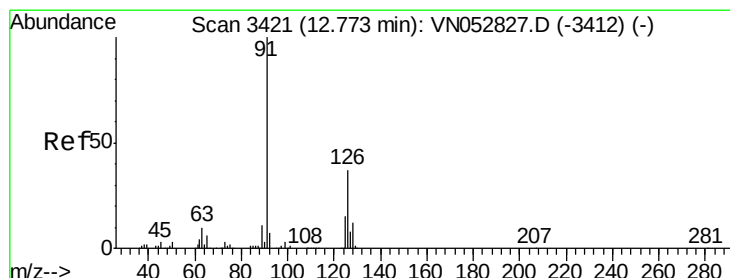
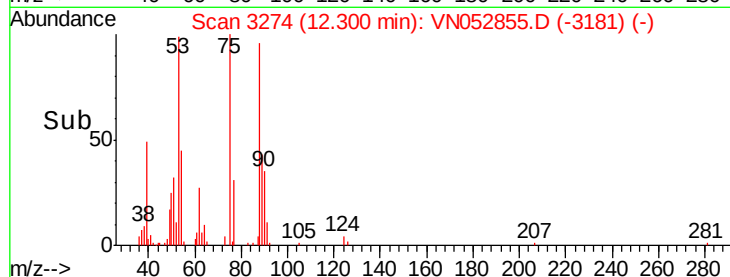
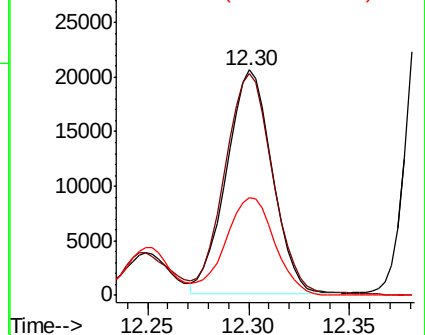
89 47.4 36.1 54.1



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: 18.201 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052855.D

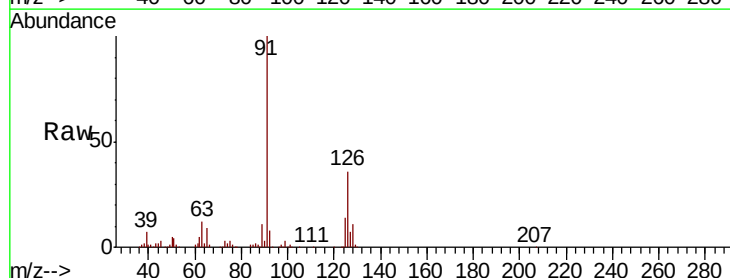
Acq: 13 Dec 2018 11:07

Tgt Ion: 91 Resp: 388293

Ion Ratio Lower Upper

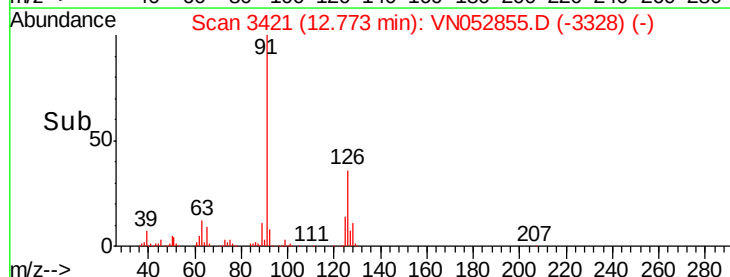
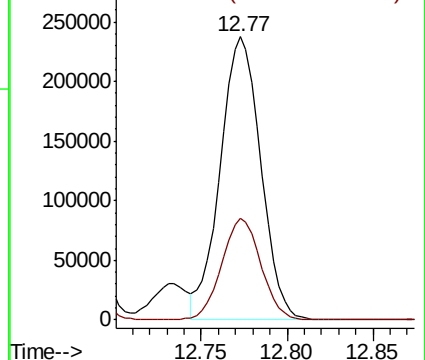
91 100

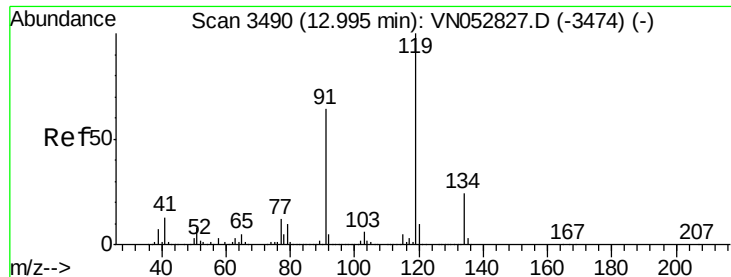
126 34.8 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

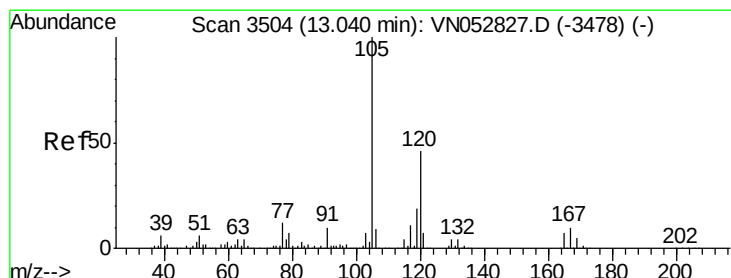
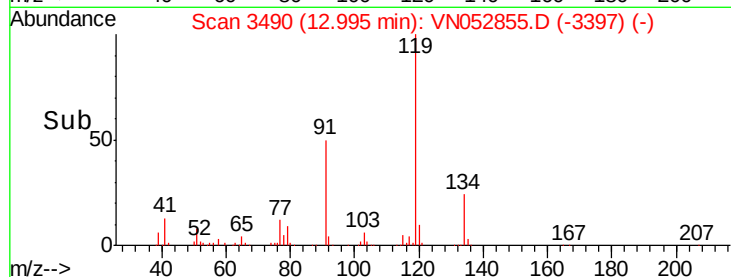
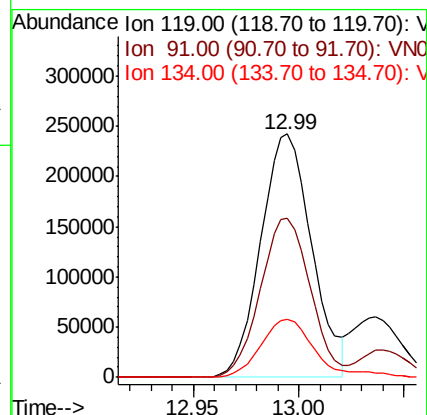
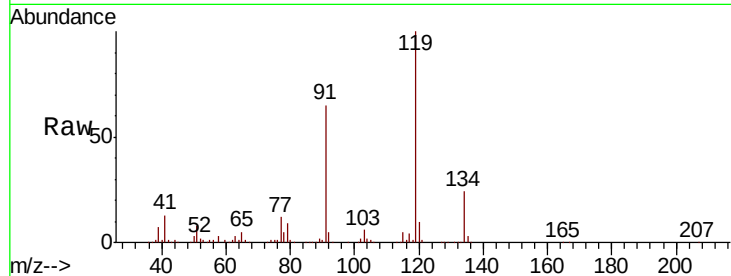




#83
 tert-Butylbenzene
 Concen: 18.511 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

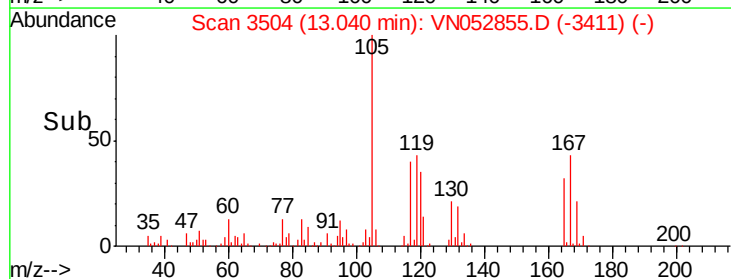
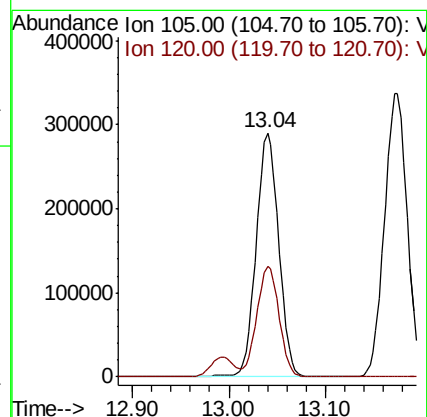
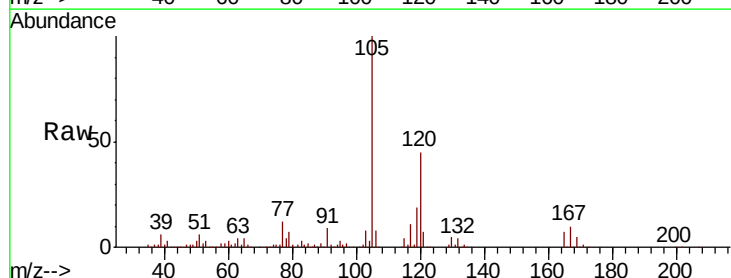
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

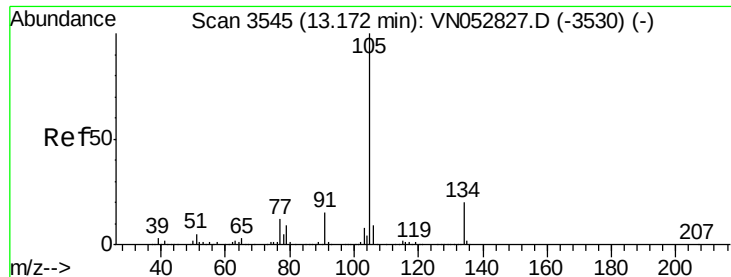
Tot Ion:119 Resp: 407936
 Ion Ratio Lower Upper
 119 100
 91 63.9 31.9 95.5
 134 25.5 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 18.574 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion:105 Resp: 469756
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.9 68.8





#85

sec-Butylbenzene

Concen: 18.417 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

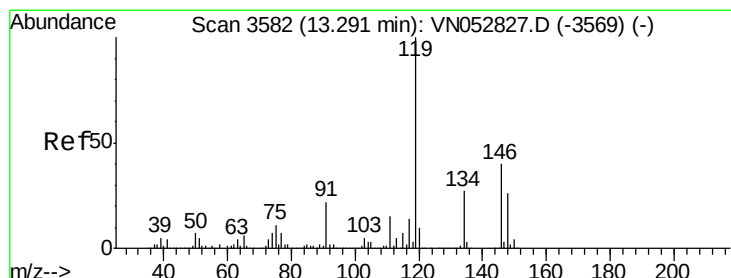
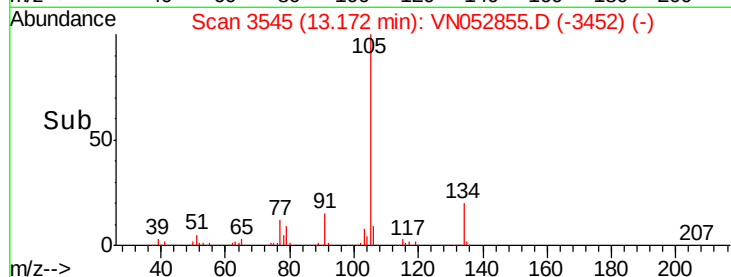
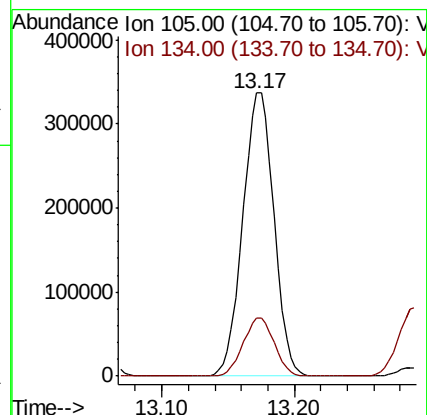
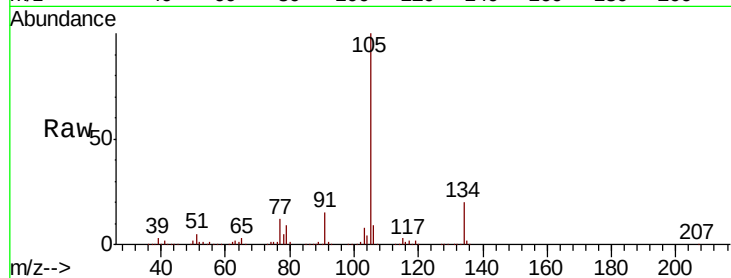
VN1213MBS01

Tot Ion:105 Resp: 549643

Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.3



#86

p-Isopropyltoluene

Concen: 18.154 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

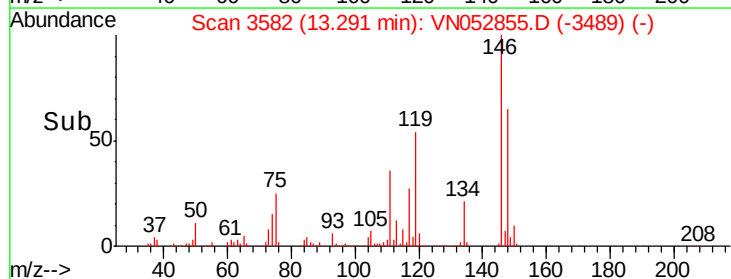
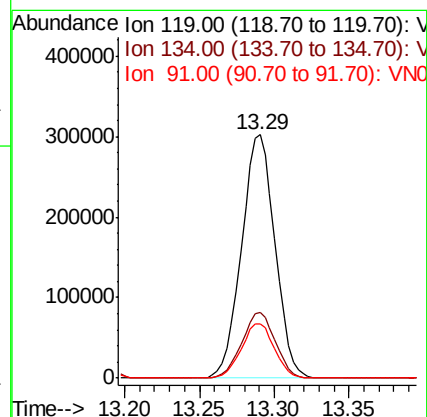
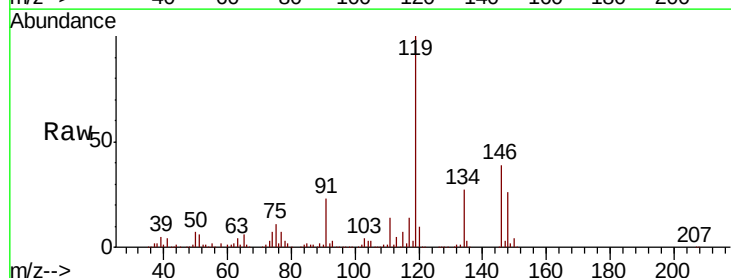
Tgt Ion:119 Resp: 469389

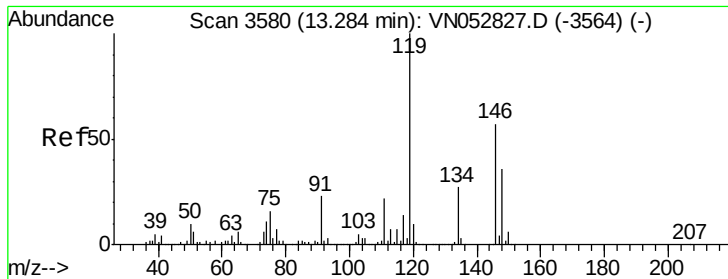
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.4 11.1 33.3

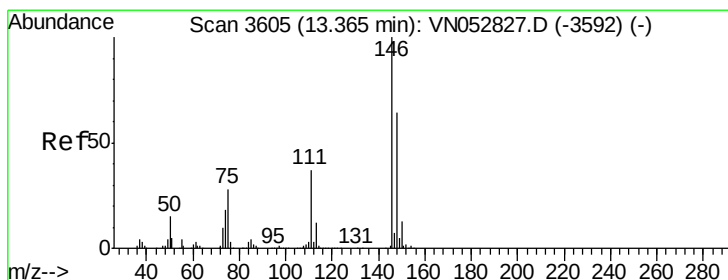
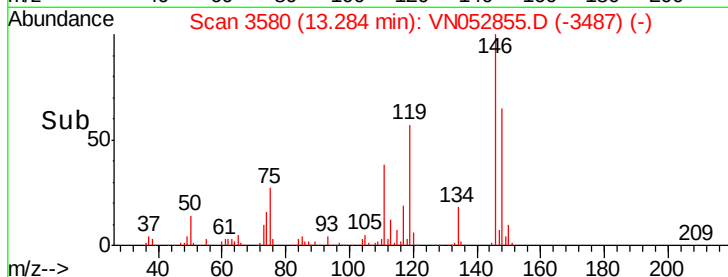
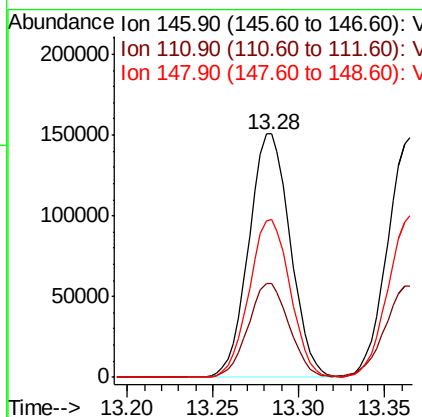
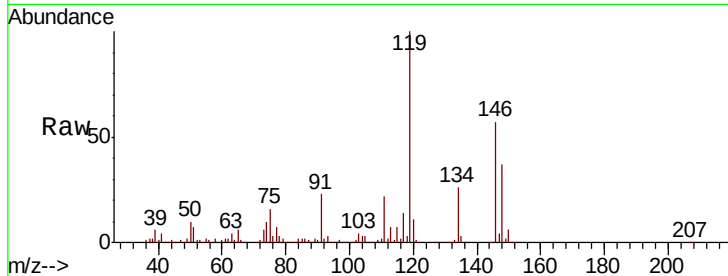




#87
 1,3-Dichlorobenzene
 Concen: 18.023 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

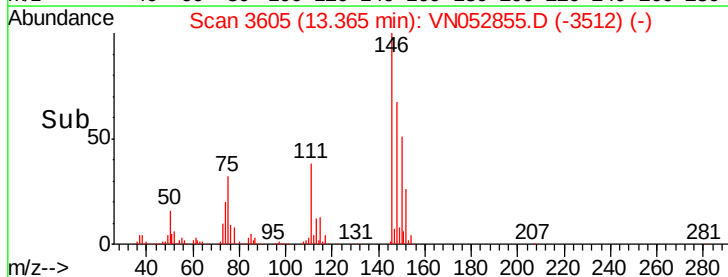
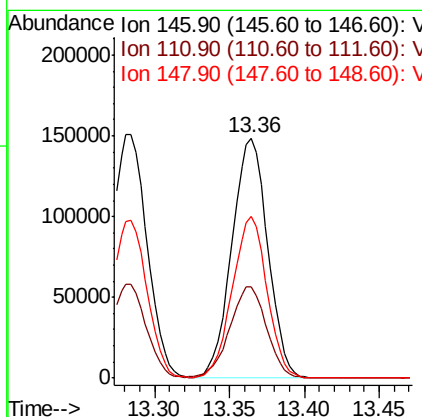
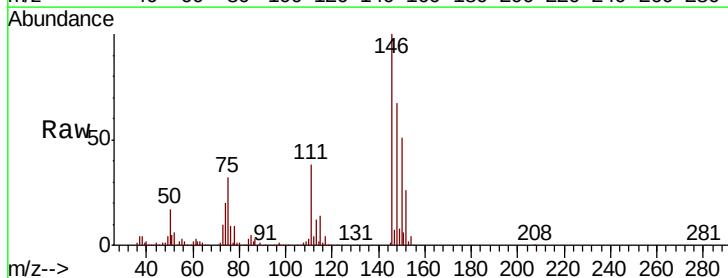
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

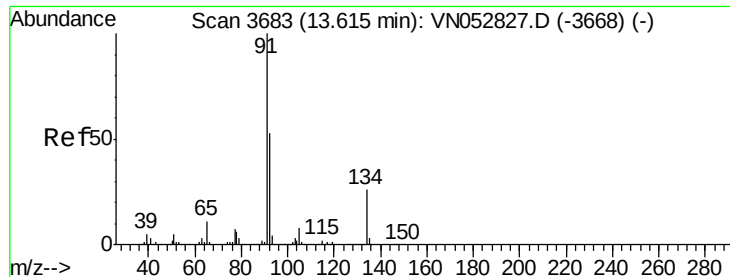
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.1
148	64.2	32.0	96.0



#88
 1,4-Dichlorobenzene
 Concen: 17.933 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.6	55.8
148	65.2	32.1	96.5





#89

n-Butylbenzene

Concen: 17.215 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

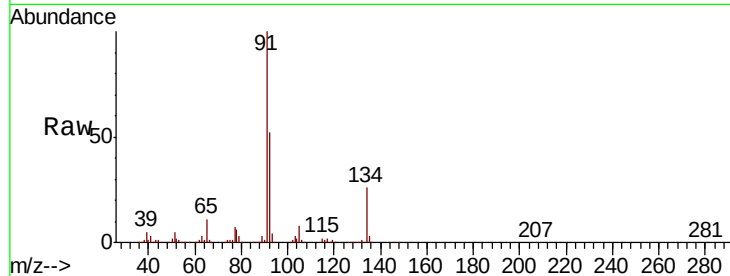
Tot Ion: 91 Resp: 374730

Ion Ratio Lower Upper

91 100

92 52.2 26.3 78.9

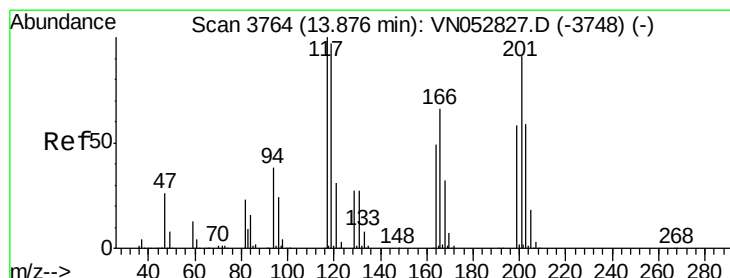
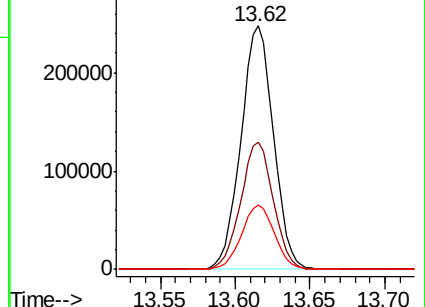
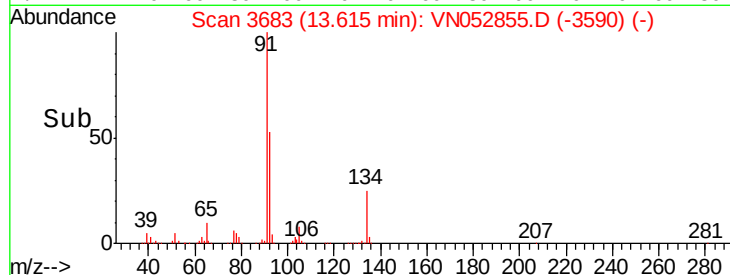
134 26.6 13.3 39.8



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052827.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052827.D (-3668) (-)



#90

Hexachloroethane

Concen: 17.606 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052855.D

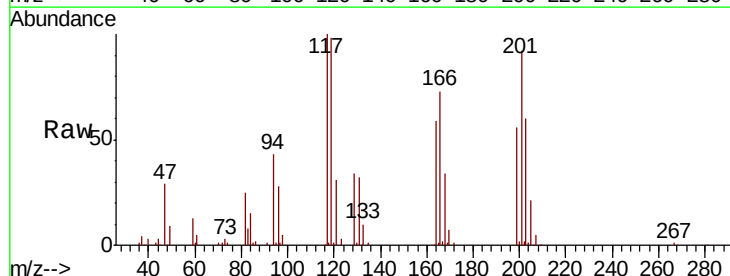
Acq: 13 Dec 2018 11:07

Tgt Ion: 117 Resp: 76229

Ion Ratio Lower Upper

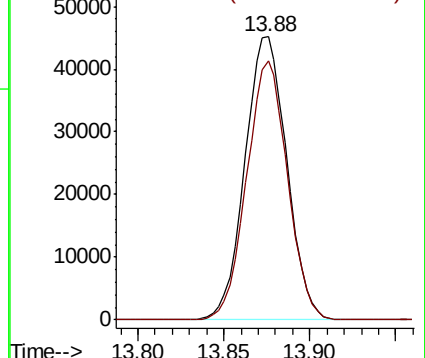
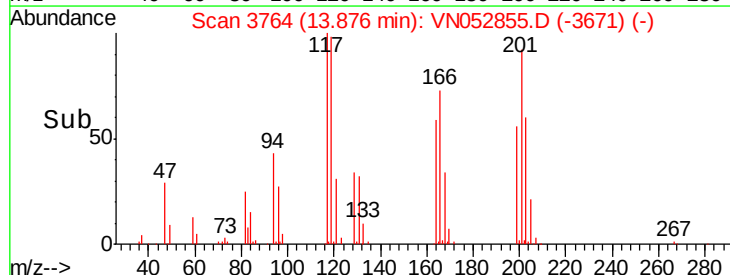
117 100

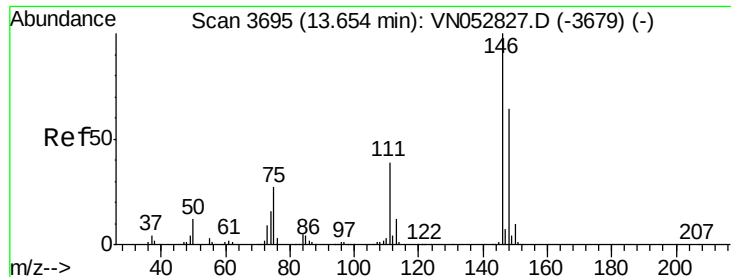
201 89.2 45.7 137.1



Abundance Ion 116.80 (116.50 to 117.50): VN052827.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052827.D (-3748) (-)

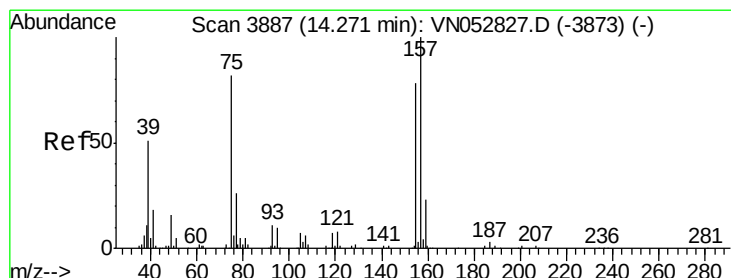
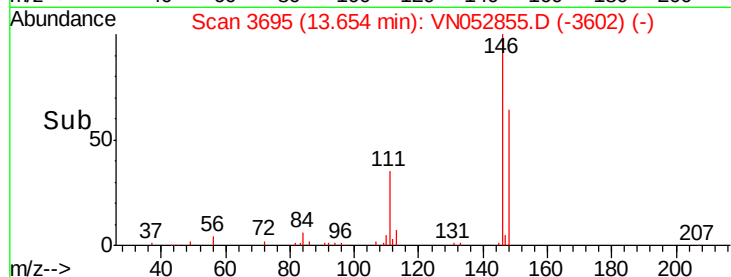
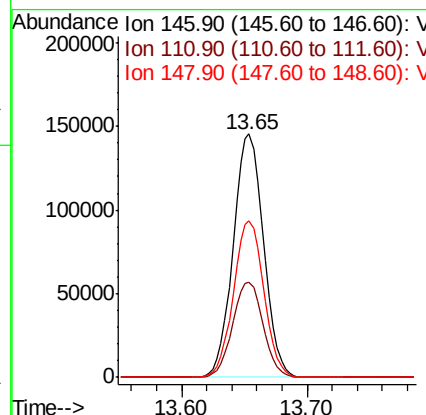
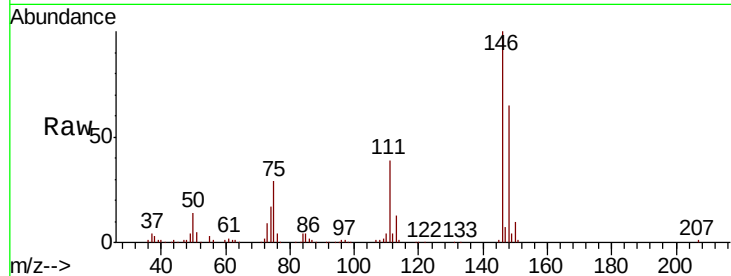




#91
 1,2-Dichlorobenzene
 Concen: 18.127 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

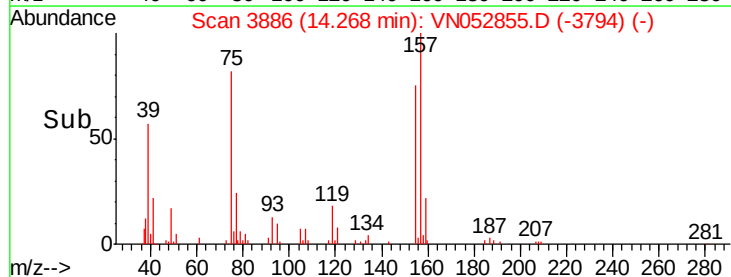
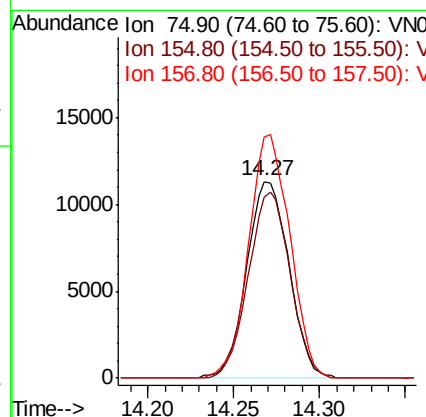
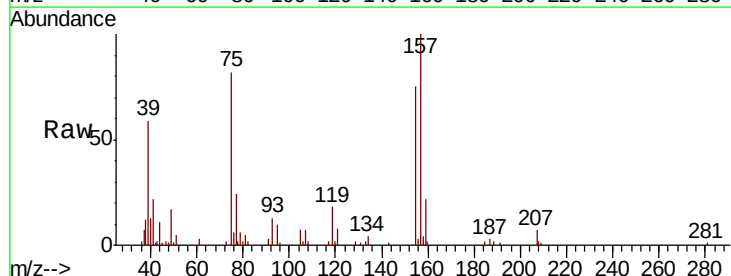
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

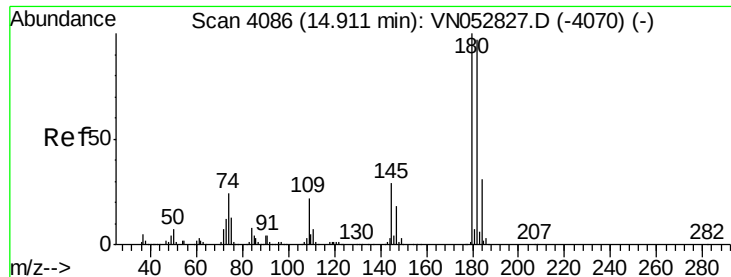
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.5	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.557 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	48.2	144.6
157	120.1	61.2	183.5

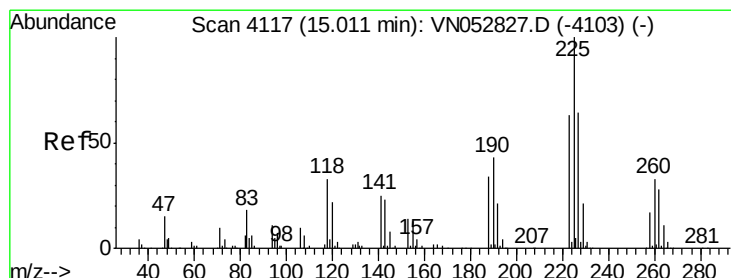
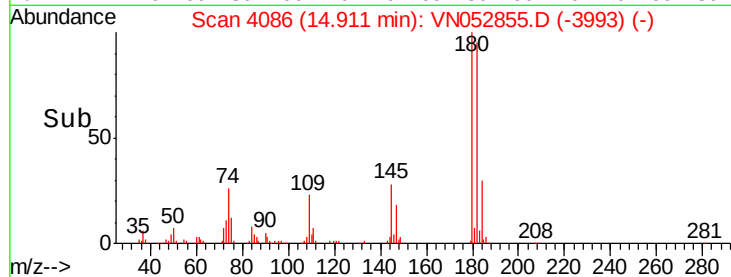
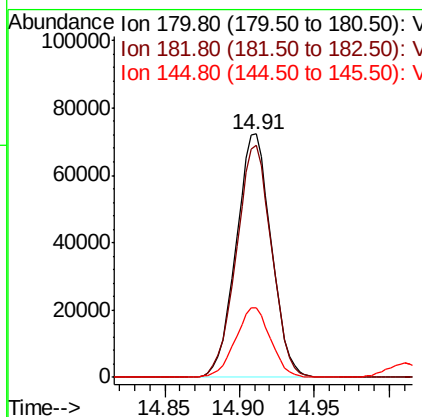
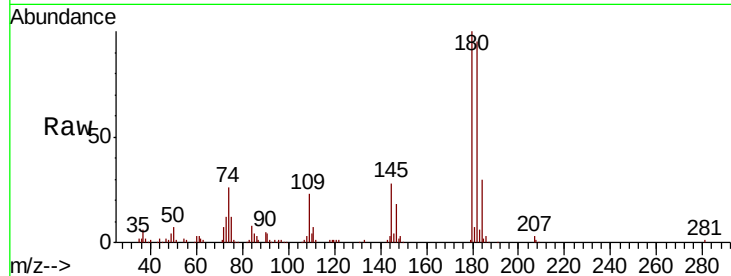




#93
 1,2,4-Trichlorobenzene
 Concen: 16.133 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

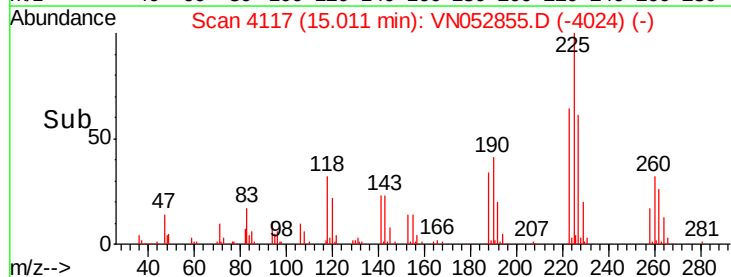
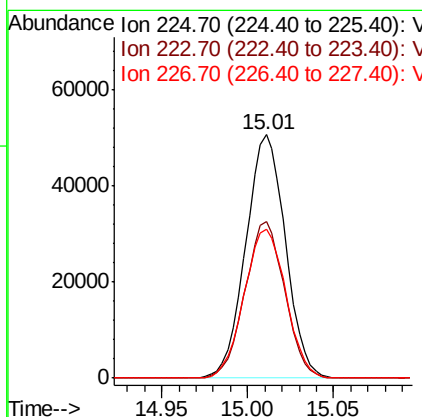
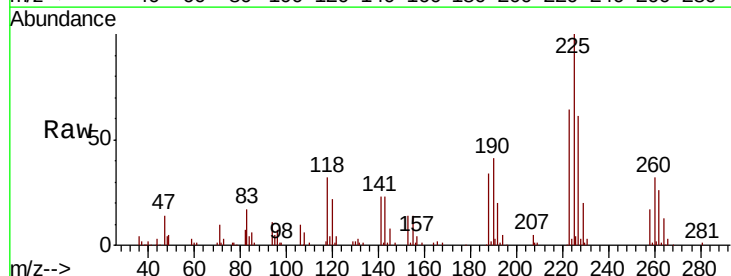
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1213MBS01

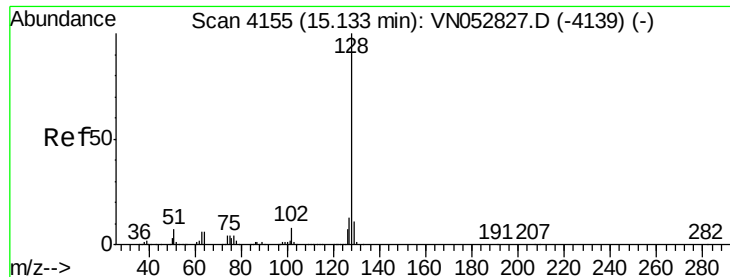
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.3
145	28.5	14.2	42.6



#94
 Hexachlorobutadiene
 Concen: 19.125 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052855.D
 Acq: 13 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.5	94.5
227	64.1	31.9	95.7





#95

Naphthalene

Concen: 15.851 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

VN1213MBS01

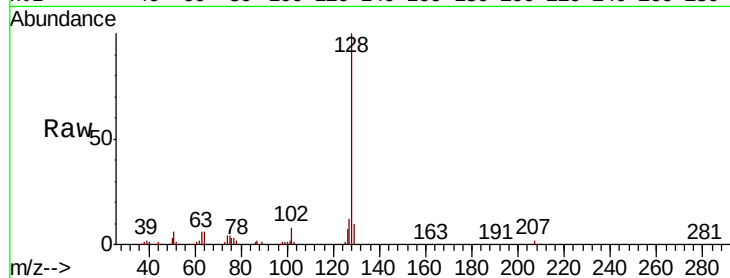
Tot Ion:128 Resp: 240124

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

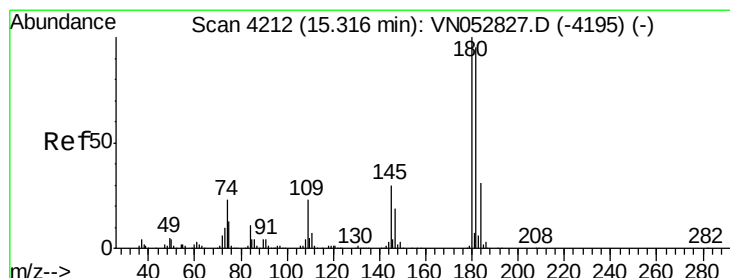
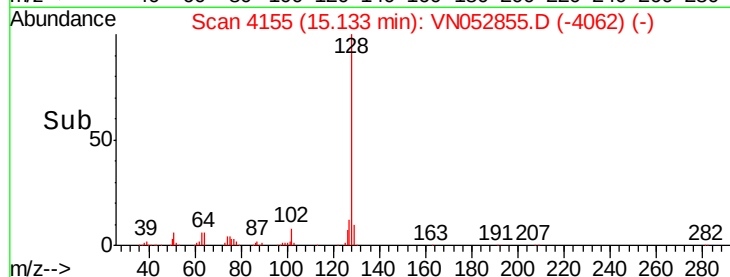
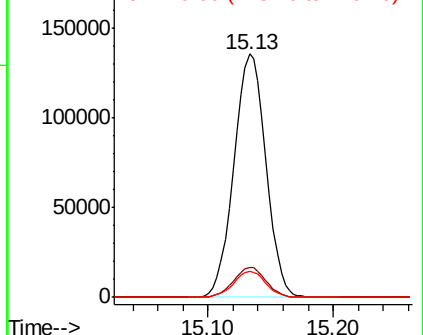
129 10.7 8.6 13.0



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: 16.319 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN052855.D

Acq: 13 Dec 2018 11:07

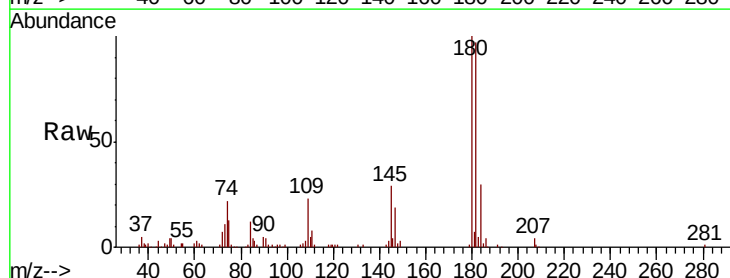
Tgt Ion:180 Resp: 109521

Ion Ratio Lower Upper

180 100

182 98.7 47.9 143.7

145 30.2 15.0 45.0



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

