

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120718\
 Data File : VN052727.D
 Acq On : 7 Dec 2018 15:25
 Operator : MD\SY
 Sample : VN1207WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Quant Time: Dec 07 22:20:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	925295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1441848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1262176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	553678	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	514632	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.59	113	469033	52.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.54%	
50) Toluene-d8	10.09	98	1755308	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.40	95	588531	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	154203	17.798	ug/l	99
3) Chloromethane	2.06	50	198486	17.356	ug/l	98
4) Vinyl Chloride	2.19	62	209130	17.801	ug/l	98
5) Bromomethane	2.57	94	77382	10.557	ug/l	97
6) Chloroethane	2.71	64	130962	18.404	ug/l	100
7) Trichlorofluoromethane	3.02	101	281295	19.493	ug/l	100
8) Diethyl Ether	3.41	74	110809	20.793	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	181886	20.199	ug/l	99
10) Methyl Iodide	3.96	142	153643	12.811	ug/l	100
11) Tert butyl alcohol	4.78	59	55521	110.080	ug/l	100
12) 1,1-Dichloroethene	3.74	96	169169	19.517	ug/l	100
13) Acrolein	3.61	56	31752	36.222	ug/l	86
14) Allyl chloride	4.33	41	296700	19.861	ug/l	99
15) Acrylonitrile	4.99	53	334974	104.918	ug/l	98
16) Acetone	3.82	43	283046	106.515	ug/l	98
17) Carbon Disulfide	4.06	76	447577	16.409	ug/l	99
18) Methyl Acetate	4.33	43	169107	22.185	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	488335	21.176	ug/l	99
20) Methylene Chloride	4.55	84	203357	19.556	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	180460	19.494	ug/l	96
22) Diisopropyl ether	5.95	45	643396	20.504	ug/l	99
23) Vinyl Acetate	5.90	43	1986937	101.662	ug/l	99
24) 1,1-Dichloroethane	5.85	63	368082	20.544	ug/l	98
25) 2-Butanone	6.84	43	386297	102.562	ug/l	97
26) 2,2-Dichloropropane	6.82	77	267423	21.565	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	216307	20.059	ug/l	98
28) Bromochloromethane	7.20	49	157656	19.266	ug/l	97
29) Tetrahydrofuran	7.21	42	249113	102.543	ug/l	99
30) Chloroform	7.37	83	366079	20.480	ug/l	99
31) Cyclohexane	7.66	56	329324	18.763	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	290663	20.523	ug/l	99
36) 1,1-Dichloropropene	7.80	75	266423	19.567	ug/l	100
37) Ethyl Acetate	6.93	43	169965	20.454	ug/l	99
38) Carbon Tetrachloride	7.78	117	250042	20.286	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Quant Time: Dec 07 22:20:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	311458	18.820	ug/l	99
40) Benzene	8.04	78	827800	20.400	ug/l	100
41) Methacrylonitrile	7.17	41	84035	18.498	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	255771	20.817	ug/l	100
43) Isopropyl Acetate	8.17	43	311713	22.167	ug/l	97
44) Trichloroethene	8.84	130	209400	20.146	ug/l	99
45) 1,2-Dichloropropane	9.12	63	225132	20.869	ug/l	100
46) Dibromomethane	9.21	93	124047	20.771	ug/l	97
47) Bromodichloromethane	9.40	83	273522	21.065	ug/l	98
48) Methyl methacrylate	9.20	41	151837	20.707	ug/l	99
49) 1,4-Dioxane	9.20	88	32115	422.016	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	842323	106.759	ug/l	100
52) Toluene	10.16	92	501254	20.791	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	259995	20.814	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	312497	20.876	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	180643	21.301	ug/l	99
56) Ethyl methacrylate	10.43	69	225404	20.803	ug/l	99
57) 1,3-Dichloropropane	10.71	76	312426	20.865	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	611101	99.308	ug/l	98
59) 2-Hexanone	10.75	43	568941	107.441	ug/l	100
60) Dibromochloromethane	10.90	129	196646	21.350	ug/l	99
61) 1,2-Dibromoethane	11.01	107	173395	20.586	ug/l	99
64) Tetrachloroethene	10.63	164	198752	20.310	ug/l	99
65) Chlorobenzene	11.43	112	546113	20.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	193716	21.407	ug/l	99
67) Ethyl Benzene	11.51	91	940614	20.638	ug/l	100
68) m/p-Xylenes	11.62	106	702685	41.415	ug/l	99
69) o-Xylene	11.95	106	348006	21.122	ug/l	99
70) Styrene	11.97	104	555286	21.160	ug/l	100
71) Bromoform	12.13	173	129210	21.565	ug/l #	100
73) Isopropylbenzene	12.25	105	927419	21.350	ug/l	99
74) N-amyl acetate	12.07	43	229634	20.924	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	219237	22.186	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	262509	30.746	ug/l #	100
77) Bromobenzene	12.53	156	229940	21.416	ug/l	98
78) n-propylbenzene	12.59	91	1039738	21.069	ug/l	99
79) 2-Chlorotoluene	12.67	91	618634	21.051	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	735000	21.215	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53913	21.087	ug/l	98
82) 4-Chlorotoluene	12.77	91	615476	20.781	ug/l	100
83) tert-Butylbenzene	12.99	119	666736	21.587	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	738593	21.273	ug/l	100
85) sec-Butylbenzene	13.17	105	887987	21.109	ug/l	100
86) p-Isopropyltoluene	13.29	119	752048	20.989	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	389939	20.762	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	380352	20.560	ug/l	99
89) n-Butylbenzene	13.62	91	603734	20.261	ug/l	99
90) Hexachloroethane	13.88	117	128725	21.218	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	385179	21.466	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31331	22.169	ug/l	99

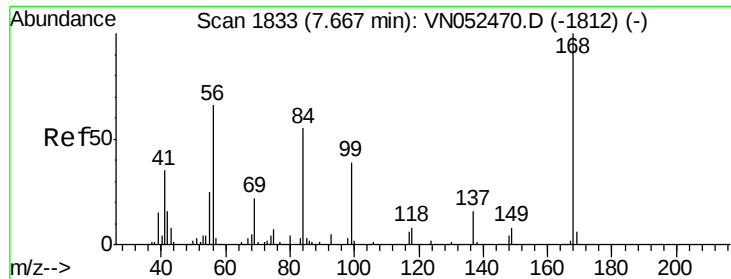
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120718\
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Quant Time: Dec 07 22:20:00 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	174925	19.618	ug/l	99
94) Hexachlorobutadiene	15.01	225	124621	21.588	ug/l	99
95) Naphthalene	15.13	128	353515	19.224	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	170250	20.537	ug/l	99

(#) = 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: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

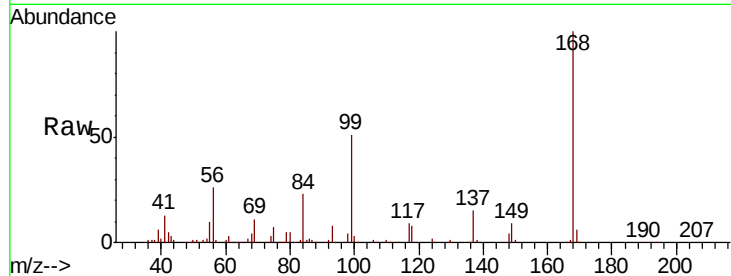
VN1207WBSD02

Tot Ion:168 Resp: 925295

Ion Ratio Lower Upper

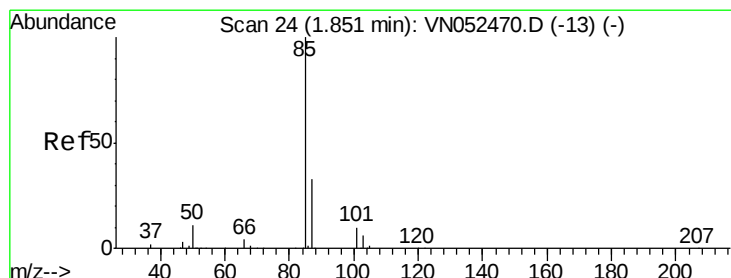
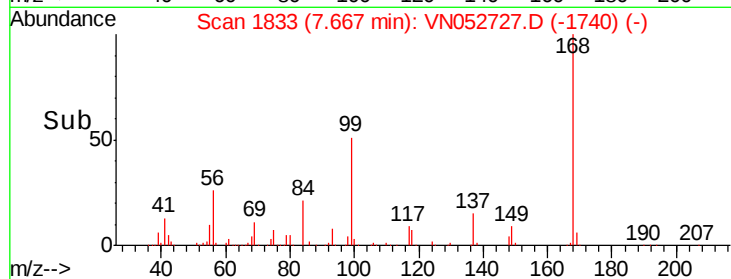
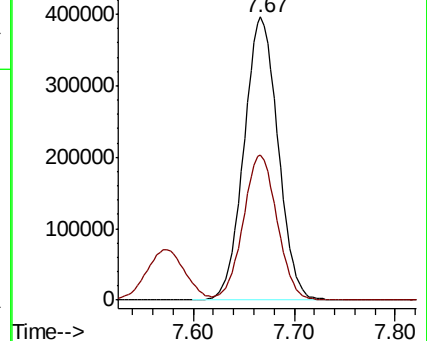
168 100

99 51.1 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 17.798 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052727.D

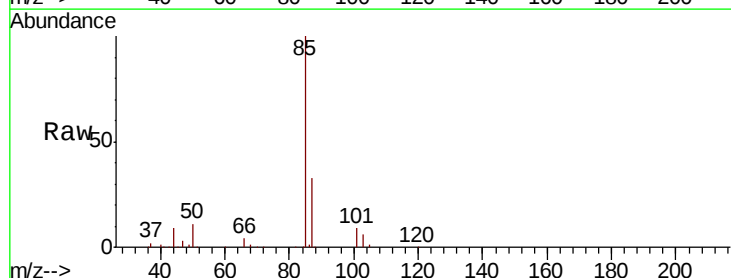
Acq: 7 Dec 2018 15:25

Tgt Ion: 85 Resp: 154203

Ion Ratio Lower Upper

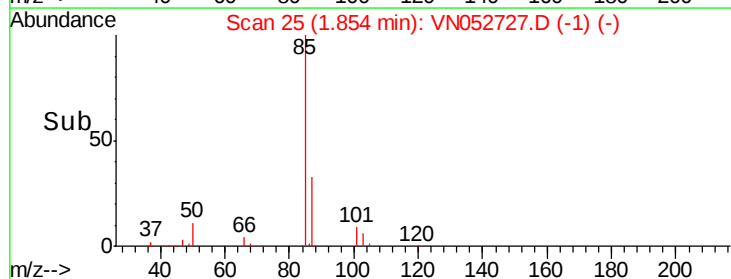
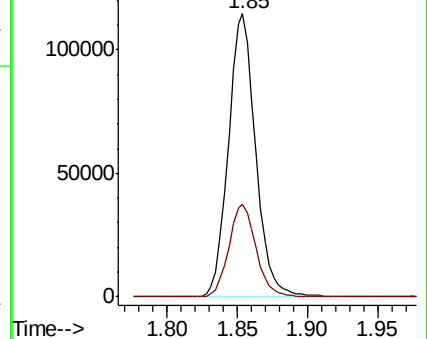
85 100

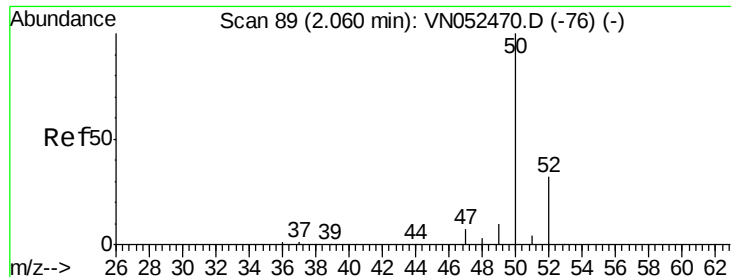
87 32.7 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 17.356 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

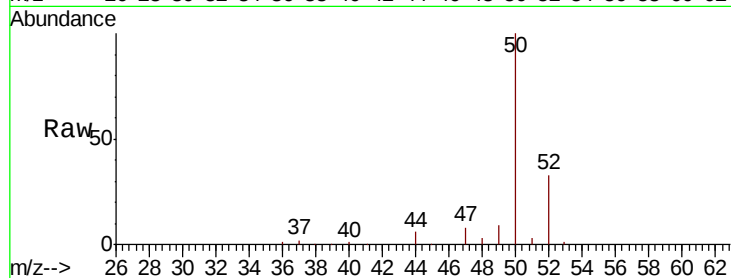
VN1207WBSD02

Tot Ion: 50 Resp: 198486

Ion Ratio Lower Upper

50 100

52 33.3 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN052727.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN052727.D (-1) (-)

2.06

150000

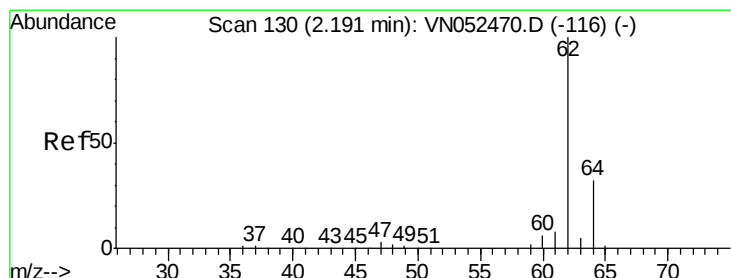
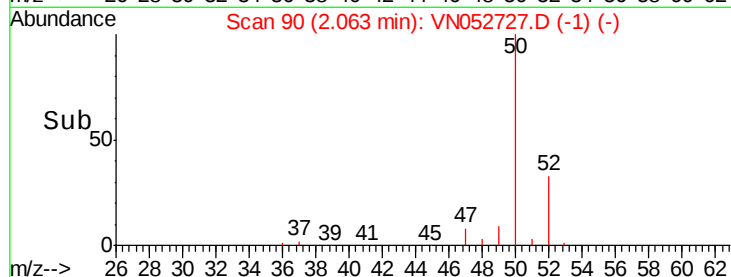
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 17.801 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052727.D

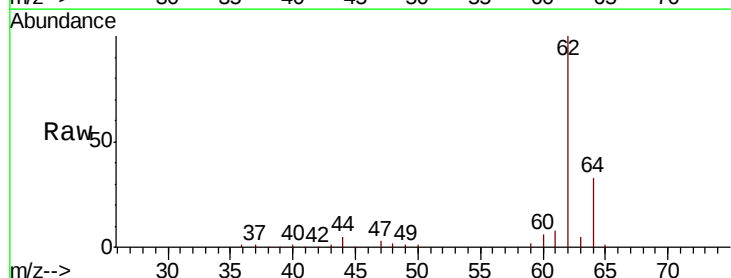
Acq: 7 Dec 2018 15:25

Tgt Ion: 62 Resp: 209130

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN052727.D (-37) (-)

Ion 63.90 (63.60 to 64.60): VN052727.D (-37) (-)

2.19

150000

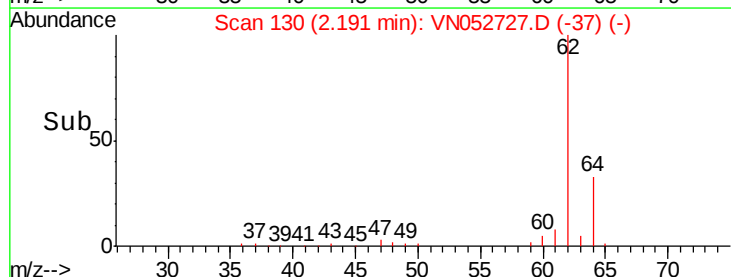
100000

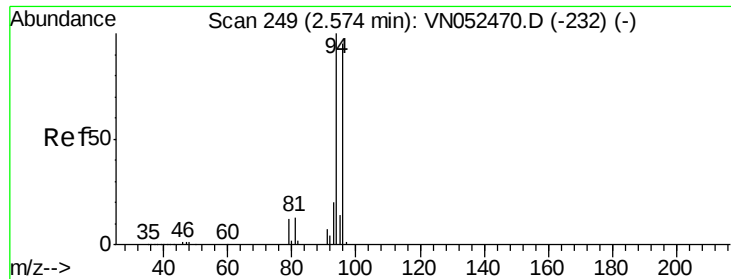
50000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 10.557 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

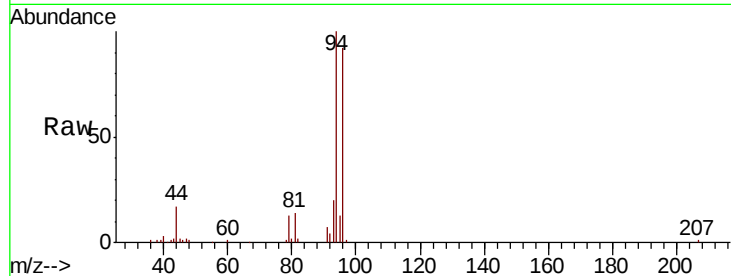
VN1207WBSD02

Tot Ion: 94 Resp: 77382

Ion Ratio Lower Upper

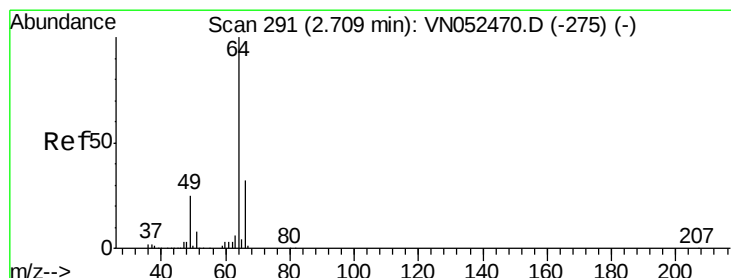
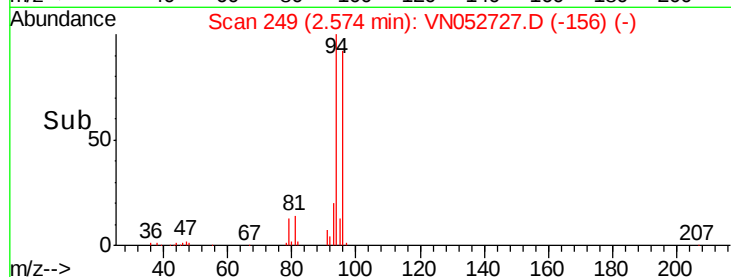
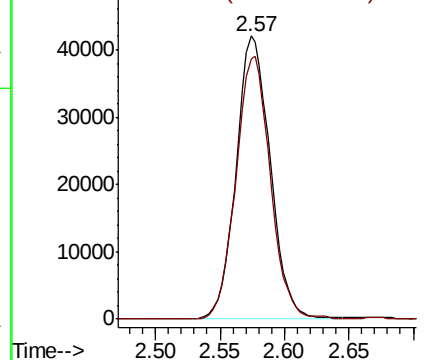
94 100

96 92.0 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.404 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052727.D

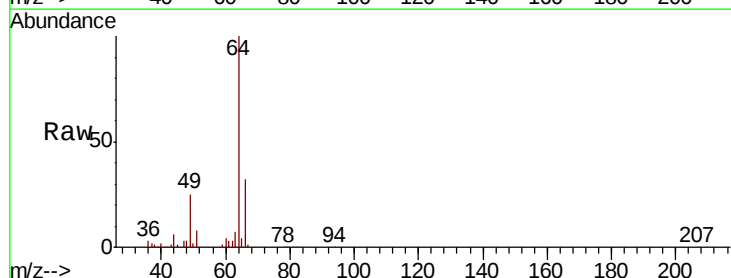
Acq: 7 Dec 2018 15:25

Tgt Ion: 64 Resp: 130962

Ion Ratio Lower Upper

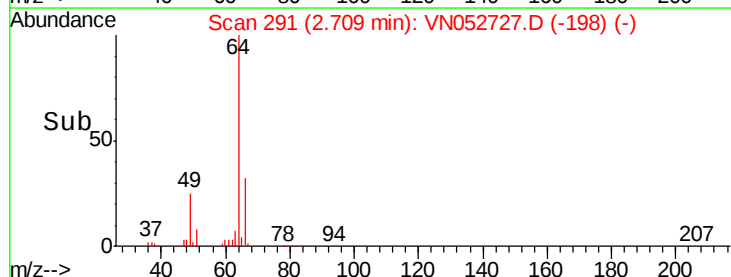
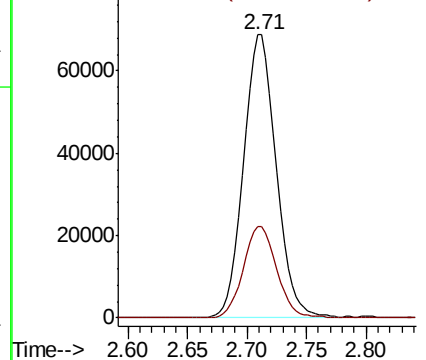
64 100

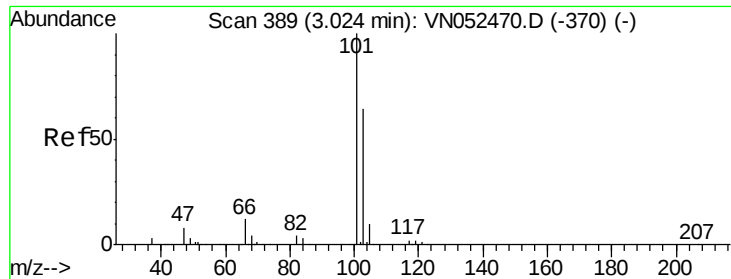
66 32.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



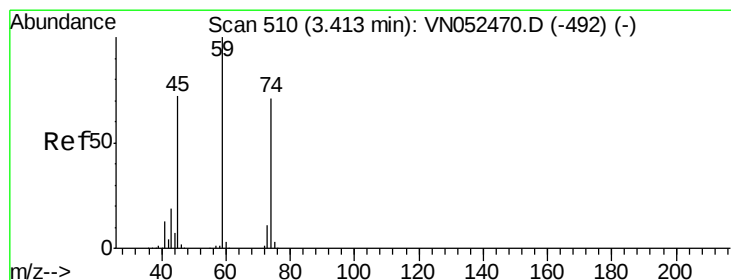
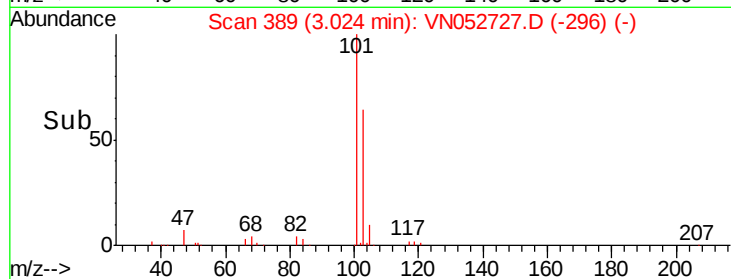
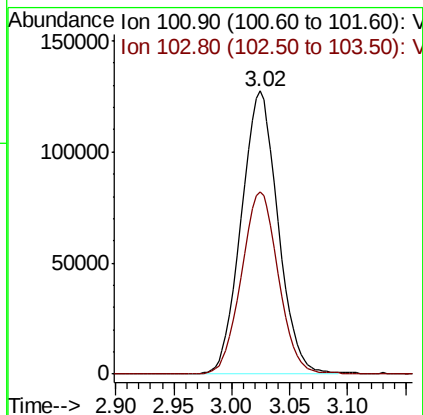
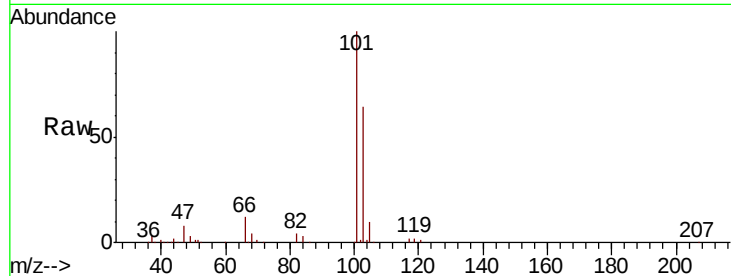


#7

Trichlorofluoromethane
 Concen: 19.493 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

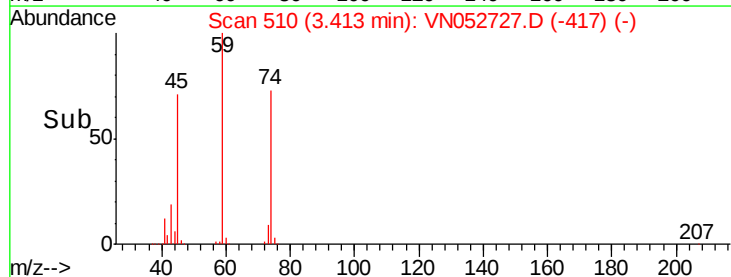
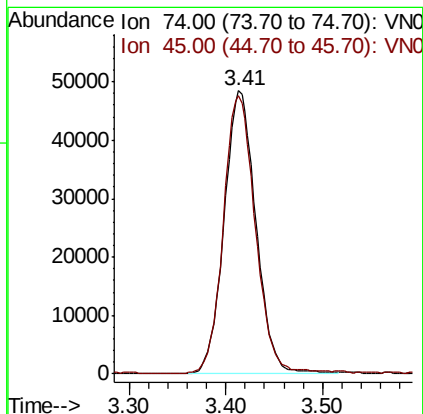
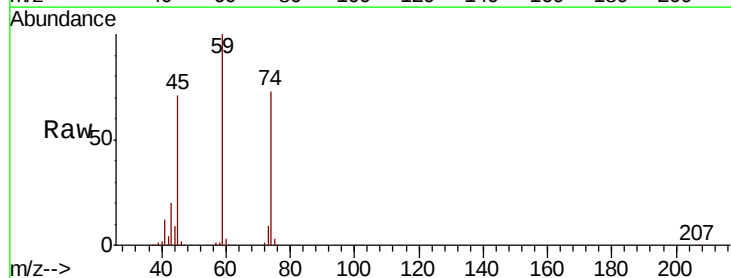
Tot Ion:101 Resp: 281295
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.4 77.2



#8

Diethyl Ether
 Concen: 20.793 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion: 74 Resp: 110809
 Ion Ratio Lower Upper
 74 100
 45 99.1 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.199 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

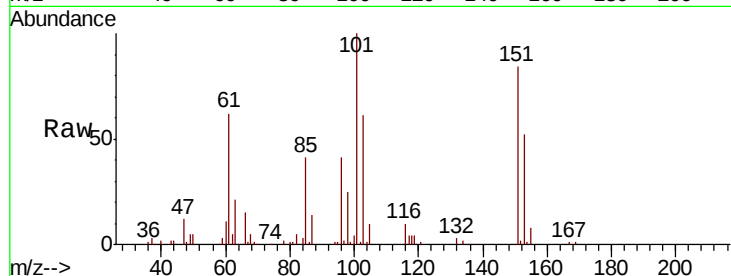
Tot Ion:101 Resp: 181886

Ion Ratio Lower Upper

101 100

85 41.8 34.2 51.4

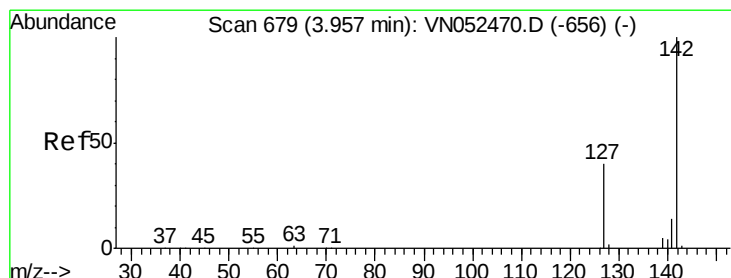
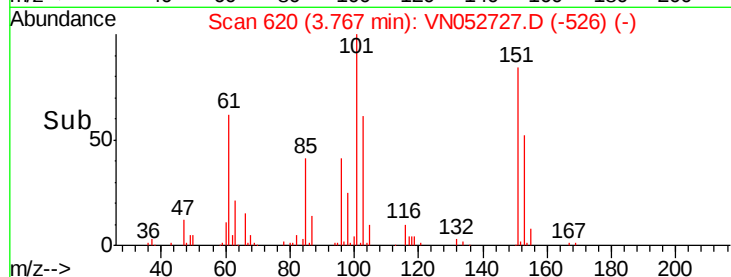
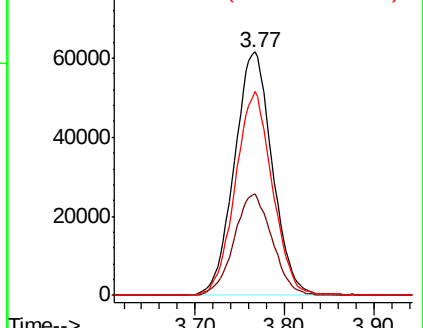
151 81.6 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 12.811 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

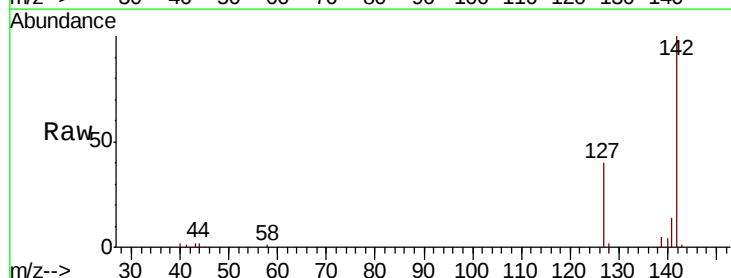
Tgt Ion:142 Resp: 153643

Ion Ratio Lower Upper

142 100

127 39.5 31.8 47.6

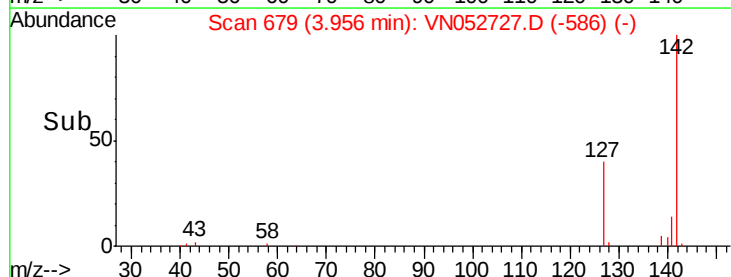
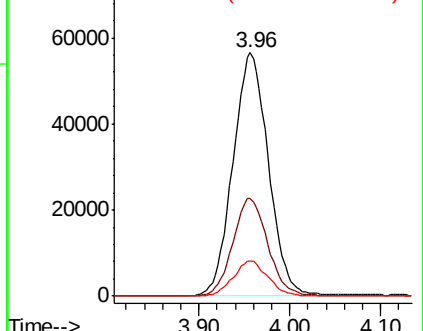
141 14.1 11.4 17.0

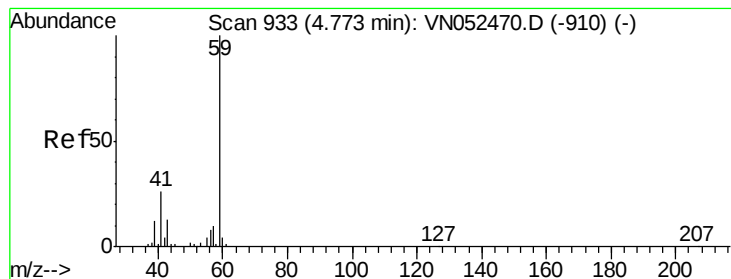


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



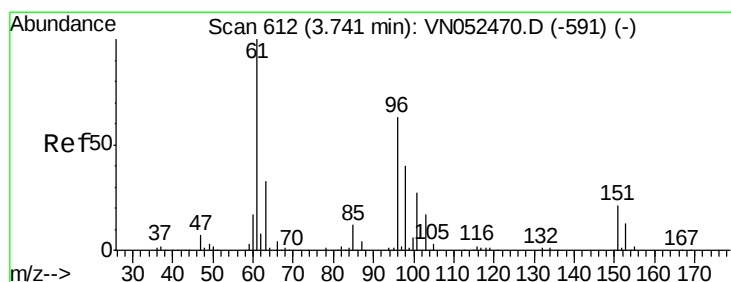
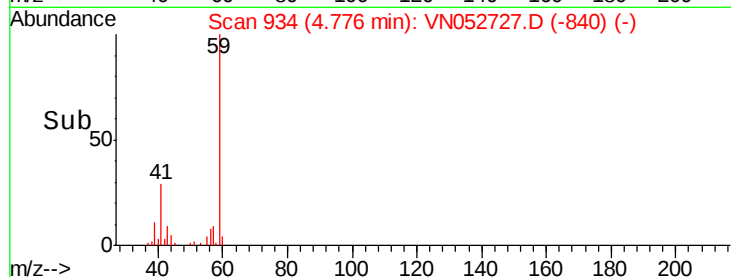
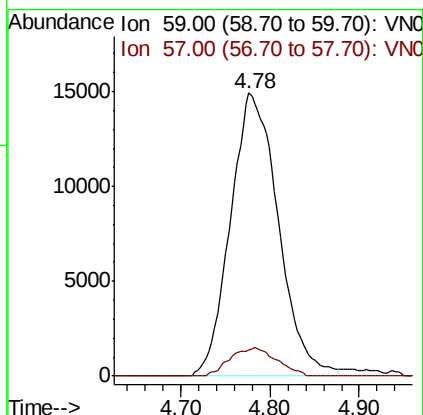
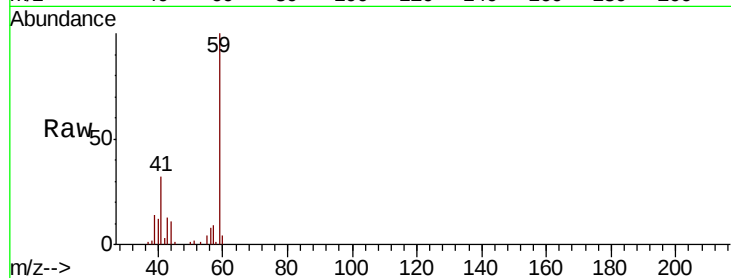


#11

Tert butyl alcohol
 Concen: 110.080 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

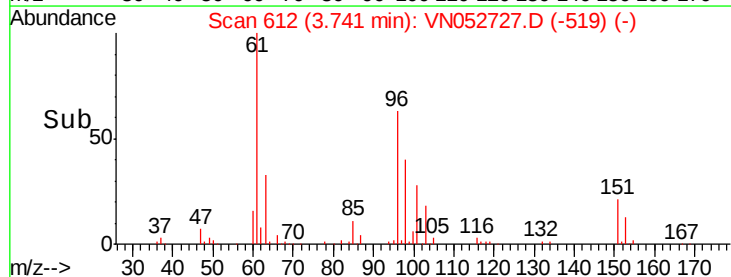
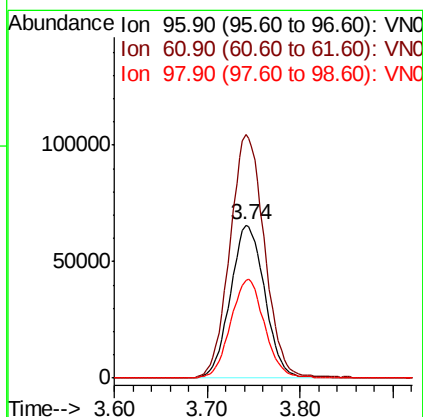
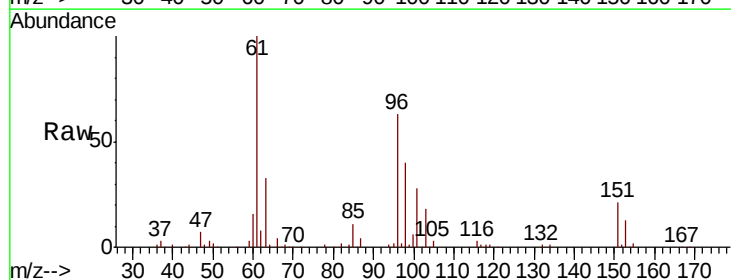
Tot Ion: 59 Resp: 55521
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.9 11.9

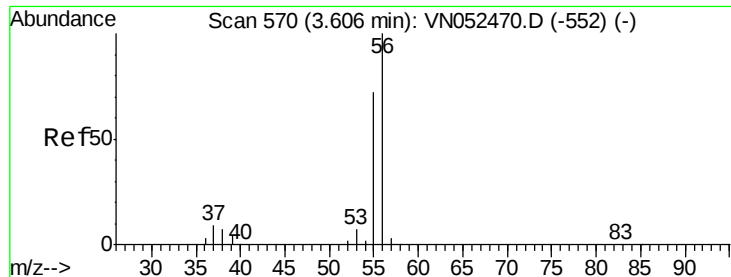


#12

1,1-Dichloroethene
 Concen: 19.517 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion: 96 Resp: 169169
 Ion Ratio Lower Upper
 96 100
 61 158.9 127.0 190.6
 98 63.8 50.3 75.5





#13

Acrolein

Concen: 36.222 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

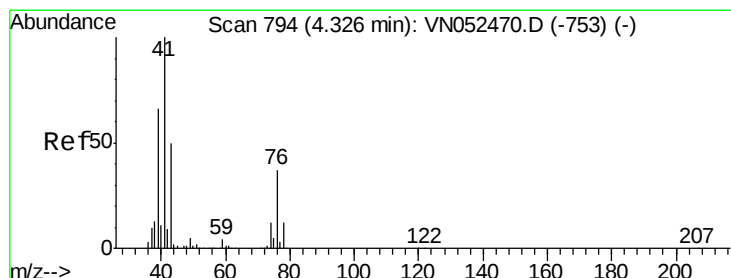
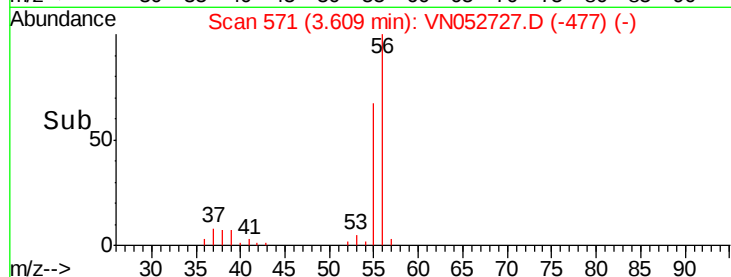
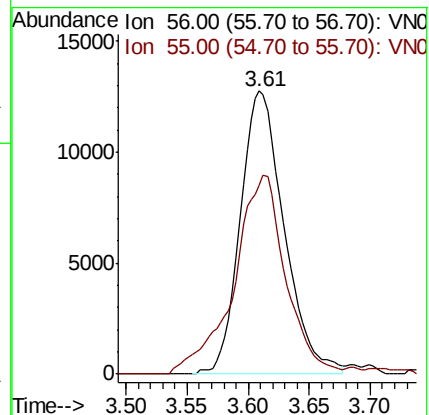
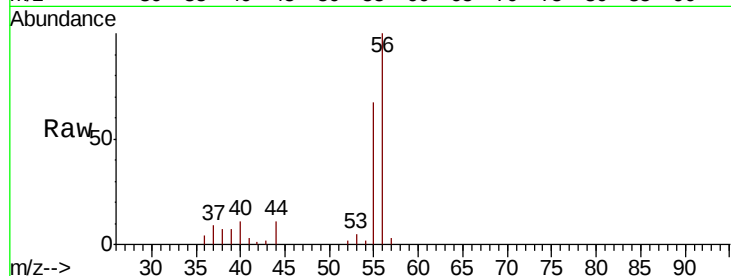
VN1207WBSD02

Tot Ion: 56 Resp: 31752

Ion Ratio Lower Upper

56 100

55 82.8 56.8 85.2



#14

Allyl chloride

Concen: 19.861 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

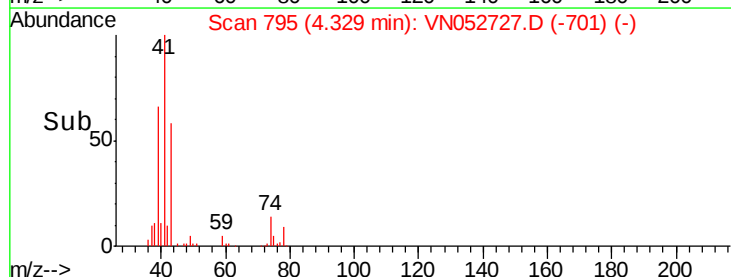
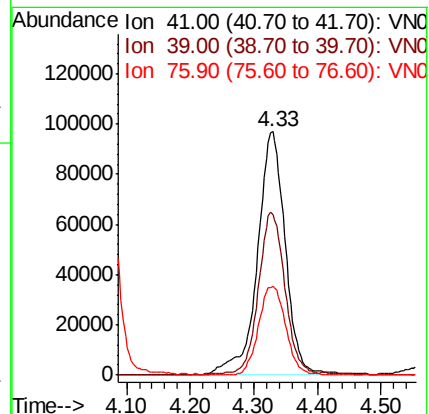
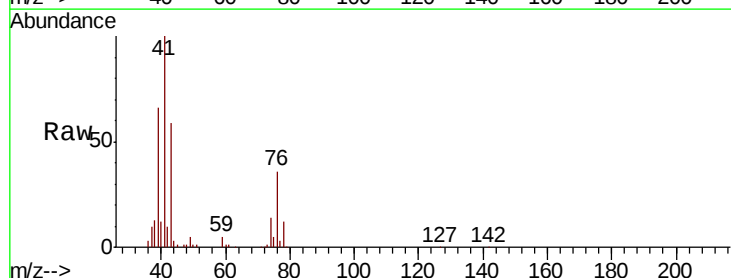
Tgt Ion: 41 Resp: 296700

Ion Ratio Lower Upper

41 100

39 64.0 50.6 76.0

76 35.0 27.4 41.2





#15

Acrylonitrile

Concen: 104.918 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

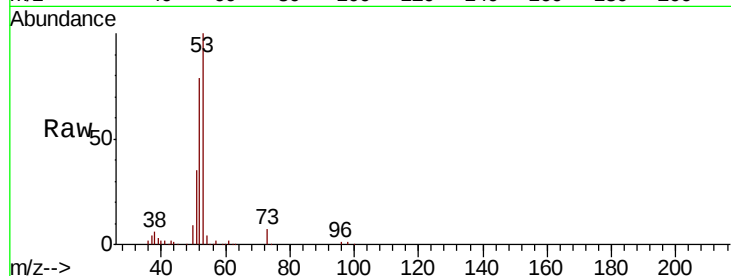
Tot Ion: 53 Resp: 334974

Ion Ratio Lower Upper

53 100

52 80.7 66.2 99.2

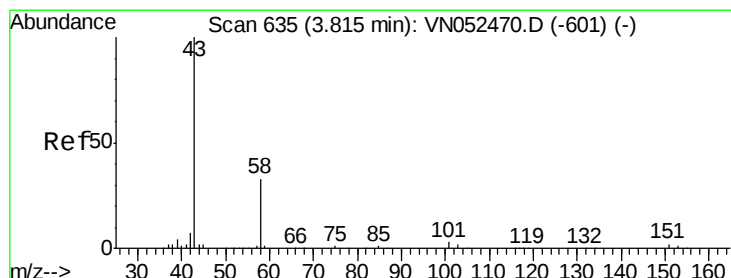
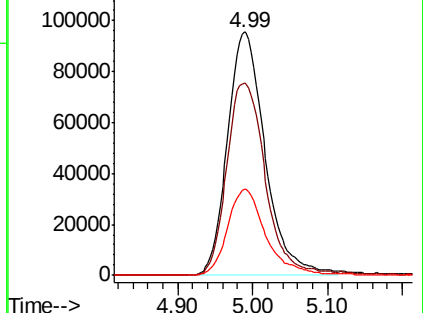
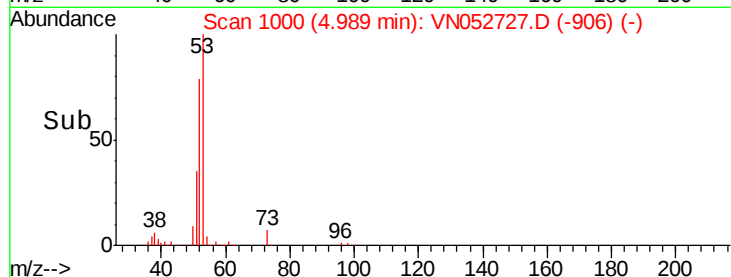
51 36.0 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052727.D (-1000) (-)

Ion 52.00 (51.70 to 52.70): VN052727.D (-1000) (-)

Ion 51.00 (50.70 to 51.70): VN052727.D (-1000) (-)



#16

Acetone

Concen: 106.515 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052727.D

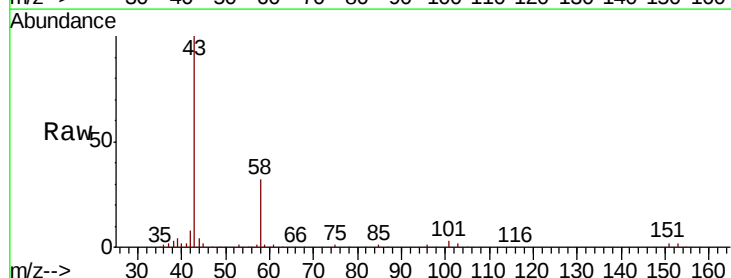
Acq: 7 Dec 2018 15:25

Tgt Ion: 43 Resp: 283046

Ion Ratio Lower Upper

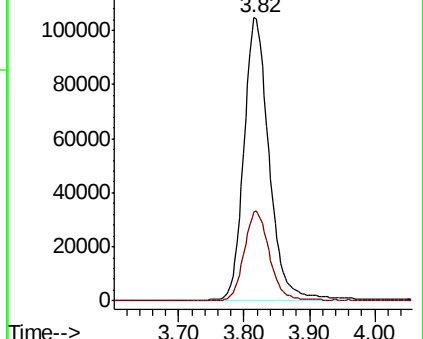
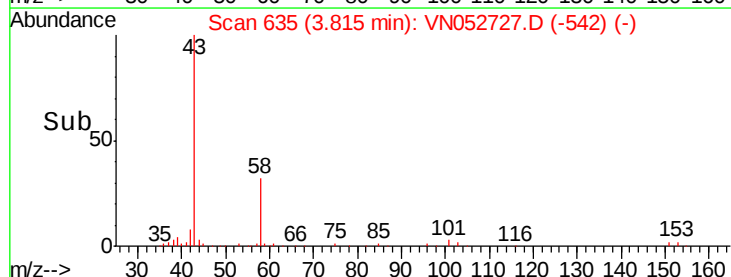
43 100

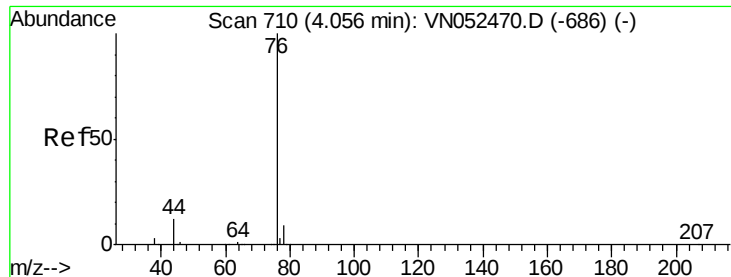
58 31.6 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052727.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN052727.D (-542) (-)





#17

Carbon Disulfide

Concen: 16.409 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

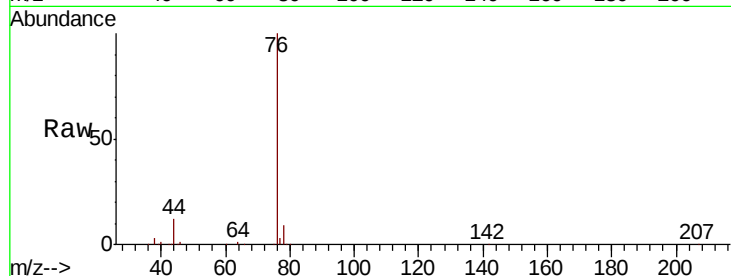
VN1207WBSD02

Tot Ion: 76 Resp: 447577

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

150000

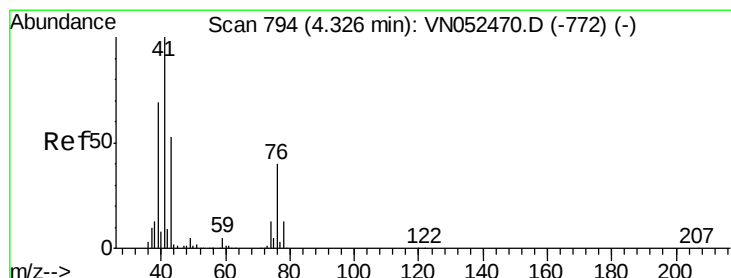
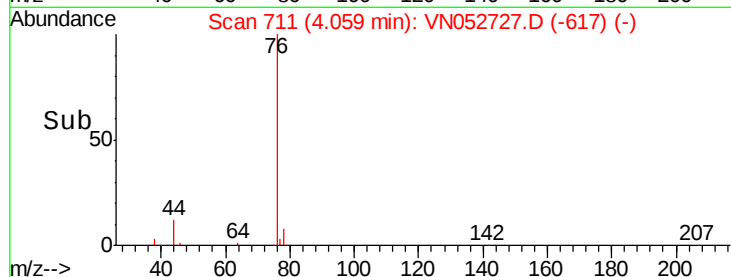
100000

50000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 22.185 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052727.D

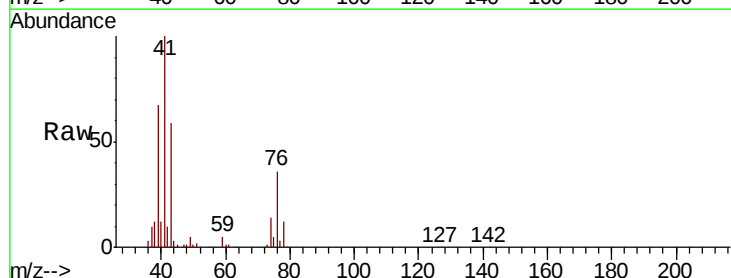
Acq: 7 Dec 2018 15:25

Tgt Ion: 43 Resp: 169107

Ion Ratio Lower Upper

43 100

74 23.9 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

60000

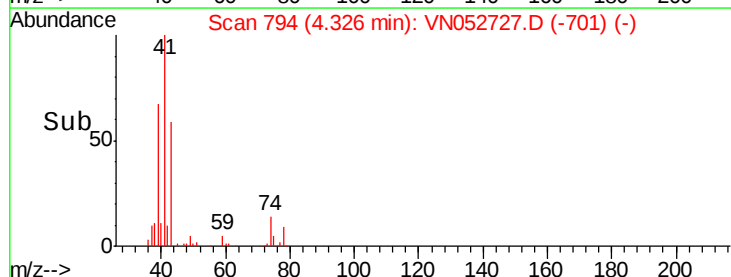
40000

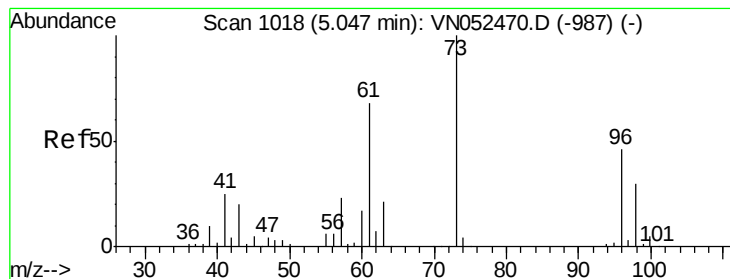
20000

0

Time-->

4.20 4.30 4.40





#19

Methyl tert-butyl Ether

Concen: 21.176 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

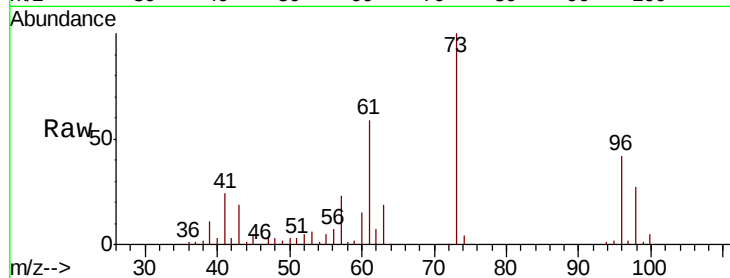
VN1207WBSD02

Tot Ion: 73 Resp: 488335

Ion Ratio Lower Upper

73 100

57 23.3 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VN052470.D (-987) (-)

Ion 57.00 (56.70 to 57.70): VN052470.D (-987) (-)

150000

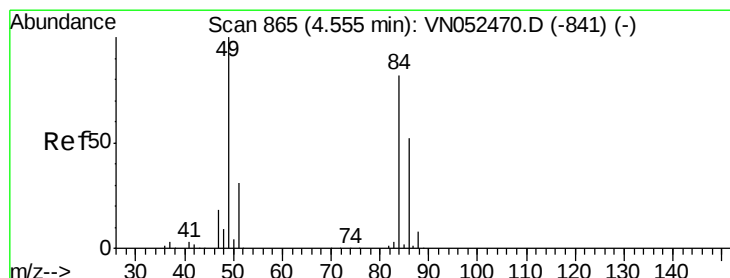
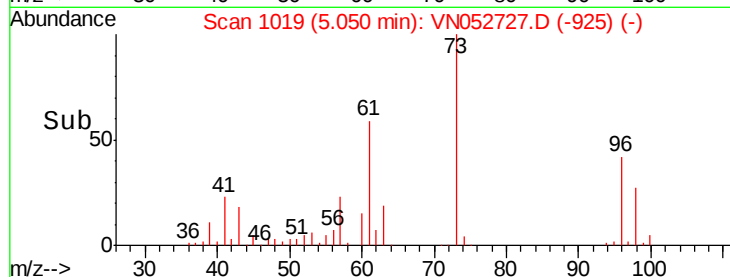
100000

50000

0

4.90 5.00 5.10 5.20

Time-->



#20

Methylene Chloride

Concen: 19.556 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Tgt Ion: 84 Resp: 203357

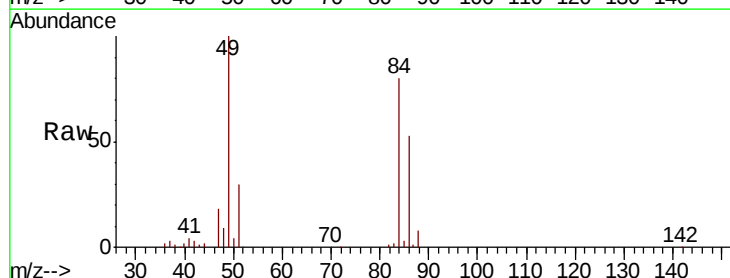
Ion Ratio Lower Upper

84 100

49 125.0 98.0 147.0

51 37.7 30.1 45.1

86 65.9 50.7 76.1



Abundance Ion 83.90 (83.60 to 84.60): VN052470.D (-841) (-)

Ion 48.90 (48.60 to 49.60): VN052470.D (-841) (-)

Ion 50.90 (50.60 to 51.60): VN052470.D (-841) (-)

Ion 85.90 (85.60 to 86.60): VN052470.D (-841) (-)

120000

100000

80000

60000

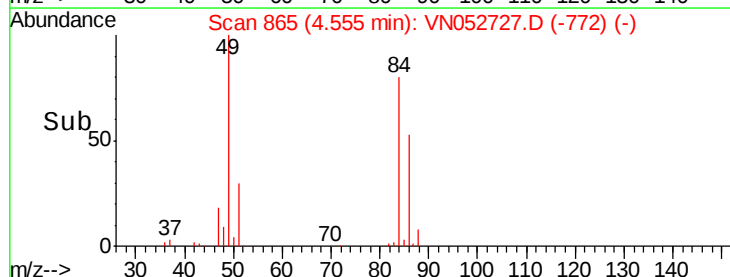
40000

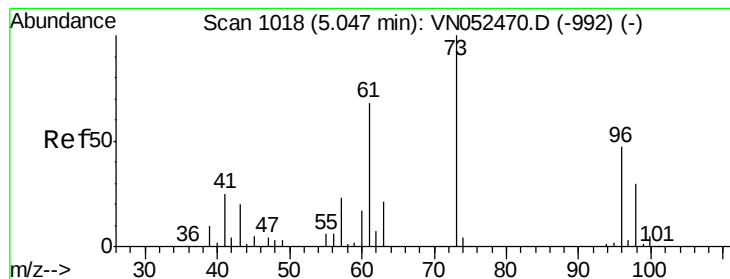
20000

0

4.40 4.50 4.60 4.70

Time-->





#21

trans-1,2-Dichloroethene

Concen: 19.494 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampled :

VN1207WBSD02

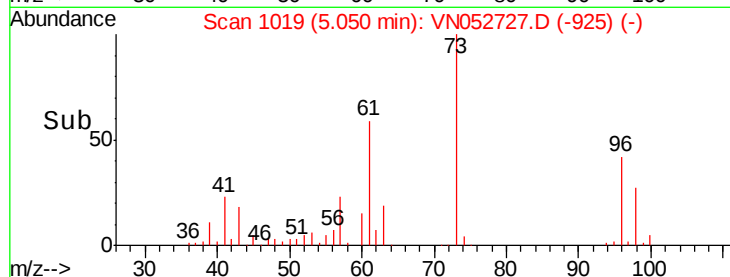
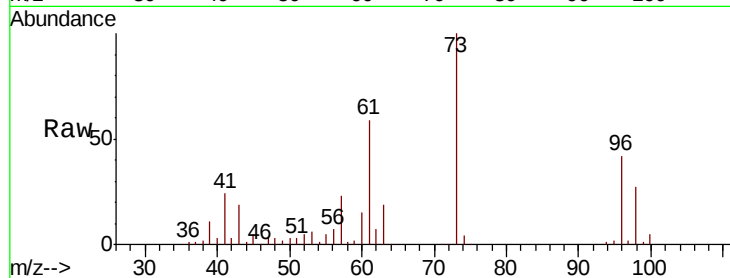
Tot Ion: 96 Resp: 180460

Ion Ratio Lower Upper

96 100

61 140.1 117.0 175.4

98 64.1 51.8 77.6

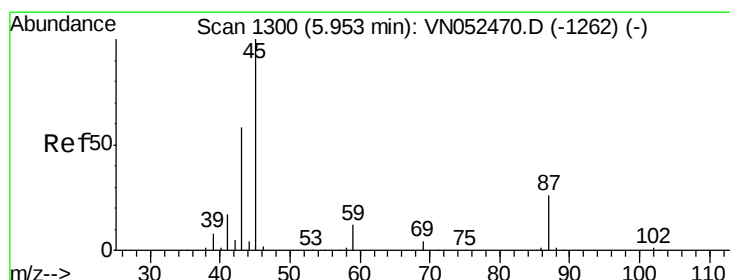
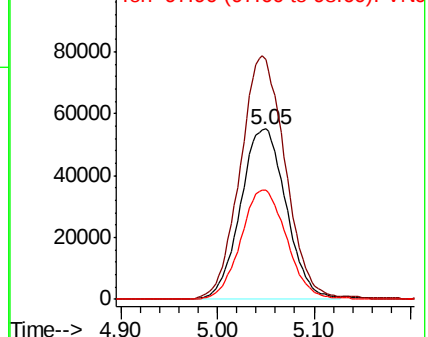


Abundance

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: 20.504 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Tgt Ion: 45 Resp: 643396

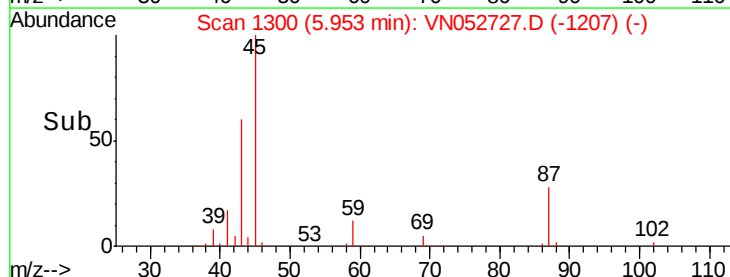
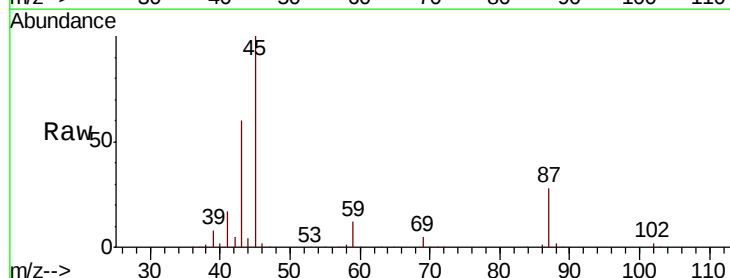
Ion Ratio Lower Upper

45 100

43 58.2 46.1 69.1

87 27.5 21.3 31.9

59 11.8 9.5 14.3



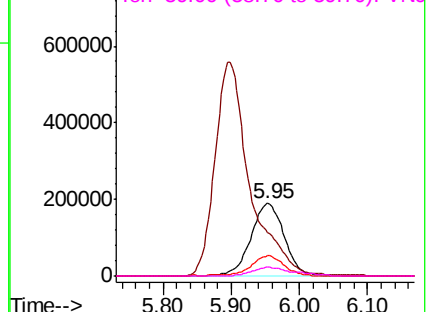
Abundance

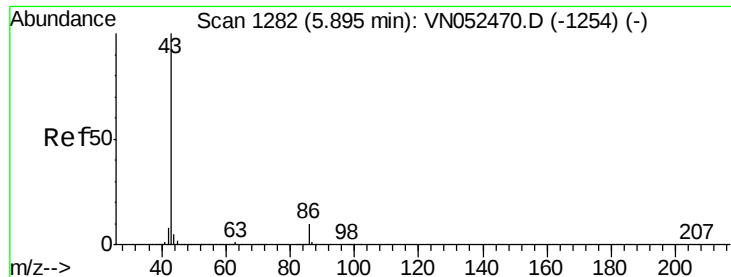
Ion 45.00 (44.70 to 45.70): VNC

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: 101.662 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

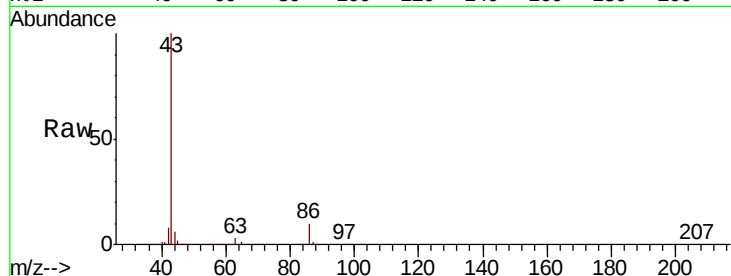
VN1207WBSD02

Tot Ion: 43 Resp: 1986937

Ion Ratio Lower Upper

43 100

86 10.2 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

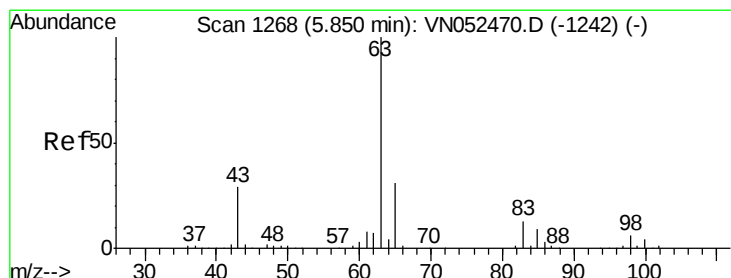
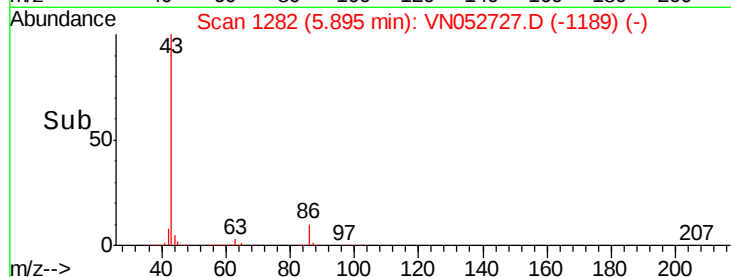
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.544 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

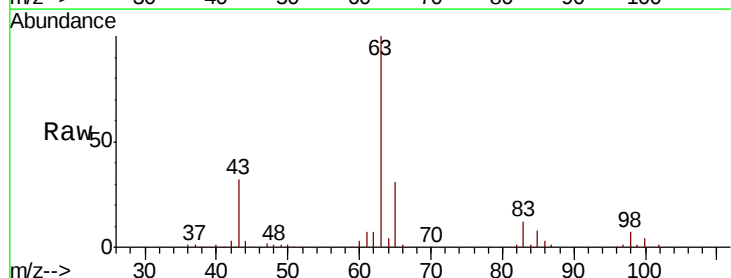
Tgt Ion: 63 Resp: 368082

Ion Ratio Lower Upper

63 100

98 7.1 3.0 9.2

100 4.2 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

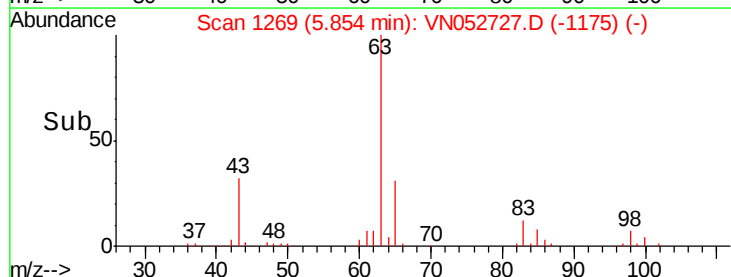
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 102.562 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampled :

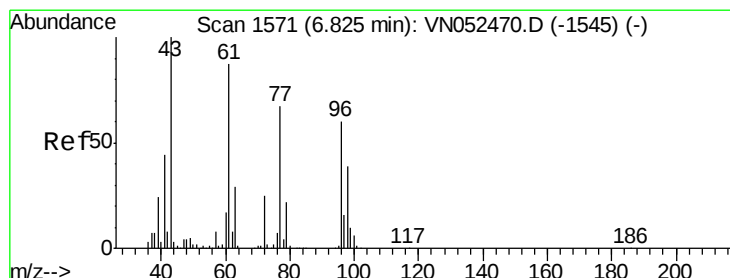
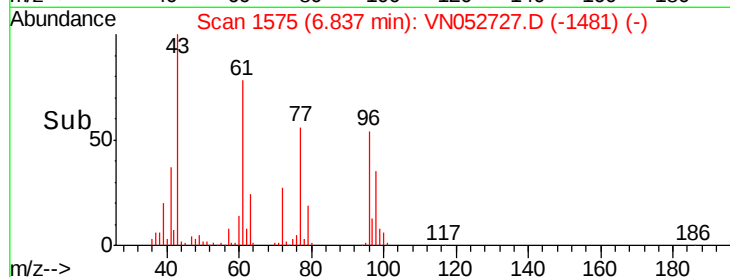
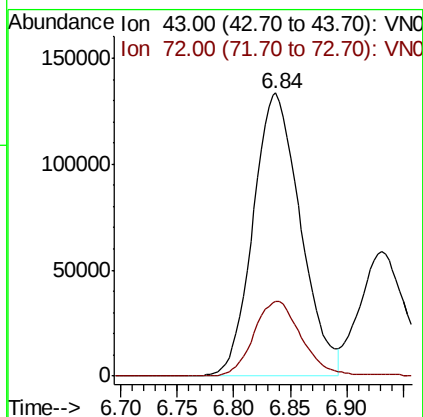
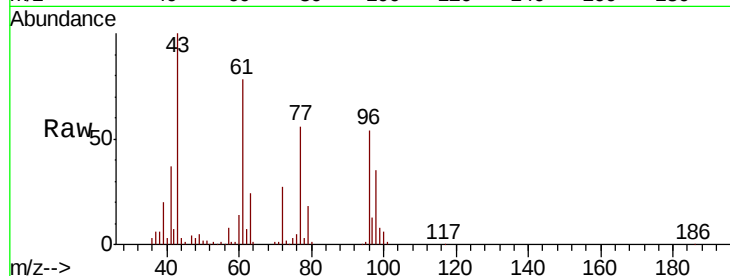
VN1207WBSD02

Tot Ion: 43 Resp: 386297

Ion Ratio Lower Upper

43 100

72 26.6 20.1 30.1



#26

2,2-Dichloropropane

Concen: 21.565 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052727.D

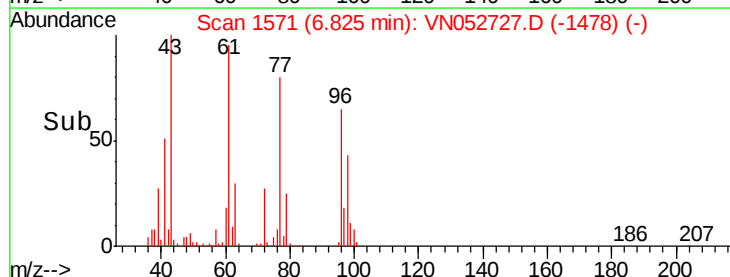
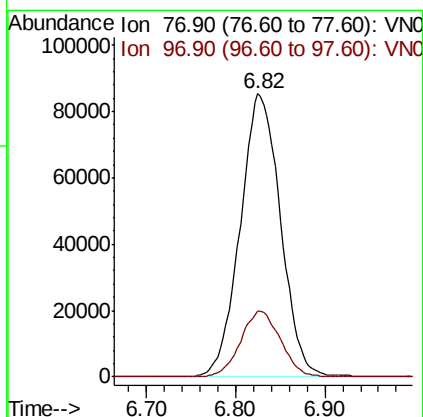
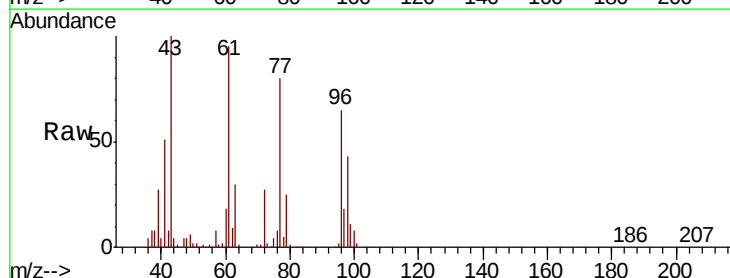
Acq: 7 Dec 2018 15:25

Tgt Ion: 77 Resp: 267423

Ion Ratio Lower Upper

77 100

97 23.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.059 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

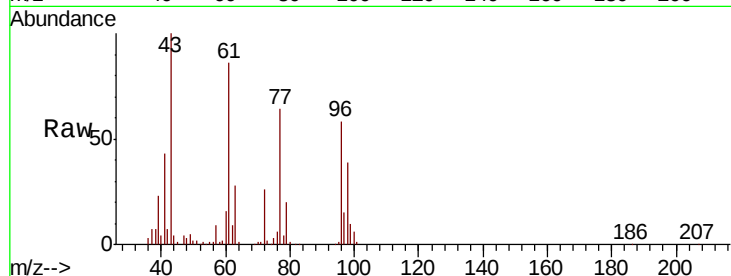
Tot Ion: 96 Resp: 216307

Ion Ratio Lower Upper

96 100

61 147.9 0.0 291.0

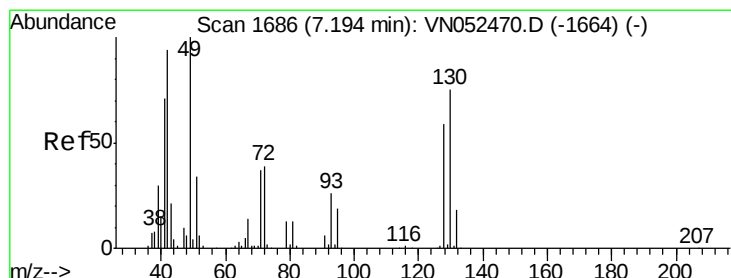
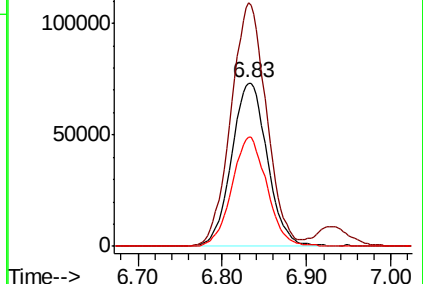
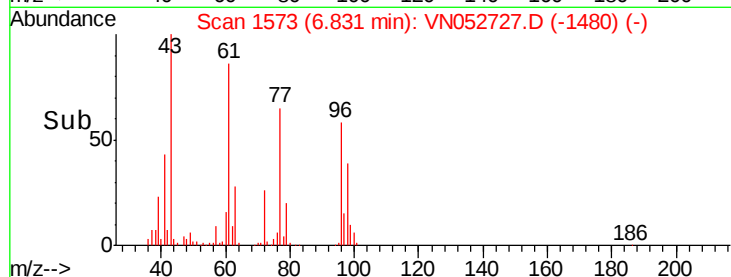
98 65.6 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN052727.D (-1547) (-)

Ion 60.90 (60.60 to 61.60): VN052727.D (-1547) (-)

Ion 97.90 (97.60 to 98.60): VN052727.D (-1547) (-)



#28

Bromochloromethane

Concen: 19.266 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

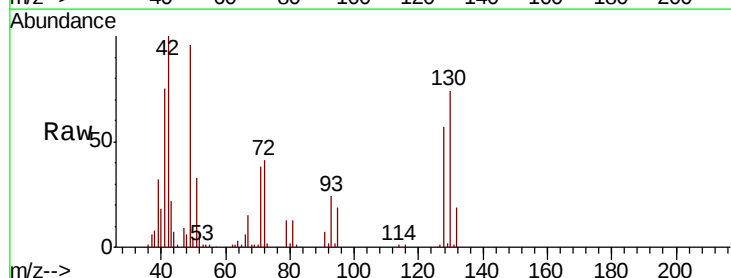
Tgt Ion: 49 Resp: 157656

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

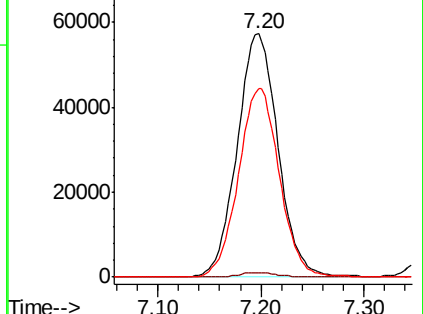
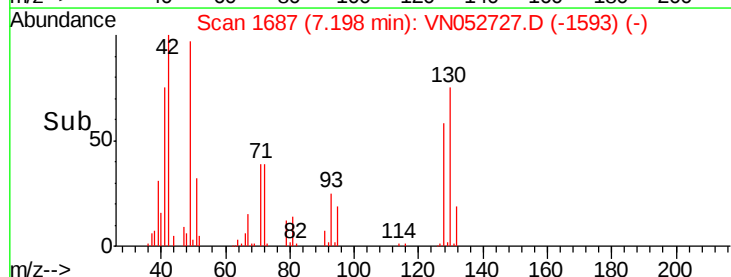
130 77.9 60.2 90.2

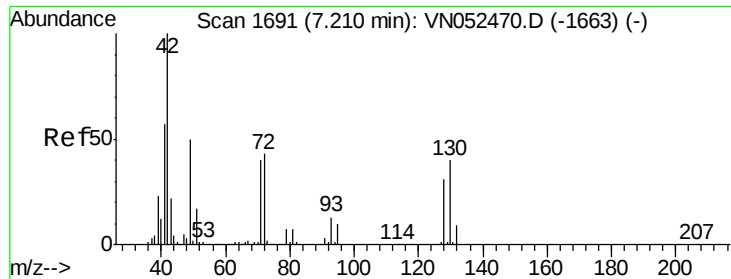


Abundance Ion 48.90 (48.60 to 49.60): VN052727.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN052727.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052727.D (-1593) (-)

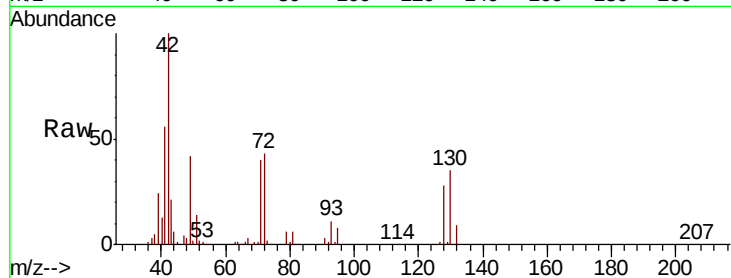




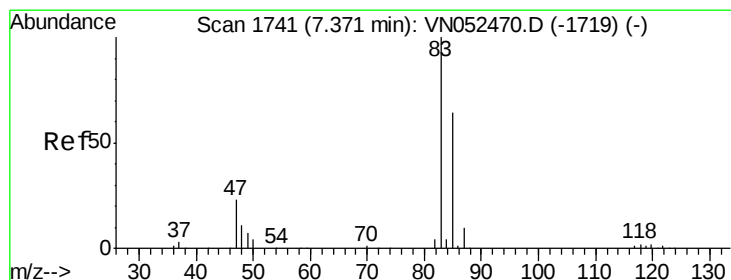
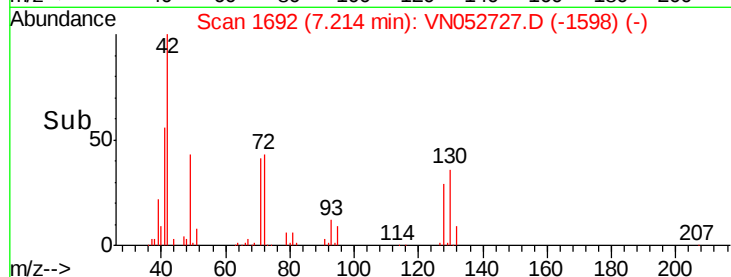
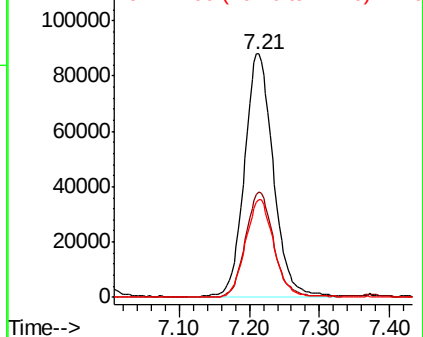
#29
Tetrahydrofuran
Concen: 102.543 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tot Ion: 42 Resp: 249113
Ion Ratio Lower Upper
42 100
72 42.6 33.3 49.9
71 39.9 32.0 48.0

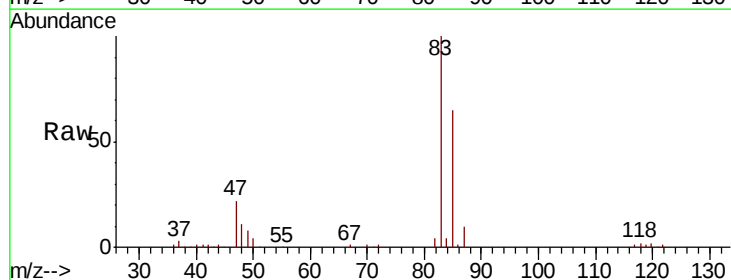


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

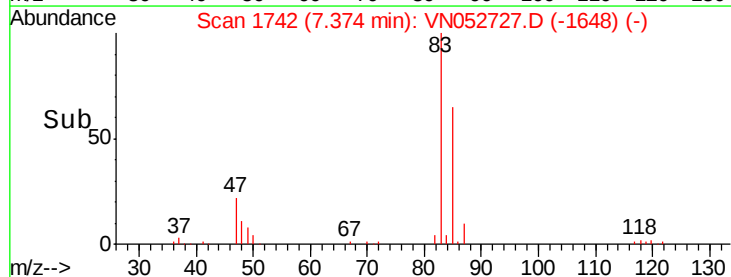
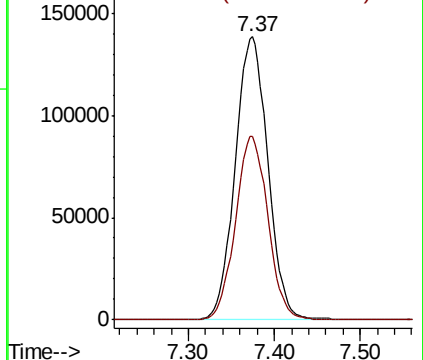


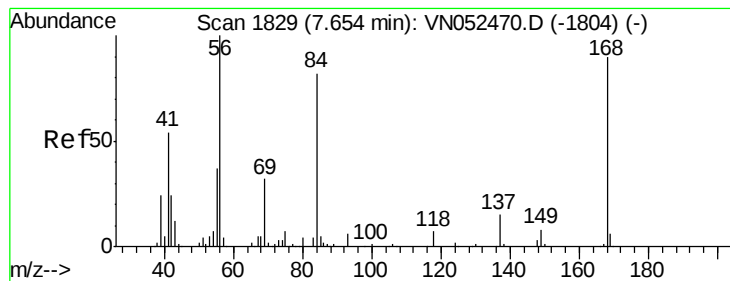
#30
Chloroform
Concen: 20.480 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion: 83 Resp: 366079
Ion Ratio Lower Upper
83 100
85 64.7 51.0 76.4



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





#31

Cyclohexane

Concen: 18.763 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

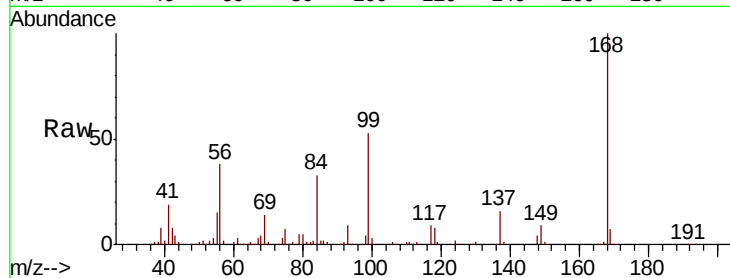
Tot Ion: 56 Resp: 329324

Ion Ratio Lower Upper

56 100

69 37.3 25.8 38.6

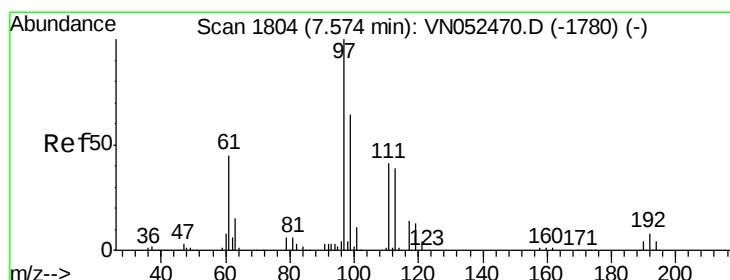
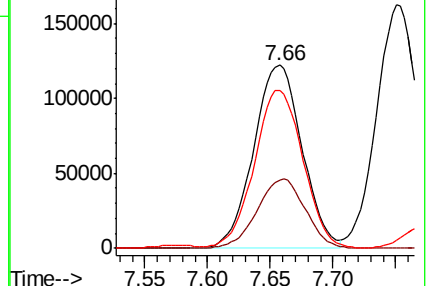
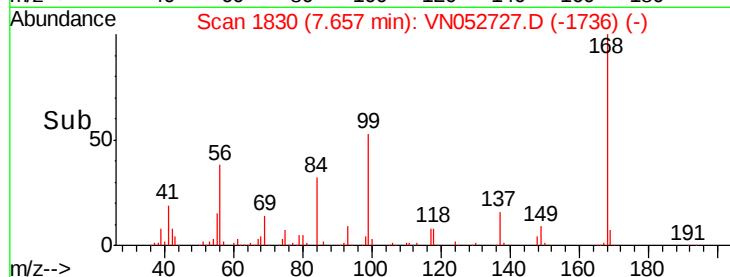
84 85.2 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN052727.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN052727.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN052727.D (-1736) (-)



#32

1,1,1-Trichloroethane

Concen: 20.523 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

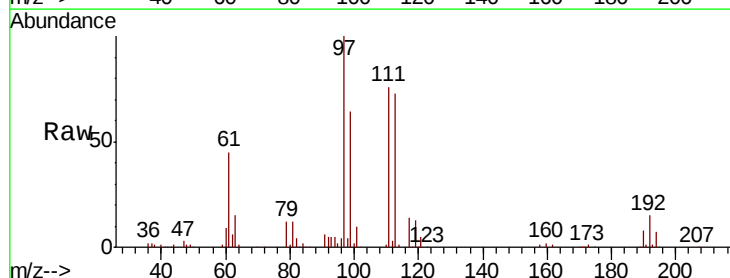
Tgt Ion: 97 Resp: 290663

Ion Ratio Lower Upper

97 100

99 65.0 51.7 77.5

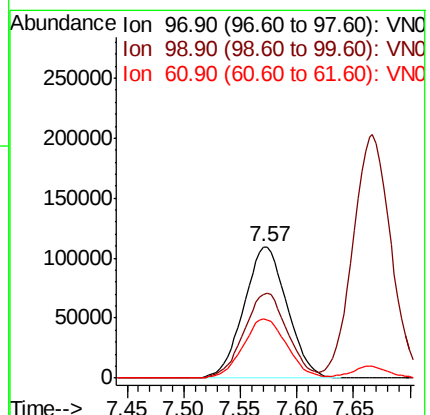
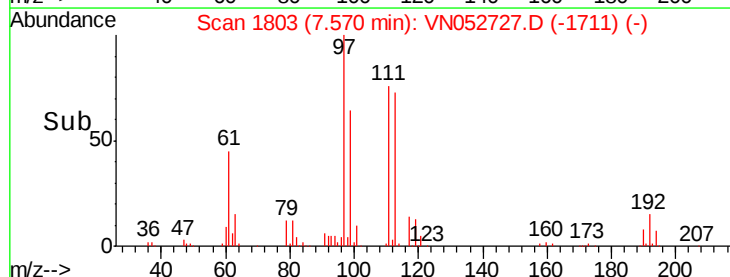
61 45.6 36.8 55.2

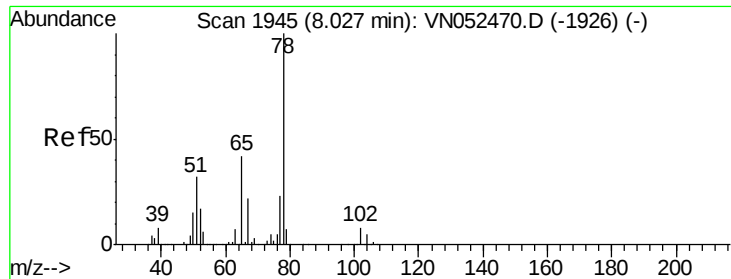


Abundance Ion 96.90 (96.60 to 97.60): VN052727.D (-1711) (-)

Ion 98.90 (98.60 to 99.60): VN052727.D (-1711) (-)

Ion 60.90 (60.60 to 61.60): VN052727.D (-1711) (-)

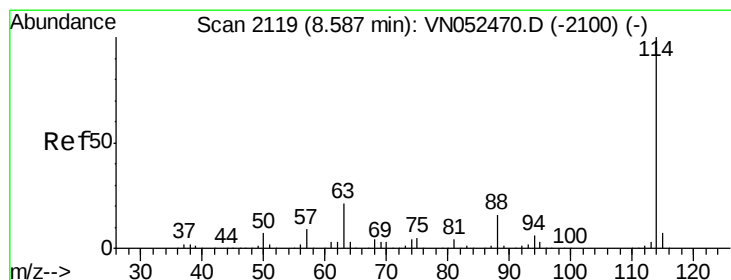
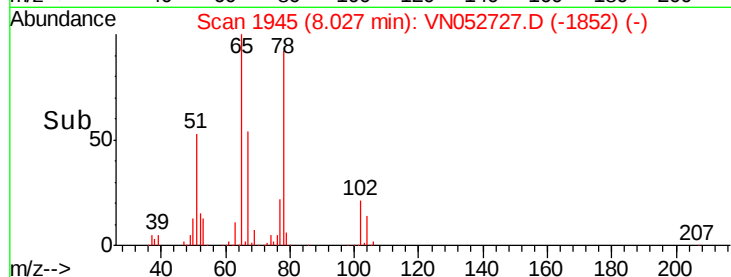
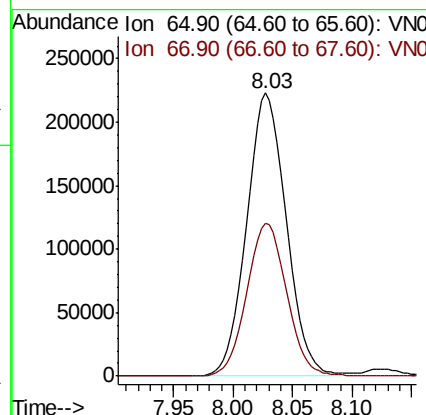
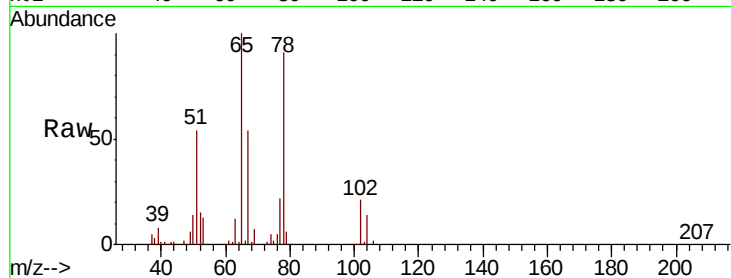




#33
 1,2-Dichloroethane-d4
 Concen: 20.523 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

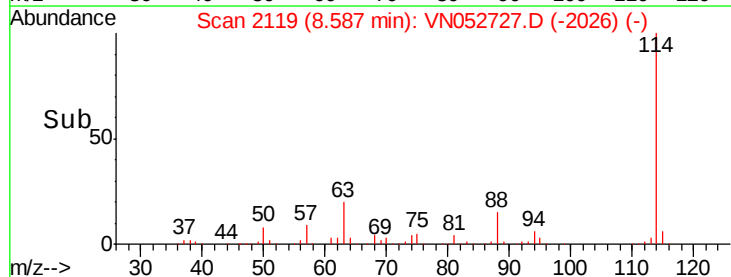
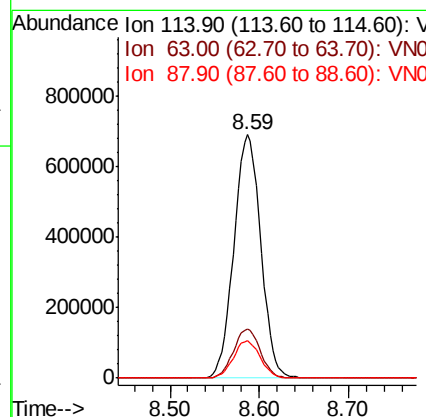
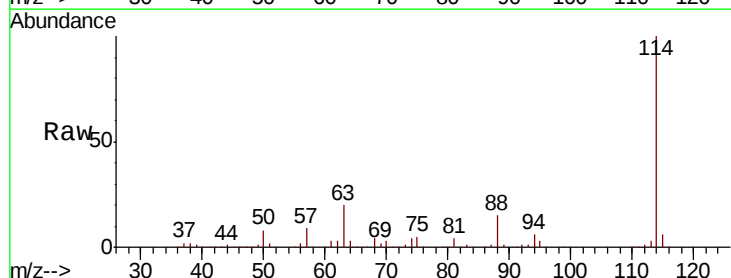
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

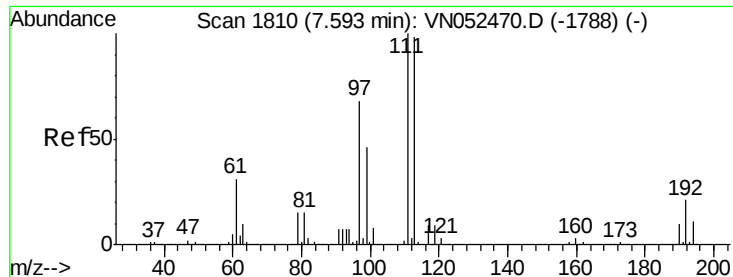
Tot Ion: 65 Resp: 514632
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion: 114 Resp: 1441848
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.2 0.0 31.6

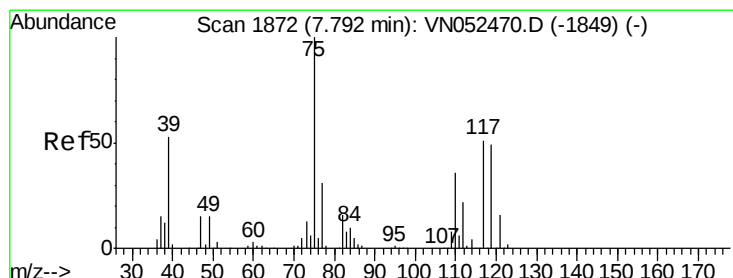
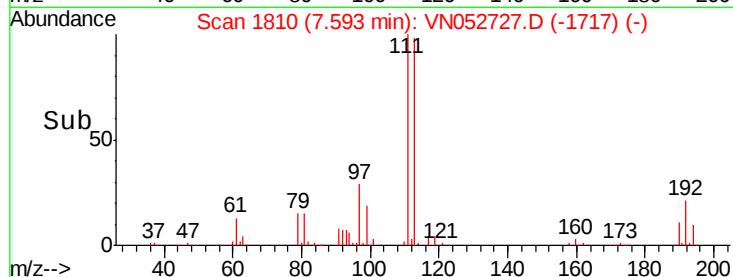
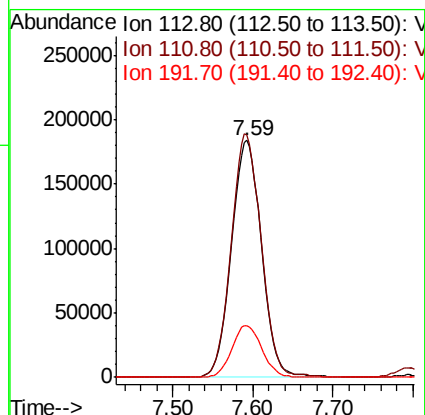
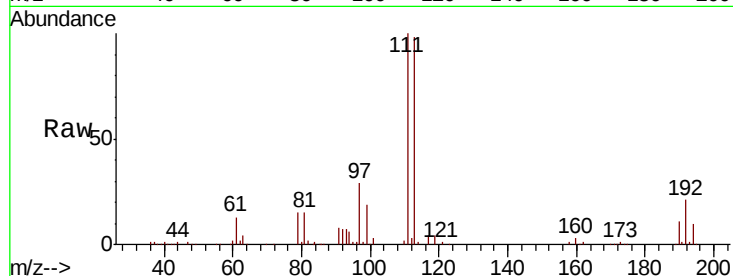




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

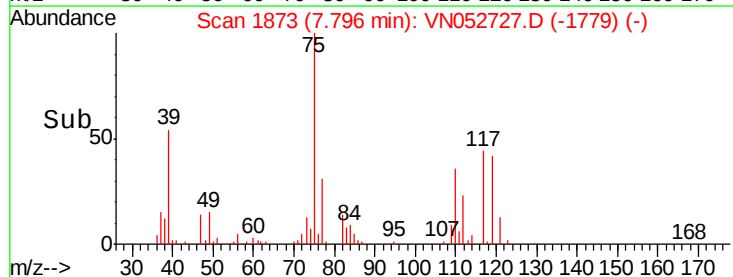
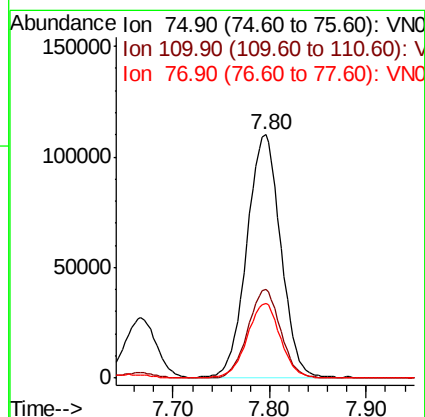
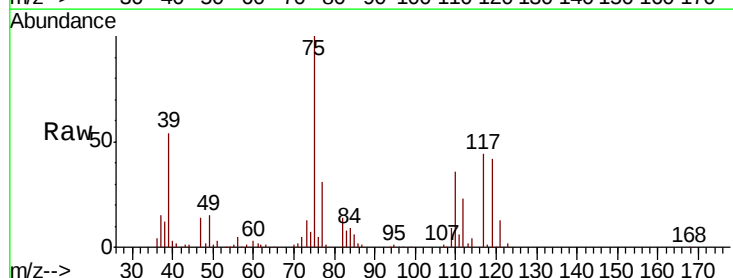
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

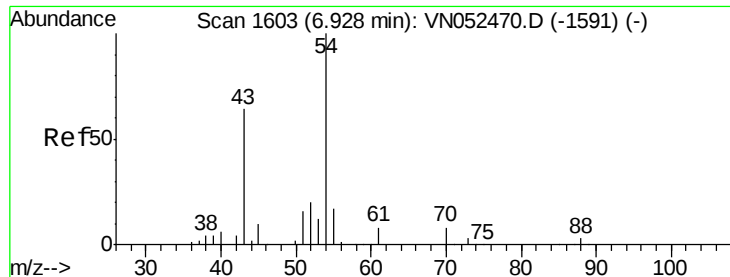
Tot Ion:113 Resp: 469033
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.0 123.0
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 19.567 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion: 75 Resp: 266423
 Ion Ratio Lower Upper
 75 100
 110 35.4 17.5 52.6
 77 30.5 24.5 36.7

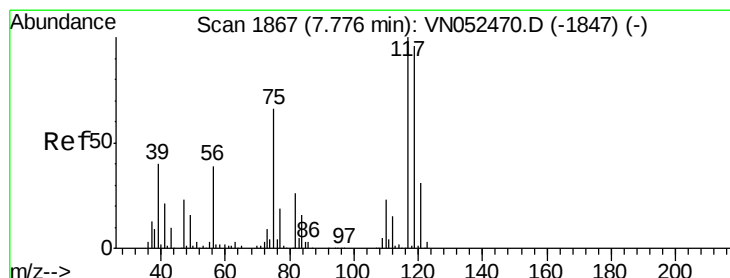
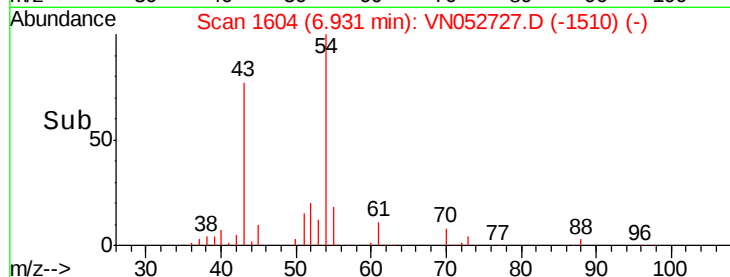
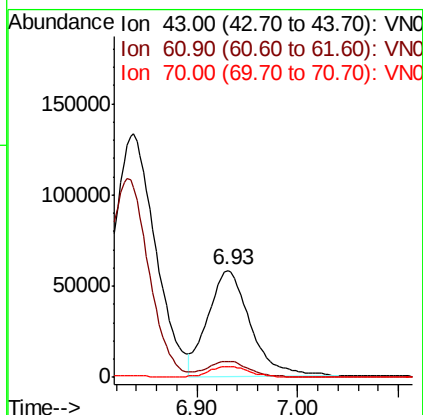
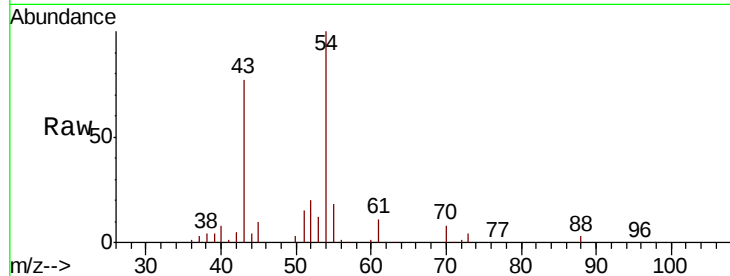




#37
Ethyl Acetate
Concen: 20.454 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

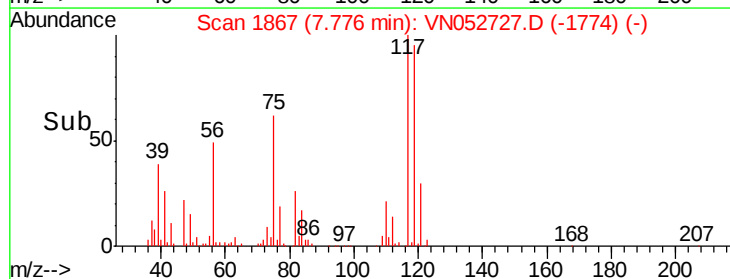
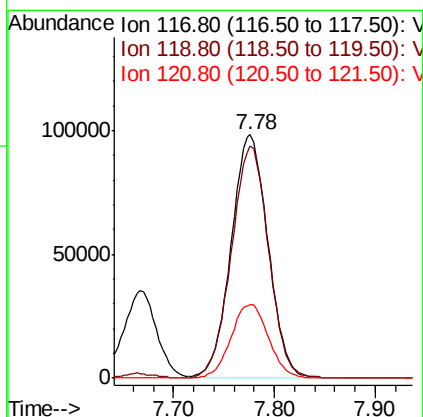
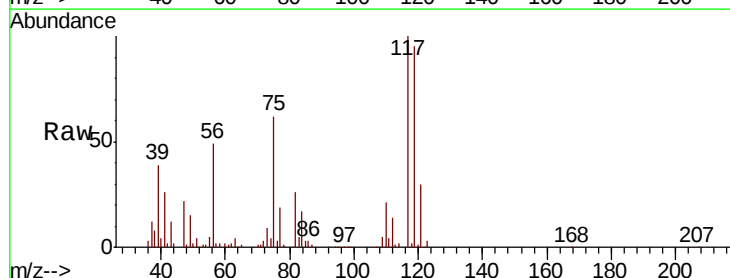
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

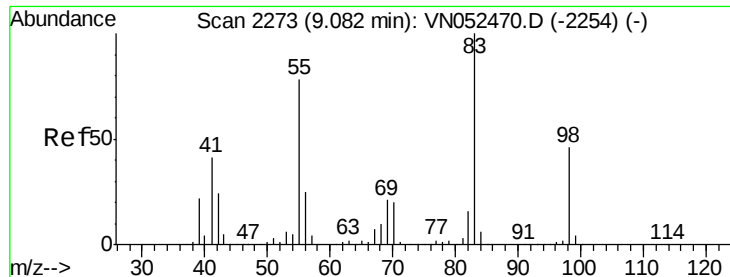
Tot Ion: 43 Resp: 169965
Ion Ratio Lower Upper
43 100
61 14.2 11.8 17.8
70 10.2 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.286 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion: 117 Resp: 250042
Ion Ratio Lower Upper
117 100
119 95.2 76.8 115.2
121 30.3 24.9 37.3

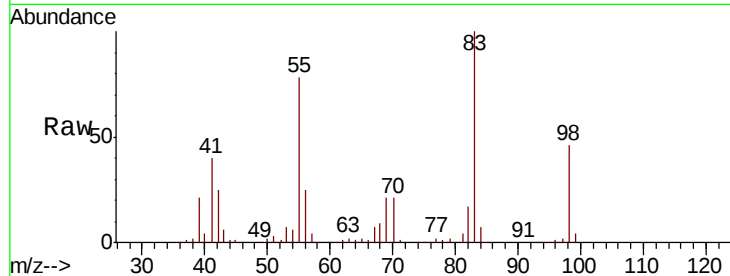




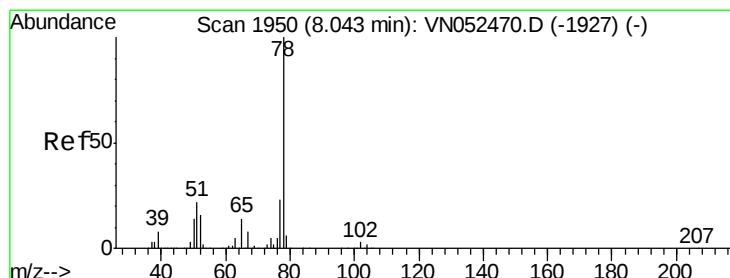
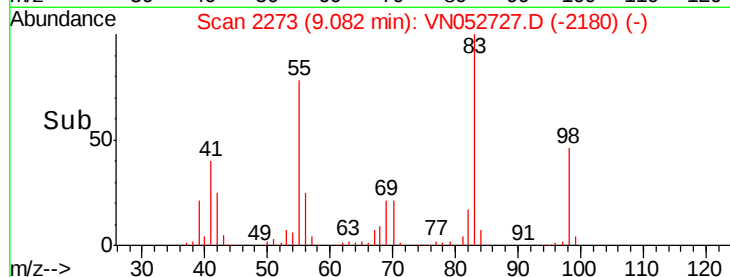
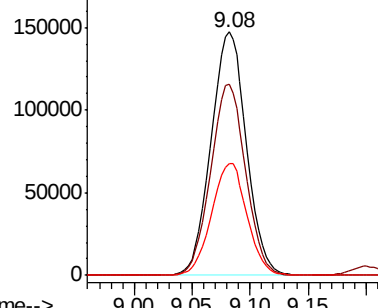
#39
Methvlcvclohexane
Concen: 18.820 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tot Ion: 83 Resp: 311458
Ion Ratio Lower Upper
83 100
55 78.3 62.2 93.2
98 46.0 36.4 54.6

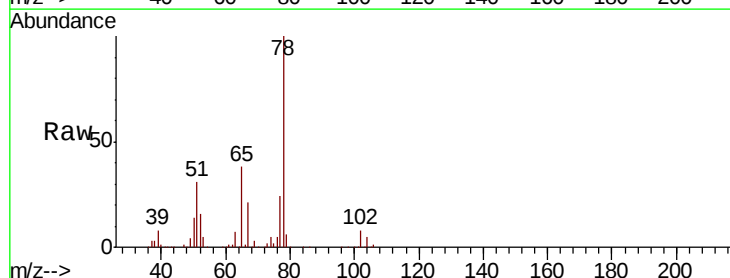


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

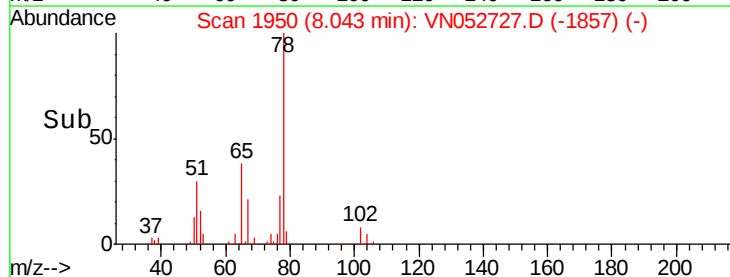
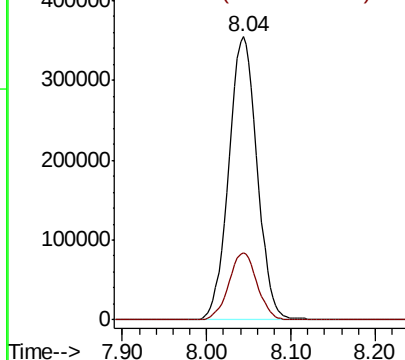


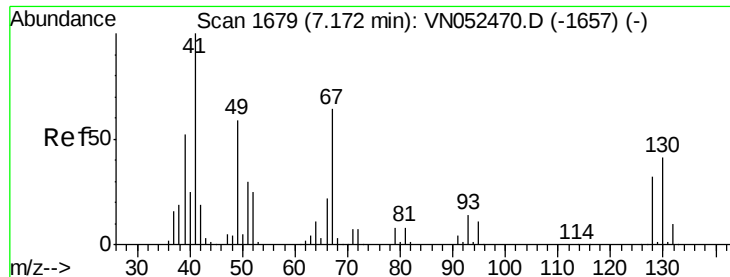
#40
Benzene
Concen: 20.400 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion: 78 Resp: 827800
Ion Ratio Lower Upper
78 100
77 23.5 18.8 28.2



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

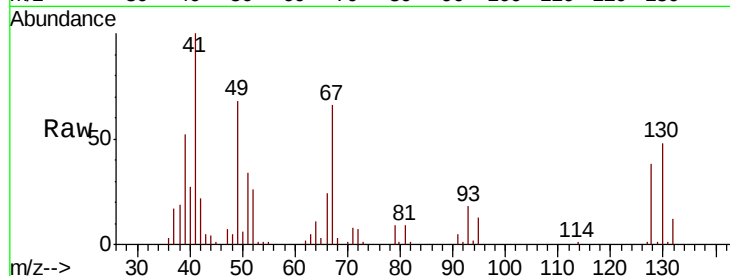




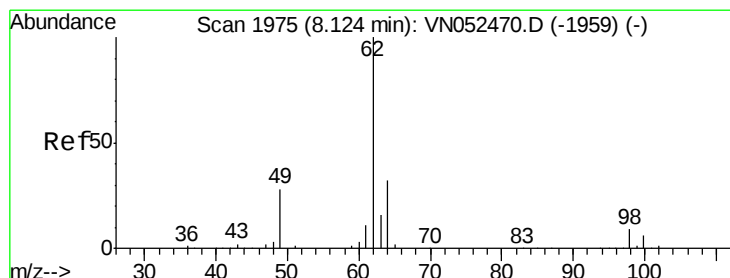
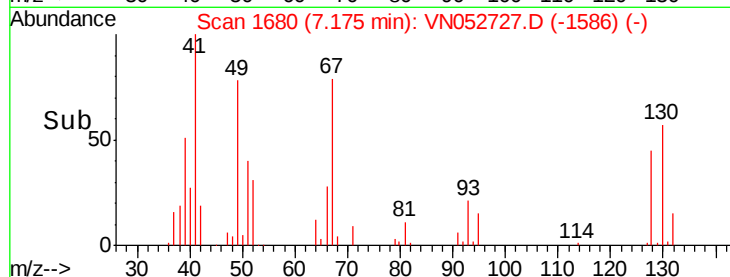
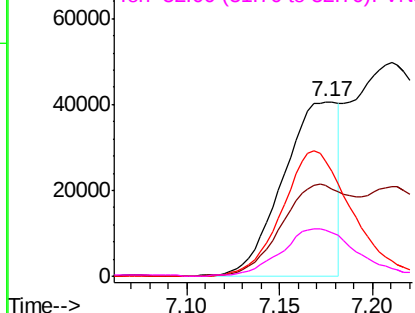
#41
Methacrylonitrile
Concen: 18.498 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tot Ion: 41 Resp: 84035
Ion Ratio Lower Upper
41 100
39 65.7 50.9 76.3
67 91.6 63.6 95.4
52 37.8 24.4 36.6#

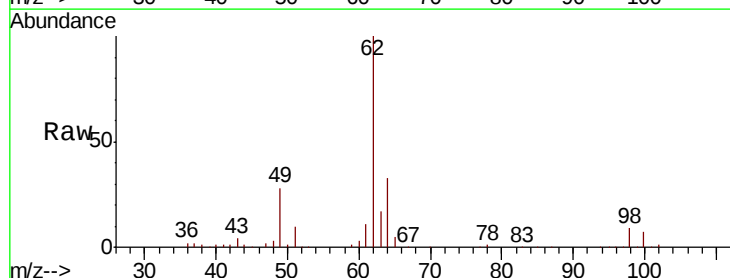


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

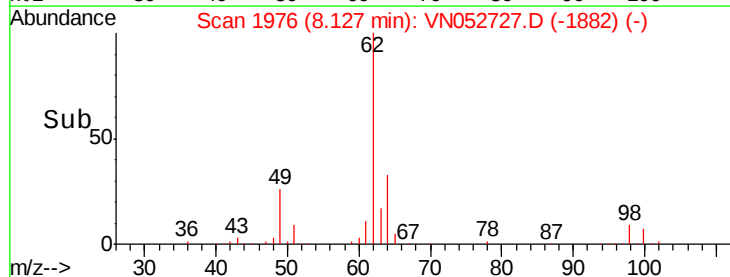
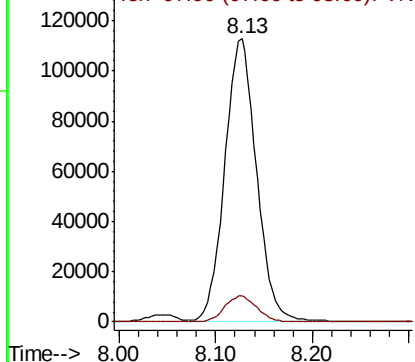


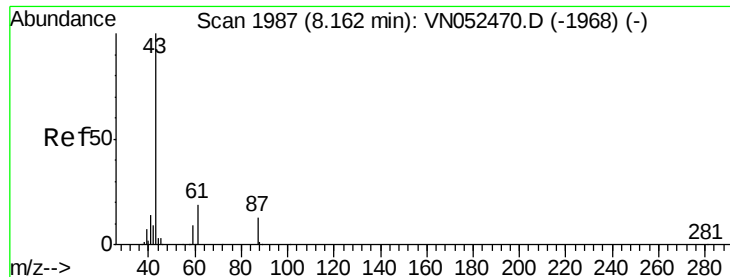
#42
1,2-Dichloroethane
Concen: 20.817 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion: 62 Resp: 255771
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.6



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





#43

Isopropyl Acetate

Concen: 22.167 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

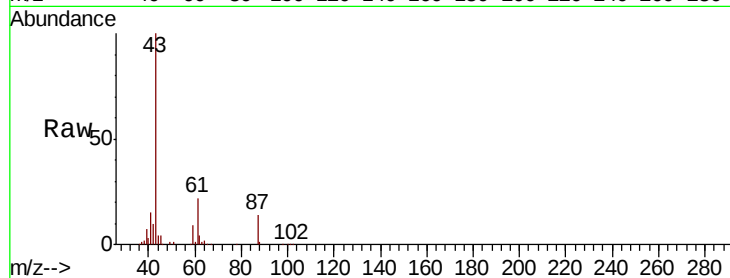
Tot Ion: 43 Resp: 311713

Ion Ratio Lower Upper

43 100

61 28.1 24.1 36.1

87 12.5 10.6 15.8

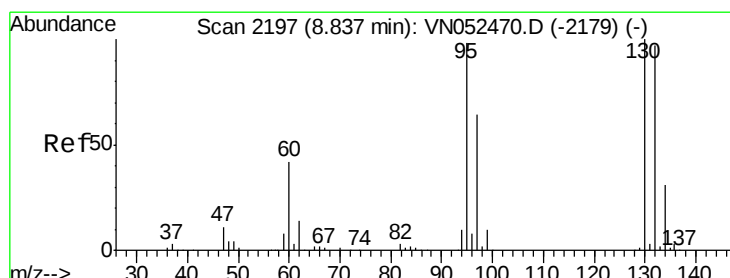
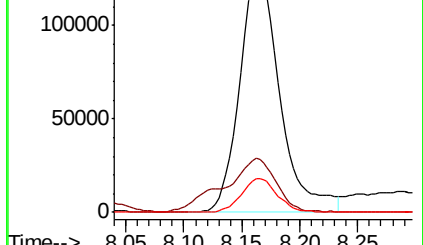
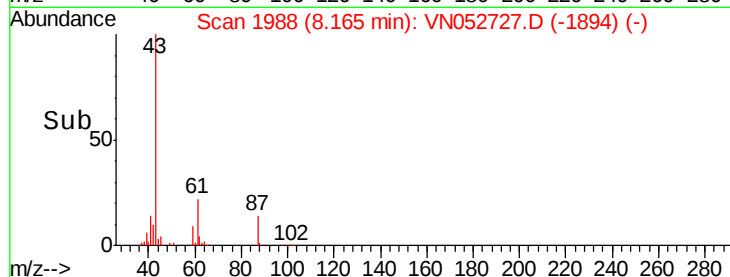


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN052470.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN052470.D (-1968) (-)

Time-->



#44

Trichloroethene

Concen: 20.146 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052727.D

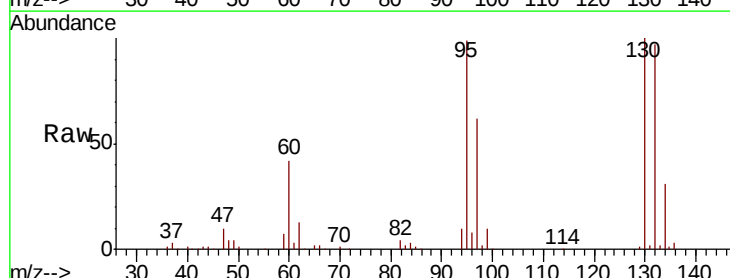
Acq: 7 Dec 2018 15:25

Tgt Ion:130 Resp: 209400

Ion Ratio Lower Upper

130 100

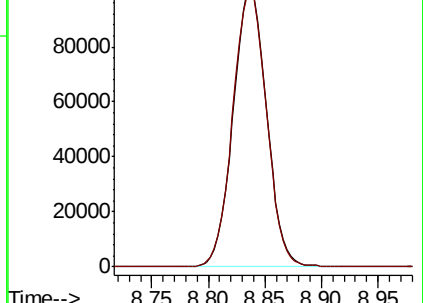
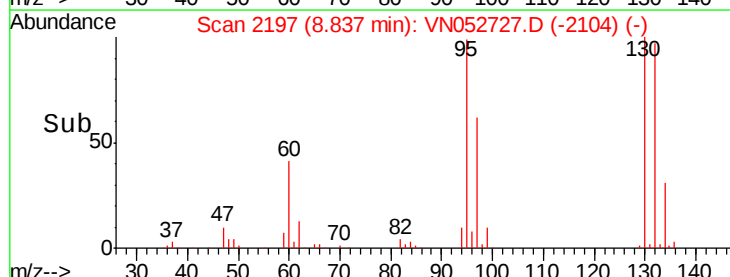
95 98.8 0.0 195.6

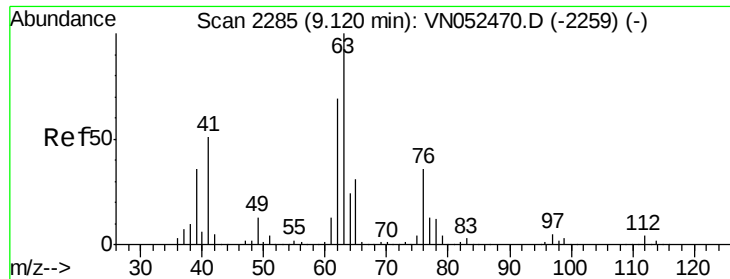


Abundance Ion 129.80 (129.50 to 130.50): VN052470.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN052470.D (-2179) (-)

Time-->

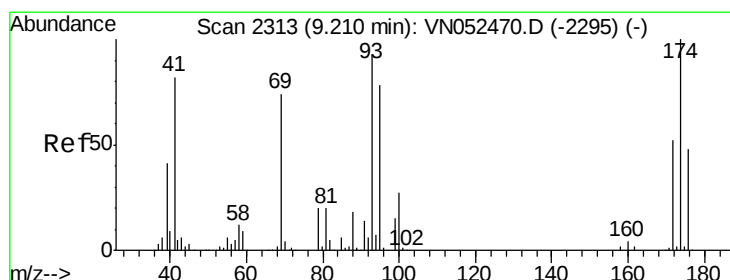
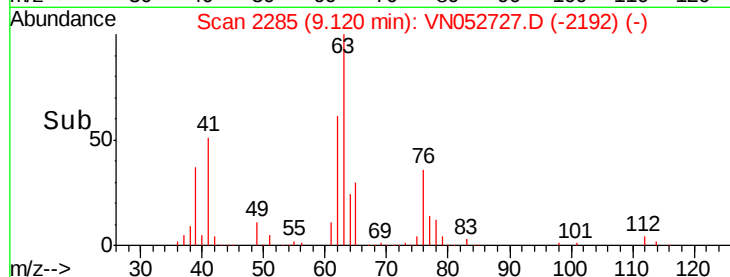
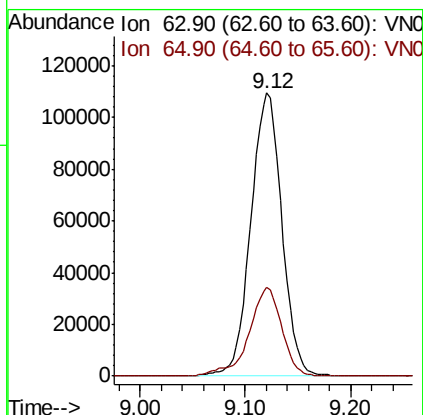
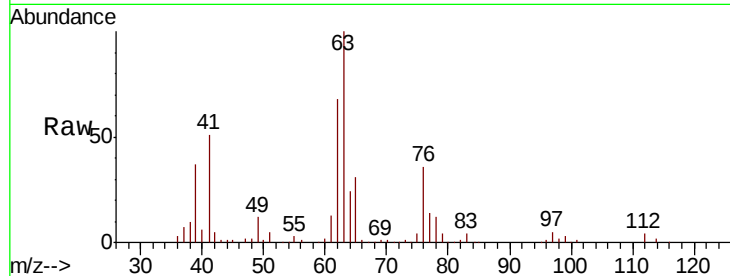




#45
 1,2-Dichloropropane
 Concen: 20.869 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

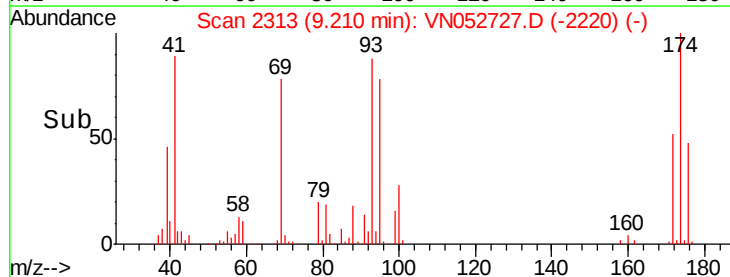
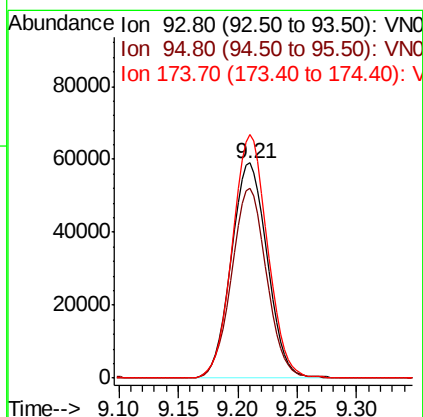
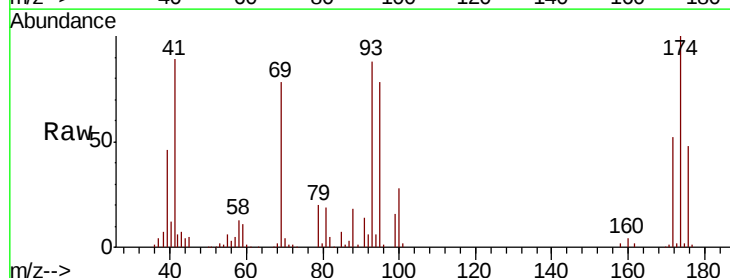
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

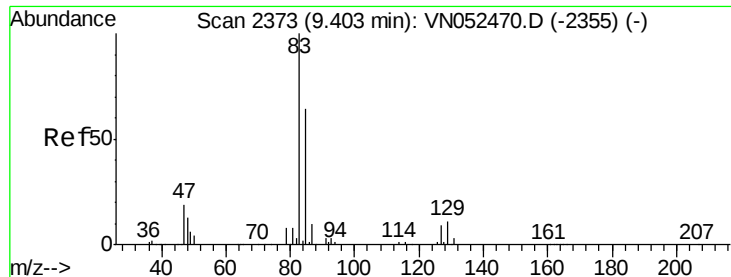
Tot Ion: 63 Resp: 225132
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6



#46
 Dibromomethane
 Concen: 20.771 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion: 93 Resp: 124047
 Ion Ratio Lower Upper
 93 100
 95 85.8 67.1 100.7
 174 110.5 85.8 128.8

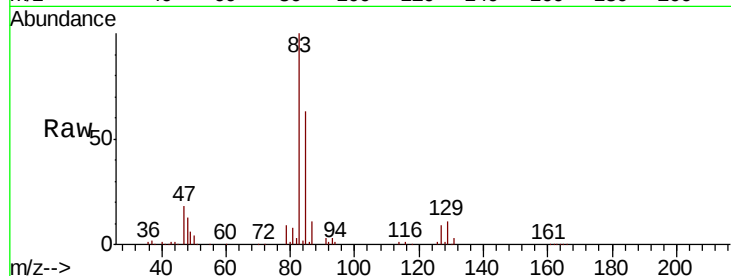




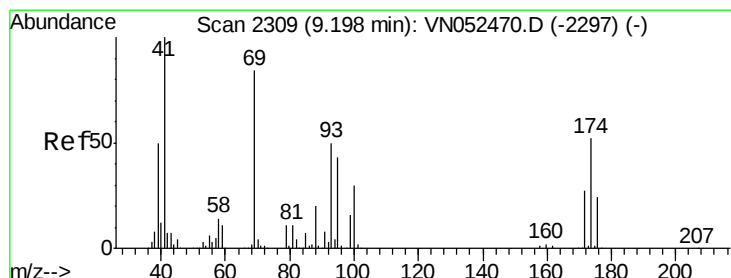
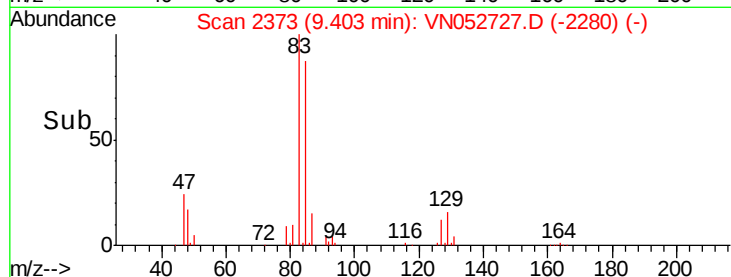
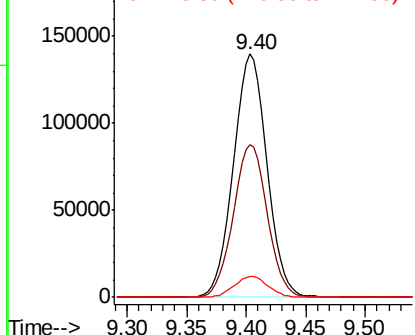
#47
Bromodichloromethane
Concen: 21.065 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tot Ion: 83 Resp: 273522
Ion Ratio Lower Upper
83 100
85 62.6 51.3 76.9
127 8.7 6.9 10.3

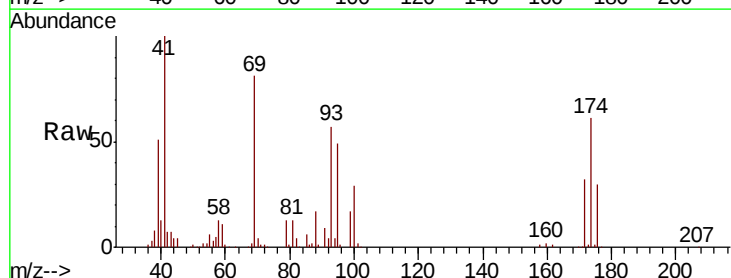


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

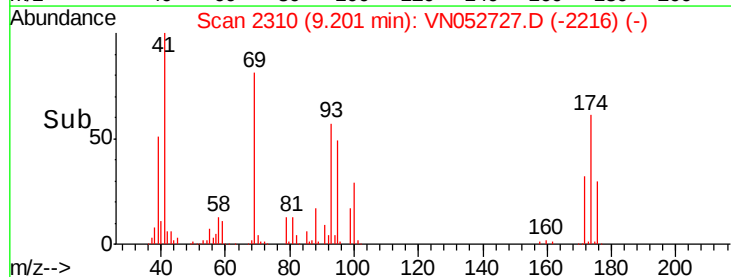
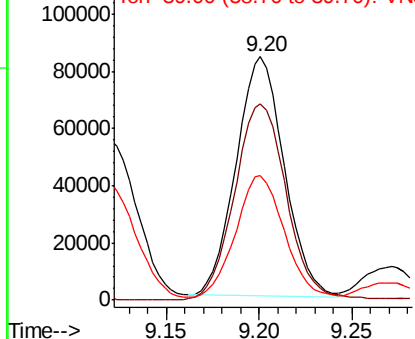


#48
Methyl methacrylate
Concen: 20.707 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion: 41 Resp: 151837
Ion Ratio Lower Upper
41 100
69 88.4 70.0 105.0
39 53.3 42.6 64.0



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

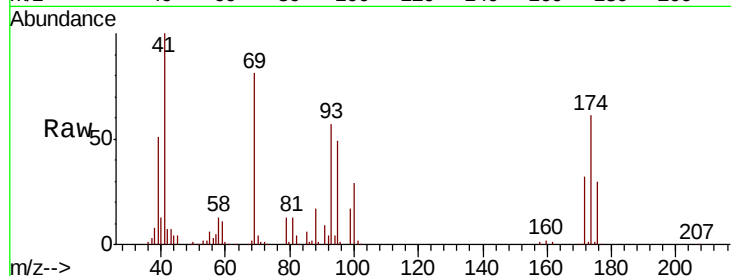




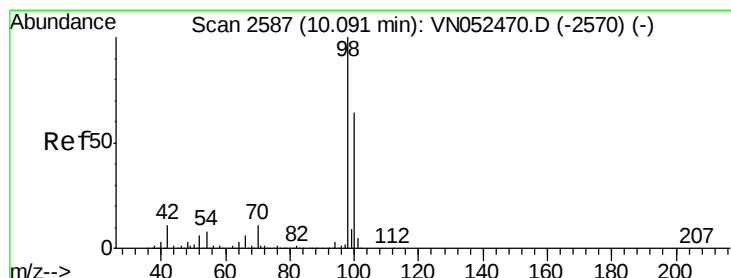
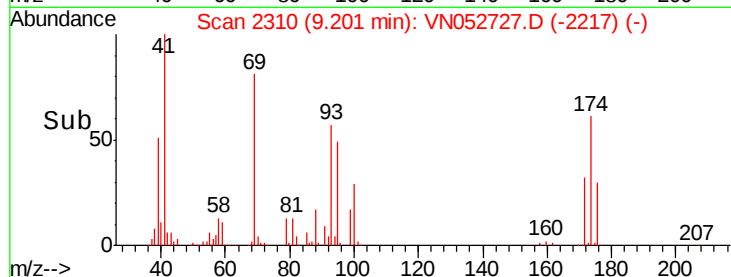
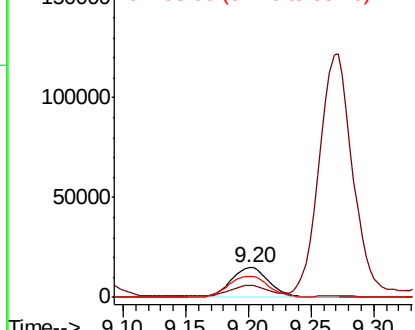
#49
1,4-Dioxane
Concen: 422.016 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tot Ion: 88 Resp: 32115
Ion Ratio Lower Upper
88 100
43 35.6 26.4 39.6
58 73.6 55.4 83.0

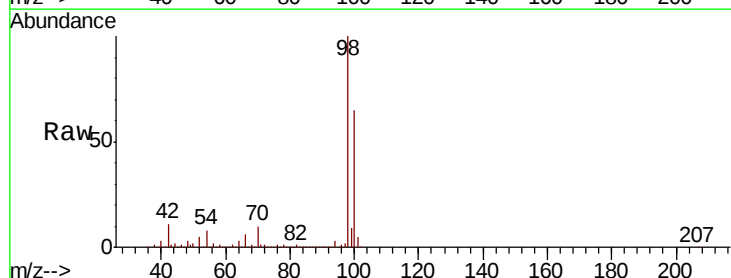


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

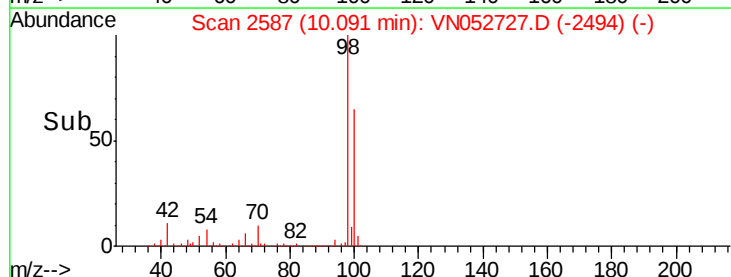
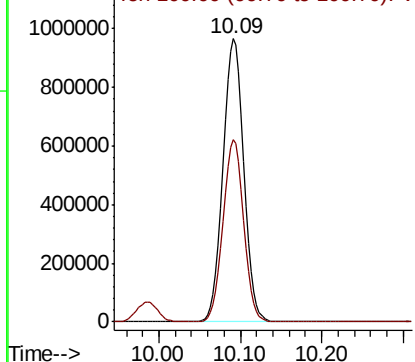


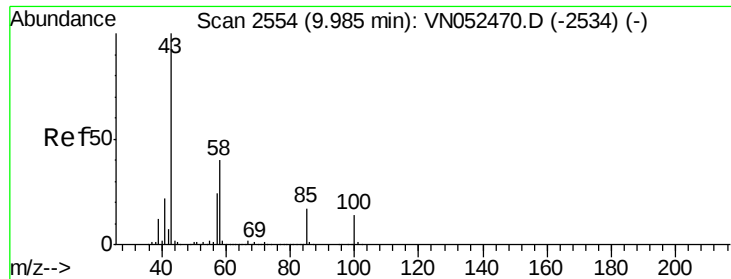
#50
Toluene-d8
Concen: 422.016 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion: 98 Resp: 1755308
Ion Ratio Lower Upper
98 100
100 63.9 51.3 76.9



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

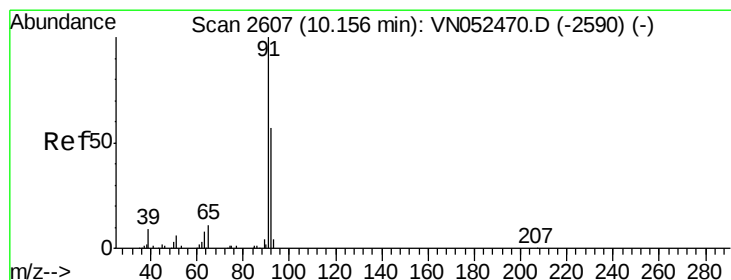
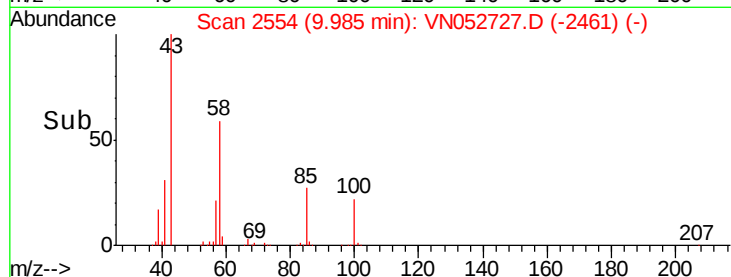
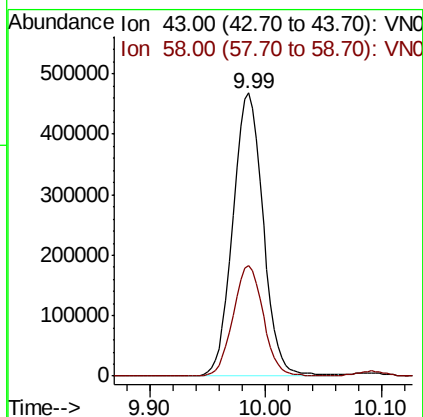
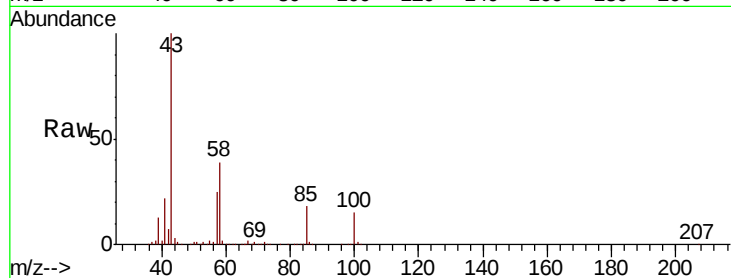




#51
 4-Methyl-2-Pentanone
 Concen: 106.759 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

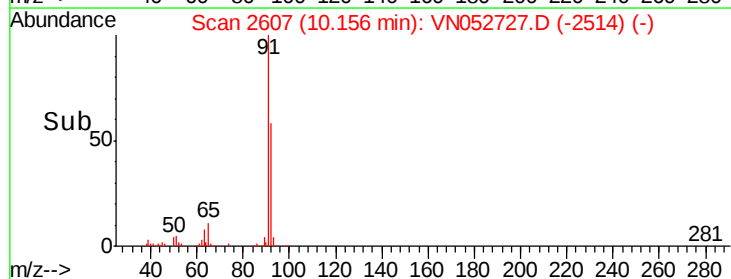
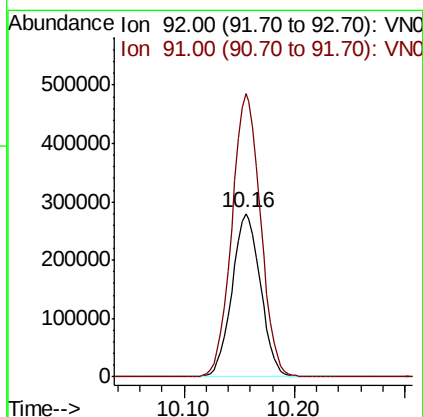
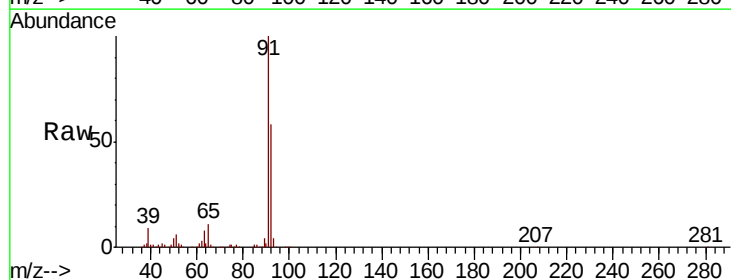
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1207WBSD02

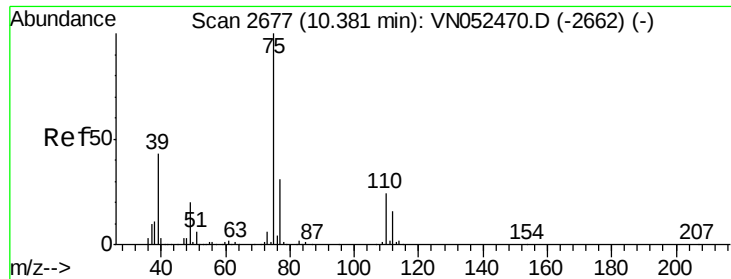
Tot Ion: 43 Resp: 842323
 Ion Ratio Lower Upper
 43 100
 58 39.1 31.5 47.3



#52
 Toluene
 Concen: 20.791 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion: 92 Resp: 501254
 Ion Ratio Lower Upper
 92 100
 91 174.4 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 20.814 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

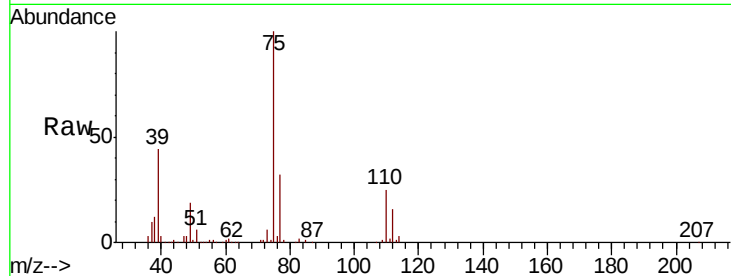
VN1207WBSD02

Tot Ion: 75 Resp: 259995

Ion Ratio Lower Upper

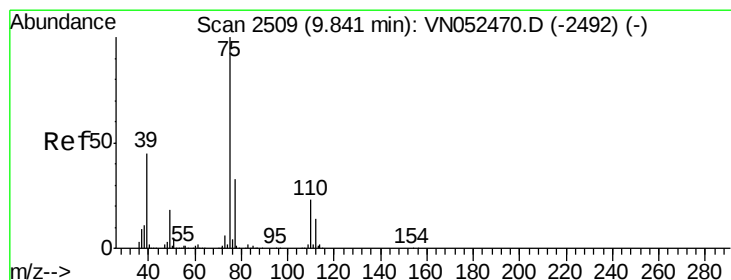
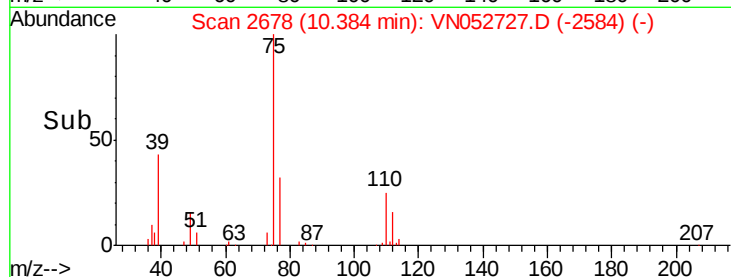
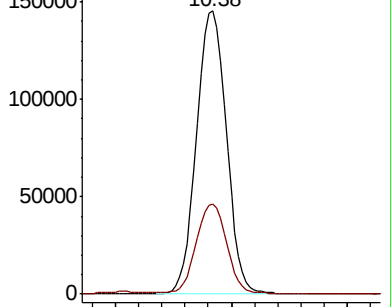
75 100

77 31.8 25.0 37.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.876 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

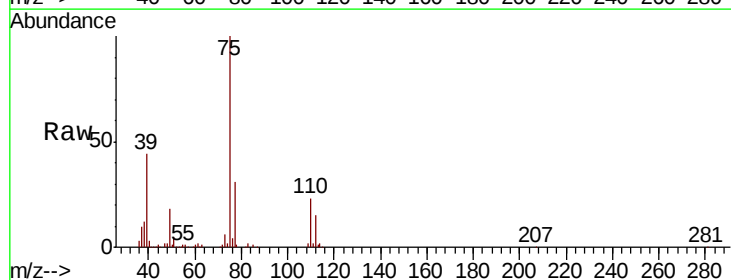
Tgt Ion: 75 Resp: 312497

Ion Ratio Lower Upper

75 100

77 31.2 26.2 39.2

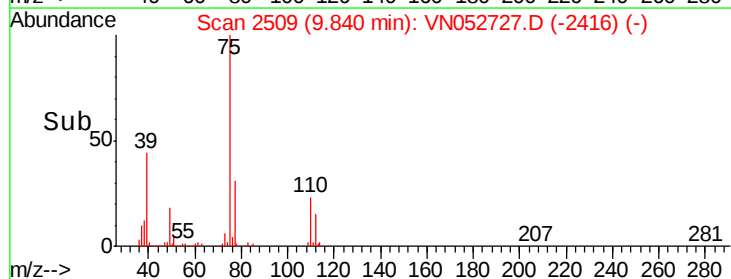
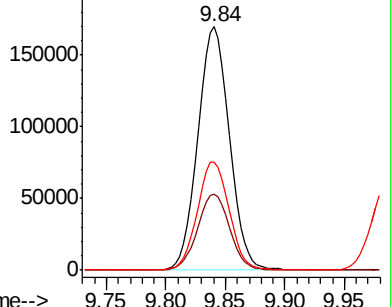
39 44.3 36.0 54.0

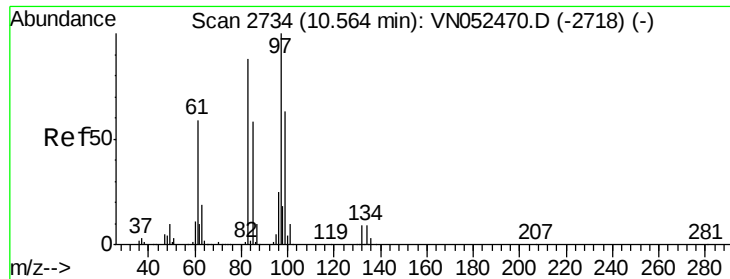


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

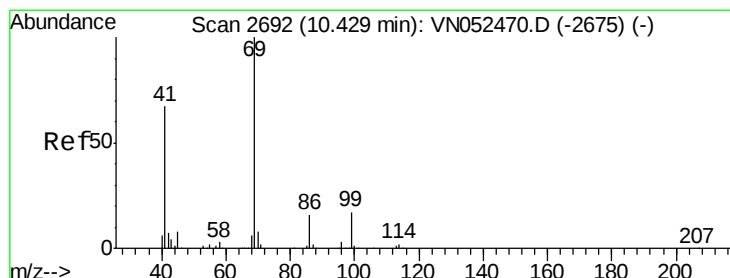
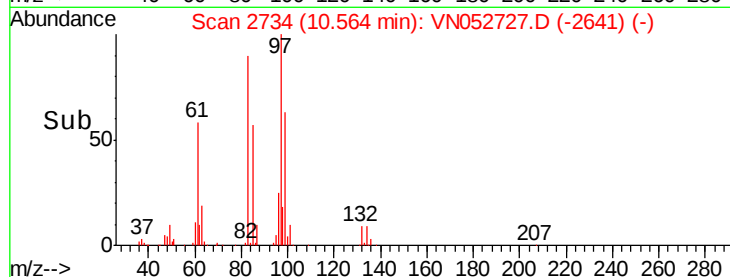
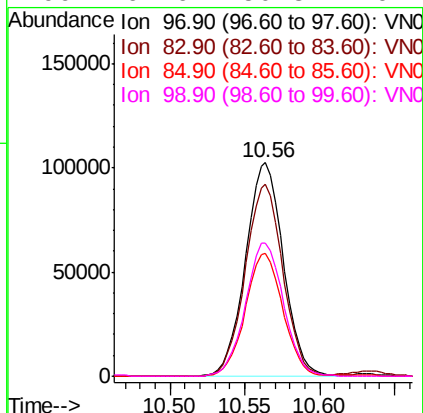
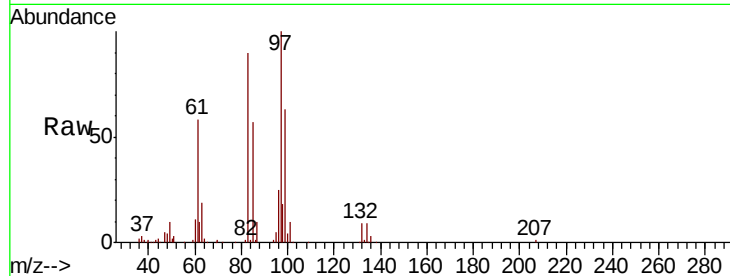




#55
 1,1,2-Trichloroethane
 Concen: 21.301 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

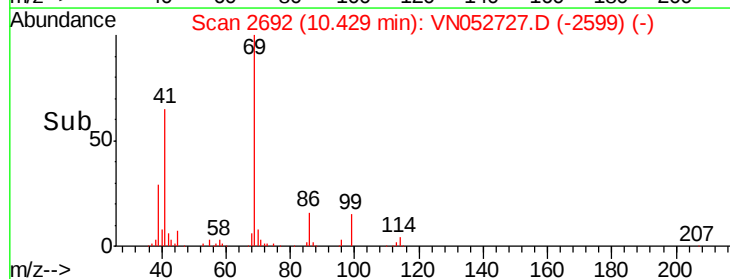
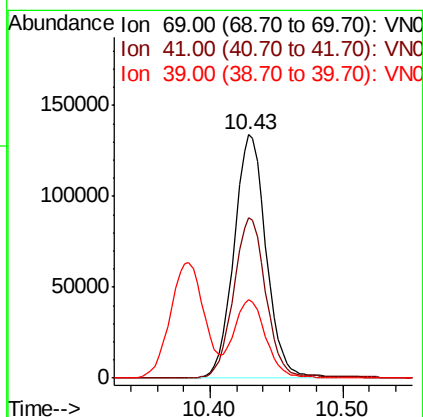
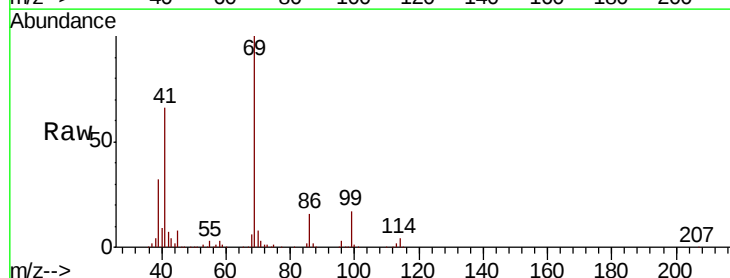
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

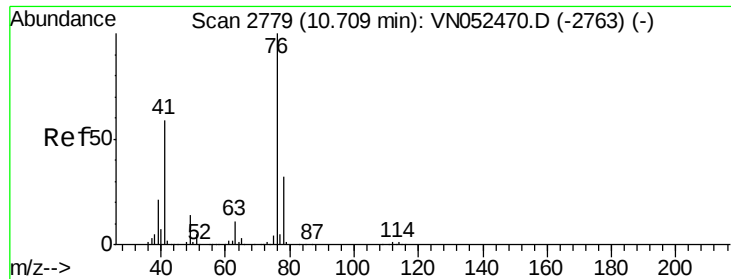
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	90.0	70.7	106.1	
85	57.3	46.1	69.1	
99	62.6	50.8	76.2	



#56
 Ethyl methacrylate
 Concen: 20.803 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	65.2	52.6	79.0	
39	32.7	25.9	38.9	





#57

1,3-Dichloropropane

Concen: 20.865 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

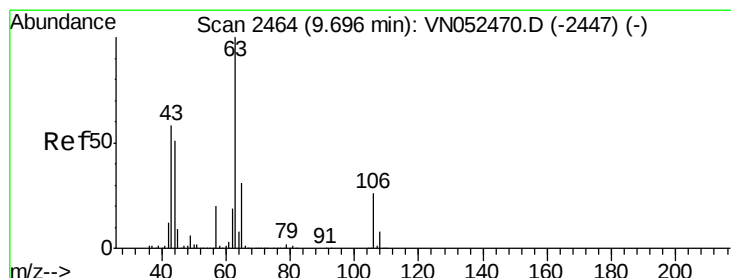
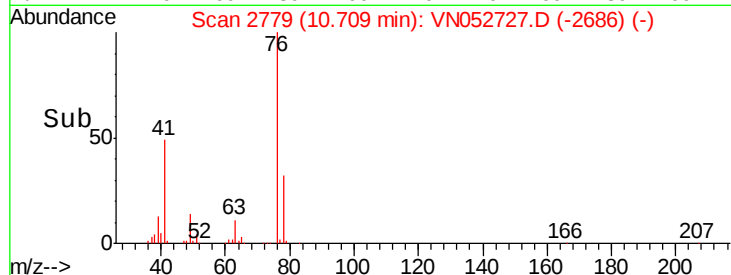
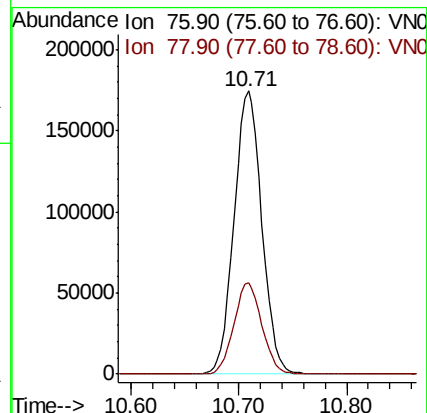
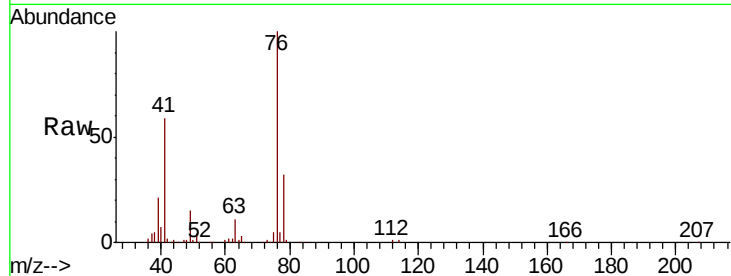
VN1207WBSD02

Tot Ion: 76 Resp: 312426

Ion Ratio Lower Upper

76 100

78 32.5 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 99.308 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052727.D

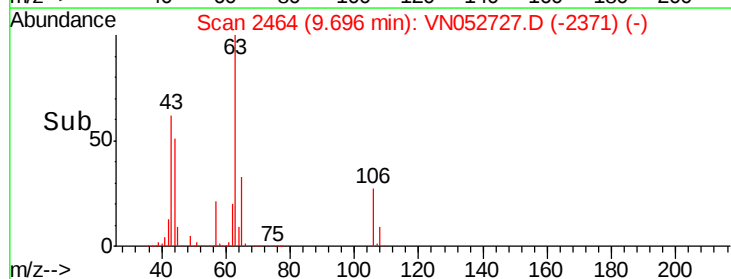
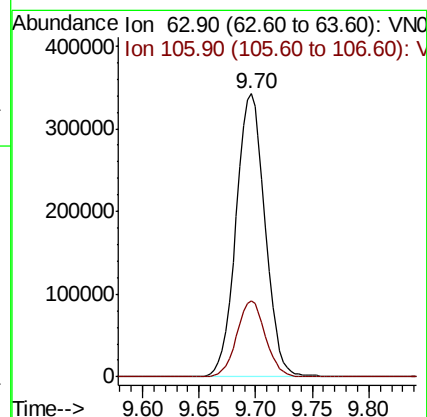
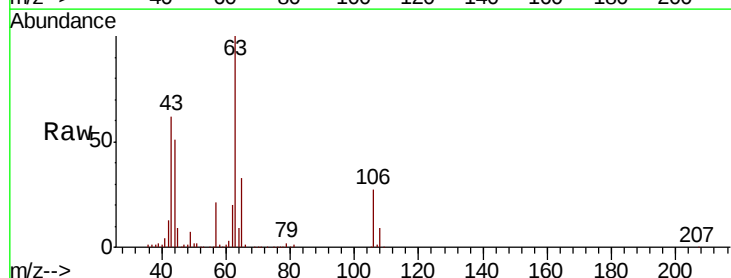
Acq: 7 Dec 2018 15:25

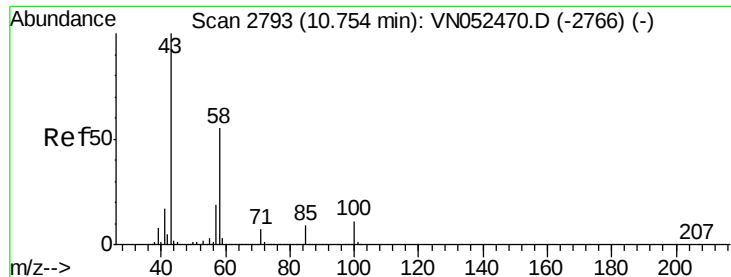
Tgt Ion: 63 Resp: 611101

Ion Ratio Lower Upper

63 100

106 26.6 20.6 30.8

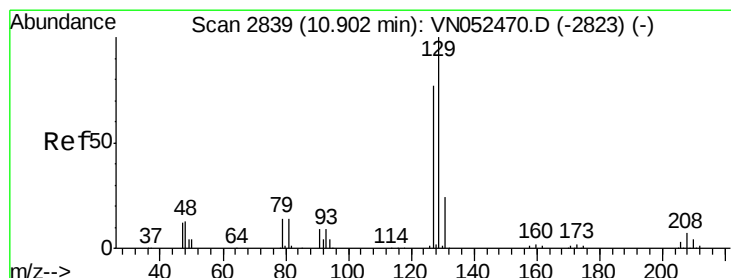
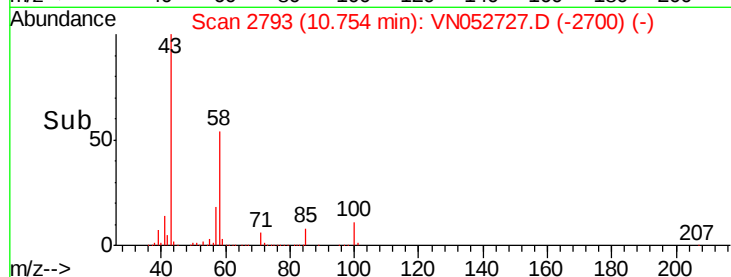
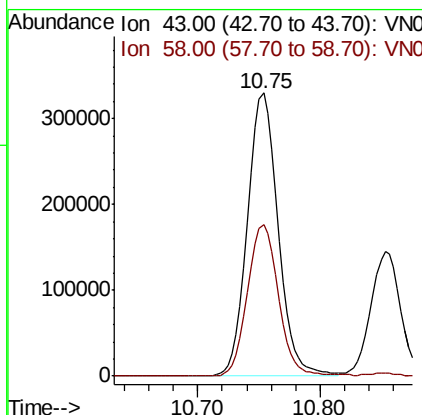
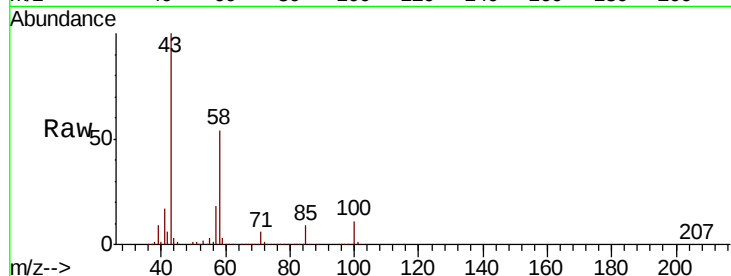




#59
2-Hexanone
Concen: 107.441 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

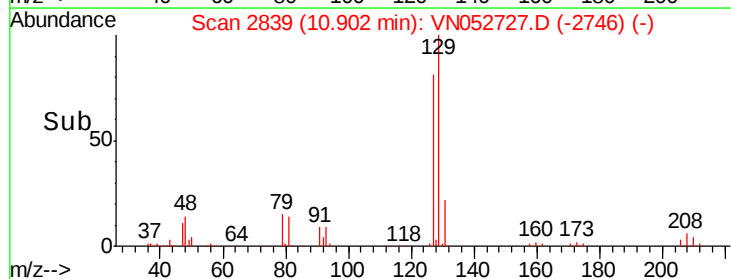
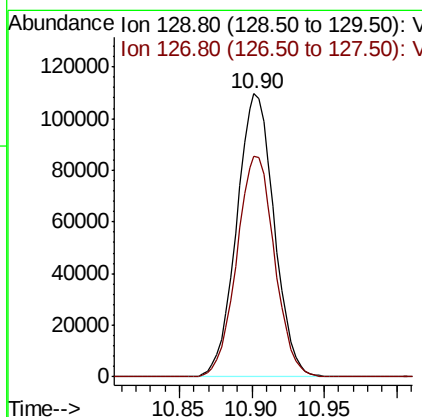
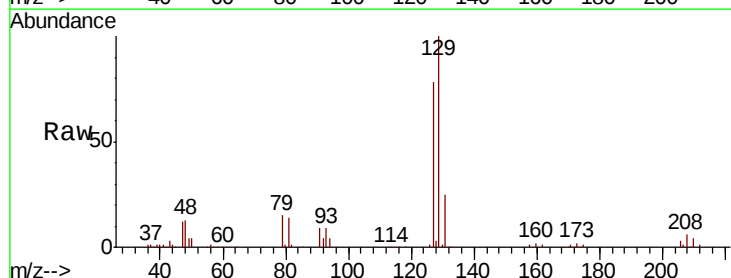
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

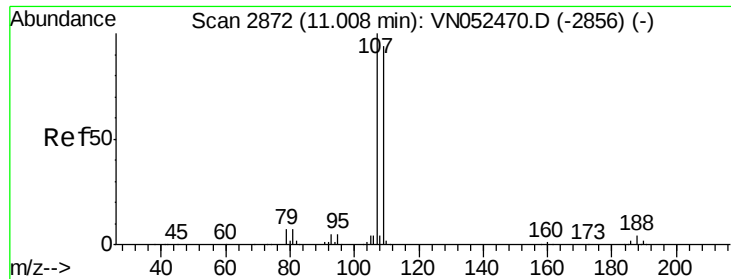
Tot Ion: 43 Resp: 568941
Ion Ratio Lower Upper
43 100
58 54.4 27.4 82.0



#60
Dibromochloromethane
Concen: 21.350 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion: 129 Resp: 196646
Ion Ratio Lower Upper
129 100
127 78.6 38.9 116.6

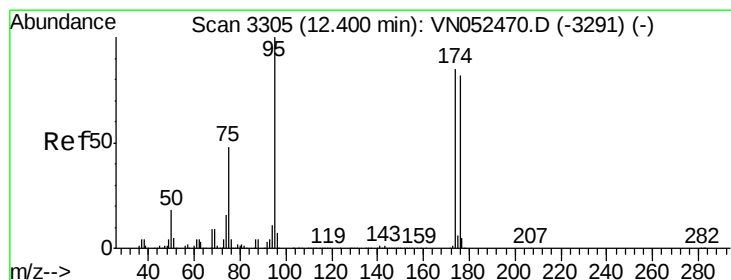
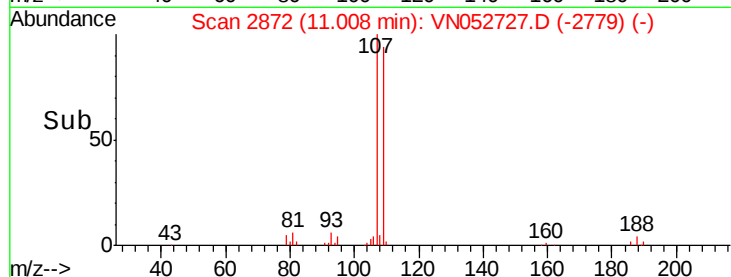
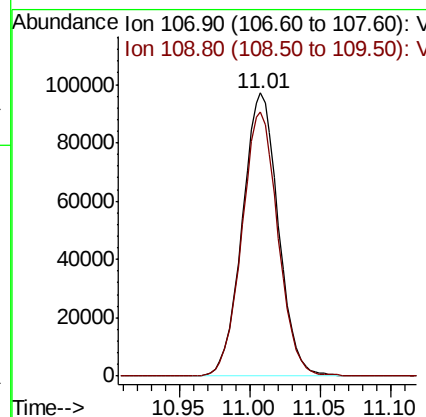
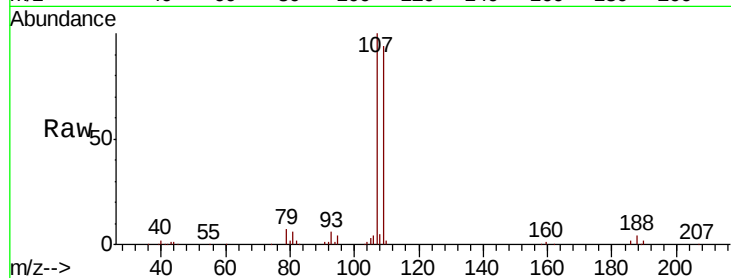




#61
 1,2-Dibromoethane
 Concen: 20.586 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

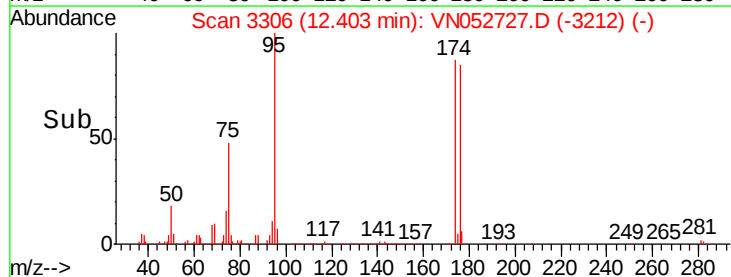
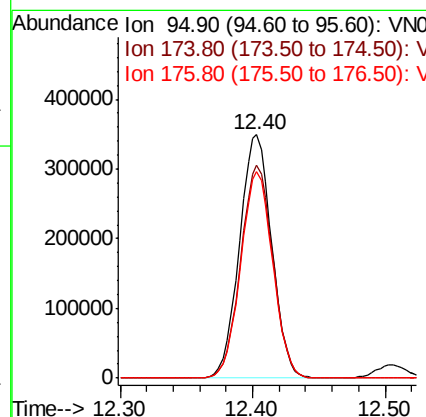
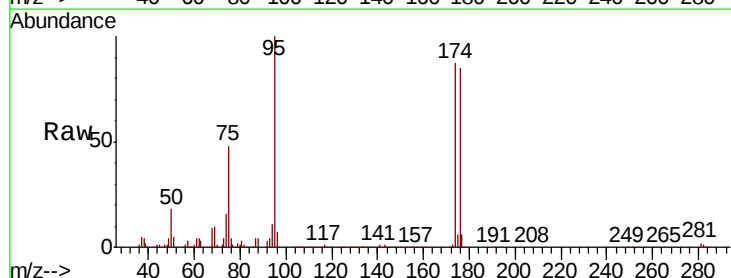
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

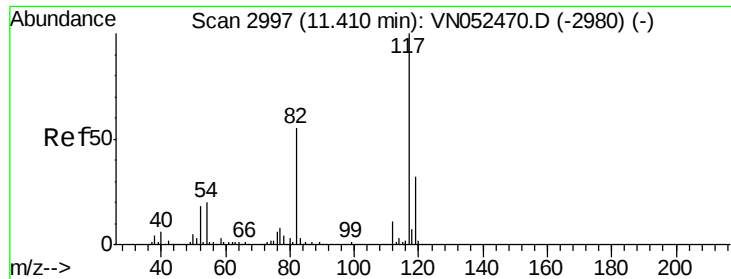
Tot Ion:107 Resp: 173395
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 20.586 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion: 95 Resp: 588531
 Ion Ratio Lower Upper
 95 100
 174 87.5 0.0 173.0
 176 84.5 0.0 166.2

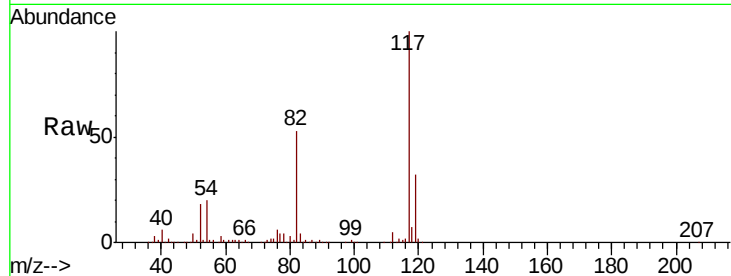




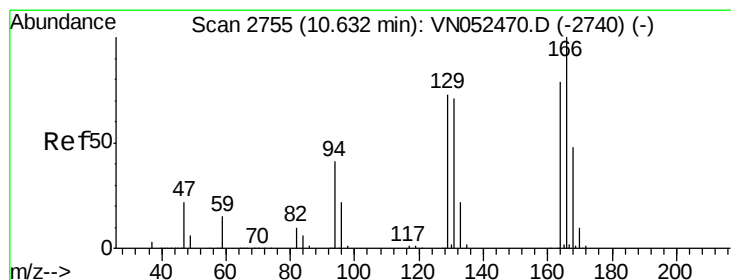
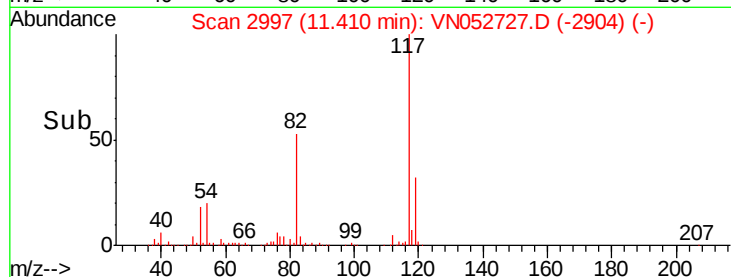
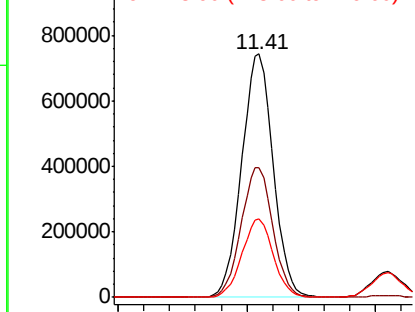
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

Tot Ion:117 Resp: 1262176
Ion Ratio Lower Upper
117 100
82 53.5 43.6 65.4
119 32.0 25.4 38.2

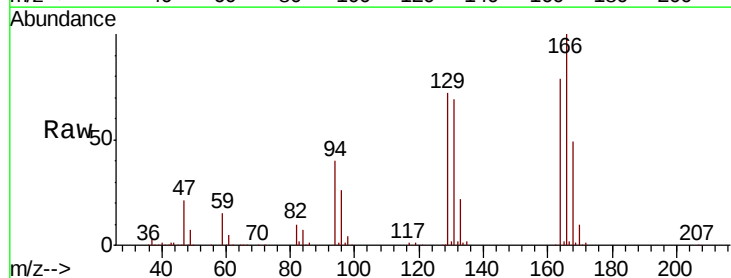


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

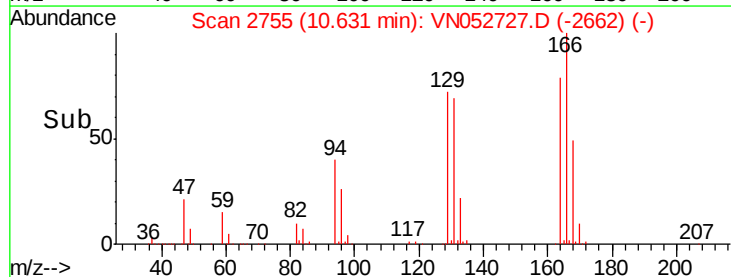
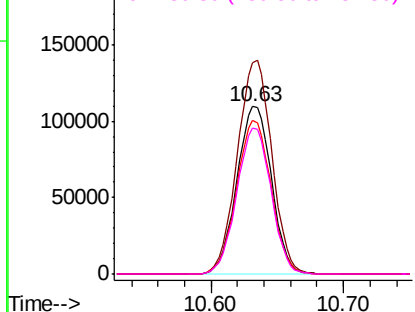


#64
Tetrachloroethene
Concen: 20.310 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion:164 Resp: 198752
Ion Ratio Lower Upper
164 100
166 126.4 101.0 151.4
129 91.3 73.8 110.6
131 87.4 71.2 106.8



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

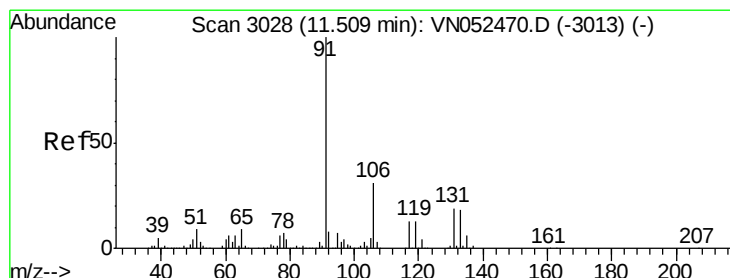
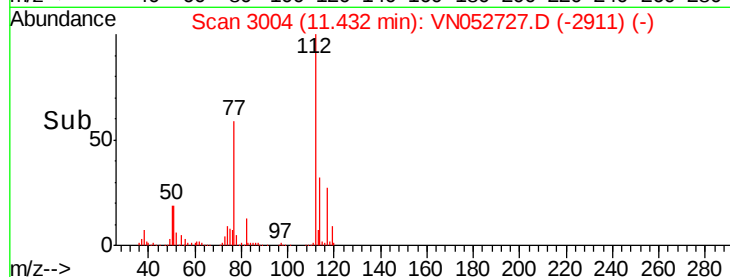
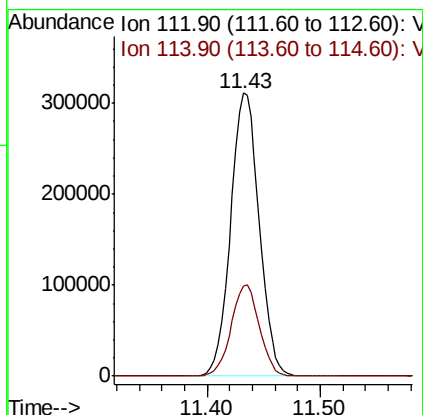
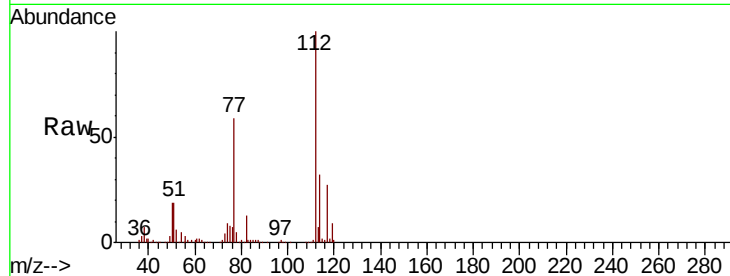




#65
Chlorobenzene
Concen: 20.983 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

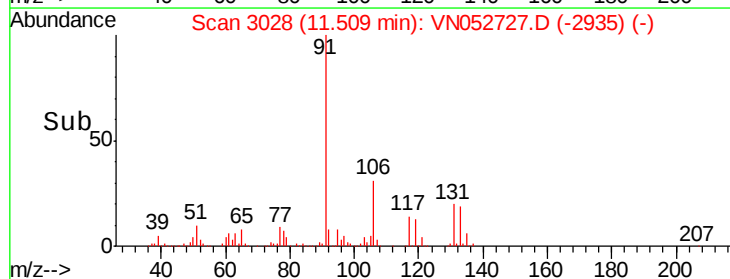
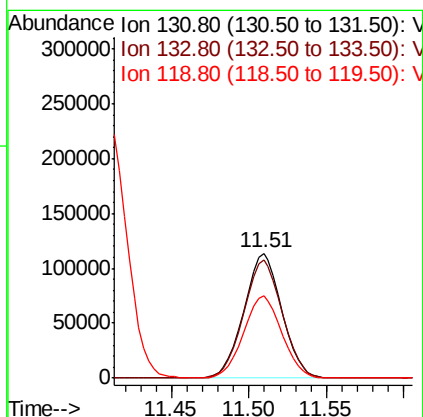
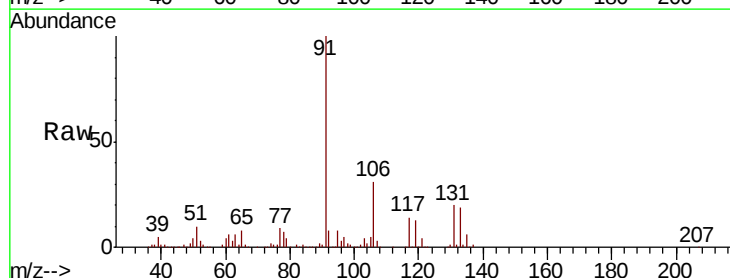
Instrument :
MSVOA_N
ClientSampleId :
VN1207WBSD02

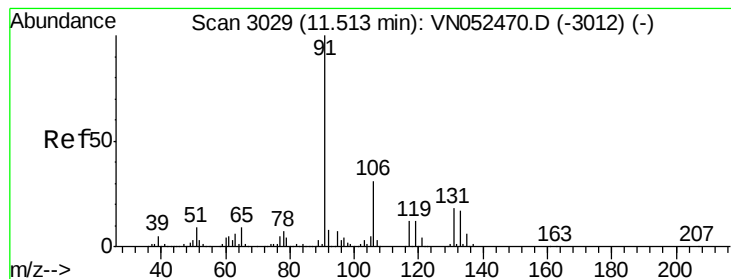
Tot Ion:112 Resp: 546113
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 21.407 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion:131 Resp: 193716
Ion Ratio Lower Upper
131 100
133 96.1 47.6 142.8
119 66.6 33.2 99.6





#67

Ethyl Benzene

Concen: 20.638 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

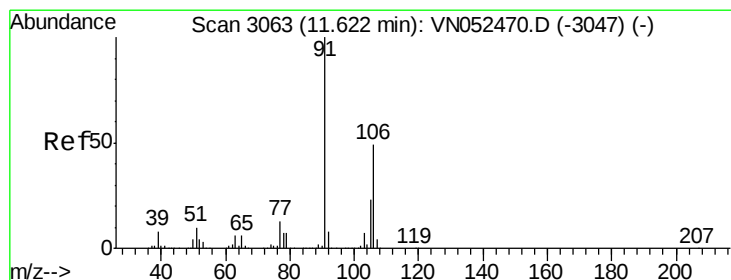
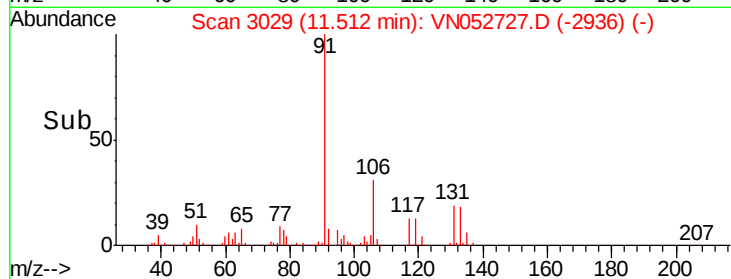
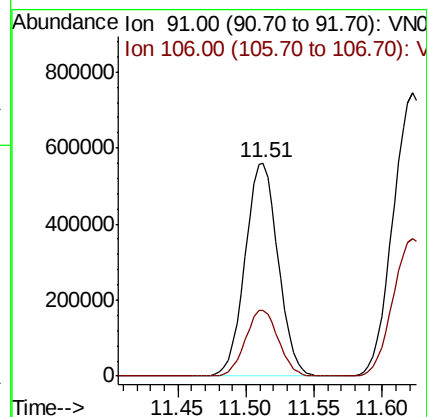
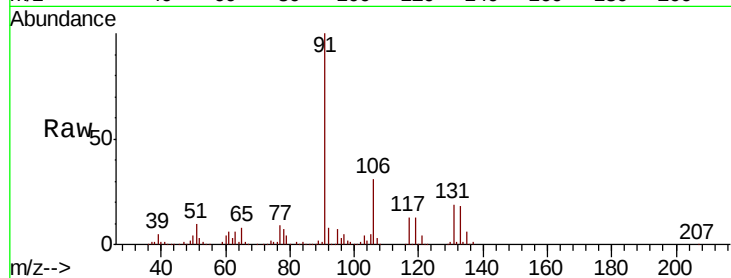
VN1207WBSD02

Tot Ion: 91 Resp: 940614

Ion Ratio Lower Upper

91 100

106 31.0 24.9 37.3



#68

m/p-Xylenes

Concen: 41.415 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052727.D

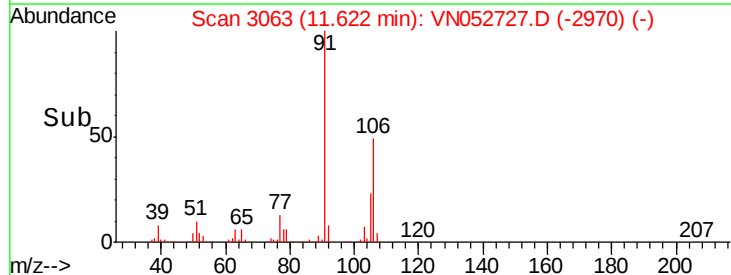
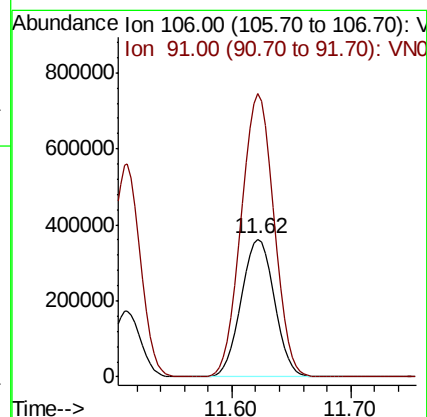
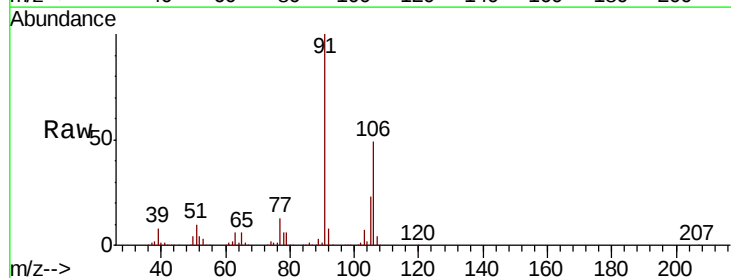
Acq: 7 Dec 2018 15:25

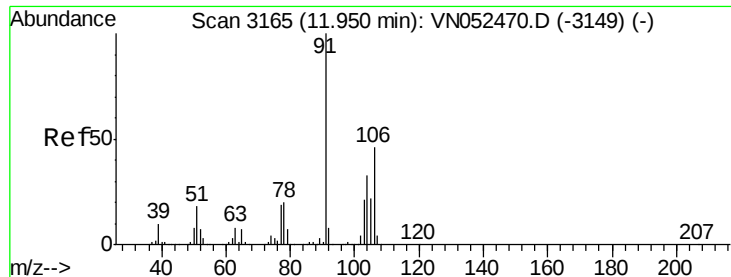
Tgt Ion: 106 Resp: 702685

Ion Ratio Lower Upper

106 100

91 202.9 163.2 244.8

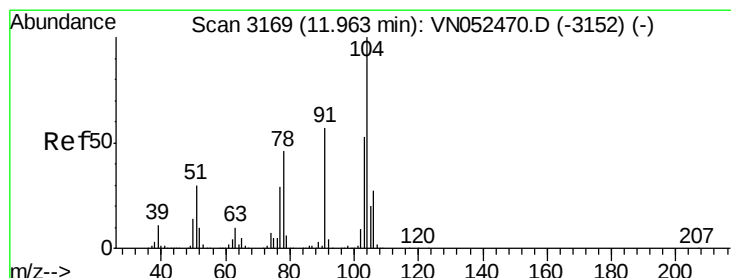
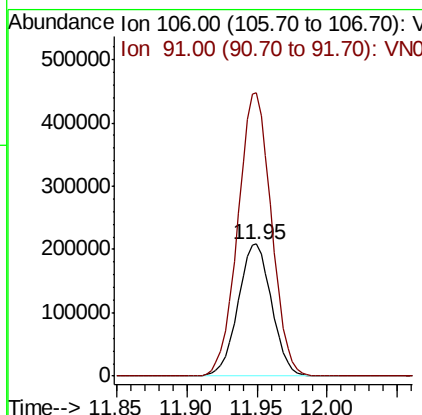
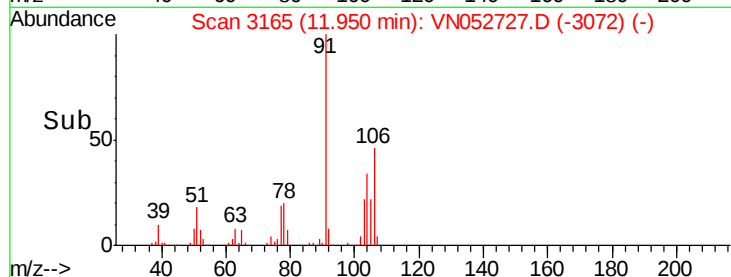
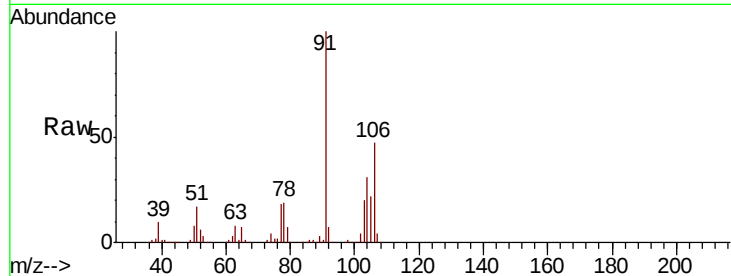




#69
o-Xylene
Concen: 21.122 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

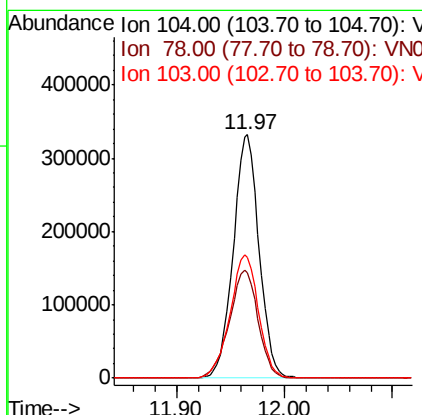
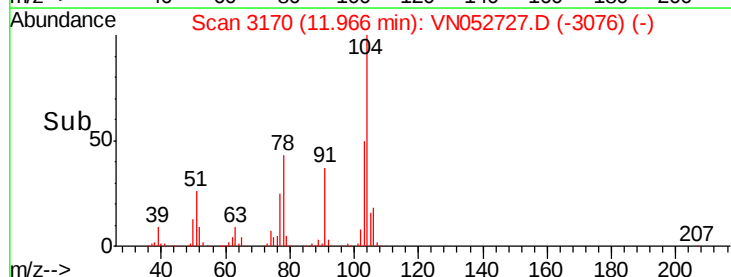
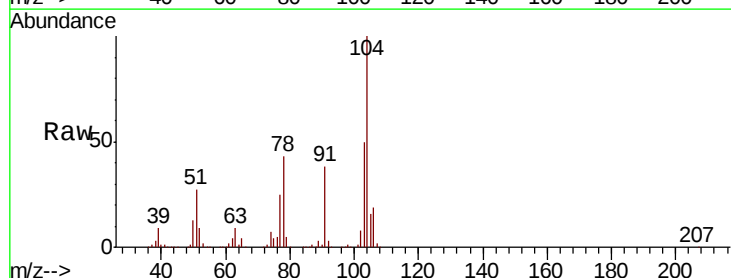
Instrument :
MSVOA_N
ClientSampled :
VN1207WBSD02

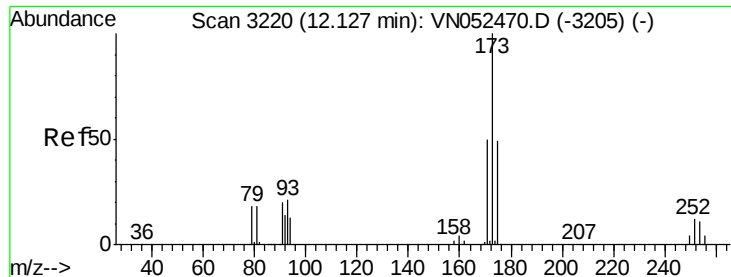
Tot Ion:106 Resp: 348006
Ion Ratio Lower Upper
106 100
91 213.9 107.7 323.1



#70
Styrene
Concen: 21.160 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052727.D
Acq: 7 Dec 2018 15:25

Tgt Ion:104 Resp: 555286
Ion Ratio Lower Upper
104 100
78 49.3 39.4 59.2
103 55.8 44.9 67.3





#71

Bromoform

Concen: 21.565 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

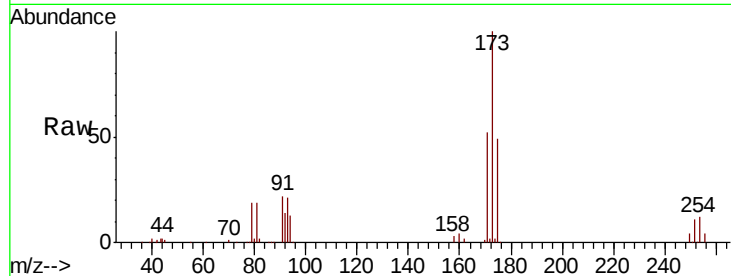
Tot Ion:173 Resp: 129210

Ion Ratio Lower Upper

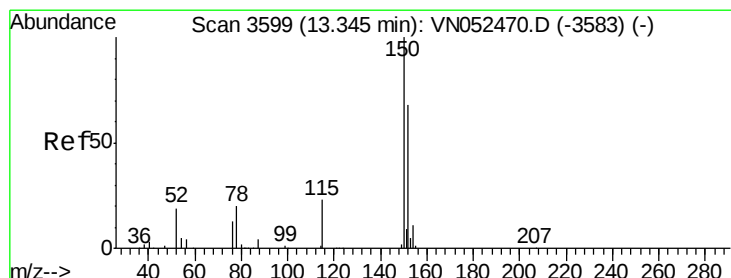
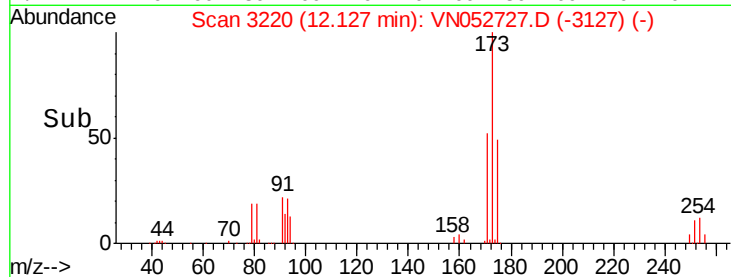
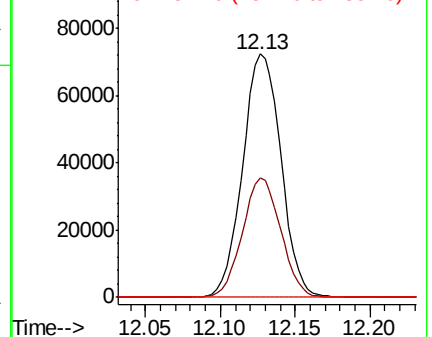
173 100

175 48.8 24.4 73.2

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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

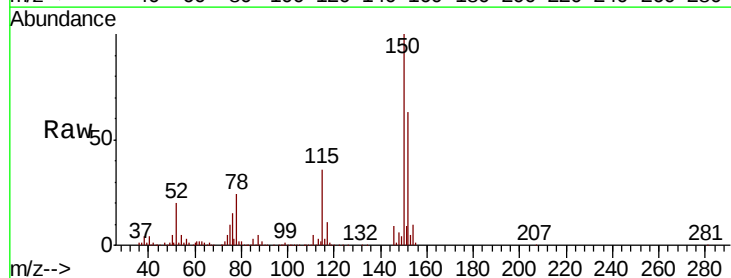
Tgt Ion:152 Resp: 553678

Ion Ratio Lower Upper

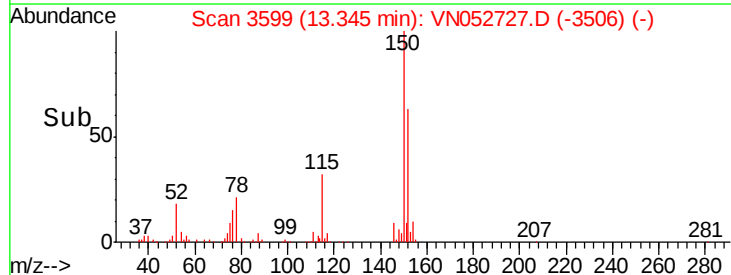
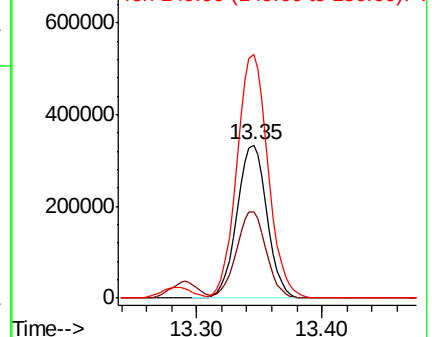
152 100

115 56.0 28.4 85.2

150 165.6 0.0 346.0



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: 21.350 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

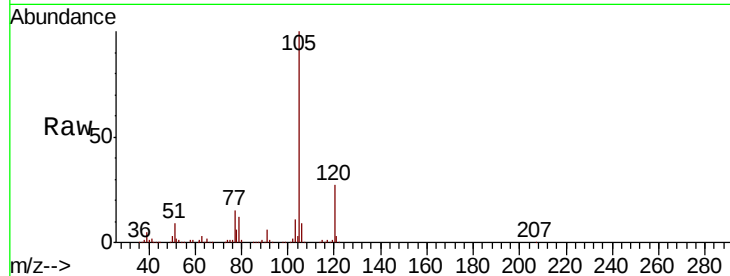
VN1207WBSD02

Tot Ion:105 Resp: 927419

Ion Ratio Lower Upper

105 100

120 26.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

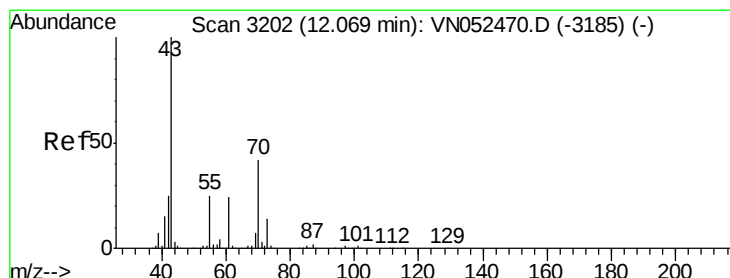
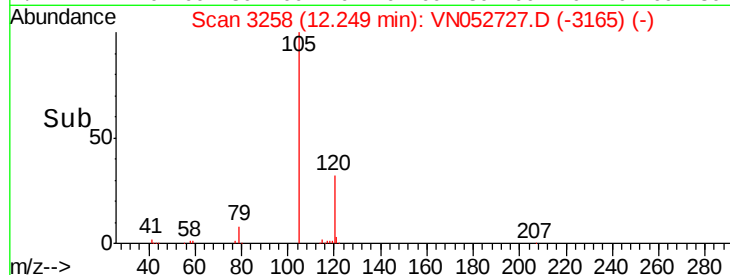
400000

200000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 20.924 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Tgt Ion: 43 Resp: 229634

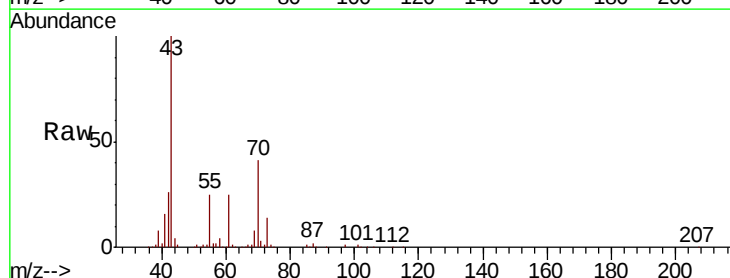
Ion Ratio Lower Upper

43 100

70 42.0 33.8 50.8

55 26.2 20.0 30.0

61 24.7 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

150000

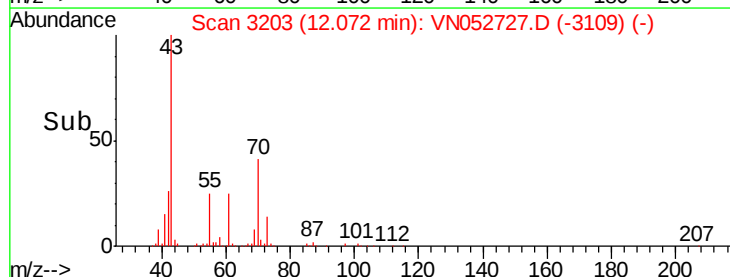
100000

50000

0

12.00 12.05 12.10 12.15

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.186 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

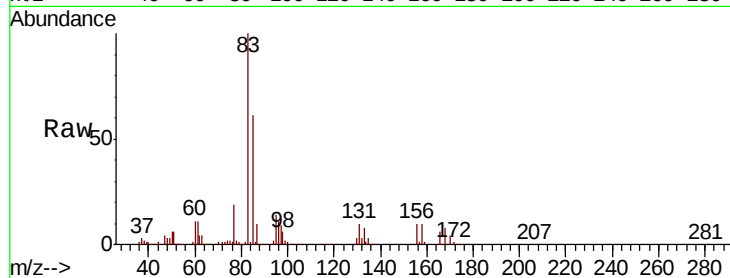
Tot Ion: 83 Resp: 219237

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

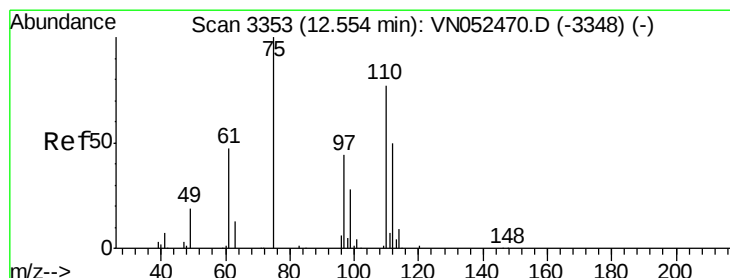
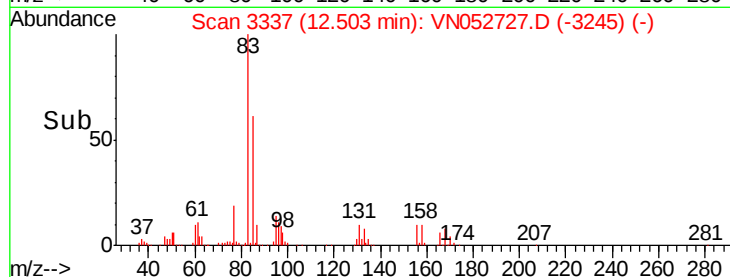
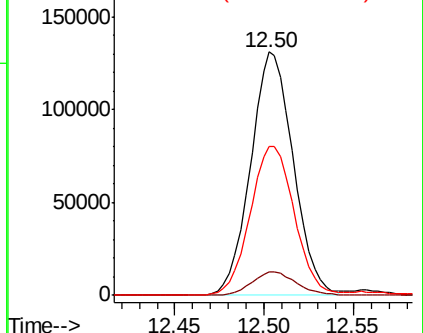
85 63.4 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN052727.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN052727.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN052727.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 30.746 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052727.D

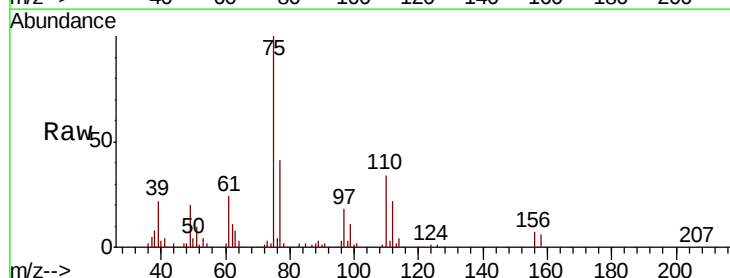
Acq: 7 Dec 2018 15:25

Tgt Ion: 75 Resp: 262509

Ion Ratio Lower Upper

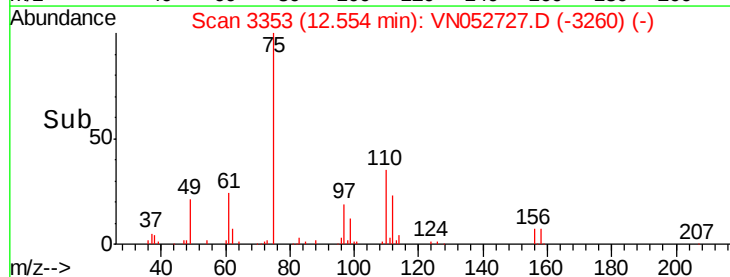
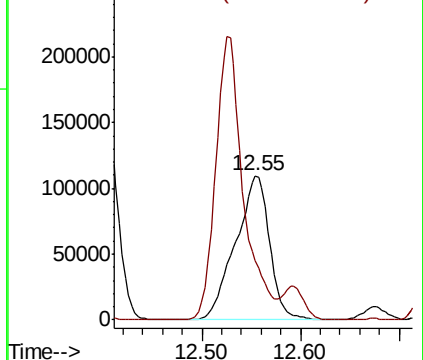
75 100

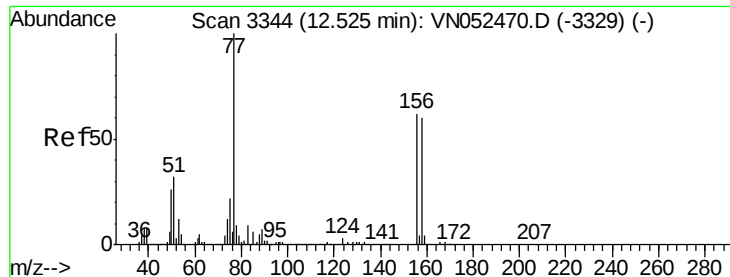
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN052727.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN052727.D (-3353) (-)





#77

Bromobenzene

Concen: 21.416 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

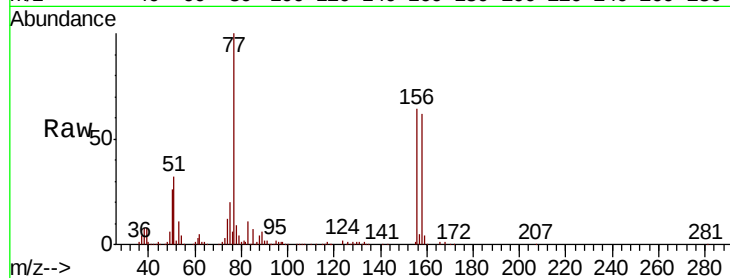
Tot Ion:156 Resp: 229940

Ion Ratio Lower Upper

156 100

77 184.2 93.5 280.4

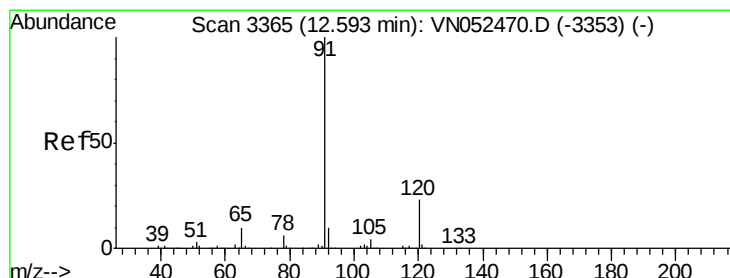
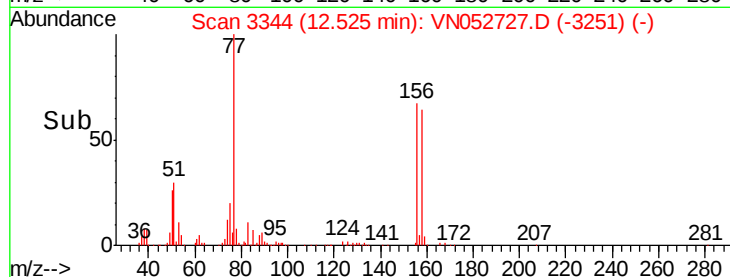
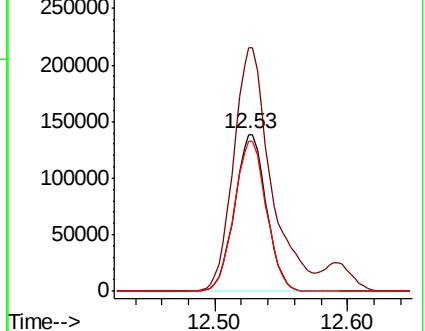
158 97.5 48.3 144.9



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: 21.069 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052727.D

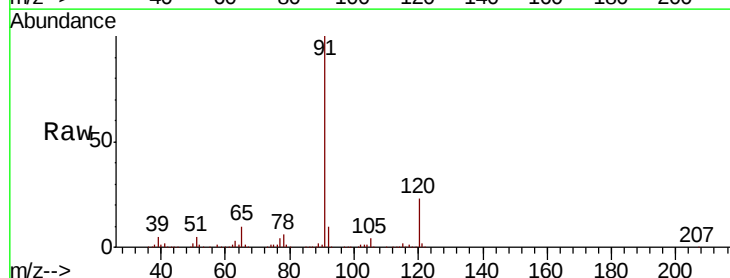
Acq: 7 Dec 2018 15:25

Tgt Ion: 91 Resp: 1039738

Ion Ratio Lower Upper

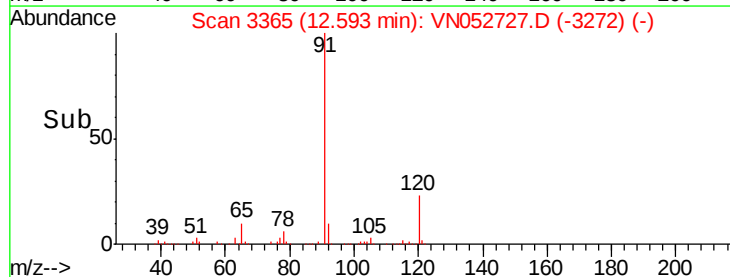
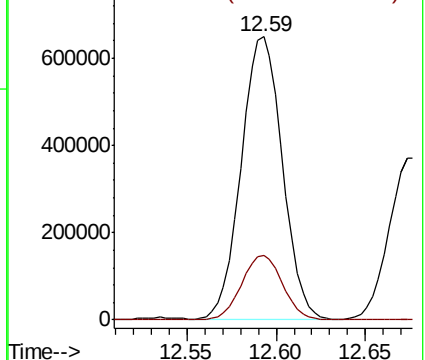
91 100

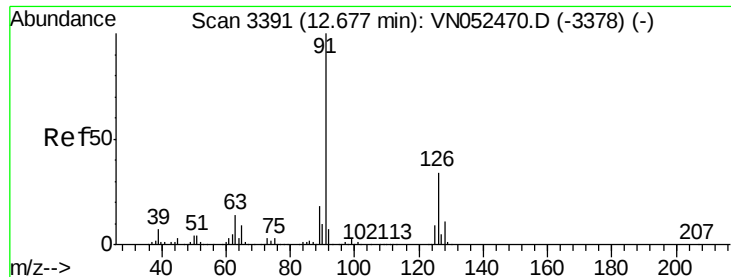
120 22.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.051 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

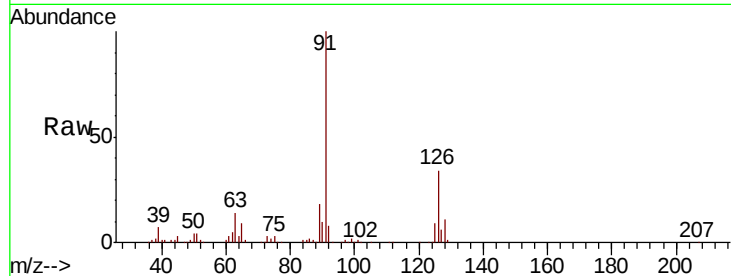
VN1207WBSD02

Tot Ion: 91 Resp: 618634

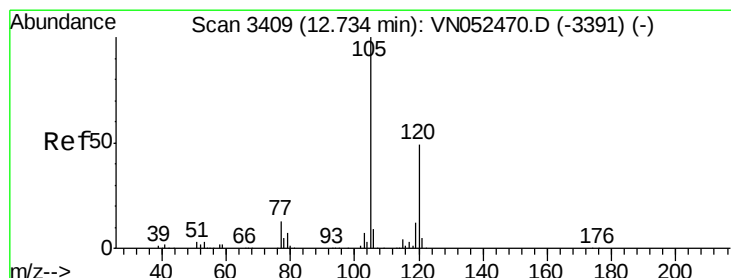
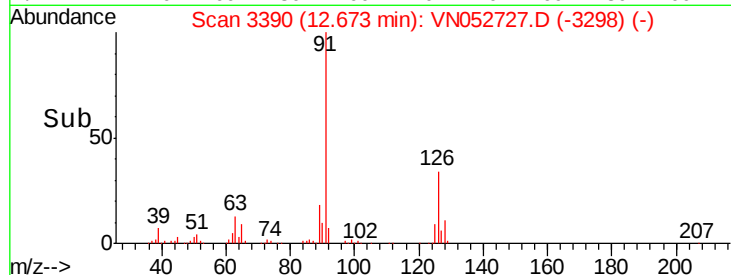
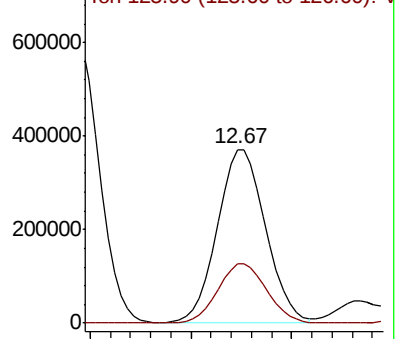
Ion Ratio Lower Upper

91 100

126 34.9 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN052727.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.215 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052727.D

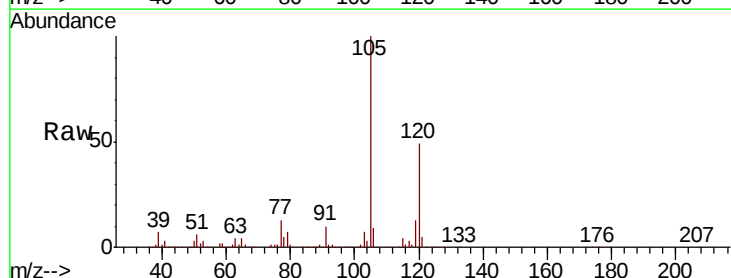
Acq: 7 Dec 2018 15:25

Tgt Ion:105 Resp: 735000

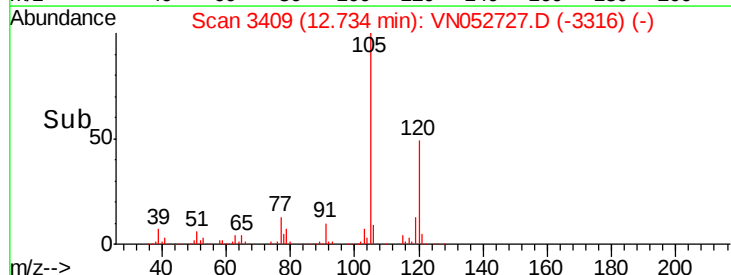
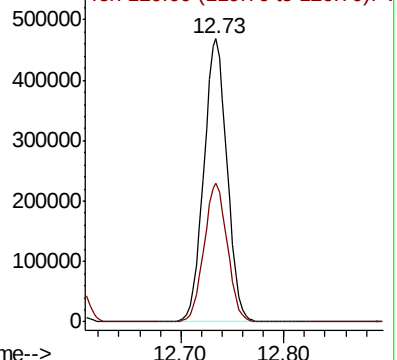
Ion Ratio Lower Upper

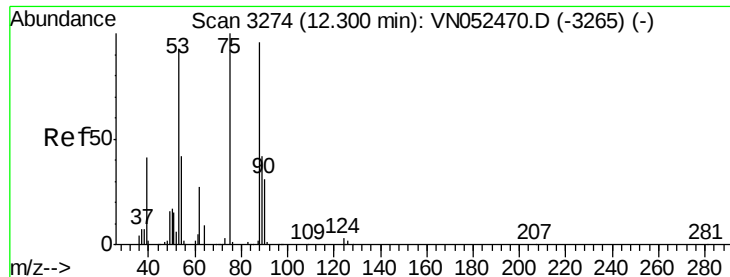
105 100

120 49.1 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052727.D (-3409) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.087 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

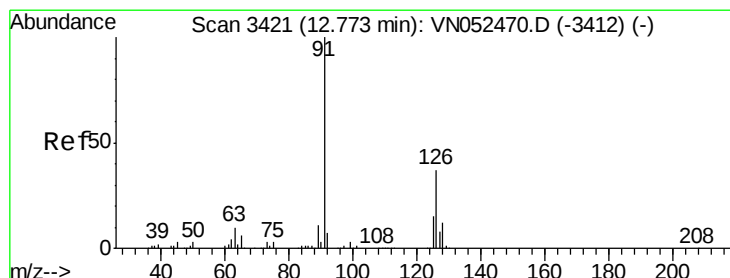
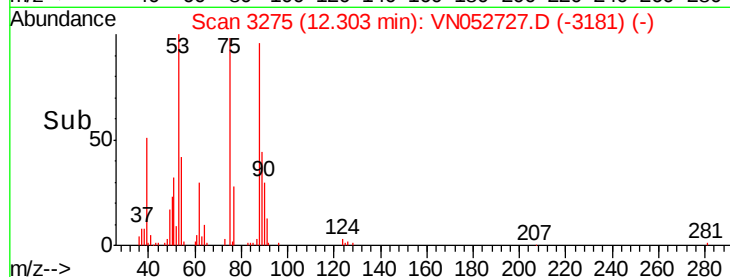
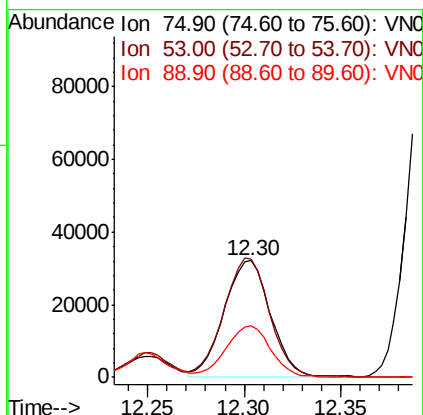
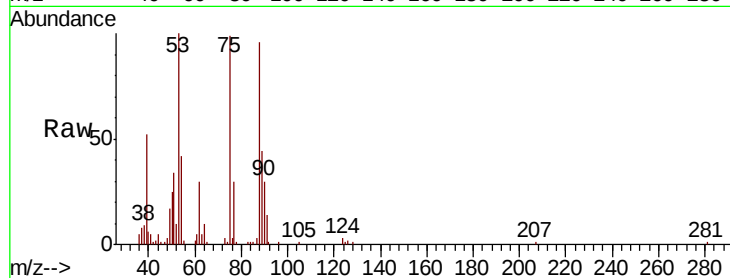
Tot Ion: 75 Resp: 53913

Ion Ratio Lower Upper

75 100

53 98.4 77.4 116.0

89 42.4 35.4 53.2



#82

4-Chlorotoluene

Concen: 20.781 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052727.D

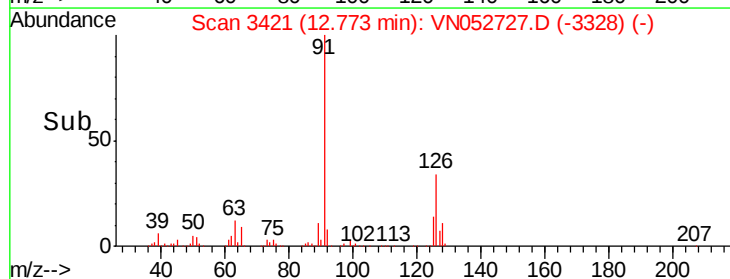
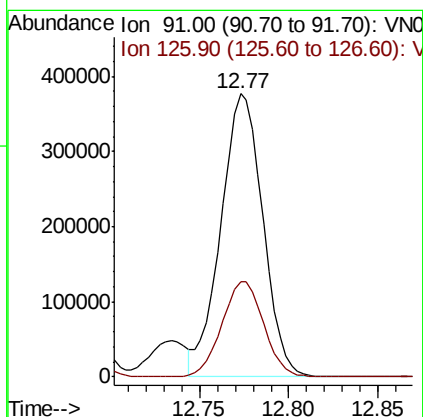
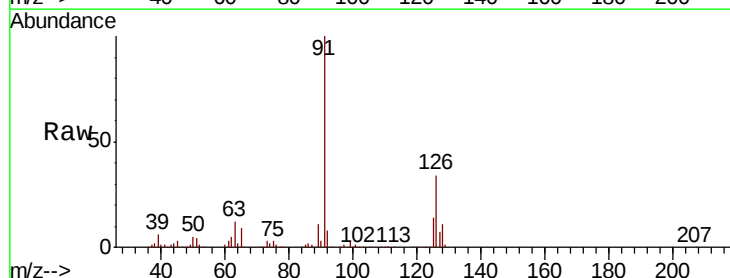
Acq: 7 Dec 2018 15:25

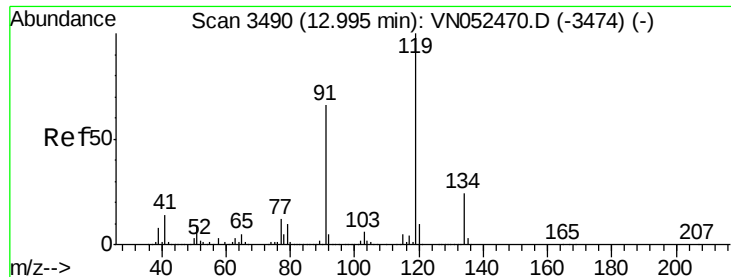
Tgt Ion: 91 Resp: 615476

Ion Ratio Lower Upper

91 100

126 33.8 16.9 50.6

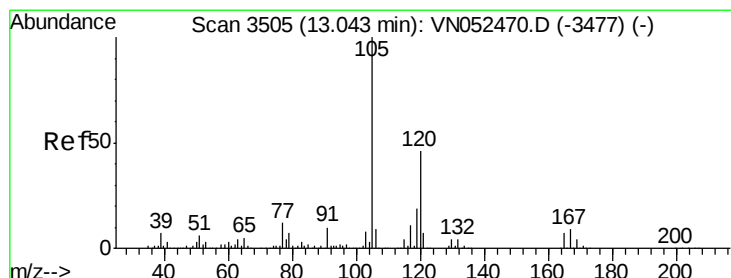
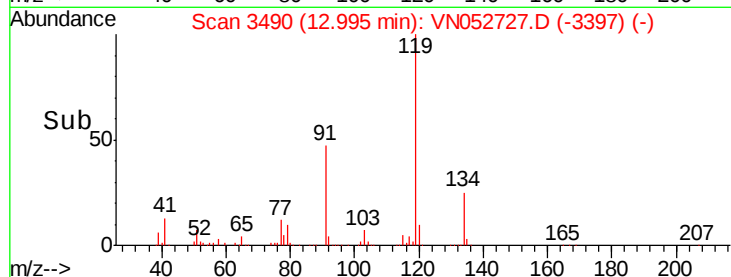
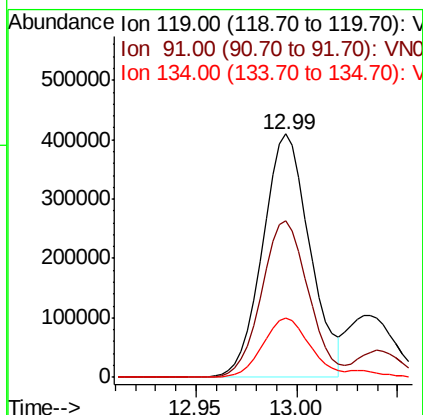
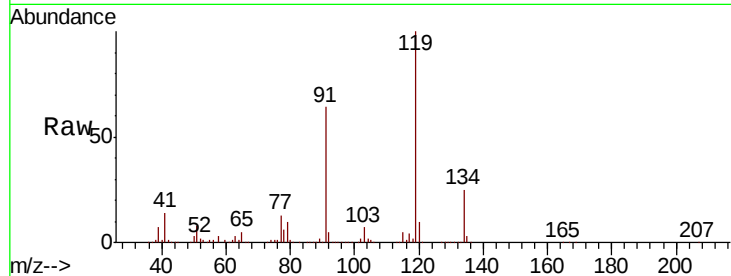




#83
 tert-Butylbenzene
 Concen: 21.587 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

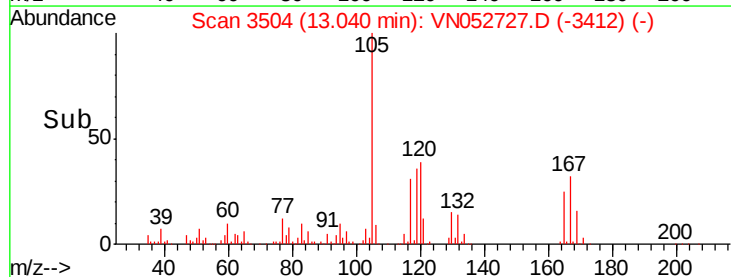
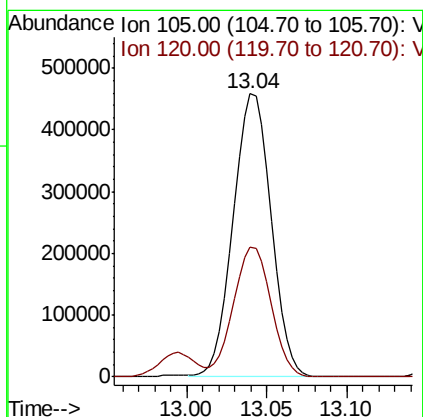
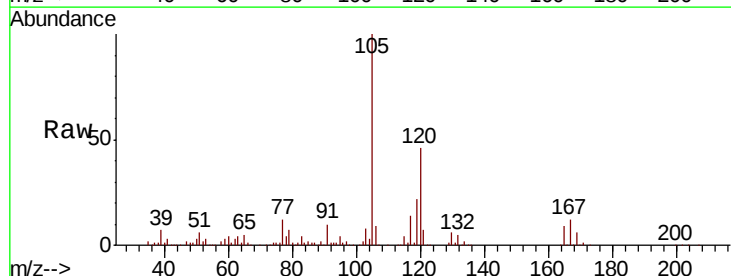
Instrument :
 MSVOA_N
 ClientSampleID :
 VN1207WBSD02

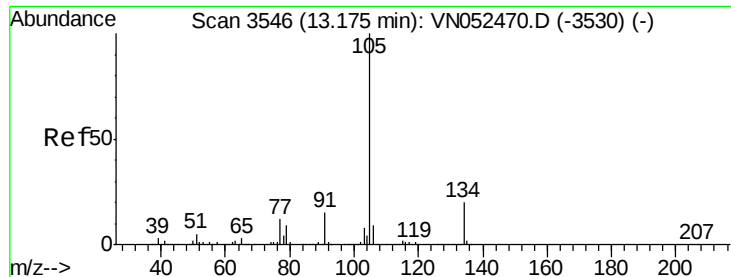
Tot Ion:119 Resp: 666736
 Ion Ratio Lower Upper
 119 100
 91 63.9 32.3 96.9
 134 24.4 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 21.273 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion:105 Resp: 738593
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.8 68.4





#85

sec-Butylbenzene

Concen: 21.109 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

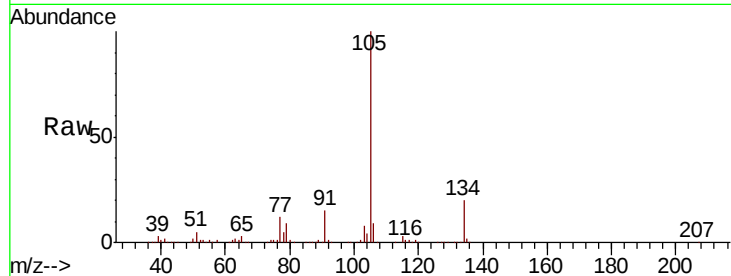
VN1207WBSD02

Tot Ion:105 Resp: 887987

Ion Ratio Lower Upper

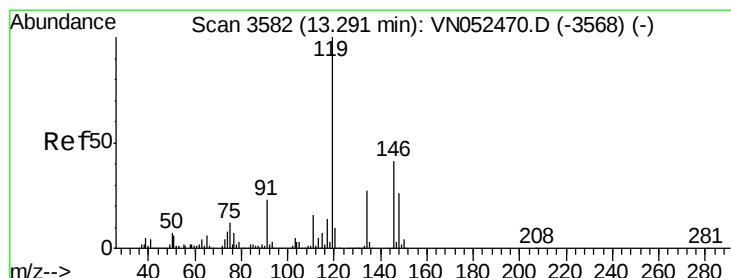
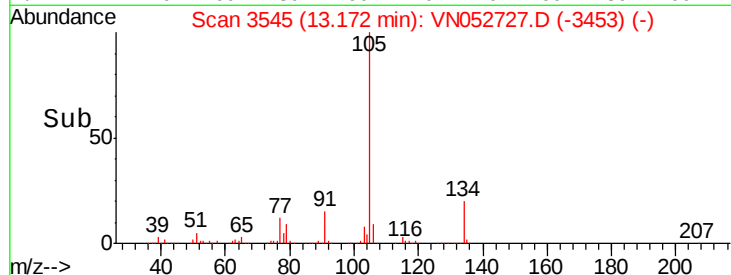
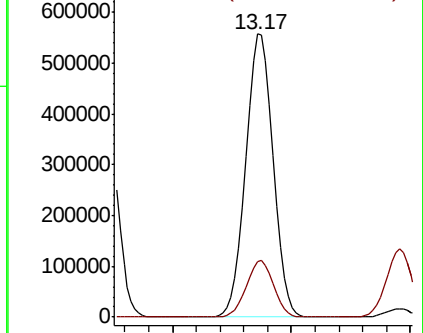
105 100

134 19.9 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.989 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

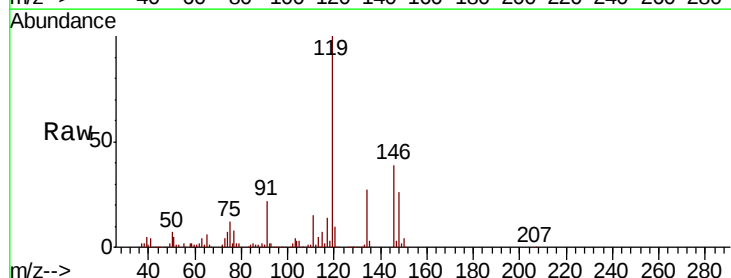
Tgt Ion:119 Resp: 752048

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

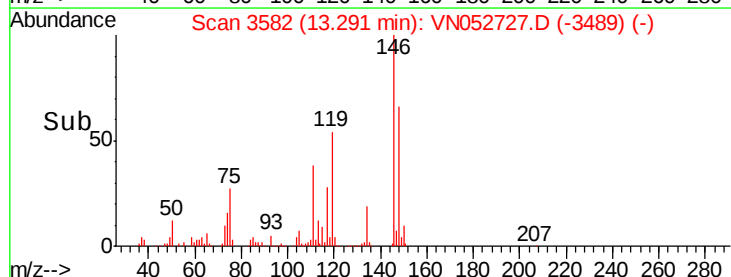
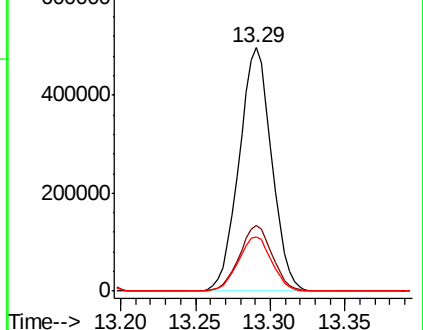
91 22.8 11.4 34.2

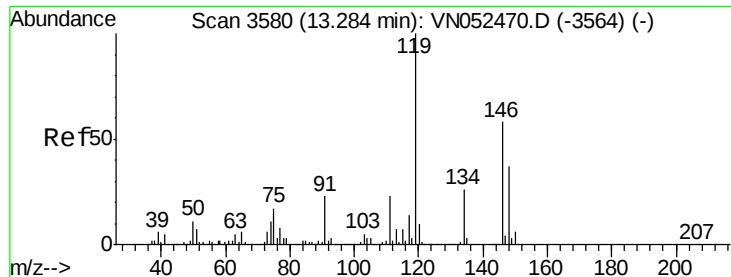


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

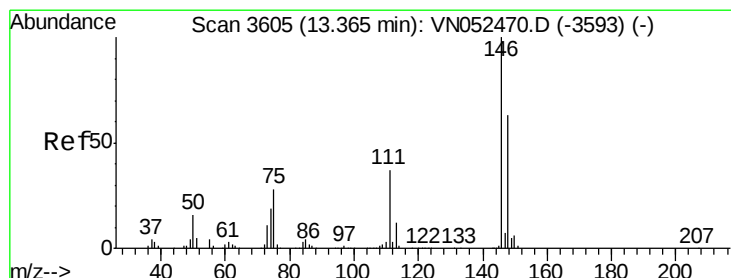
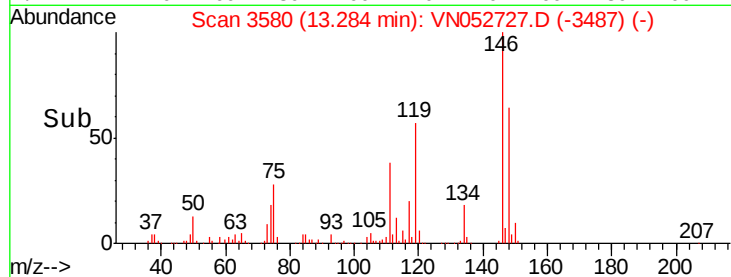
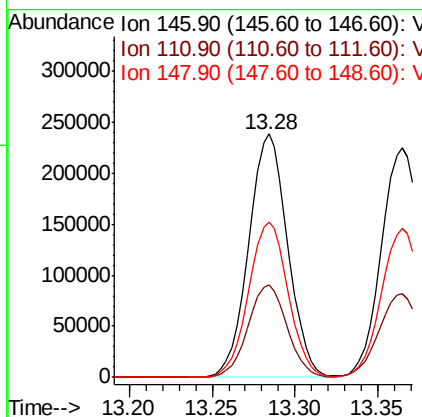
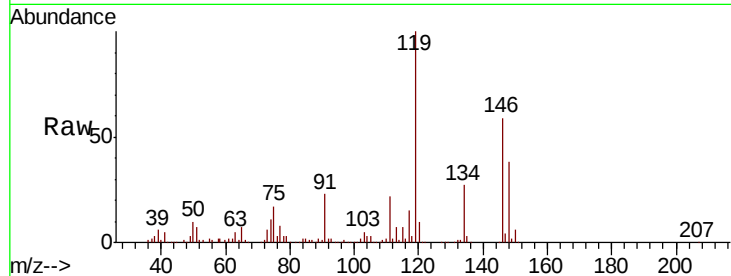




#87
 1,3-Dichlorobenzene
 Concen: 20.762 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

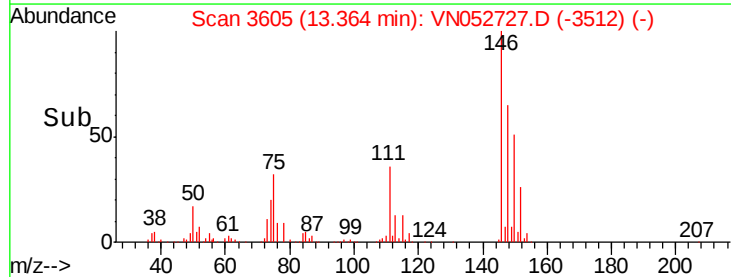
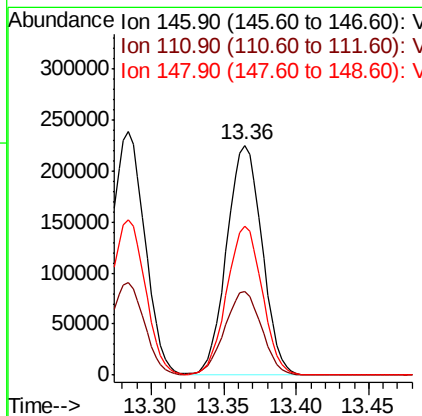
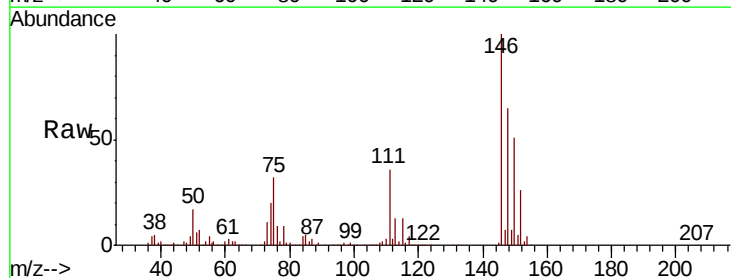
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Tot Ion:146 Resp: 389939
 Ion Ratio Lower Upper
 146 100
 111 38.2 19.4 58.4
 148 64.8 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 20.560 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion:146 Resp: 380352
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.6 56.0
 148 65.1 31.9 95.9





#89

n-Butylbenzene

Concen: 20.261 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

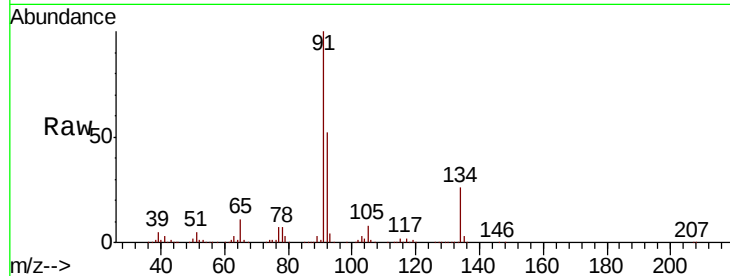
Tot Ion: 91 Resp: 603734

Ion Ratio Lower Upper

91 100

92 51.8 26.1 78.3

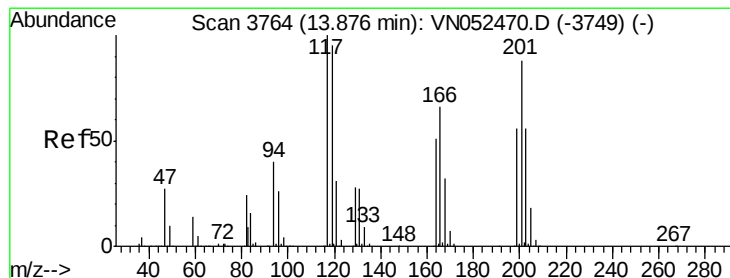
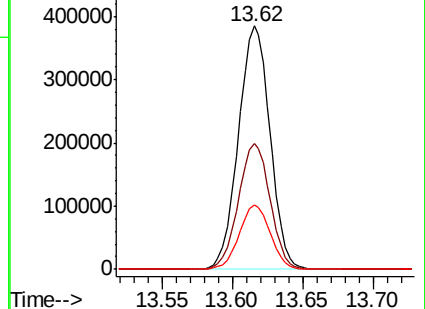
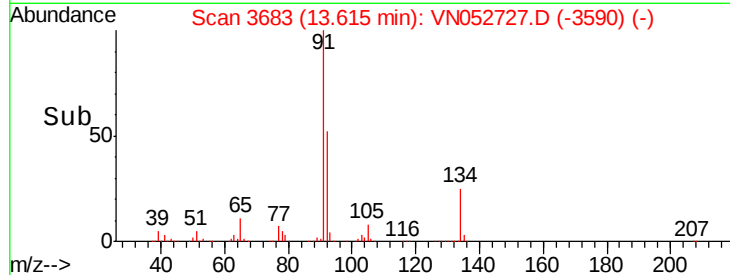
134 26.1 13.0 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN052727.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052727.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052727.D (-3667) (-)



#90

Hexachloroethane

Concen: 21.218 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN052727.D

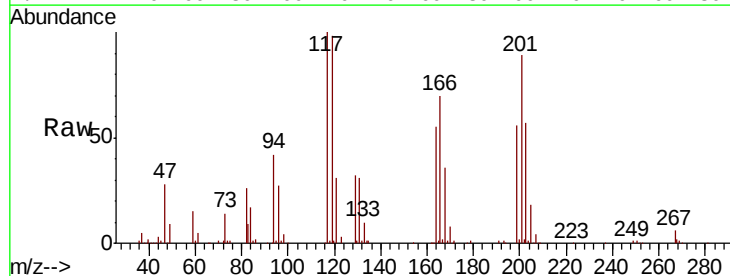
Acq: 7 Dec 2018 15:25

Tgt Ion: 117 Resp: 128725

Ion Ratio Lower Upper

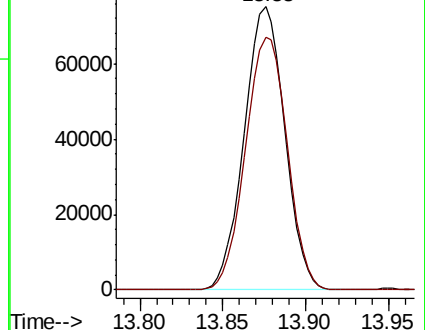
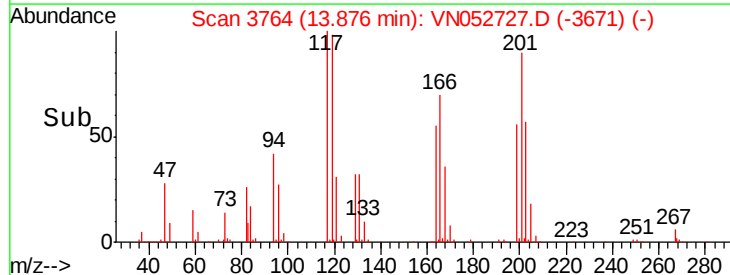
117 100

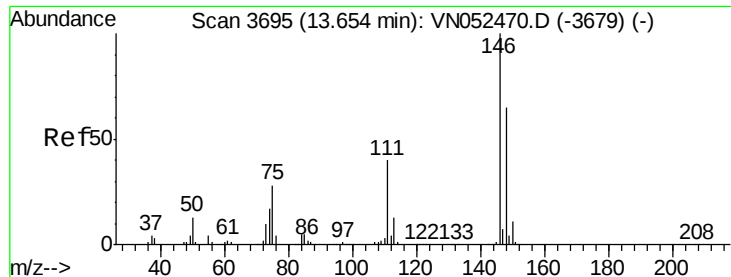
201 91.6 43.6 130.9



Abundance Ion 116.80 (116.50 to 117.50): VN052727.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052727.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 21.466 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

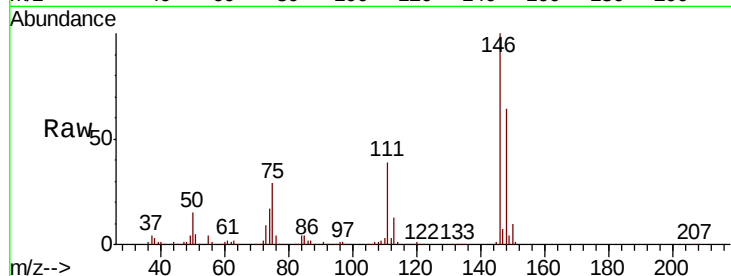
Tot Ion:146 Resp: 385179

Ion Ratio Lower Upper

146 100

111 39.5 20.0 60.0

148 64.6 32.0 96.2

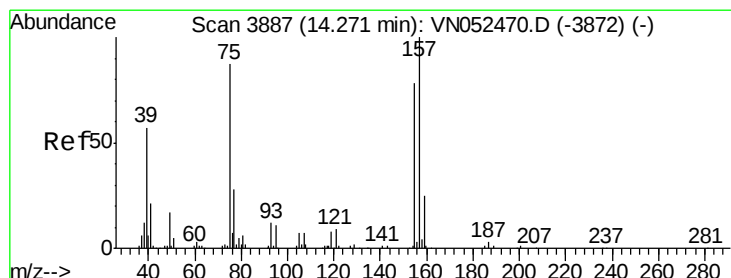
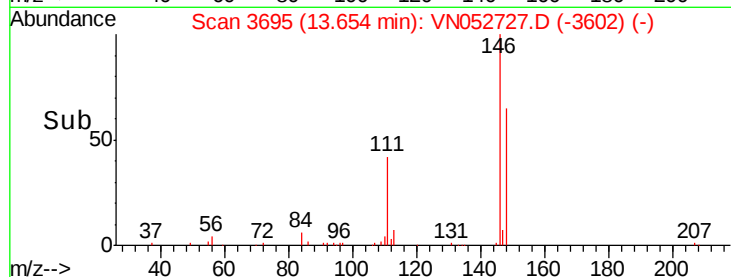
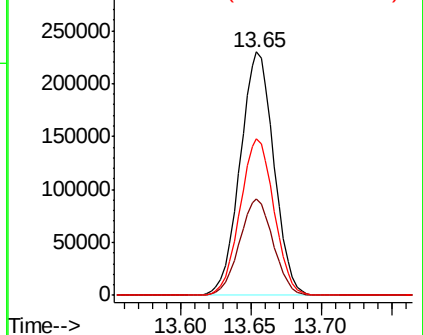


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.169 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

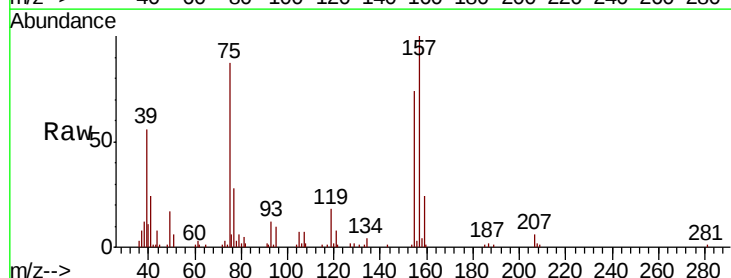
Tgt Ion: 75 Resp: 31331

Ion Ratio Lower Upper

75 100

155 89.1 45.3 135.9

157 115.5 58.1 174.2

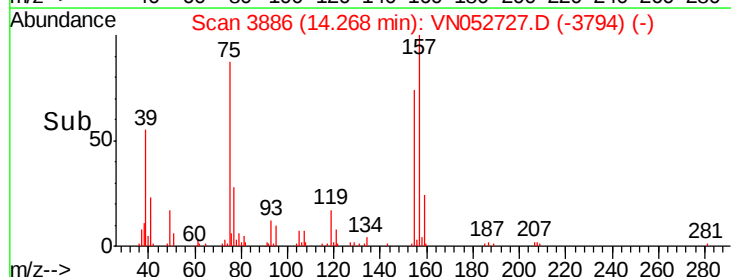
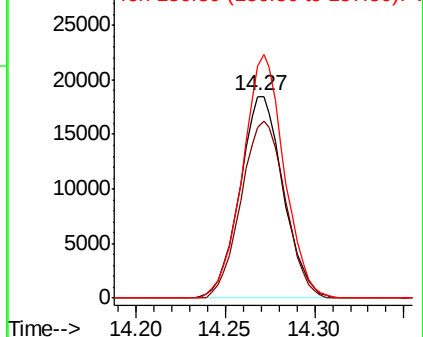


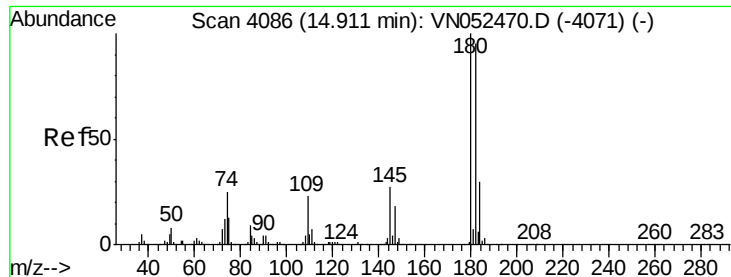
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

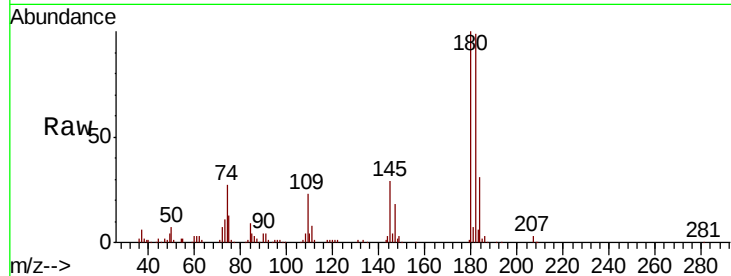




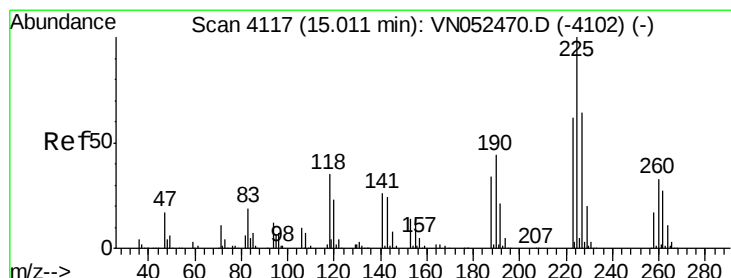
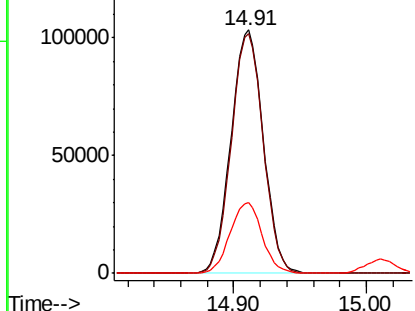
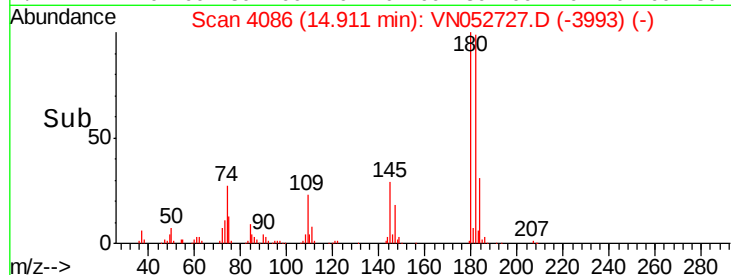
#93
 1,2,4-Trichlorobenzene
 Concen: 19.618 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1207WBSD02

Tot Ion:180 Resp: 174925
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.8 143.4
 145 28.7 14.1 42.3

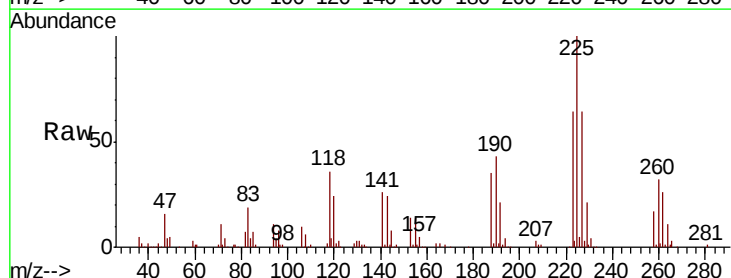


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

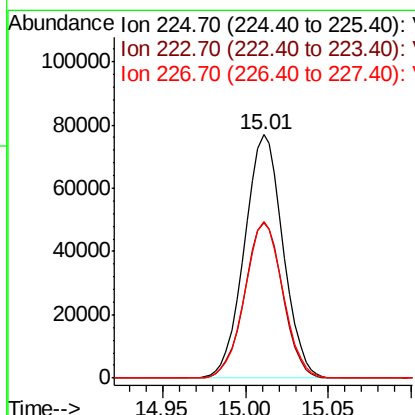
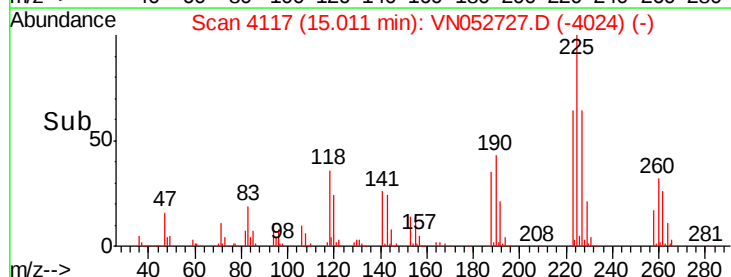


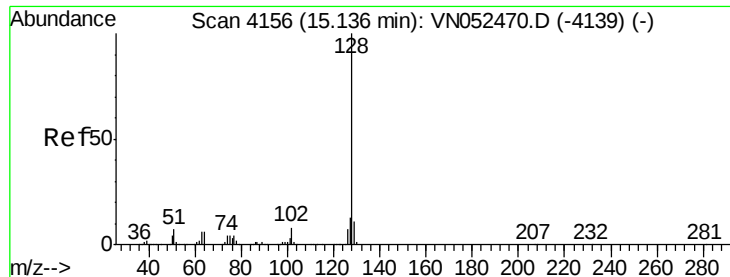
#94
 Hexachlorobutadiene
 Concen: 21.588 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052727.D
 Acq: 7 Dec 2018 15:25

Tgt Ion:225 Resp: 124621
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.4 94.2
 227 63.6 32.5 97.4



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





#95

Naphthalene

Concen: 19.224 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

Instrument :

MSVOA_N

ClientSampleId :

VN1207WBSD02

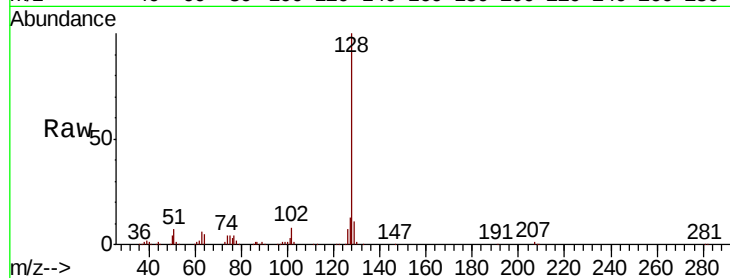
Tot Ion:128 Resp: 353515

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

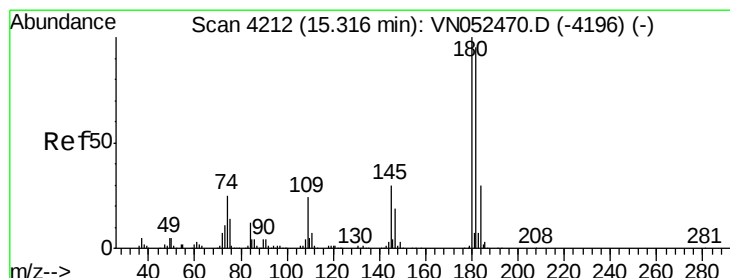
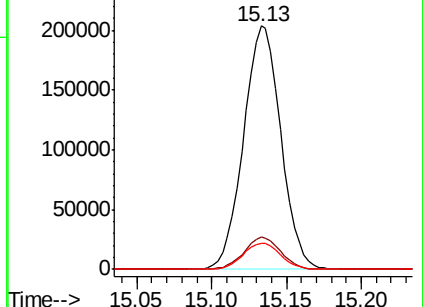
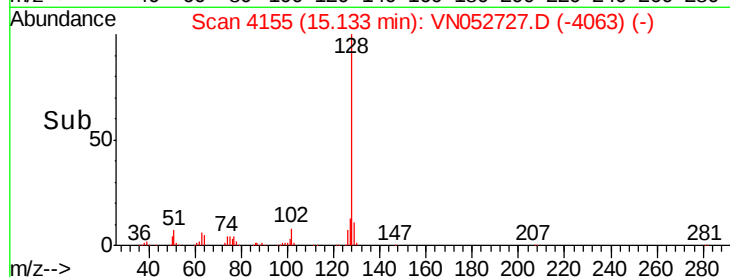
129 10.8 8.7 13.1



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: 20.537 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052727.D

Acq: 7 Dec 2018 15:25

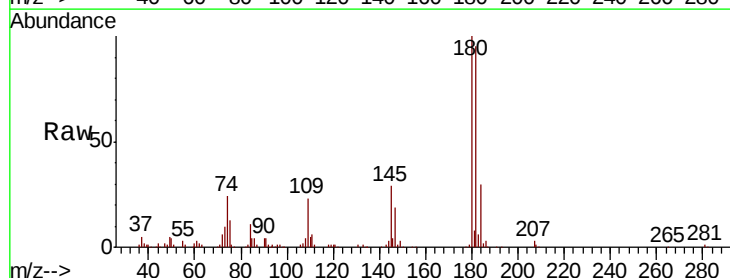
Tgt Ion:180 Resp: 170250

Ion Ratio Lower Upper

180 100

182 94.9 47.8 143.3

145 30.0 15.2 45.5



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

