

Data File : VN052469.D
Acq On : 27 Nov 2018 10:05
Operator : MD\SY
Sample : VSTDIC020
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Quant Time: Nov 28 00:44:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 28 00:40:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1014820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1592376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1408669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	610948	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	211680	19.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.32%	
35) Dibromofluoromethane	7.59	113	187862	19.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.28%	
50) Toluene-d8	10.09	98	718206	18.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.58%	
62) 4-Bromofluorobenzene	12.40	95	233038	18.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	188023	19.788	ug/l	98
3) Chloromethane	2.06	50	245816	19.598	ug/l	100
4) Vinyl Chloride	2.19	62	254937	19.786	ug/l	100
5) Bromomethane	2.58	94	148918	18.524	ug/l	99
6) Chloroethane	2.71	64	153959	19.727	ug/l	98
7) Trichlorofluoromethane	3.02	101	314596	19.877	ug/l	99
8) Diethyl Ether	3.41	74	116464	19.927	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	194457	19.690	ug/l	99
10) Methyl Iodide	3.96	142	247763	18.836	ug/l	99
11) Tert butyl alcohol	4.78	59	49612	89.687	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	188098	19.787	ug/l	99
13) Acrolein	3.61	56	87362	100.391	ug/l	100
14) Allyl chloride	4.33	41	324931	19.832	ug/l	99
15) Acrylonitrile	4.99	53	349423	99.788	ug/l	99
16) Acetone	3.82	43	285146	97.840	ug/l	98
17) Carbon Disulfide	4.06	76	573139	19.158	ug/l	100
18) Methyl Acetate	4.33	43	164111	19.631	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	499844	19.763	ug/l	99
20) Methylene Chloride	4.56	84	217259	19.050	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	198081	19.510	ug/l	97
22) Diisopropyl ether	5.95	45	690108	20.053	ug/l	98
23) Vinyl Acetate	5.90	43	2107655	98.325	ug/l	99
24) 1,1-Dichloroethane	5.85	63	390382	19.867	ug/l	99
25) 2-Butanone	6.83	43	407047	98.537	ug/l	100
26) 2,2-Dichloropropane	6.82	77	264013	19.411	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	229529	19.408	ug/l	98
28) Bromochloromethane	7.19	49	178522	19.891	ug/l	99
29) Tetrahydrofuran	7.21	42	264791	99.381	ug/l	98
30) Chloroform	7.37	83	379534	19.359	ug/l	98
31) Cyclohexane	7.65	56	379749	17.274	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	304874	19.628	ug/l	100
36) 1,1-Dichloropropene	7.79	75	292858	19.476	ug/l	100
37) Ethyl Acetate	6.93	43	176943	19.281	ug/l	99
38) Carbon Tetrachloride	7.77	117	263955	19.390	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	359091	19.647	ug/l	100
40) Benzene	8.04	78	890789	19.878	ug/l	100
41) Methacrylonitrile	7.17	41	95052	18.945	ug/l	93
42) 1,2-Dichloroethane	8.12	62	271155	19.983	ug/l	99
43) Isopropyl Acetate	8.16	43	298975	19.251	ug/l	99
44) Trichloroethene	8.84	130	225757	19.667	ug/l	100
45) 1,2-Dichloropropane	9.12	63	236126	19.819	ug/l	97
46) Dibromomethane	9.21	93	134135	20.337	ug/l	98
47) Bromodichloromethane	9.40	83	281453	19.627	ug/l	99
48) Methyl methacrylate	9.20	41	154447	19.072	ug/l	99
49) 1,4-Dioxane	9.20	88	32096	381.897	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	861703	98.891	ug/l	100
52) Toluene	10.16	92	529778	19.897	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	263819	19.124	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	322987	19.537	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	188683	20.146	ug/l	99
56) Ethyl methacrylate	10.43	69	225799	19.590	ug/l	100
57) 1,3-Dichloropropane	10.71	76	330617	19.992	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	700343	103.052	ug/l	100
59) 2-Hexanone	10.75	43	580394	99.243	ug/l	100
60) Dibromochloromethane	10.90	129	198131	19.478	ug/l	99
61) 1,2-Dibromoethane	11.01	107	182020	19.567	ug/l	100
64) Tetrachloroethene	10.63	164	213256	19.526	ug/l	98
65) Chlorobenzene	11.43	112	571952	19.691	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	195858	19.393	ug/l	99
67) Ethyl Benzene	11.51	91	1006994	19.797	ug/l	98
68) m/p-Xylenes	11.62	106	752417	39.735	ug/l	100
69) o-Xylene	11.95	106	368332	20.031	ug/l	100
70) Styrene	11.96	104	582663	19.894	ug/l	99
71) Bromoform	12.13	173	132129	19.758	ug/l #	98
73) Isopropylbenzene	12.25	105	964410	20.120	ug/l	99
74) N-amyl acetate	12.07	43	233790	19.306	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	218055	19.998	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	268260	29.603	ug/l #	100
77) Bromobenzene	12.53	156	235223	19.854	ug/l	99
78) n-propylbenzene	12.59	91	1101207	20.223	ug/l	100
79) 2-Chlorotoluene	12.68	91	654400	20.180	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	784108	20.511	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	53036	18.800	ug/l	94
82) 4-Chlorotoluene	12.77	91	654228	20.018	ug/l	99
83) tert-Butylbenzene	12.99	119	687559	20.175	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	782736	20.431	ug/l	99
85) sec-Butylbenzene	13.17	105	934103	20.123	ug/l	100
86) p-Isopropyltoluene	13.29	119	799329	20.217	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	412906	19.924	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	401571	19.672	ug/l	99
89) n-Butylbenzene	13.62	91	655804	19.945	ug/l	100
90) Hexachloroethane	13.88	117	131075	19.580	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	394575	19.928	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29207	18.729	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN112718\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	181652	19.402	ug/l	99
94) Hexachlorobutadiene	15.01	225	126721	19.894	ug/l	99
95) Naphthalene	15.14	128	375398	19.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	175251	20.042	ug/l	100

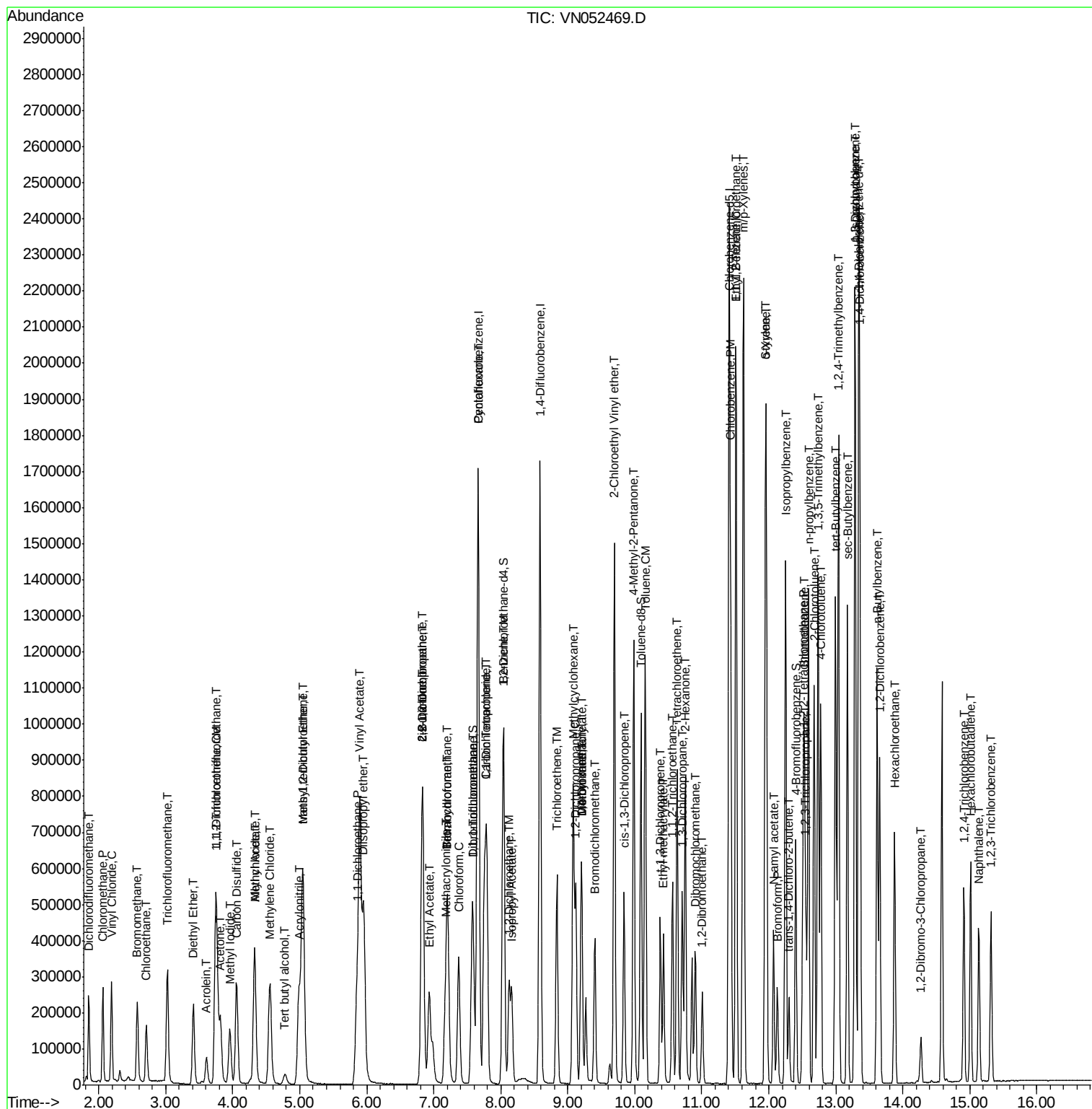
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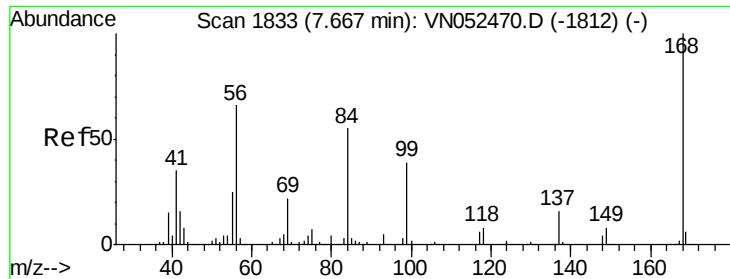
Data File : VN052469.D

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

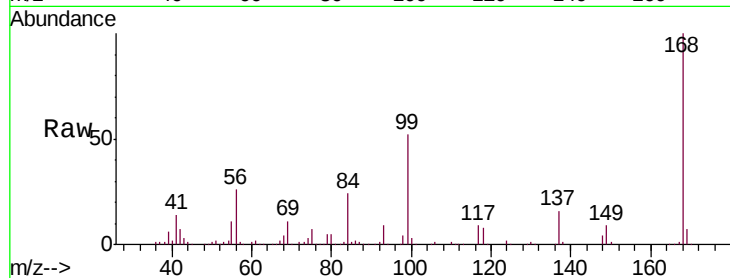
VSTDIC020

Tgt Ion:168 Resp: 1014820

Ion Ratio Lower Upper

168 100

99 52.0 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

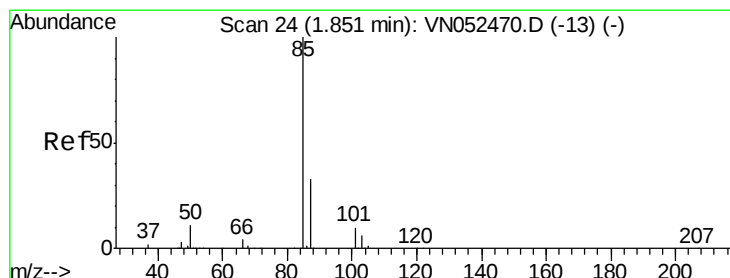
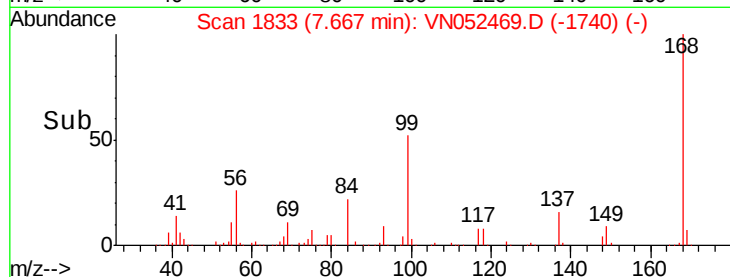
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.788 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052469.D

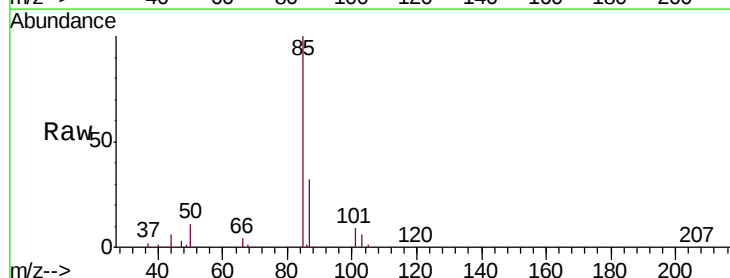
Acq: 27 Nov 2018 10:05

Tgt Ion: 85 Resp: 188023

Ion Ratio Lower Upper

85 100

87 32.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

150000

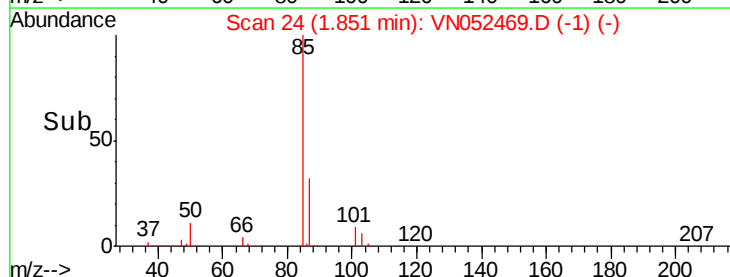
100000

50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.598 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

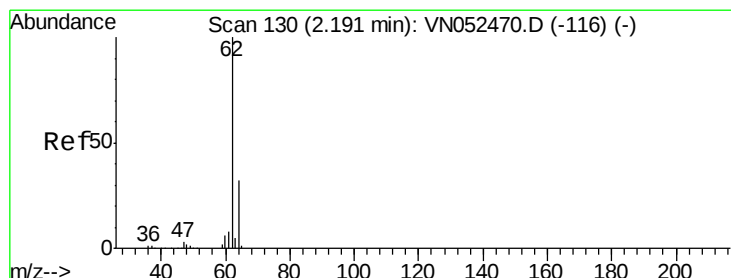
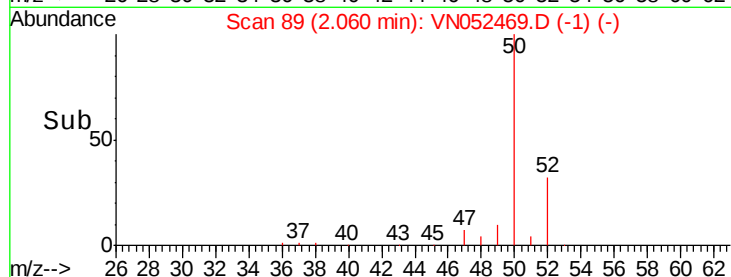
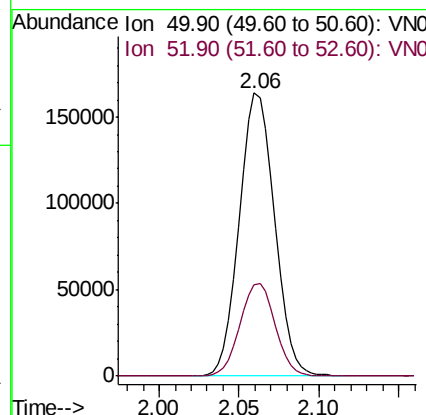
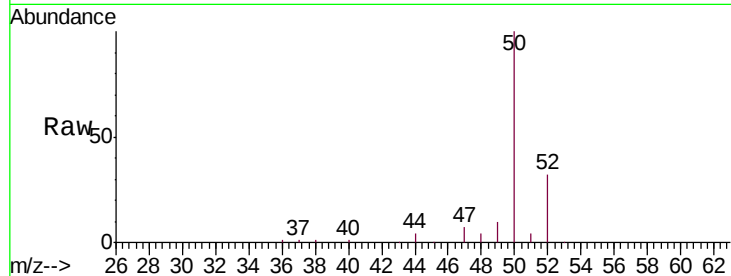
VSTDIC020

Tgt Ion: 50 Resp: 245816

Ion Ratio Lower Upper

50 100

52 32.3 25.9 38.9



#4

Vinyl Chloride

Concen: 19.786 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052469.D

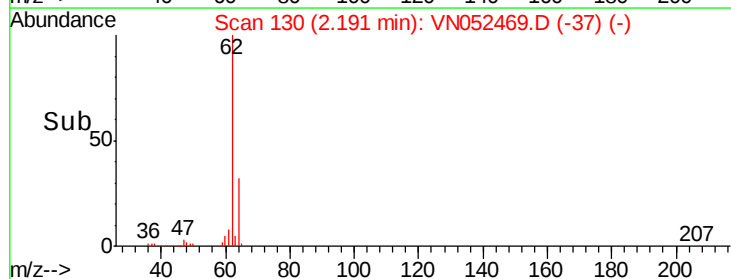
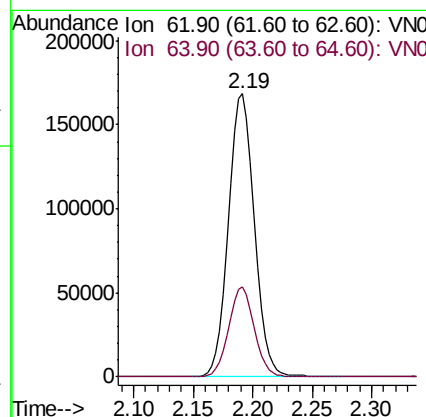
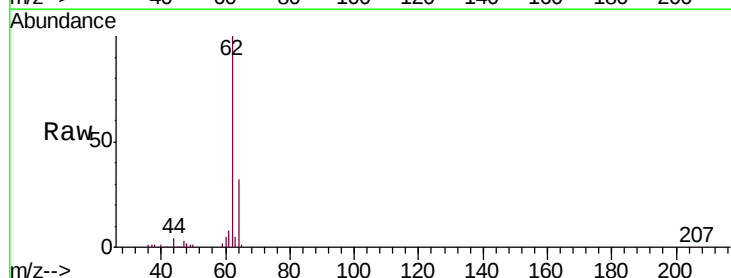
Acq: 27 Nov 2018 10:05

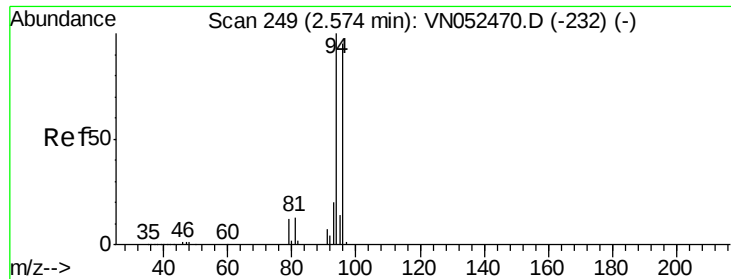
Tgt Ion: 62 Resp: 254937

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2





#5

Bromomethane

Concen: 18.524 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

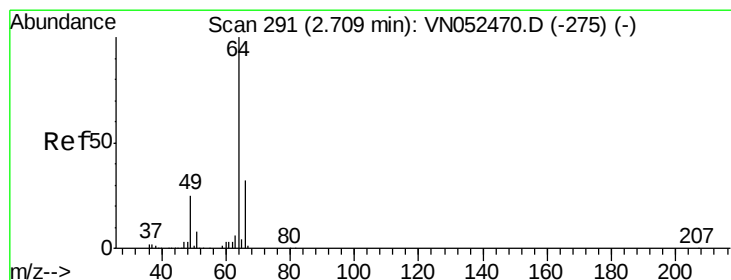
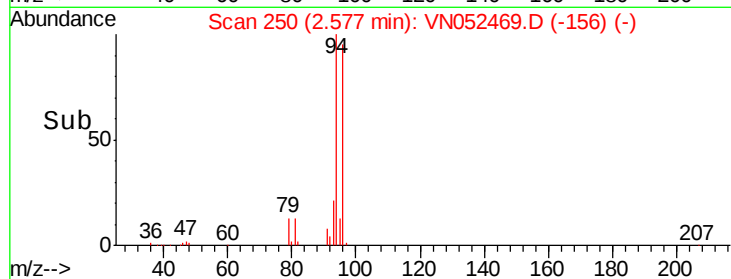
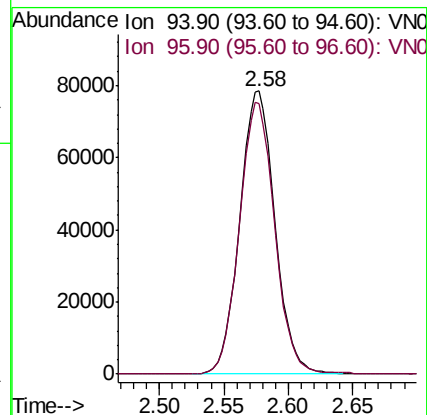
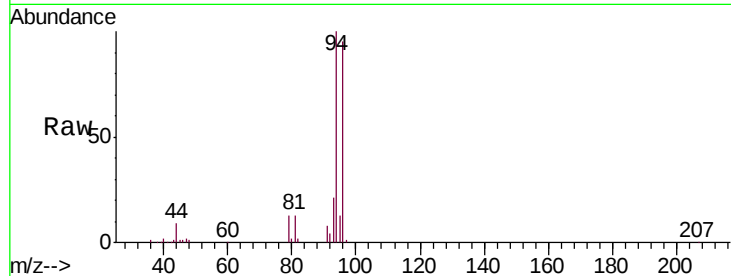
VSTDIC020

Tgt Ion: 94 Resp: 148918

Ion Ratio Lower Upper

94 100

96 95.4 75.8 113.8



#6

Chloroethane

Concen: 19.727 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052469.D

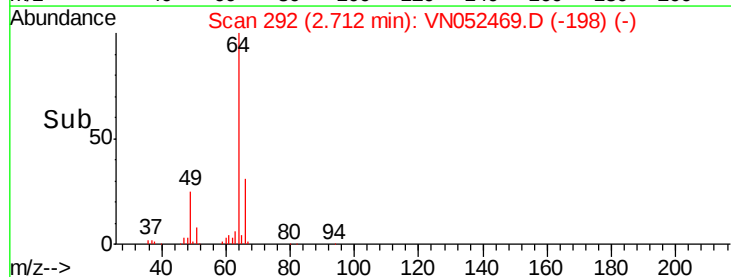
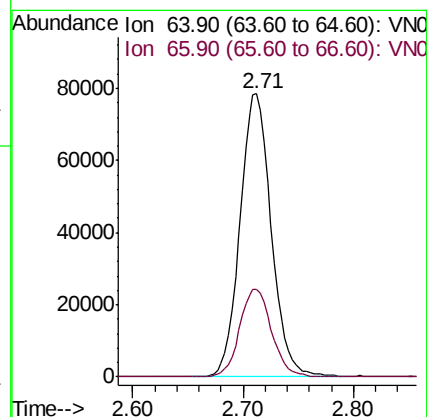
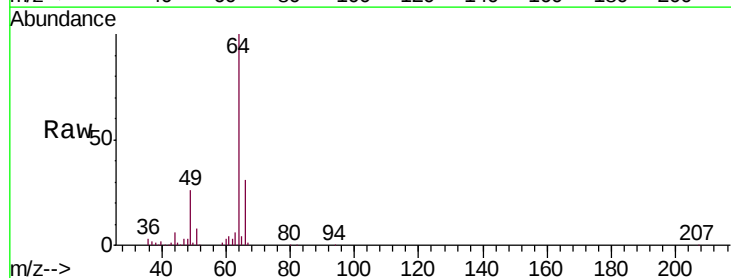
Acq: 27 Nov 2018 10:05

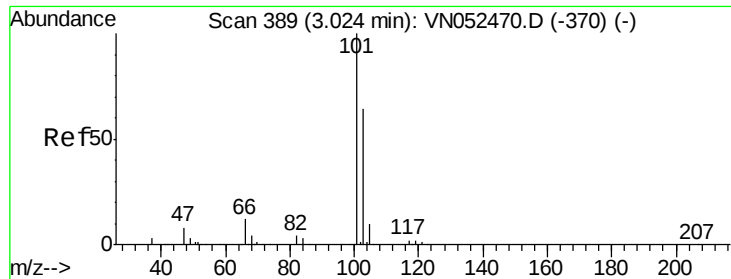
Tgt Ion: 64 Resp: 153959

Ion Ratio Lower Upper

64 100

66 31.0 25.7 38.5



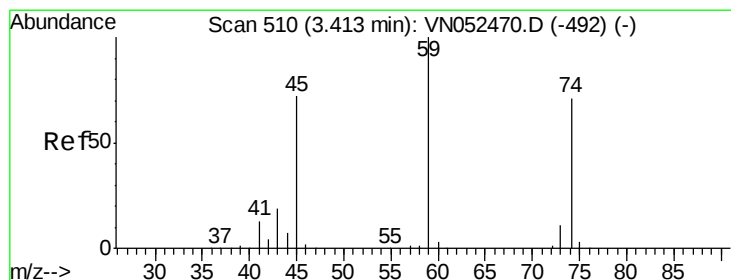
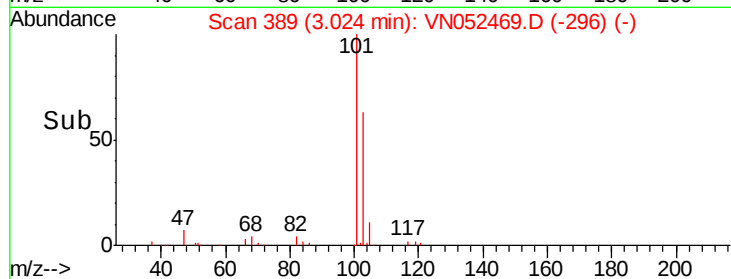
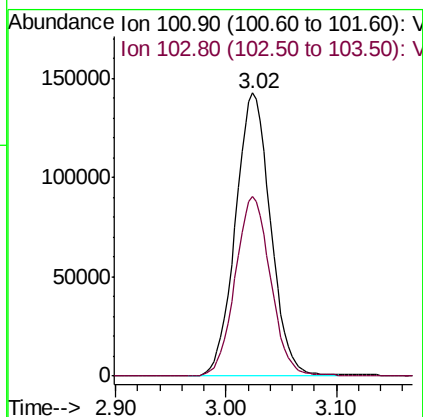
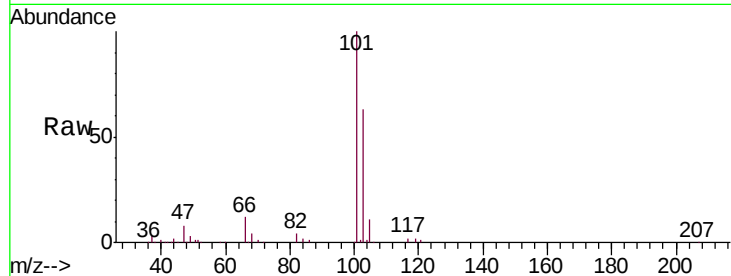


#7

Trichlorofluoromethane
 Concen: 19.877 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

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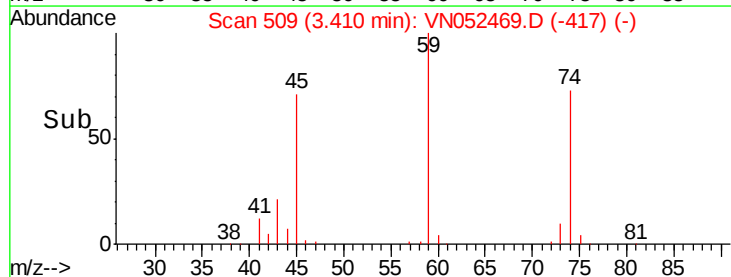
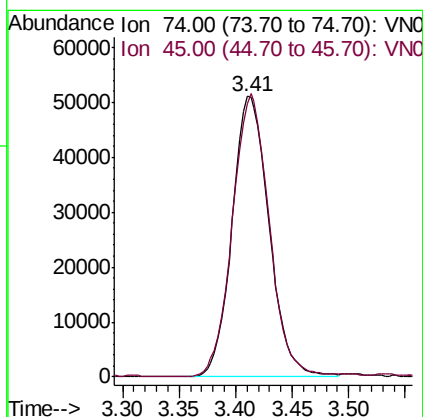
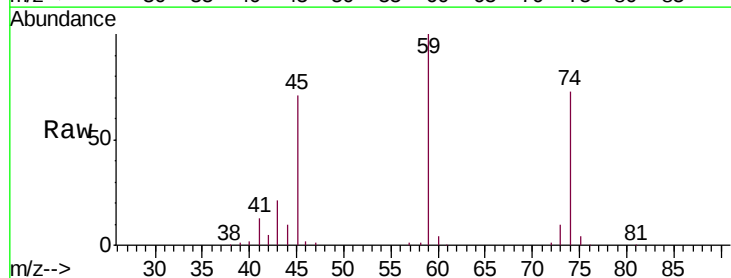
Tgt Ion:101 Resp: 314596
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.4 77.2

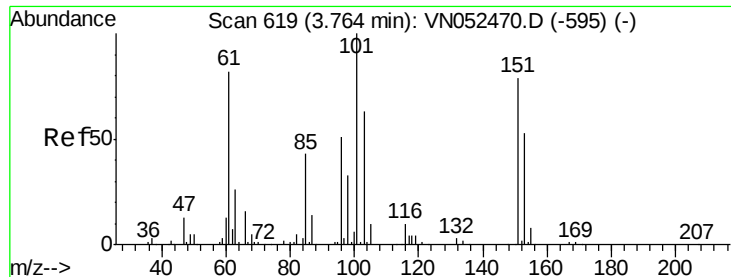


#8

Diethyl Ether
 Concen: 19.927 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion: 74 Resp: 116464
 Ion Ratio Lower Upper
 74 100
 45 100.5 50.4 151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.690 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

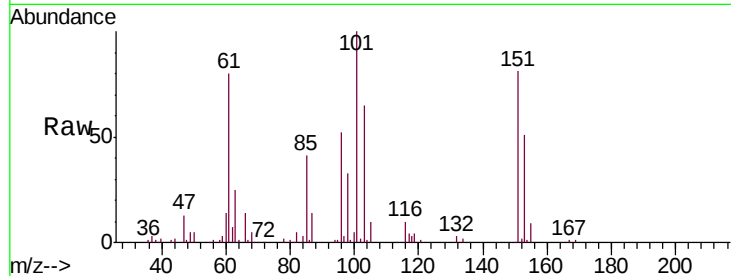
Tgt Ion:101 Resp: 194457

Ion Ratio Lower Upper

101 100

85 42.6 34.2 51.4

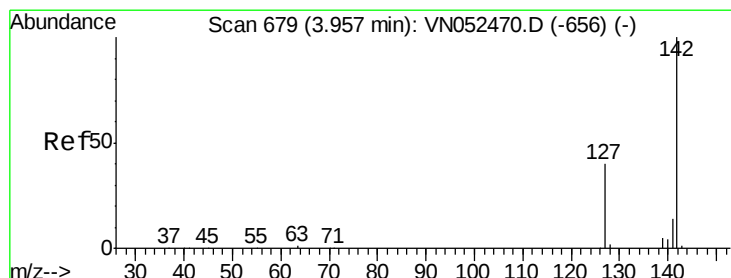
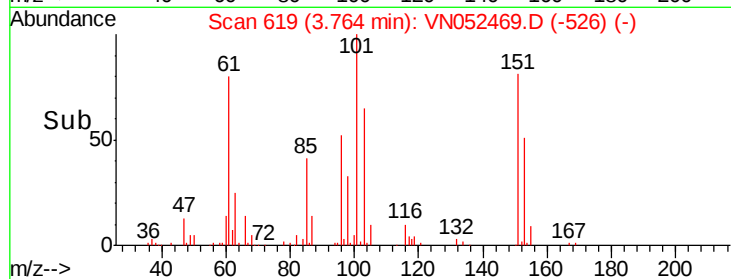
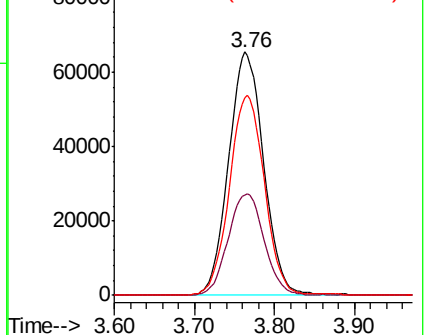
151 81.9 64.6 96.8



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: 18.836 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

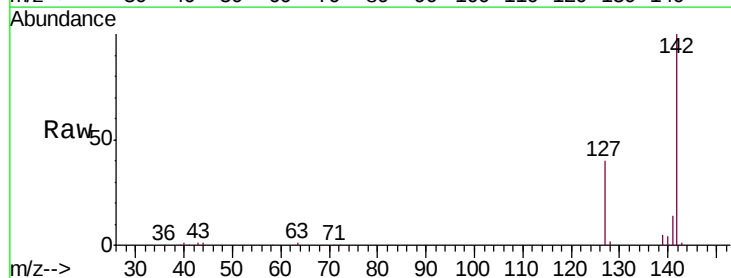
Tgt Ion:142 Resp: 247763

Ion Ratio Lower Upper

142 100

127 40.2 31.8 47.6

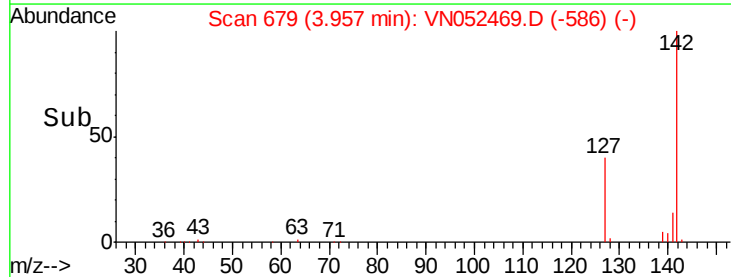
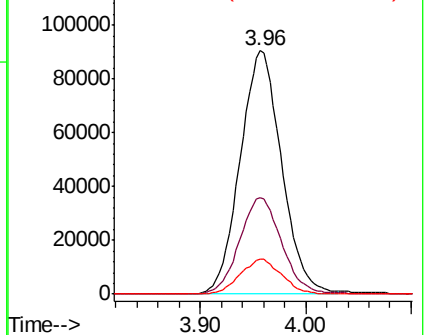
141 14.3 11.4 17.0

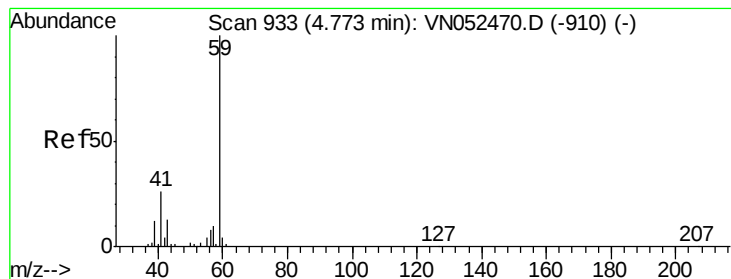


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



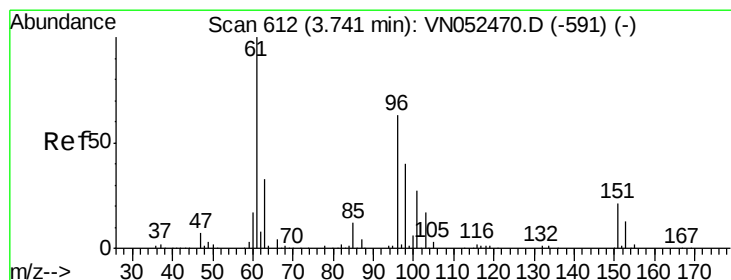
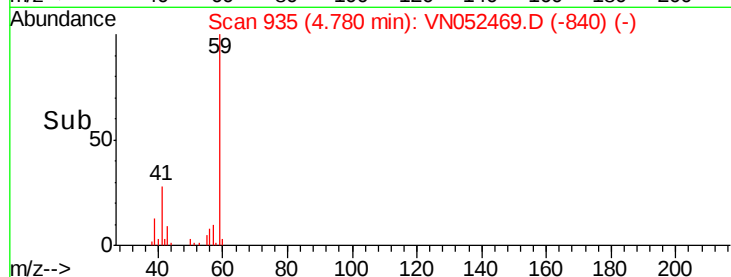
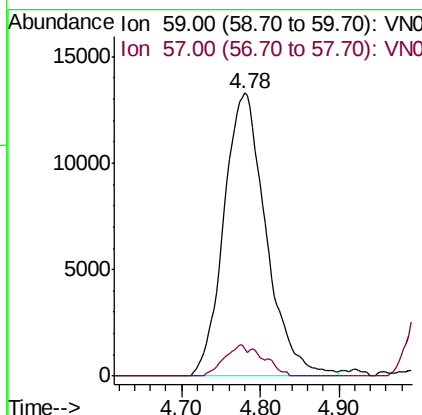
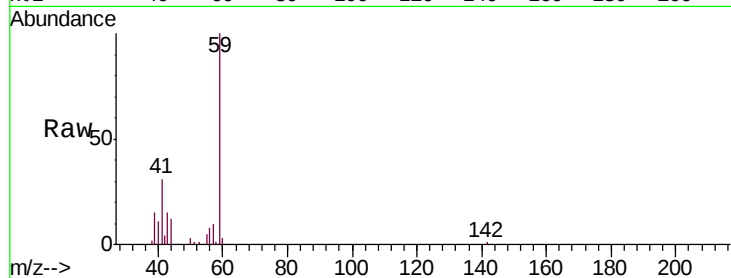


#11

Tert butyl alcohol
 Concen: 89.687 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

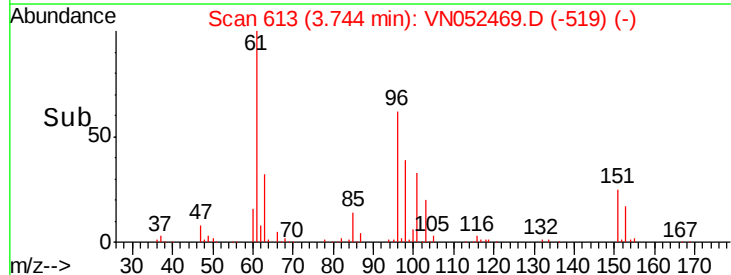
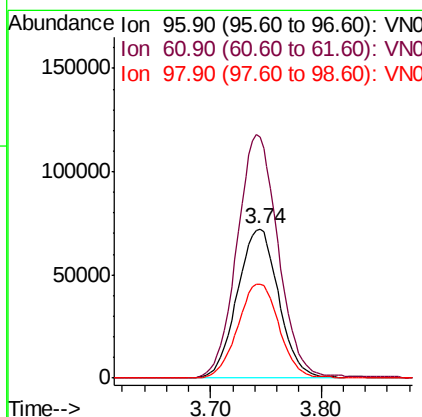
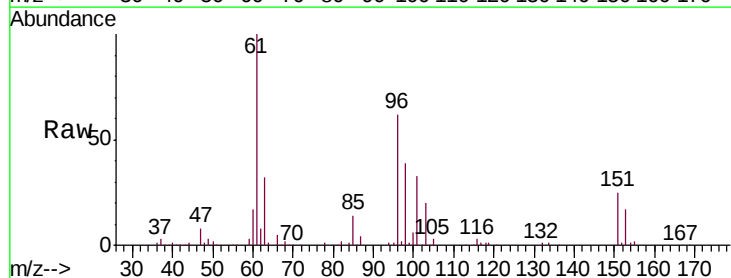
Tgt Ion: 59 Resp: 49612
 Ion Ratio Lower Upper
 59 100
 57 5.7 7.9 11.9#

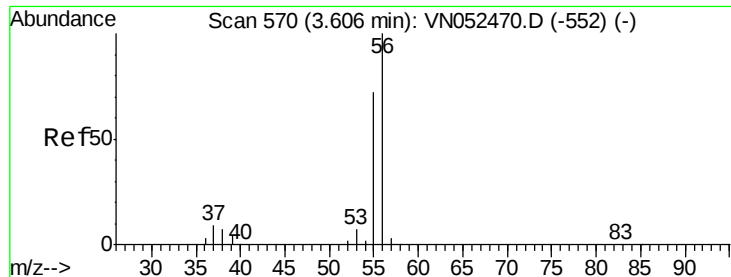


#12

1,1-Dichloroethene
 Concen: 19.787 ug/l
 RT: 3.74 min Scan# 613
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion: 96 Resp: 188098
 Ion Ratio Lower Upper
 96 100
 61 160.9 127.0 190.6
 98 63.1 50.3 75.5





#13

Acrolein

Concen: 100.391 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

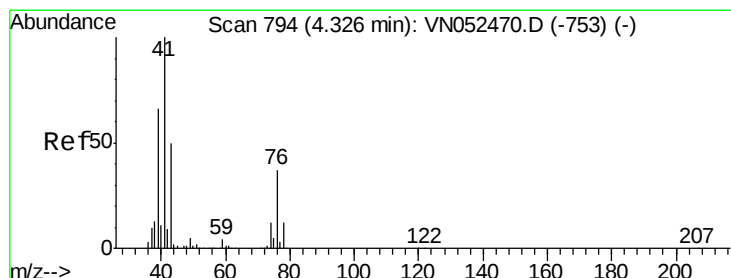
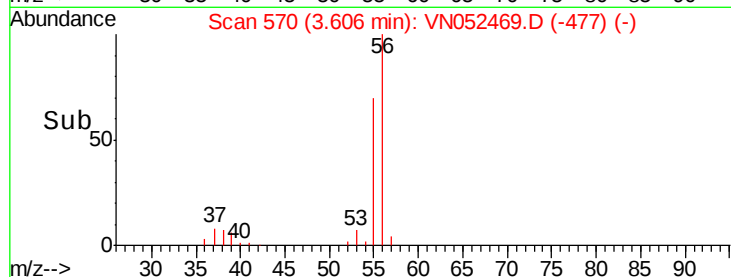
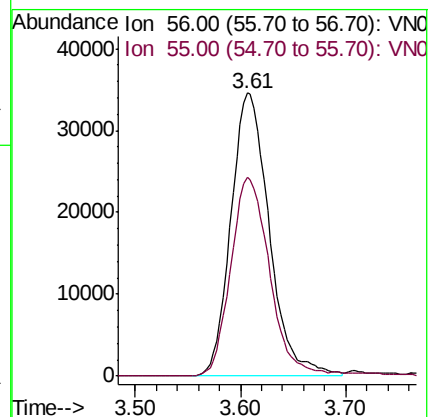
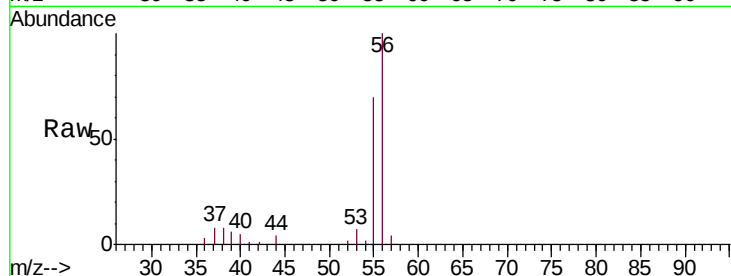
VSTDIC020

Tgt Ion: 56 Resp: 87362

Ion Ratio Lower Upper

56 100

55 70.8 56.8 85.2



#14

Allyl chloride

Concen: 19.832 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

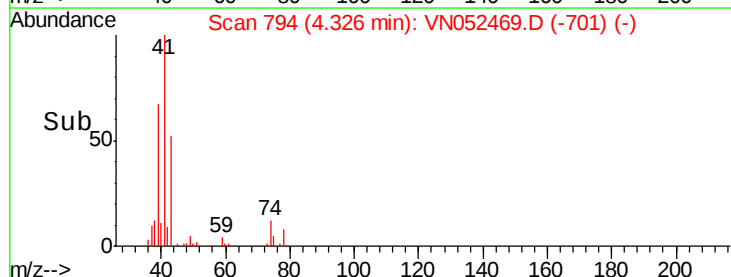
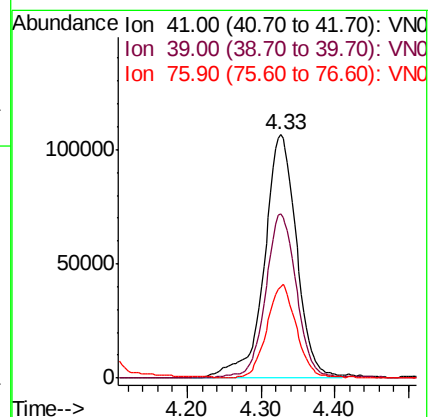
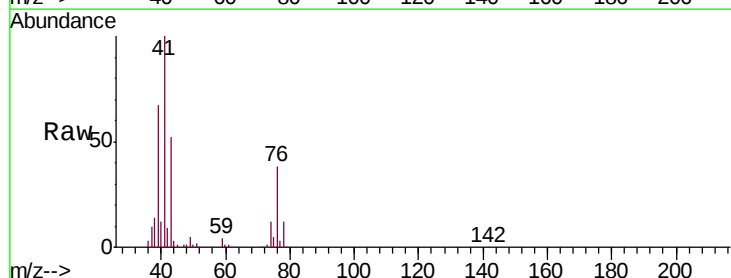
Tgt Ion: 41 Resp: 324931

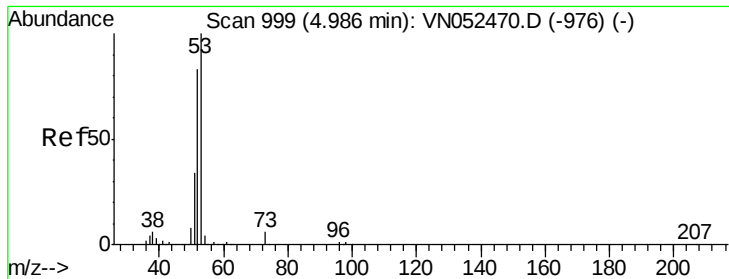
Ion Ratio Lower Upper

41 100

39 64.8 50.6 76.0

76 34.3 27.4 41.2





#15

Acrylonitrile

Concen: 99.788 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

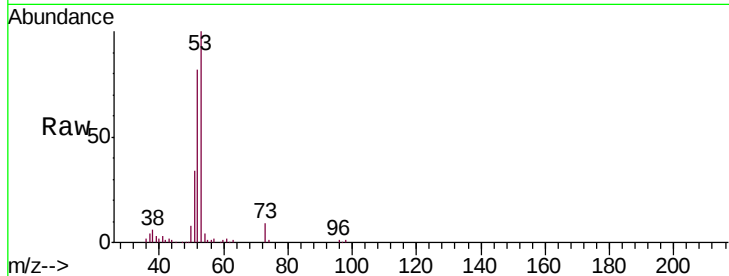
Tgt Ion: 53 Resp: 349423

Ion Ratio Lower Upper

53 100

52 81.2 66.2 99.2

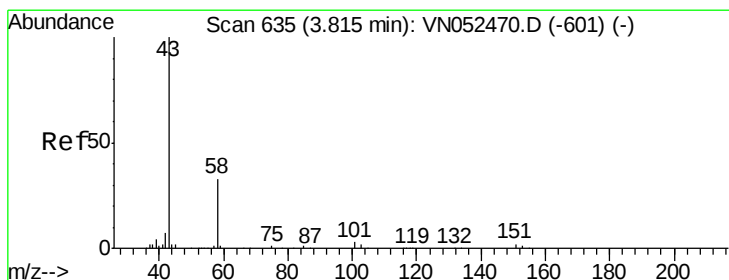
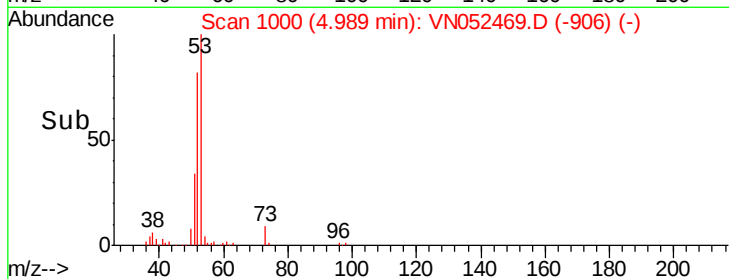
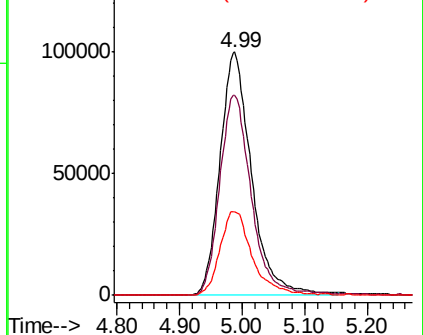
51 35.0 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN052470.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN052470.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN052470.D (-976) (-)



#16

Acetone

Concen: 97.840 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052469.D

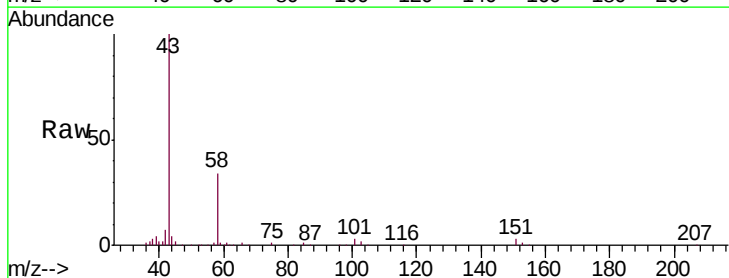
Acq: 27 Nov 2018 10:05

Tgt Ion: 43 Resp: 285146

Ion Ratio Lower Upper

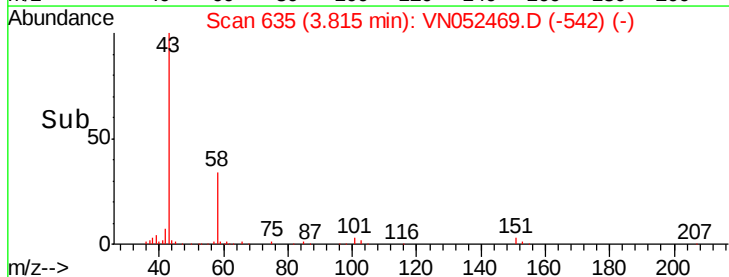
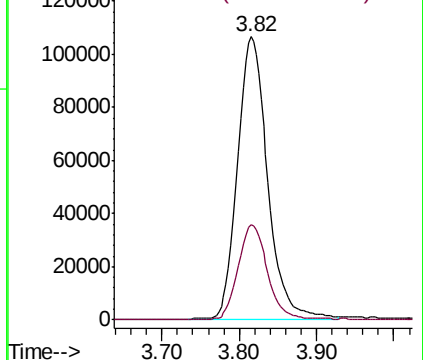
43 100

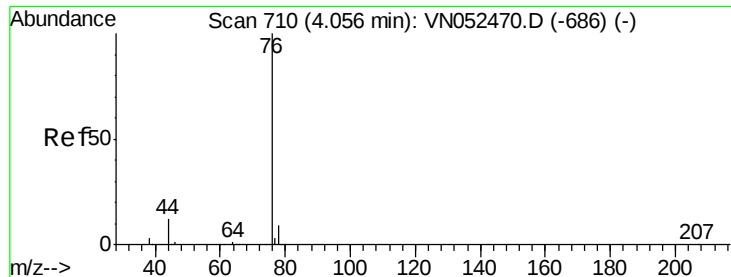
58 33.7 26.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-601) (-)





#17

Carbon Disulfide

Concen: 19.158 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

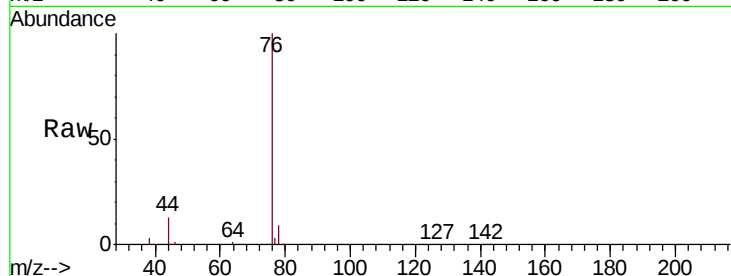
VSTDIC020

Tgt Ion: 76 Resp: 573139

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN052470.D (-686) (-)

Ion 77.90 (77.60 to 78.60): VN052470.D (-686) (-)

250000

200000

150000

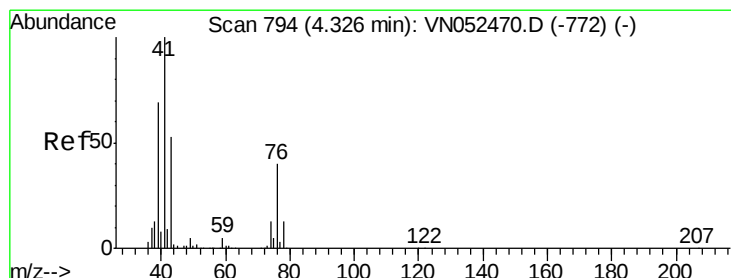
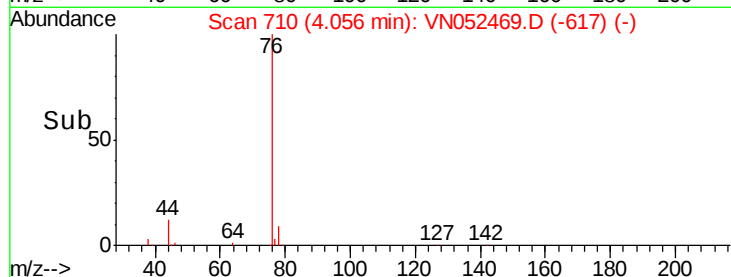
100000

50000

0

Time--> 3.90 4.00 4.10 4.20

4.06



#18

Methyl Acetate

Concen: 19.631 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052469.D

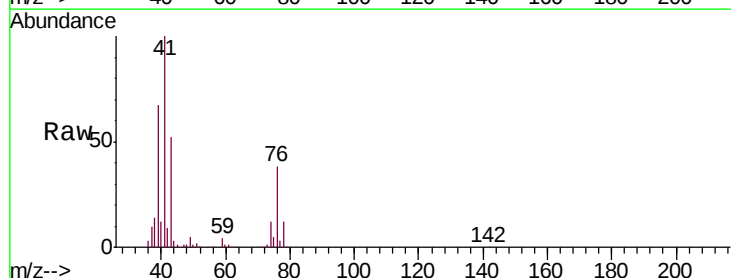
Acq: 27 Nov 2018 10:05

Tgt Ion: 43 Resp: 164111

Ion Ratio Lower Upper

43 100

74 23.0 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-772) (-)

Ion 74.00 (73.70 to 74.70): VN052470.D (-772) (-)

60000

50000

40000

30000

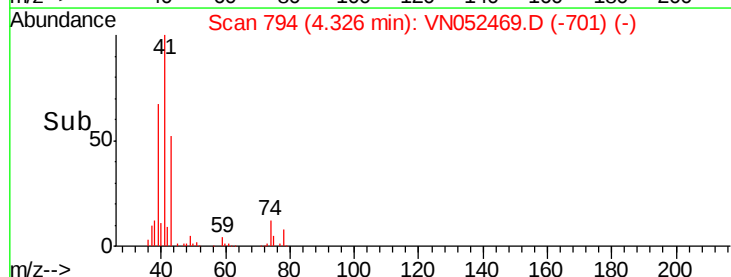
20000

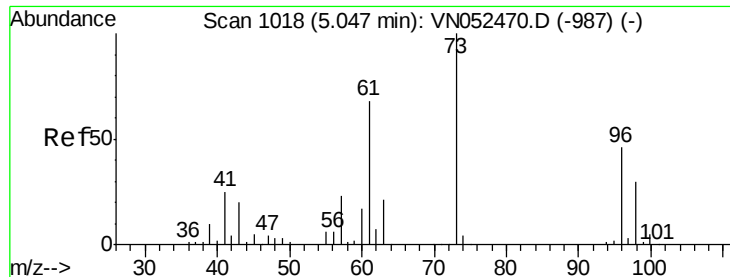
10000

0

Time--> 4.20 4.30 4.40

4.33





#19

Methyl tert-butyl Ether

Concen: 19.763 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

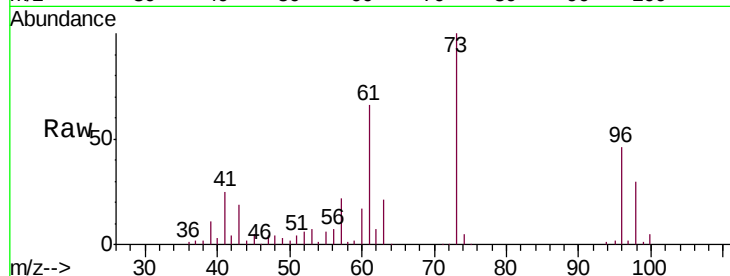
VSTDIC020

Tgt Ion: 73 Resp: 499844

Ion Ratio Lower Upper

73 100

57 22.1 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) (-)

5.05

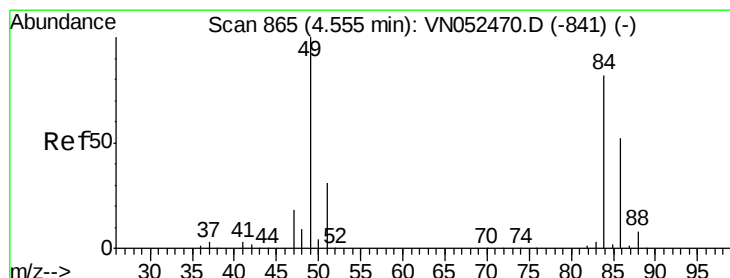
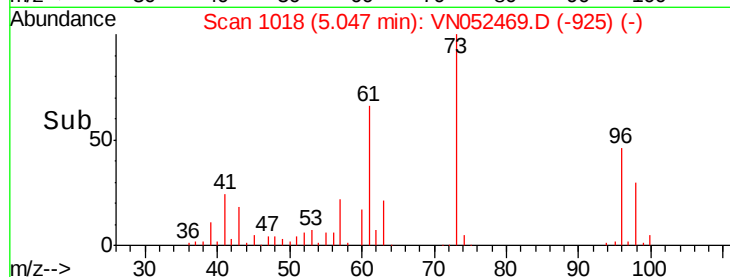
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 19.050 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Tgt Ion: 84 Resp: 217259

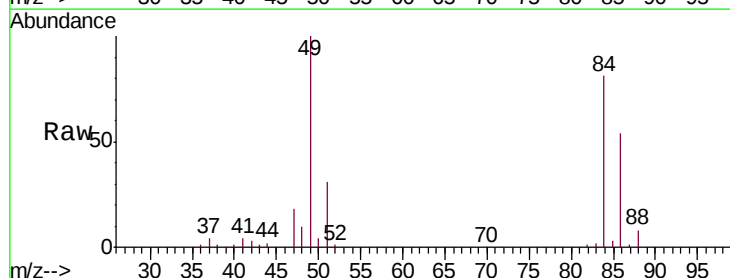
Ion Ratio Lower Upper

84 100

49 123.0 98.0 147.0

51 38.6 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) (-)

4.56

120000

100000

80000

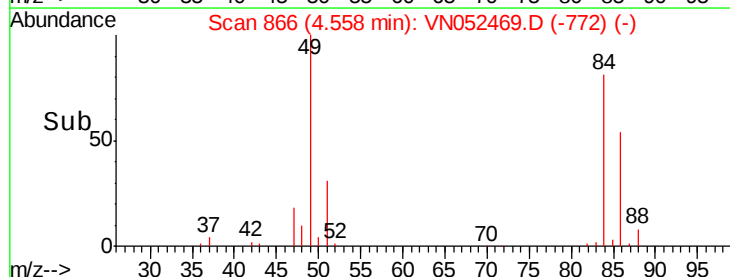
60000

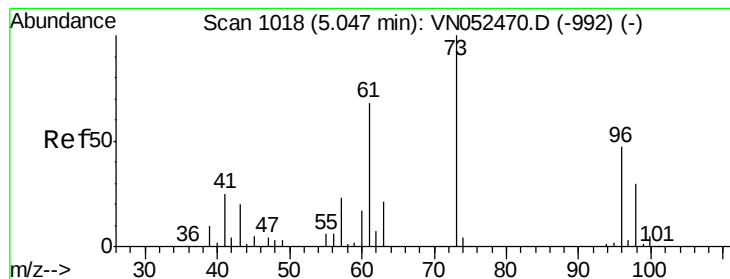
40000

20000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 19.510 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

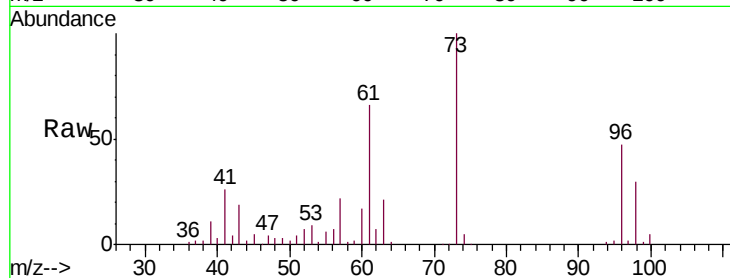
Tgt Ion: 96 Resp: 198081

Ion Ratio Lower Upper

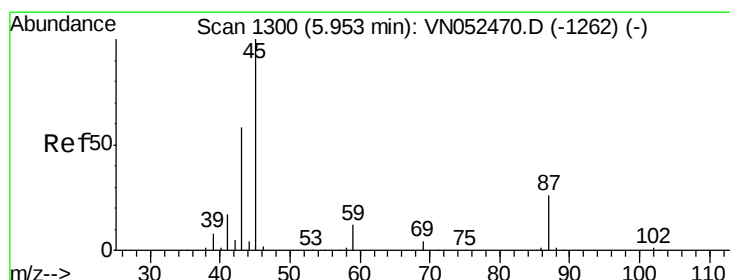
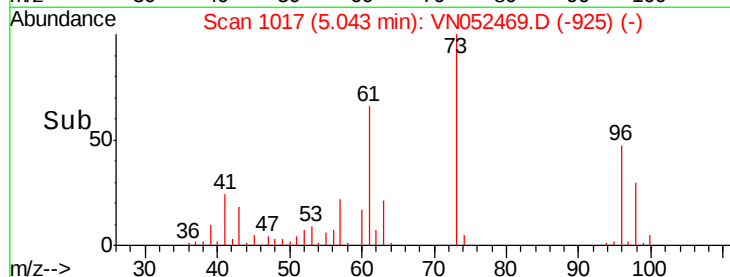
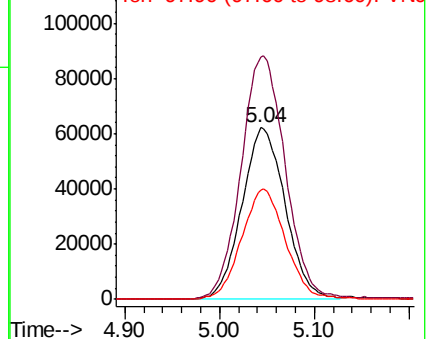
96 100

61 140.9 117.0 175.4

98 64.1 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VNC
120000
Ion 60.90 (60.60 to 61.60): VNC
100000
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 20.053 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Tgt Ion: 45 Resp: 690108

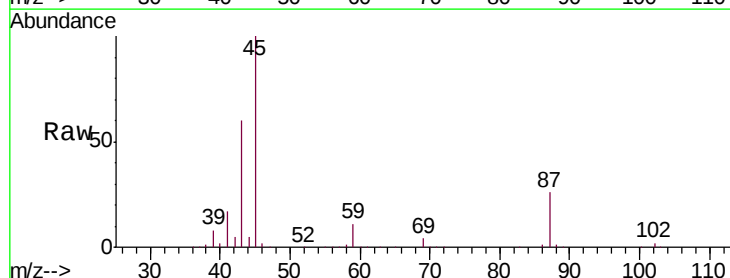
Ion Ratio Lower Upper

45 100

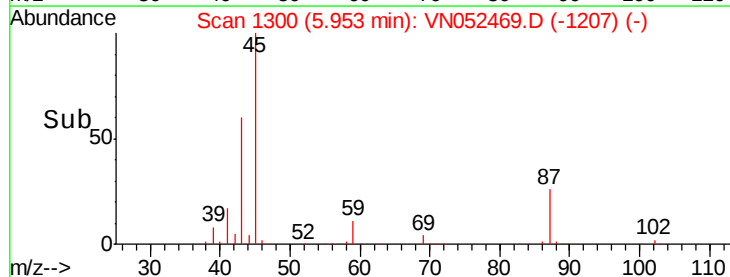
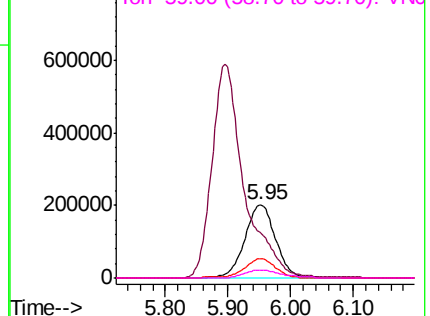
43 59.2 46.1 69.1

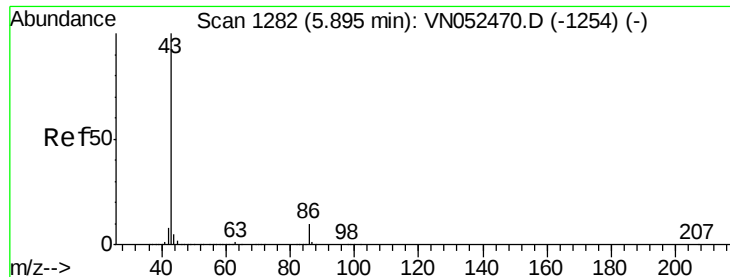
87 26.3 21.3 31.9

59 11.0 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VNC
800000
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

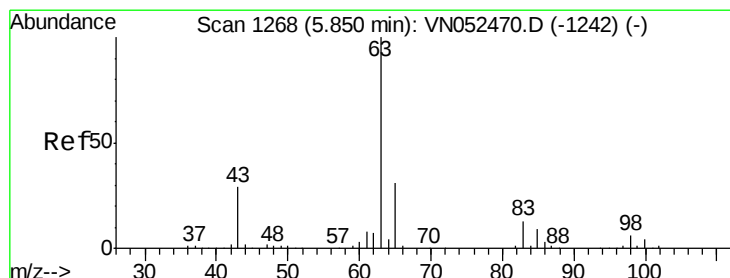
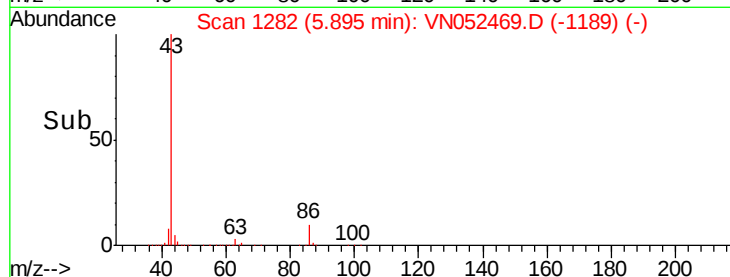
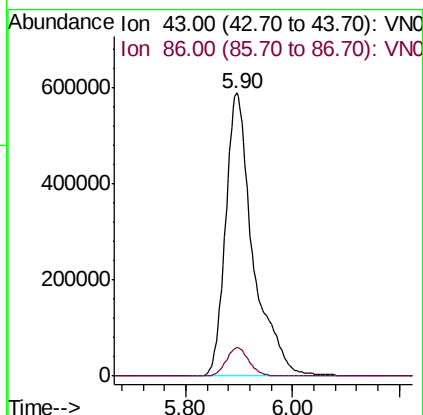
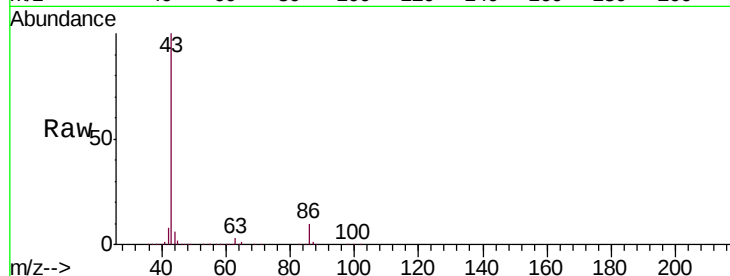




#23
 Vinyl Acetate
 Concen: 98.325 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

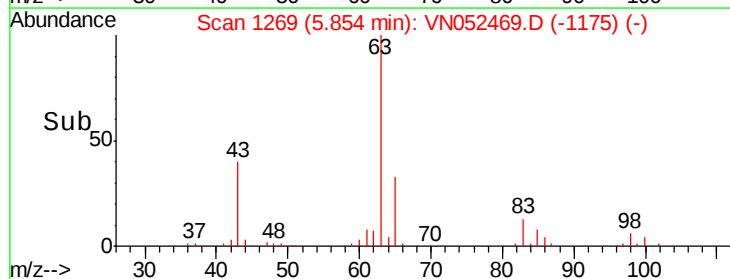
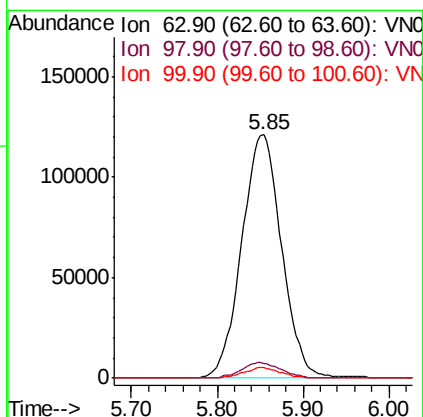
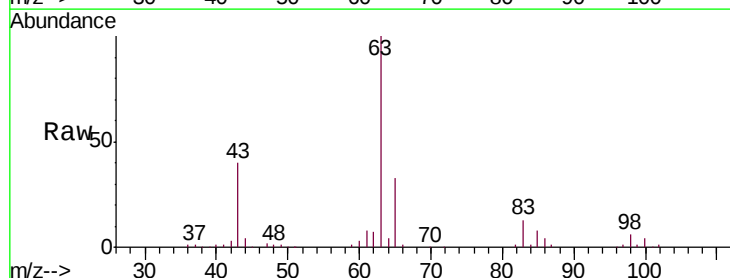
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 43 Resp: 2107655
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 19.867 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion: 63 Resp: 390382
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.2
 100 4.3 2.0 5.8





#25

2-Butanone

Concen: 98.537 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

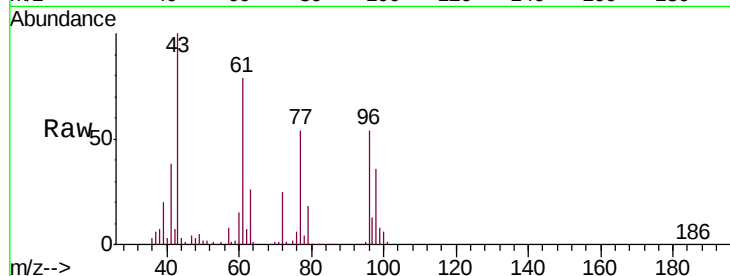
VSTDIC020

Tgt Ion: 43 Resp: 407047

Ion Ratio Lower Upper

43 100

72 25.2 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

150000

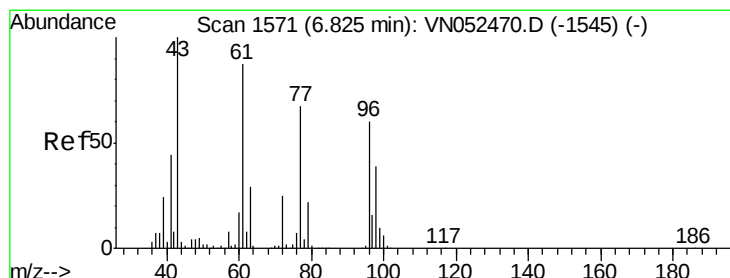
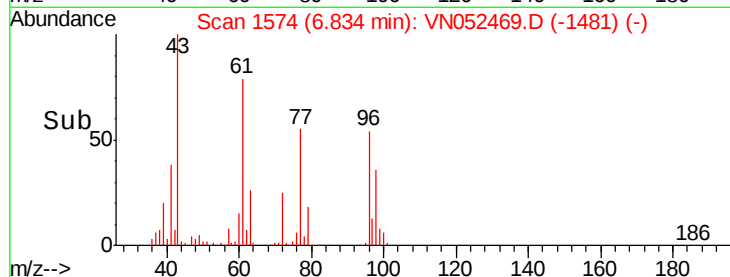
100000

50000

0

6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 19.411 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN052469.D

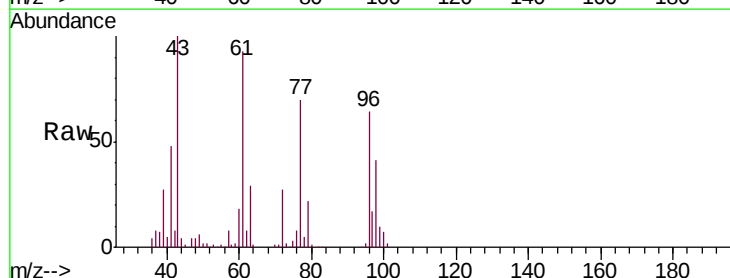
Acq: 27 Nov 2018 10:05

Tgt Ion: 77 Resp: 264013

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

80000

60000

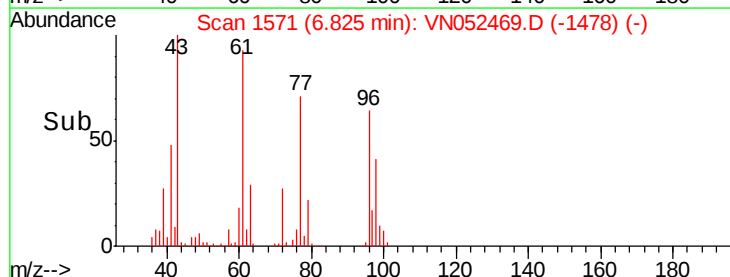
40000

20000

0

6.70 6.80 6.90 7.00

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.408 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

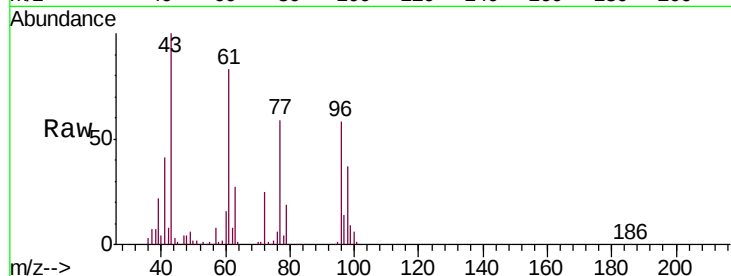
Tgt Ion: 96 Resp: 229529

Ion Ratio Lower Upper

96 100

61 148.3 0.0 291.0

98 65.5 0.0 130.0

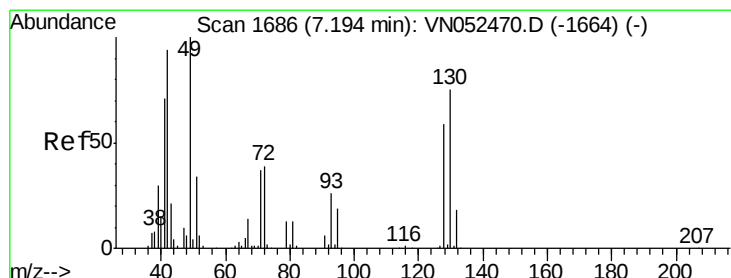
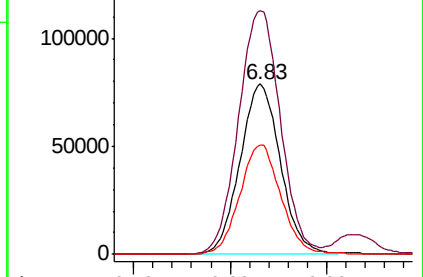
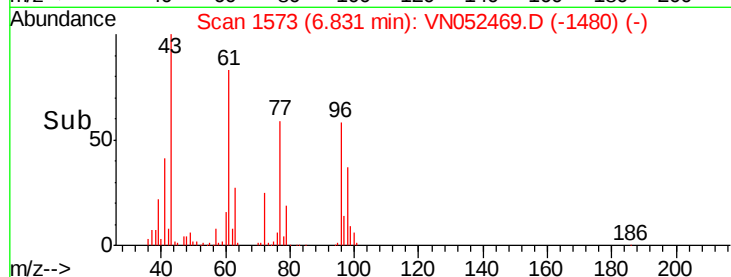


Abundance Ion 95.90 (95.60 to 96.60): VN052469.D (-1480) (-)

Ion 60.90 (60.60 to 61.60): VN052469.D (-1480) (-)

Ion 97.90 (97.60 to 98.60): VN052469.D (-1480) (-)

Time-->



#28

Bromochloromethane

Concen: 19.891 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

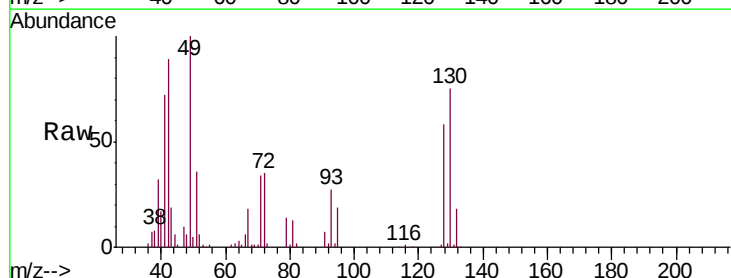
Tgt Ion: 49 Resp: 178522

Ion Ratio Lower Upper

49 100

129 2.1 0.0 3.8

130 74.2 60.2 90.2

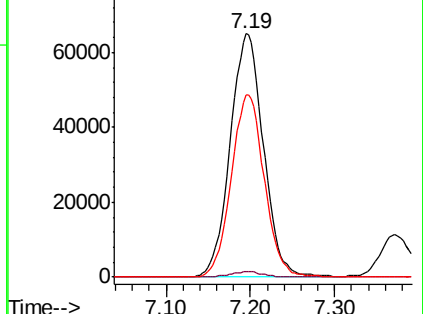
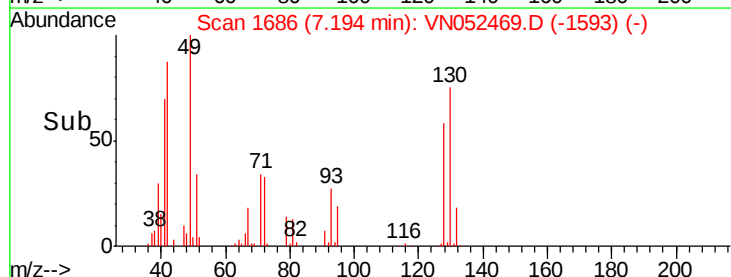


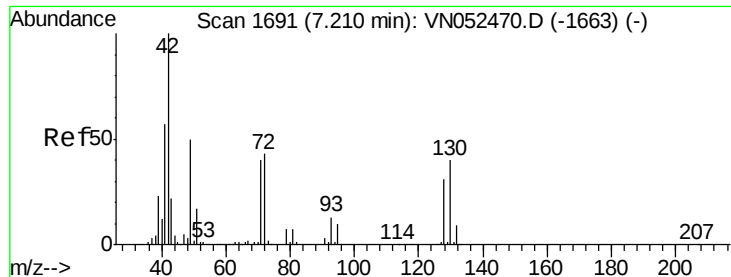
Abundance Ion 48.90 (48.60 to 49.60): VN052469.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN052469.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN052469.D (-1593) (-)

Time-->

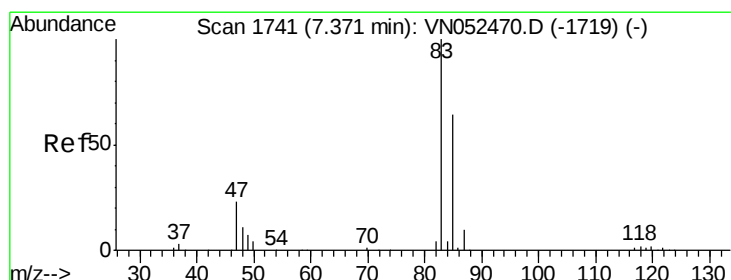
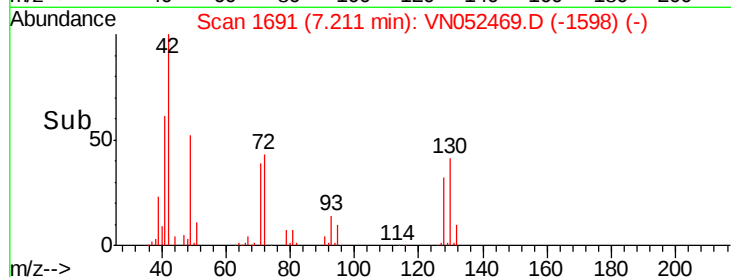
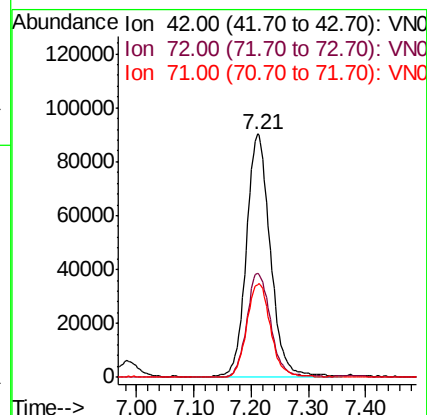
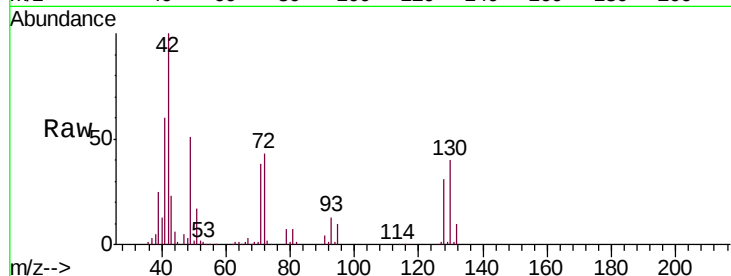




#29
Tetrahydrofuran
Concen: 99.381 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

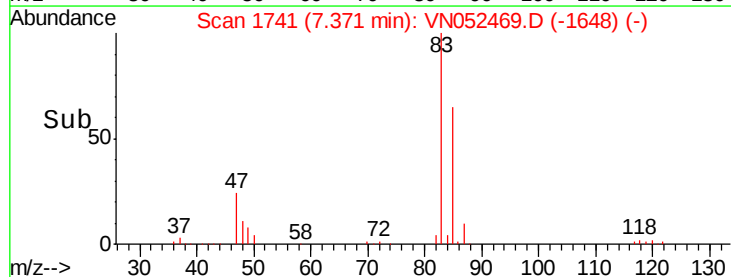
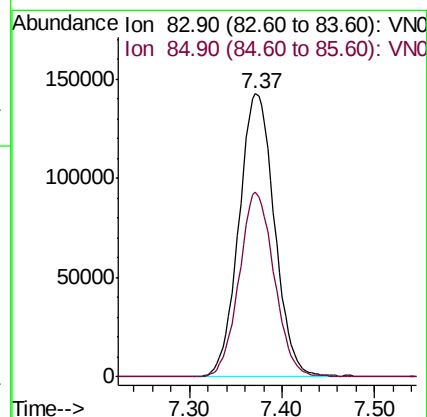
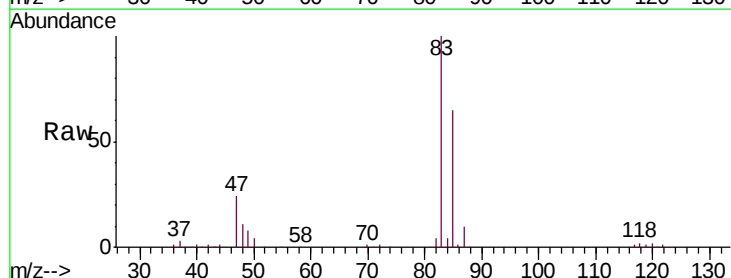
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

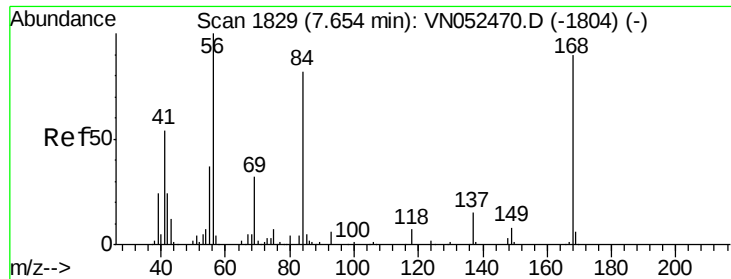
Tgt Ion: 42 Resp: 264791
Ion Ratio Lower Upper
42 100
72 42.0 33.3 49.9
71 38.0 32.0 48.0



#30
Chloroform
Concen: 19.359 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion: 83 Resp: 379534
Ion Ratio Lower Upper
83 100
85 65.3 51.0 76.4

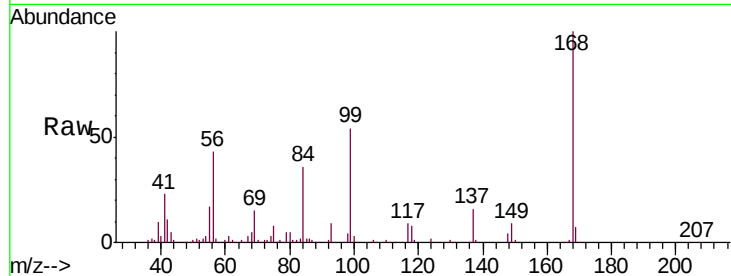




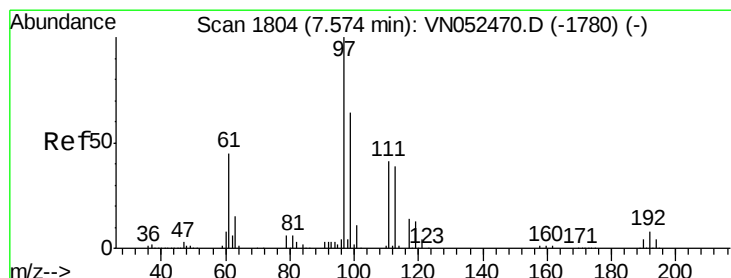
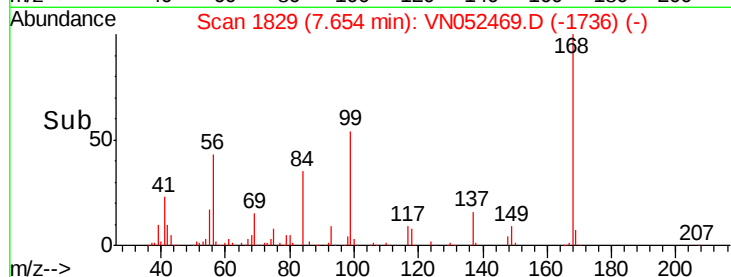
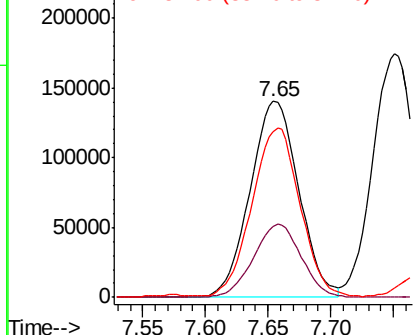
#31
Cyclohexane
Concen: 17.274 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion: 56 Resp: 379749
Ion Ratio Lower Upper
56 100
69 36.1 25.8 38.6
84 83.7 65.3 97.9

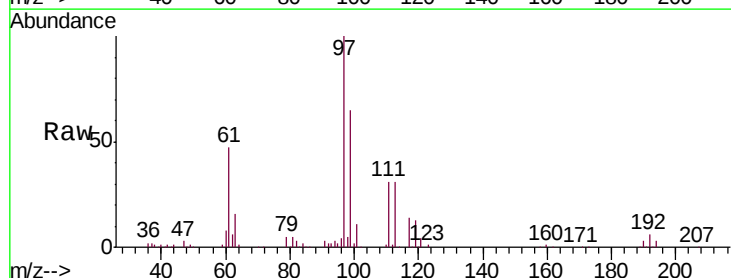


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

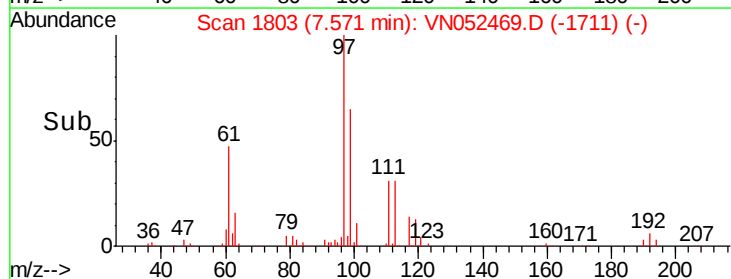
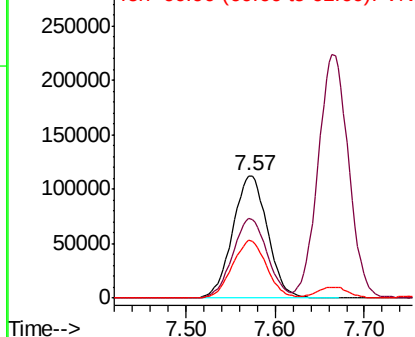


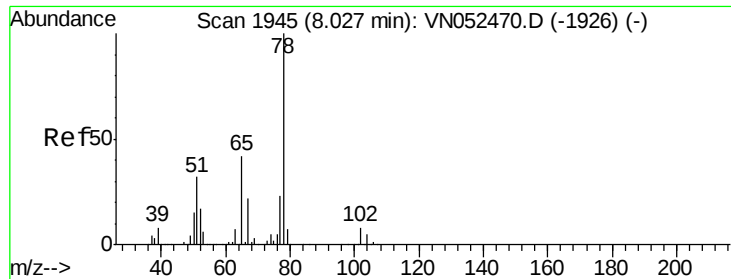
#32
1,1,1-Trichloroethane
Concen: 19.628 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion: 97 Resp: 304874
Ion Ratio Lower Upper
97 100
99 64.7 51.7 77.5
61 46.5 36.8 55.2



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

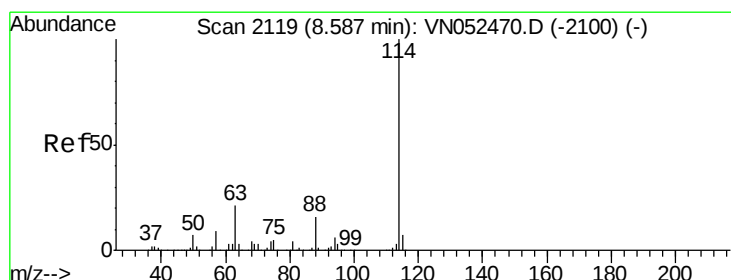
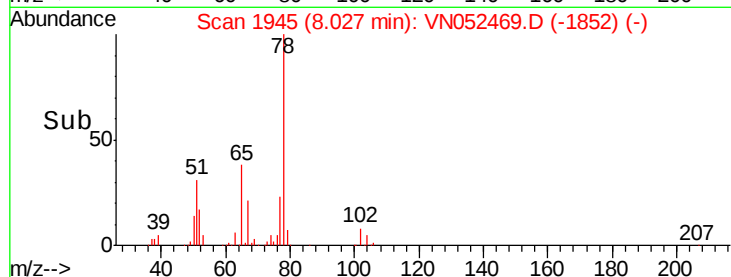
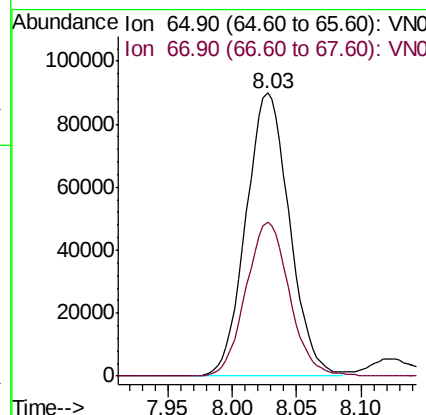
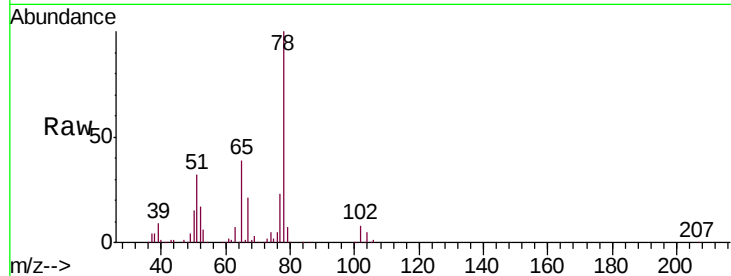




#33
 1,2-Dichloroethane-d4
 Concen: 19.628 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

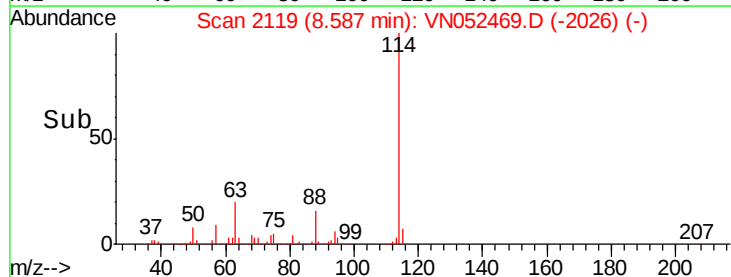
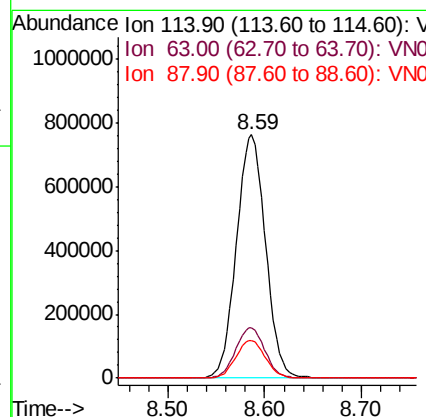
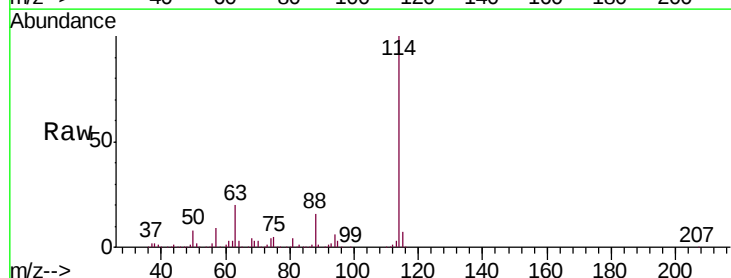
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

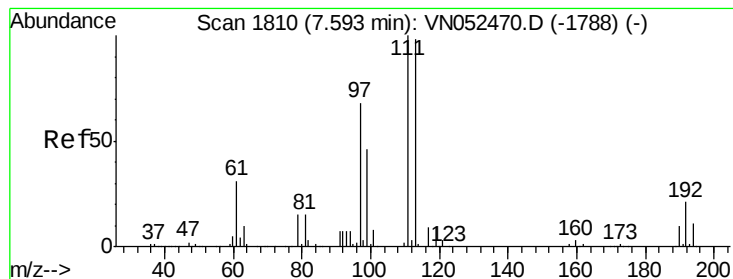
Tgt Ion: 65 Resp: 211680
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion: 114 Resp: 1592376
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 41.8
 88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

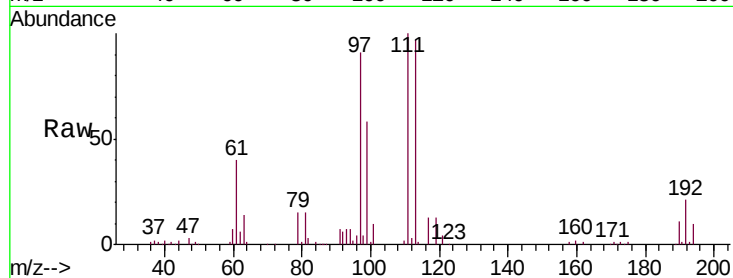
Tgt Ion:113 Resp: 187862

Ion Ratio Lower Upper

113 100

111 100.6 82.0 123.0

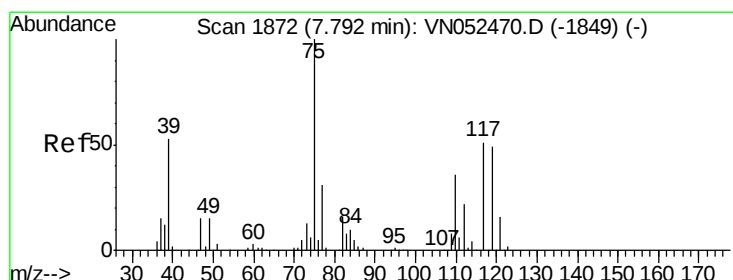
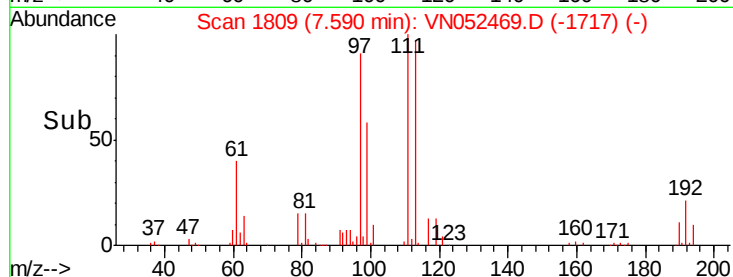
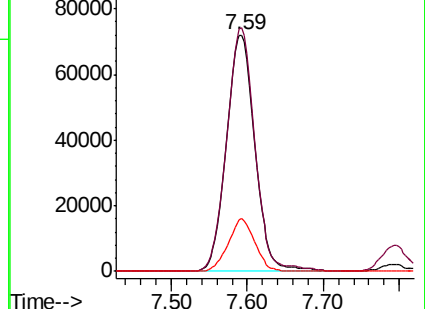
192 20.7 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.476 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

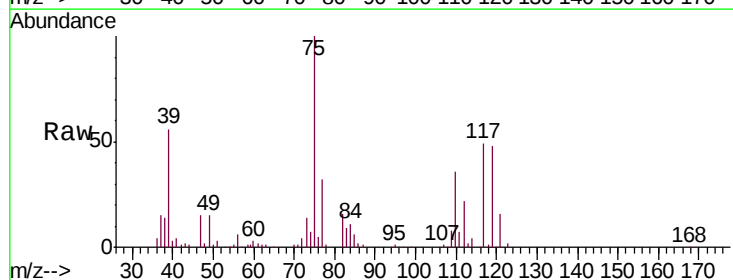
Tgt Ion: 75 Resp: 292858

Ion Ratio Lower Upper

75 100

110 35.2 17.5 52.6

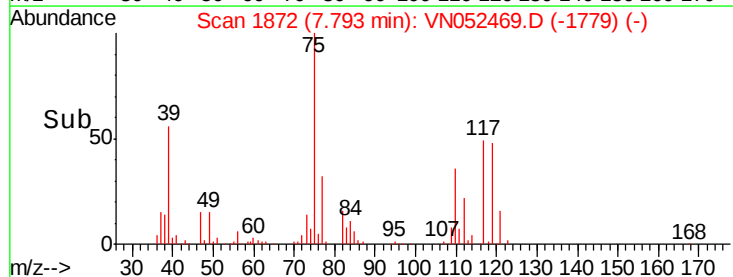
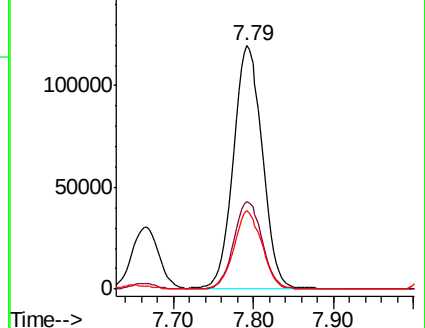
77 31.1 24.5 36.7

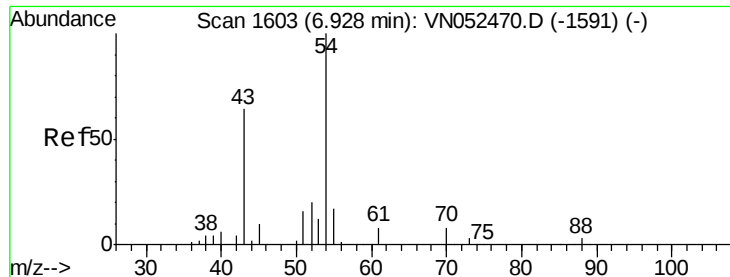


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

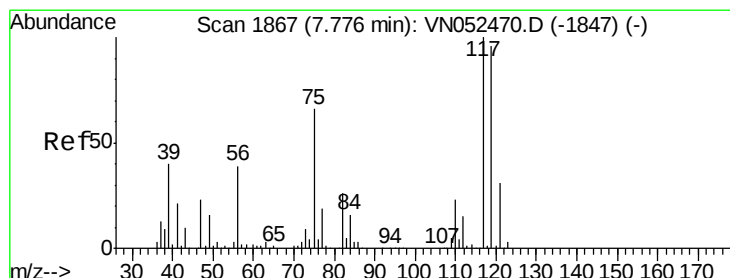
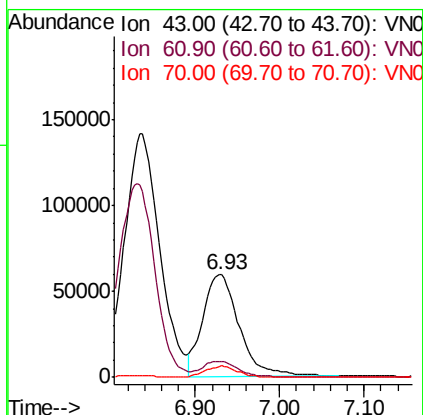
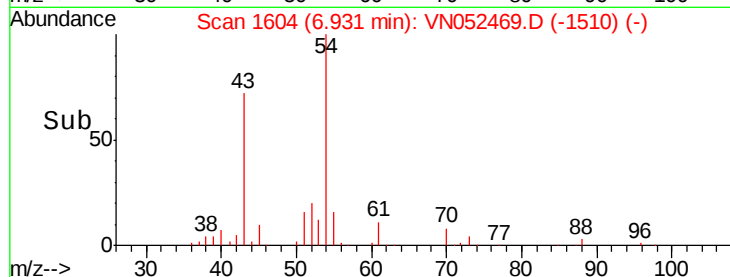
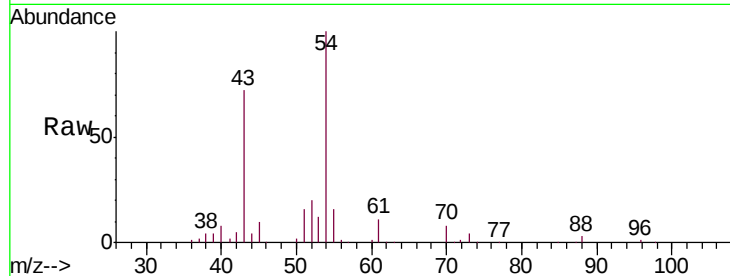




#37
Ethyl Acetate
Concen: 19.281 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

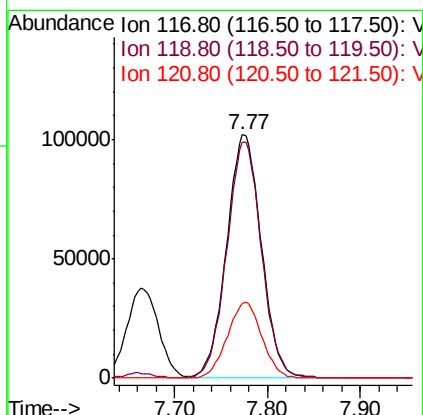
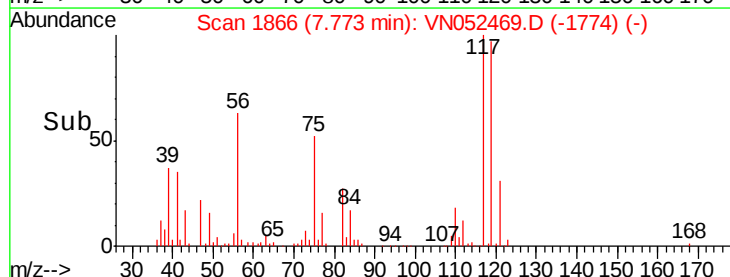
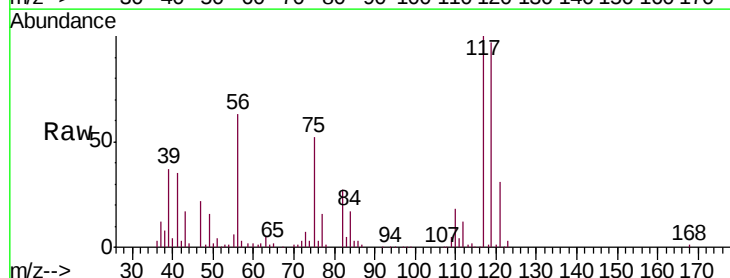
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

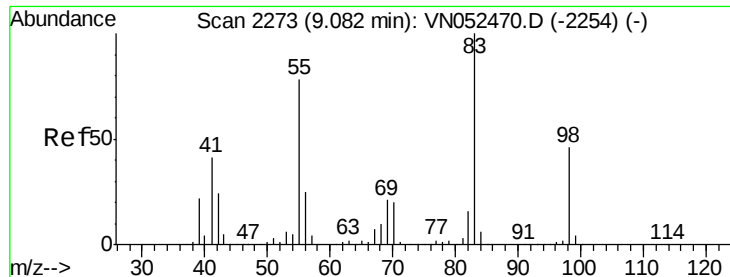
Tgt Ion: 43 Resp: 176943
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.8
70 10.1 7.8 11.8



#38
Carbon Tetrachloride
Concen: 19.390 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion: 117 Resp: 263955
Ion Ratio Lower Upper
117 100
119 96.8 76.8 115.2
121 30.8 24.9 37.3

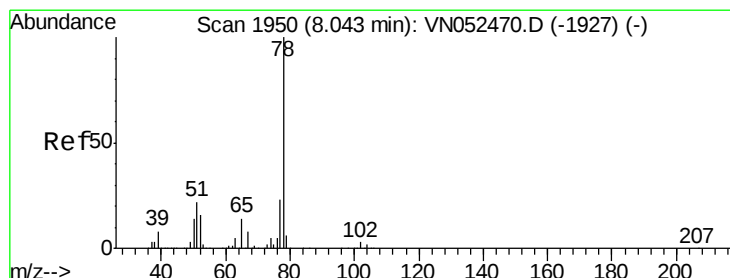
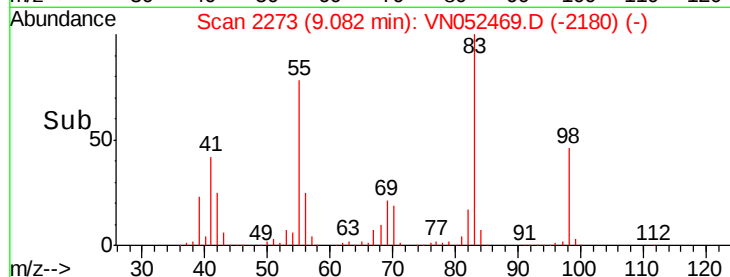
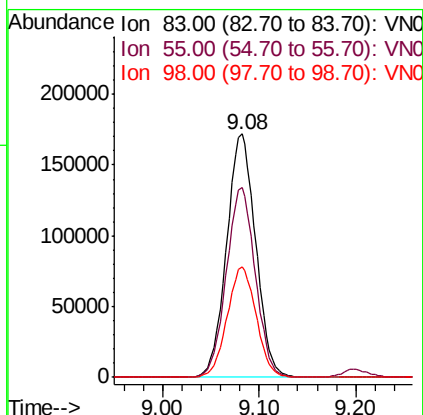
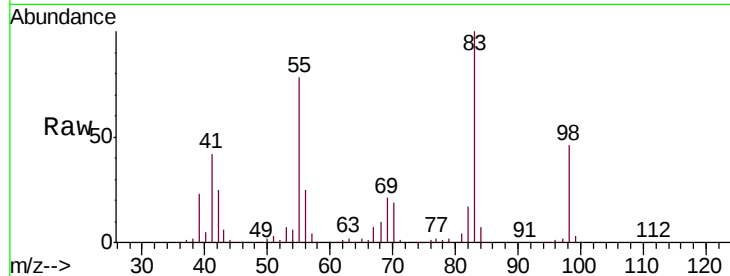




#39
Methylcyclohexane
Concen: 19.647 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

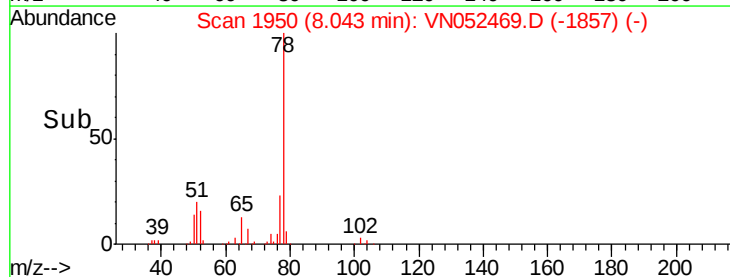
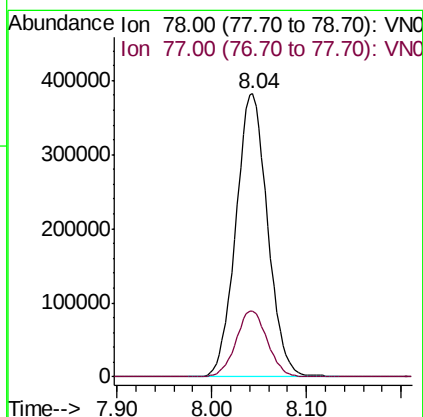
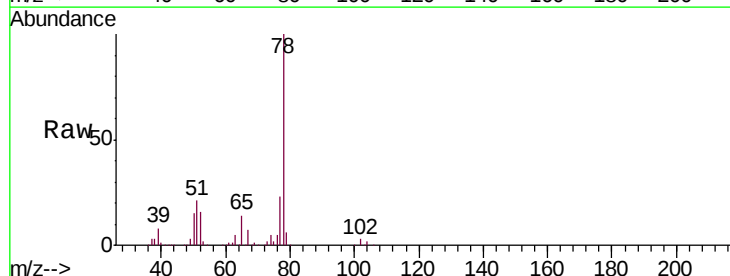
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

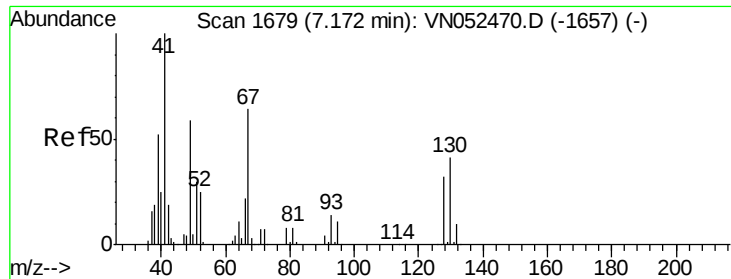
Tgt Ion: 83 Resp: 359091
Ion Ratio Lower Upper
83 100
55 77.8 62.2 93.2
98 45.6 36.4 54.6



#40
Benzene
Concen: 19.878 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion: 78 Resp: 890789
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

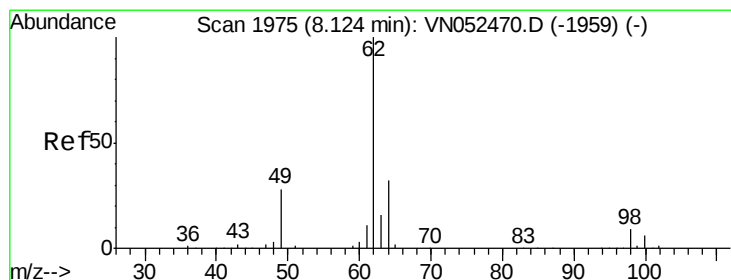
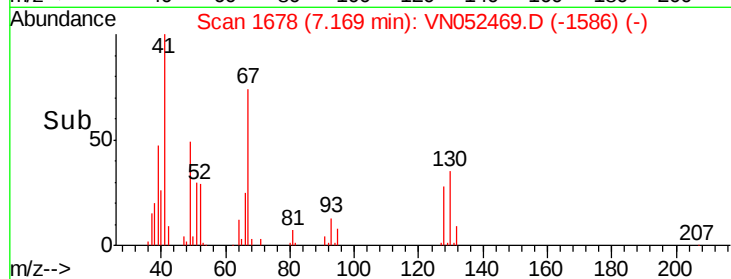
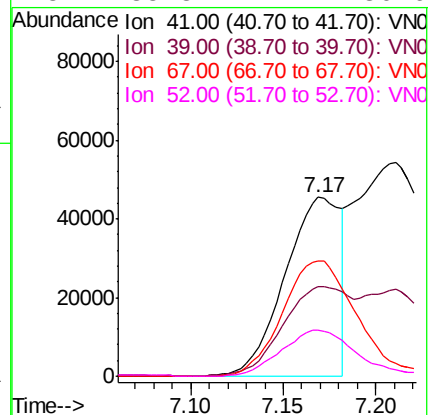
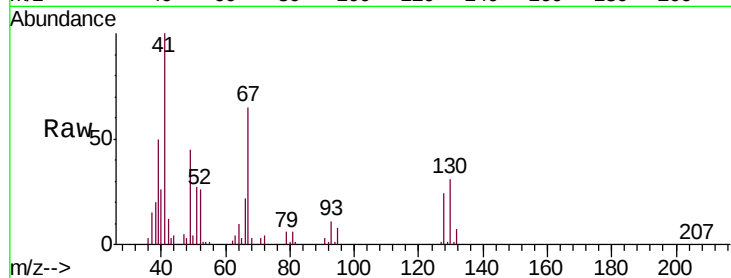




#41
Methacrylonitrile
Concen: 18.945 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

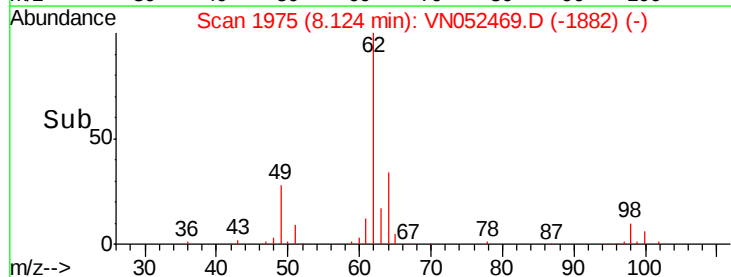
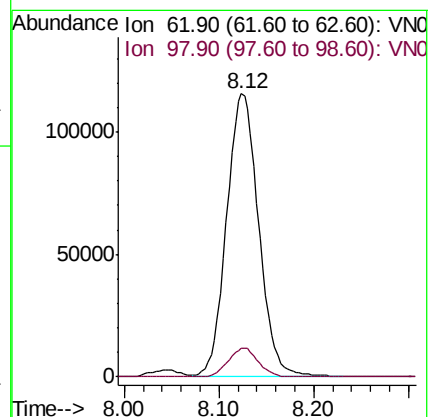
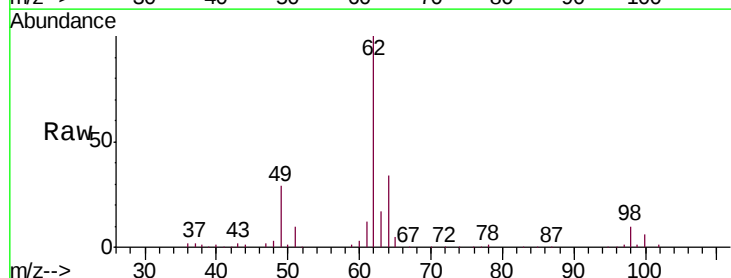
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

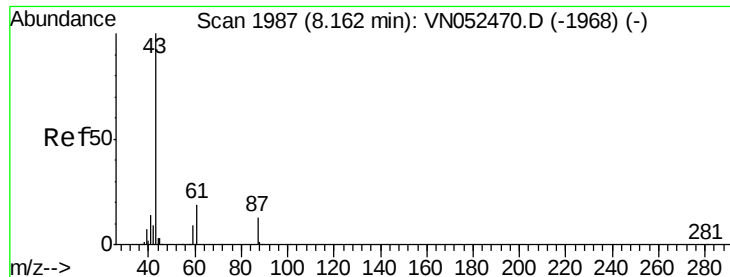
Tgt Ion:	41	Resp:	95052
Ion	Ratio	Lower	Upper
41	100		
39	60.1	50.9	76.3
67	86.7	63.6	95.4
52	35.8	24.4	36.6



#42
1,2-Dichloroethane
Concen: 19.983 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion:	62	Resp:	271155
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 19.251 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

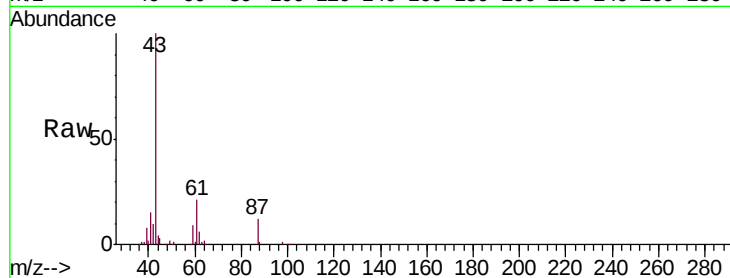
Tgt Ion: 43 Resp: 298975

Ion Ratio Lower Upper

43 100

61 30.3 24.1 36.1

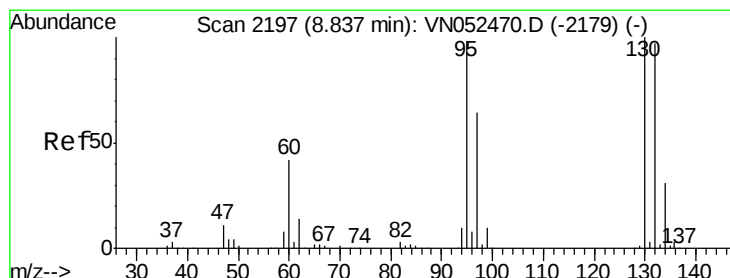
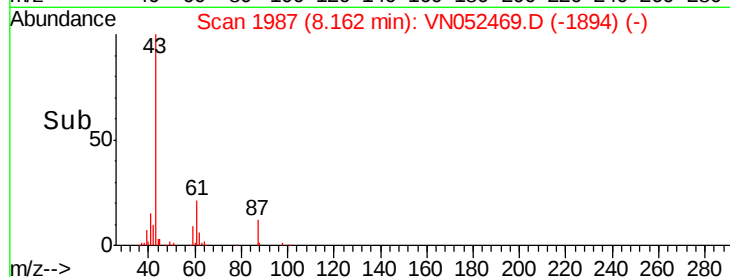
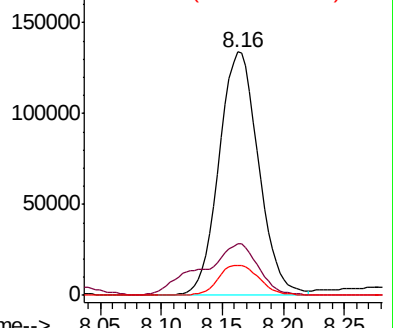
87 12.8 10.6 15.8



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) (-)



#44

Trichloroethene

Concen: 19.667 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052469.D

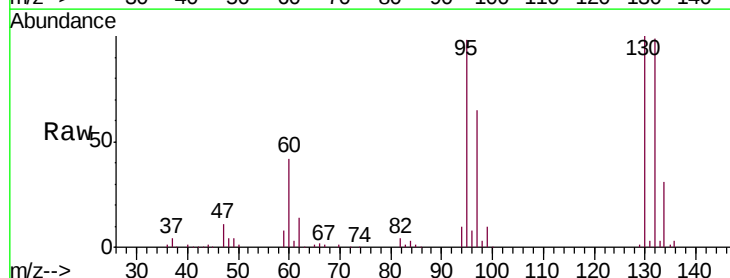
Acq: 27 Nov 2018 10:05

Tgt Ion: 130 Resp: 225757

Ion Ratio Lower Upper

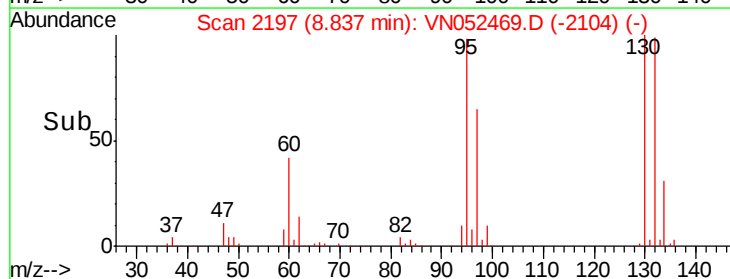
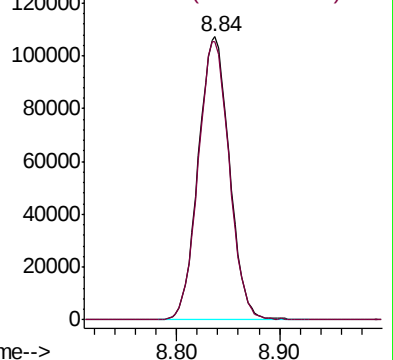
130 100

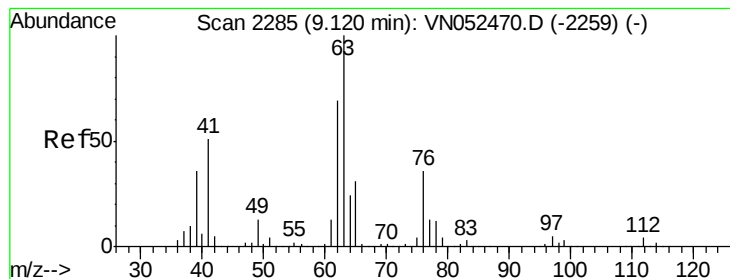
95 98.2 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN052469.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN052469.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 19.819 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

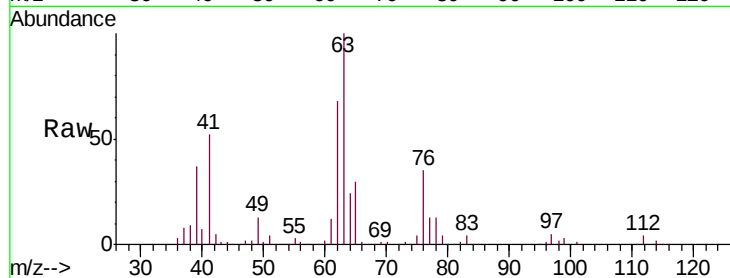
VSTDIC020

Tgt Ion: 63 Resp: 236126

Ion Ratio Lower Upper

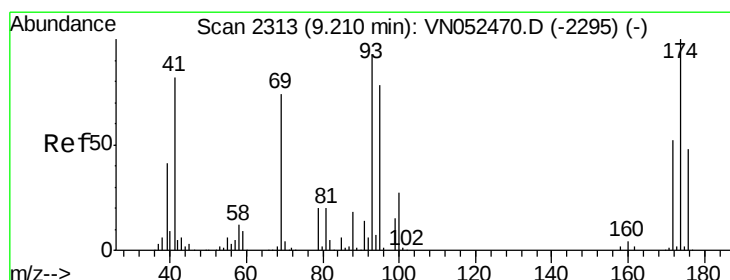
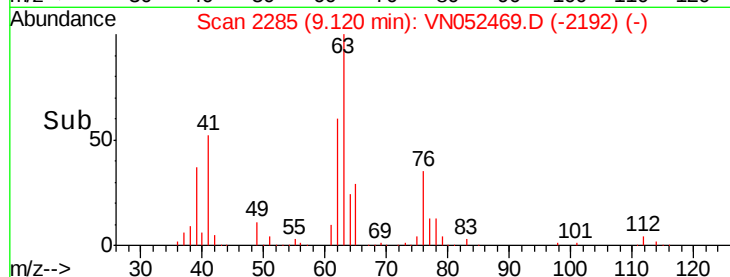
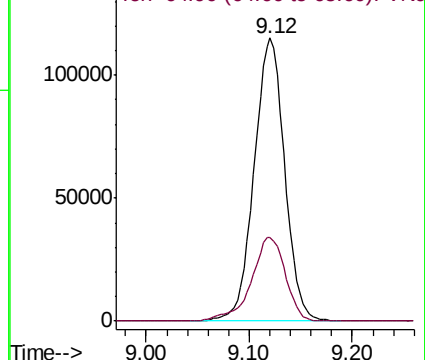
63 100

65 29.6 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.337 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

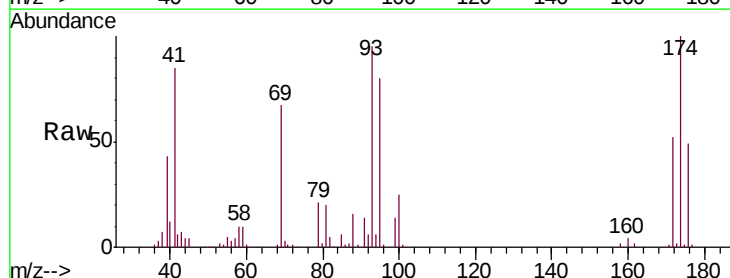
Tgt Ion: 93 Resp: 134135

Ion Ratio Lower Upper

93 100

95 82.0 67.1 100.7

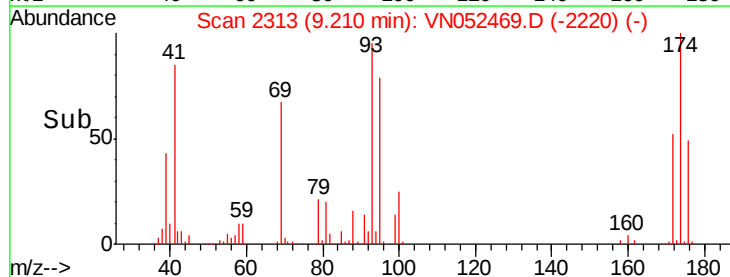
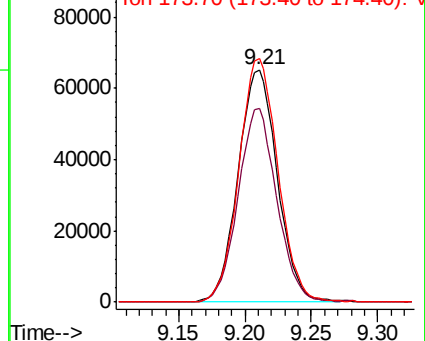
174 104.5 85.8 128.8

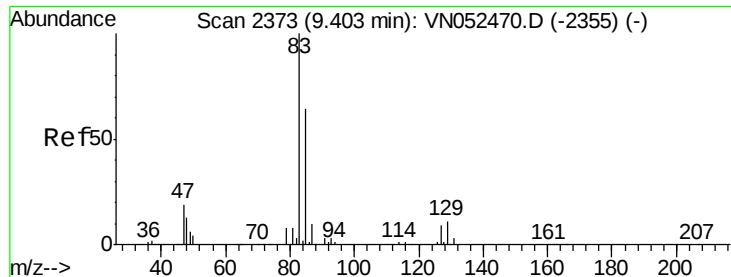


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.627 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

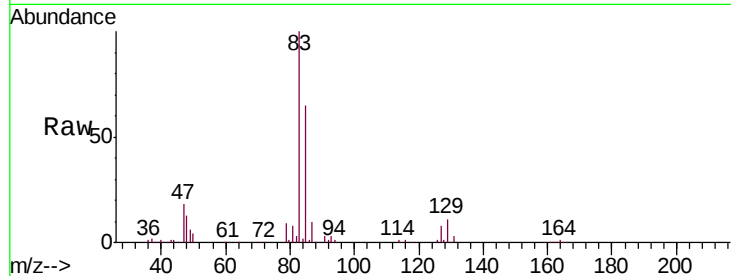
Tgt Ion: 83 Resp: 281453

Ion Ratio Lower Upper

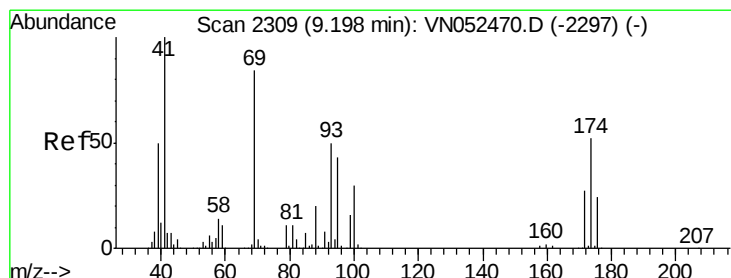
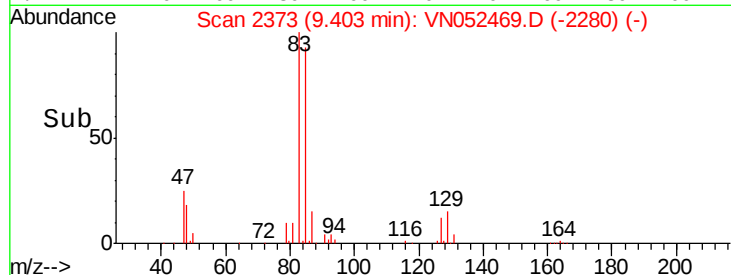
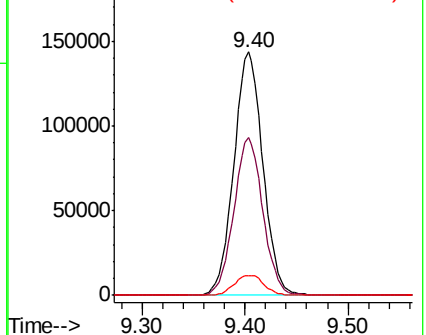
83 100

85 64.6 51.3 76.9

127 8.2 6.9 10.3



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



#48

Methyl methacrylate

Concen: 19.072 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

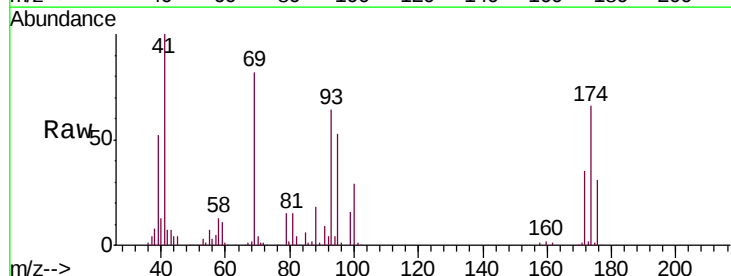
Tgt Ion: 41 Resp: 154447

Ion Ratio Lower Upper

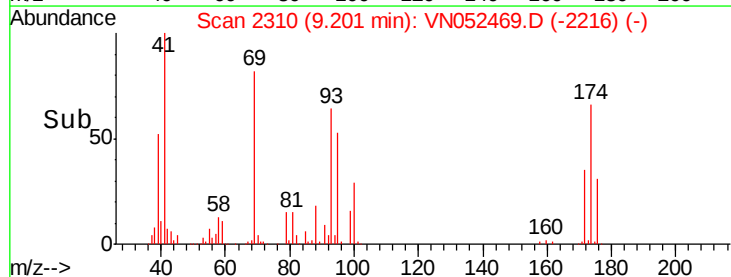
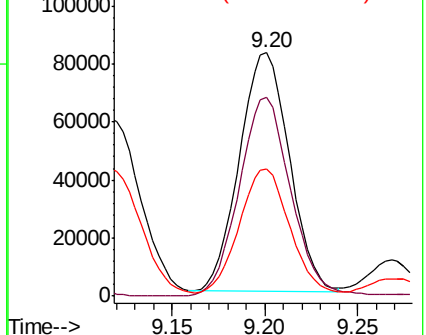
41 100

69 86.8 70.0 105.0

39 54.1 42.6 64.0



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

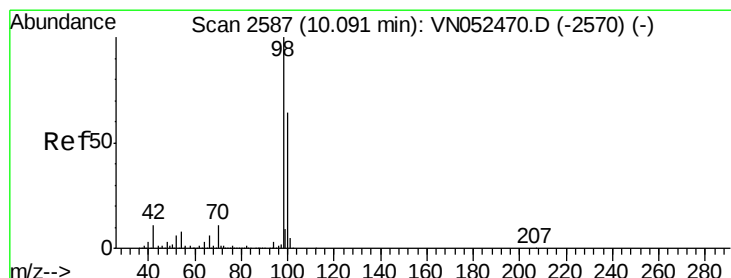
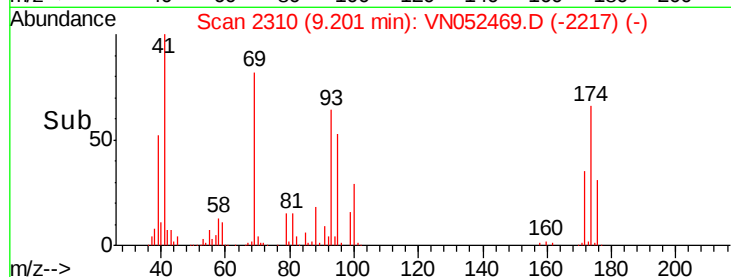
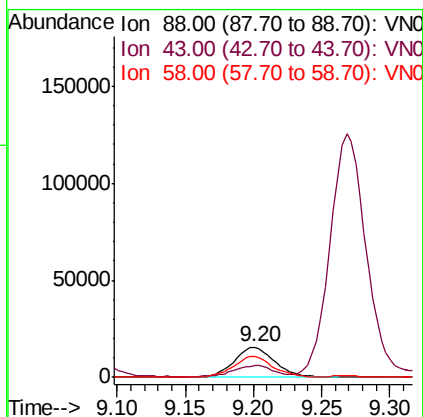
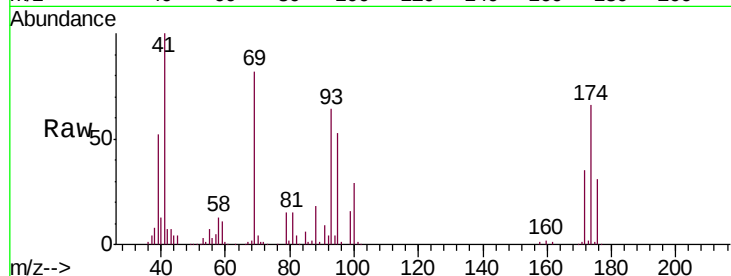




#49
1,4-Dioxane
Concen: 381.897 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

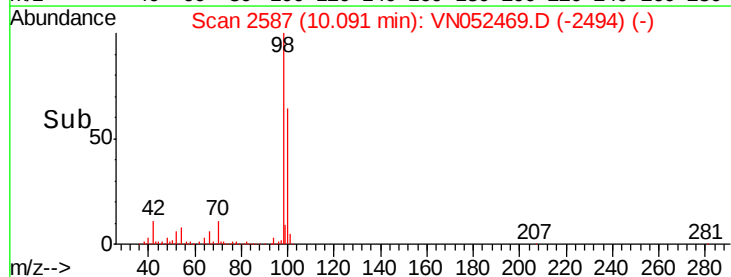
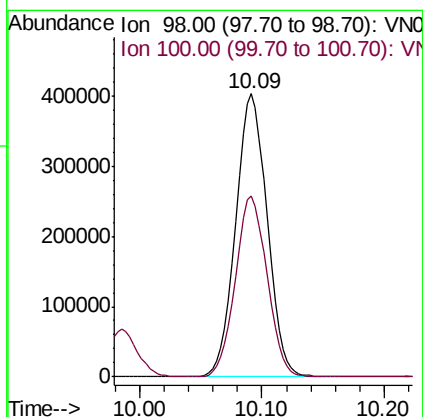
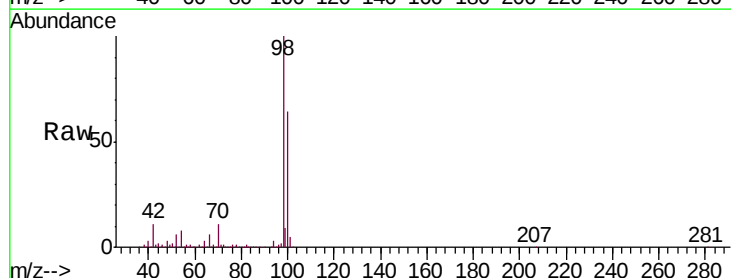
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

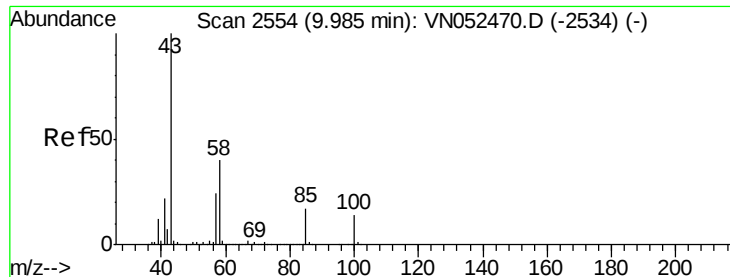
Tgt Ion: 88 Resp: 32096
Ion Ratio Lower Upper
88 100
43 36.3 26.4 39.6
58 68.0 55.4 83.0



#50
Toluene-d8
Concen: 381.897 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion: 98 Resp: 718206
Ion Ratio Lower Upper
98 100
100 64.2 51.3 76.9





#51

4-Methyl-2-Pentanone

Concen: 98.891 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

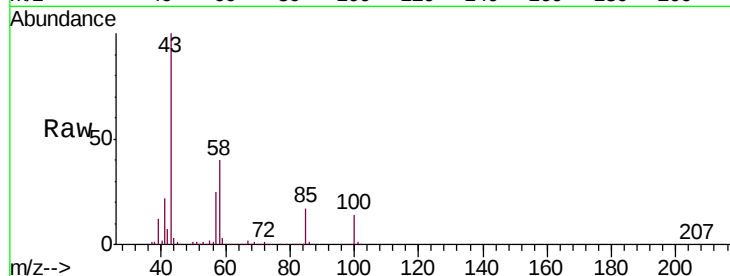
VSTDIC020

Tgt Ion: 43 Resp: 861703

Ion Ratio Lower Upper

43 100

58 39.5 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2534) (-)

9.99

500000

400000

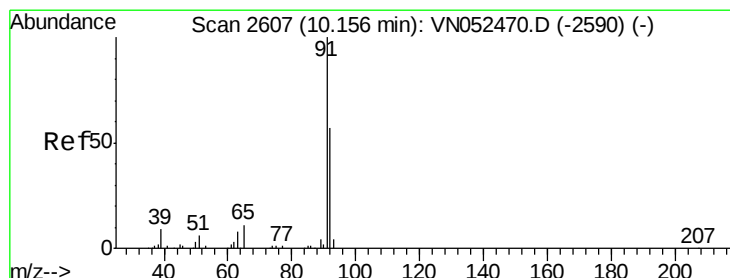
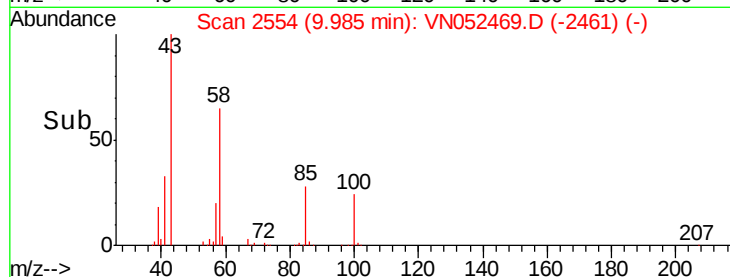
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.897 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052469.D

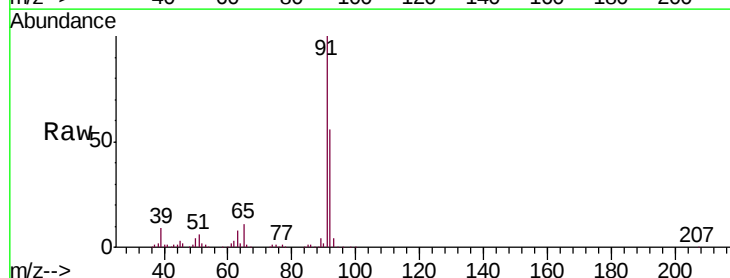
Acq: 27 Nov 2018 10:05

Tgt Ion: 92 Resp: 529778

Ion Ratio Lower Upper

92 100

91 176.7 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN052470.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN052470.D (-2590) (-)

600000

500000

400000

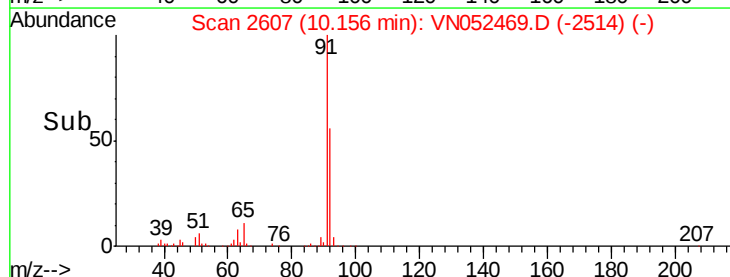
300000

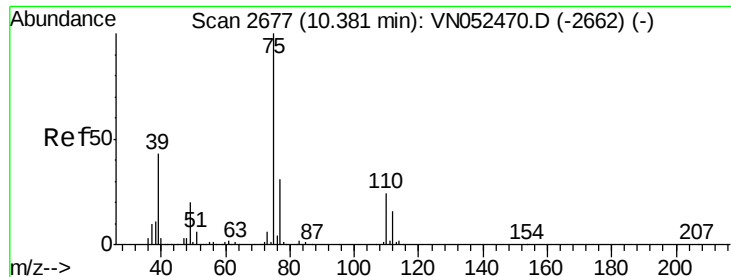
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.124 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

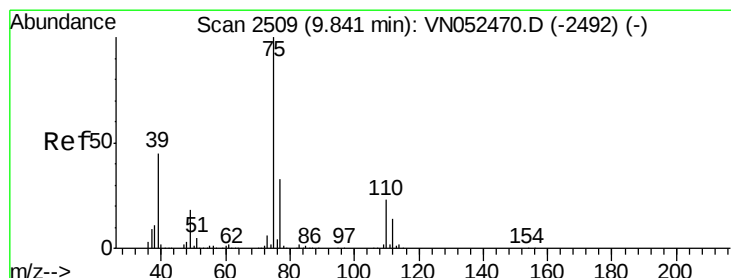
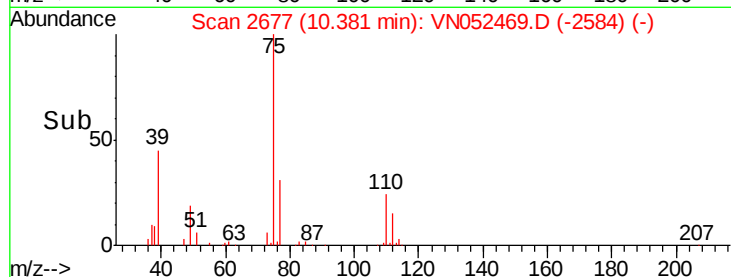
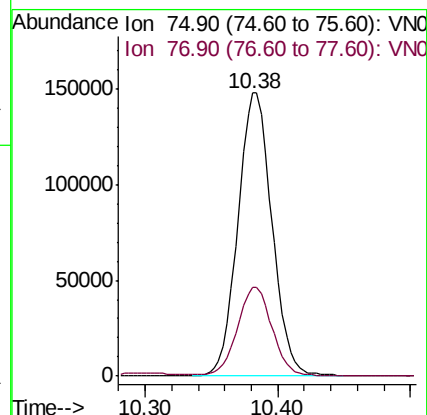
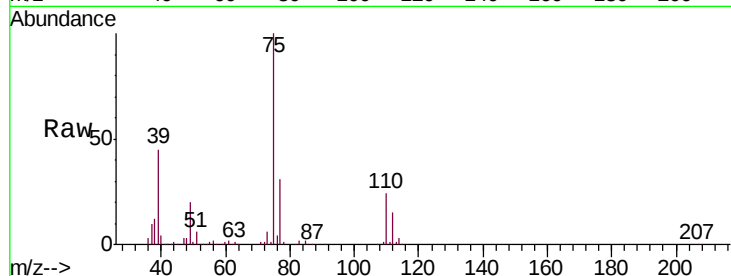
VSTDIC020

Tgt Ion: 75 Resp: 263819

Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 19.537 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

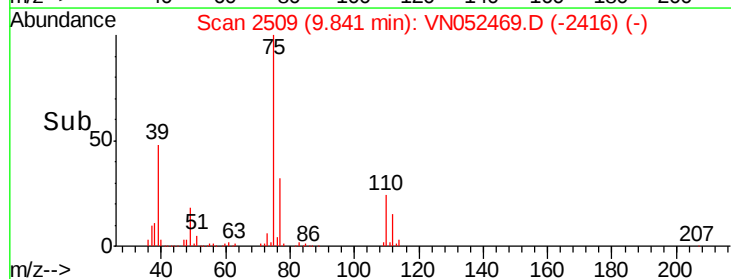
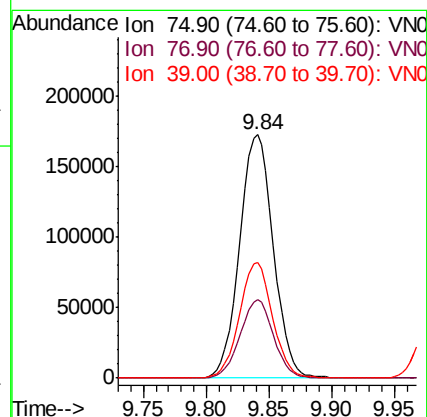
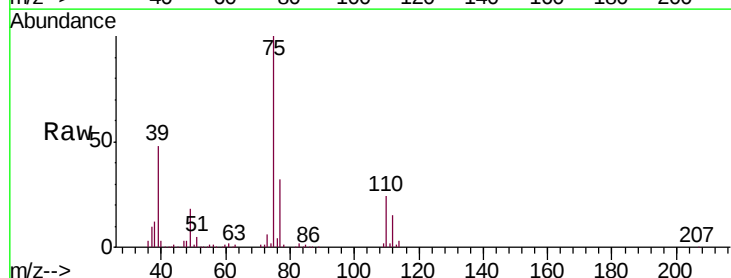
Tgt Ion: 75 Resp: 322987

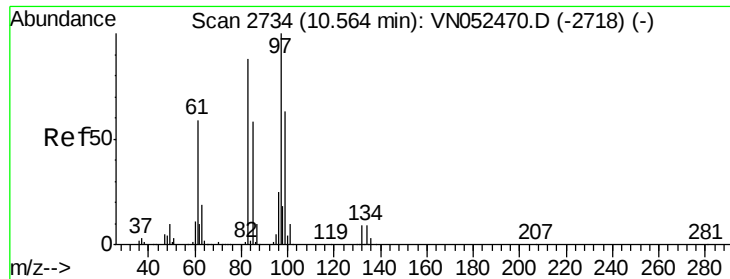
Ion Ratio Lower Upper

75 100

77 32.4 26.2 39.2

39 47.7 36.0 54.0

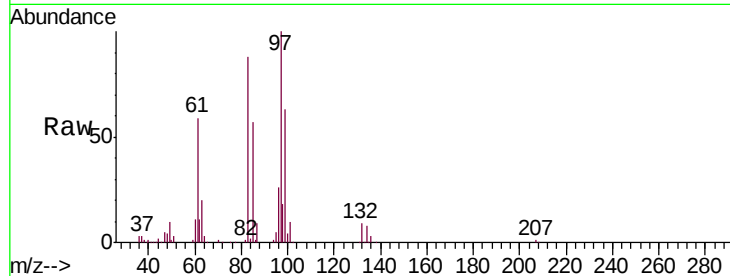




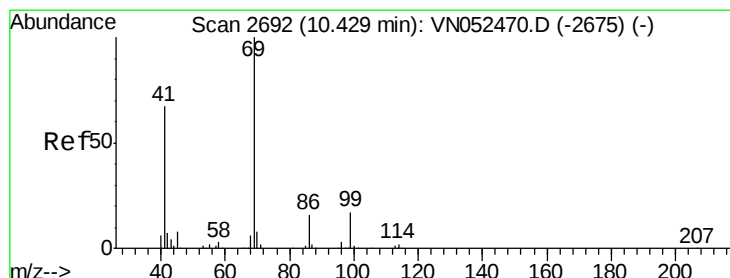
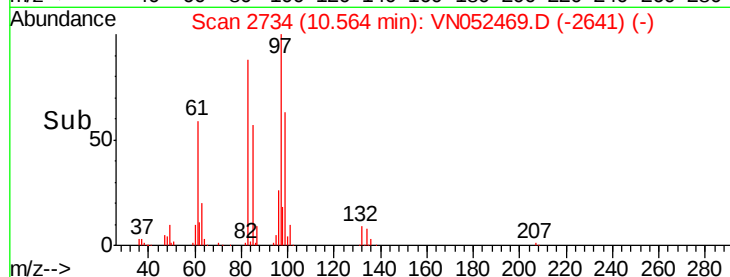
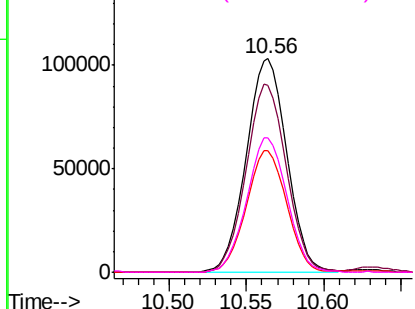
#55
 1,1,2-Trichloroethane
 Concen: 20.146 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 97 Resp: 188683
 Ion Ratio Lower Upper
 97 100
 83 87.6 70.7 106.1
 85 57.2 46.1 69.1
 99 63.1 50.8 76.2

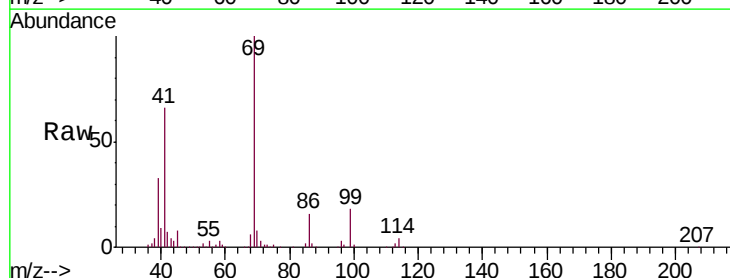


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

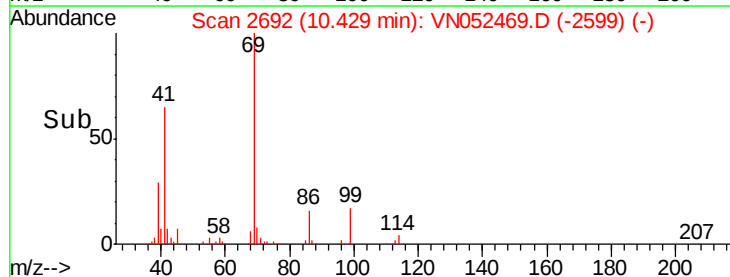
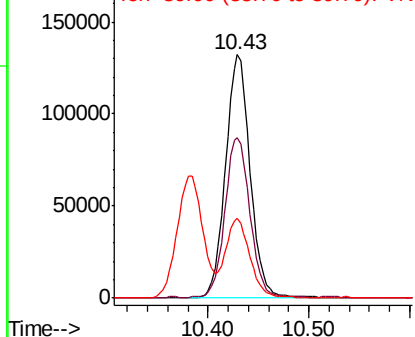


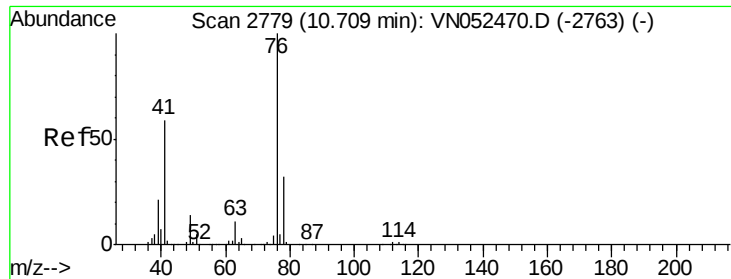
#56
 Ethyl methacrylate
 Concen: 19.590 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion: 69 Resp: 225799
 Ion Ratio Lower Upper
 69 100
 41 65.7 52.6 79.0
 39 32.4 25.9 38.9



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

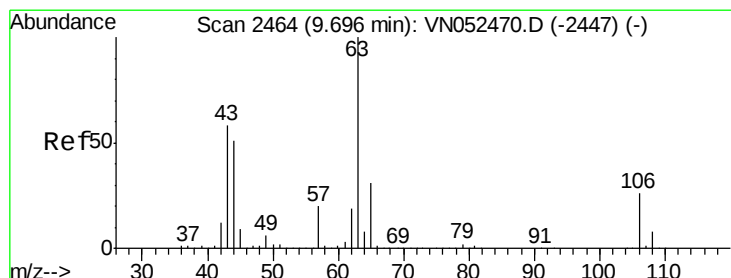
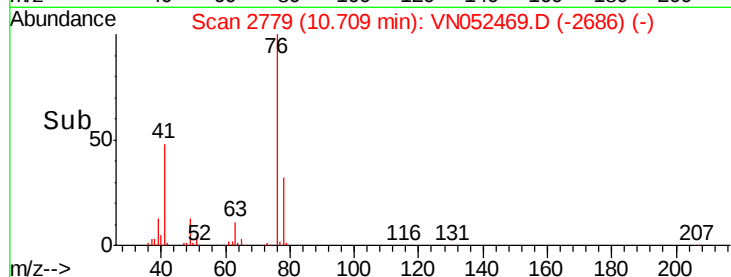
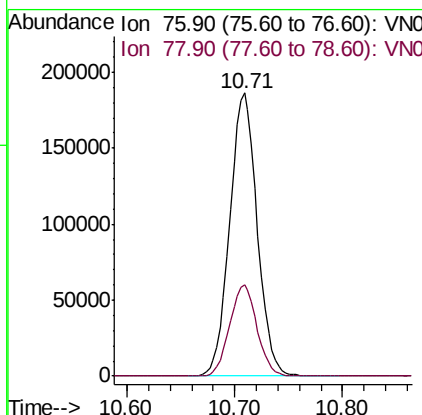
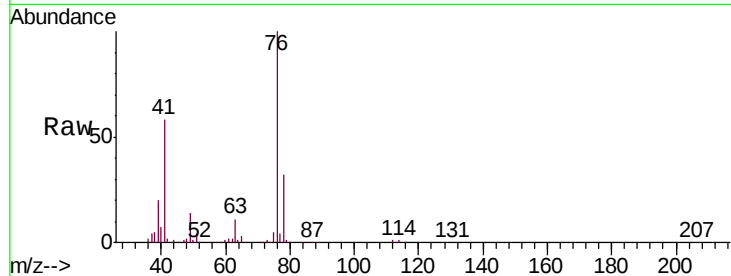




#57
 1,3-Dichloropropane
 Concen: 19.992 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

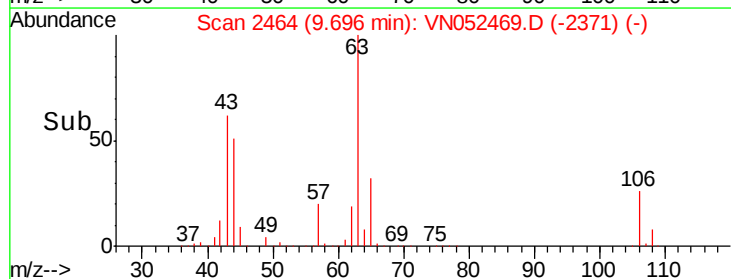
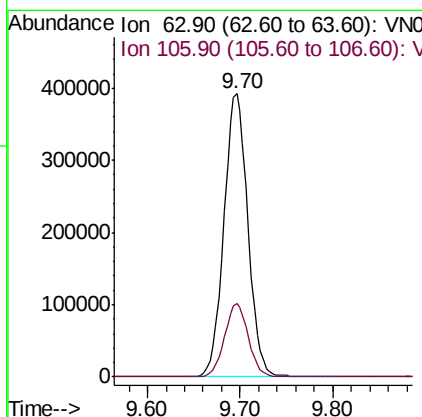
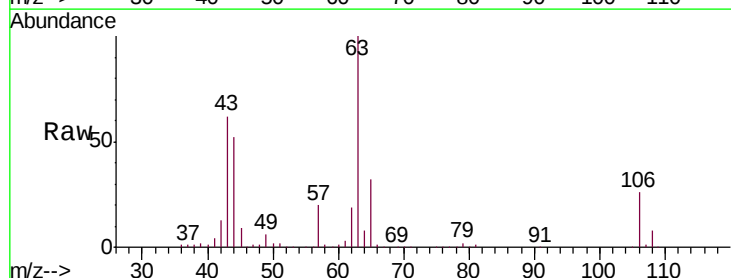
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

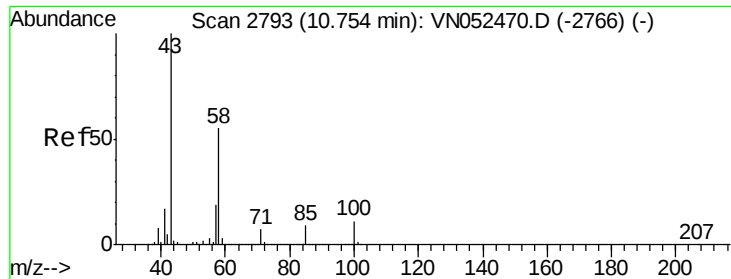
Tgt Ion: 76 Resp: 330617
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.052 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion: 63 Resp: 700343
 Ion Ratio Lower Upper
 63 100
 106 25.8 20.6 30.8

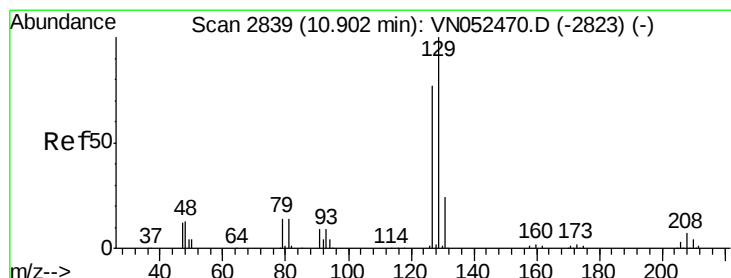
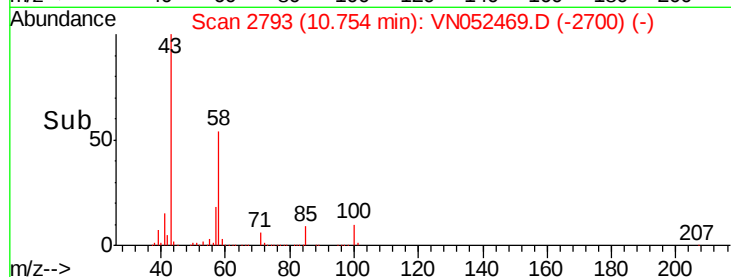
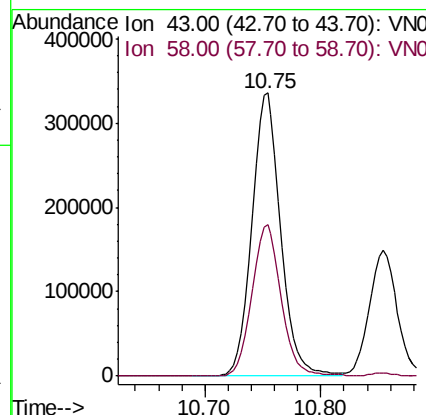
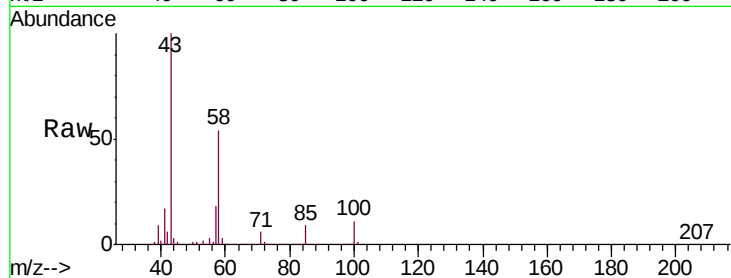




#59
2-Hexanone
Concen: 99.243 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

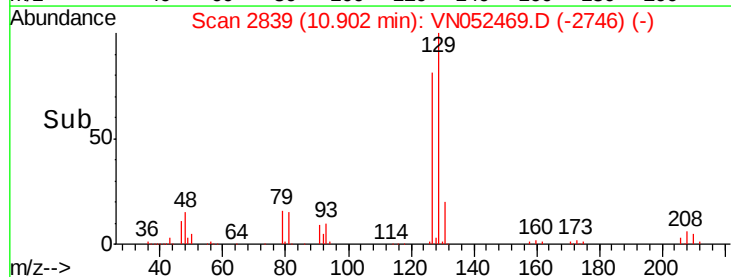
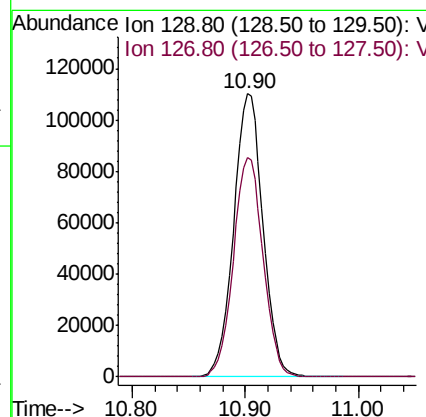
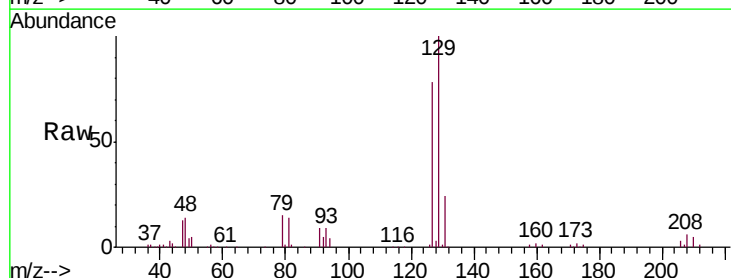
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

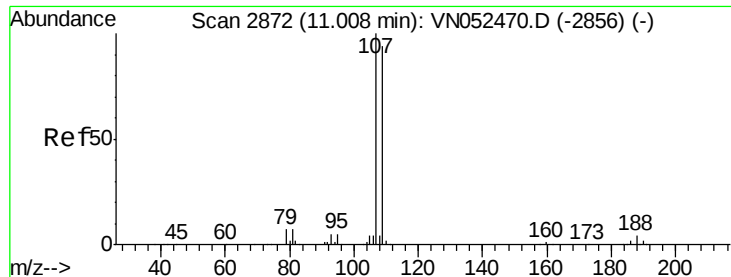
Tgt Ion: 43 Resp: 580394
Ion Ratio Lower Upper
43 100
58 54.5 27.4 82.0



#60
Dibromochloromethane
Concen: 19.478 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion: 129 Resp: 198131
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.6

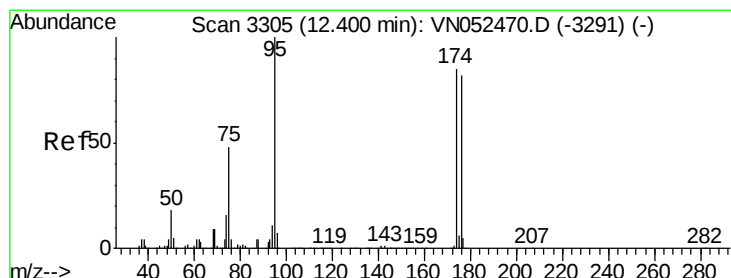
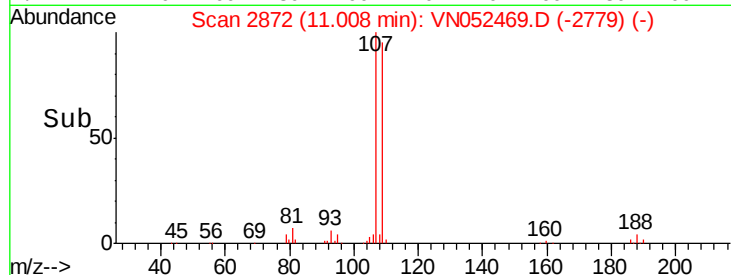
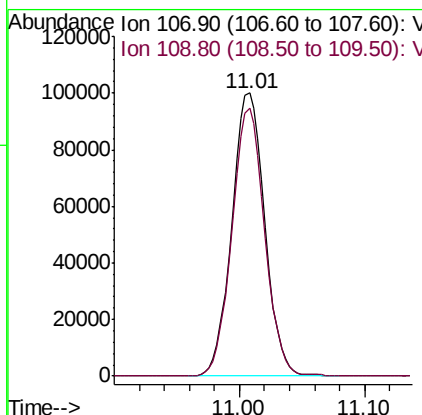
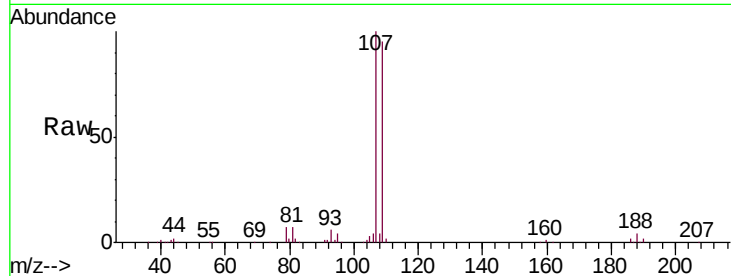




#61
 1,2-Dibromoethane
 Concen: 19.567 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

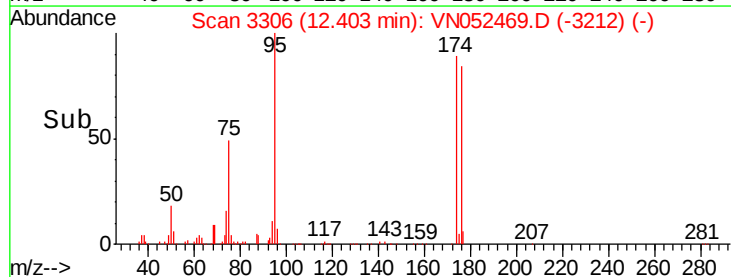
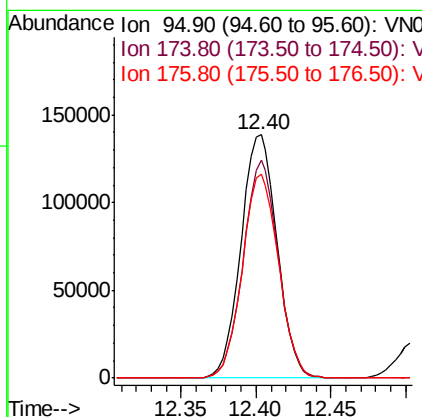
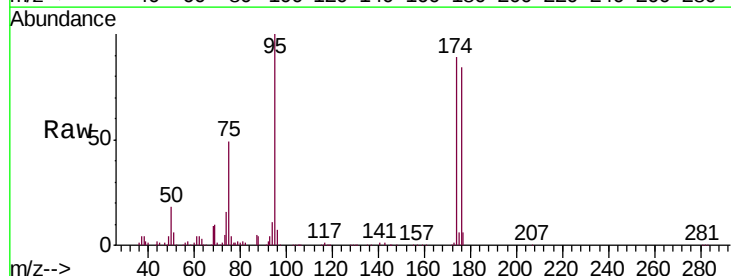
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

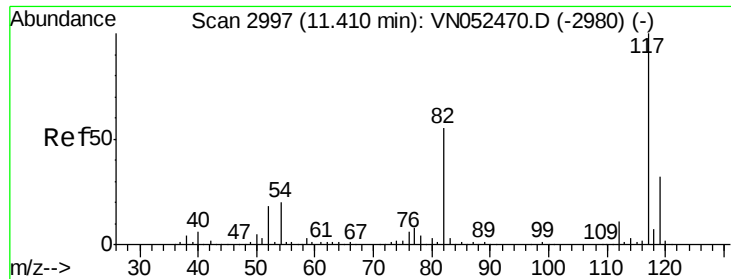
Tgt Ion: 107 Resp: 182020
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 19.567 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion: 95 Resp: 233038
 Ion Ratio Lower Upper
 95 100
 174 86.7 0.0 173.0
 176 84.0 0.0 166.2

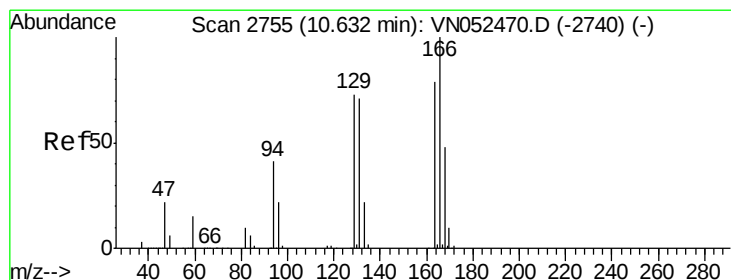
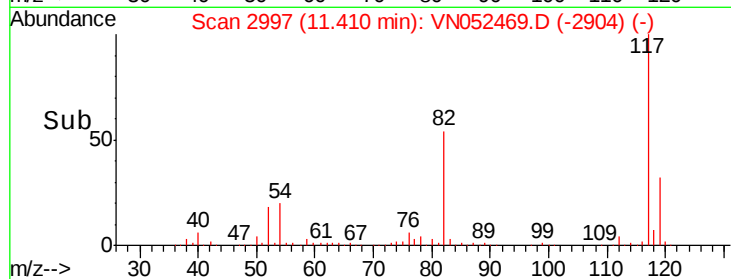
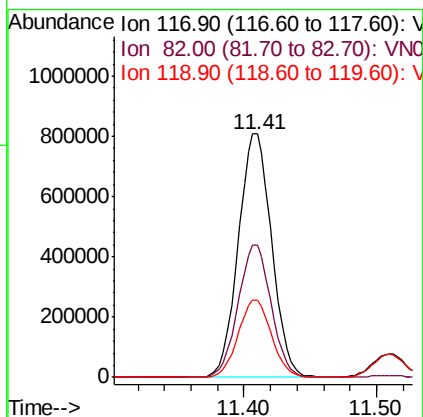
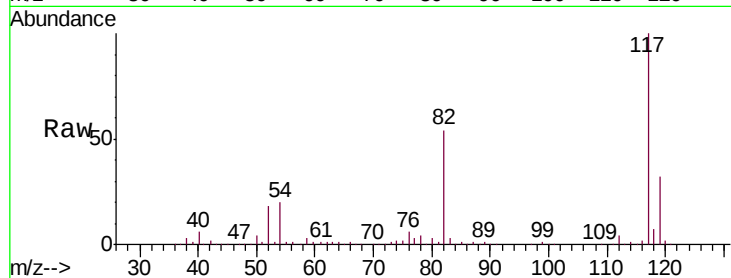




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

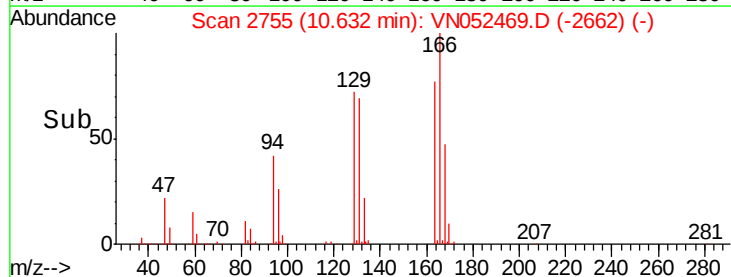
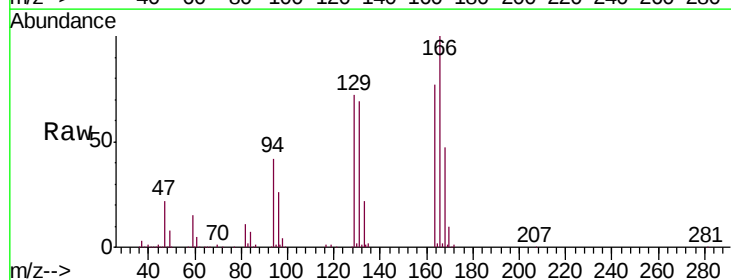
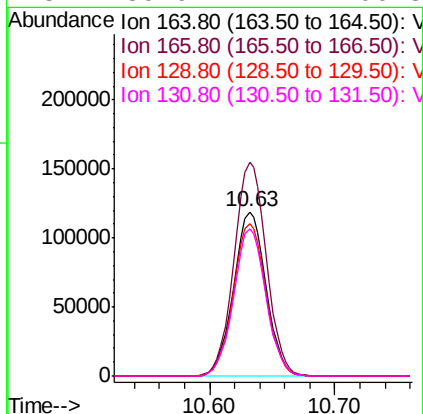
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

Tgt Ion:117 Resp: 1408669
Ion Ratio Lower Upper
117 100
82 54.3 43.6 65.4
119 31.9 25.4 38.2



#64
Tetrachloroethene
Concen: 19.526 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion:164 Resp: 213256
Ion Ratio Lower Upper
164 100
166 129.9 101.0 151.4
129 92.9 73.8 110.6
131 89.9 71.2 106.8





#65

Chlorobenzene

Concen: 19.691 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

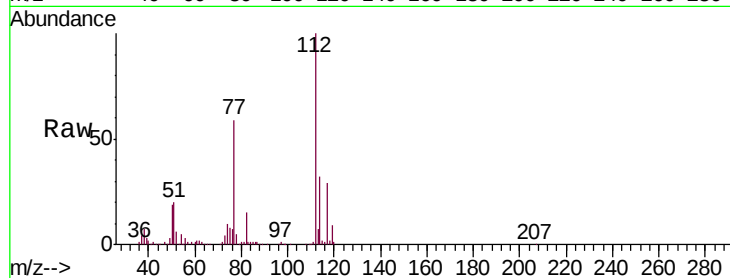
VSTDIC020

Tgt Ion:112 Resp: 571952

Ion Ratio Lower Upper

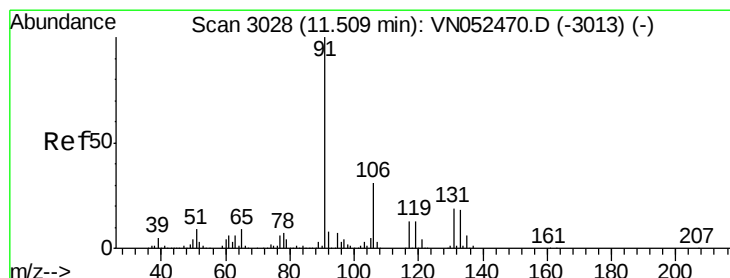
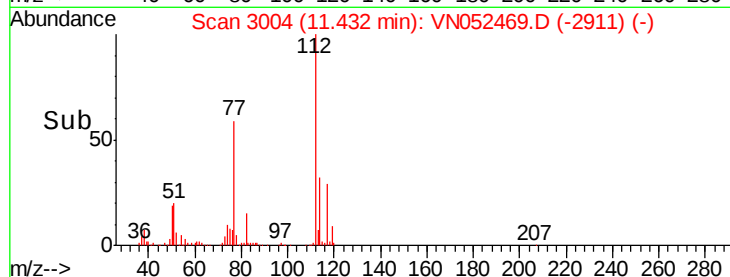
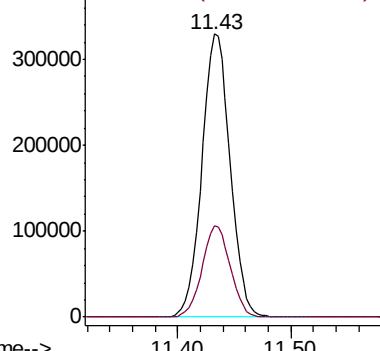
112 100

114 32.1 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.393 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

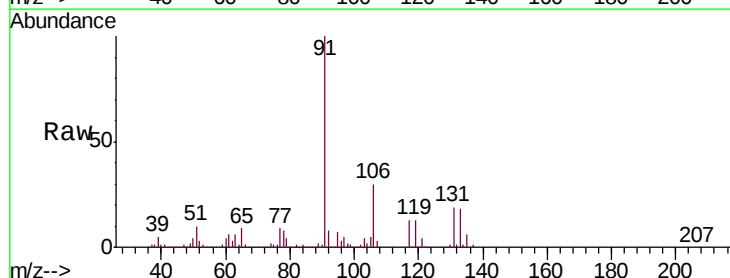
Tgt Ion:131 Resp: 195858

Ion Ratio Lower Upper

131 100

133 96.1 47.6 142.8

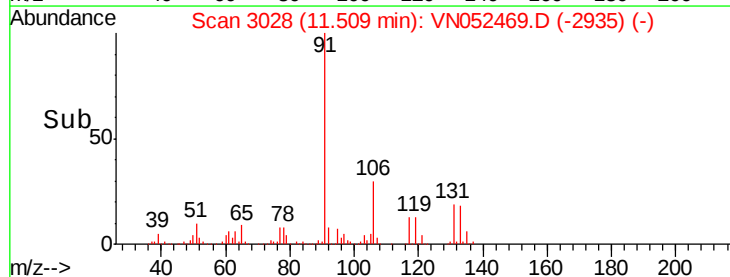
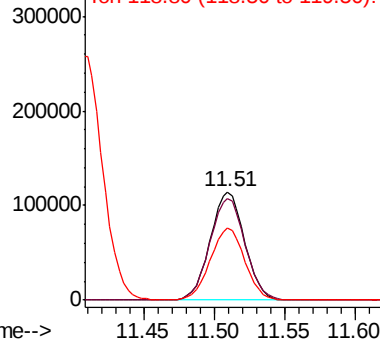
119 66.9 33.2 99.6

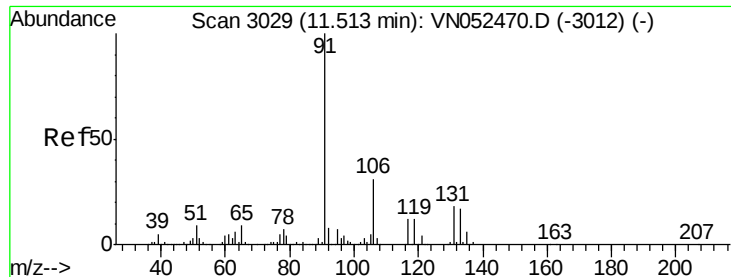


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

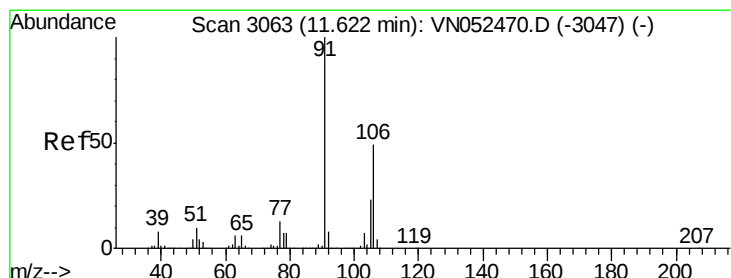
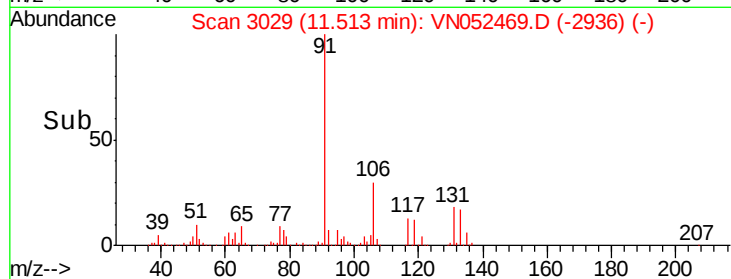
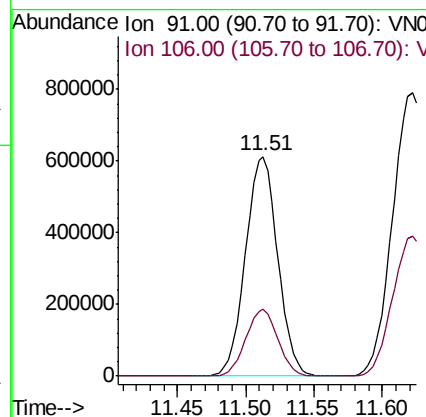
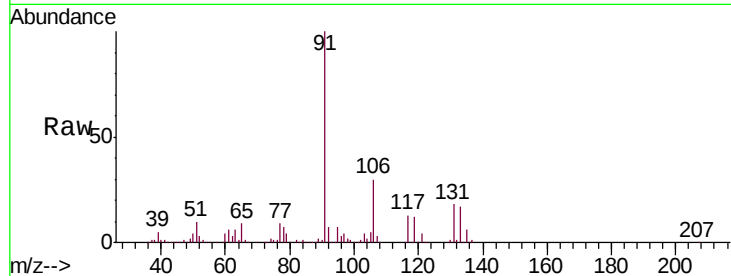




#67
Ethyl Benzene
Concen: 19.797 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

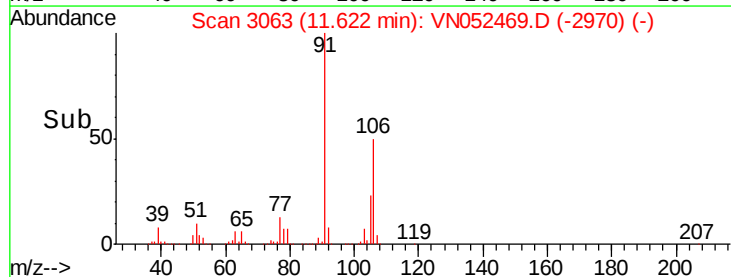
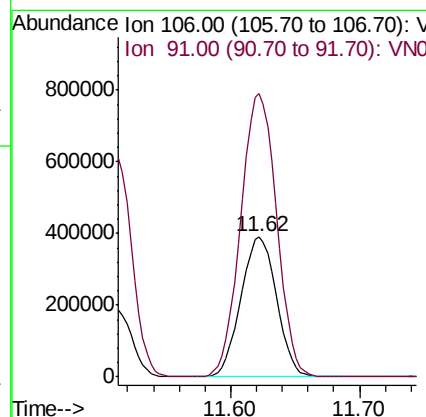
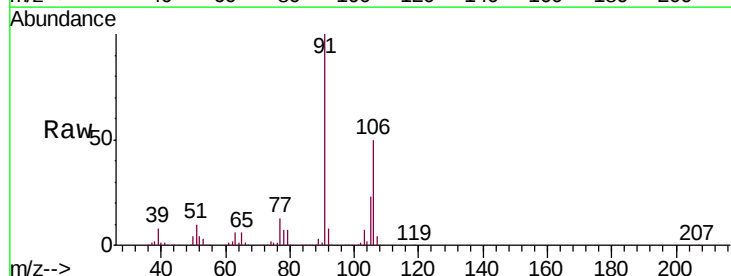
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

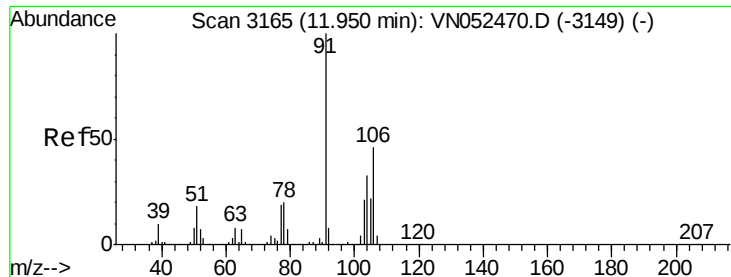
Tgt Ion: 91 Resp: 1006994
Ion Ratio Lower Upper
91 100
106 30.3 24.9 37.3



#68
m/p-Xylenes
Concen: 39.735 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion: 106 Resp: 752417
Ion Ratio Lower Upper
106 100
91 203.6 163.2 244.8

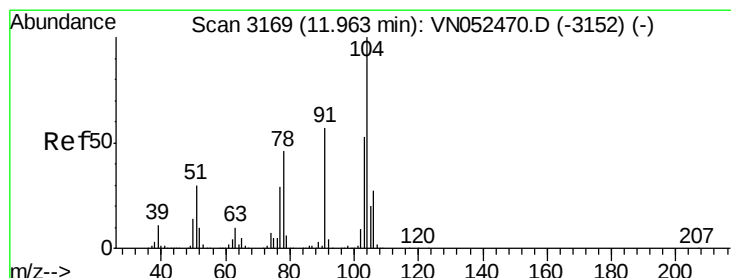
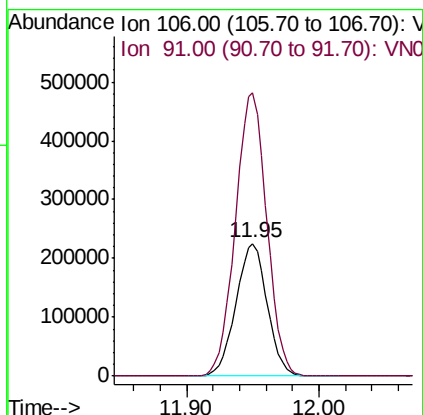
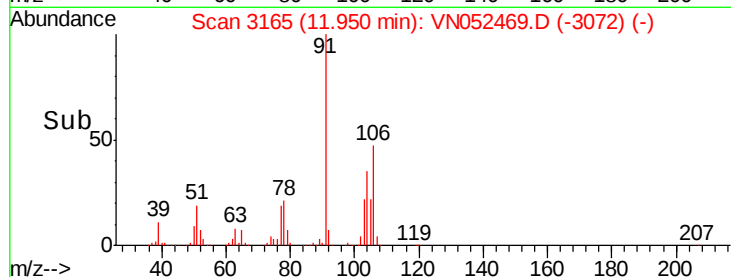
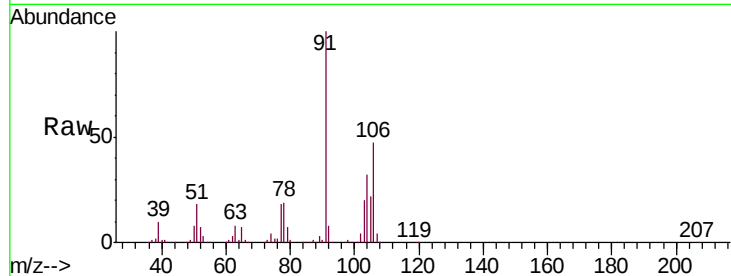




#69
o-Xylene
Concen: 20.031 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

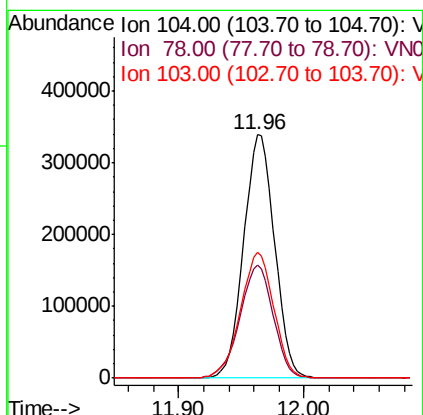
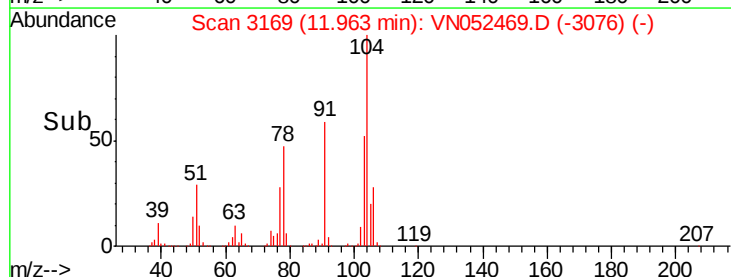
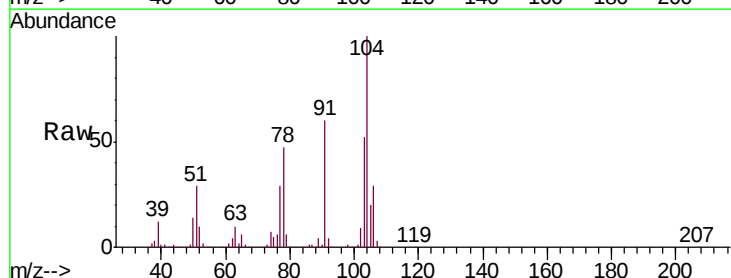
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 368332
Ion Ratio Lower Upper
106 100
91 214.8 107.7 323.1



#70
Styrene
Concen: 19.894 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion:104 Resp: 582663
Ion Ratio Lower Upper
104 100
78 50.1 39.4 59.2
103 55.6 44.9 67.3

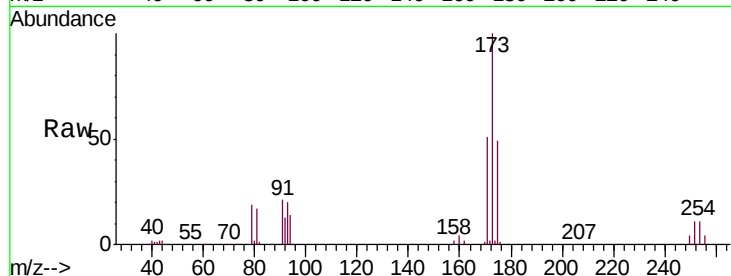




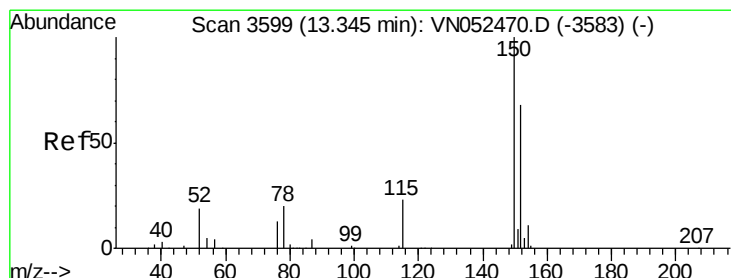
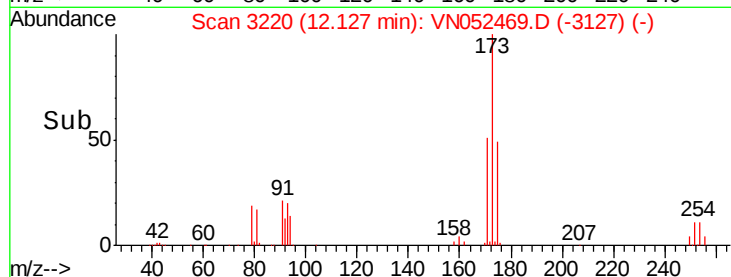
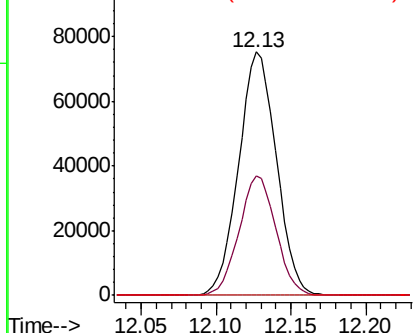
#71
Bromoform
Concen: 19.758 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:173 Resp: 132129
Ion Ratio Lower Upper
173 100
175 47.7 24.4 73.2
254 0.0 0.1 0.1#

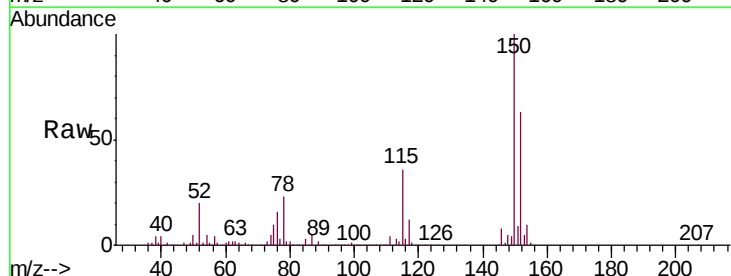


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

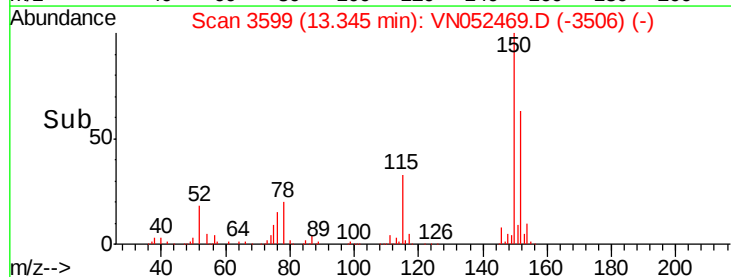
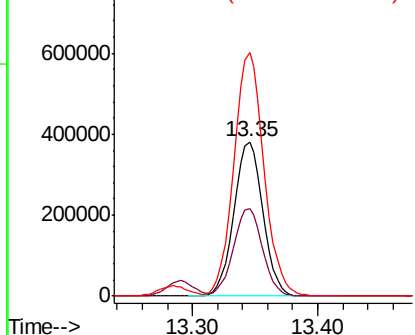


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052469.D
Acq: 27 Nov 2018 10:05

Tgt Ion:152 Resp: 610948
Ion Ratio Lower Upper
152 100
115 56.9 28.4 85.2
150 164.2 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: 20.120 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

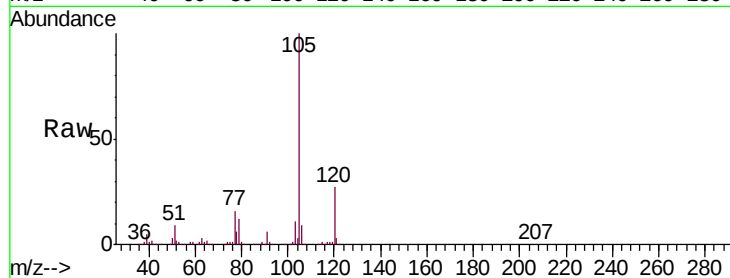
VSTDIC020

Tgt Ion: 105 Resp: 964410

Ion Ratio Lower Upper

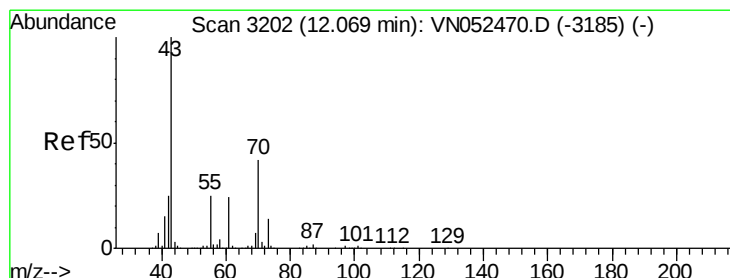
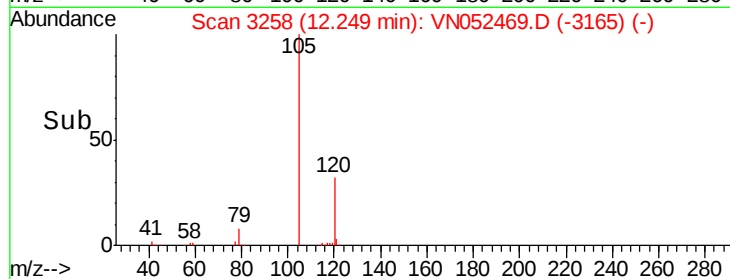
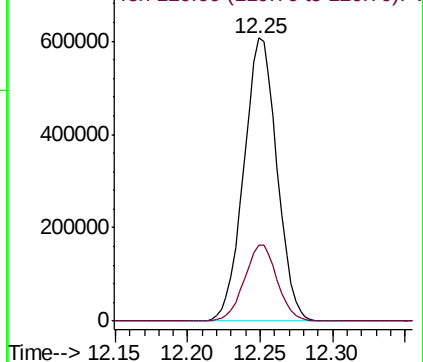
105 100

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



#74

N-ethyl acetate

Concen: 19.306 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Tgt Ion: 43 Resp: 233790

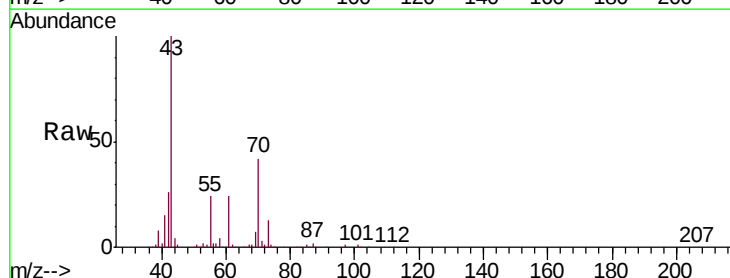
Ion Ratio Lower Upper

43 100

70 42.4 33.8 50.8

55 25.0 20.0 30.0

61 24.5 19.7 29.5

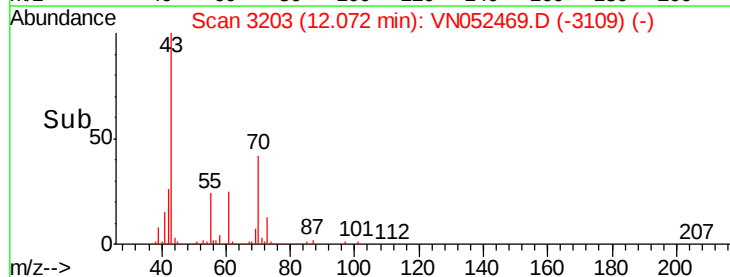
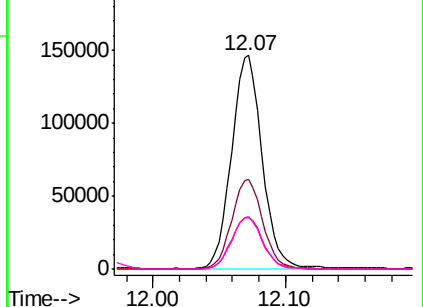


Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 19.998 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

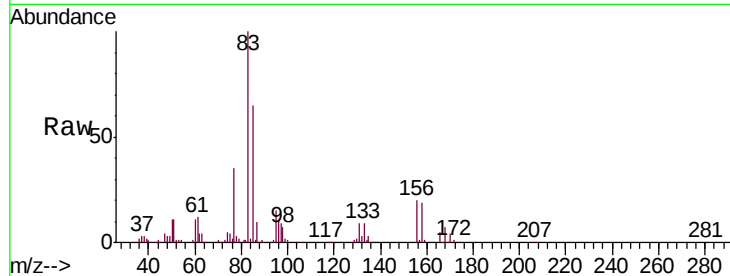
Tgt Ion: 83 Resp: 218055

Ion Ratio Lower Upper

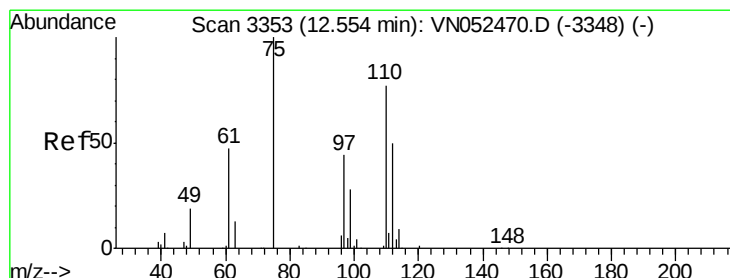
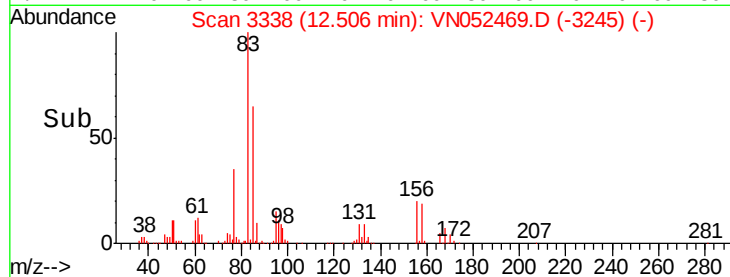
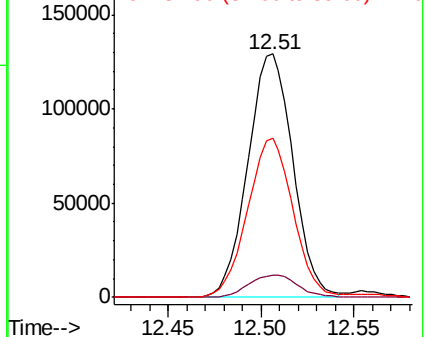
83 100

131 10.0 5.0 15.0

85 65.7 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 29.603 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN052469.D

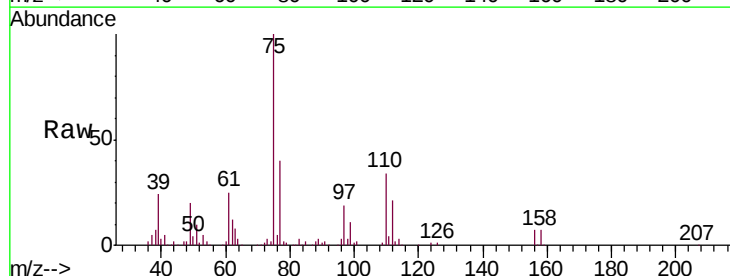
Acq: 27 Nov 2018 10:05

Tgt Ion: 75 Resp: 268260

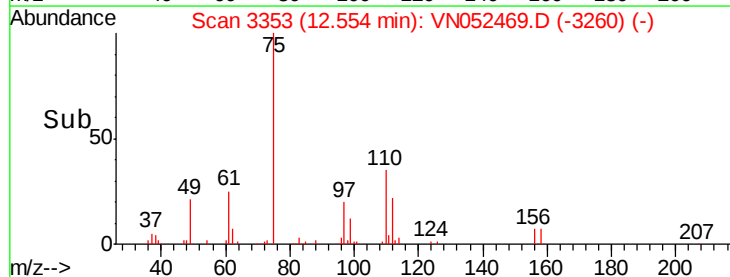
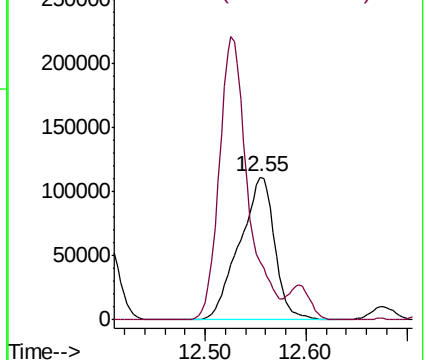
Ion Ratio Lower Upper

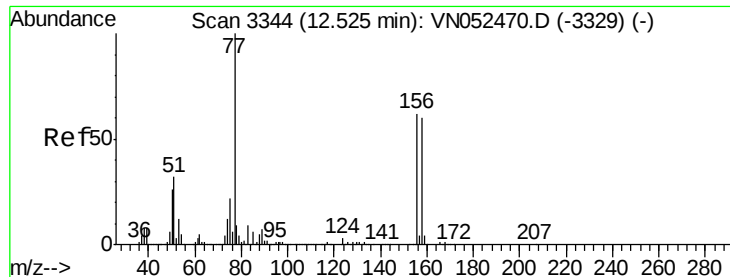
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 19.854 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

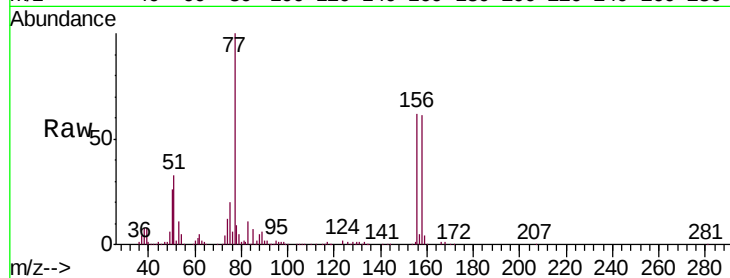
Tgt Ion:156 Resp: 235223

Ion Ratio Lower Upper

156 100

77 187.3 93.5 280.4

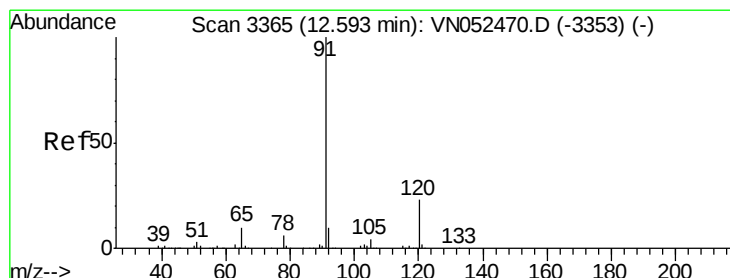
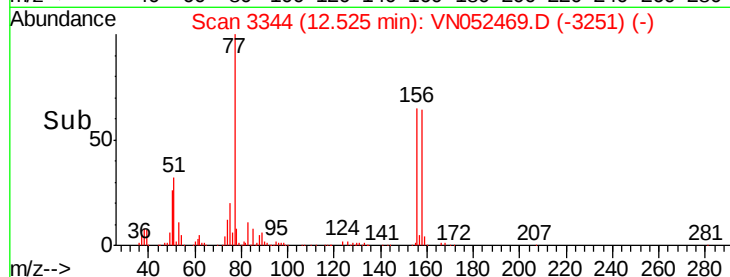
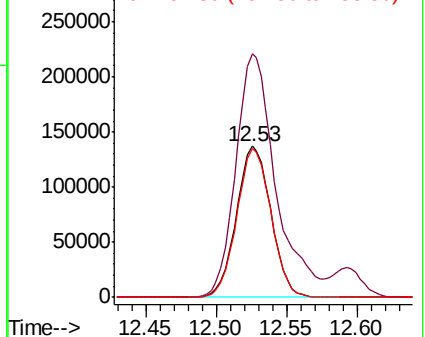
158 97.6 48.3 144.9



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: 20.223 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052469.D

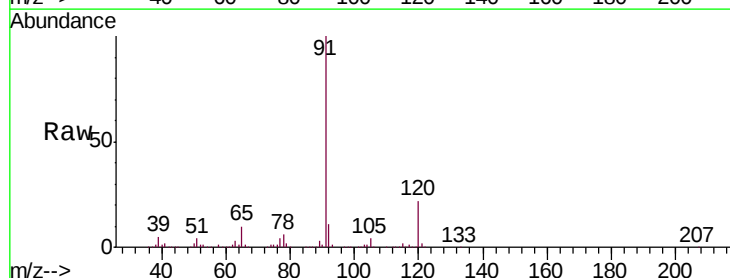
Acq: 27 Nov 2018 10:05

Tgt Ion: 91 Resp: 1101207

Ion Ratio Lower Upper

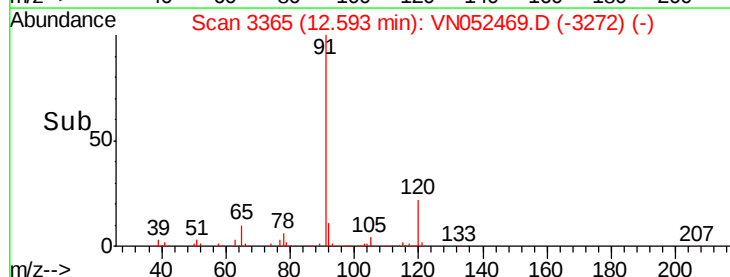
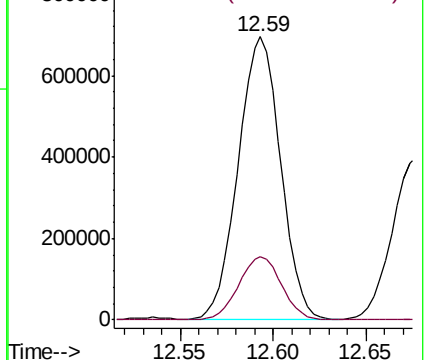
91 100

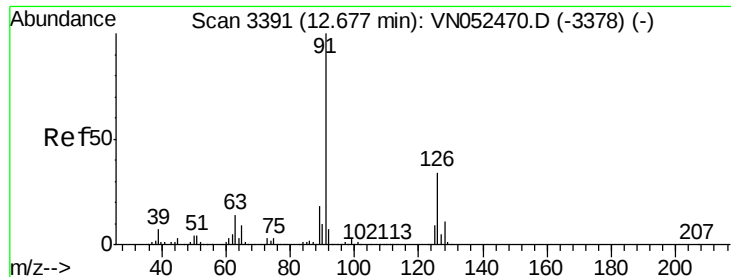
120 22.7 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.180 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

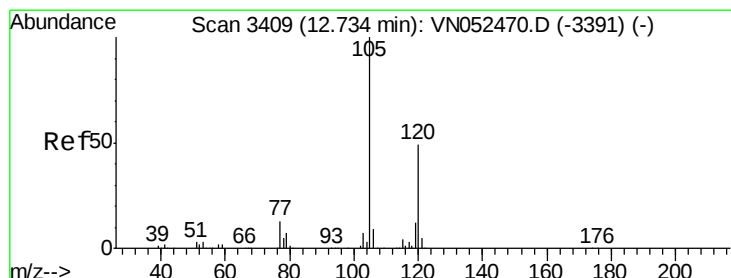
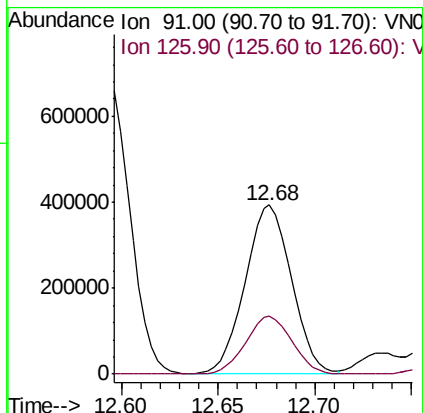
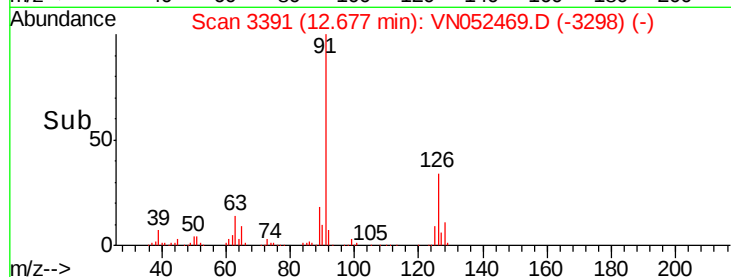
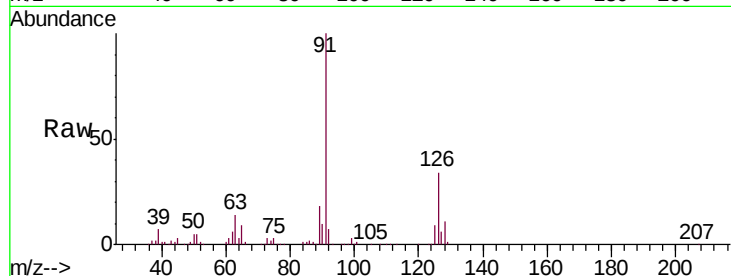
VSTDIC020

Tgt Ion: 91 Resp: 654400

Ion Ratio Lower Upper

91 100

126 34.4 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 20.511 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052469.D

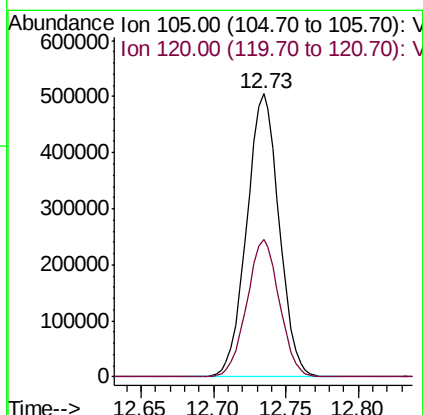
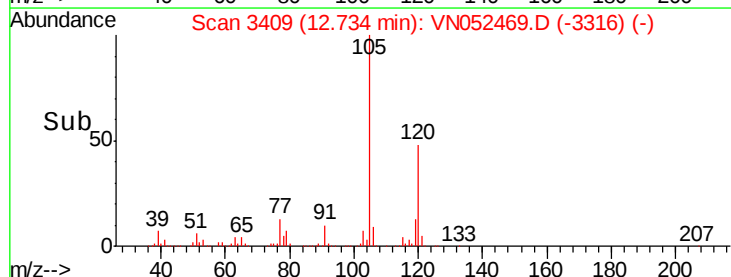
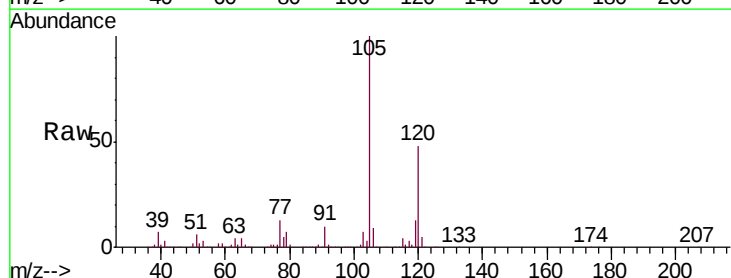
Acq: 27 Nov 2018 10:05

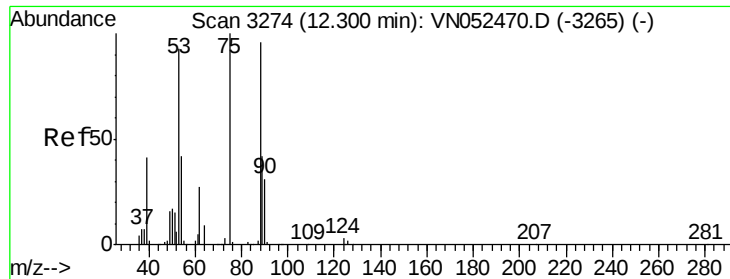
Tgt Ion: 105 Resp: 784108

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.800 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

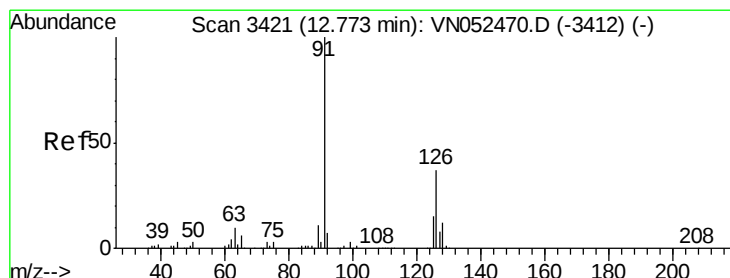
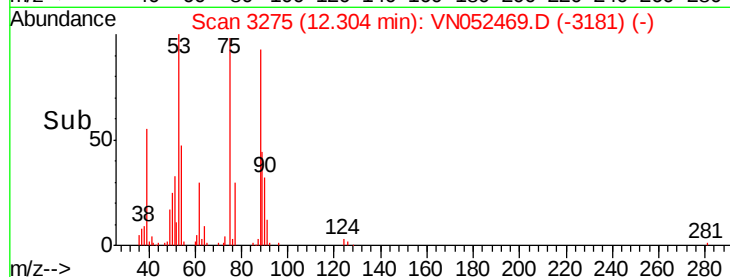
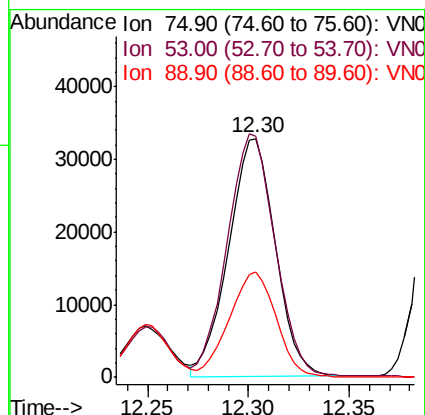
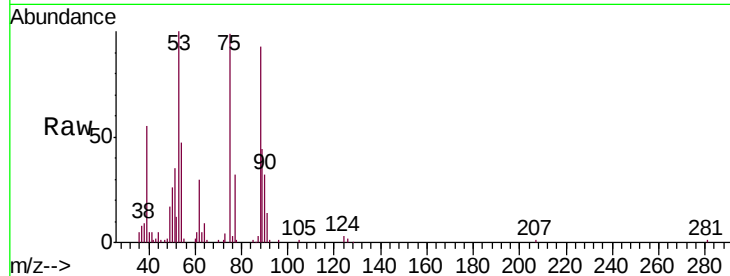
Tgt Ion: 75 Resp: 53036

Ion Ratio Lower Upper

75 100

53 104.6 77.4 116.0

89 44.5 35.4 53.2



#82

4-Chlorotoluene

Concen: 20.018 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052469.D

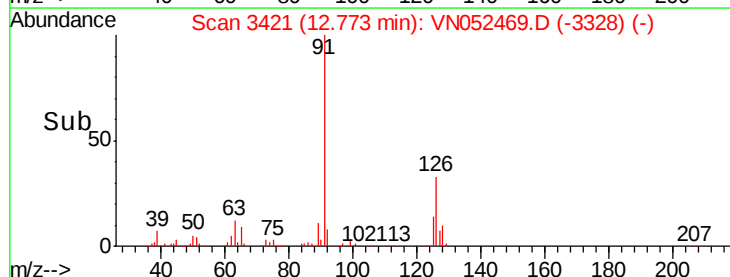
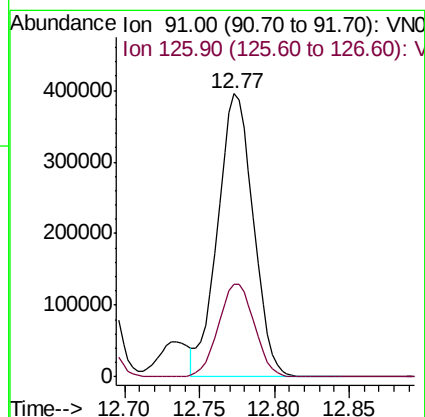
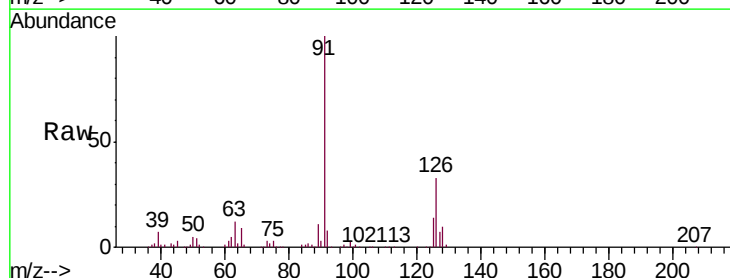
Acq: 27 Nov 2018 10:05

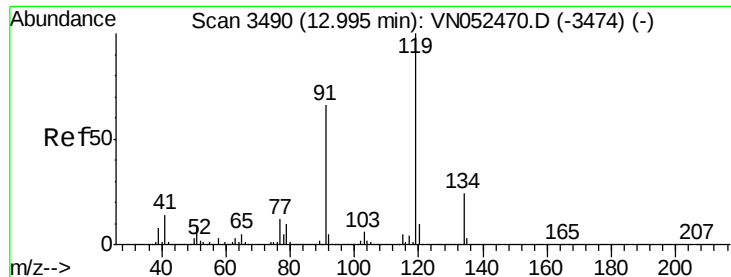
Tgt Ion: 91 Resp: 654228

Ion Ratio Lower Upper

91 100

126 33.2 16.9 50.6

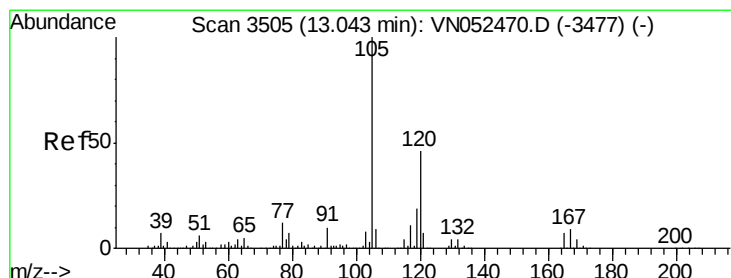
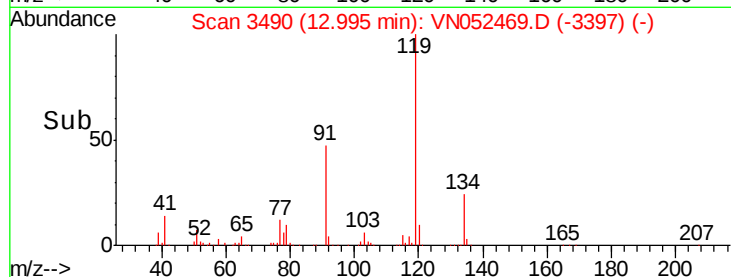
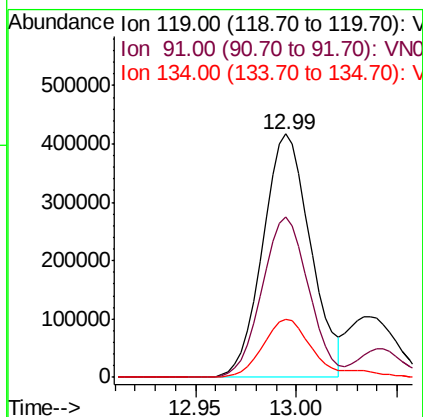
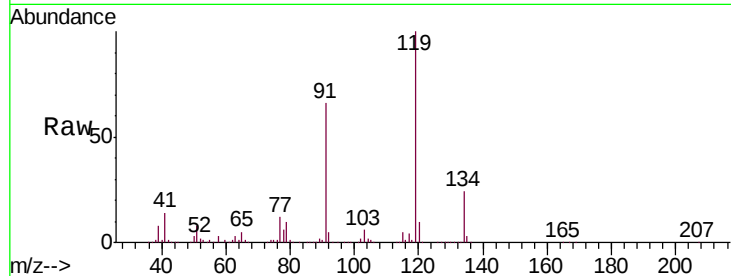




#83
 tert-Butylbenzene
 Concen: 20.175 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

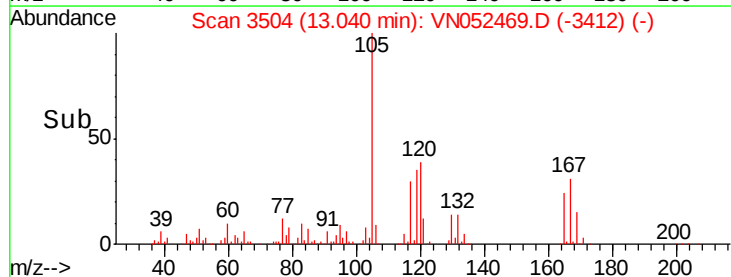
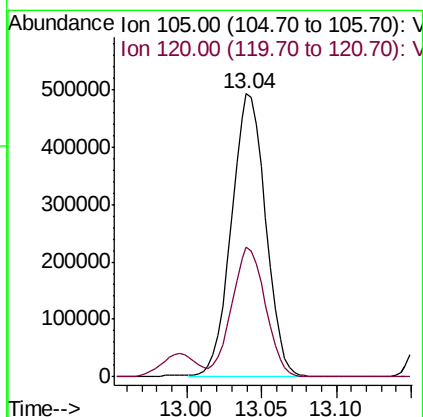
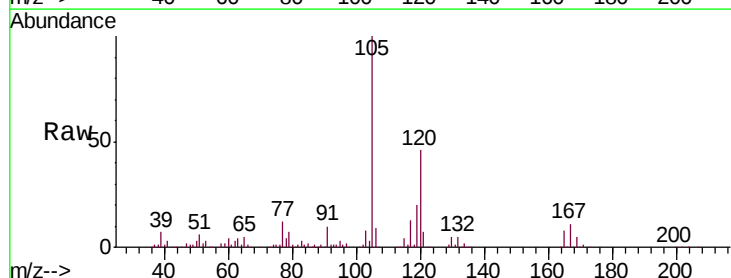
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

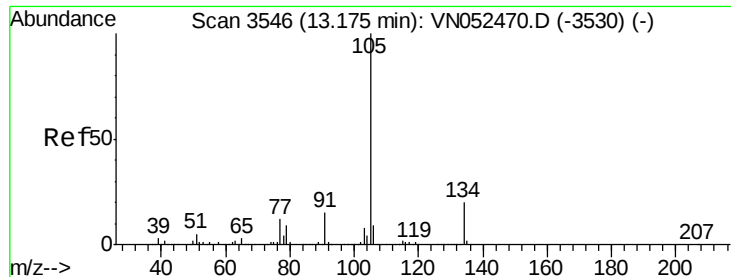
Tgt Ion:119 Resp: 687559
 Ion Ratio Lower Upper
 119 100
 91 64.7 32.3 96.9
 134 25.8 13.0 38.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.431 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion:105 Resp: 782736
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.8 68.4

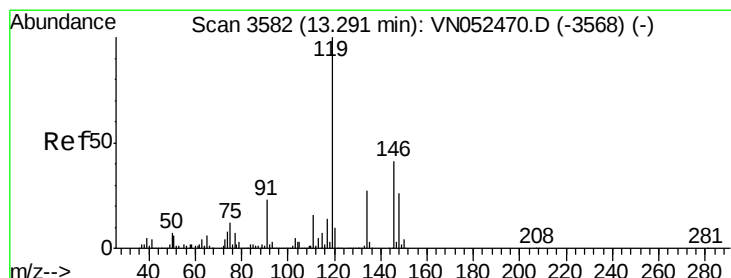
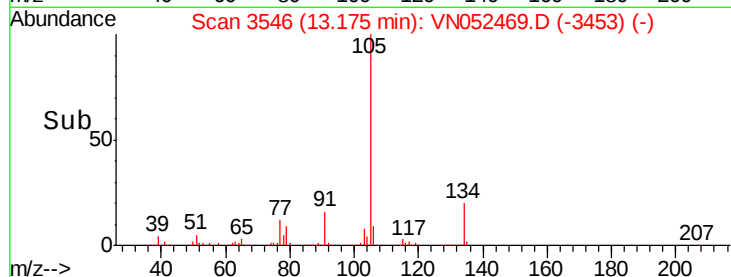
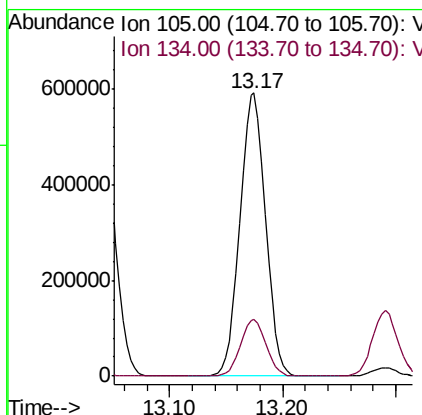
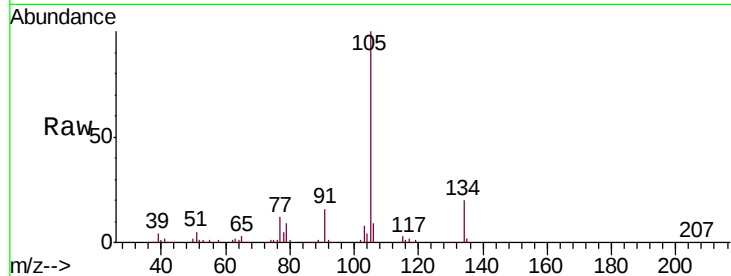




#85
 sec-Butylbenzene
 Concen: 20.123 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

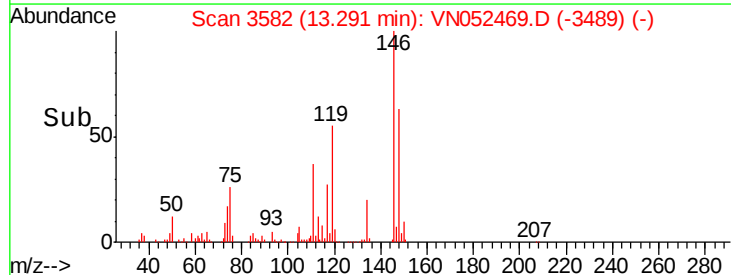
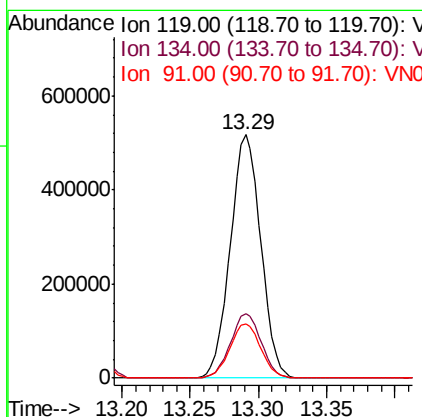
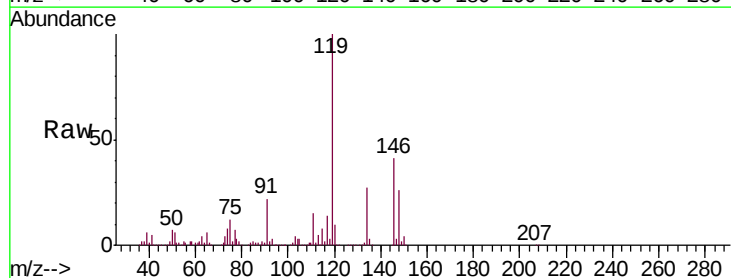
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

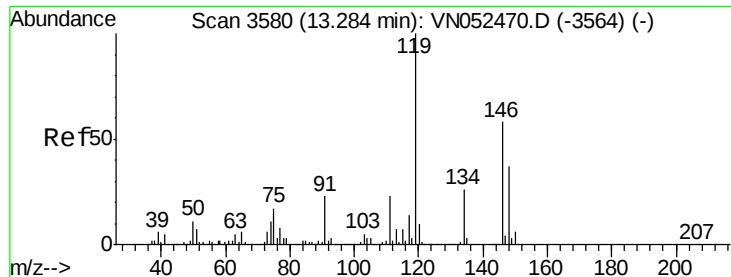
Tgt Ion:105 Resp: 934103
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 20.217 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052469.D
 Acq: 27 Nov 2018 10:05

Tgt Ion:119 Resp: 799329
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.4 40.2
 91 22.5 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 19.924 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

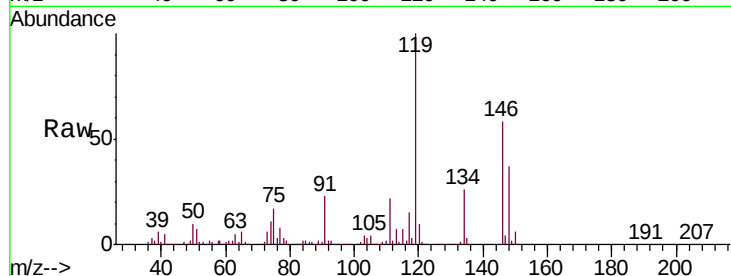
Tgt Ion:146 Resp: 412906

Ion Ratio Lower Upper

146 100

111 38.1 19.4 58.4

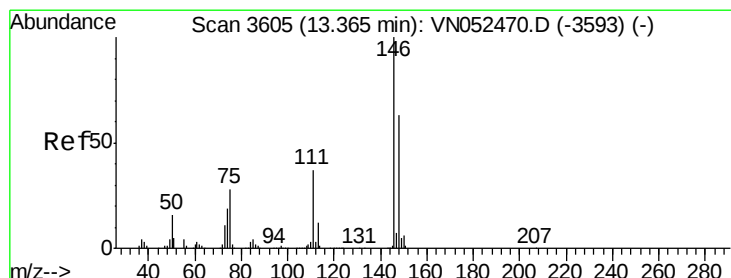
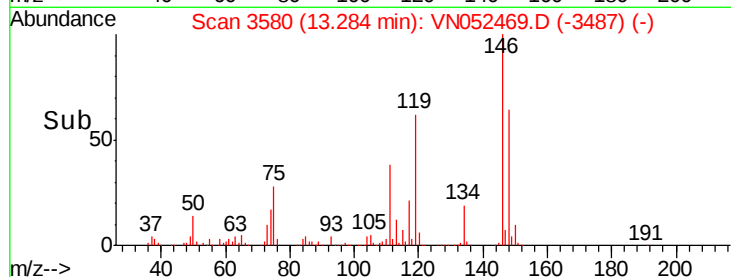
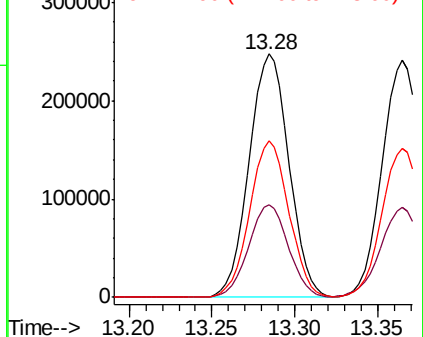
148 63.4 31.8 95.4



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



#88

1,4-Dichlorobenzene

Concen: 19.672 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

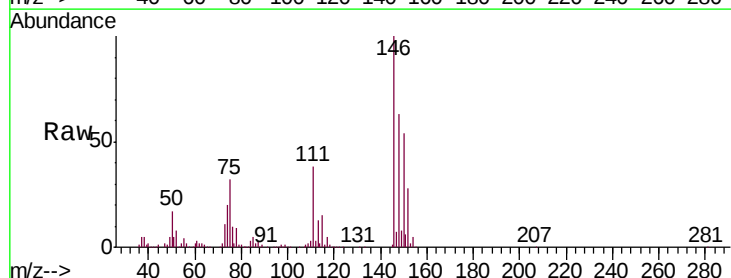
Tgt Ion:146 Resp: 401571

Ion Ratio Lower Upper

146 100

111 39.1 18.6 56.0

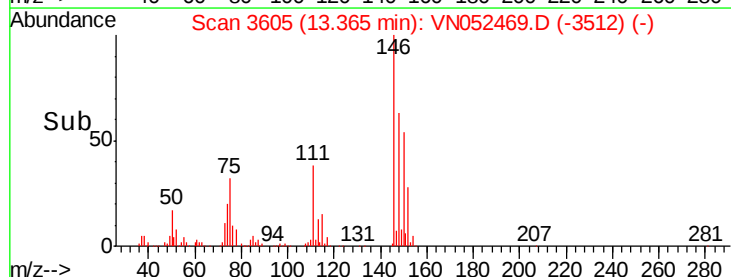
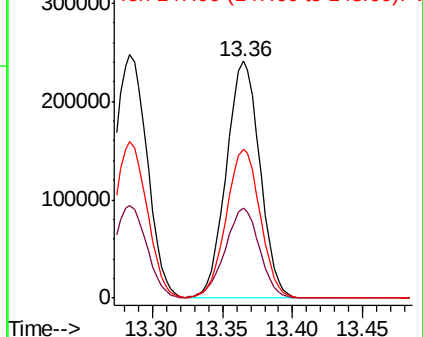
148 63.6 31.9 95.9

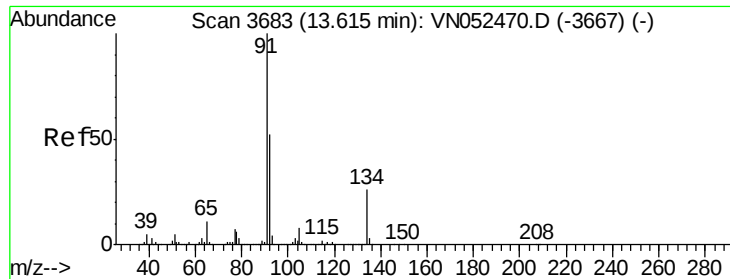


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.945 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

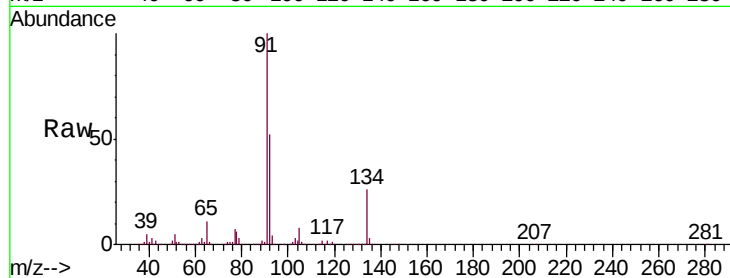
Tgt Ion: 91 Resp: 655804

Ion Ratio Lower Upper

91 100

92 52.2 26.1 78.3

134 25.5 13.0 38.9

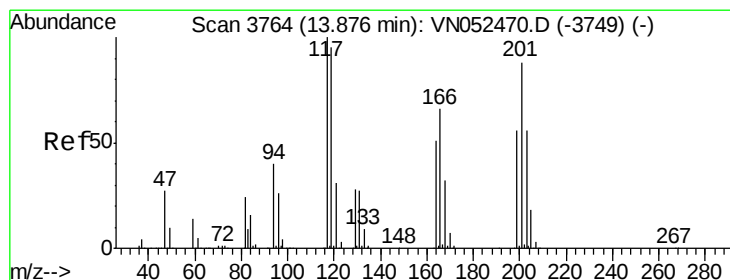
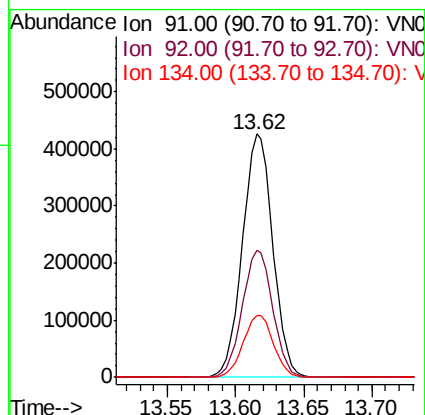
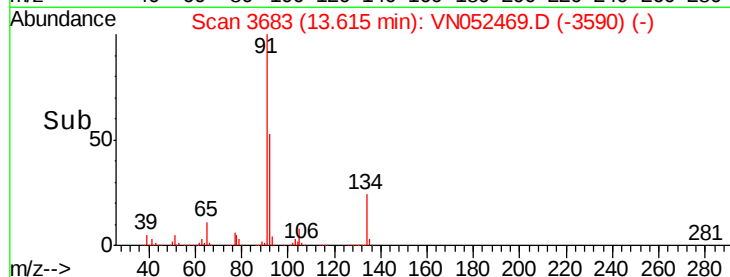


Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN052470.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN052470.D (-3667) (-)

Time-->



#90

Hexachloroethane

Concen: 19.580 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052469.D

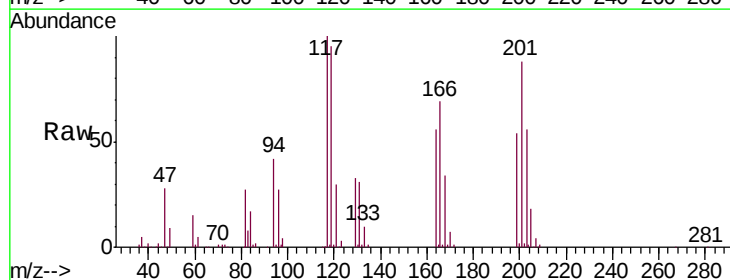
Acq: 27 Nov 2018 10:05

Tgt Ion: 117 Resp: 131075

Ion Ratio Lower Upper

117 100

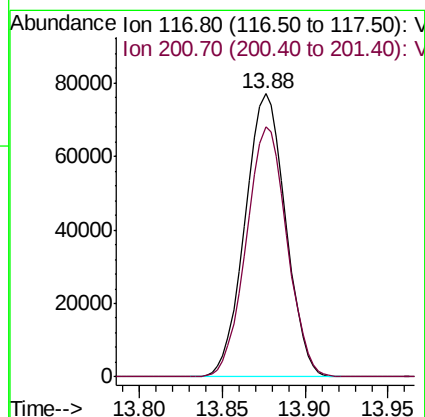
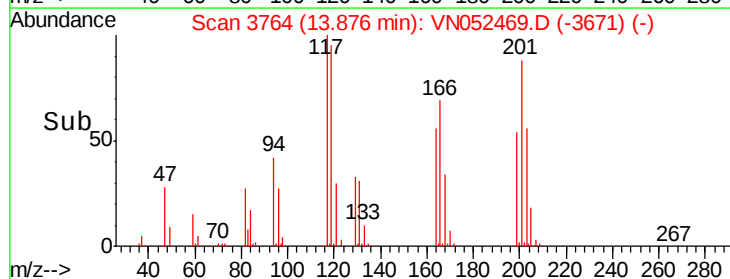
201 88.6 43.6 130.9

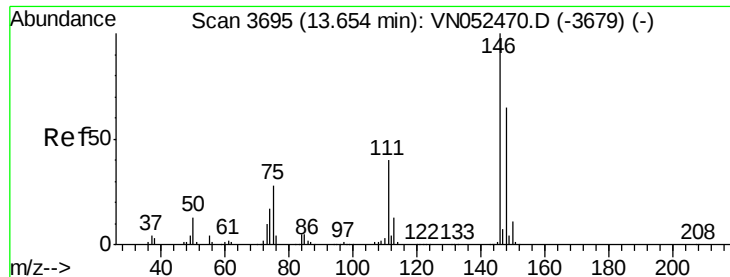


Abundance Ion 116.80 (116.50 to 117.50): VN052470.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN052470.D (-3749) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 19.928 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

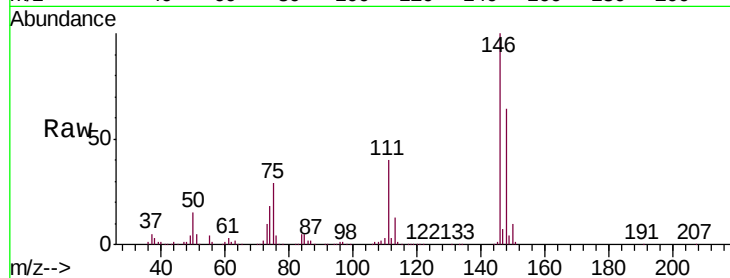
Tgt Ion:146 Resp: 394575

Ion Ratio Lower Upper

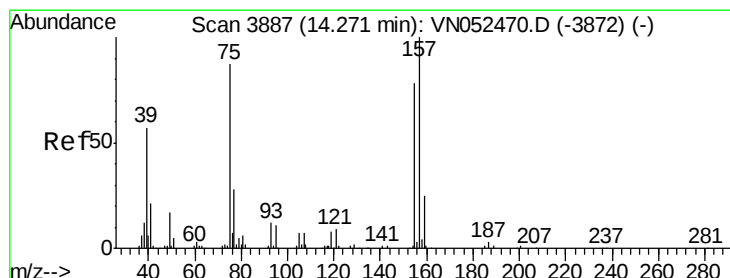
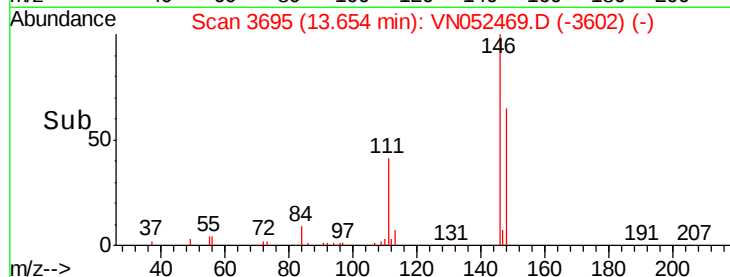
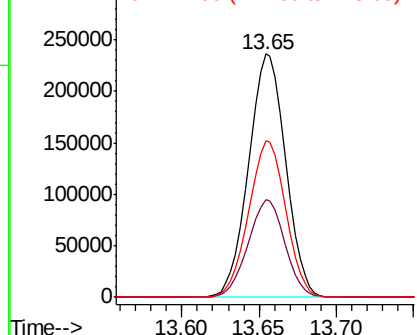
146 100

111 39.9 20.0 60.0

148 64.2 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: 18.729 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

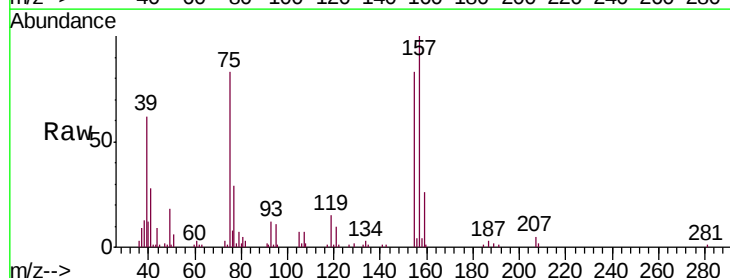
Tgt Ion: 75 Resp: 29207

Ion Ratio Lower Upper

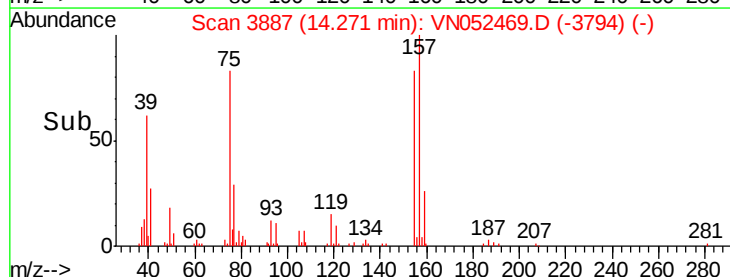
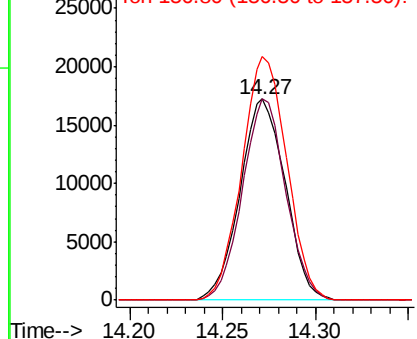
75 100

155 95.8 45.3 135.9

157 120.4 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: 19.402 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

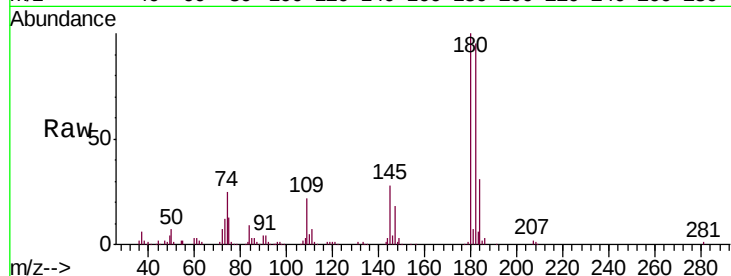
Tgt Ion:180 Resp: 181652

Ion Ratio Lower Upper

180 100

182 96.5 47.8 143.4

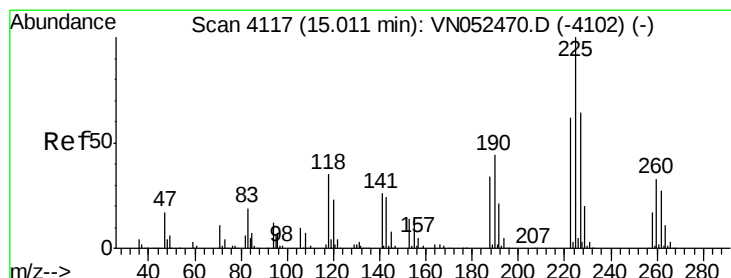
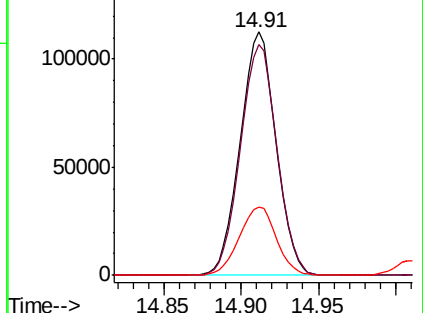
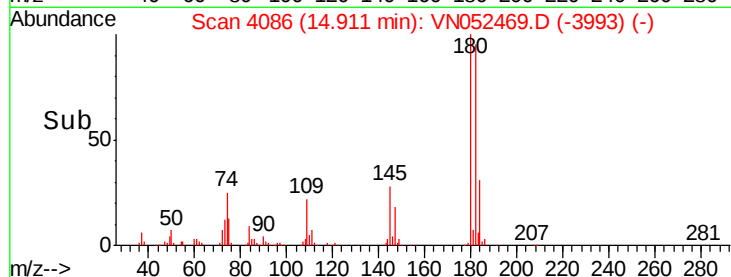
145 29.1 14.1 42.3



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: 19.894 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

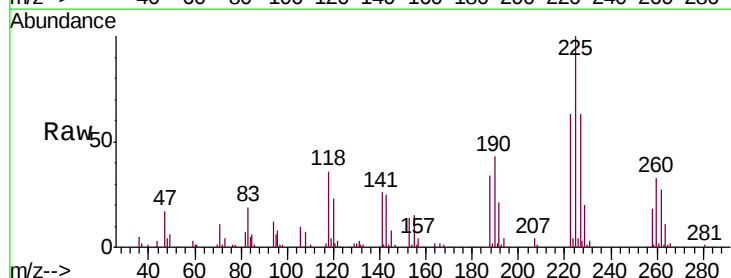
Tgt Ion:225 Resp: 126721

Ion Ratio Lower Upper

225 100

223 62.5 31.4 94.2

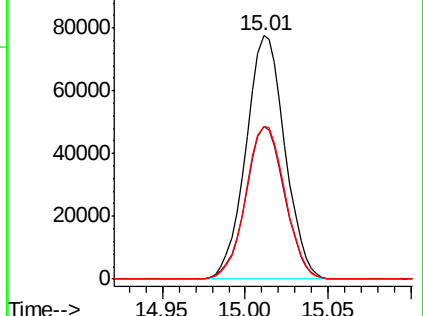
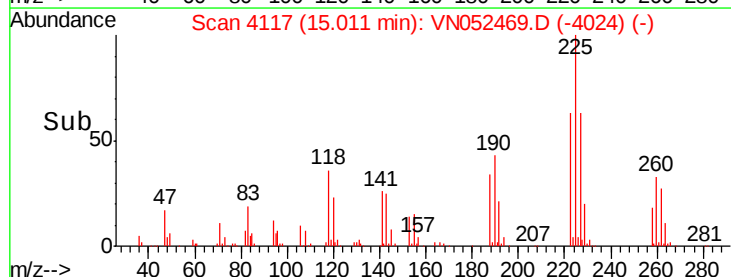
227 63.3 32.5 97.4

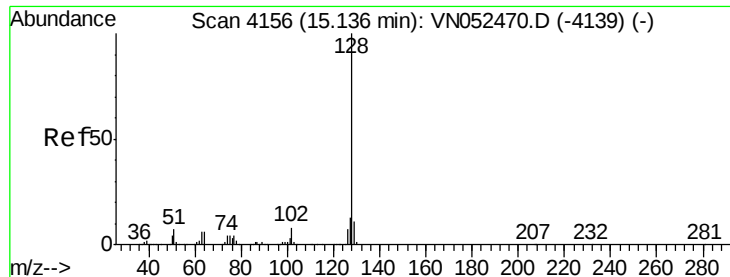


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 19.423 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

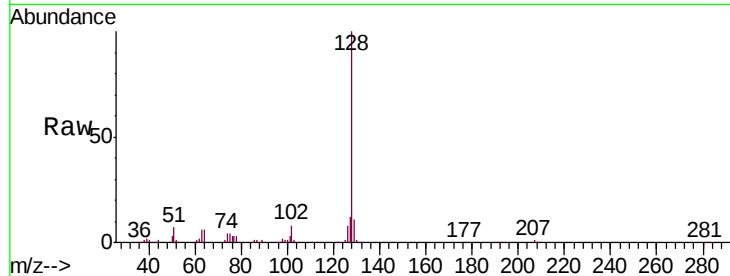
Tgt Ion:128 Resp: 375398

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

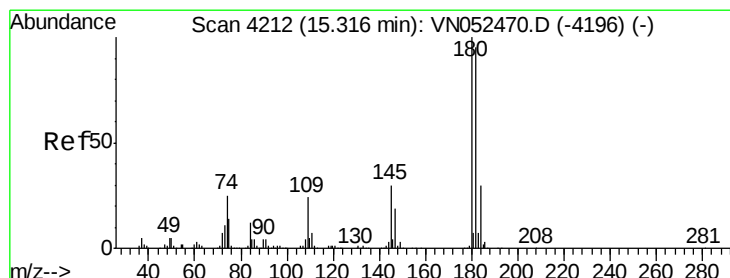
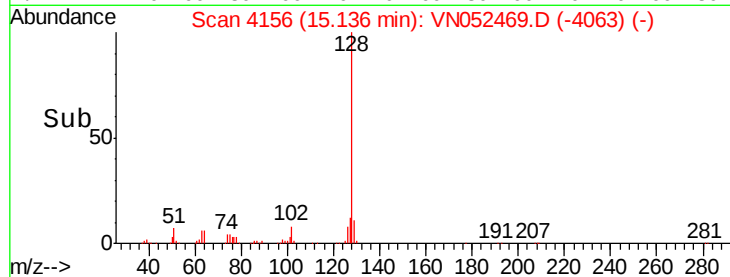
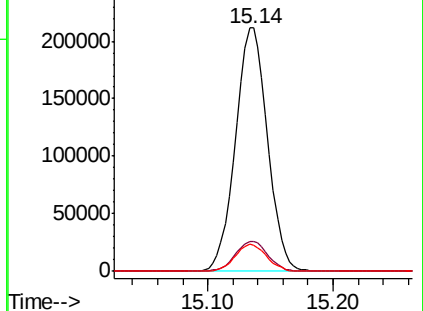
129 10.9 8.7 13.1



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: 20.042 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052469.D

Acq: 27 Nov 2018 10:05

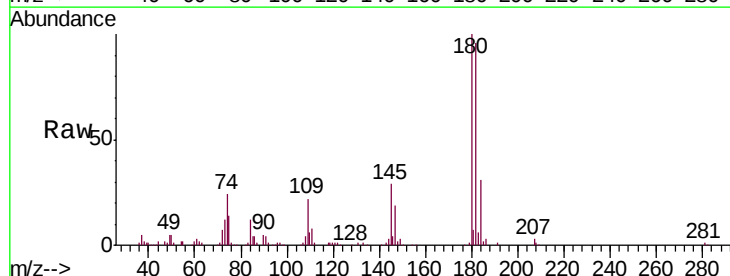
Tgt Ion:180 Resp: 175251

Ion Ratio Lower Upper

180 100

182 95.4 47.8 143.3

145 29.3 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

