

Data File : VN052468.D
Acq On : 27 Nov 2018 9:39
Operator : MD\SY
Sample : VSTDIC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Quant Time: Nov 28 00:43:39 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	1037136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1628884	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1408781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	578213	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	55603	4.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.84%	
35) Dibromofluoromethane	7.59	113	49915	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	
50) Toluene-d8	10.09	98	190682	4.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.76%	
62) 4-Bromofluorobenzene	12.40	95	60890	4.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	50465	5.197	ug/l	98
3) Chloromethane	2.06	50	64959	5.068	ug/l	97
4) Vinyl Chloride	2.19	62	66156	5.024	ug/l	98
5) Bromomethane	2.57	94	44898	5.465	ug/l	98
6) Chloroethane	2.71	64	41390	5.189	ug/l	94
7) Trichlorofluoromethane	3.02	101	83597	5.168	ug/l	94
8) Diethyl Ether	3.41	74	29876	5.002	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	52504	5.202	ug/l	98
10) Methyl Iodide	3.95	142	53431	3.975	ug/l	99
11) Tert butyl alcohol	4.77	59	13613	24.080	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	50027	5.149	ug/l	95
13) Acrolein	3.61	56	23301	26.200	ug/l	98
14) Allyl chloride	4.33	41	82909	4.951	ug/l	99
15) Acrylonitrile	4.99	53	86898	24.282	ug/l	99
16) Acetone	3.82	43	73070	24.532	ug/l	99
17) Carbon Disulfide	4.06	76	151300	4.949	ug/l	99
18) Methyl Acetate	4.33	43	40849	4.781	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	125776	4.866	ug/l	97
20) Methylene Chloride	4.55	84	58993	5.061	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	53356	5.142	ug/l	94
22) Diisopropyl ether	5.95	45	173877	4.944	ug/l	96
23) Vinyl Acetate	5.90	43	510900	23.321	ug/l	100
24) 1,1-Dichloroethane	5.85	63	101455	5.052	ug/l	99
25) 2-Butanone	6.84	43	103386	24.489	ug/l	99
26) 2,2-Dichloropropane	6.83	77	66834	4.808	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	59465	4.920	ug/l	99
28) Bromochloromethane	7.19	49	46024	5.018	ug/l	99
29) Tetrahydrofuran	7.21	42	65197	23.943	ug/l	99
30) Chloroform	7.37	83	100704	5.026	ug/l	99
31) Cyclohexane	7.65	56	110275	4.908	ug/l #	83
32) 1,1,1-Trichloroethane	7.57	97	78428	4.941	ug/l	100
36) 1,1-Dichloropropene	7.79	75	75897	4.934	ug/l	99
37) Ethyl Acetate	6.93	43	45362	4.832	ug/l	99
38) Carbon Tetrachloride	7.77	117	69109	4.963	ug/l	98

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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)
39) Methylcyclohexane	9.08	83	90461	4.838	ug/l	98
40) Benzene	8.04	78	229515	5.007	ug/l	97
41) Methacrylonitrile	7.17	41	24288	4.732	ug/l	93
42) 1,2-Dichloroethane	8.12	62	67381	4.854	ug/l	97
43) Isopropyl Acetate	8.16	43	73374	4.619	ug/l #	86
44) Trichloroethene	8.84	130	57968	4.937	ug/l	99
45) 1,2-Dichloropropane	9.12	63	60938	5.000	ug/l	97
46) Dibromomethane	9.21	93	33307	4.937	ug/l	99
47) Bromodichloromethane	9.40	83	70987	4.839	ug/l	98
48) Methyl methacrylate	9.20	41	36883	4.452	ug/l	99
49) 1,4-Dioxane	9.20	88	9156	106.502	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	213170	23.916	ug/l	98
52) Toluene	10.16	92	133441	4.899	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	63539	4.503	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	78940	4.668	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	48058	5.016	ug/l	97
56) Ethyl methacrylate	10.43	69	52714	4.471	ug/l	98
57) 1,3-Dichloropropane	10.71	76	84548	4.998	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	159681	22.970	ug/l	99
59) 2-Hexanone	10.75	43	139522	23.323	ug/l	99
60) Dibromochloromethane	10.90	129	49228	4.731	ug/l	100
61) 1,2-Dibromoethane	11.00	107	46509	4.888	ug/l	96
64) Tetrachloroethene	10.63	164	56540	5.176	ug/l	98
65) Chlorobenzene	11.43	112	145260	5.001	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	49990	4.949	ug/l	99
67) Ethyl Benzene	11.51	91	250929	4.933	ug/l	97
68) m/p-Xylenes	11.62	106	182585	9.641	ug/l	98
69) o-Xylene	11.95	106	88823	4.830	ug/l	97
70) Styrene	11.96	104	139396	4.759	ug/l	99
71) Bromoform	12.13	173	30737	4.596	ug/l #	100
73) Isopropylbenzene	12.25	105	236001	5.202	ug/l	99
74) N-amyl acetate	12.07	43	52700	4.598	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	54607	5.292	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	63534	7.408	ug/l #	100
77) Bromobenzene	12.53	156	58694	5.235	ug/l	98
78) n-propylbenzene	12.59	91	263153	5.106	ug/l	100
79) 2-Chlorotoluene	12.68	91	160732	5.237	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	185394	5.124	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	12414	4.650	ug/l	93
82) 4-Chlorotoluene	12.77	91	160030	5.174	ug/l	99
83) tert-Butylbenzene	12.99	119	170784	5.295	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	185399	5.113	ug/l	99
85) sec-Butylbenzene	13.17	105	227546	5.180	ug/l	99
86) p-Isopropyltoluene	13.29	119	185288	4.952	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	98804	5.037	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	96225	4.981	ug/l	95
89) n-Butylbenzene	13.62	91	147151	4.729	ug/l	99
90) Hexachloroethane	13.88	117	31873	5.031	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	94356	5.035	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	7044	4.773	ug/l	94

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

Data File : VN052468.D
Acq On : 27 Nov 2018 9:39
Operator : MD\SY
Sample : VSTDICC005
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Nov 28 00:43:39 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)
93) 1,2,4-Trichlorobenzene	14.91	180	35380	3.993	ug/l	97
94) Hexachlorobutadiene	15.01	225	31592	5.241	ug/l	98
95) Naphthalene	15.14	128	67861	3.710	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	33193	4.011	ug/l	99

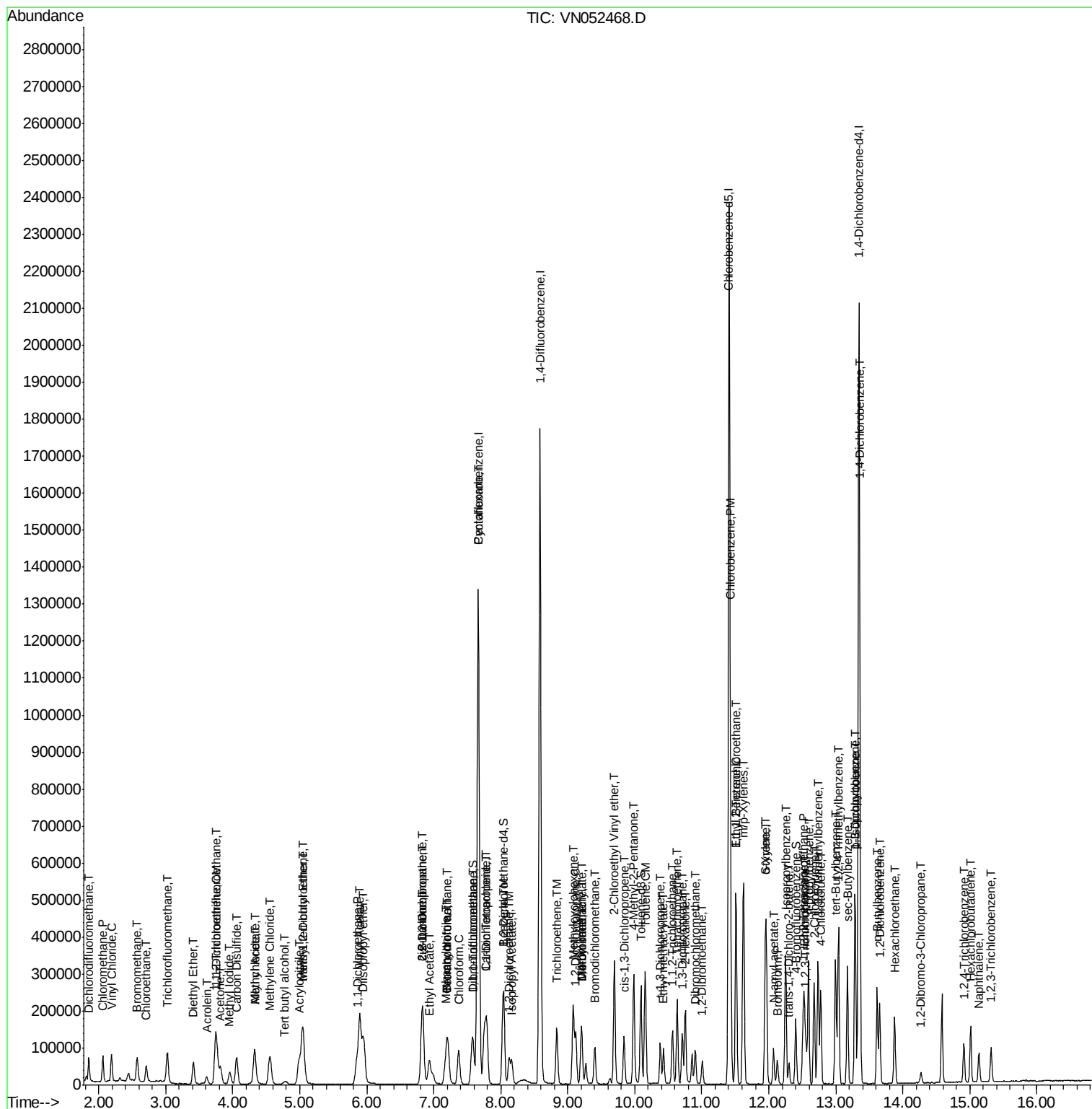
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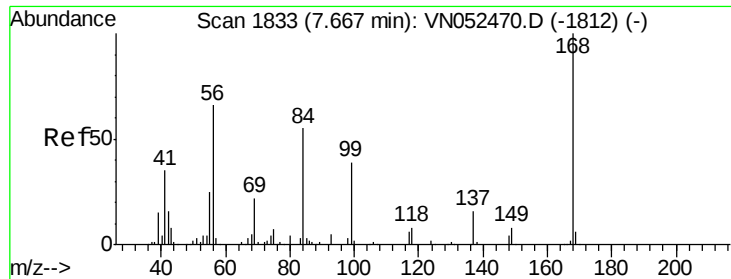
Data File : VN052468.D

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Acq On       : 27 Nov 2018    9:39
Operator     : MD\SY
Sample       : VSTDIC005
Misc         : 5.00mL/MSVOA_N/WATER
ALS Vial     : 3      Sample Multiplier: 28
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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Nov 28 00:43:39 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

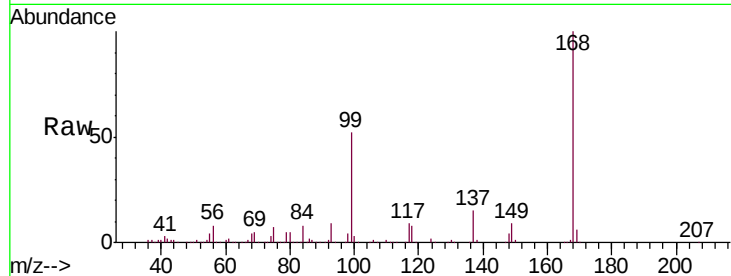
VSTDIC005

Tgt Ion:168 Resp: 1037136

Ion Ratio Lower Upper

168 100

99 51.8 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

400000

300000

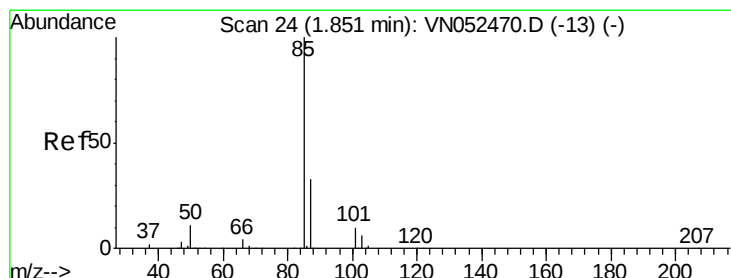
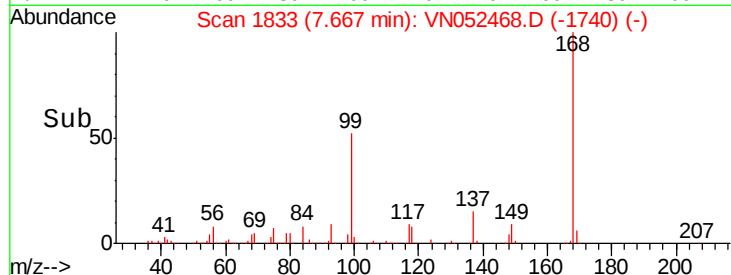
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 5.197 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052468.D

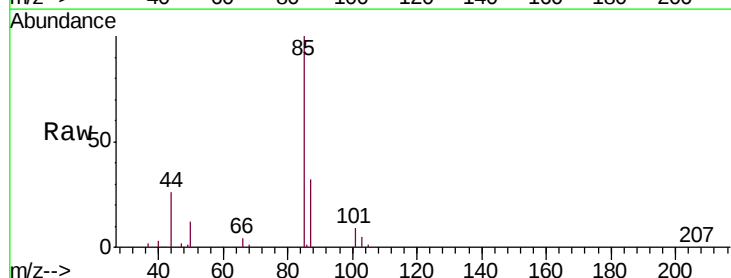
Acq: 27 Nov 2018 9:39

Tgt Ion: 85 Resp: 50465

Ion Ratio Lower Upper

85 100

87 32.2 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

40000

30000

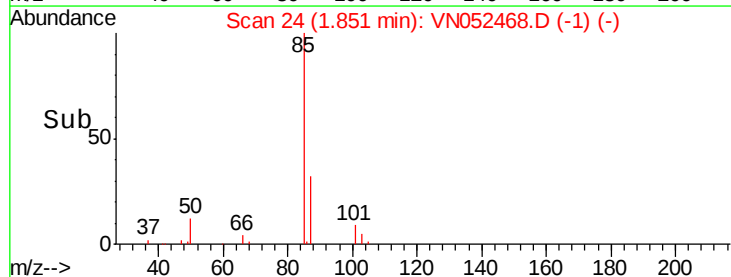
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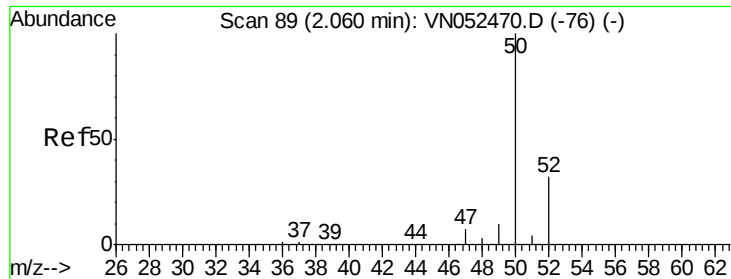
10000

0

1.80 1.85 1.90 1.95

Time-->

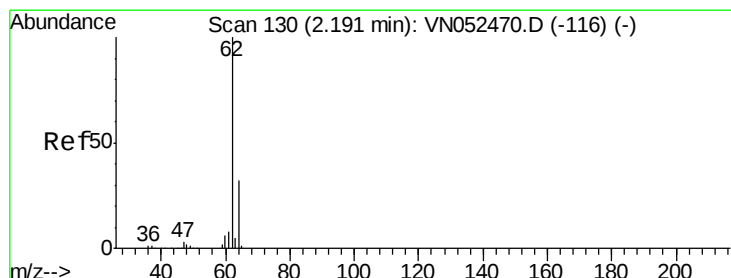
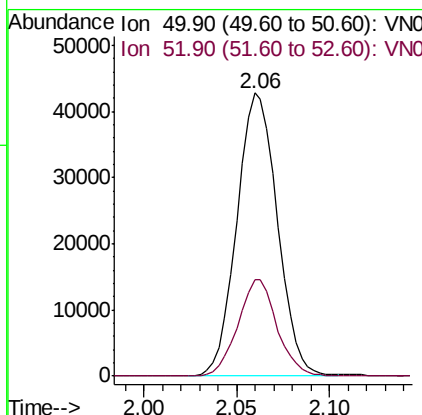
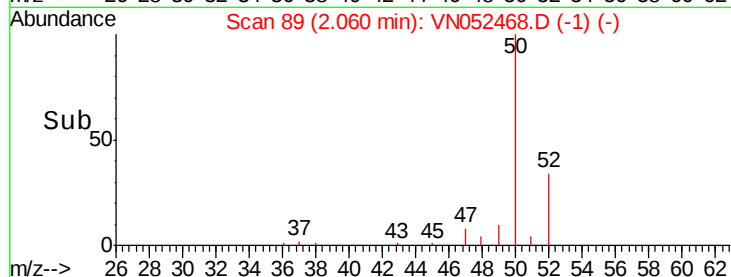
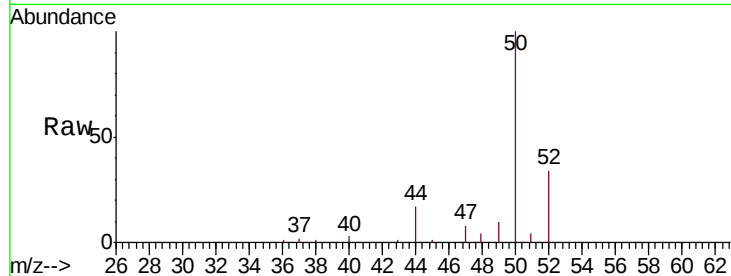




#3
Chloromethane
Concen: 5.068 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

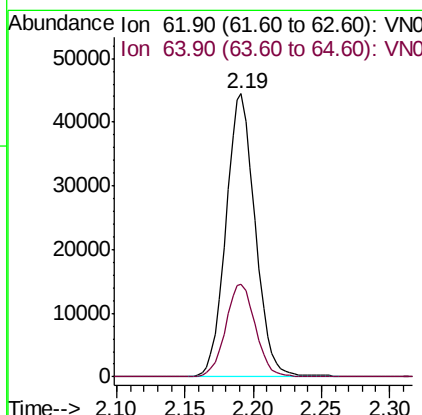
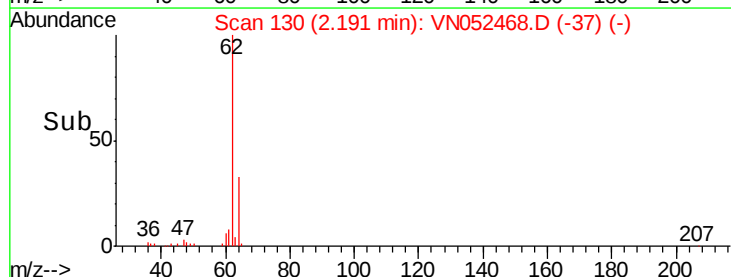
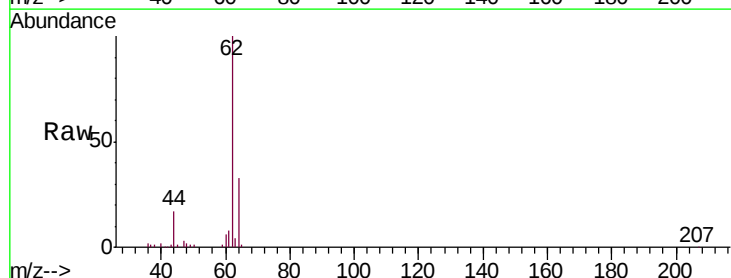
Instrument :
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ClientSampleId :
VSTDIC005

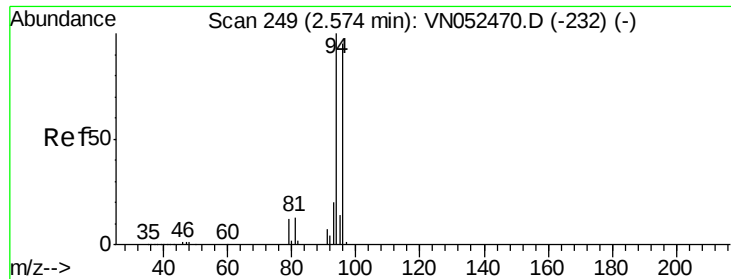
Tgt Ion: 50 Resp: 64959
Ion Ratio Lower Upper
50 100
52 33.9 25.9 38.9



#4
Vinyl Chloride
Concen: 5.024 ug/l
RT: 2.19 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 62 Resp: 66156
Ion Ratio Lower Upper
62 100
64 32.9 25.4 38.2





#5

Bromomethane

Concen: 5.465 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

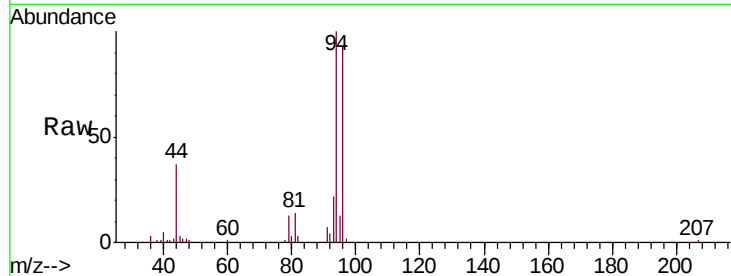
VSTDIC005

Tgt Ion: 94 Resp: 44898

Ion Ratio Lower Upper

94 100

96 92.7 75.8 113.8



Abundance Ion 93.90 (93.60 to 94.60): VN052470.D

Ion 95.90 (95.60 to 96.60): VN052468.D

2.57

25000

20000

15000

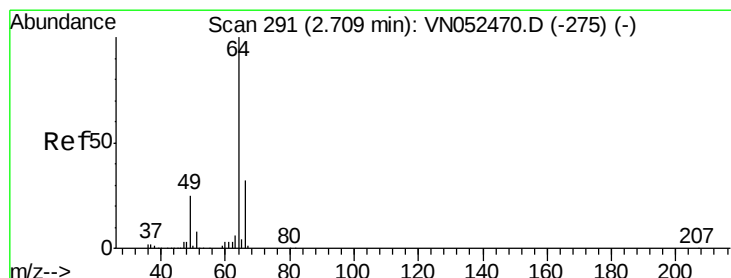
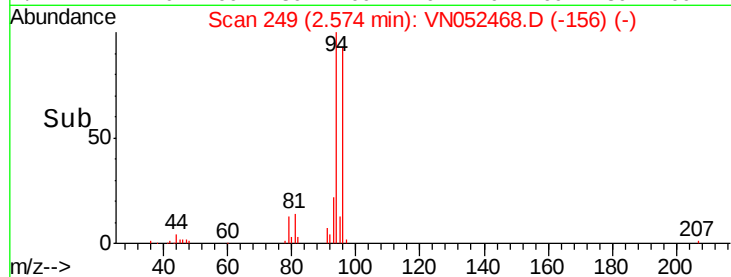
10000

5000

0

Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 5.189 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052468.D

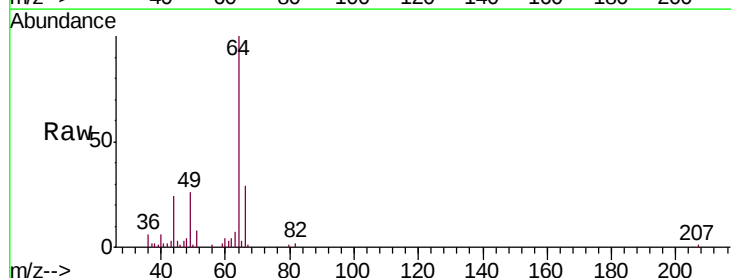
Acq: 27 Nov 2018 9:39

Tgt Ion: 64 Resp: 41390

Ion Ratio Lower Upper

64 100

66 28.5 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN052470.D

Ion 65.90 (65.60 to 66.60): VN052468.D

2.71

25000

20000

15000

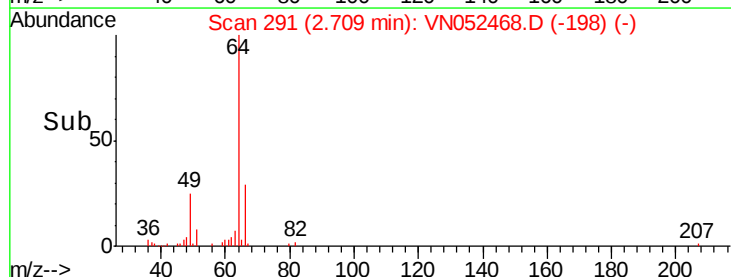
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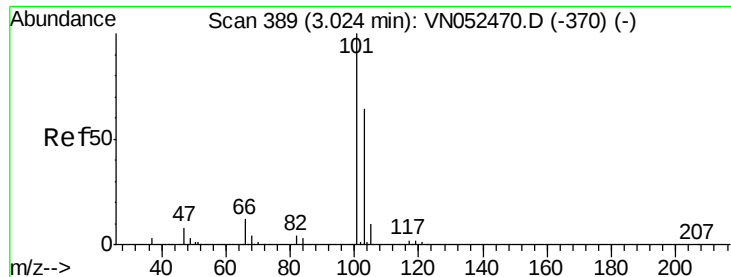
5000

0

Time-->

2.65 2.70 2.75 2.80





#7

Trichlorofluoromethane

Concen: 5.168 ug/l

RT: 3.02 min Scan# 389

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

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ClientSampleId :

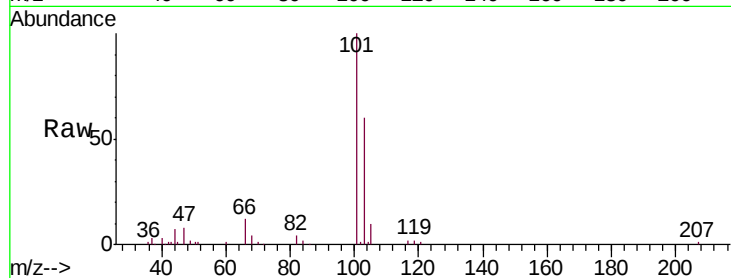
VSTDIC005

Tgt Ion:101 Resp: 83597

Ion Ratio Lower Upper

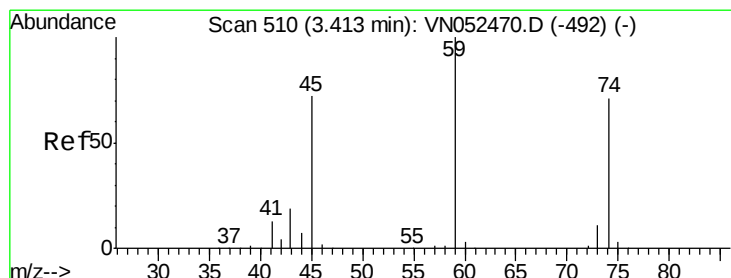
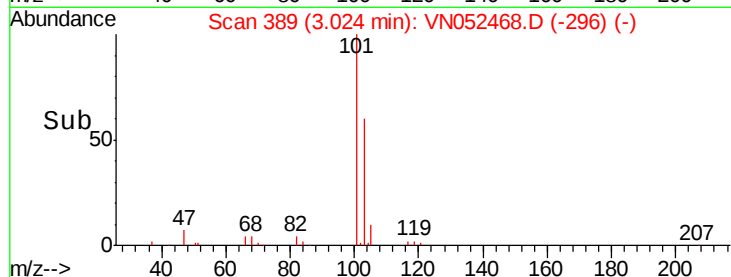
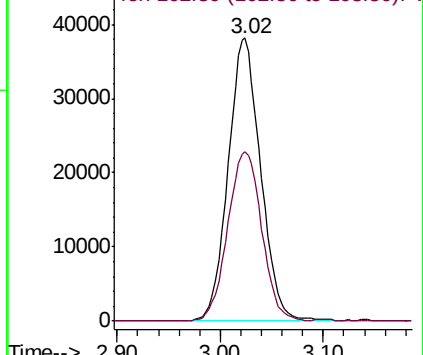
101 100

103 59.8 51.4 77.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.002 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN052468.D

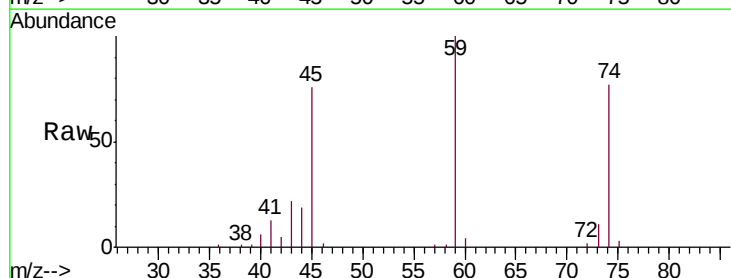
Acq: 27 Nov 2018 9:39

Tgt Ion: 74 Resp: 29876

Ion Ratio Lower Upper

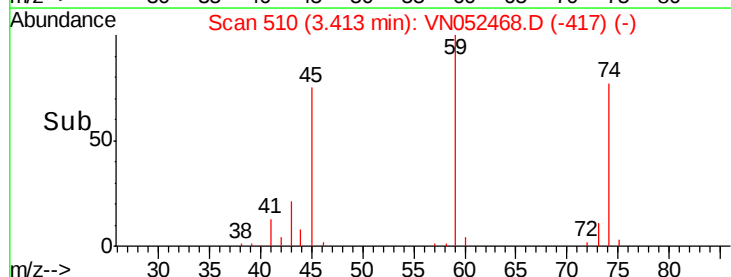
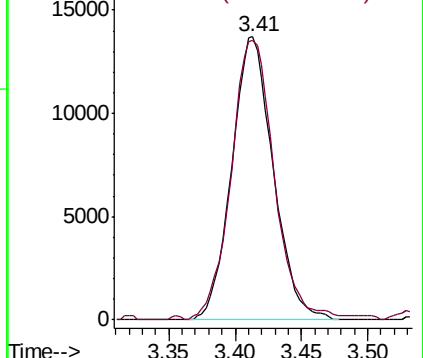
74 100

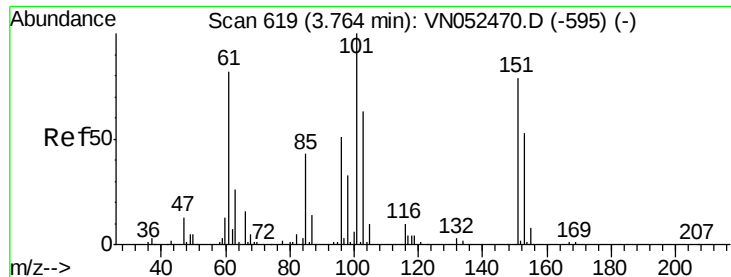
45 102.7 50.4 151.3



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.202 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

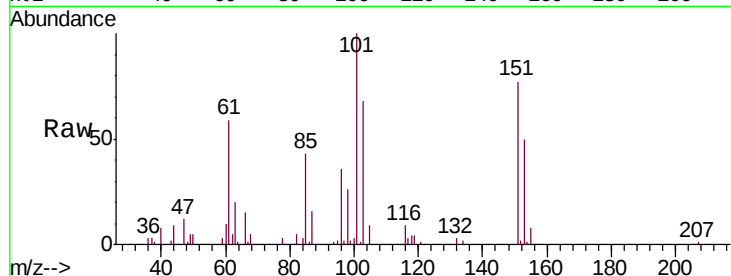
Tgt Ion:101 Resp: 52504

Ion Ratio Lower Upper

101 100

85 41.9 34.2 51.4

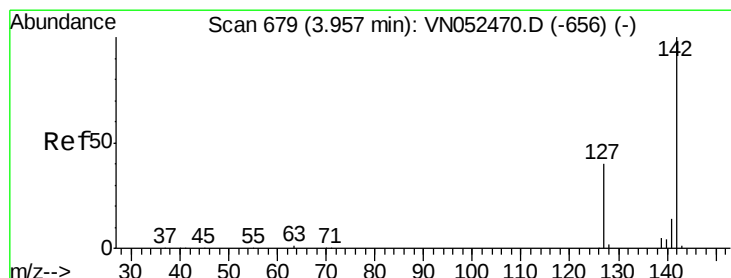
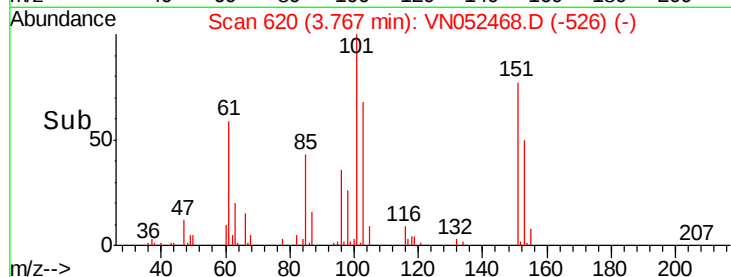
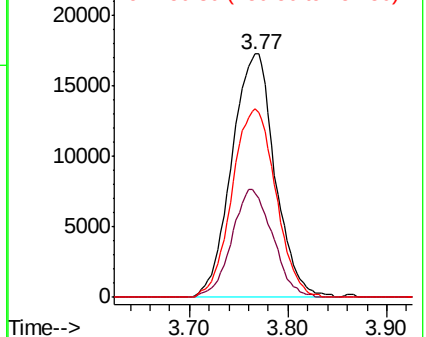
151 78.2 64.6 96.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.975 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

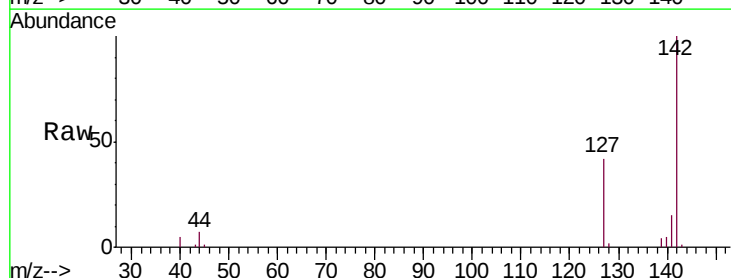
Tgt Ion:142 Resp: 53431

Ion Ratio Lower Upper

142 100

127 40.6 31.8 47.6

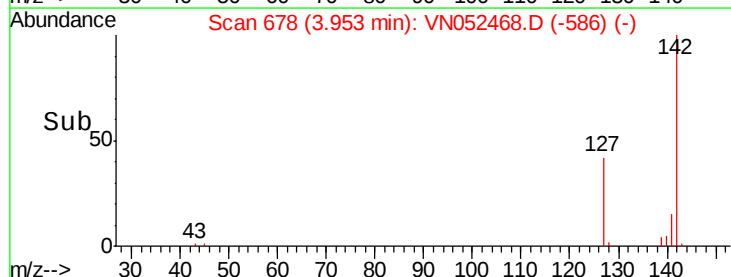
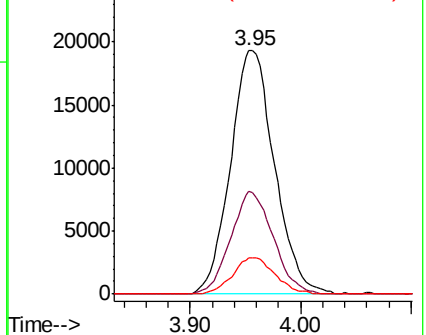
141 14.4 11.4 17.0

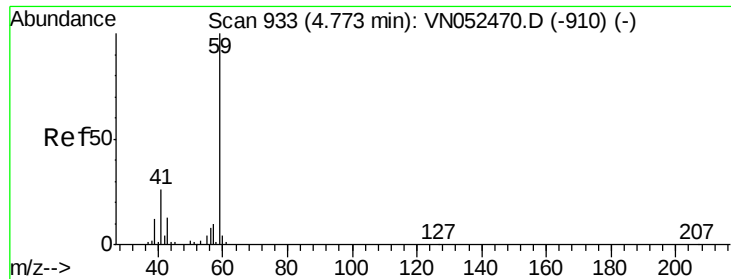


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

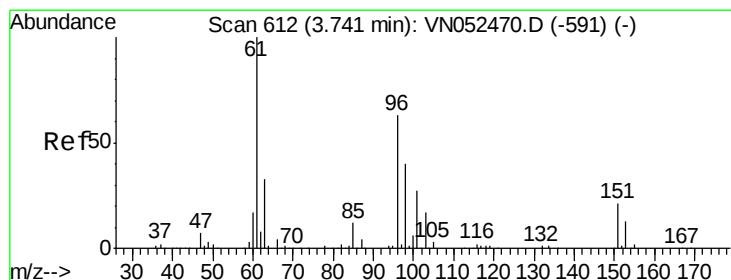
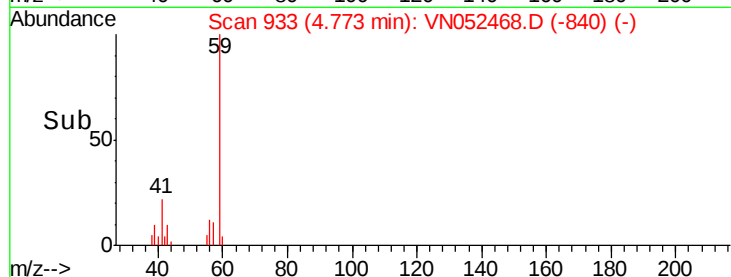
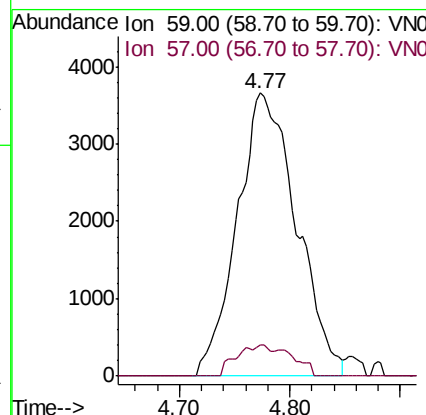
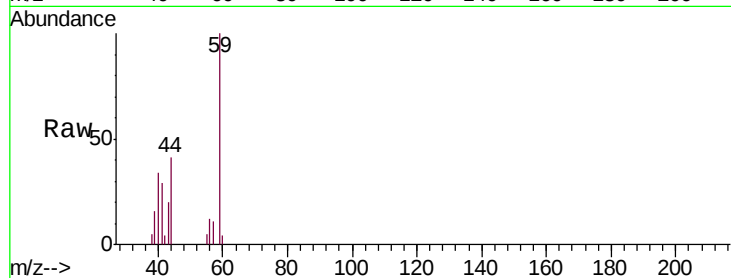




#11
Tert butyl alcohol
Concen: 24.080 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

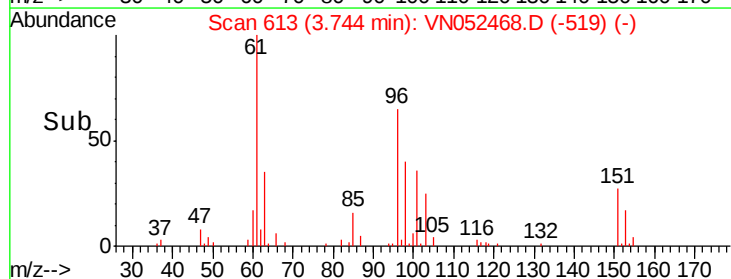
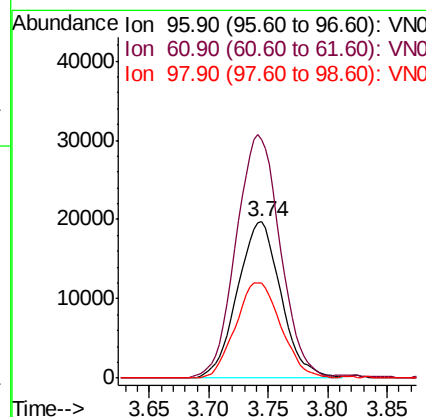
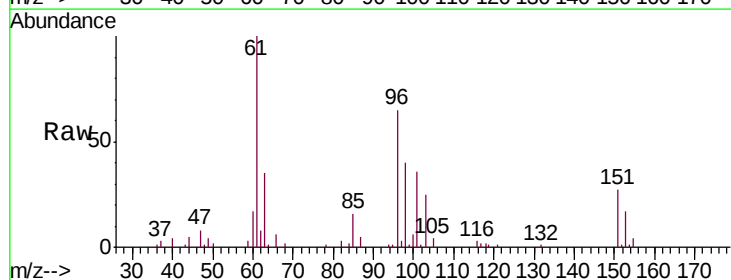
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

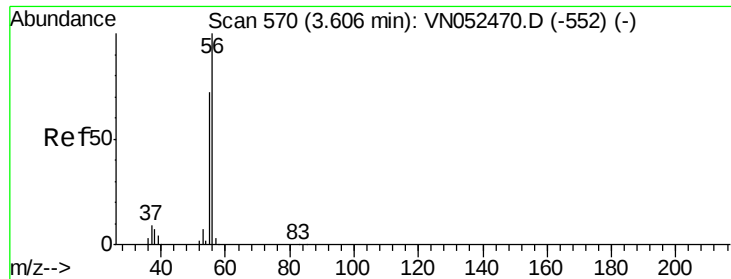
Tgt Ion: 59 Resp: 13613
Ion Ratio Lower Upper
59 100
57 6.7 7.9 11.9#



#12
1,1-Dichloroethene
Concen: 5.149 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 96 Resp: 50027
Ion Ratio Lower Upper
96 100
61 151.7 127.0 190.6
98 60.6 50.3 75.5





#13

Acrolein

Concen: 26.200 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

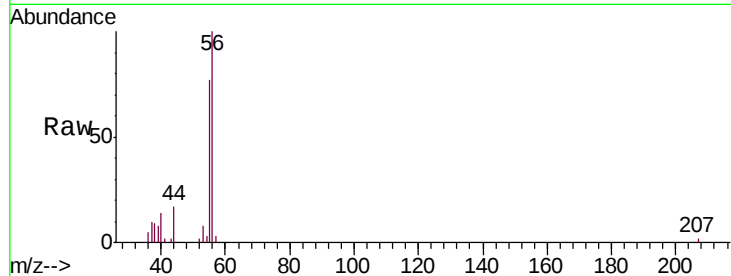
VSTDIC005

Tgt Ion: 56 Resp: 23301

Ion Ratio Lower Upper

56 100

55 69.7 56.8 85.2

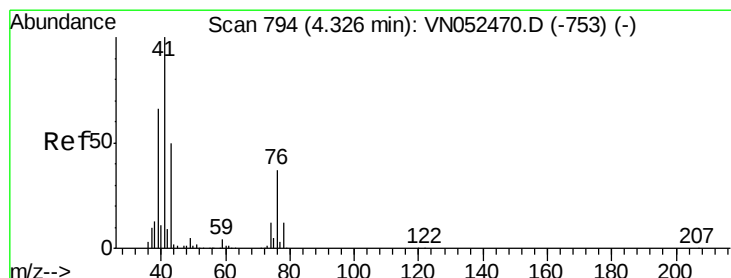
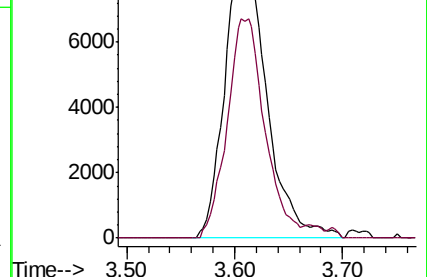
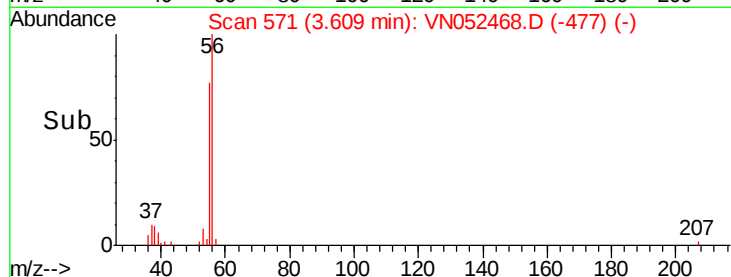


Abundance Ion 56.00 (55.70 to 56.70): VN052470.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052470.D (-552) (-)

3.61

Time-->



#14

Allyl chloride

Concen: 4.951 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

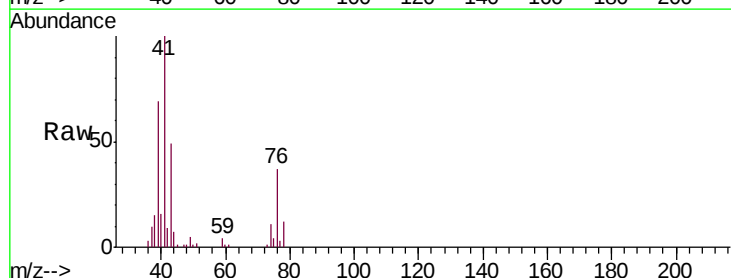
Tgt Ion: 41 Resp: 82909

Ion Ratio Lower Upper

41 100

39 64.7 50.6 76.0

76 34.3 27.4 41.2



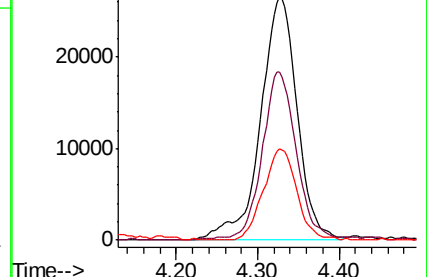
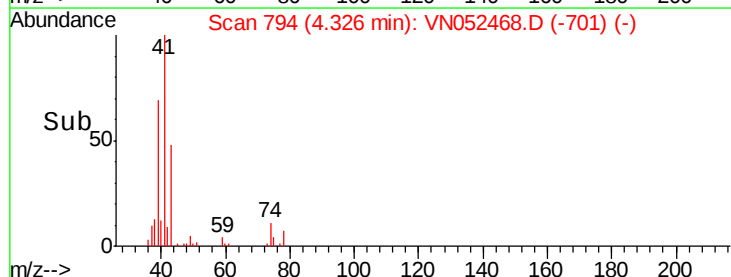
Abundance Ion 41.00 (40.70 to 41.70): VN052470.D (-753) (-)

Ion 39.00 (38.70 to 39.70): VN052470.D (-753) (-)

Ion 75.90 (75.60 to 76.60): VN052470.D (-753) (-)

4.33

Time-->





#15

Acrylonitrile

Concen: 24.282 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

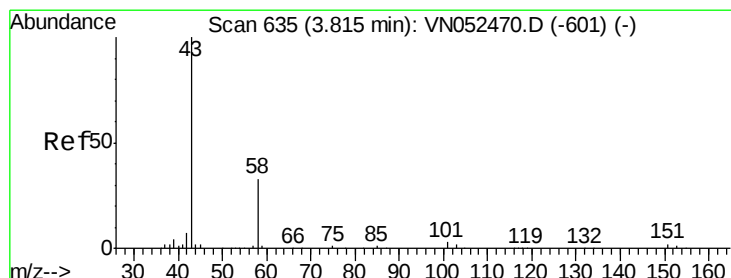
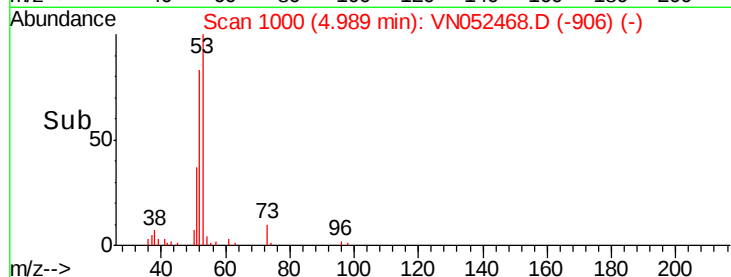
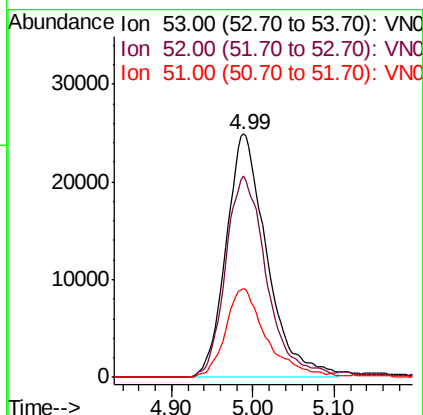
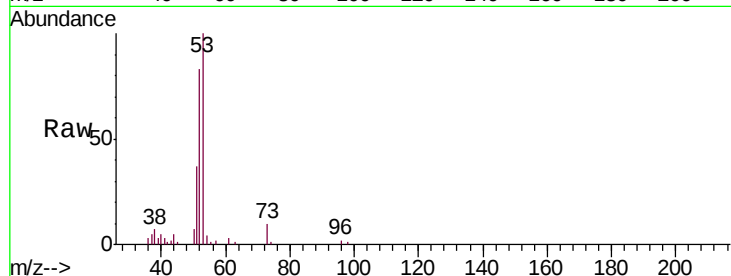
Tgt Ion: 53 Resp: 86898

Ion Ratio Lower Upper

53 100

52 83.2 66.2 99.2

51 36.4 28.1 42.1



#16

Acetone

Concen: 24.532 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052468.D

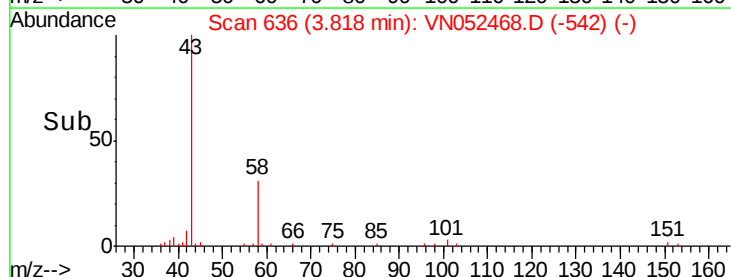
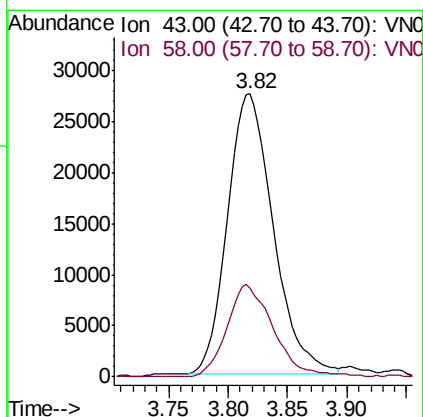
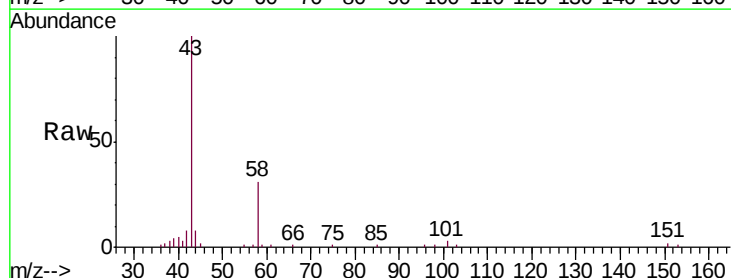
Acq: 27 Nov 2018 9:39

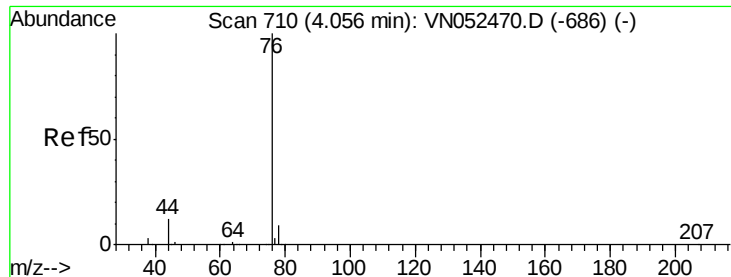
Tgt Ion: 43 Resp: 73070

Ion Ratio Lower Upper

43 100

58 31.7 26.0 39.0

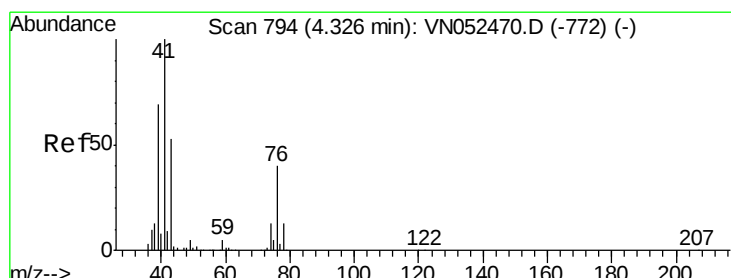
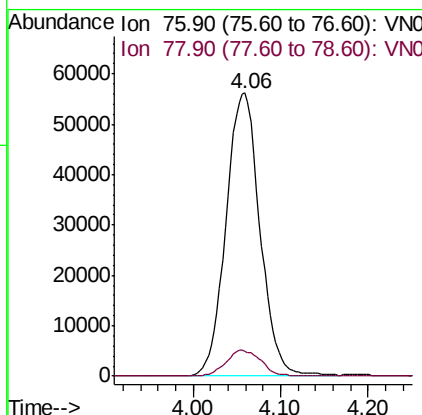
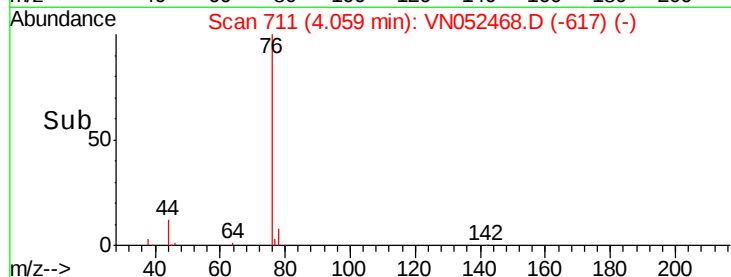
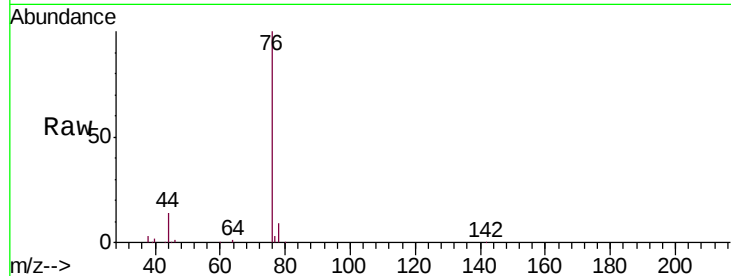




#17
Carbon Disulfide
Concen: 4.949 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

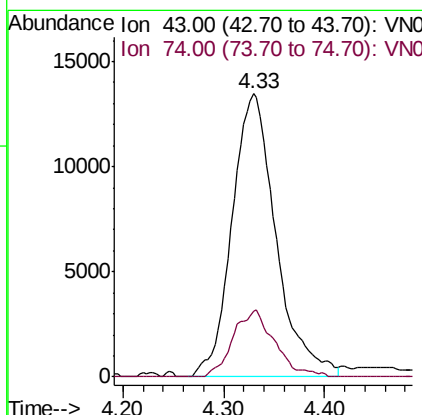
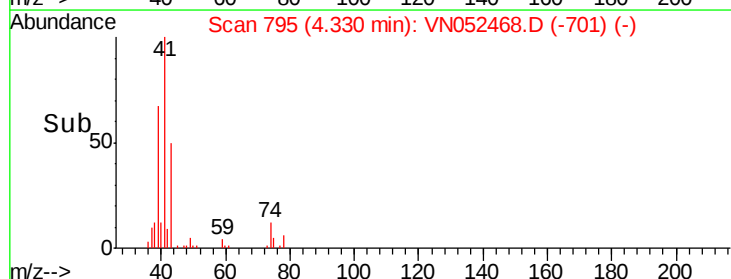
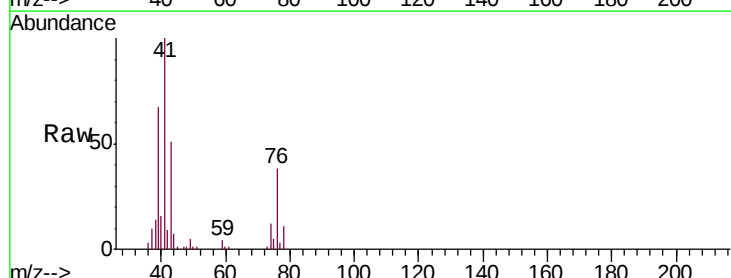
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

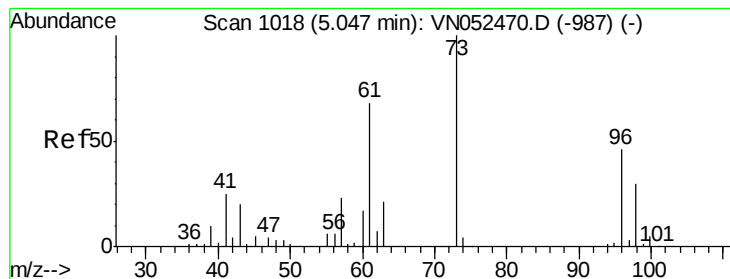
Tgt Ion: 76 Resp: 151300
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.0



#18
Methyl Acetate
Concen: 4.781 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 43 Resp: 40849
Ion Ratio Lower Upper
43 100
74 22.3 18.6 27.8





#19

Methyl tert-butyl Ether

Concen: 4.866 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

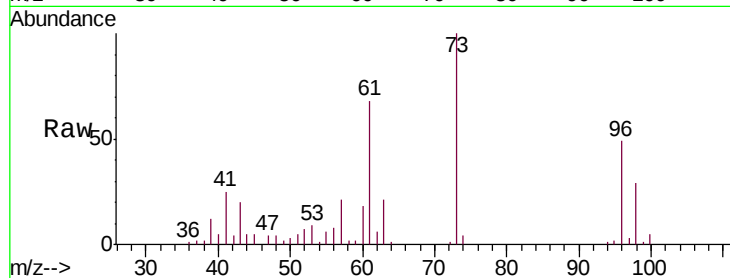
VSTDIC005

Tgt Ion: 73 Resp: 125776

Ion Ratio Lower Upper

73 100

57 21.4 18.2 27.2



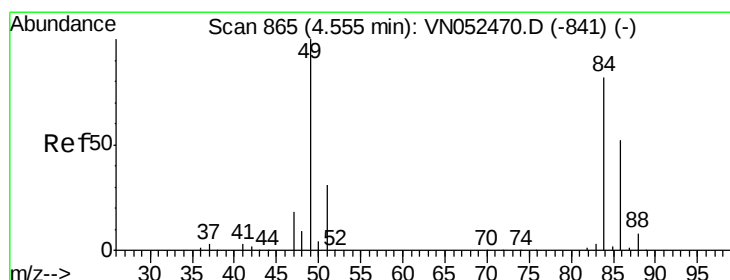
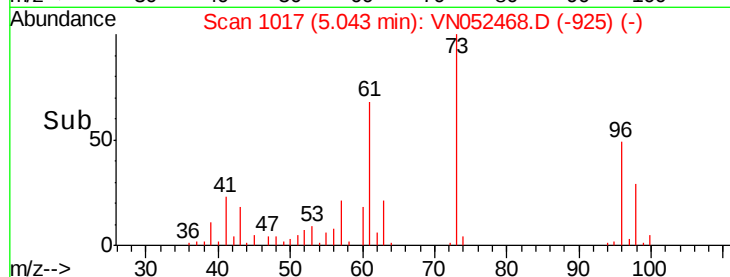
Abundance Ion 73.00 (72.70 to 73.70): VN052470.D (-987) (-)

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

Time-->

5.04

4.90 5.00 5.10



#20

Methylene Chloride

Concen: 5.061 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Tgt Ion: 84 Resp: 58993

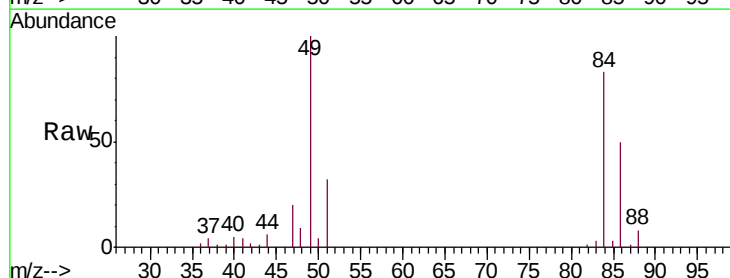
Ion Ratio Lower Upper

84 100

49 120.3 98.0 147.0

51 38.7 30.1 45.1

86 59.6 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) (-)

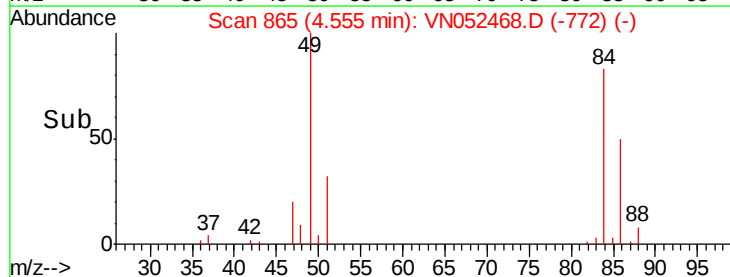
Ion 50.90 (50.60 to 51.60): VN052470.D (-841) (-)

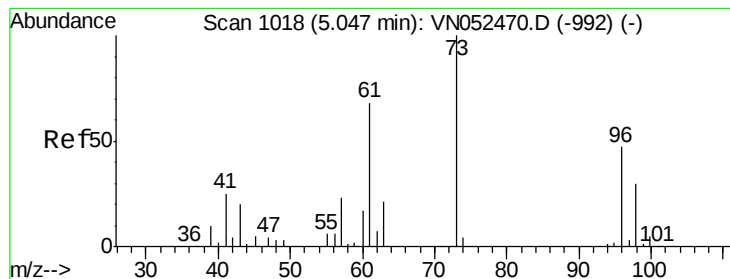
Ion 85.90 (85.60 to 86.60): VN052470.D (-841) (-)

Time-->

4.55

4.50 4.60 4.70





#21

trans-1,2-Dichloroethene

Concen: 5.142 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

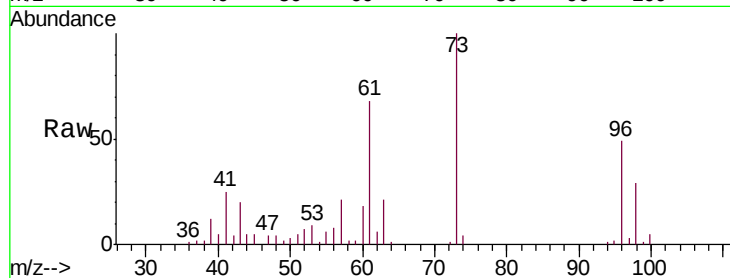
Tgt Ion: 96 Resp: 53356

Ion Ratio Lower Upper

96 100

61 138.9 117.0 175.4

98 59.5 51.8 77.6

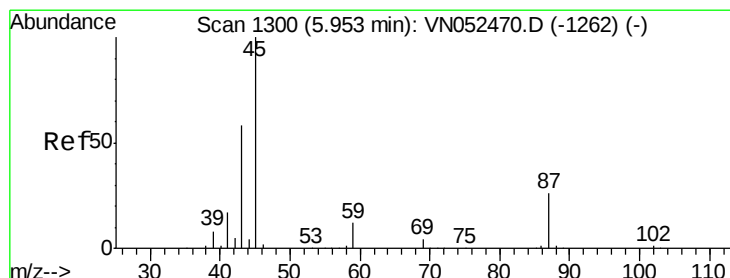
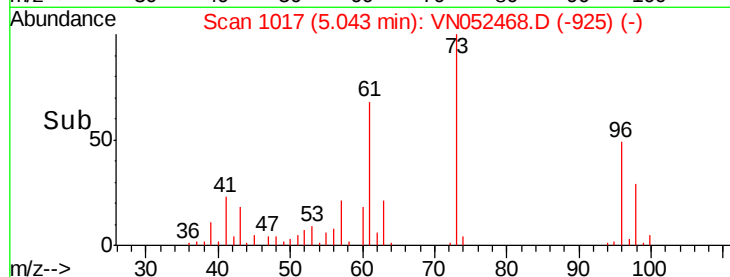
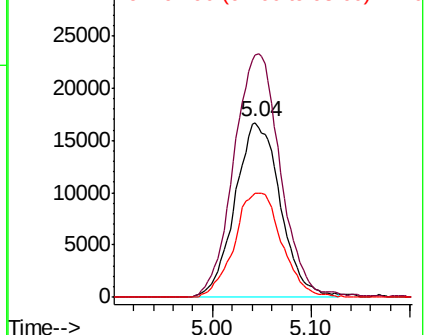


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 4.944 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Tgt Ion: 45 Resp: 173877

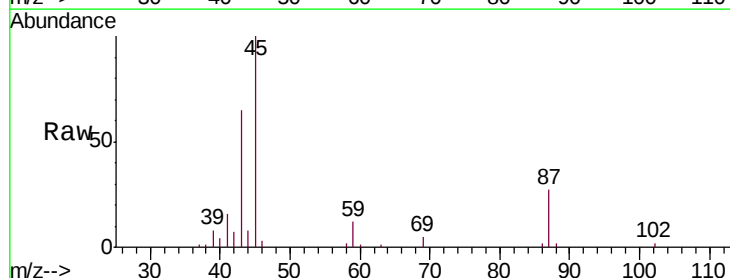
Ion Ratio Lower Upper

45 100

43 62.5 46.1 69.1

87 26.7 21.3 31.9

59 11.8 9.5 14.3



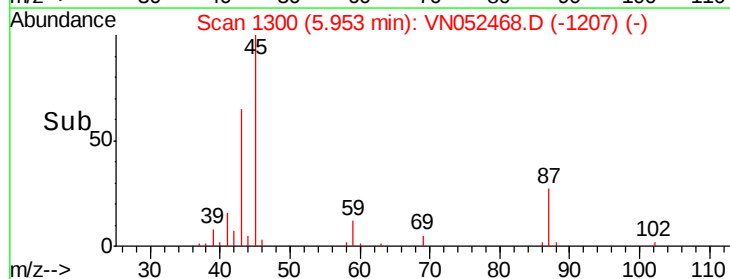
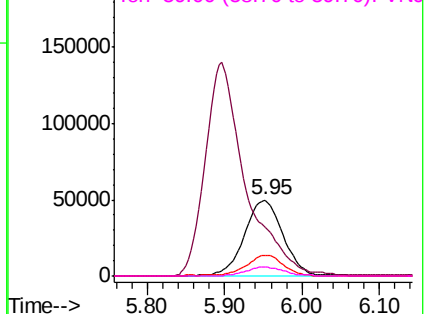
Abundance

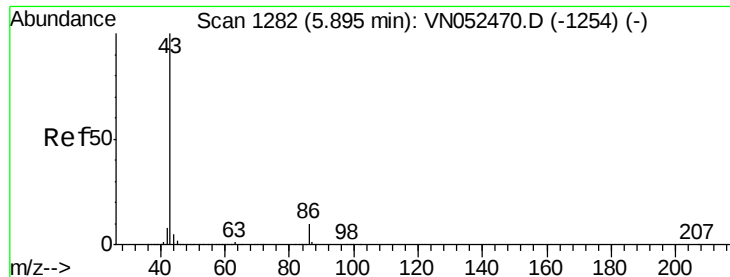
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO

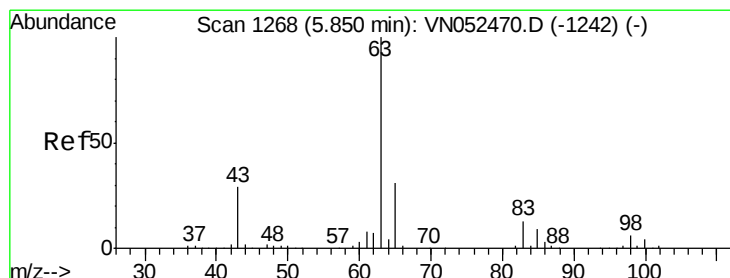
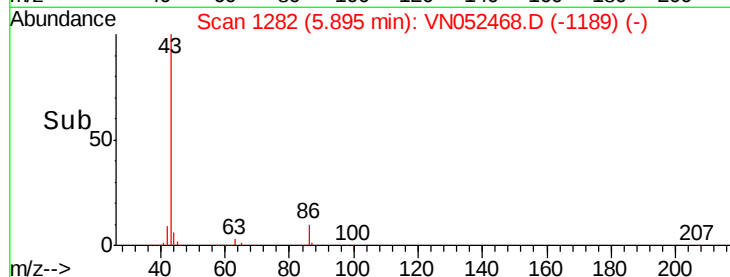
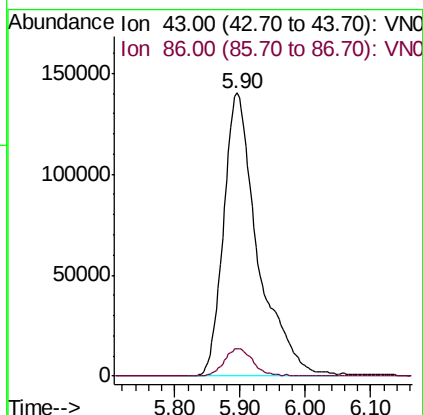
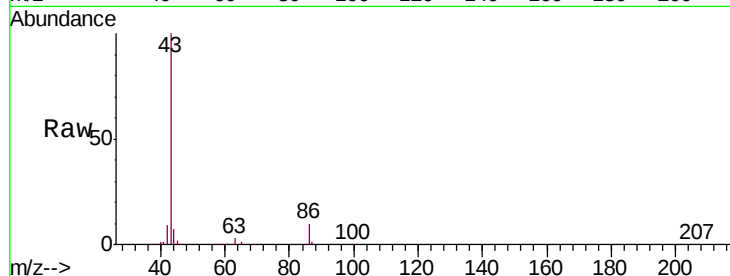




#23
 Vinyl Acetate
 Concen: 23.321 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

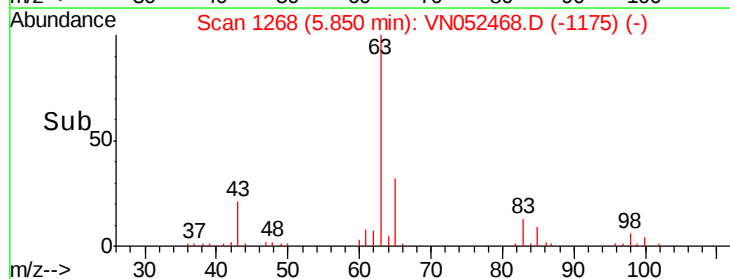
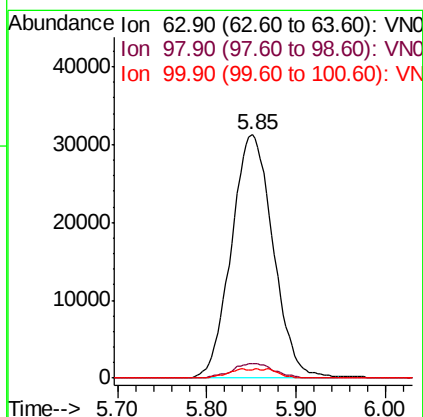
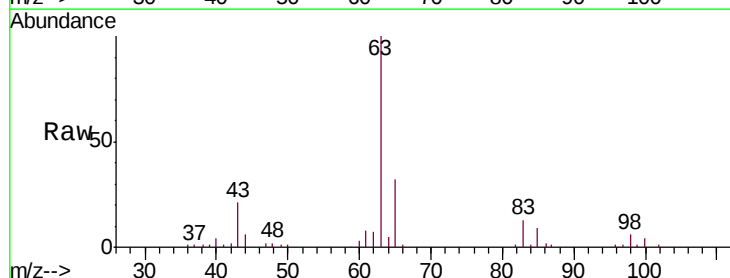
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion: 43 Resp: 510900
 Ion Ratio Lower Upper
 43 100
 86 9.9 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 5.052 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion: 63 Resp: 101455
 Ion Ratio Lower Upper
 63 100
 98 5.9 3.0 9.2
 100 3.5 2.0 5.8

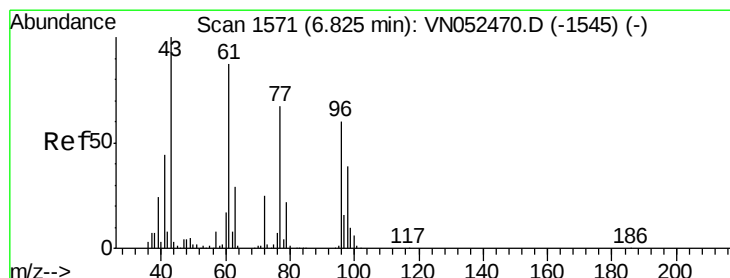
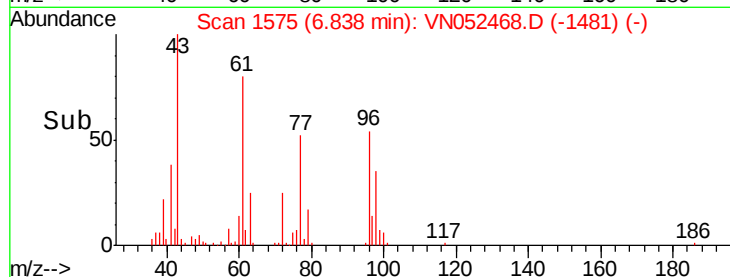
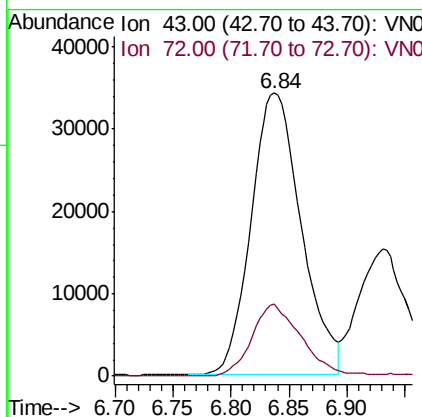
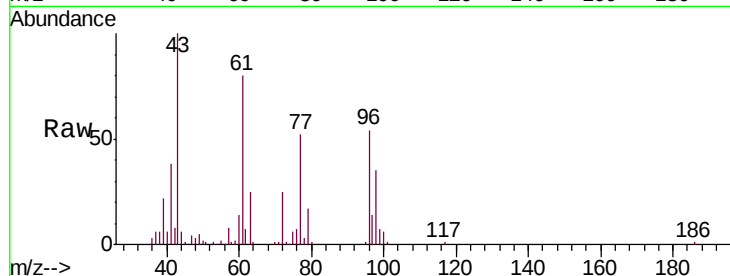




#25
2-Butanone
Concen: 24.489 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

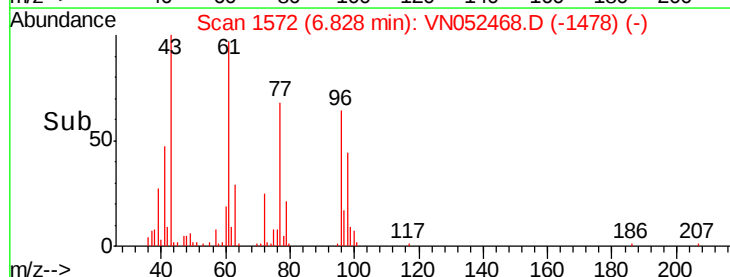
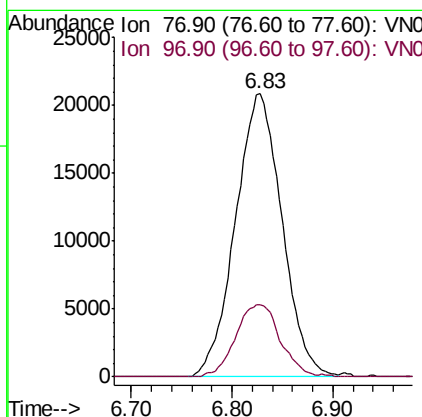
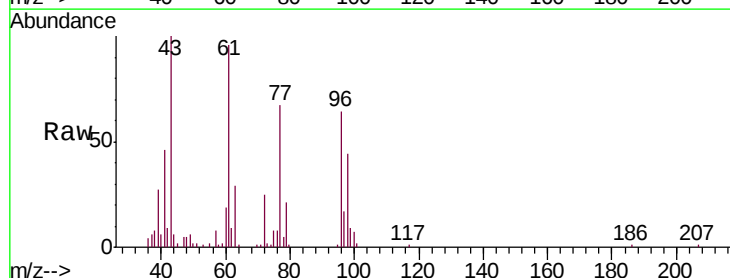
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 103386
Ion Ratio Lower Upper
43 100
72 25.4 20.1 30.1



#26
2,2-Dichloropropane
Concen: 4.808 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 77 Resp: 66834
Ion Ratio Lower Upper
77 100
97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 4.920 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

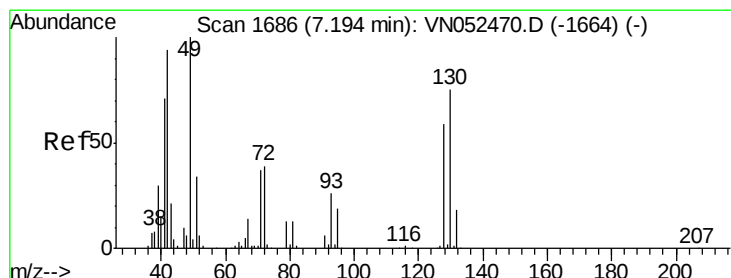
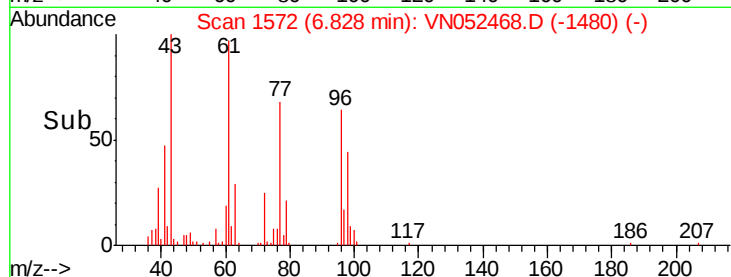
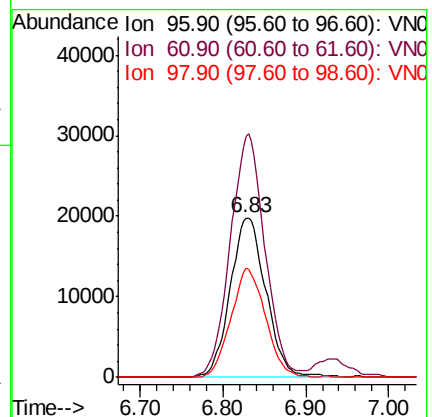
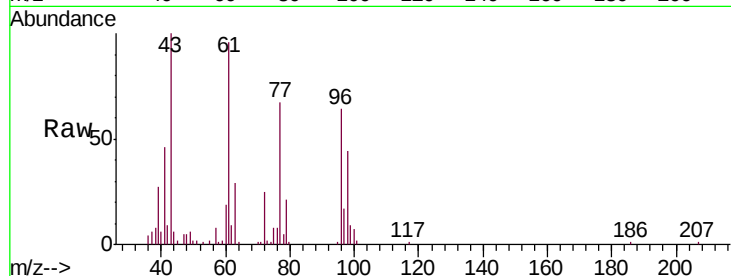
Tgt Ion: 96 Resp: 59465

Ion Ratio Lower Upper

96 100

61 147.0 0.0 291.0

98 65.9 0.0 130.0



#28

Bromochloromethane

Concen: 5.018 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

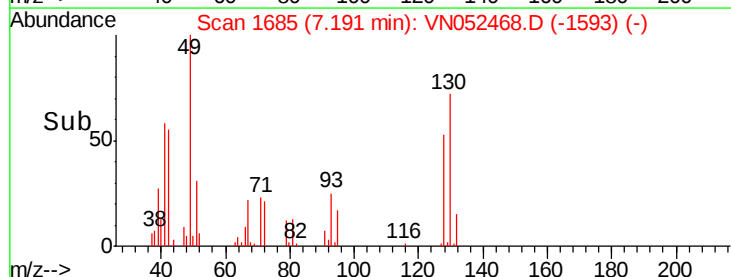
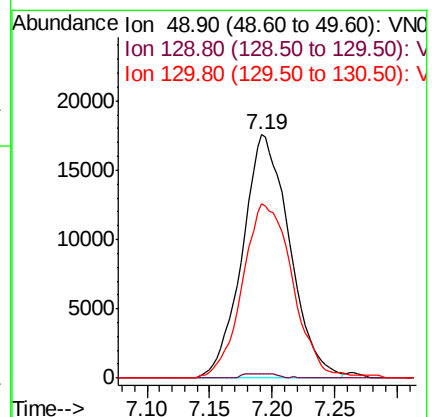
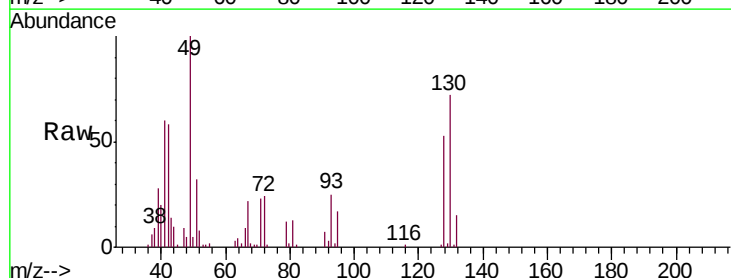
Tgt Ion: 49 Resp: 46024

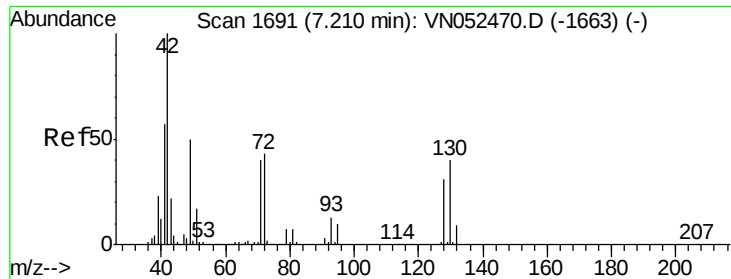
Ion Ratio Lower Upper

49 100

129 0.8 0.0 3.8

130 76.3 60.2 90.2

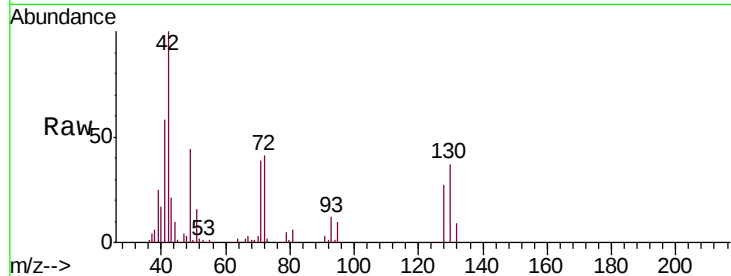




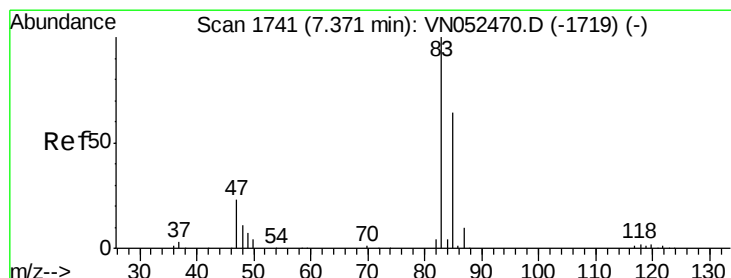
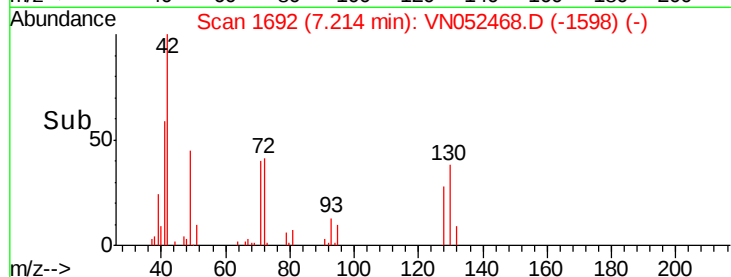
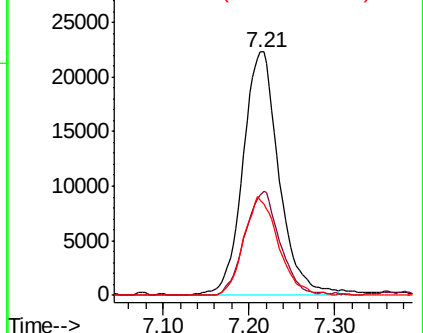
#29
Tetrahydrofuran
Concen: 23.943 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion: 42 Resp: 65197
Ion Ratio Lower Upper
42 100
72 41.3 33.3 49.9
71 38.5 32.0 48.0

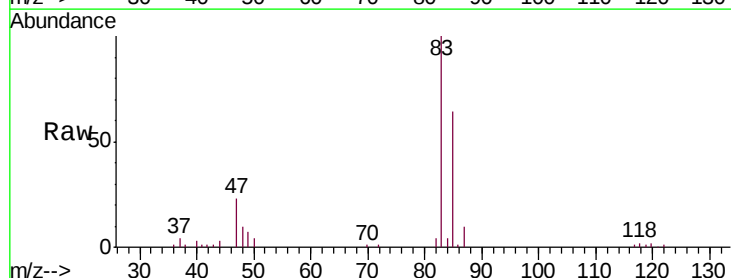


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

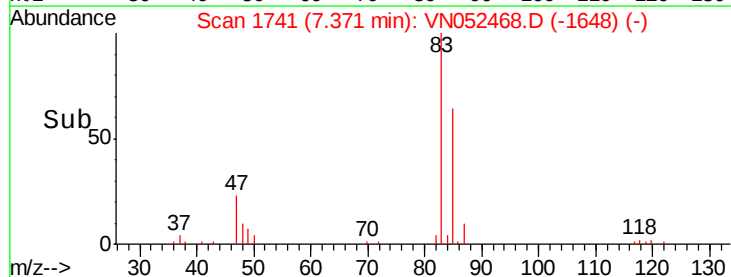
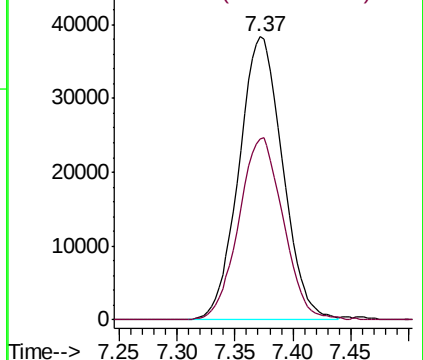


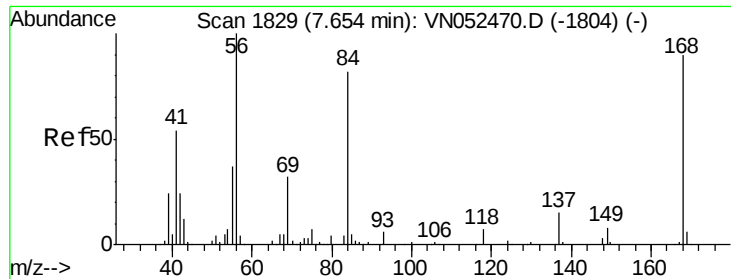
#30
Chloroform
Concen: 5.026 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 83 Resp: 100704
Ion Ratio Lower Upper
83 100
85 64.2 51.0 76.4



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

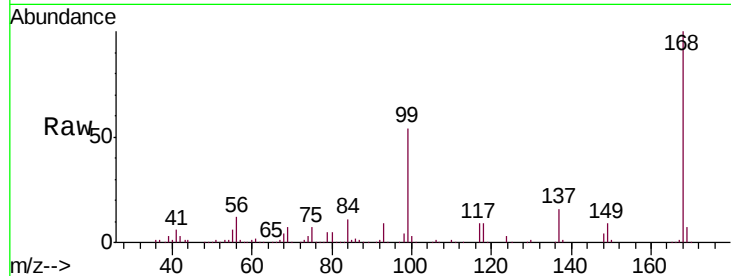




#31
Cyclohexane
Concen: 4.908 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
56	100		
69	54.5	25.8	38.6#
84	89.0	65.3	97.9

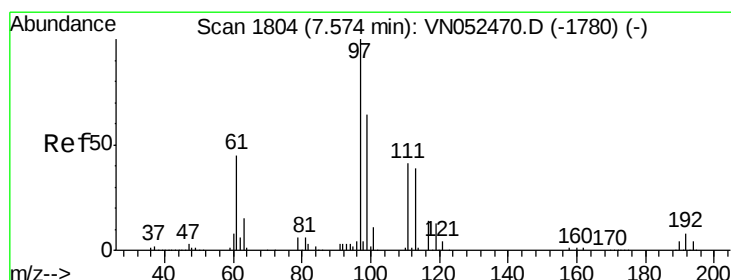
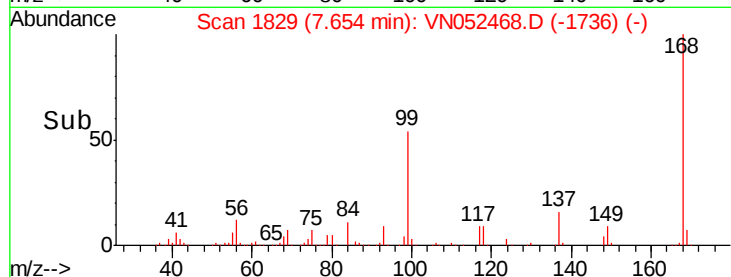
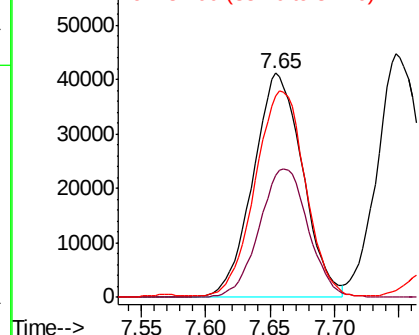


Abundance

Ion 56.00 (55.70 to 56.70): VN0

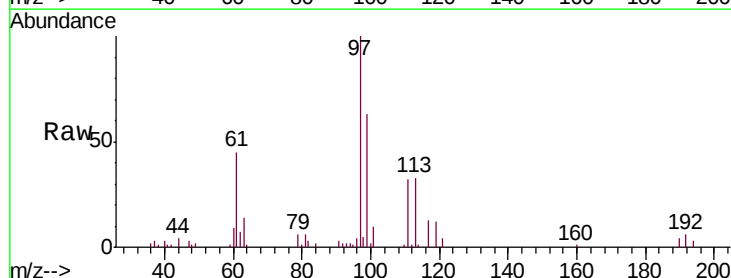
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 4.941 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.7	77.5
61	46.2	36.8	55.2

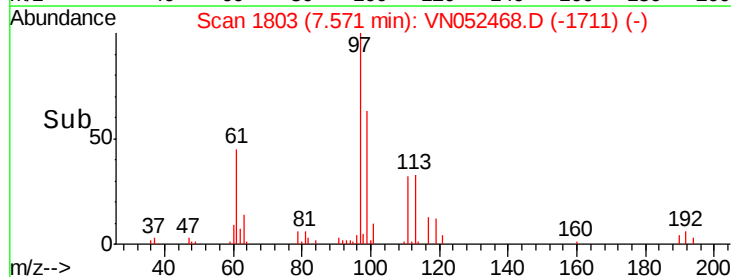
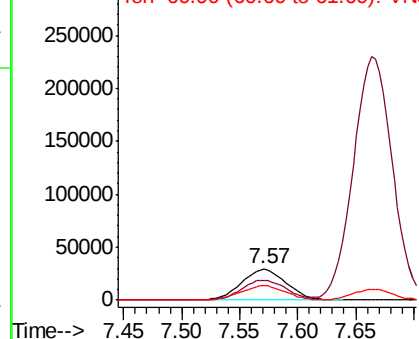


Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

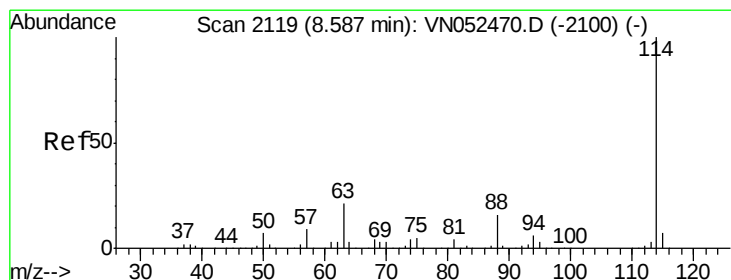
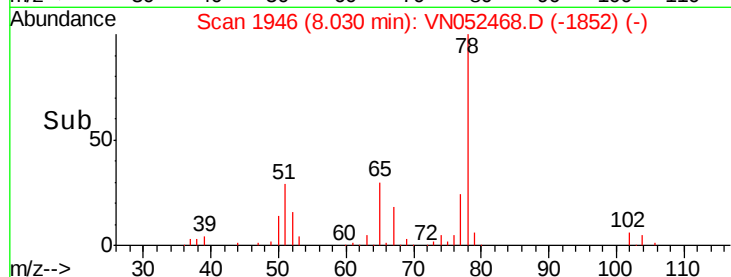
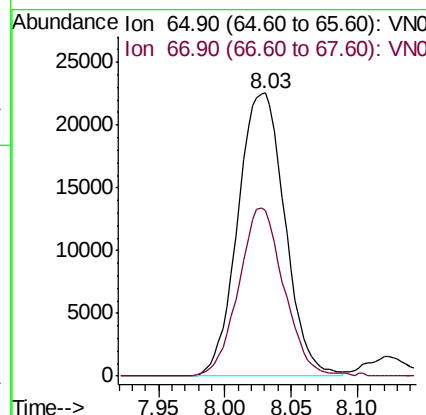
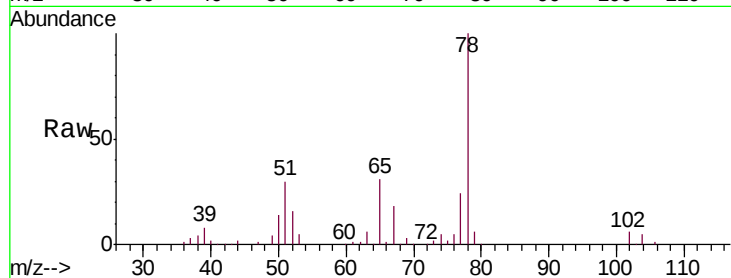




#33
 1,2-Dichloroethane-d4
 Concen: 4.941 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

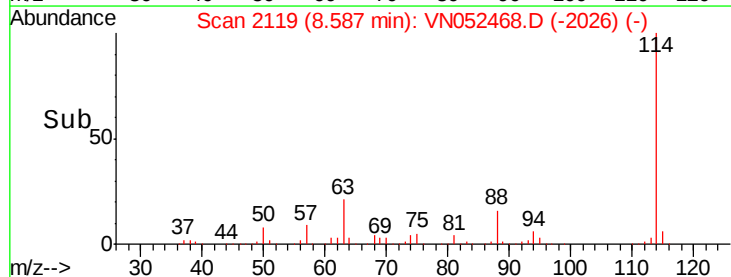
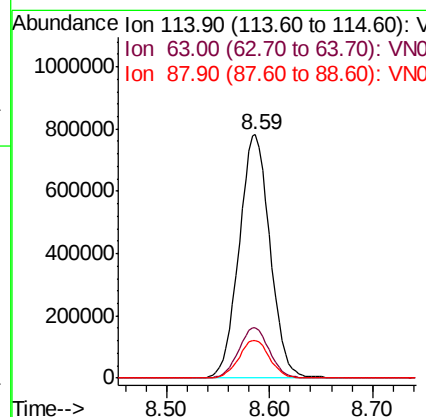
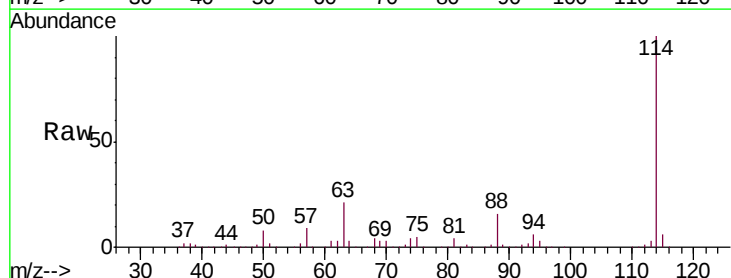
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

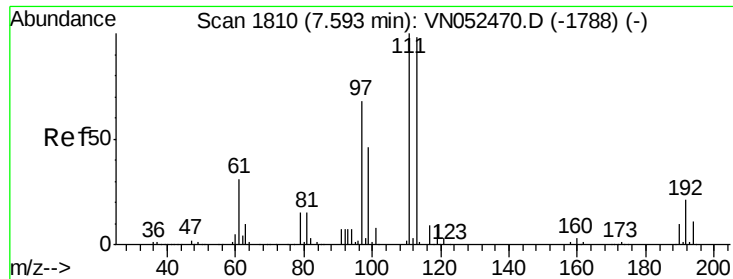
Tgt Ion: 65 Resp: 55603
 Ion Ratio Lower Upper
 65 100
 67 56.8 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion: 114 Resp: 1628884
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.8
 88 15.6 0.0 31.6

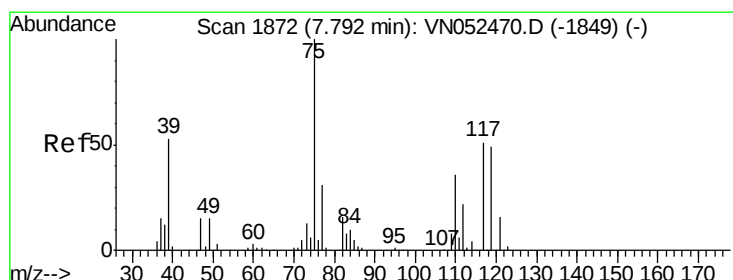
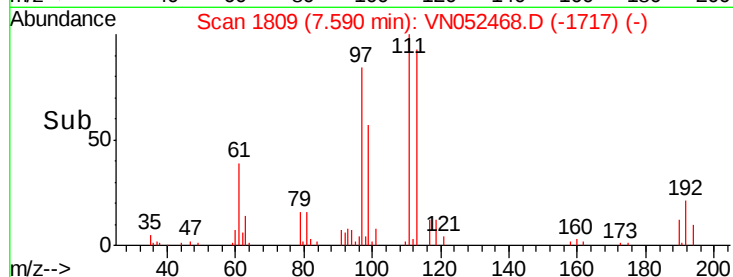
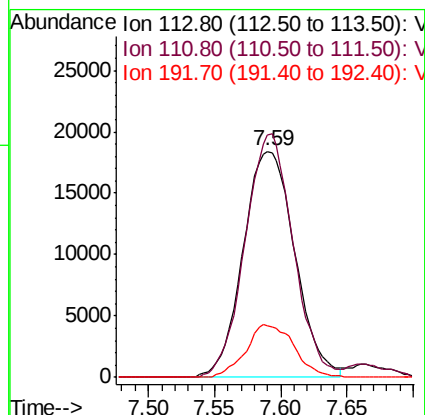
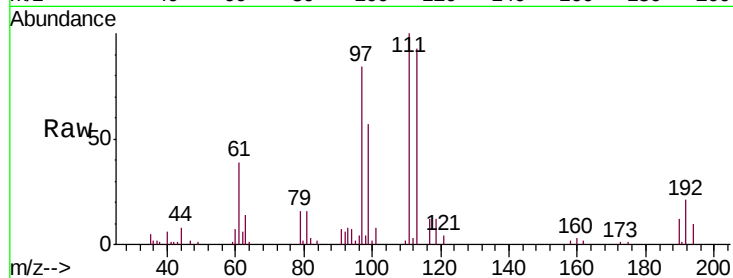




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

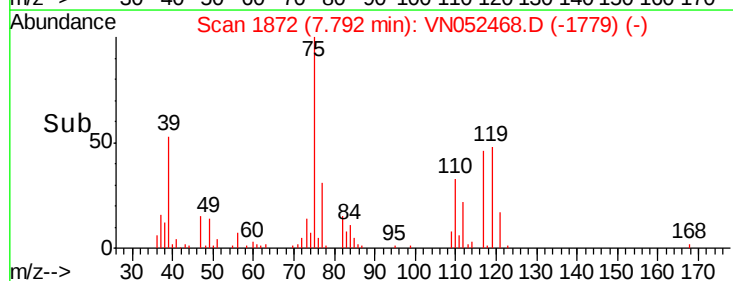
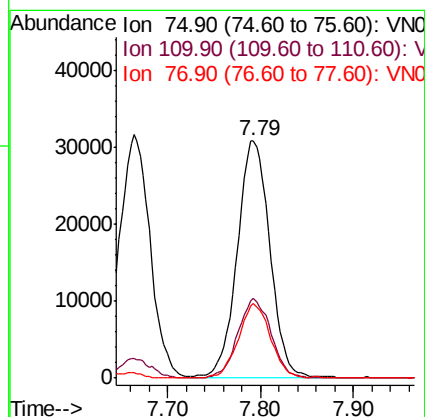
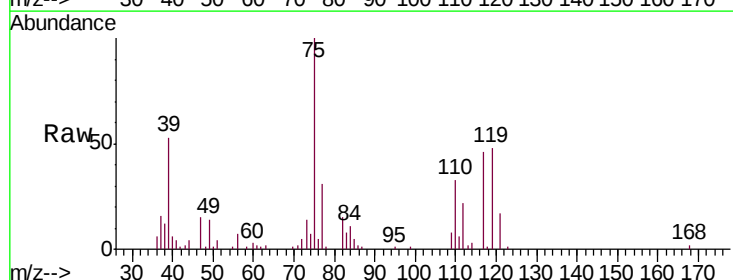
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

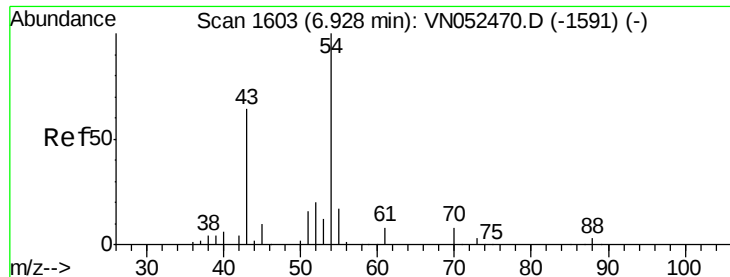
Tgt Ion:113 Resp: 49915
 Ion Ratio Lower Upper
 113 100
 111 100.1 82.0 123.0
 192 21.7 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 4.934 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion: 75 Resp: 75897
 Ion Ratio Lower Upper
 75 100
 110 33.7 17.5 52.6
 77 30.6 24.5 36.7

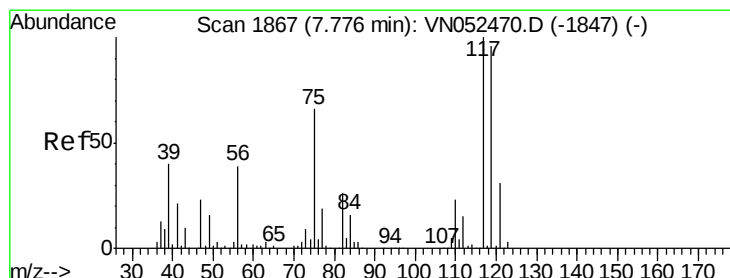
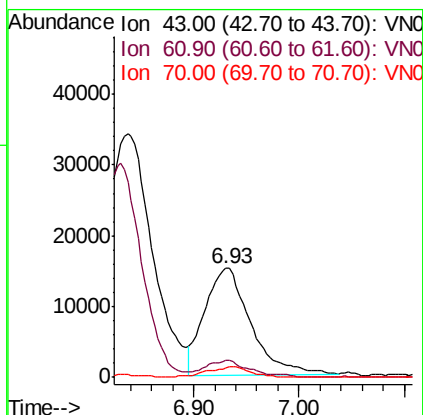
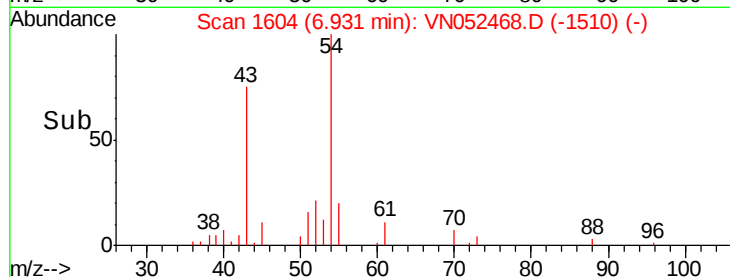
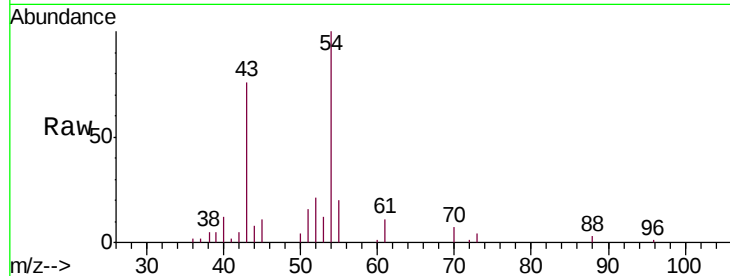




#37
Ethyl Acetate
Concen: 4.832 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

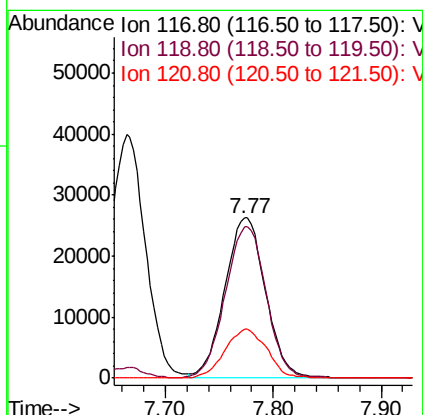
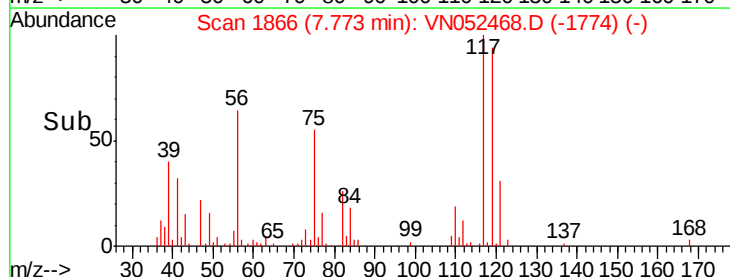
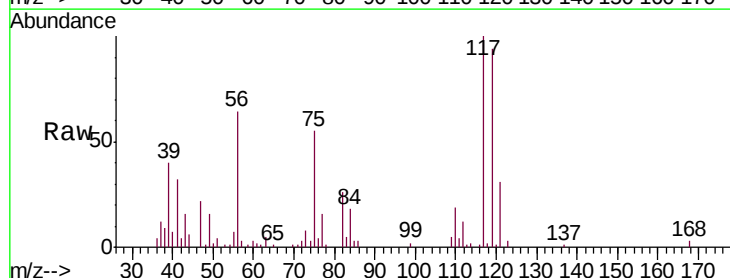
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

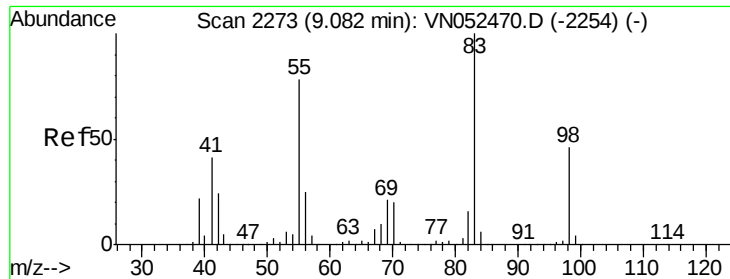
Tgt Ion: 43 Resp: 45362
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.8
70 9.1 7.8 11.8



#38
Carbon Tetrachloride
Concen: 4.963 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 117 Resp: 69109
Ion Ratio Lower Upper
117 100
119 94.3 76.8 115.2
121 30.6 24.9 37.3

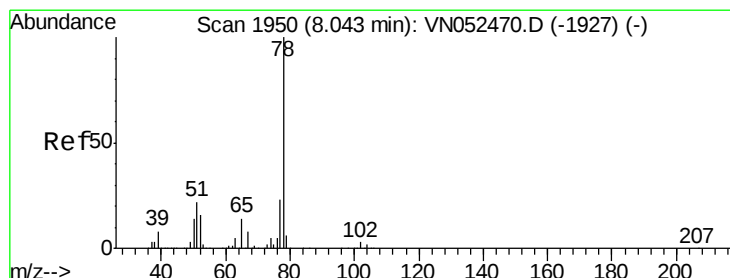
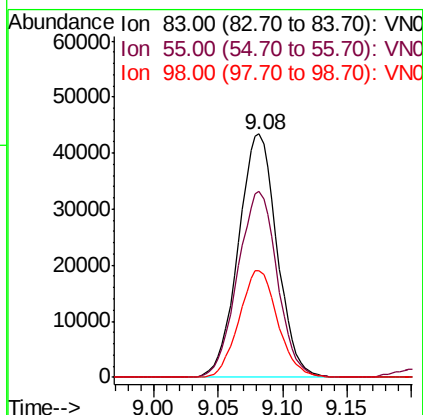
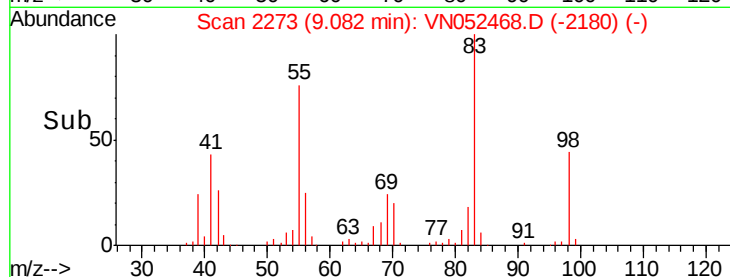
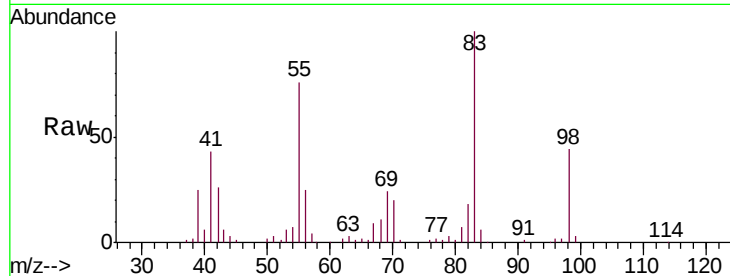




#39
Methylcyclohexane
Concen: 4.838 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

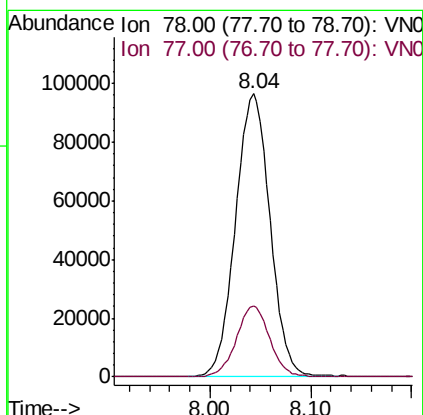
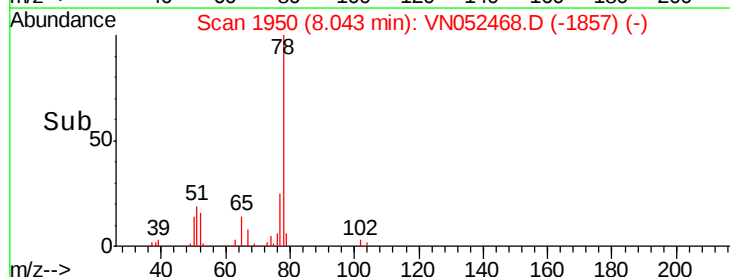
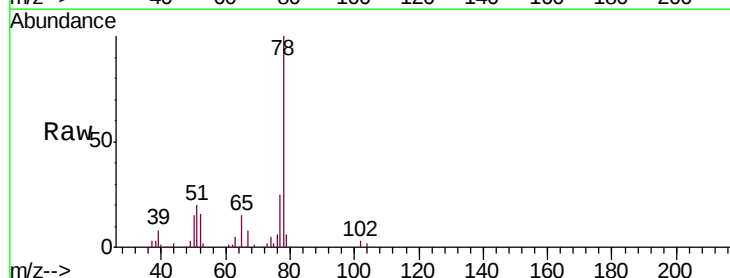
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

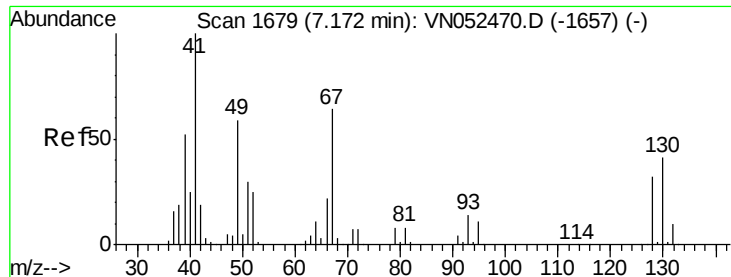
Tgt Ion: 83 Resp: 90461
Ion Ratio Lower Upper
83 100
55 76.3 62.2 93.2
98 44.0 36.4 54.6



#40
Benzene
Concen: 5.007 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 78 Resp: 229515
Ion Ratio Lower Upper
78 100
77 25.1 18.8 28.2

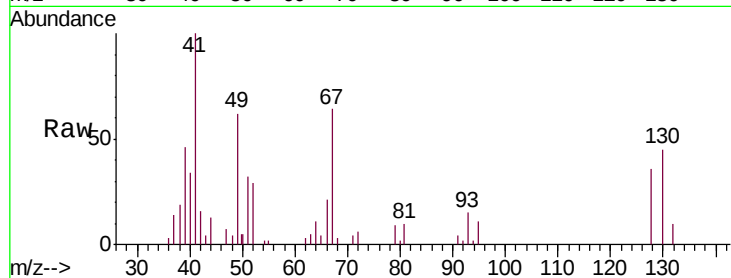




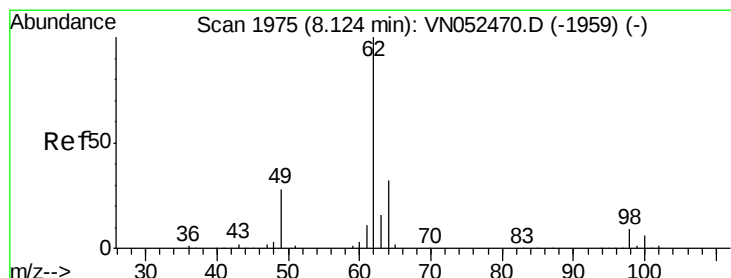
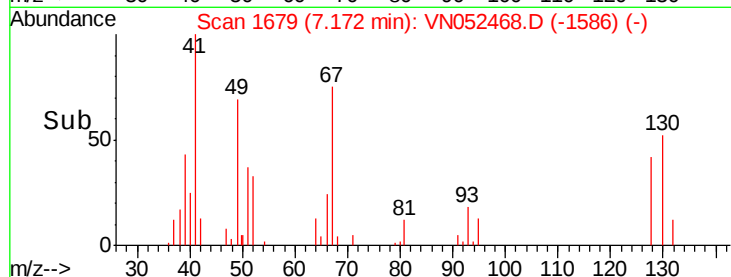
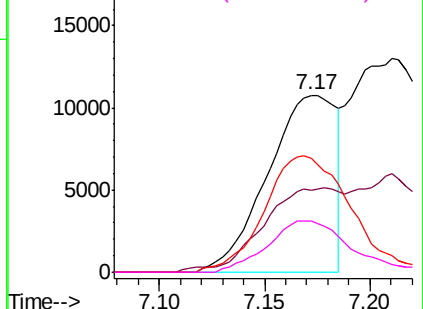
#41
Methacrylonitrile
Concen: 4.732 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tgt Ion:	41	Resp:	24288
Ion	Ratio	Lower	Upper
41	100		
39	54.7	50.9	76.3
67	82.8	63.6	95.4
52	35.4	24.4	36.6

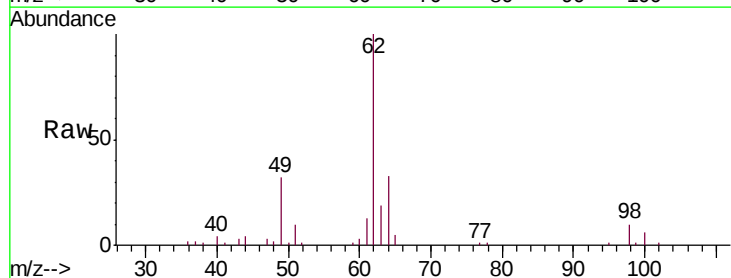


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

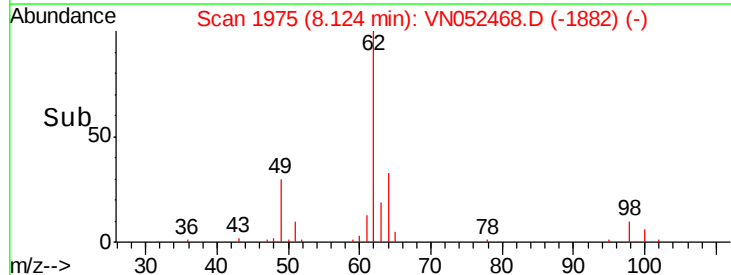
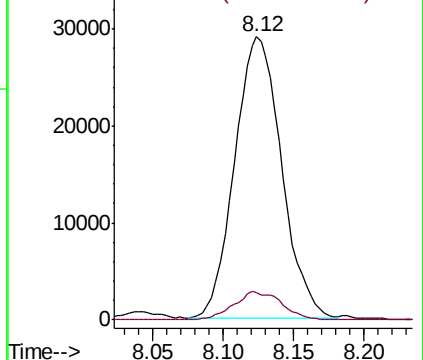


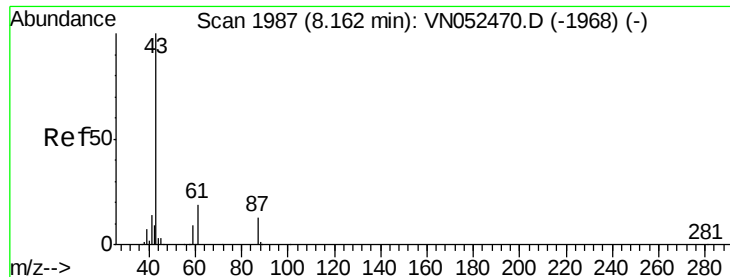
#42
1,2-Dichloroethane
Concen: 4.854 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion:	62	Resp:	67381
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 4.619 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

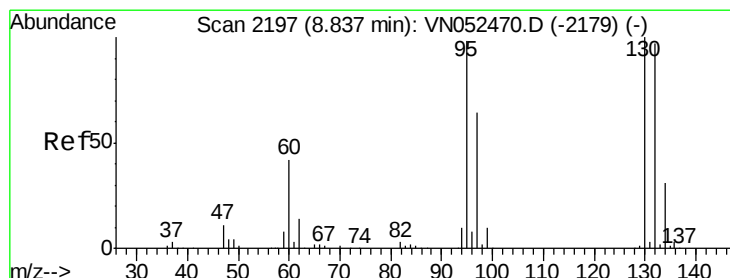
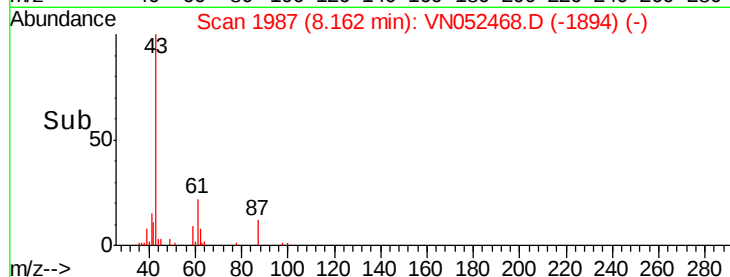
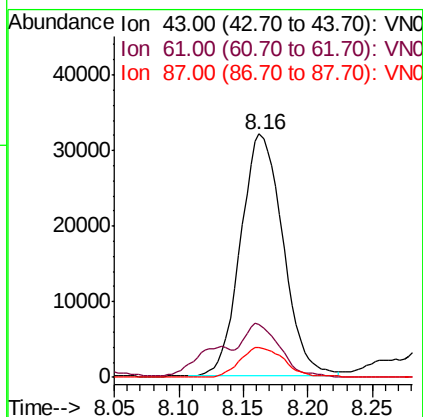
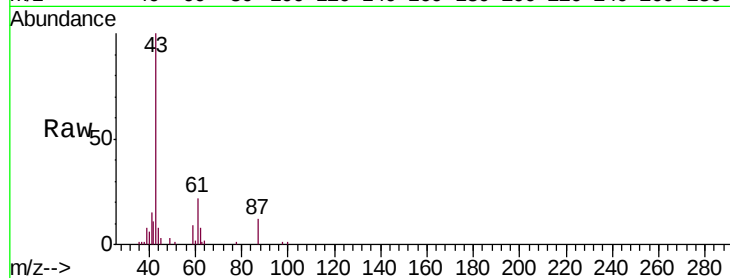
Tgt Ion: 43 Resp: 73374

Ion Ratio Lower Upper

43 100

61 19.5 24.1 36.1#

87 12.8 10.6 15.8



#44

Trichloroethene

Concen: 4.937 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN052468.D

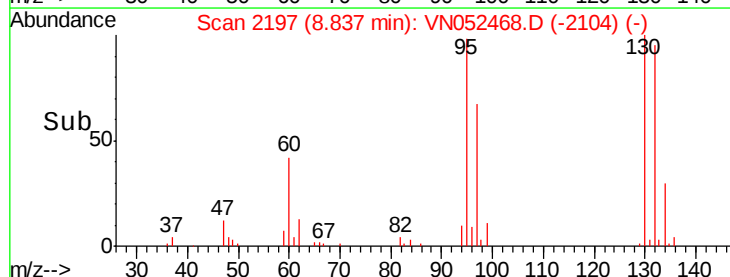
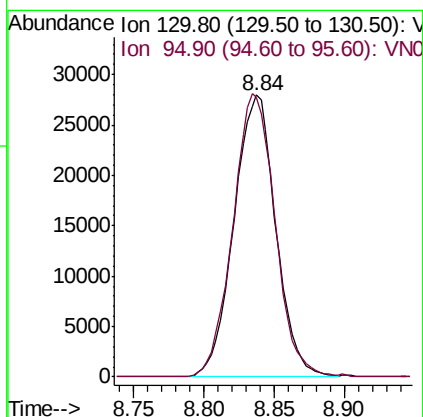
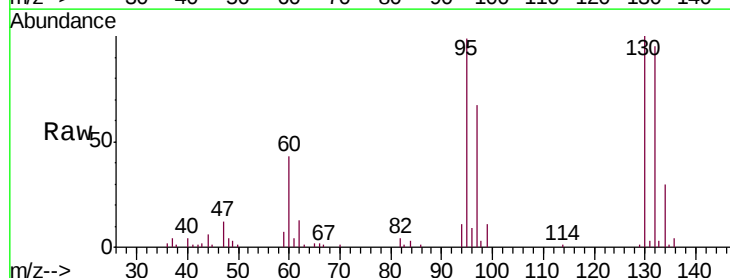
Acq: 27 Nov 2018 9:39

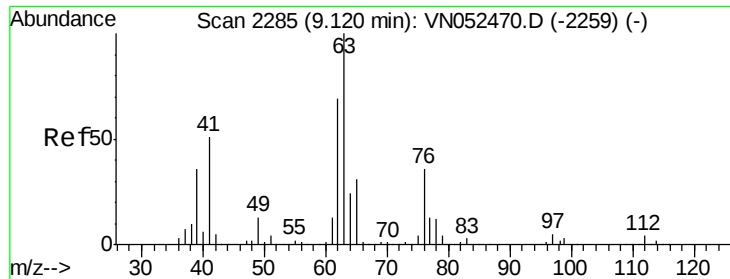
Tgt Ion: 130 Resp: 57968

Ion Ratio Lower Upper

130 100

95 99.2 0.0 195.6

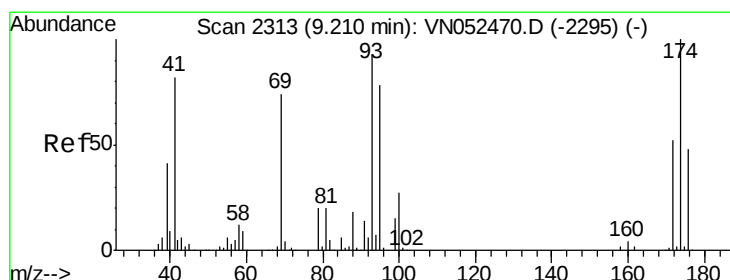
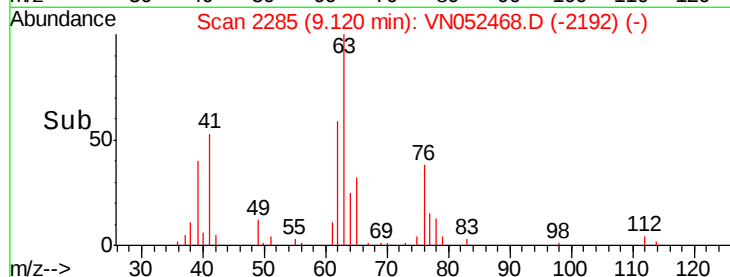
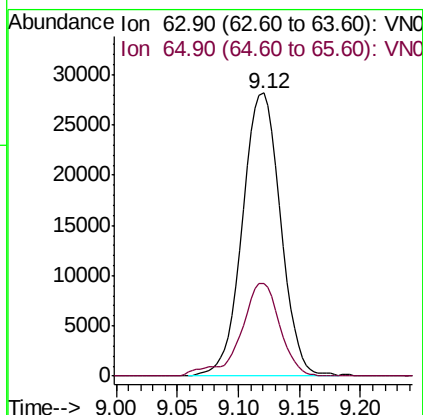
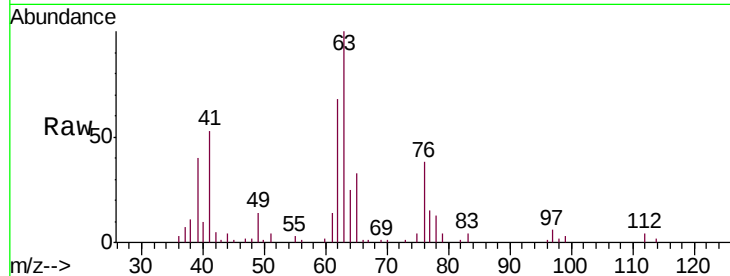




#45
 1,2-Dichloropropane
 Concen: 5.000 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

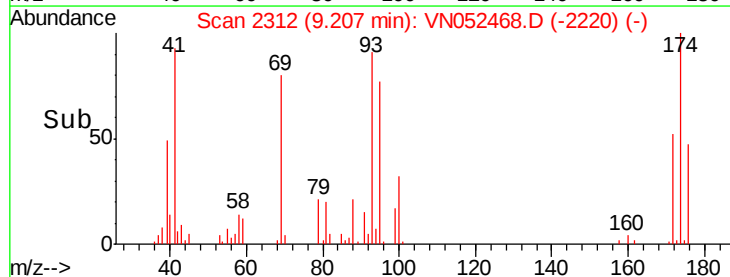
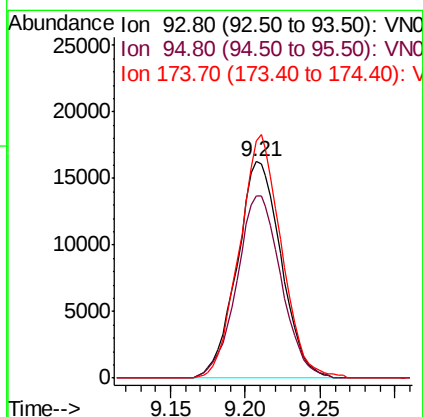
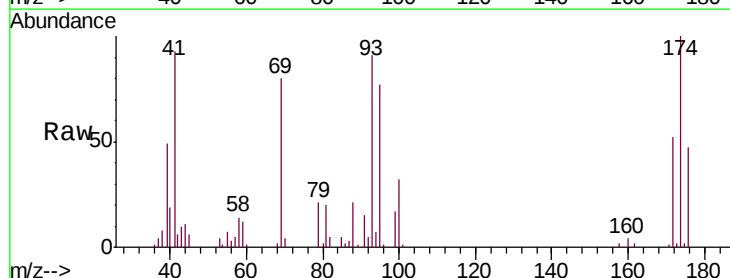
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

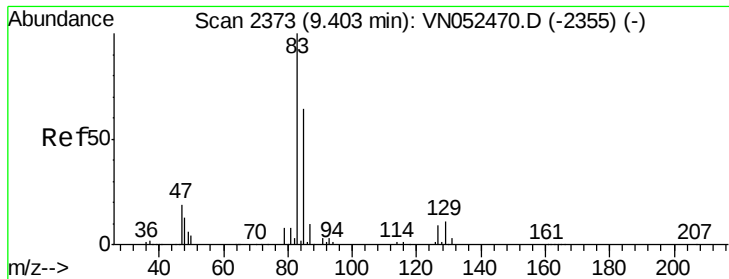
Tgt Ion: 63 Resp: 60938
 Ion Ratio Lower Upper
 63 100
 65 32.9 25.0 37.6



#46
 Dibromomethane
 Concen: 4.937 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion: 93 Resp: 33307
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.1 100.7
 174 107.0 85.8 128.8





#47

Bromodichloromethane

Concen: 4.839 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

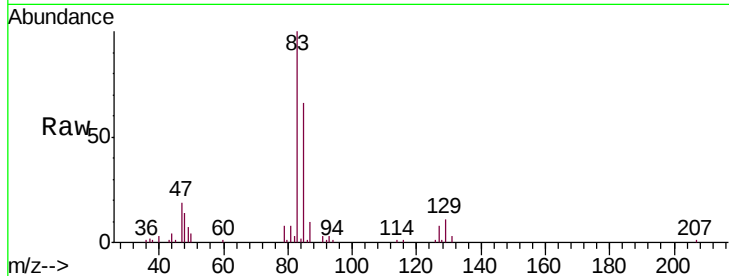
Tgt Ion: 83 Resp: 70987

Ion Ratio Lower Upper

83 100

85 66.0 51.3 76.9

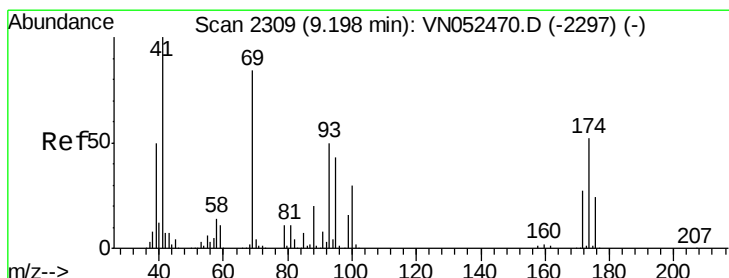
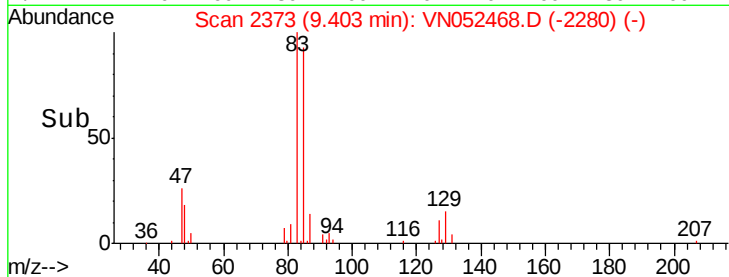
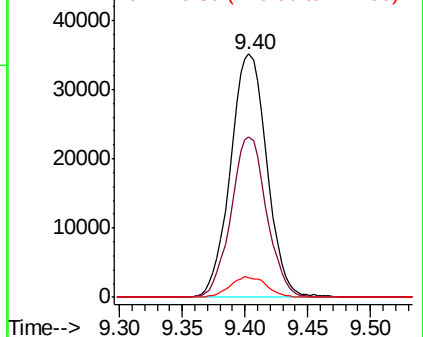
127 8.2 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 4.452 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

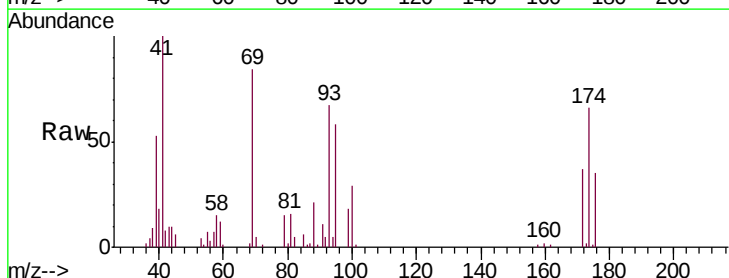
Tgt Ion: 41 Resp: 36883

Ion Ratio Lower Upper

41 100

69 89.1 70.0 105.0

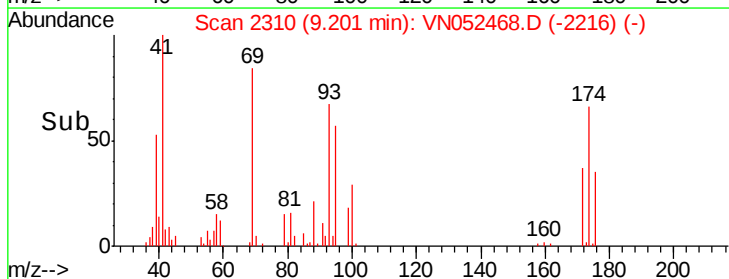
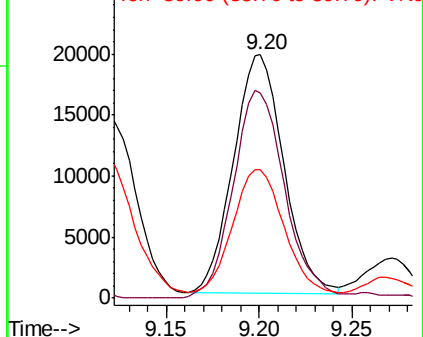
39 53.1 42.6 64.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 106.502 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

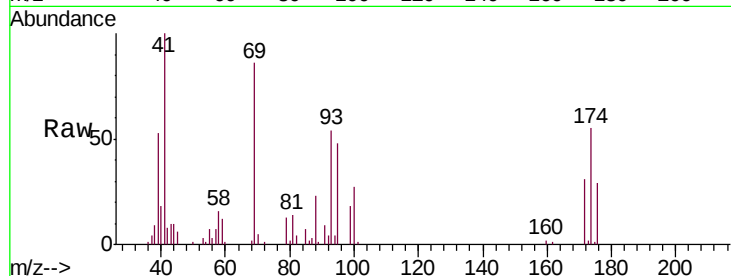
Tgt Ion: 88 Resp: 9156

Ion Ratio Lower Upper

88 100

43 34.8 26.4 39.6

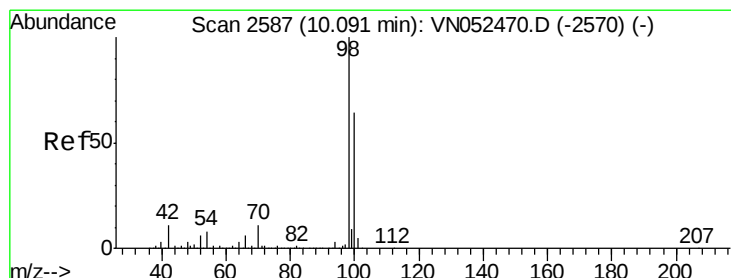
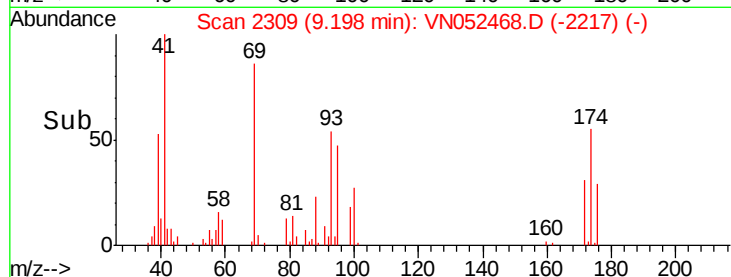
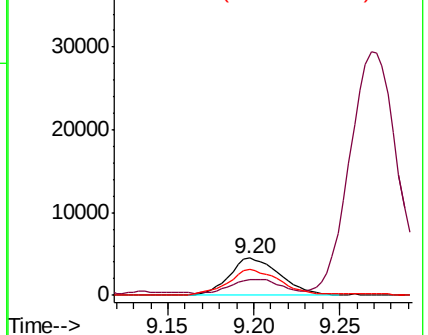
58 70.8 55.4 83.0



Abundance Ion 88.00 (87.70 to 88.70): VN052470.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN052470.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2295) (-)



#50

Toluene-d8

Concen: 106.502 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052468.D

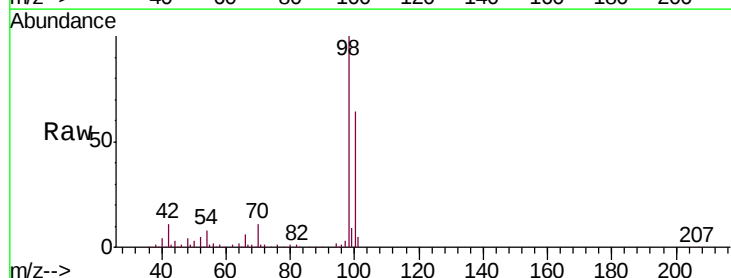
Acq: 27 Nov 2018 9:39

Tgt Ion: 98 Resp: 190682

Ion Ratio Lower Upper

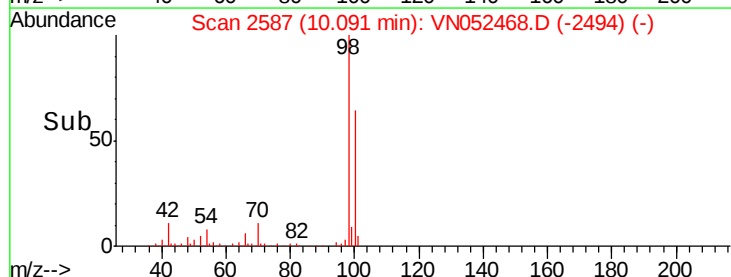
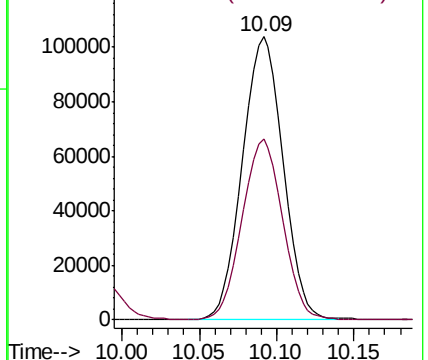
98 100

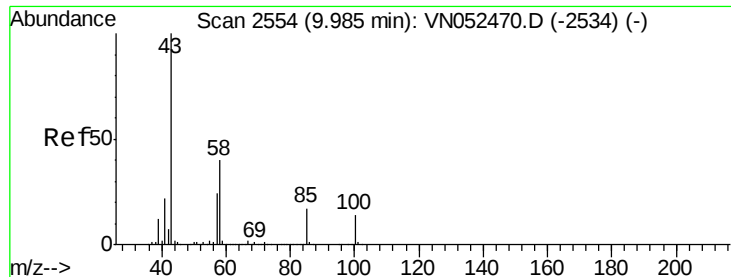
100 63.8 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VN052470.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052470.D (-2570) (-)

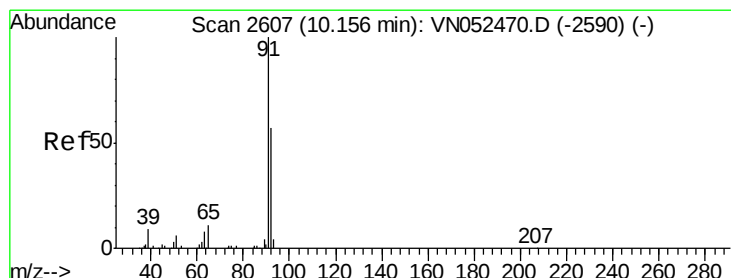
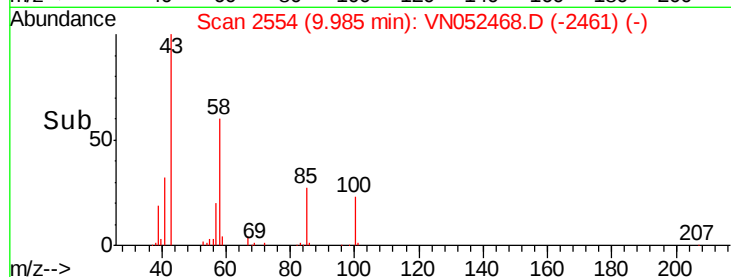
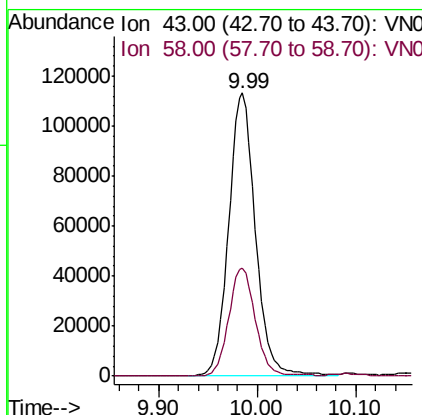
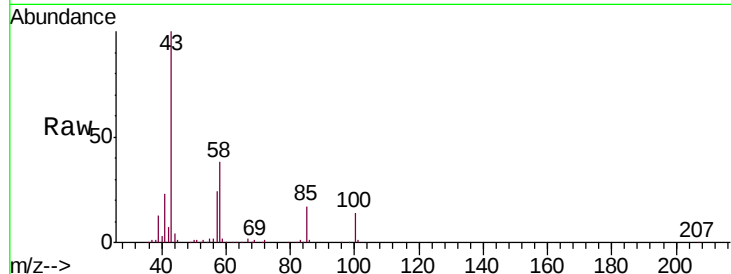




#51
 4-Methyl-2-Pentanone
 Concen: 23.916 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

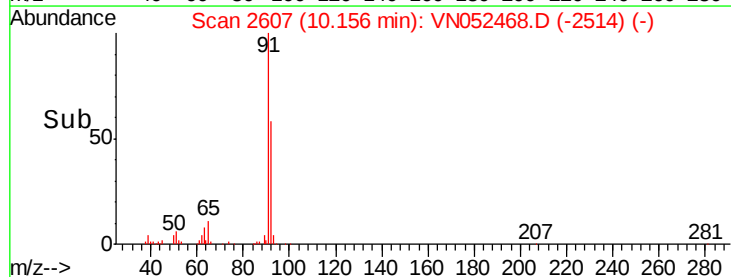
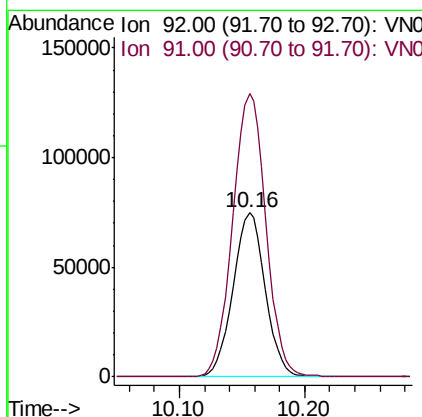
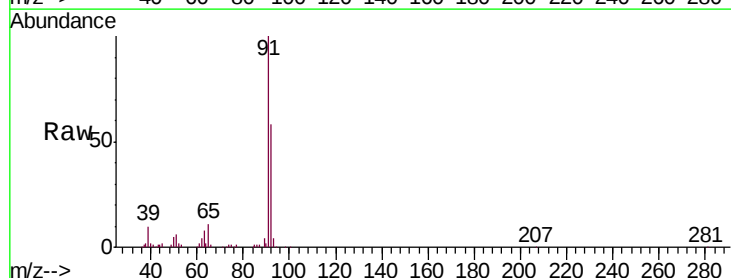
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

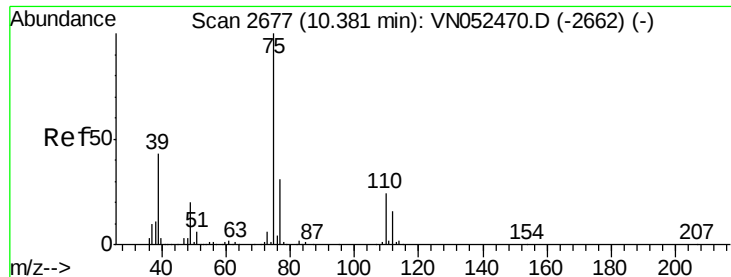
Tgt Ion: 43 Resp: 213170
 Ion Ratio Lower Upper
 43 100
 58 38.4 31.5 47.3



#52
 Toluene
 Concen: 4.899 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion: 92 Resp: 133441
 Ion Ratio Lower Upper
 92 100
 91 178.0 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 4.503 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

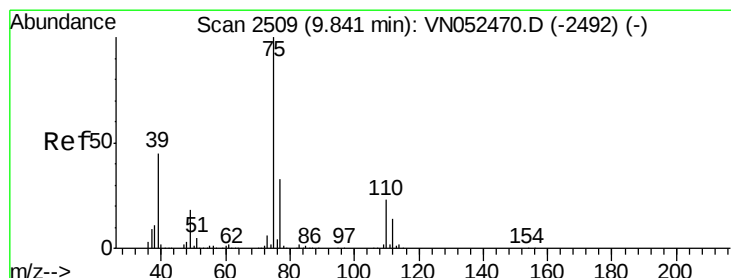
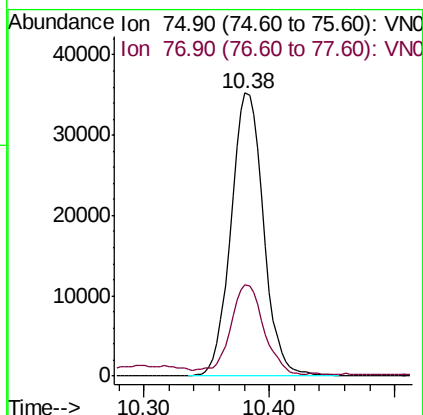
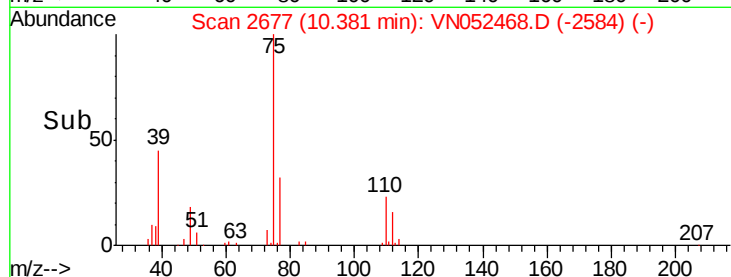
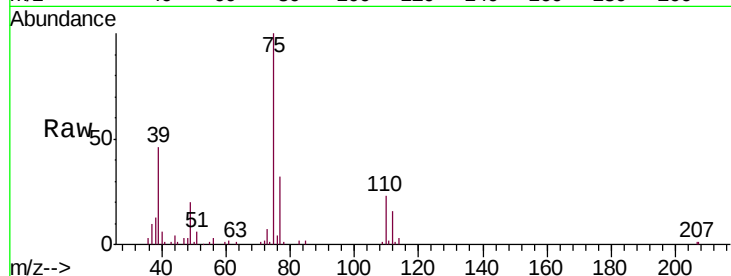
VSTDIC005

Tgt Ion: 75 Resp: 63539

Ion Ratio Lower Upper

75 100

77 31.6 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 4.668 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

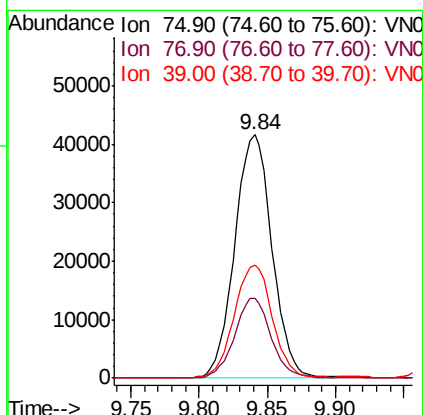
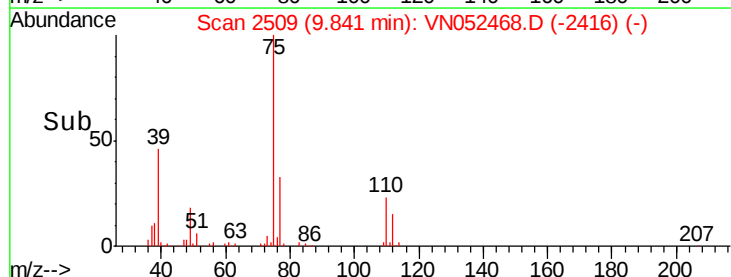
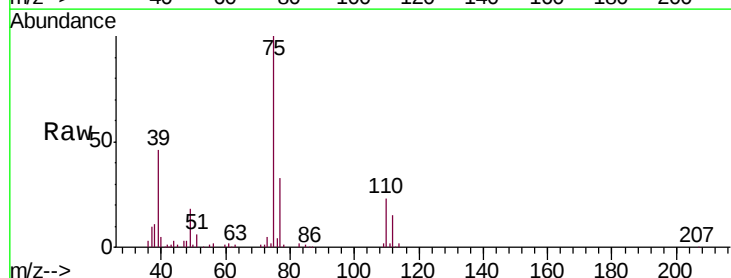
Tgt Ion: 75 Resp: 78940

Ion Ratio Lower Upper

75 100

77 32.9 26.2 39.2

39 46.4 36.0 54.0

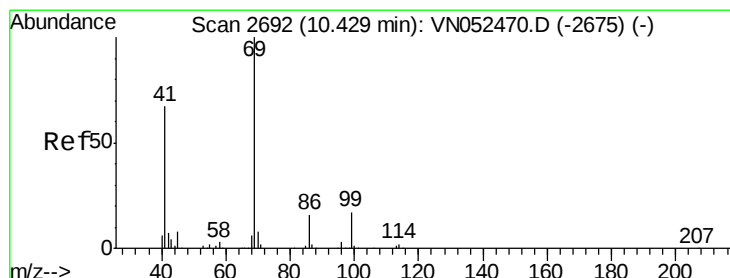
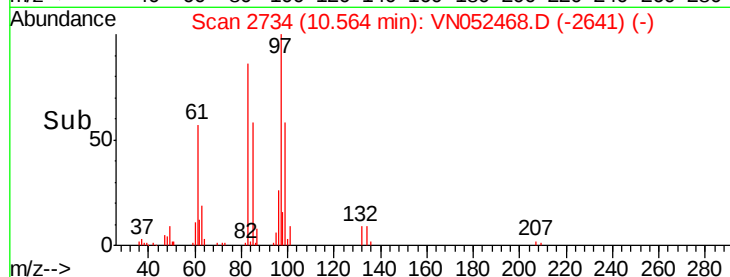
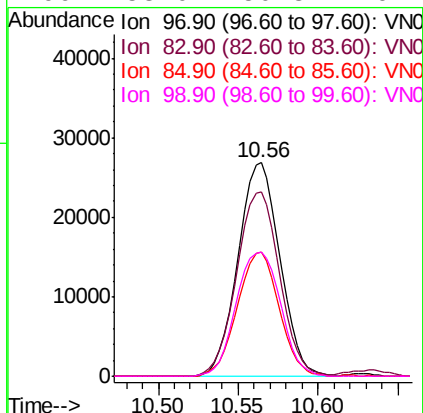
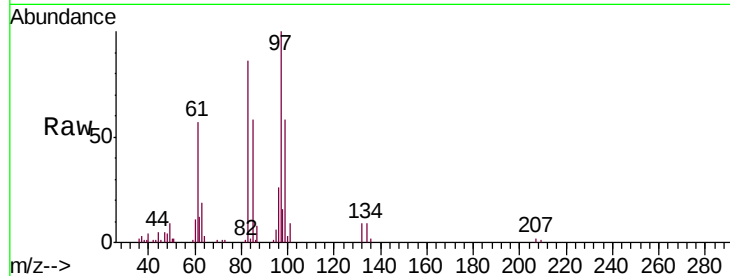




#55
 1,1,2-Trichloroethane
 Concen: 5.016 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

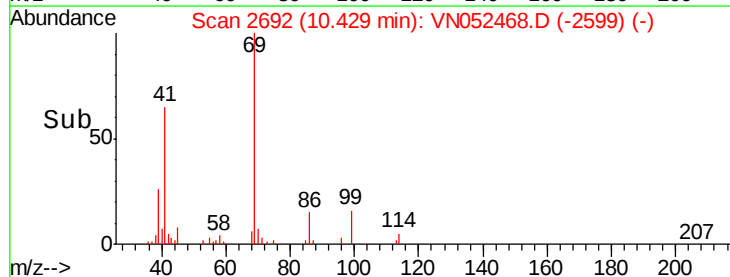
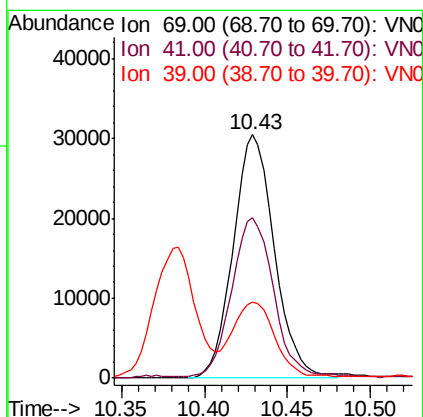
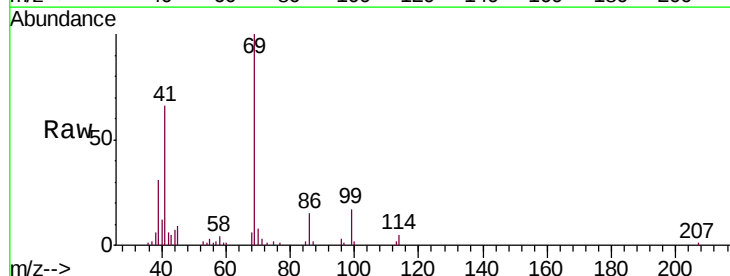
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

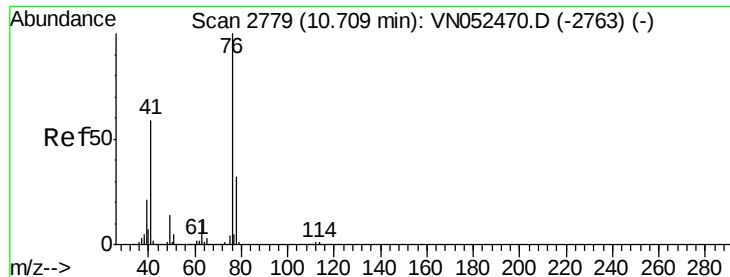
Tgt Ion:	97	Resp:	48058
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.7	106.1
85	57.9	46.1	69.1
99	58.0	50.8	76.2



#56
 Ethyl methacrylate
 Concen: 4.471 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion:	69	Resp:	52714
Ion	Ratio	Lower	Upper
69	100		
41	68.3	52.6	79.0
39	32.0	25.9	38.9





#57

1,3-Dichloropropane

Concen: 4.998 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampled :

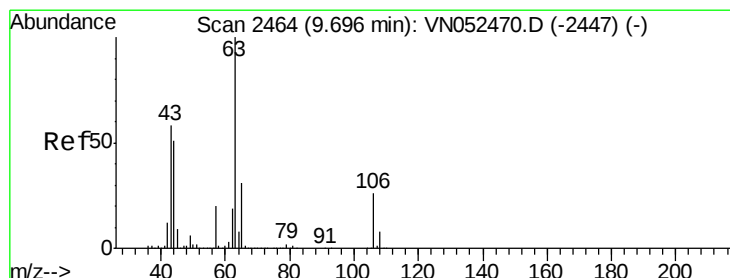
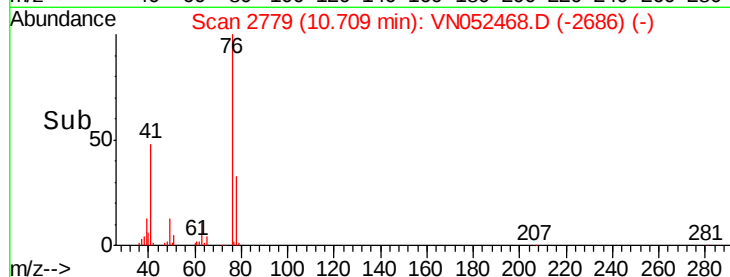
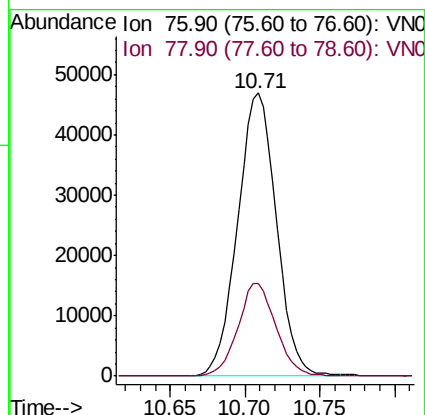
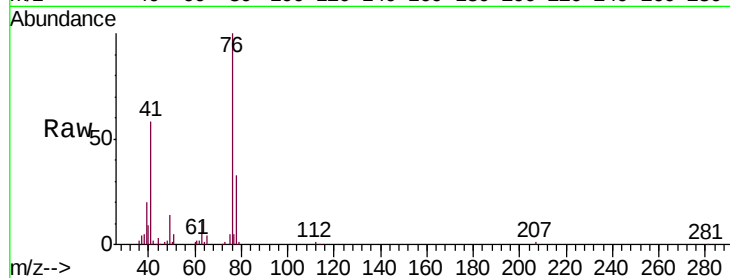
VSTDIC005

Tgt Ion: 76 Resp: 84548

Ion Ratio Lower Upper

76 100

78 32.2 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 22.970 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052468.D

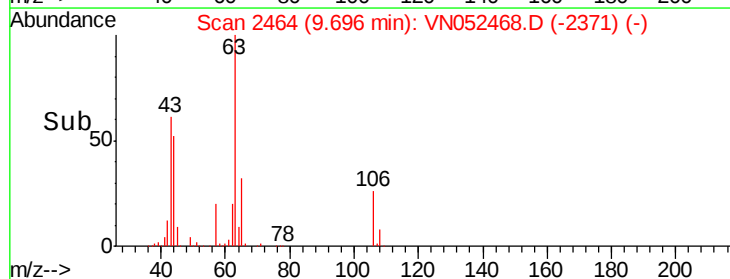
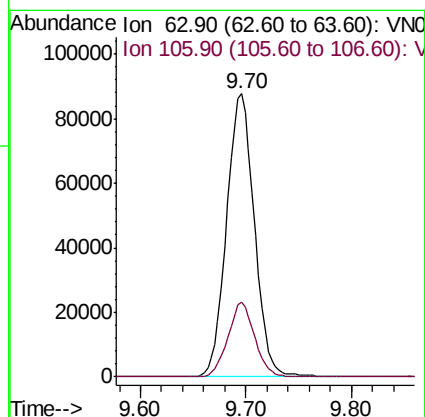
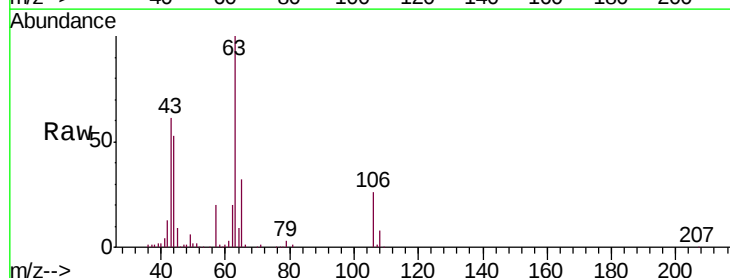
Acq: 27 Nov 2018 9:39

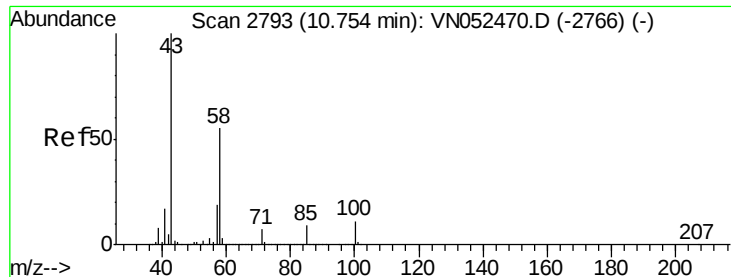
Tgt Ion: 63 Resp: 159681

Ion Ratio Lower Upper

63 100

106 25.4 20.6 30.8

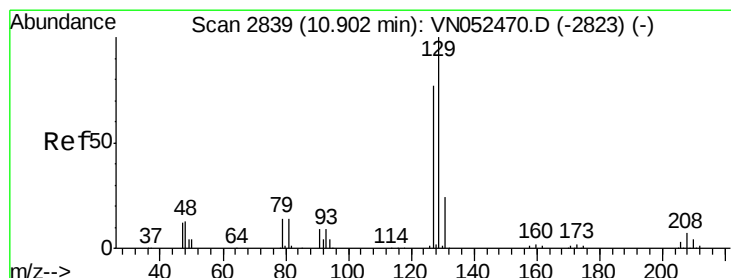
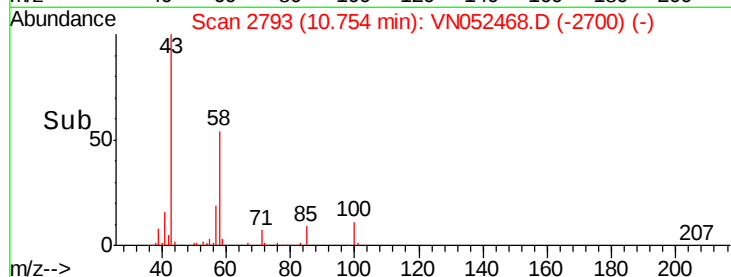
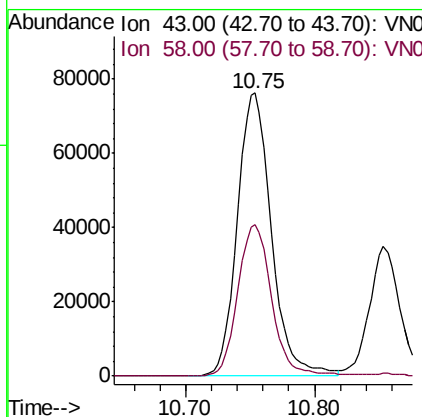
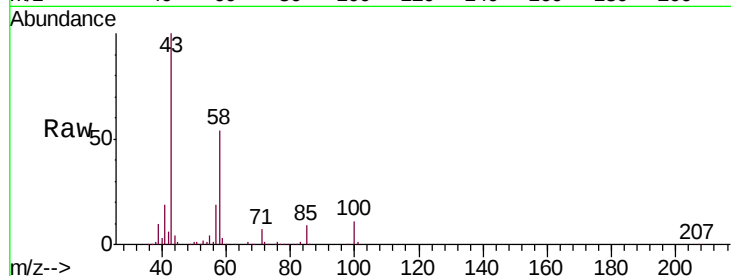




#59
2-Hexanone
Concen: 23.323 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

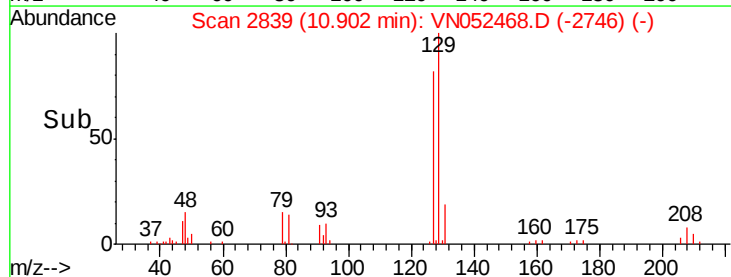
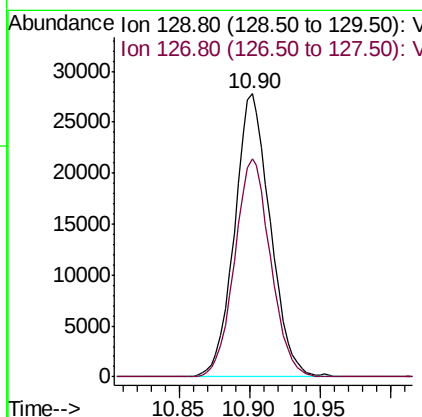
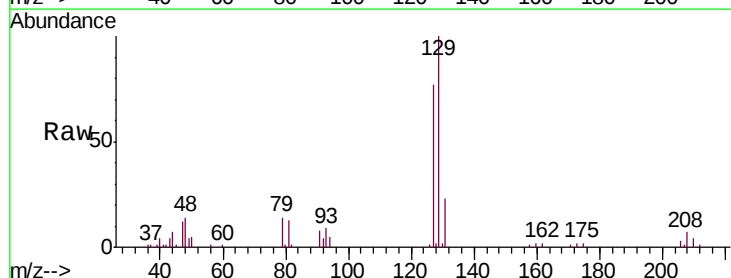
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

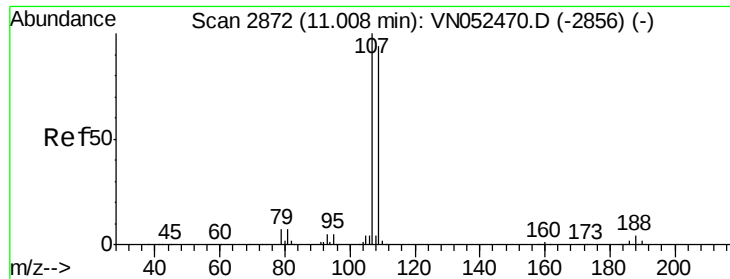
Tgt Ion: 43 Resp: 139522
Ion Ratio Lower Upper
43 100
58 53.7 27.4 82.0



#60
Dibromochloromethane
Concen: 4.731 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 129 Resp: 49228
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 4.888 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

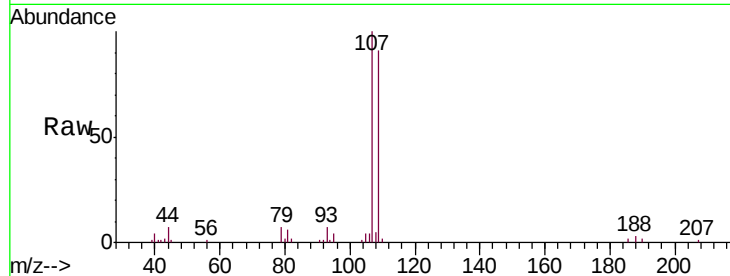
VSTDIC005

Tgt Ion: 107 Resp: 46509

Ion Ratio Lower Upper

107 100

109 90.5 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

25000

20000

15000

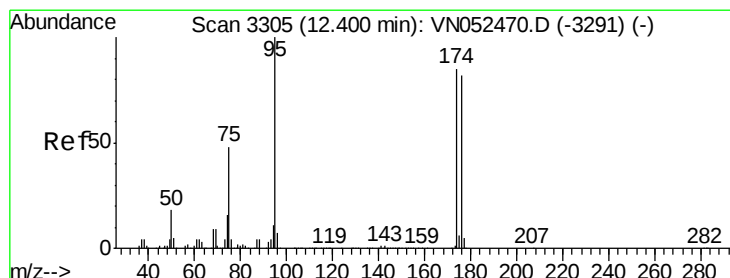
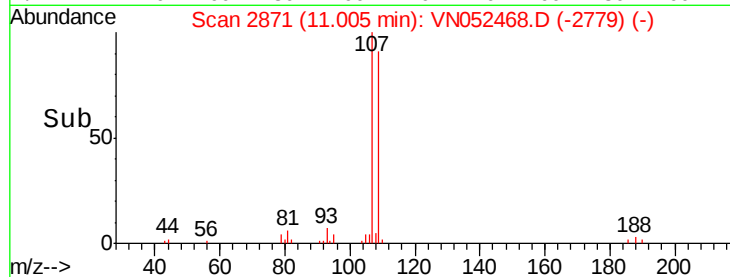
10000

5000

0

Time-->

10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 4.888 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

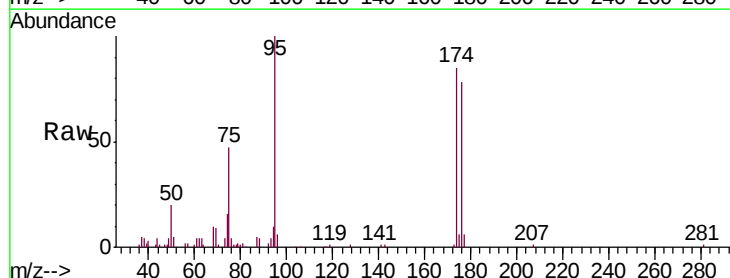
Tgt Ion: 95 Resp: 60890

Ion Ratio Lower Upper

95 100

174 84.9 0.0 173.0

176 80.3 0.0 166.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

50000

40000

30000

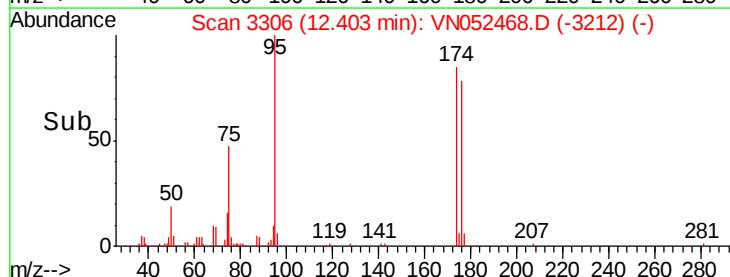
20000

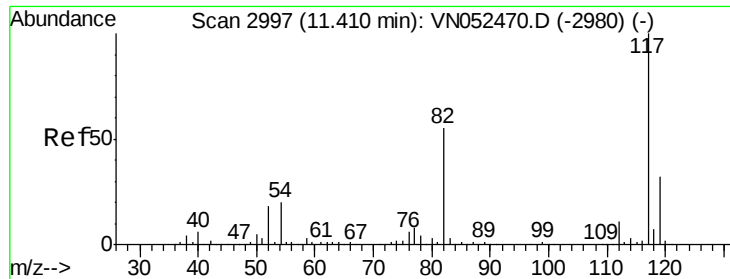
10000

0

Time-->

12.35 12.40 12.45

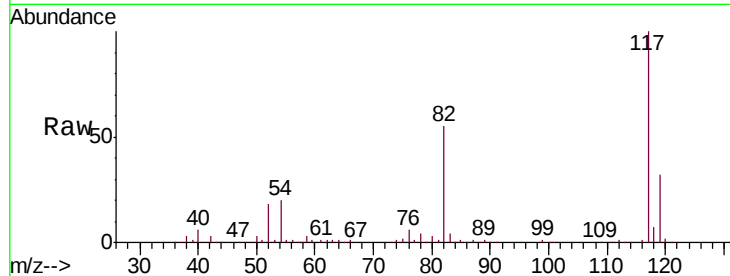




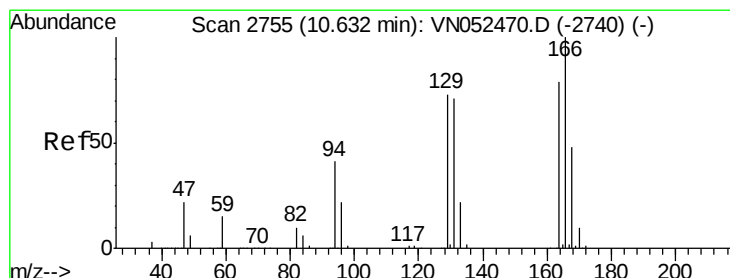
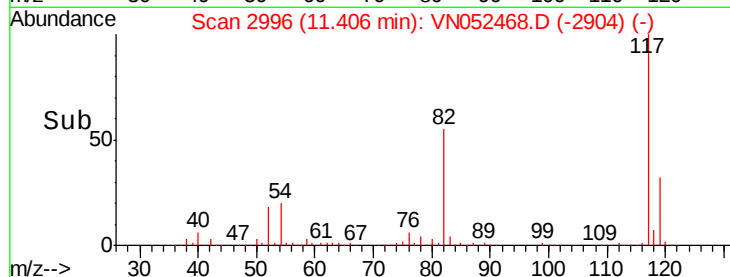
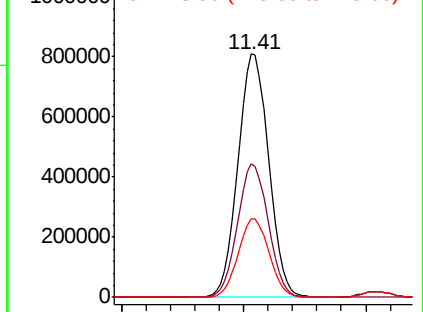
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion:117 Resp: 1408781
Ion Ratio Lower Upper
117 100
82 55.0 43.6 65.4
119 32.1 25.4 38.2



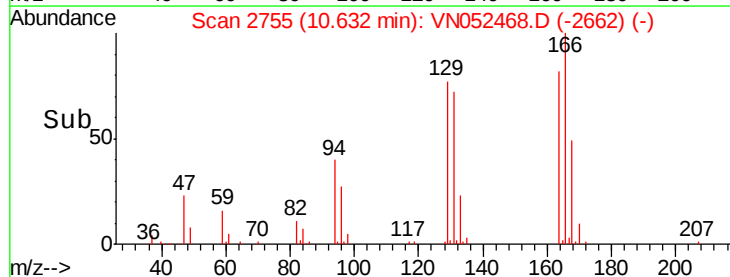
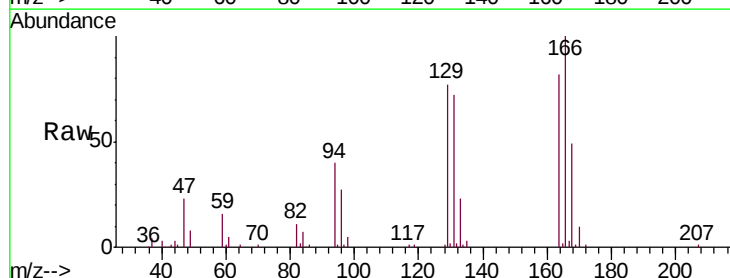
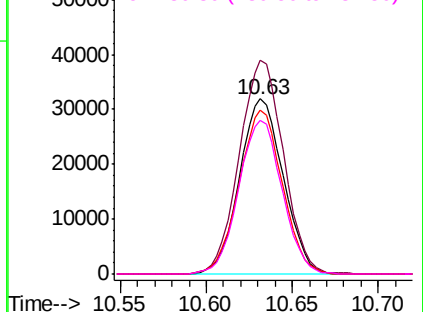
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.176 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion:164 Resp: 56540
Ion Ratio Lower Upper
164 100
166 122.1 101.0 151.4
129 93.7 73.8 110.6
131 87.8 71.2 106.8

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





#65

Chlorobenzene

Concen: 5.001 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

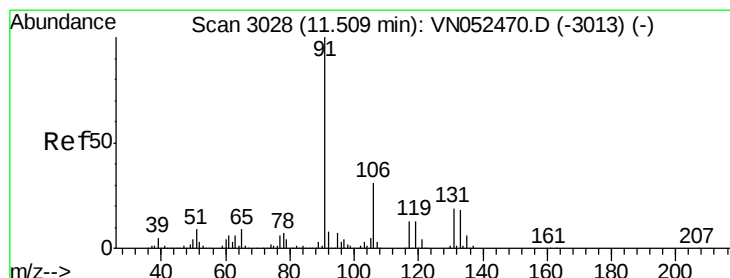
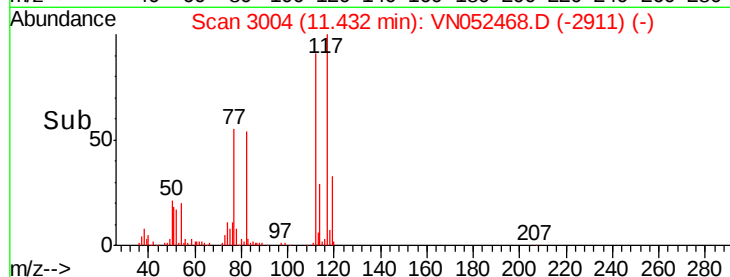
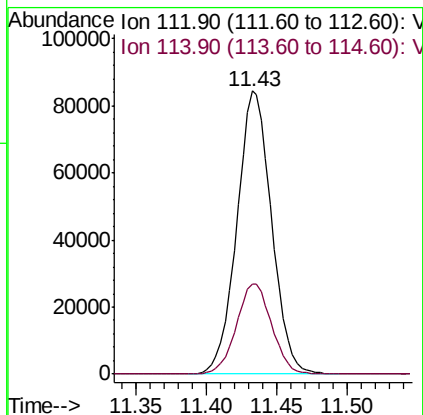
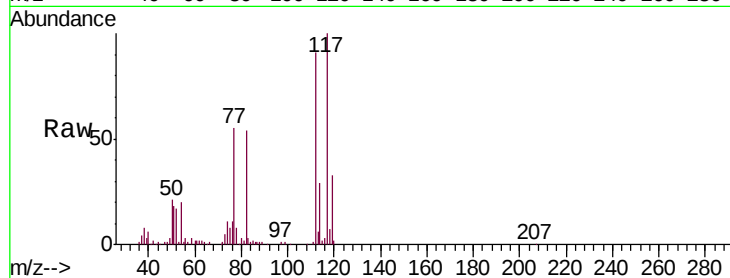
VSTDIC005

Tgt Ion:112 Resp: 145260

Ion Ratio Lower Upper

112 100

114 32.0 25.8 38.6



#66

1,1,1,2-Tetrachloroethane

Concen: 4.949 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

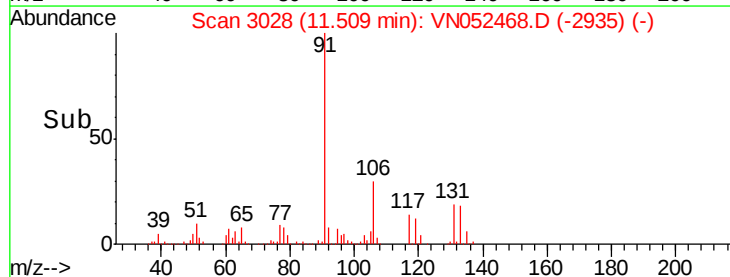
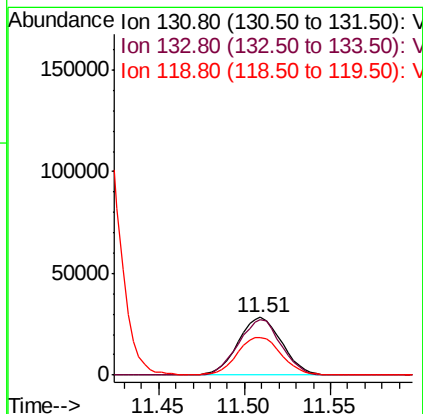
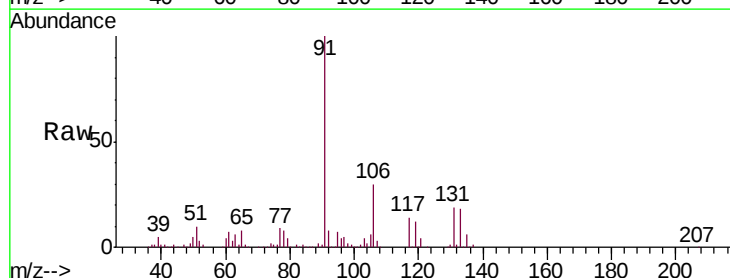
Tgt Ion:131 Resp: 49990

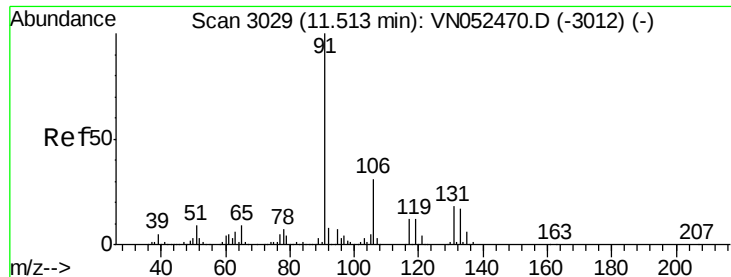
Ion Ratio Lower Upper

131 100

133 94.1 47.6 142.8

119 66.6 33.2 99.6

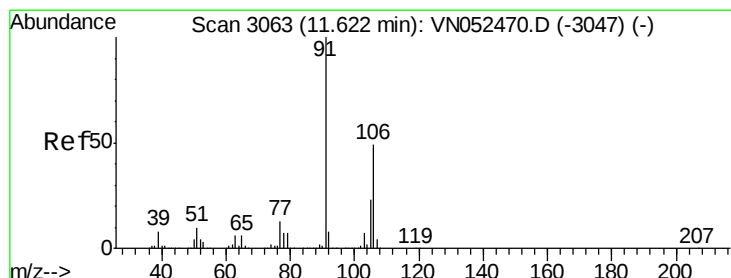
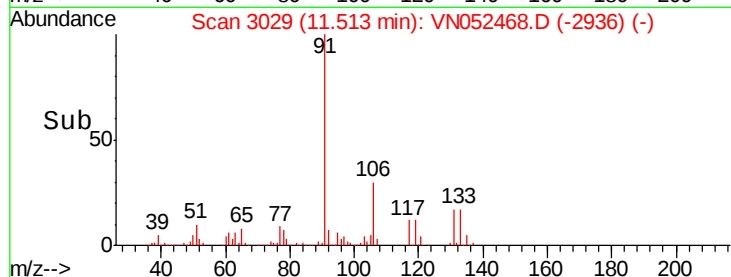
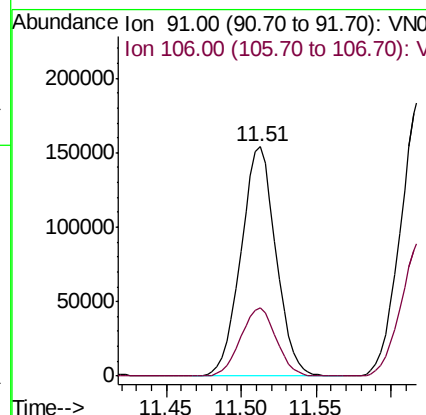
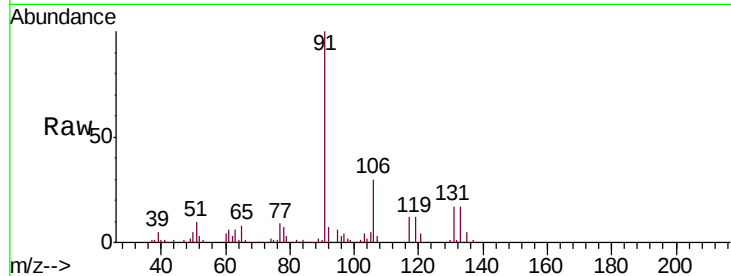




#67
Ethyl Benzene
Concen: 4.933 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

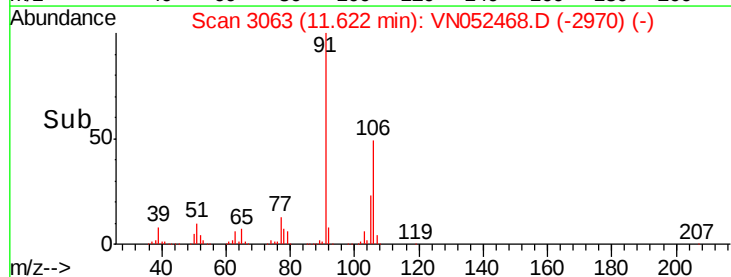
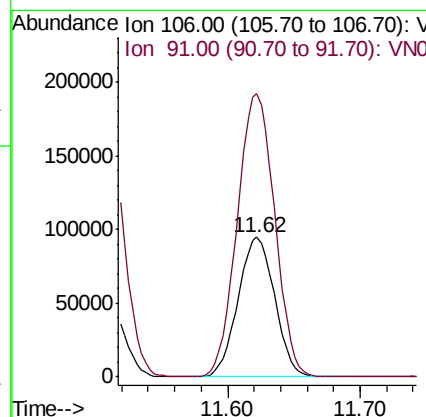
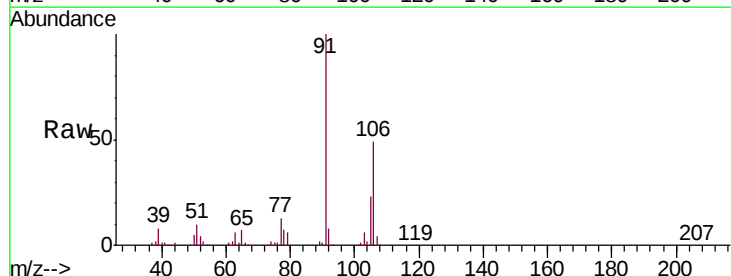
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

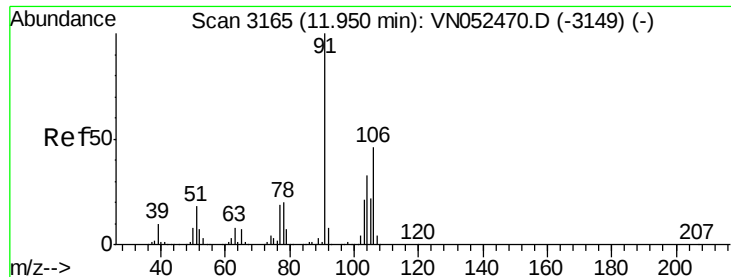
Tgt Ion: 91 Resp: 250929
Ion Ratio Lower Upper
91 100
106 29.7 24.9 37.3



#68
m/p-Xylenes
Concen: 9.641 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion: 106 Resp: 182585
Ion Ratio Lower Upper
106 100
91 207.0 163.2 244.8

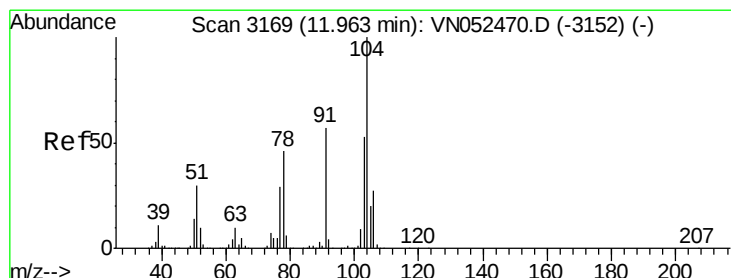
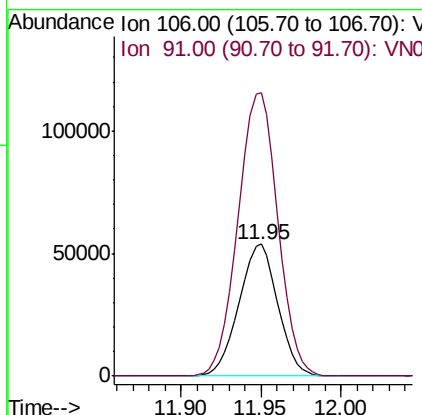
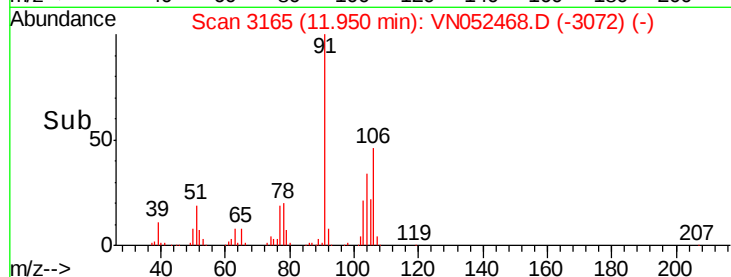
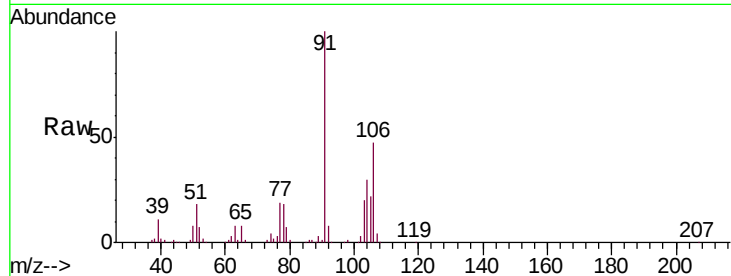




#69
o-Xylene
Concen: 4.830 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

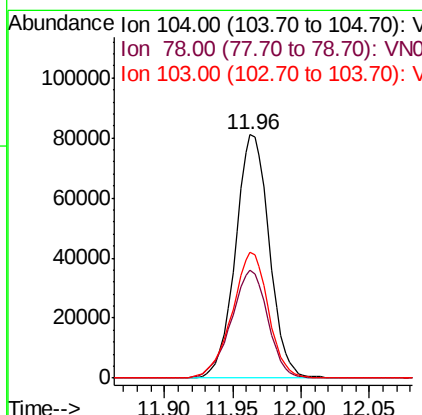
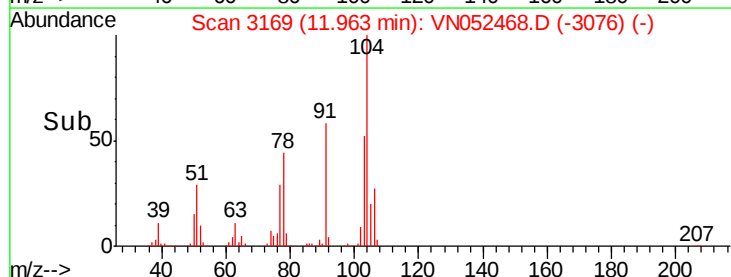
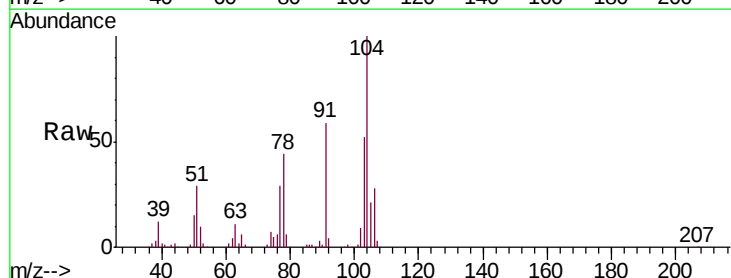
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tgt Ion:106 Resp: 88823
Ion Ratio Lower Upper
106 100
91 220.7 107.7 323.1



#70
Styrene
Concen: 4.759 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052468.D
Acq: 27 Nov 2018 9:39

Tgt Ion:104 Resp: 139396
Ion Ratio Lower Upper
104 100
78 48.1 39.4 59.2
103 55.4 44.9 67.3





#71

Bromoform

Concen: 4.596 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

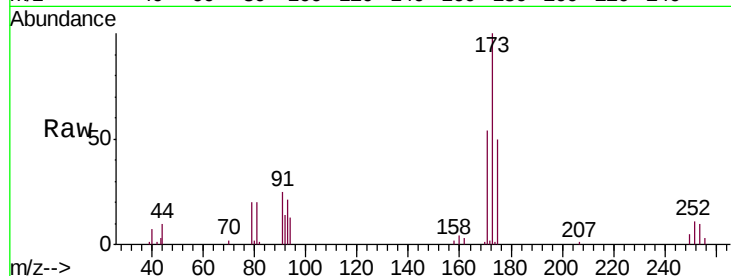
Tgt Ion:173 Resp: 30737

Ion Ratio Lower Upper

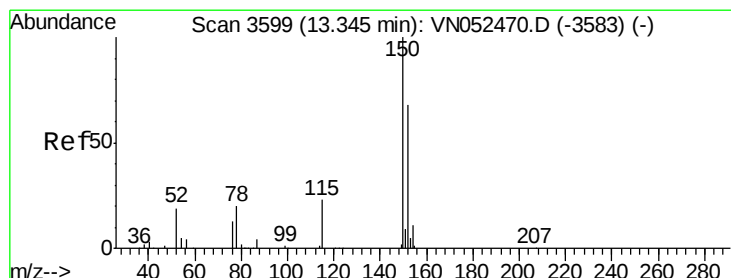
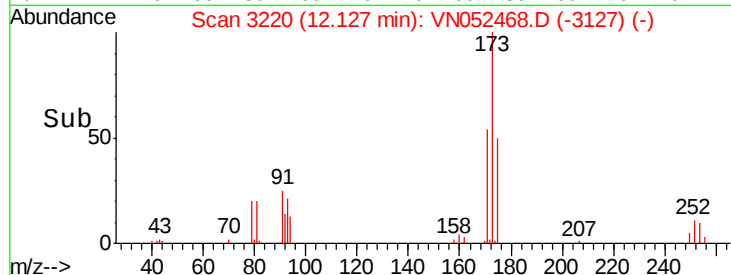
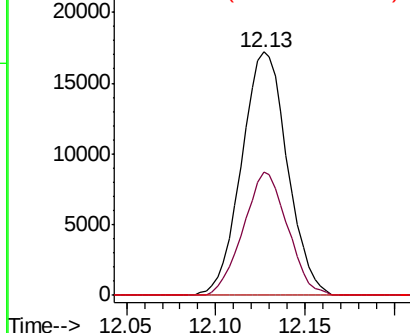
173 100

175 49.0 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: VN052468.D

Acq: 27 Nov 2018 9:39

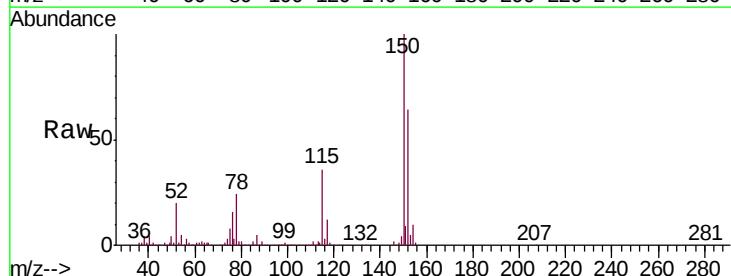
Tgt Ion:152 Resp: 578213

Ion Ratio Lower Upper

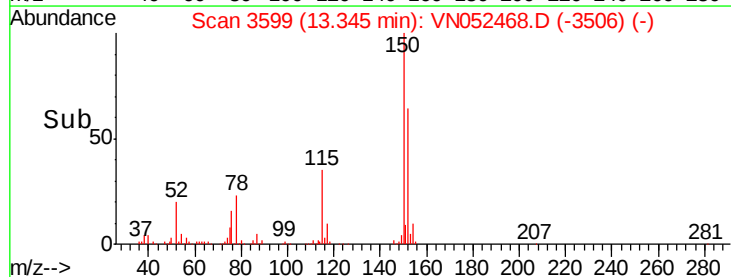
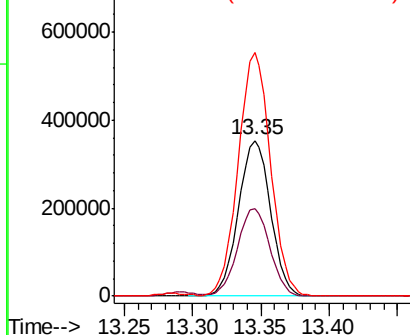
152 100

115 56.8 28.4 85.2

150 157.3 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: 5.202 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

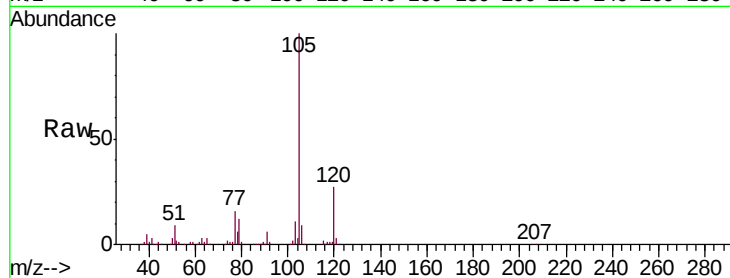
VSTDIC005

Tgt Ion: 105 Resp: 236001

Ion Ratio Lower Upper

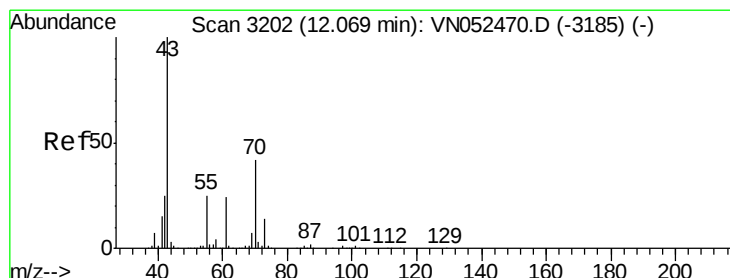
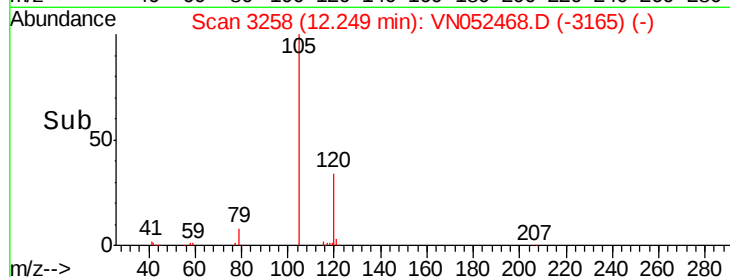
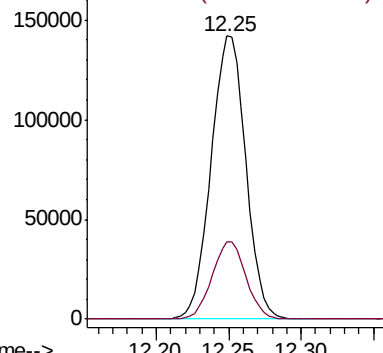
105 100

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: 4.598 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Tgt Ion: 43 Resp: 52700

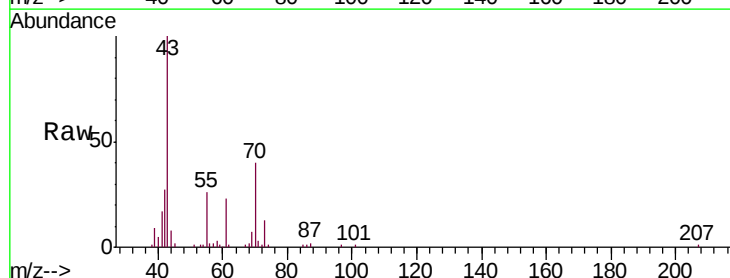
Ion Ratio Lower Upper

43 100

70 43.6 33.8 50.8

55 26.0 20.0 30.0

61 24.2 19.7 29.5

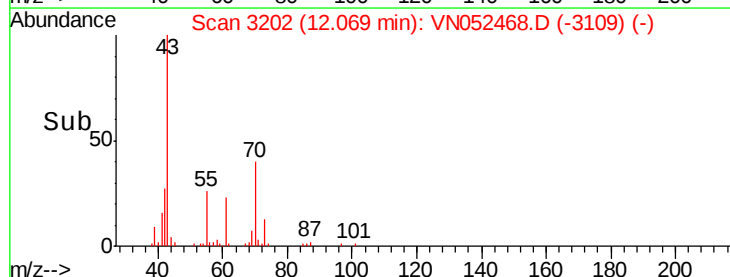
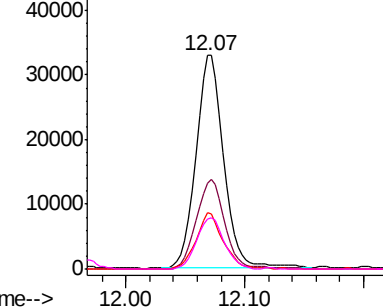


Abundance Ion 43.00 (42.70 to 43.70): V

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: 5.292 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

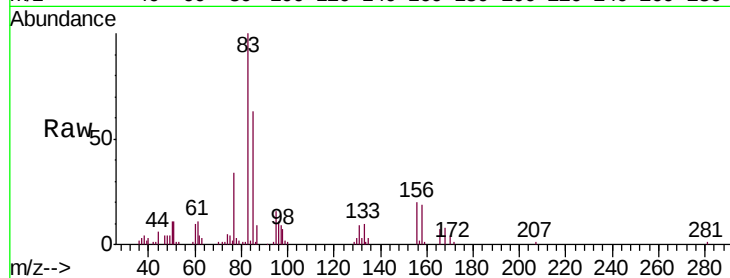
Tgt Ion: 83 Resp: 54607

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

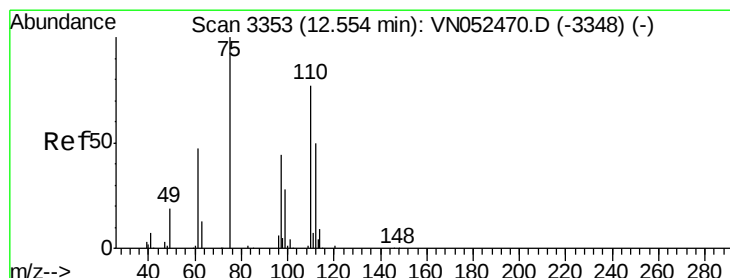
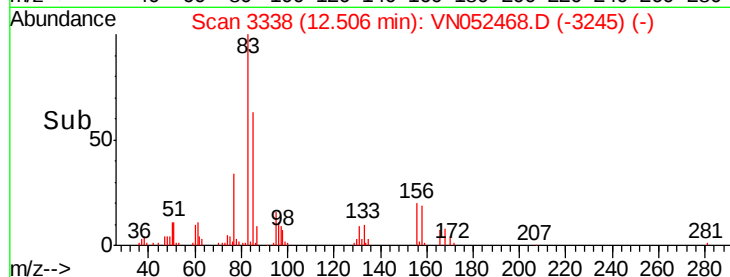
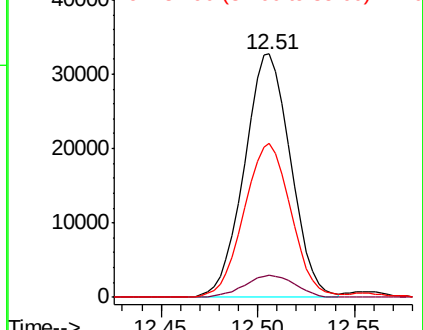
85 64.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 7.408 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN052468.D

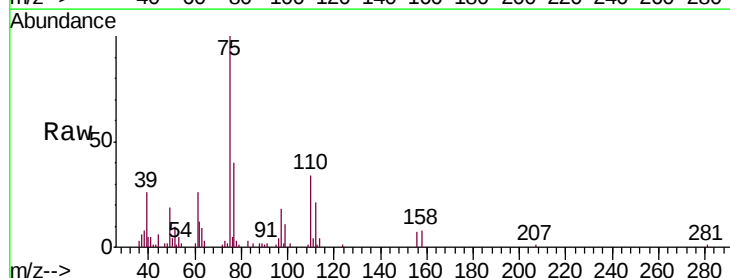
Acq: 27 Nov 2018 9:39

Tgt Ion: 75 Resp: 63534

Ion Ratio Lower Upper

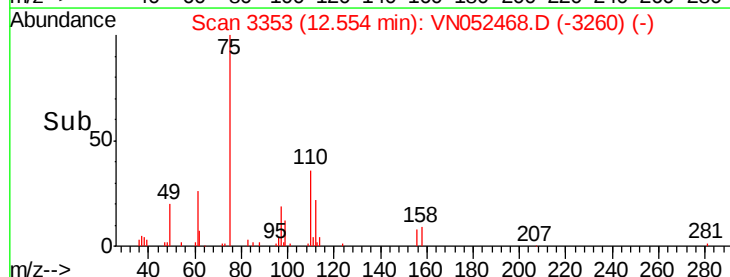
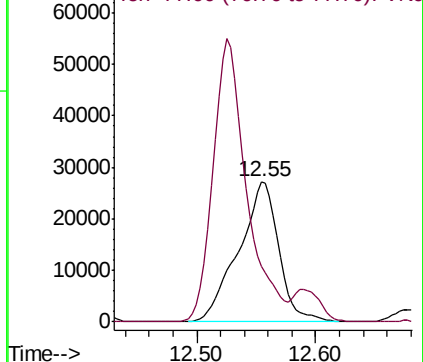
75 100

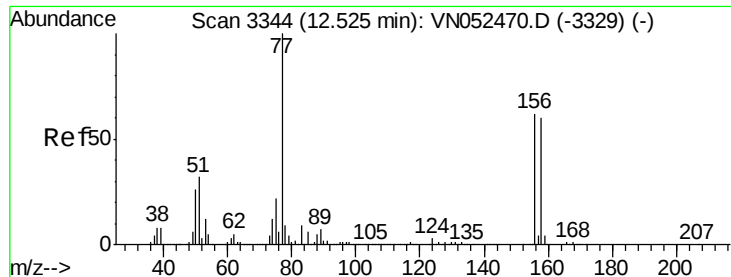
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 5.235 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

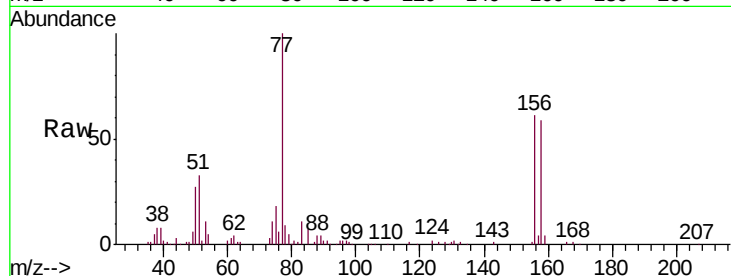
Tgt Ion:156 Resp: 58694

Ion Ratio Lower Upper

156 100

77 182.9 93.5 280.4

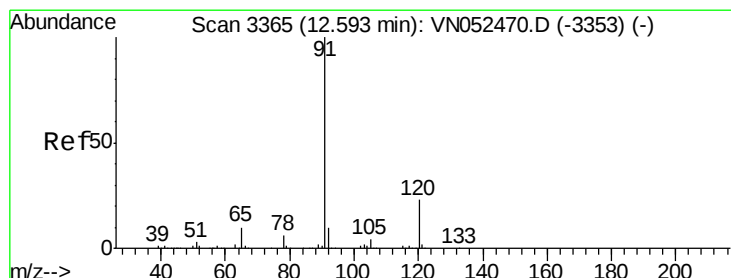
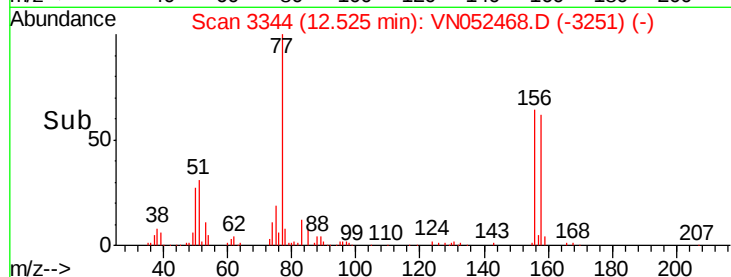
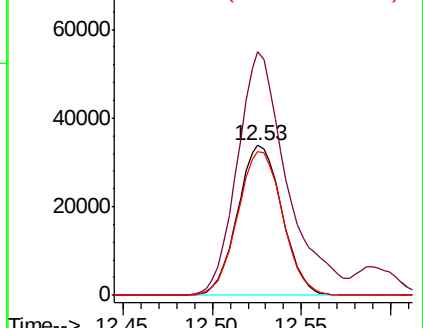
158 97.3 48.3 144.9



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: 5.106 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052468.D

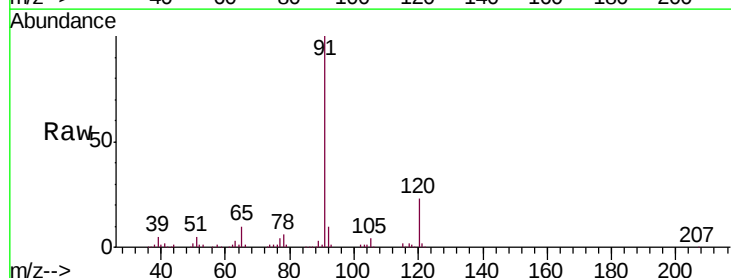
Acq: 27 Nov 2018 9:39

Tgt Ion: 91 Resp: 263153

Ion Ratio Lower Upper

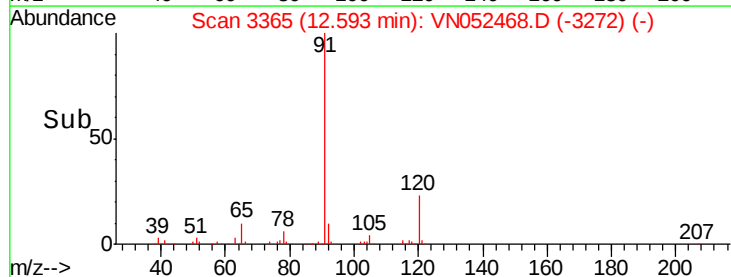
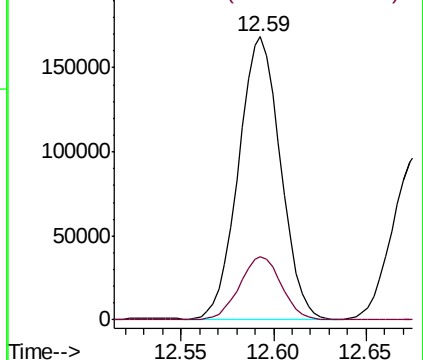
91 100

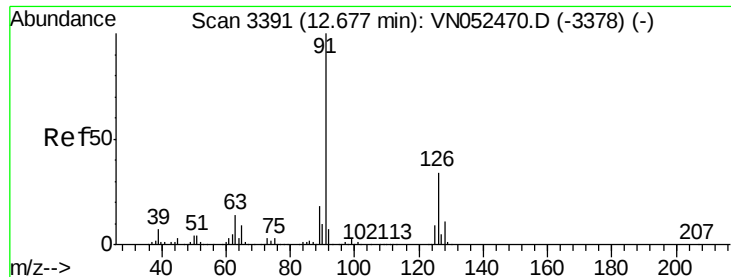
120 22.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.237 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

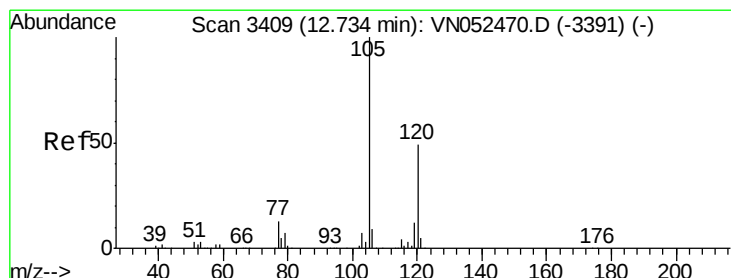
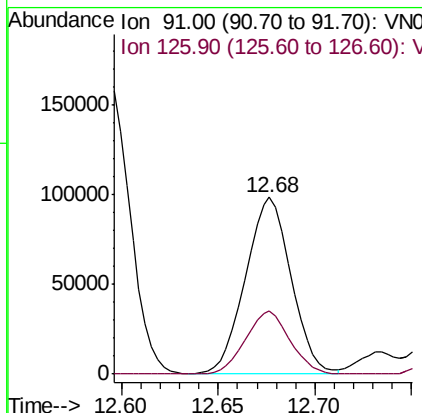
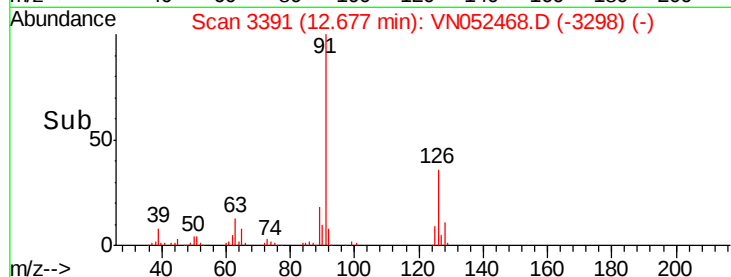
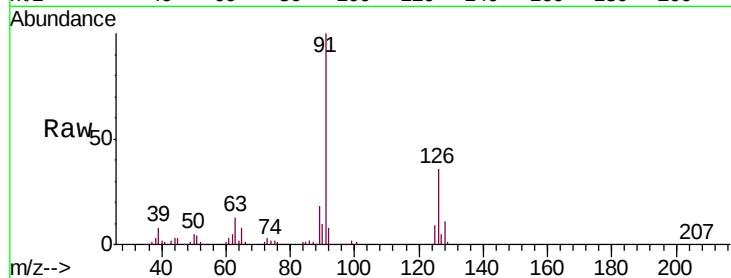
VSTDIC005

Tgt Ion: 91 Resp: 160732

Ion Ratio Lower Upper

91 100

126 34.9 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 5.124 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052468.D

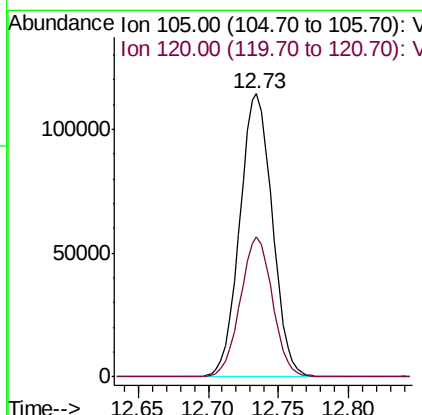
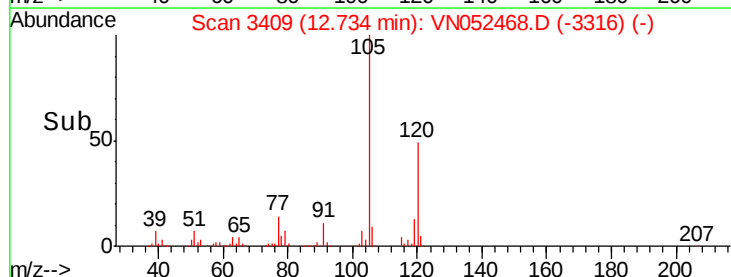
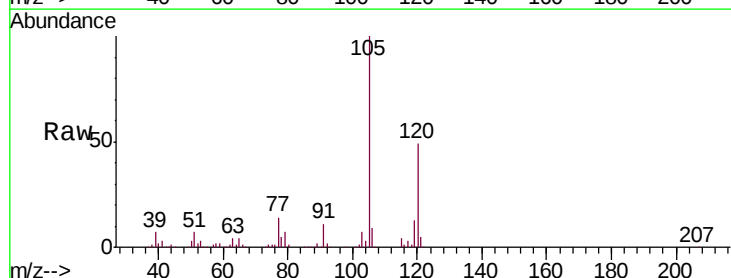
Acq: 27 Nov 2018 9:39

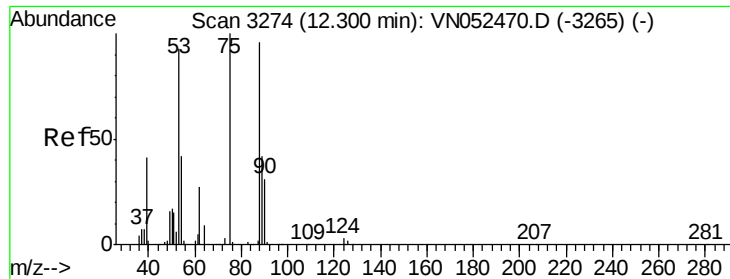
Tgt Ion: 105 Resp: 185394

Ion Ratio Lower Upper

105 100

120 48.8 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.650 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

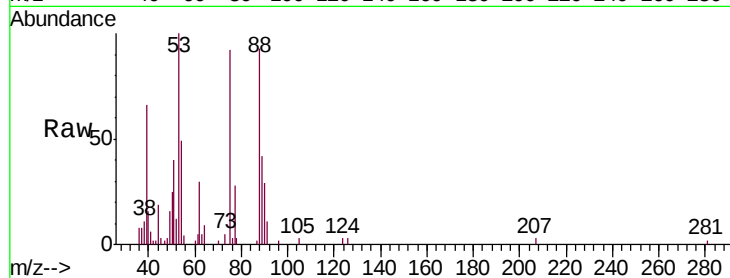
Tgt Ion: 75 Resp: 12414

Ion Ratio Lower Upper

75 100

53 106.1 77.4 116.0

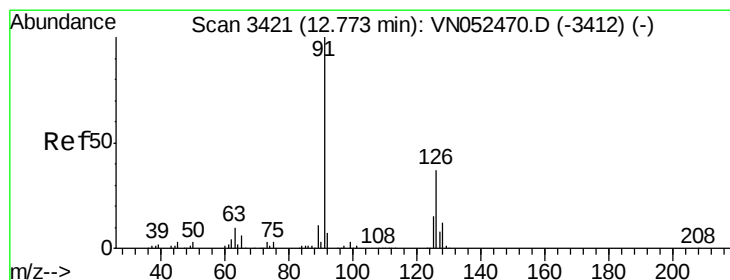
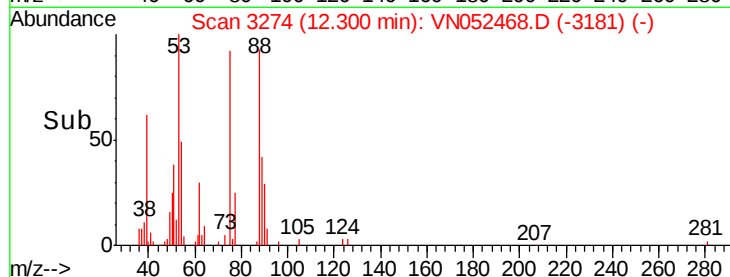
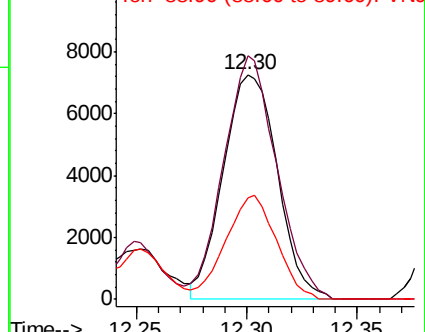
89 43.2 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 5.174 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052468.D

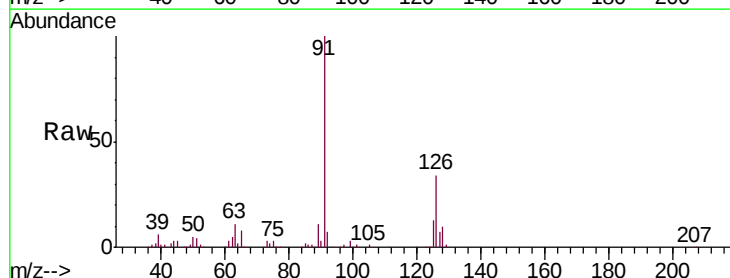
Acq: 27 Nov 2018 9:39

Tgt Ion: 91 Resp: 160030

Ion Ratio Lower Upper

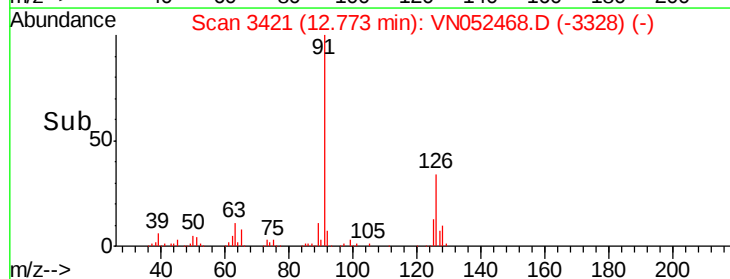
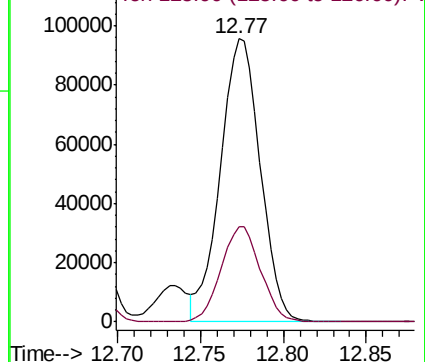
91 100

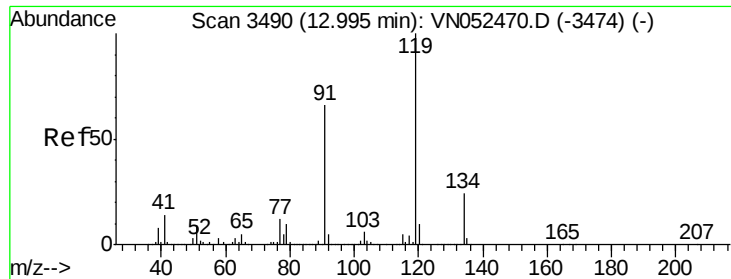
126 33.3 16.9 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

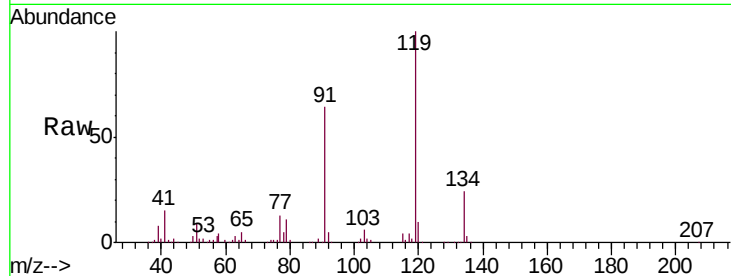




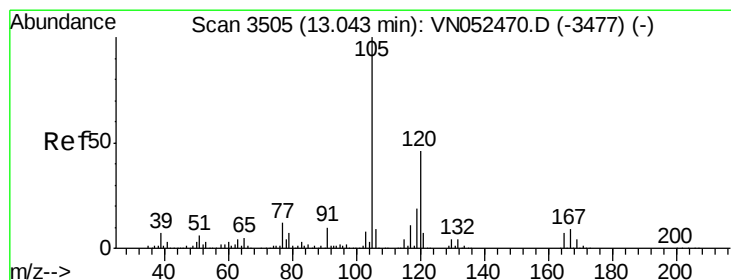
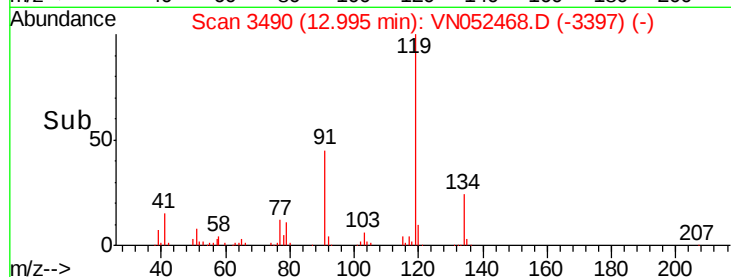
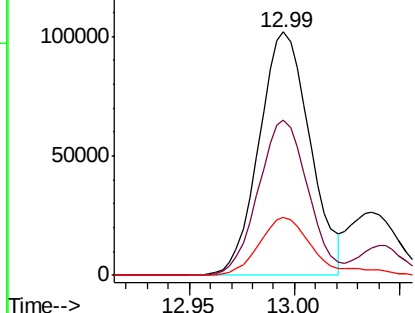
#83
 tert-Butylbenzene
 Concen: 5.295 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tgt Ion:119 Resp: 170784
 Ion Ratio Lower Upper
 119 100
 91 62.5 32.3 96.9
 134 25.6 13.0 38.9

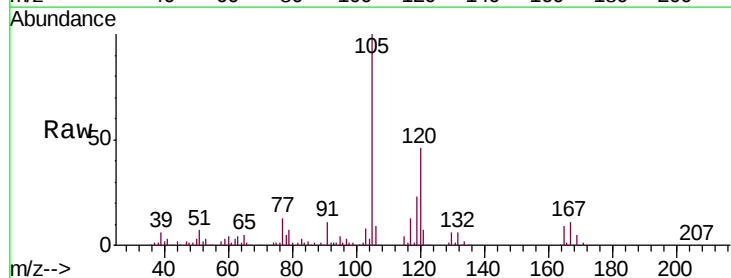


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

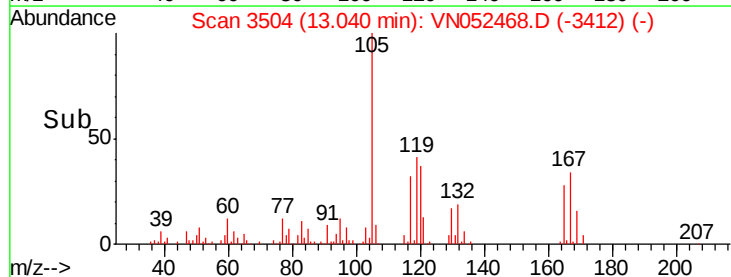
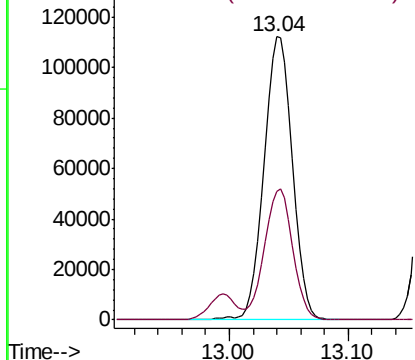


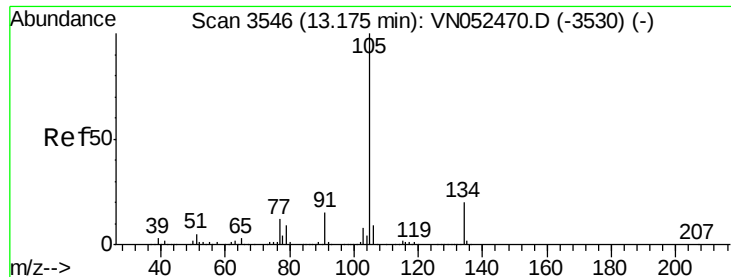
#84
 1,2,4-Trimethylbenzene
 Concen: 5.113 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion:105 Resp: 185399
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

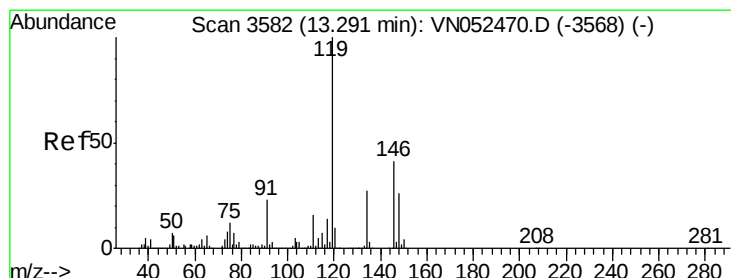
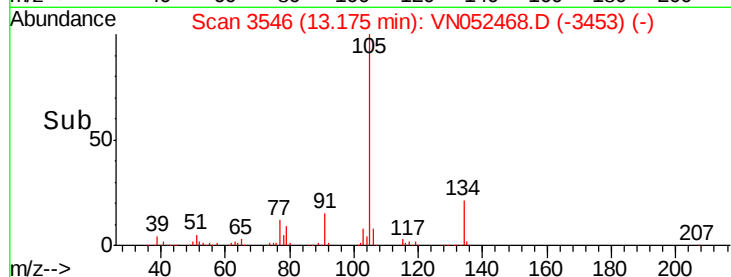
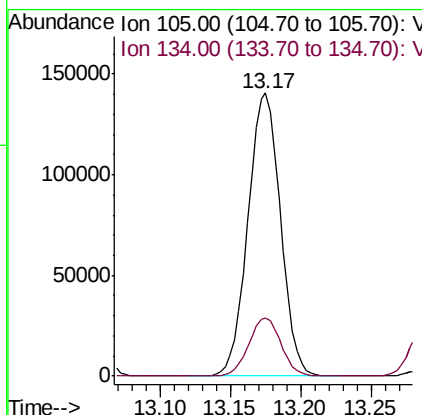
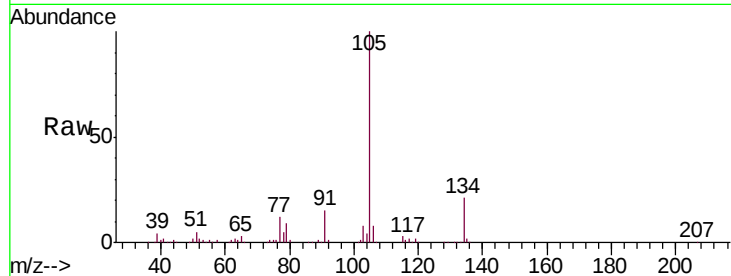




#85
 sec-Butylbenzene
 Concen: 5.180 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

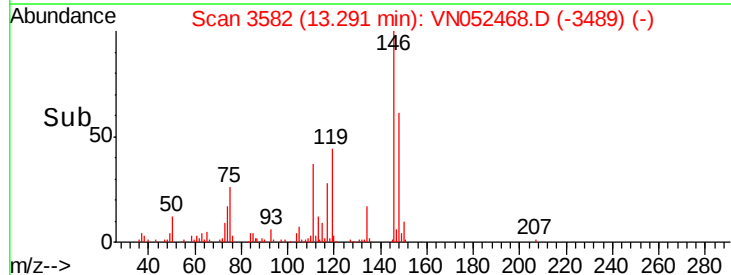
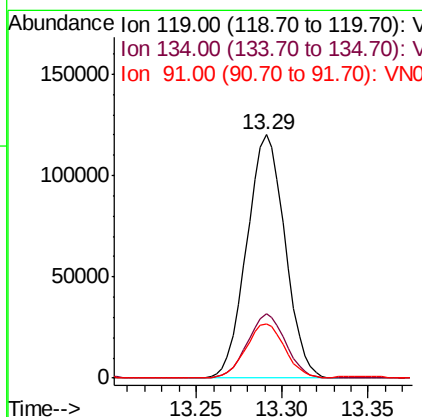
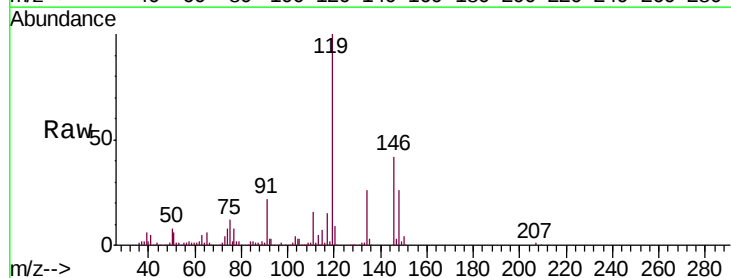
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

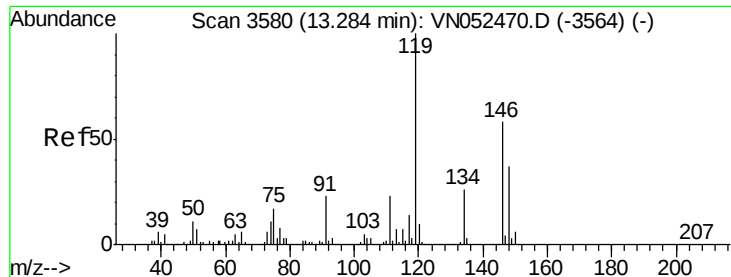
Tgt Ion:105 Resp: 227546
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 4.952 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion:119 Resp: 185288
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.4 40.2
 91 22.9 11.4 34.2

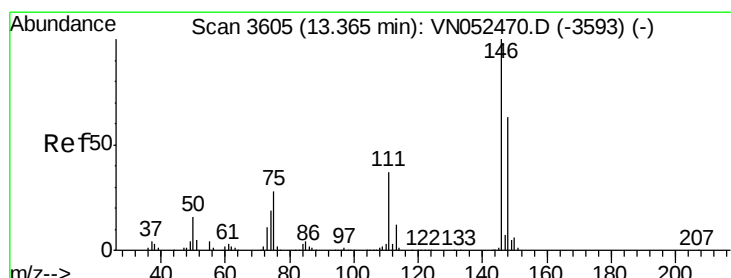
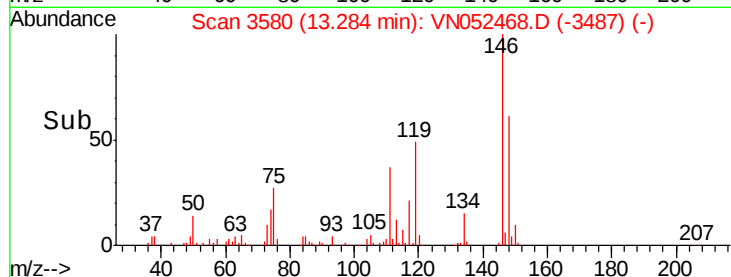
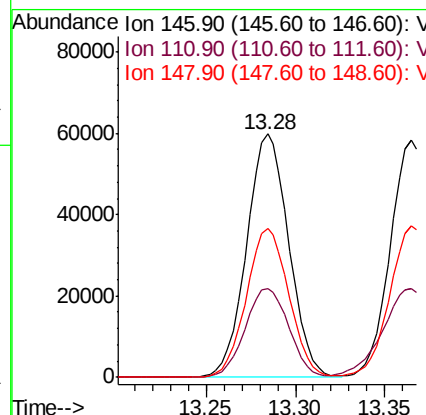
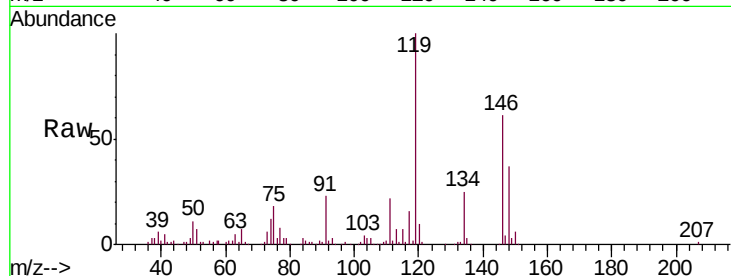




#87
 1,3-Dichlorobenzene
 Concen: 5.037 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

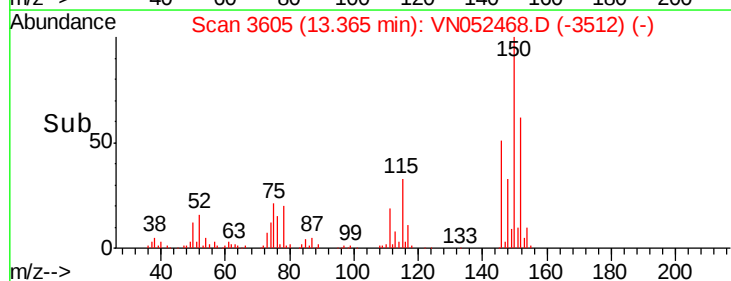
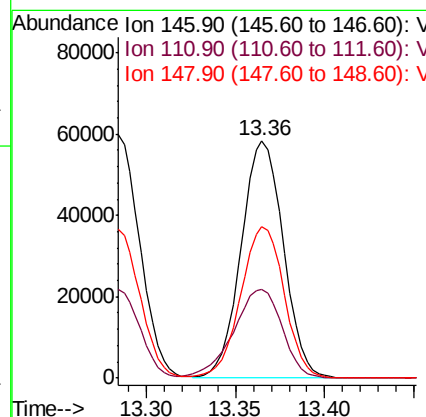
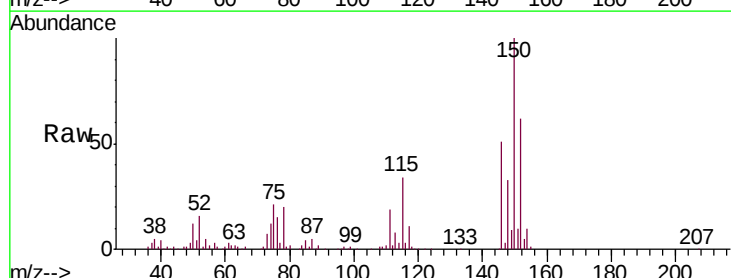
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion:146 Resp: 98804
 Ion Ratio Lower Upper
 146 100
 111 37.9 19.4 58.4
 148 61.7 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 4.981 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion:146 Resp: 96225
 Ion Ratio Lower Upper
 146 100
 111 43.2 18.6 56.0
 148 65.9 31.9 95.9





#89

n-Butylbenzene

Concen: 4.729 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

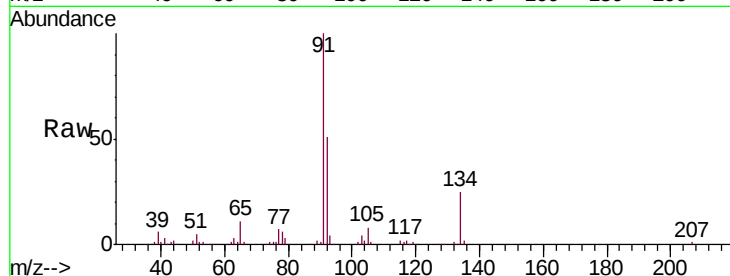
Tgt Ion: 91 Resp: 147151

Ion Ratio Lower Upper

91 100

92 51.8 26.1 78.3

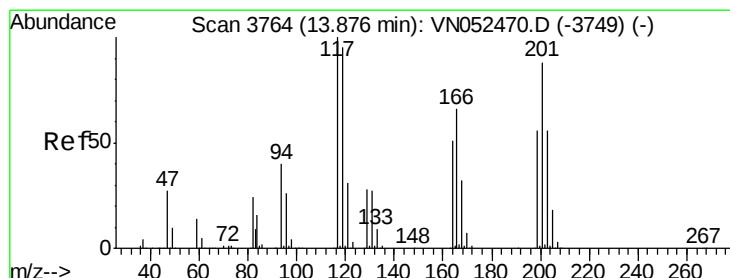
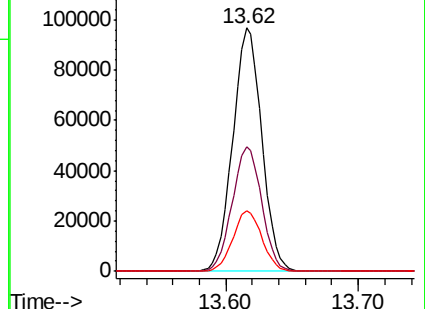
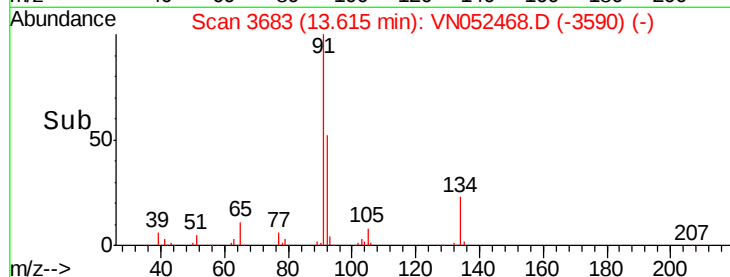
134 24.8 13.0 38.9



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) (-)



#90

Hexachloroethane

Concen: 5.031 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN052468.D

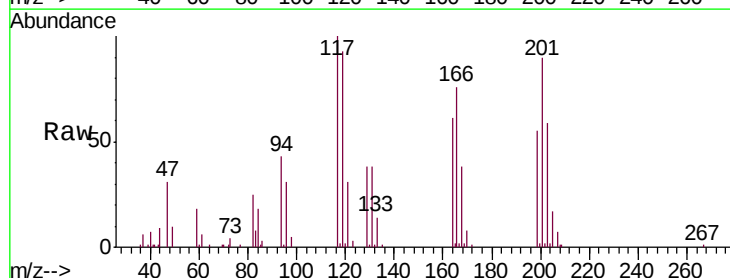
Acq: 27 Nov 2018 9:39

Tgt Ion: 117 Resp: 31873

Ion Ratio Lower Upper

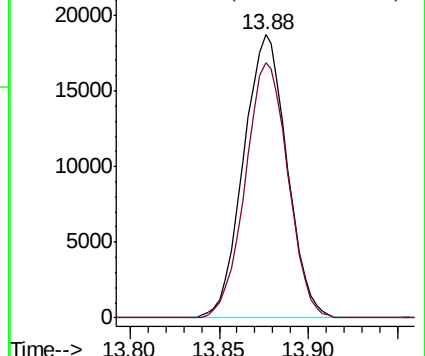
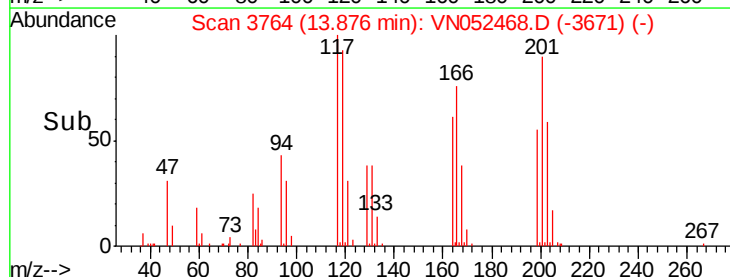
117 100

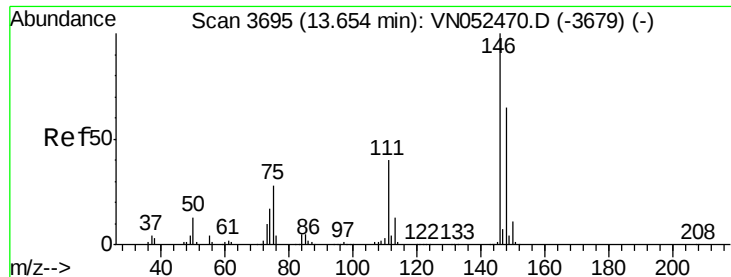
201 88.6 43.6 130.9



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

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

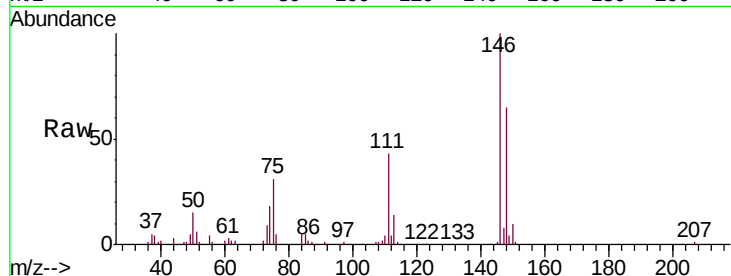




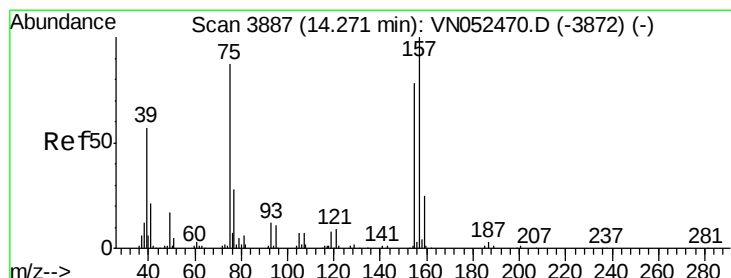
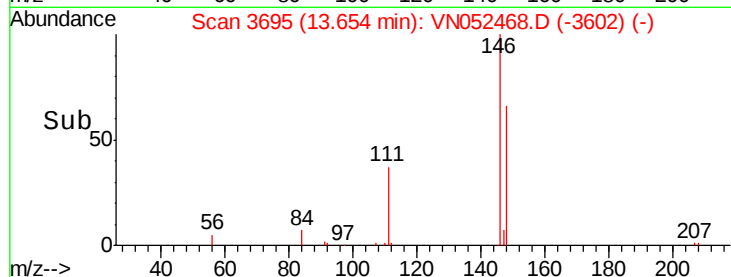
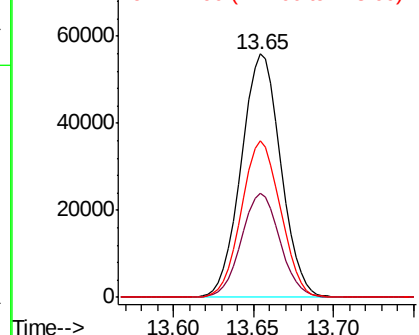
#91
 1,2-Dichlorobenzene
 Concen: 5.035 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.0	60.0
148	63.6	32.0	96.2

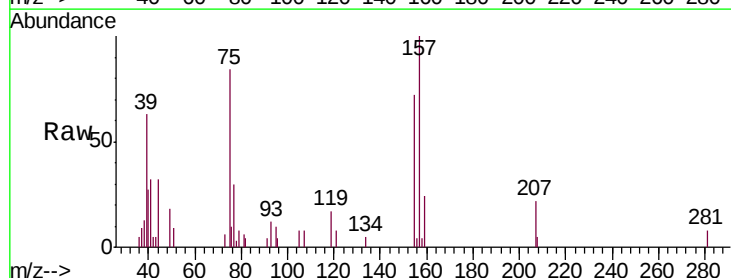


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

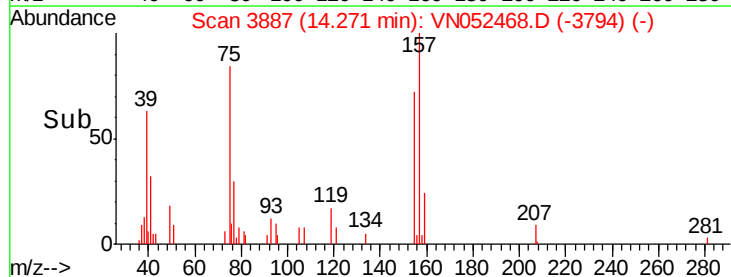
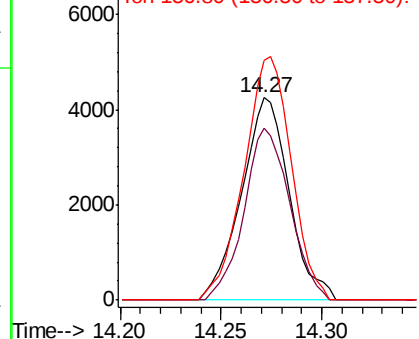


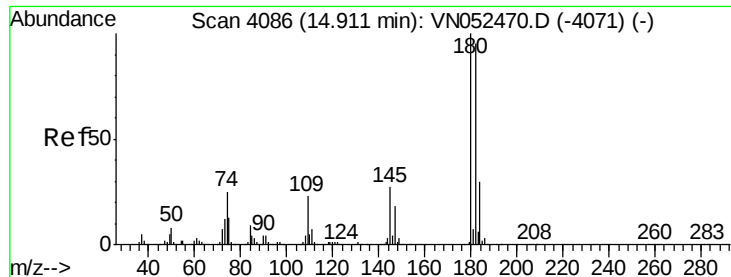
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.773 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	45.3	135.9
157	119.2	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

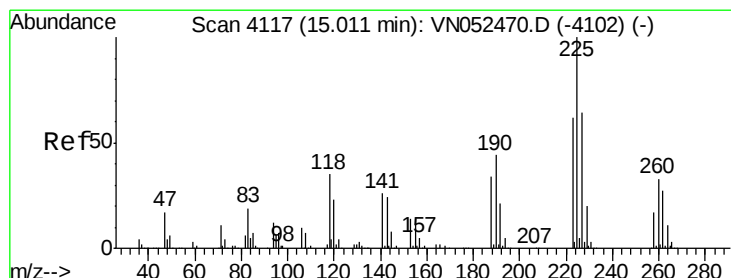
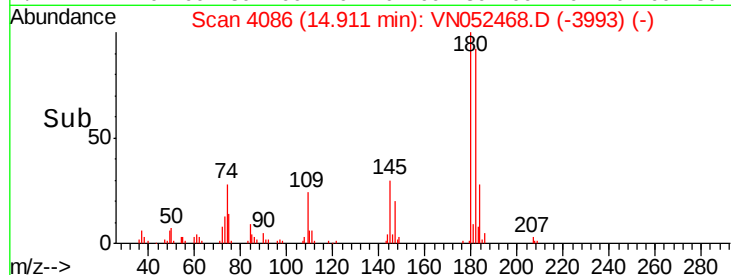
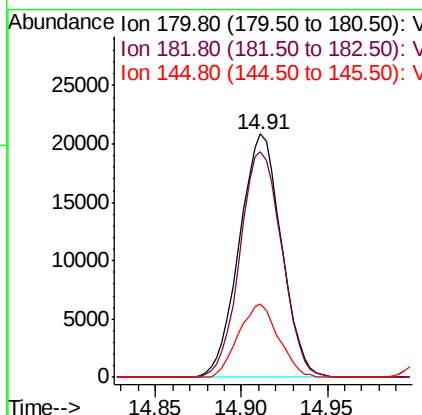
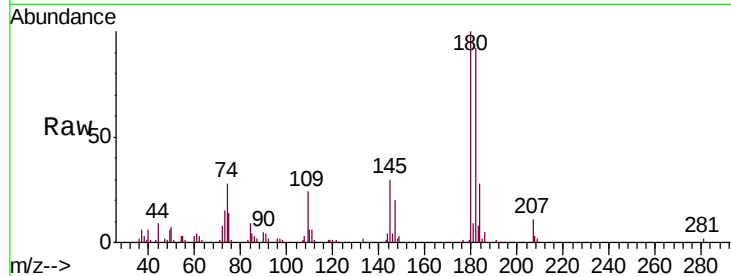




#93
 1,2,4-Trichlorobenzene
 Concen: 3.993 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

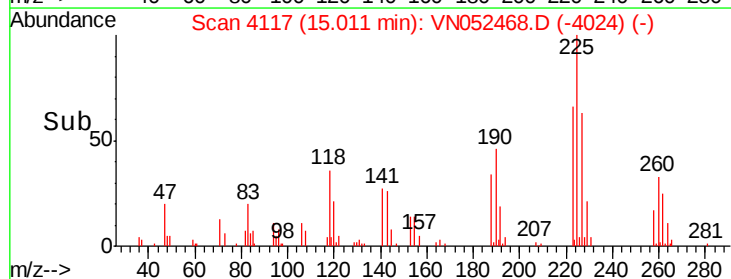
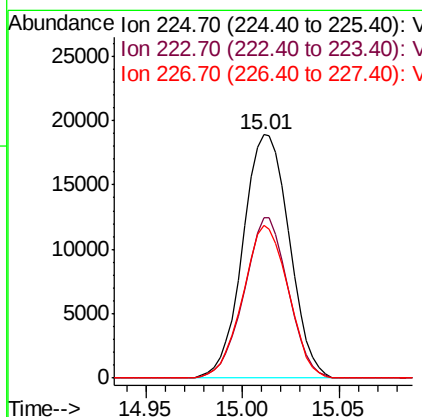
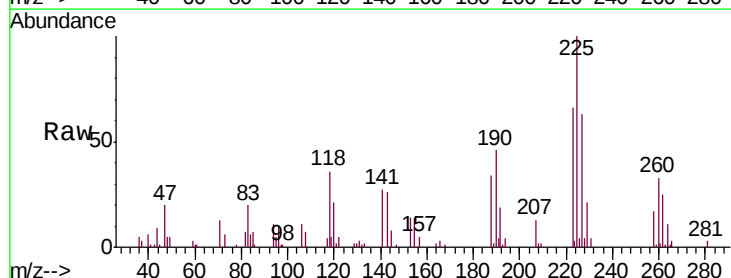
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

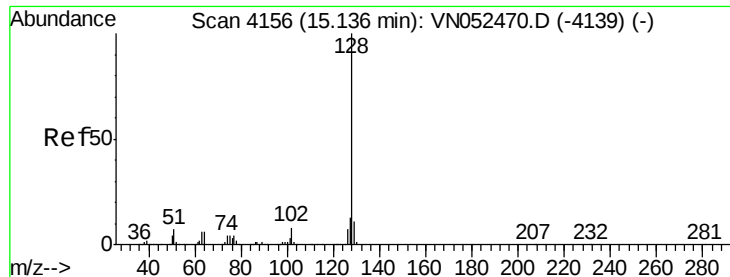
Tgt Ion:180 Resp: 35380
 Ion Ratio Lower Upper
 180 100
 182 92.5 47.8 143.4
 145 28.6 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 5.241 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052468.D
 Acq: 27 Nov 2018 9:39

Tgt Ion:225 Resp: 31592
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.2
 227 61.4 32.5 97.4





#95

Naphthalene

Concen: 3.710 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

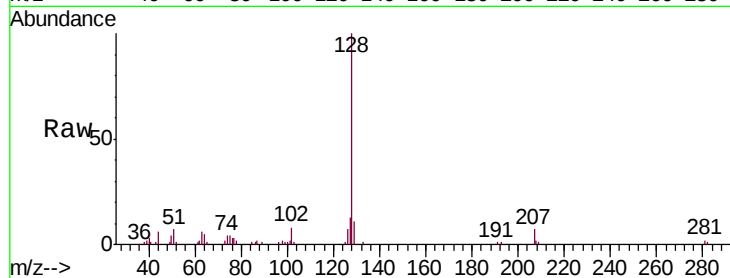
Tgt Ion:128 Resp: 67861

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.2

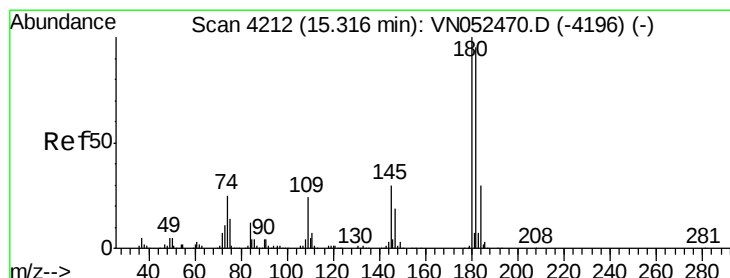
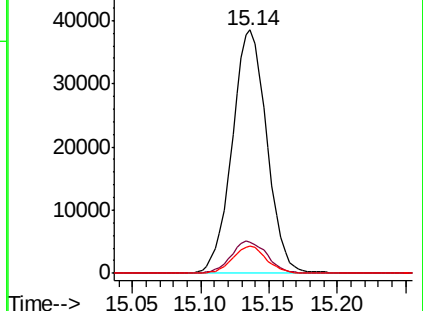
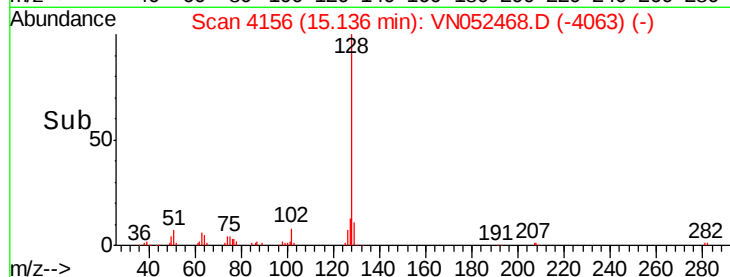
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.011 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN052468.D

Acq: 27 Nov 2018 9:39

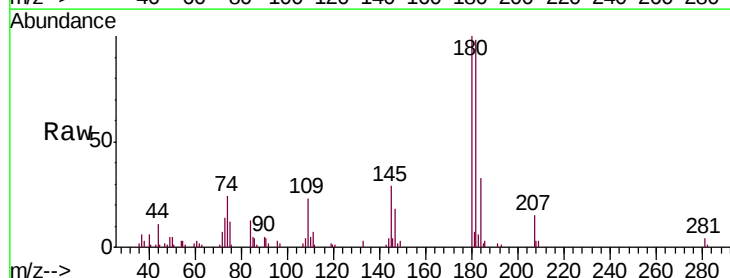
Tgt Ion:180 Resp: 33193

Ion Ratio Lower Upper

180 100

182 96.2 47.8 143.3

145 29.4 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

