

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051478.D
 Acq On : 25 Sep 2018 11:38
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 26 01:31:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	86835	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	466598	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	391187	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	184743	30.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.03%
60) 4-Bromofluorobenzene	12.40	95	159055	27.69	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.30%
63) Toluene-d8	10.09	98	575498	30.68	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	32145	8.643	ug/l 98
3) Chloromethane	2.06	50	48785	7.629	ug/l 95
4) Vinyl Chloride	2.18	62	50637	7.422	ug/l 98
5) Bromomethane	2.57	94	35668	7.998	ug/l 88
6) Chloroethane	2.70	64	29451	7.003	ug/l 93
7) Trichlorofluoromethane	3.02	101	63517	7.172	ug/l 93
8) Diethyl Ether	3.41	74	16652	6.254	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	17082	3.798	ug/l # 1
10) 1,1-Dichloroethene	3.73	96	28140	6.869	ug/l 89
11) Methyl Iodide	3.96	142	31412	5.200	ug/l 96
12) Methyl Acetate	4.33	43	25266	7.017	ug/l # 84
13) Acrolein	3.61	56	13789	28.720	ug/l 87
14) Acrylonitrile	4.99	53	43962	30.058	ug/l # 61
15) Acetone	3.82	58	12978	36.028	ug/l 84
16) Carbon Disulfide	4.06	76	94994	7.311	ug/l 98
17) Allyl chloride	4.32	41	46208	6.390	ug/l 97
18) Methylene Chloride	4.55	84	33771	6.903	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	29091	6.560	ug/l 99
20) Diisopropyl ether	5.95	45	85509	5.955	ug/l 91
21) 1,1-Dichloroethane	5.85	63	57997	6.705	ug/l 95
22) cis-1,2-Dichloroethene	6.83	96	31876	6.424	ug/l 95
23) tert-Butyl Alcohol	4.80	59	8560	31.079	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	68793	6.166	ug/l 98
25) Chloroform	7.37	83	56883	6.594	ug/l 89
26) Cyclohexane	7.66	56	41882	5.688	ug/l # 92
29) 1,1-Dichloropropene	7.79	75	39954	6.081	ug/l 99
30) 2-Butanone	6.85	43	53977	31.807	ug/l # 55
31) 2,2-Dichloropropane	6.82	77	23426	3.343	ug/l # 27
32) 1,1,1-Trichloroethane	7.57	97	47989	6.398	ug/l 99
33) Carbon Tetrachloride	7.78	117	44369	6.447	ug/l 95
34) Benzene	8.04	78	126028	6.461	ug/l 94
35) Methacrylonitrile	7.18	41	9578	3.917	ug/l 82
36) 1,2-Dichloroethane	8.13	62	41792	6.580	ug/l 100
37) Trichloroethene	8.84	130	34012	6.579	ug/l 97
38) Methylcyclohexane	9.08	83	42959	5.641	ug/l 97
39) 1,2-Dichloropropane	9.12	63	34140	6.434	ug/l 95
40) Dibromomethane	9.21	93	19377	6.416	ug/l 99

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 26 01:31:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	41556	6.259	ug/l	97
42) Vinyl Acetate	5.90	43	260131	27.567	ug/l	100
43) Ethyl Acetate	6.93	43	16703	4.730	ug/l #	92
44) Isopropyl Acetate	8.17	43	40388	5.947	ug/l	99
45) 1,4-Dioxane	9.20	88	4706	113.905	ug/l	93
46) Methyl methacrylate	9.20	41	17850	5.308	ug/l	97
47) n-amyl Acetate	12.07	43	23990	4.421	ug/l #	75
48) t-1,3-Dichloropropene	10.38	75	37405	5.673	ug/l	96
49) cis-1,3-Dichloropropene	9.84	75	43656	5.720	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	28000	6.484	ug/l	96
51) Ethyl methacrylate	10.43	69	25649	5.019	ug/l	94
52) 1,3-Dichloropropane	10.71	76	44893	6.163	ug/l	96
53) Dibromochloromethane	10.90	129	29022	5.843	ug/l	95
54) 1,2-Dibromoethane	11.01	107	25275	6.066	ug/l	94
55) 2-Chloroethyl vinyl ether	9.70	63	62566	24.793	ug/l	99
56) Bromoform	12.13	173	18934	5.654	ug/l	94
58) 4-Methyl-2-Pentanone	9.99	43	100405	29.206	ug/l	97
59) 2-Hexanone	10.75	43	65537	28.965	ug/l	98
61) Tetrachloroethene	10.63	164	29576	6.499	ug/l	96
62) Toluene	10.16	91	128557	6.419	ug/l	98
64) Chlorobenzene	11.43	112	76725	6.249	ug/l	94
65) 1,1,1,2-Tetrachloroethane	11.51	131	30512	6.428	ug/l	99
66) Ethyl Benzene	11.51	91	116739	5.651	ug/l	97
67) m/p-Xylenes	11.62	106	87295	10.976	ug/l	98
68) o-Xylene	11.95	106	42214	5.573	ug/l	96
69) Styrene	11.96	104	61573	5.146	ug/l	99
70) Isopropylbenzene	12.25	105	110060	5.429	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	30592	6.410	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	33191	8.820	ug/l	75
73) Bromobenzene	12.53	156	29958	5.863	ug/l	95
74) n-propylbenzene	12.59	91	122998	5.219	ug/l	99
75) 2-Chlorotoluene	12.68	91	79101	5.687	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	86576	5.175	ug/l	96
77) t-1,4-Dichloro-2-butene	12.30	75	6125	4.719	ug/l	86
78) 4-Chlorotoluene	12.77	91	74108	5.372	ug/l	98
79) tert-butylbenzene	12.99	119	79030	5.426	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	85307	5.073	ug/l	100
81) sec-Butylbenzene	13.17	105	104636	5.223	ug/l	99
82) p-Isopropyltoluene	13.29	119	83798	4.845	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	49075	5.476	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	43301	5.145	ug/l	97
85) n-Butylbenzene	13.61	91	60458	4.257	ug/l	98
86) Hexachloroethane	13.87	117	21373	6.167	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	47519	5.593	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	4291	6.092	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	14476	3.421	ug/l	97
90) Hexachlorobutadiene	15.01	225	20492	6.248	ug/l	98
91) Naphthalene	15.13	128	26133	3.273	ug/l #	92
92) 1,2,3-Trichlorobenzene	15.32	180	18243	4.271	ug/l	94

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Data File : VN051478.D
Acq On : 25 Sep 2018 11:38
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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Sep 26 01:31:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 26 01:19:41 2018
Response via : Initial Calibration

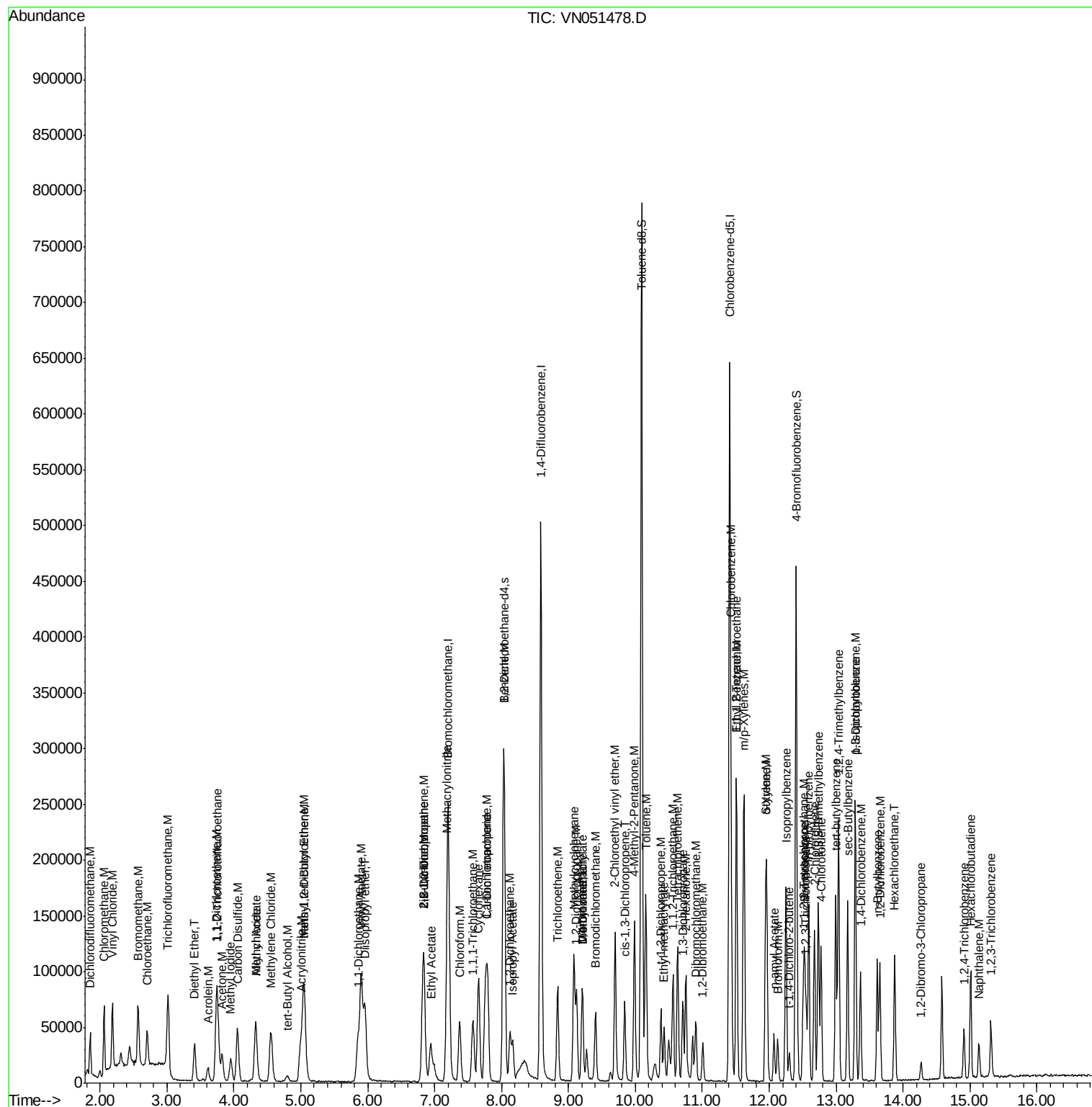
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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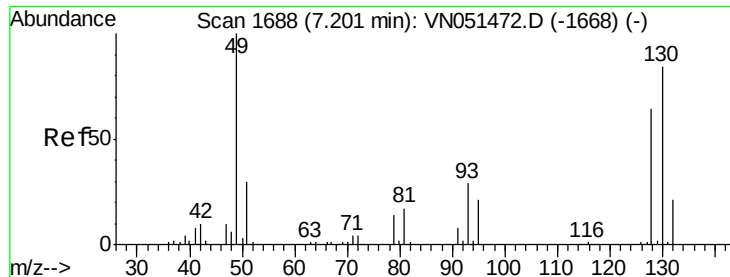
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092518\
 Data File : VN051478.D
 Acq On : 25 Sep 2018 11:38
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 26 01:31:19 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 26 01:19:41 2018
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

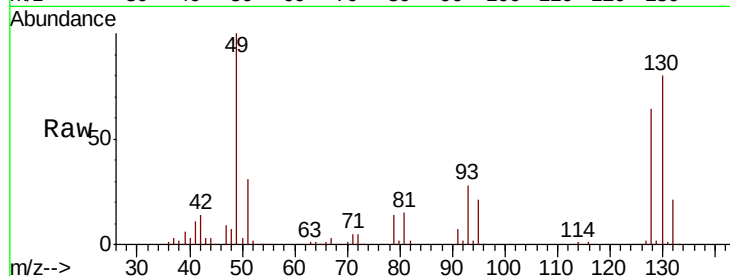
Tot Ion:128 Resp: 86835

Ion Ratio Lower Upper

128 100

49 167.9 0.0 403.3

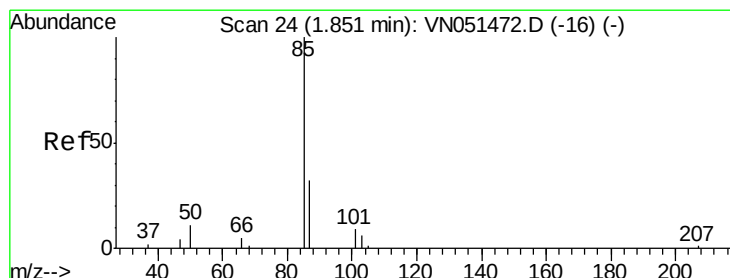
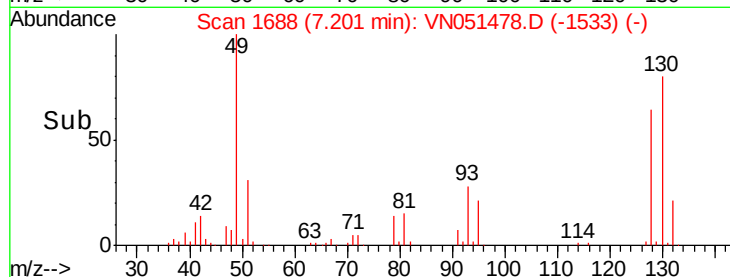
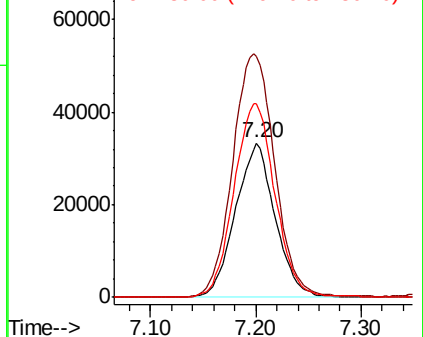
130 130.1 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.643 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN051478.D

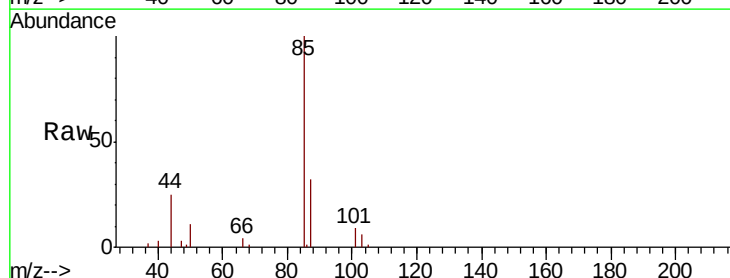
Acq: 25 Sep 2018 11:38

Tgt Ion: 85 Resp: 32145

Ion Ratio Lower Upper

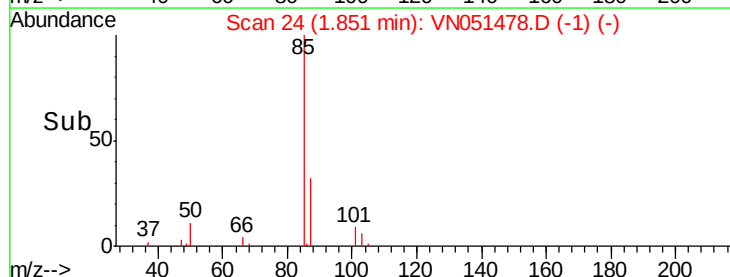
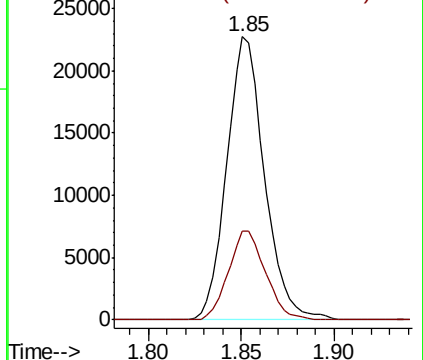
85 100

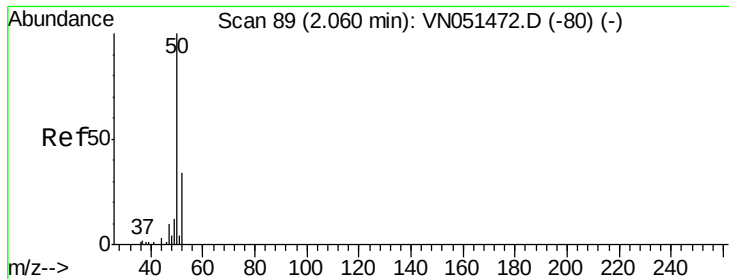
87 31.5 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 7.629 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

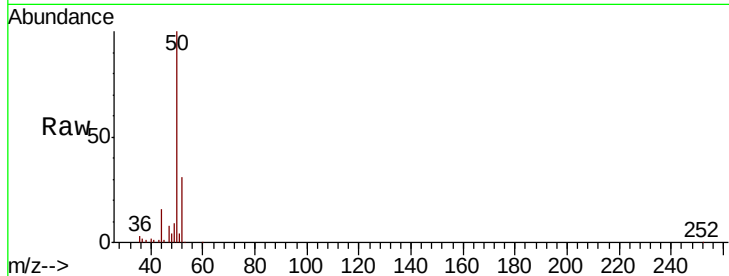
VSTDIC005

Tot Ion: 50 Resp: 48785

Ion Ratio Lower Upper

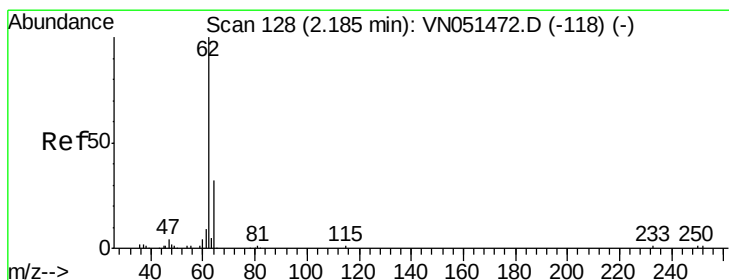
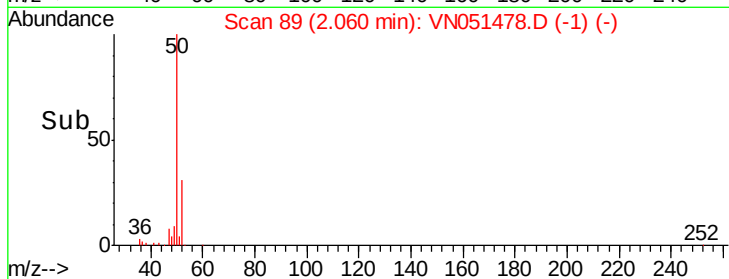
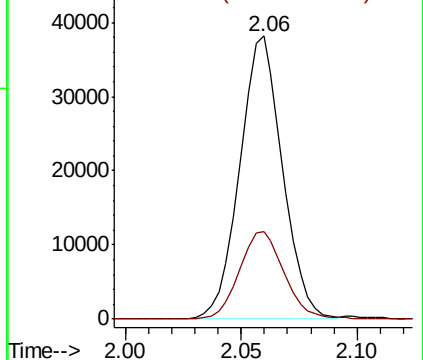
50 100

52 31.1 27.2 40.8



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 7.422 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051478.D

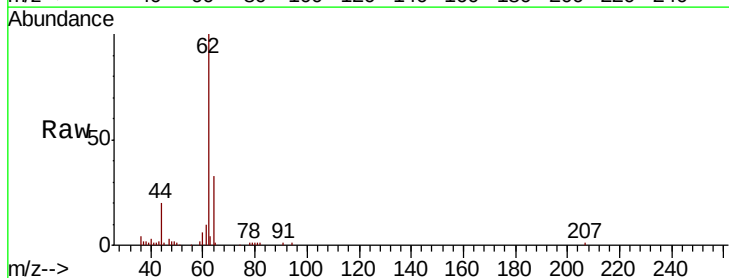
Acq: 25 Sep 2018 11:38

Tgt Ion: 62 Resp: 50637

Ion Ratio Lower Upper

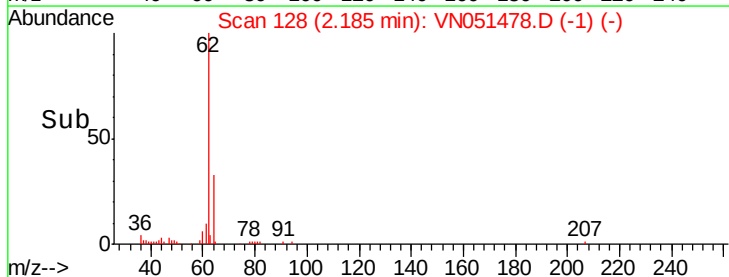
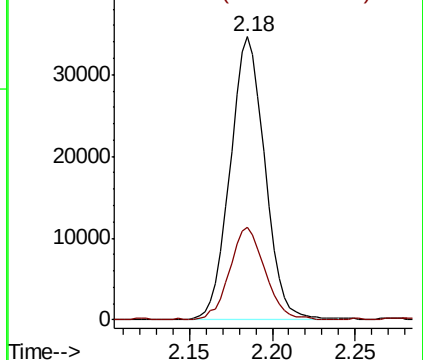
62 100

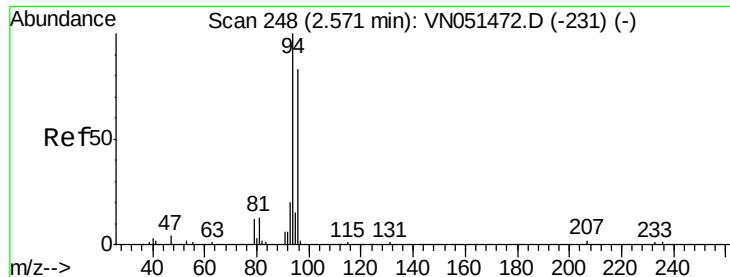
64 32.9 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 7.998 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

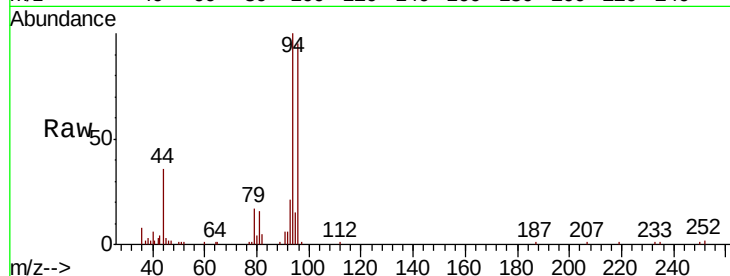
VSTDIC005

Tot Ion: 94 Resp: 35668

Ion Ratio Lower Upper

94 100

96 94.2 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

20000

15000

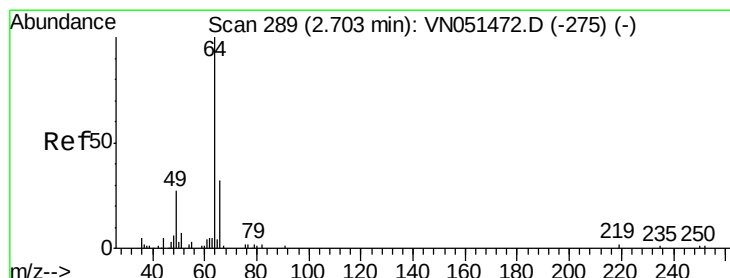
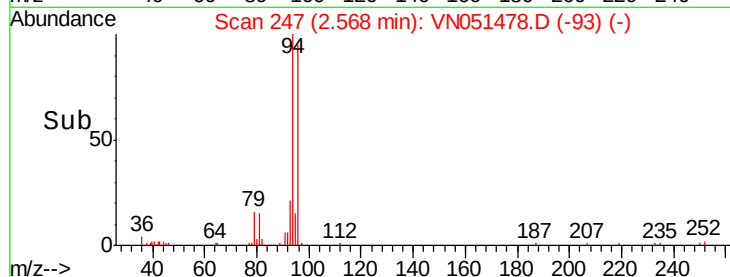
10000

5000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 7.003 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051478.D

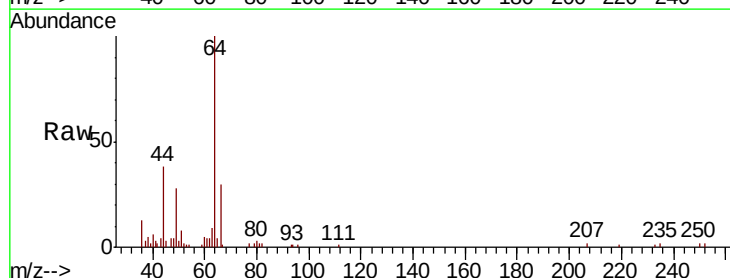
Acq: 25 Sep 2018 11:38

Tgt Ion: 64 Resp: 29451

Ion Ratio Lower Upper

64 100

66 28.5 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

15000

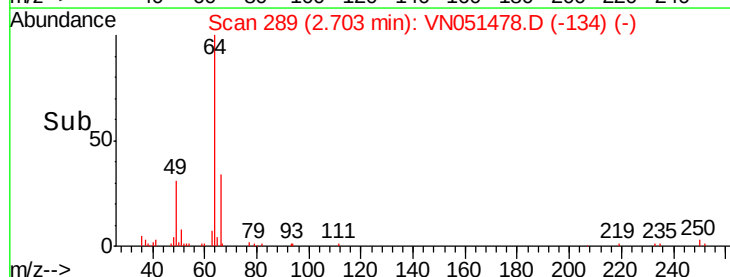
10000

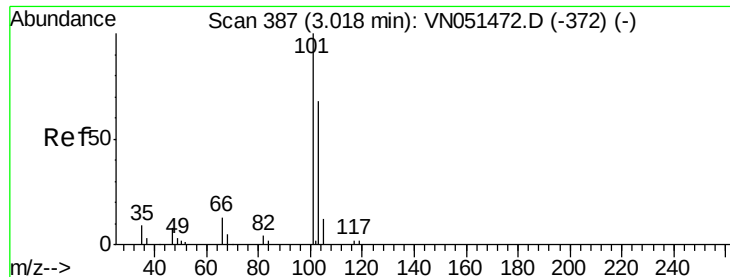
5000

0

2.65 2.70 2.75

Time-->



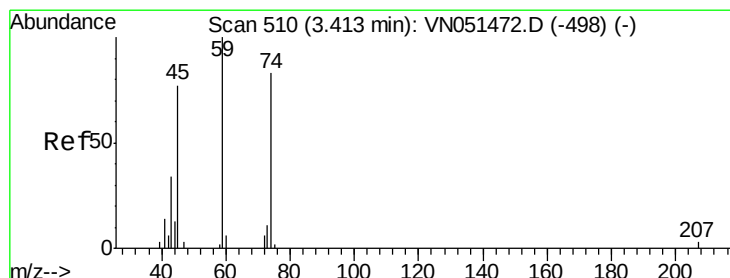
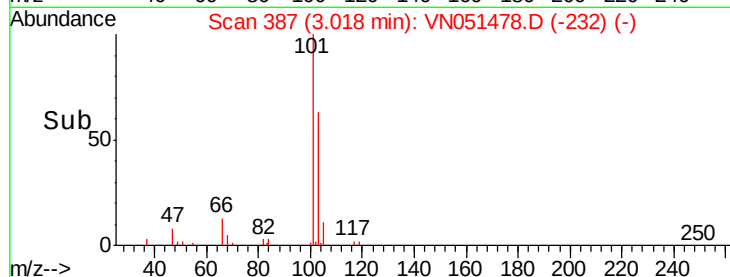
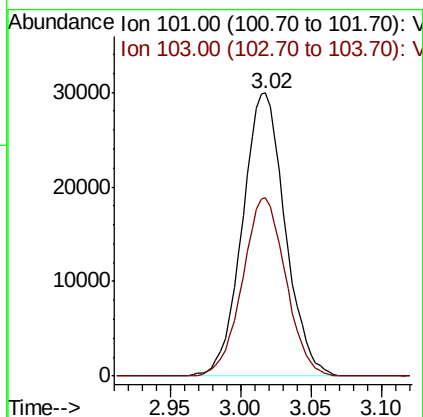
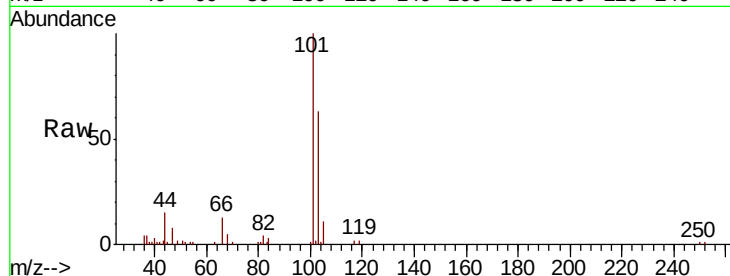


#7

Trichlorofluoromethane
 Concen: 7.172 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

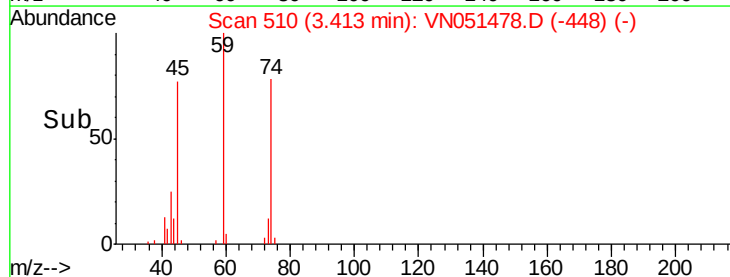
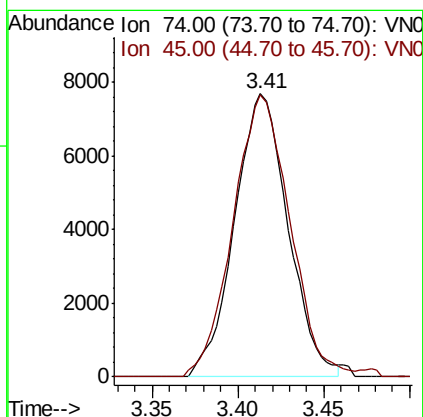
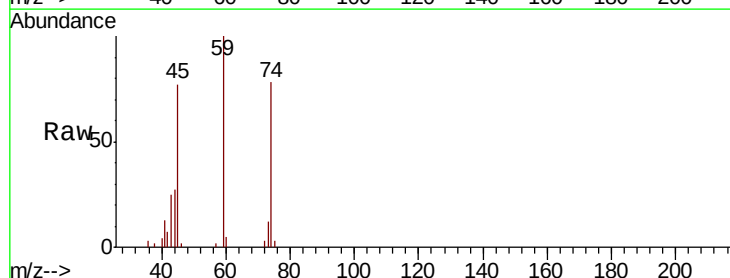
Tot Ion:101 Resp: 63517
 Ion Ratio Lower Upper
 101 100
 103 63.2 54.8 82.2

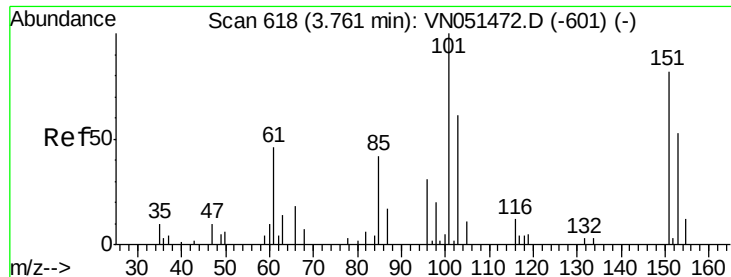


#8

Diethyl Ether
 Concen: 6.254 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion: 74 Resp: 16652
 Ion Ratio Lower Upper
 74 100
 45 105.8 20.7 186.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.798 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.01 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

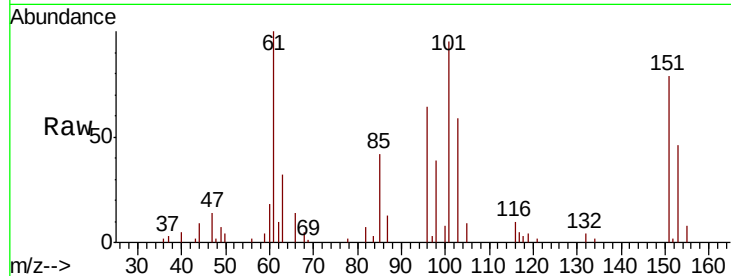
Tot Ion:101 Resp: 17082

Ion Ratio Lower Upper

101 100

85 81.5 0.0 46.0#

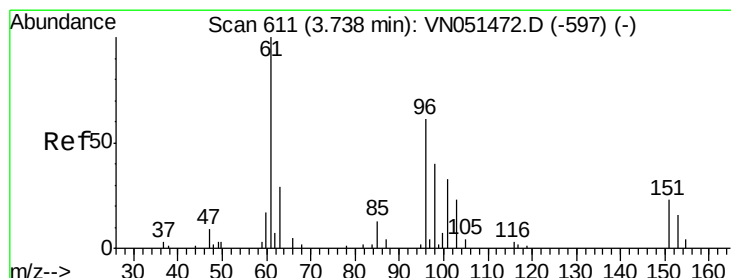
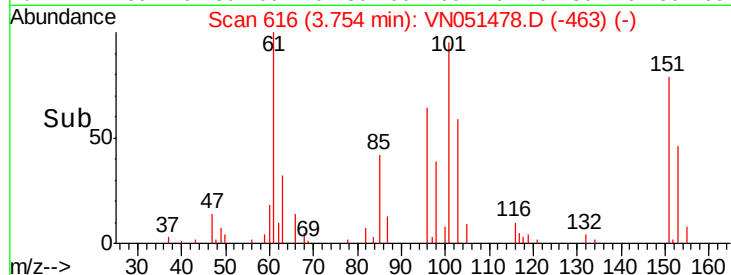
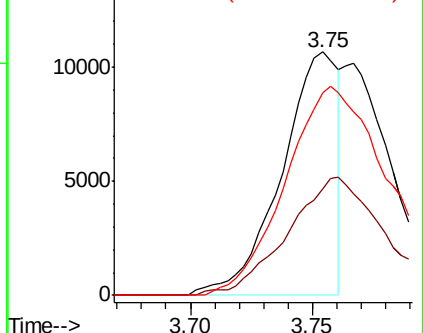
151 155.7 0.0 82.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 6.869 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

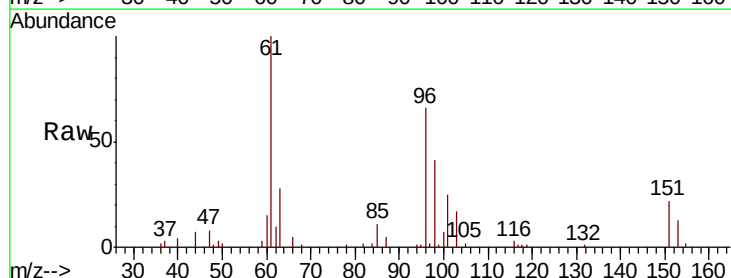
Tgt Ion: 96 Resp: 28140

Ion Ratio Lower Upper

96 100

61 149.1 133.0 199.6

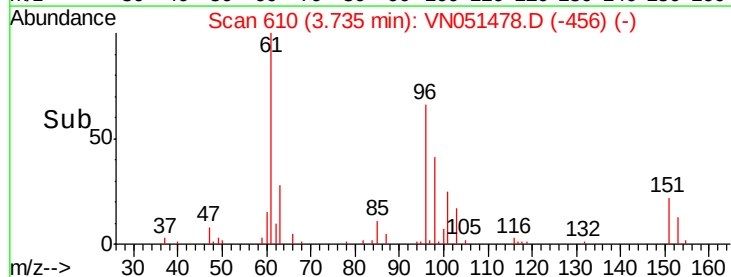
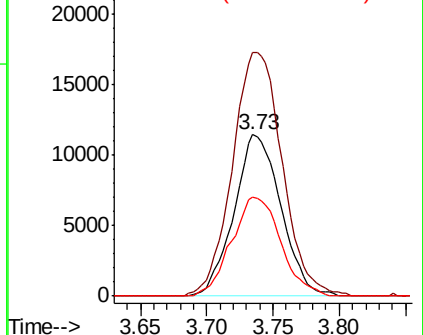
98 61.6 52.6 78.8

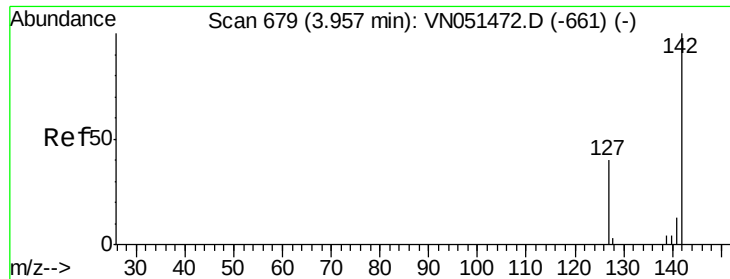


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

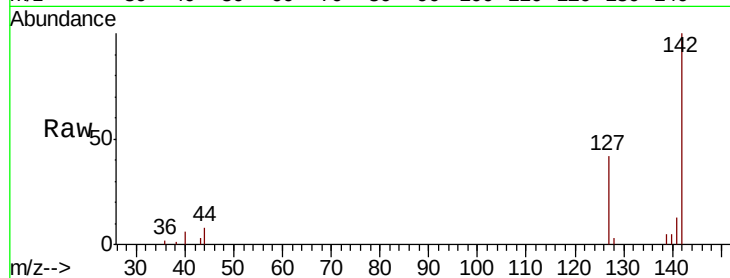




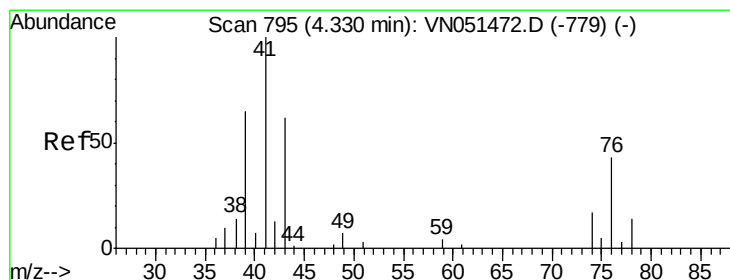
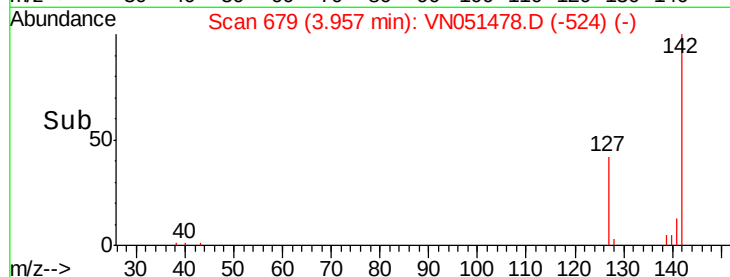
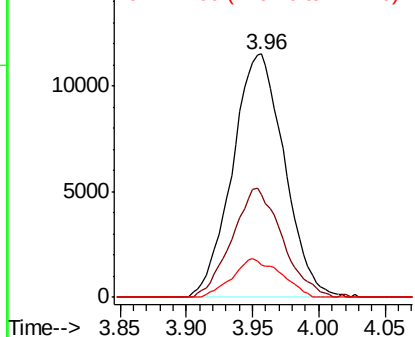
#11
Methvl Iodide
Concen: 5.200 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:142 Resp: 31412
Ion Ratio Lower Upper
142 100
127 42.4 19.7 59.0
141 12.7 6.3 18.9

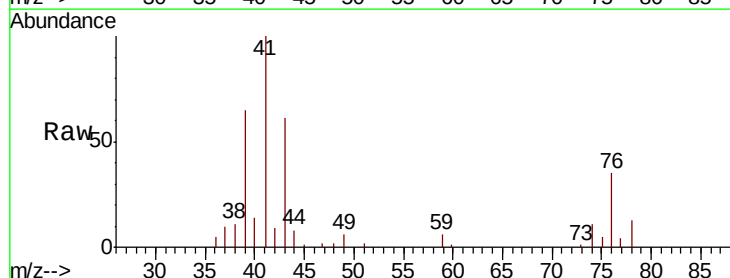


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

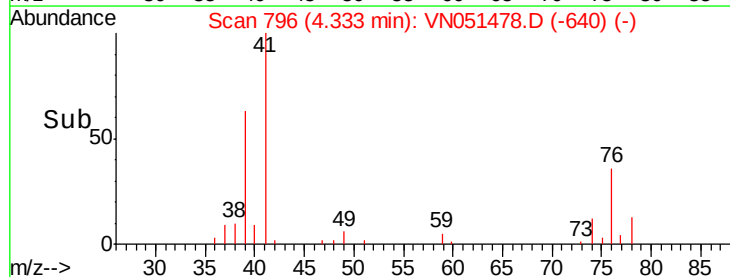
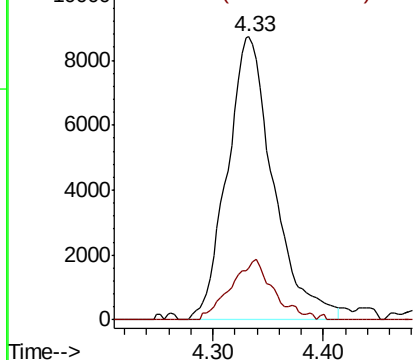


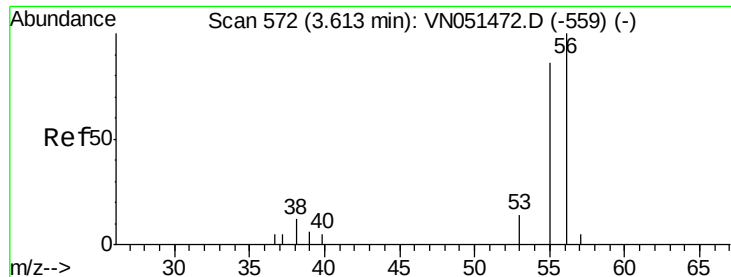
#12
Methyl Acetate
Concen: 7.017 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion: 43 Resp: 25266
Ion Ratio Lower Upper
43 100
74 18.7 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





#13

Acrolein

Concen: 28.720 ug/l

RT: 3.61 min Scan# 572

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

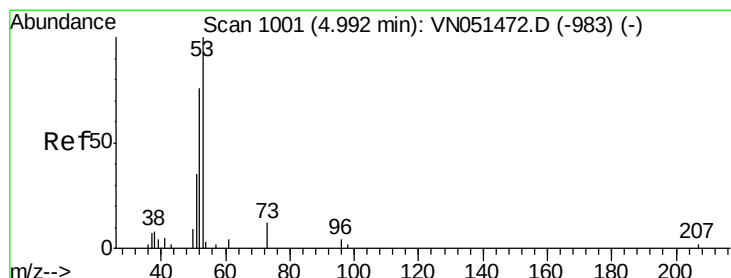
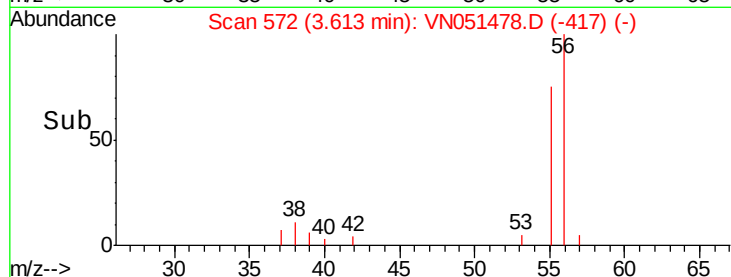
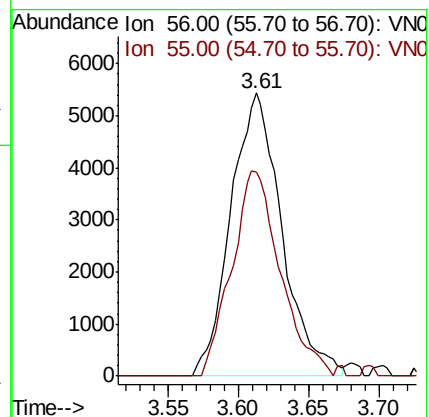
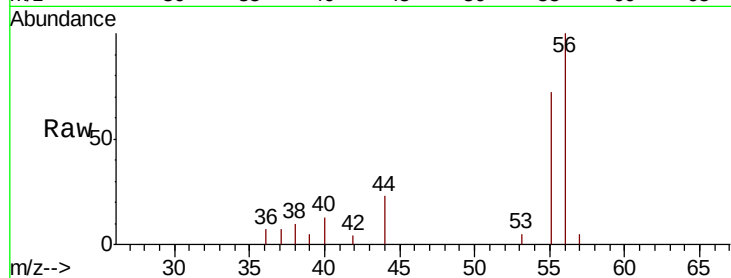
VSTDIC005

Tot Ion: 56 Resp: 13789

Ion Ratio Lower Upper

56 100

55 68.9 64.0 96.0



#14

Acrylonitrile

Concen: 30.058 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

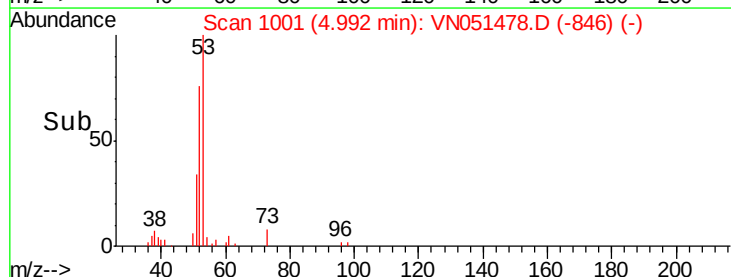
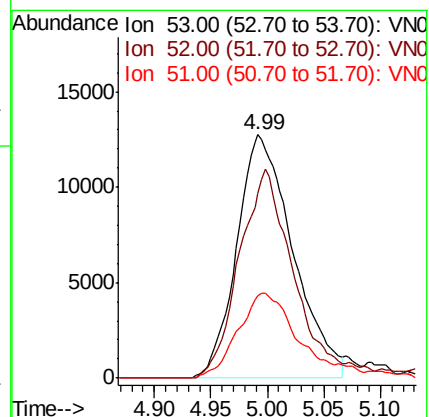
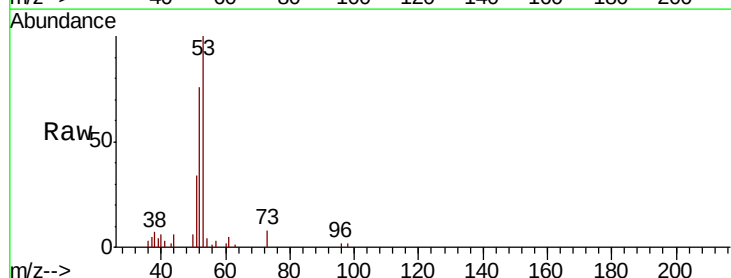
Tgt Ion: 53 Resp: 43962

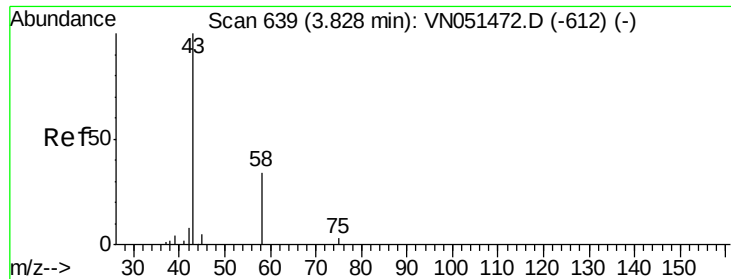
Ion Ratio Lower Upper

53 100

52 80.9 18.3 54.8#

51 35.7 19.7 59.1





#15

Acetone

Concen: 36.028 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.01 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

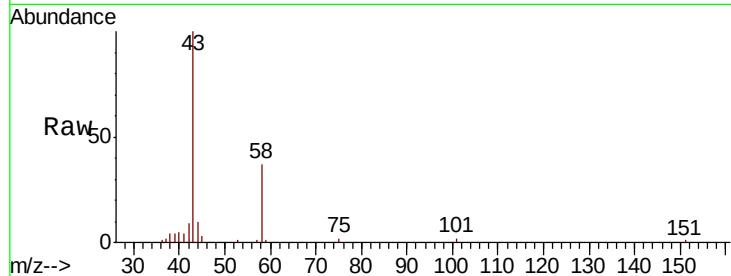
VSTDIC005

Tot Ion: 58 Resp: 12978

Ion Ratio Lower Upper

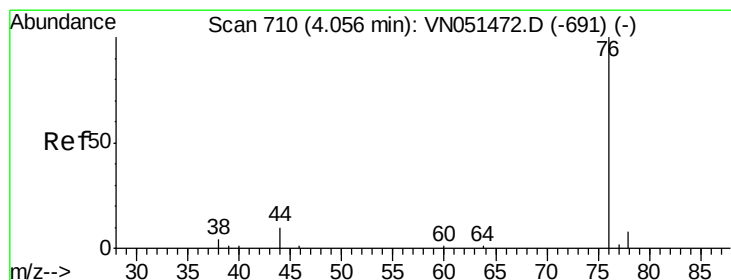
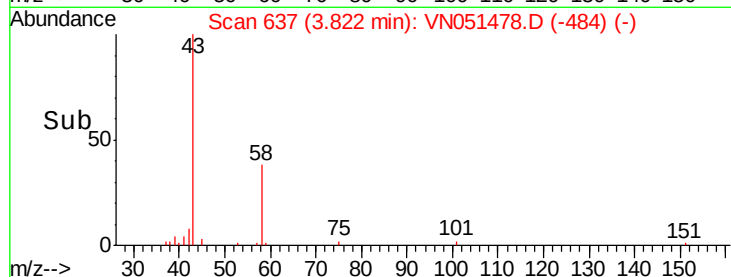
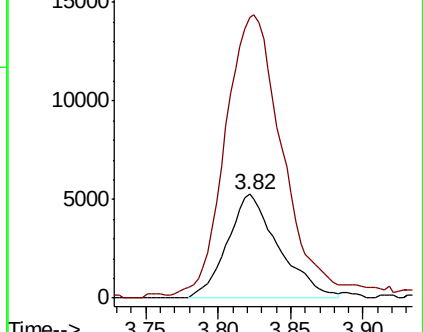
58 100

43 260.4 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN051478.D (-612) (-)

Ion 43.00 (42.70 to 43.70): VN051478.D (-612) (-)



#16

Carbon Disulfide

Concen: 7.311 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN051478.D

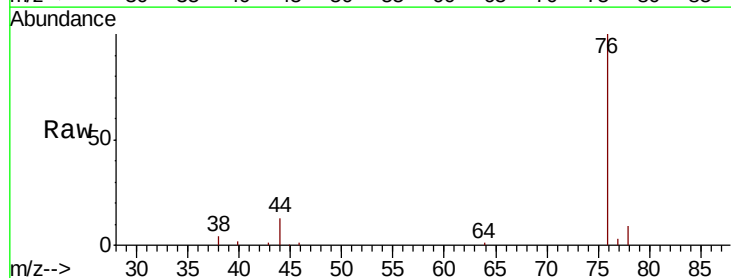
Acq: 25 Sep 2018 11:38

Tgt Ion: 76 Resp: 94994

Ion Ratio Lower Upper

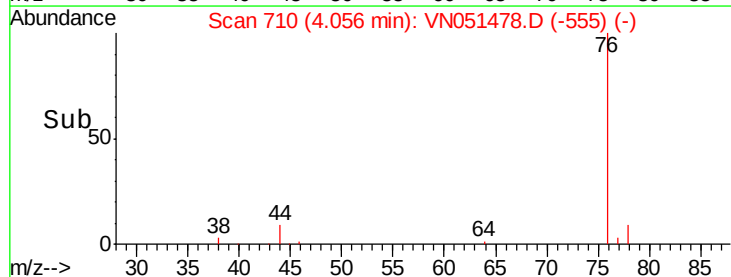
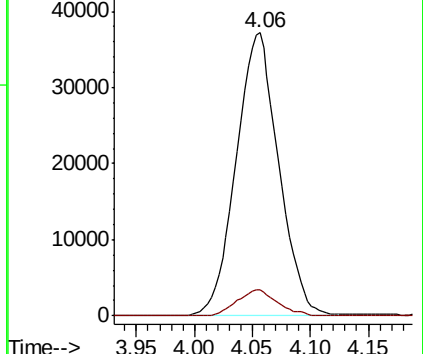
76 100

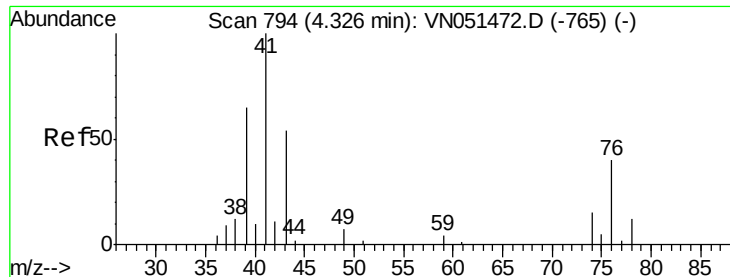
78 9.2 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN051478.D (-691) (-)

Ion 78.00 (77.70 to 78.70): VN051478.D (-691) (-)

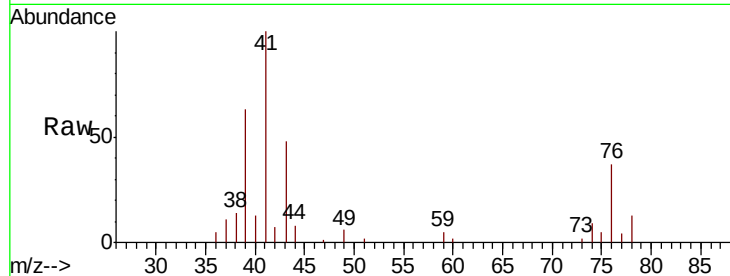




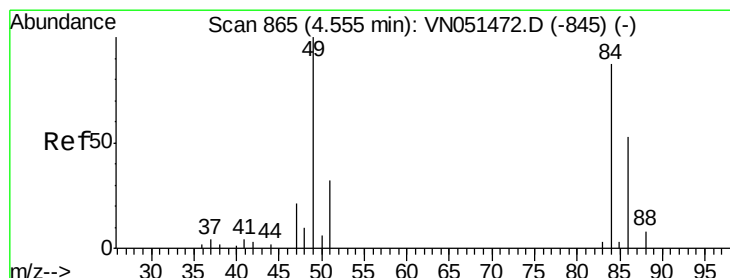
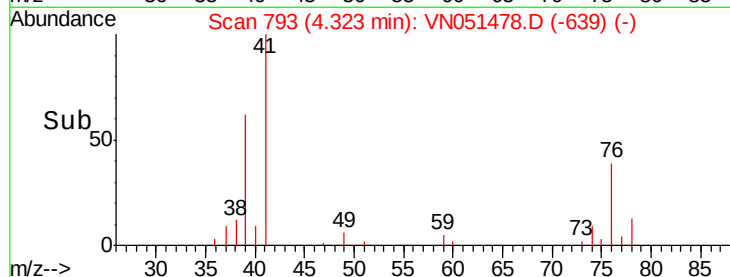
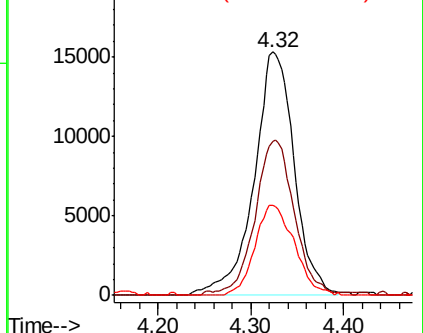
#17
Allvl chloride
Concen: 6.390 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 41 Resp: 46208
Ion Ratio Lower Upper
41 100
39 63.2 32.6 97.8
76 37.2 20.2 60.5

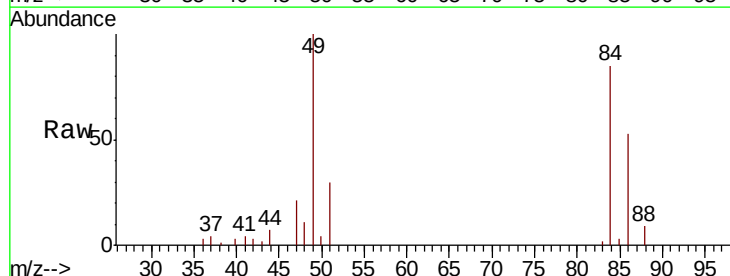


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 76.00 (75.70 to 76.70): VN0

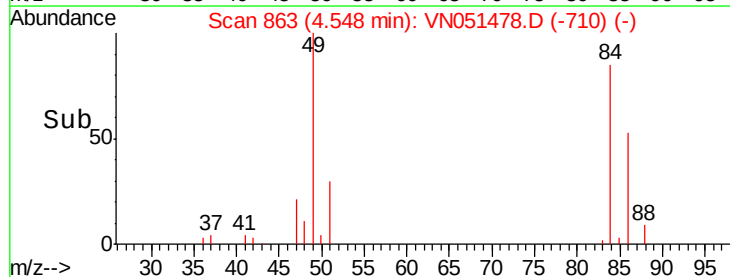
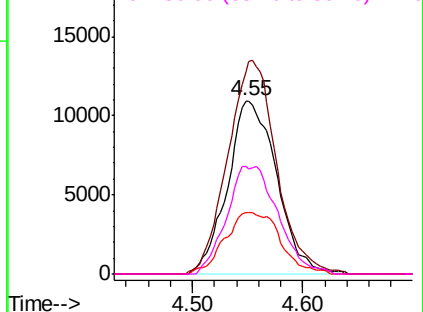


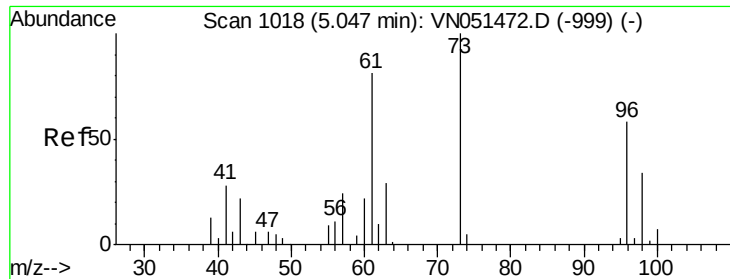
#18
Methylene Chloride
Concen: 6.903 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.01 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion: 84 Resp: 33771
Ion Ratio Lower Upper
84 100
49 115.6 91.6 137.4
51 35.3 29.8 44.6
86 62.1 48.2 72.4



Abundance Ion 84.00 (83.70 to 84.70): VN0
Ion 49.00 (48.70 to 49.70): VN0
Ion 51.00 (50.70 to 51.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#19

trans-1,2-Dichloroethene

Concen: 6.560 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

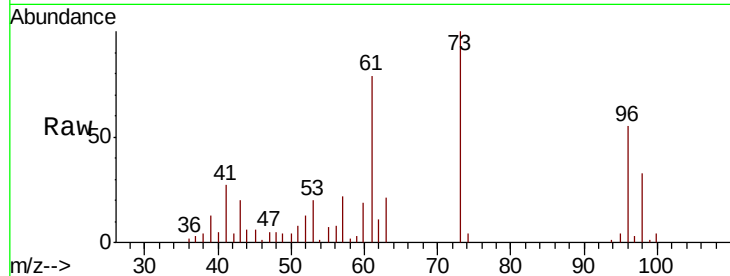
Tot Ion: 96 Resp: 29091

Ion Ratio Lower Upper

96 100

61 141.2 112.3 168.5

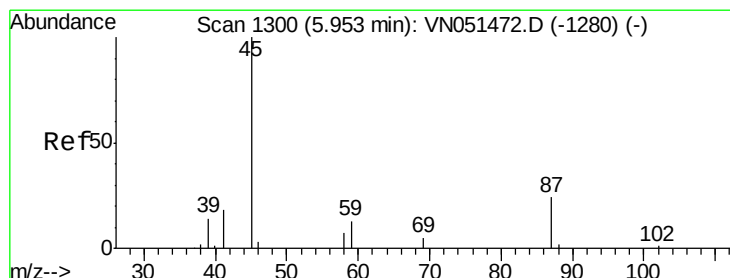
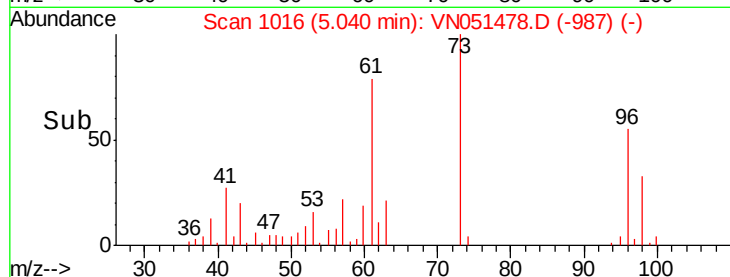
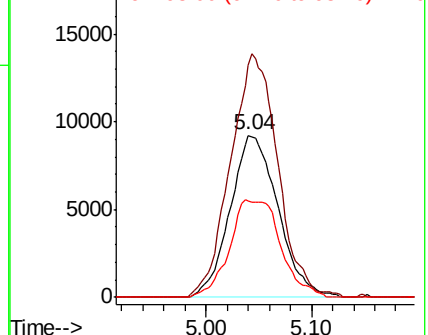
98 59.3 47.1 70.7



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 5.955 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Tgt Ion: 45 Resp: 85509

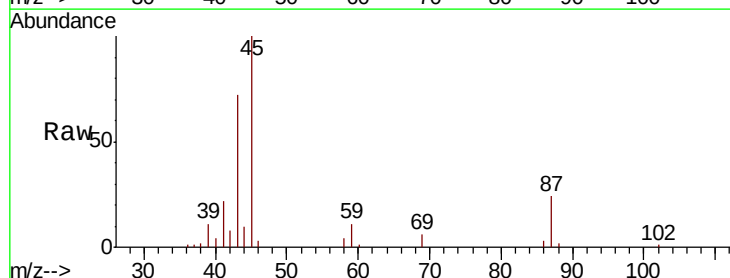
Ion Ratio Lower Upper

45 100

43 66.8 62.1 93.1

87 23.9 19.9 29.9

59 11.0 9.8 14.6

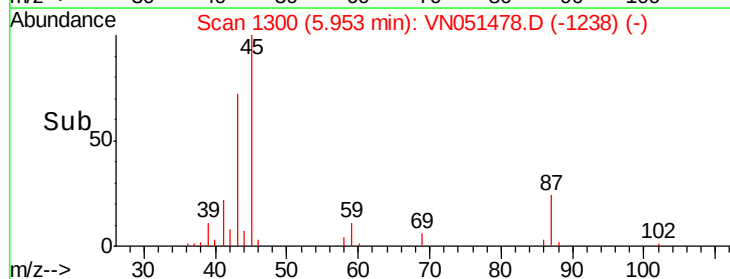
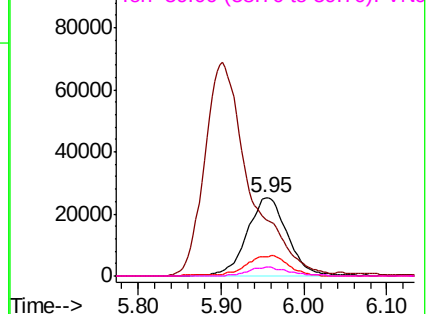


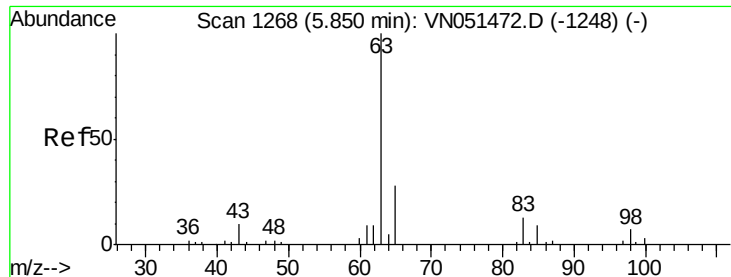
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

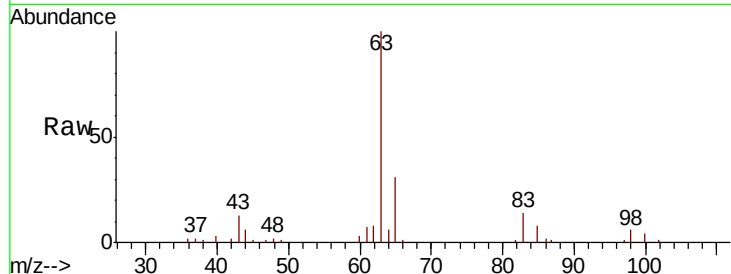




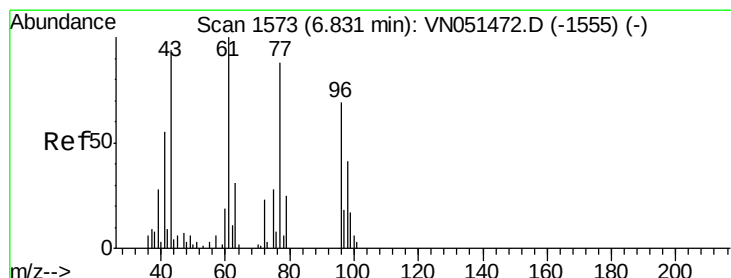
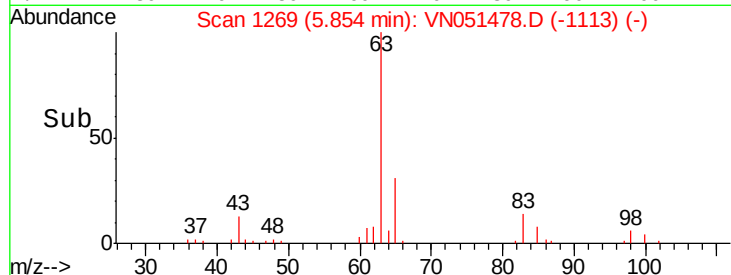
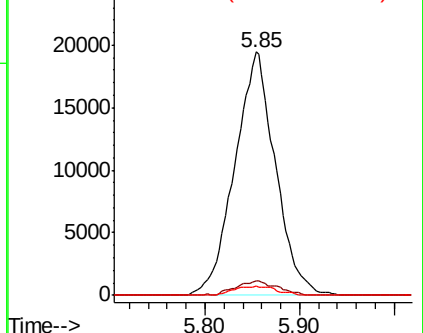
#21
 1,1-Dichloroethane
 Concen: 6.705 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	63	Resp:	57997
Ion	Ratio	Lower	Upper
63	100		
98	5.9	4.1	12.3
100	3.6	1.6	4.7

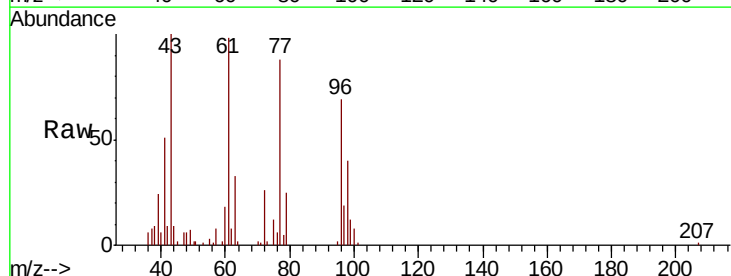


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN
 Ion 100.00 (99.70 to 100.70): VN

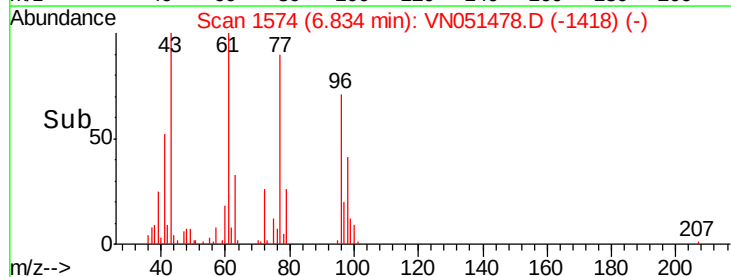
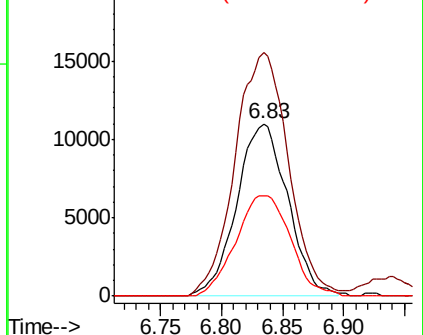


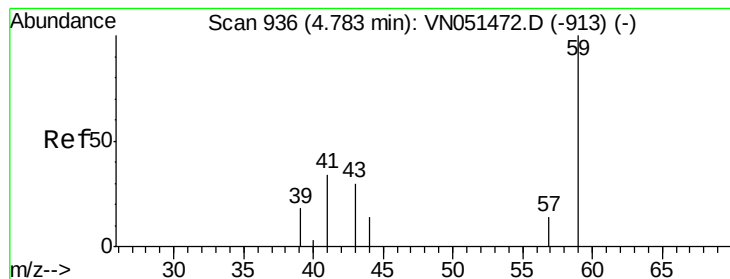
#22
 cis-1,2-Dichloroethene
 Concen: 6.424 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion:	96	Resp:	31876
Ion	Ratio	Lower	Upper
96	100		
61	148.3	124.5	186.7
98	62.6	51.9	77.9



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 31.079 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.01 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

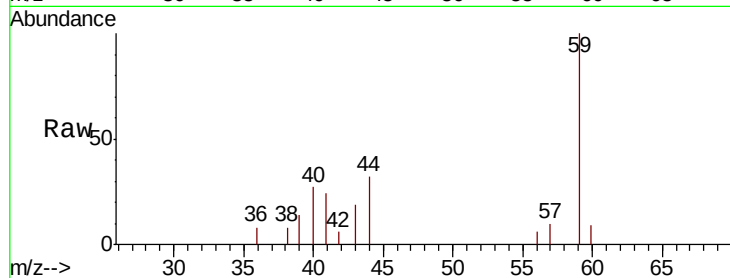
VSTDIC005

Tot Ion: 59 Resp: 8560

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN051478.D (-913) (-)

Ion 52.00 (51.70 to 52.70): VN051478.D (-913) (-)

4.80

2500

2000

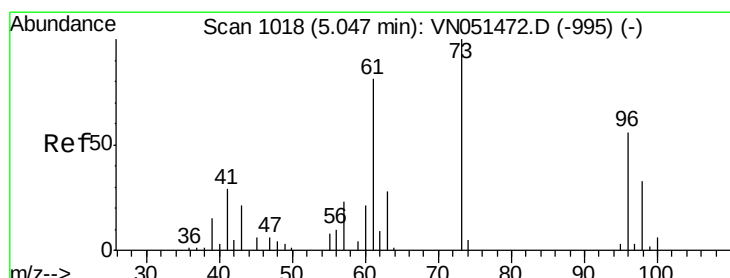
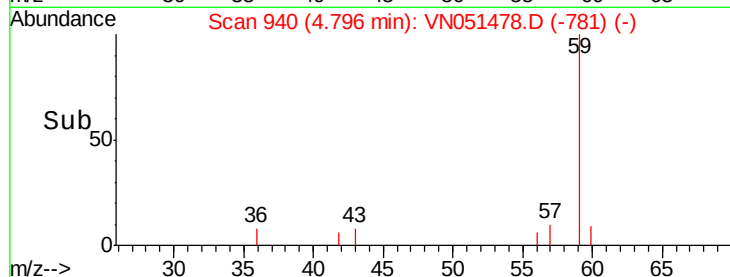
1500

1000

500

0

Time-->



#24

Methyl tert-Butyl Ether

Concen: 6.166 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN051478.D

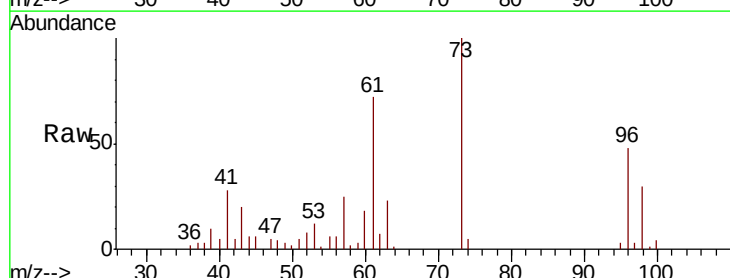
Acq: 25 Sep 2018 11:38

Tgt Ion: 73 Resp: 68793

Ion Ratio Lower Upper

73 100

43 7.5 5.4 8.0



Abundance Ion 73.00 (72.70 to 73.70): VN051478.D (-863) (-)

Ion 43.00 (42.70 to 43.70): VN051478.D (-863) (-)

5.05

20000

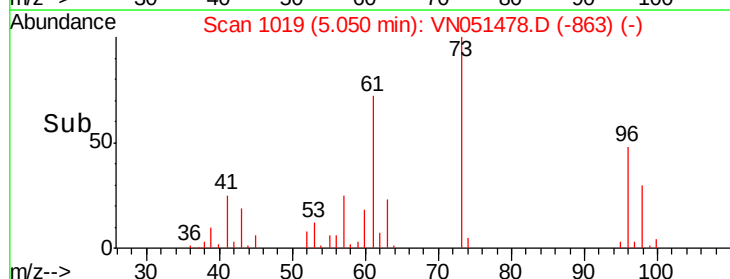
15000

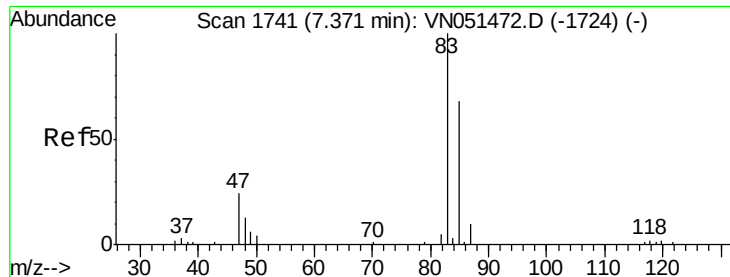
10000

5000

0

Time-->

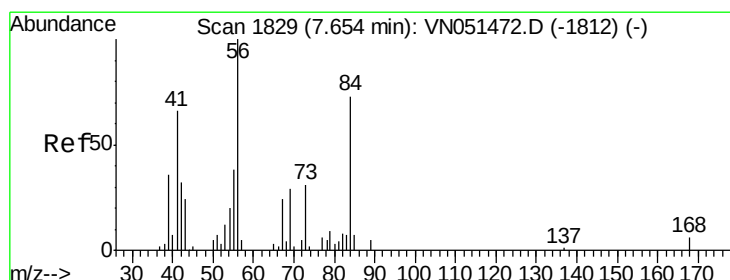
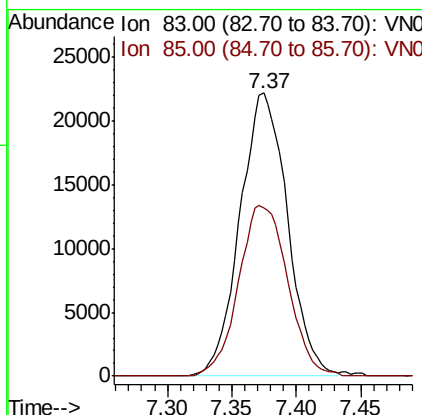
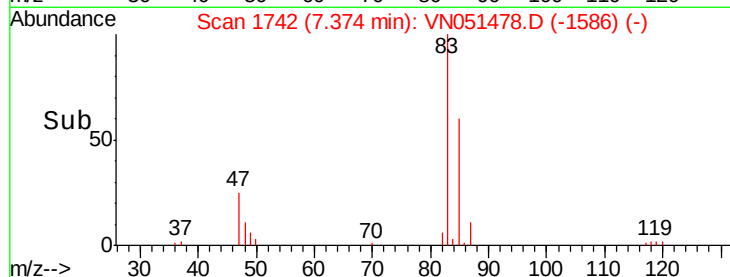
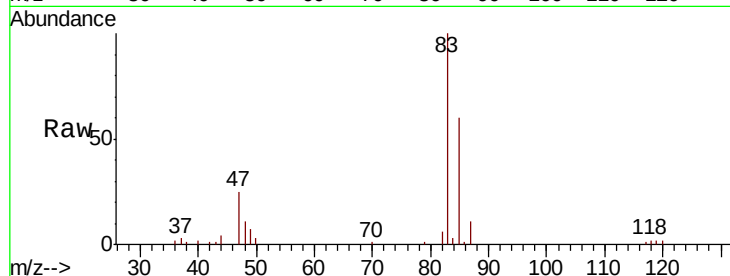




#25
Chloroform
Concen: 6.594 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

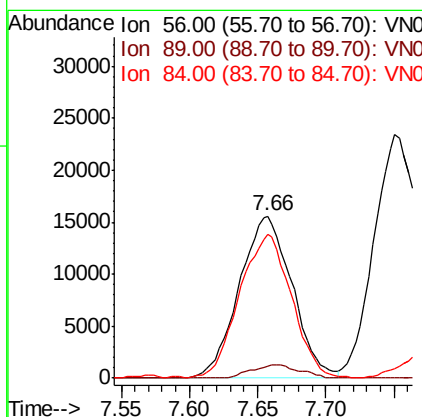
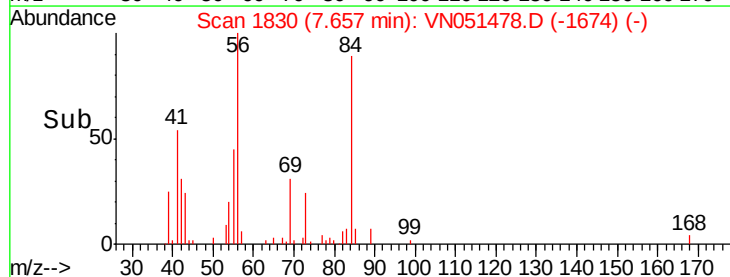
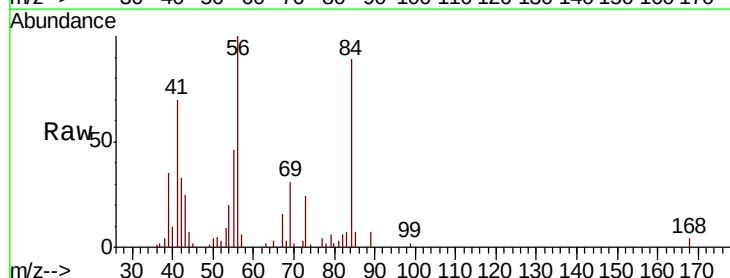
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

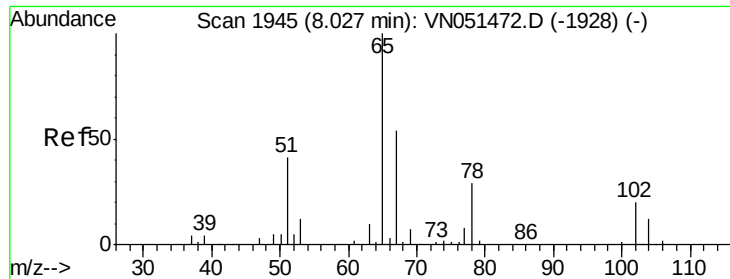
Tot Ion: 83 Resp: 56883
Ion Ratio Lower Upper
83 100
85 59.6 54.6 82.0



#26
Cyclohexane
Concen: 5.688 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion: 56 Resp: 41882
Ion Ratio Lower Upper
56 100
89 7.4 1.5 2.3#
84 87.0 64.2 96.4

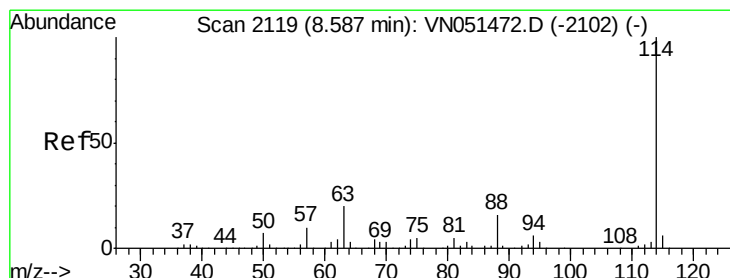
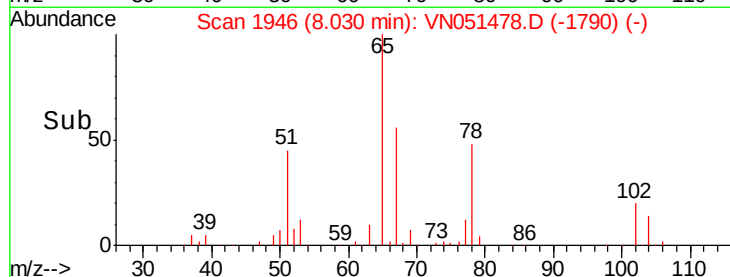
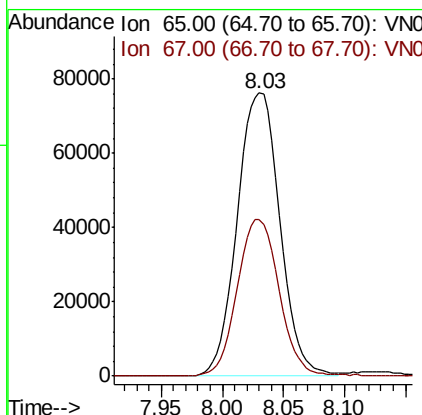
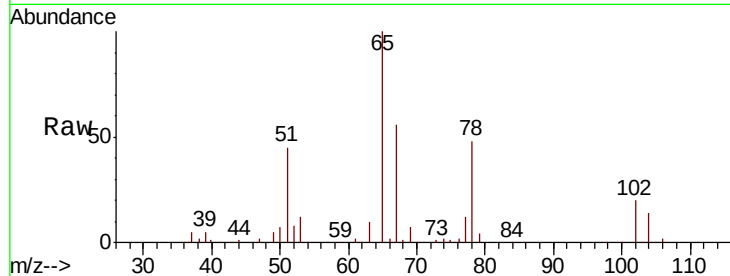




#27
 1,2-Dichloroethane-d4
 Concen: 30.912 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

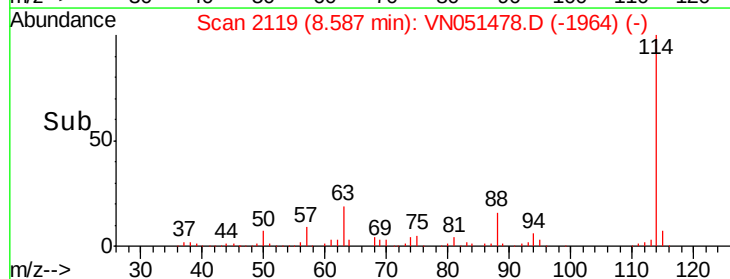
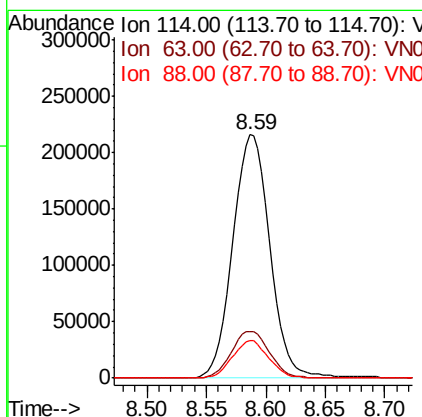
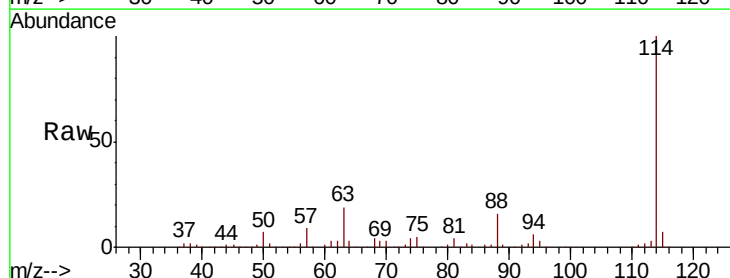
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

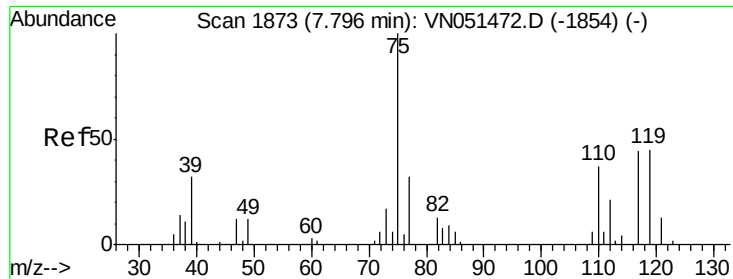
Tot Ion: 65 Resp: 184743
 Ion Ratio Lower Upper
 65 100
 67 54.3 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion: 114 Resp: 466598
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.2 24.2
 88 15.2 12.2 18.4

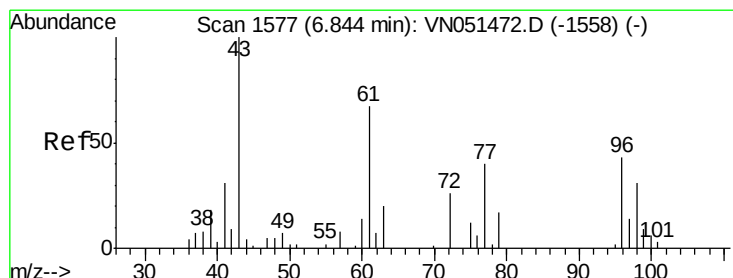
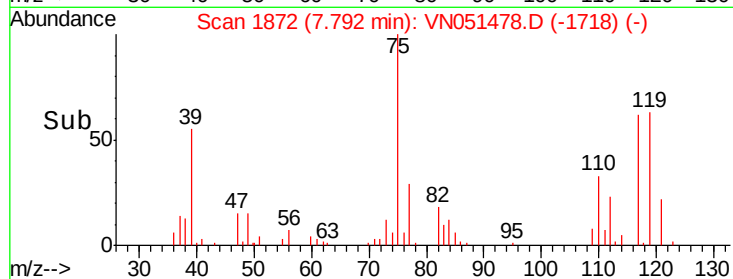
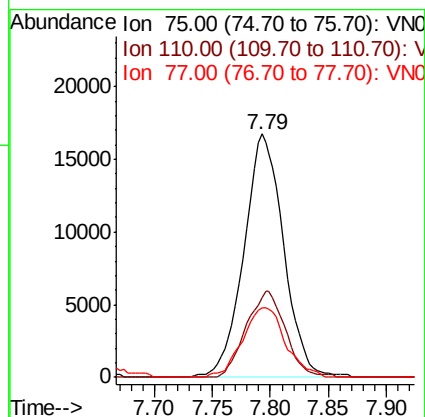
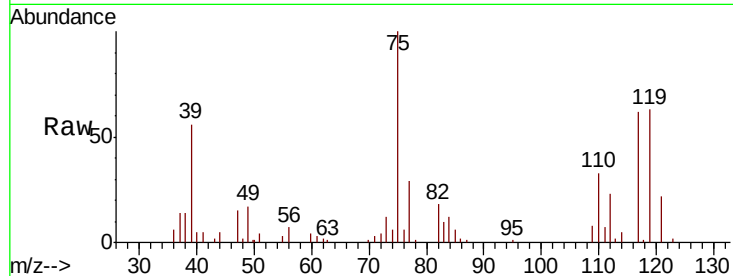




#29
 1,1-Dichloropropene
 Concen: 6.081 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

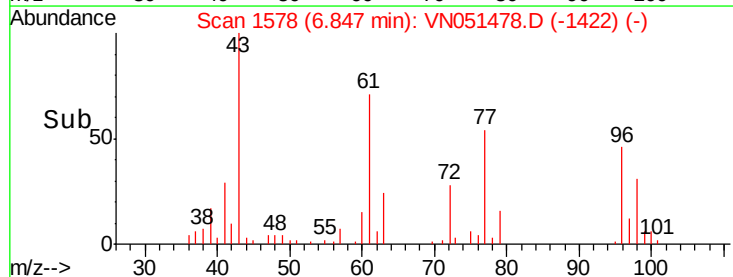
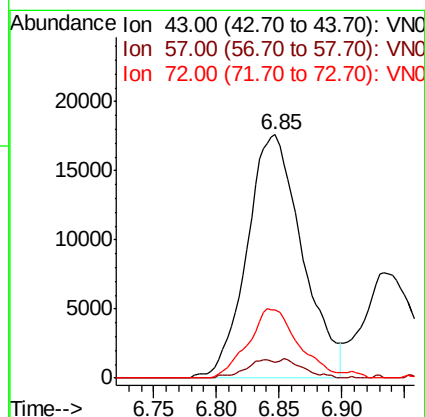
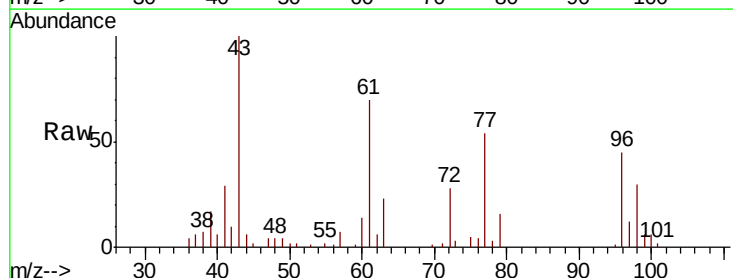
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

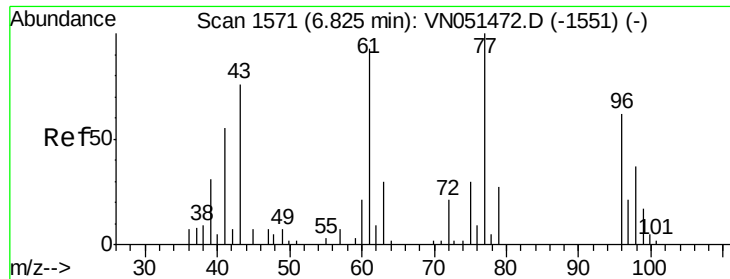
Tot Ion: 75 Resp: 39954
 Ion Ratio Lower Upper
 75 100
 110 34.8 0.0 70.8
 77 30.9 0.0 61.6



#30
 2-Butanone
 Concen: 31.807 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion: 43 Resp: 53977
 Ion Ratio Lower Upper
 43 100
 57 2.5 4.5 6.7#
 72 0.0 21.5 32.3#

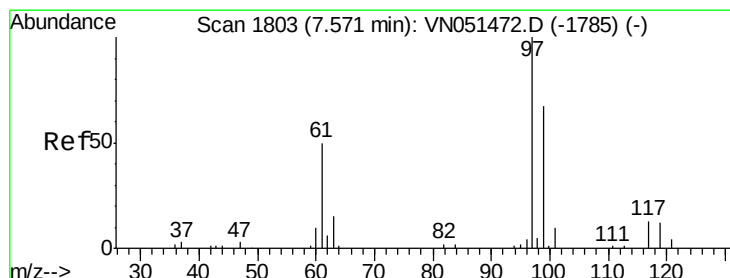
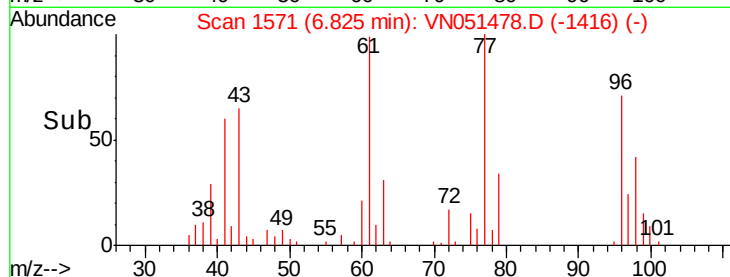
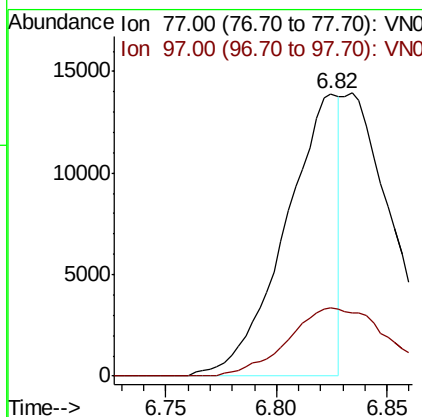
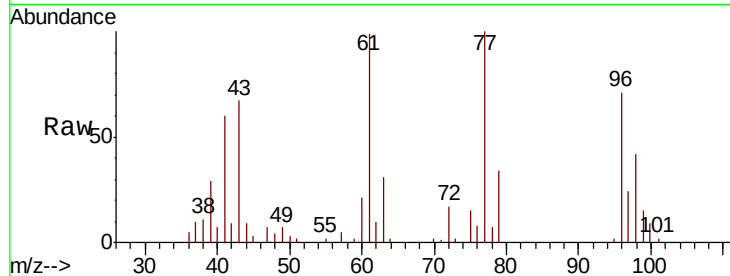




#31
 2,2-Dichloropropane
 Concen: 3.343 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

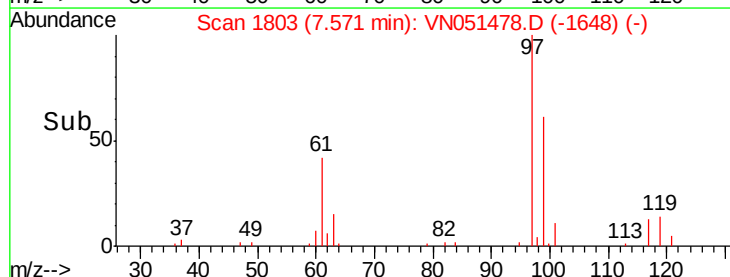
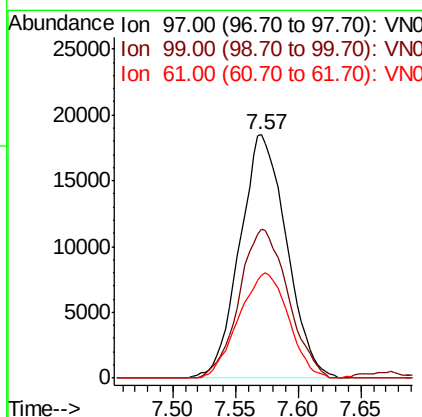
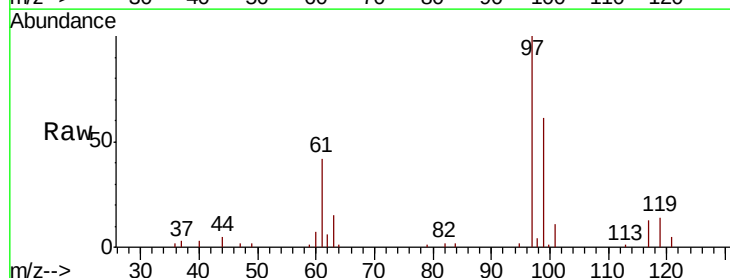
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

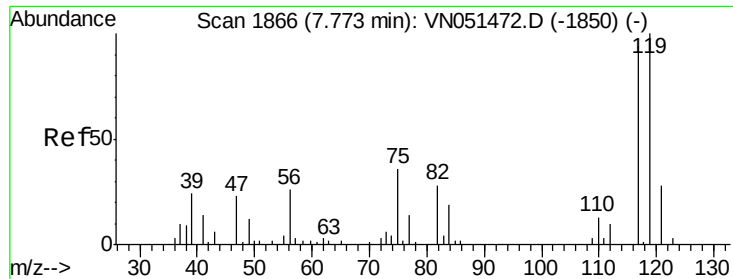
Tot Ion: 77 Resp: 23426
 Ion Ratio Lower Upper
 77 100
 97 45.4 12.0 18.0#



#32
 1,1,1-Trichloroethane
 Concen: 6.398 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion: 97 Resp: 47989
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.6 77.4
 61 45.7 37.4 56.0

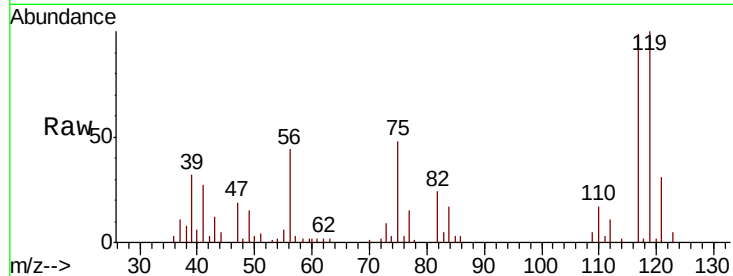




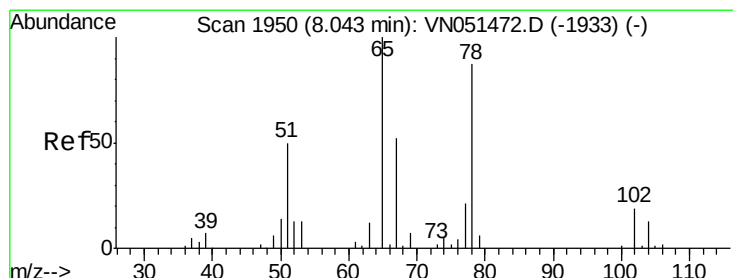
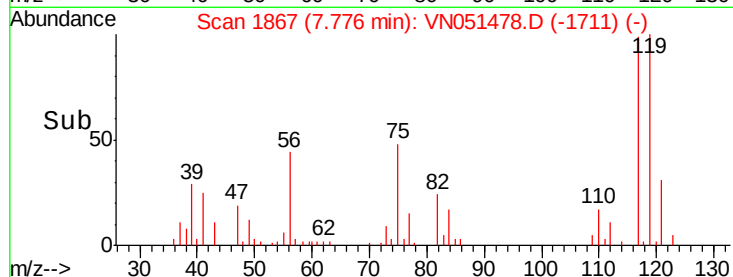
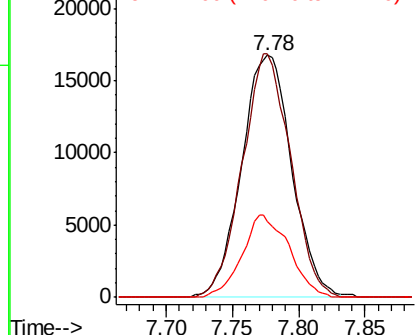
#33
Carbon Tetrachloride
Concen: 6.447 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 44369
Ion Ratio Lower Upper
117 100
119 100.6 85.1 127.7
121 31.6 24.2 36.2

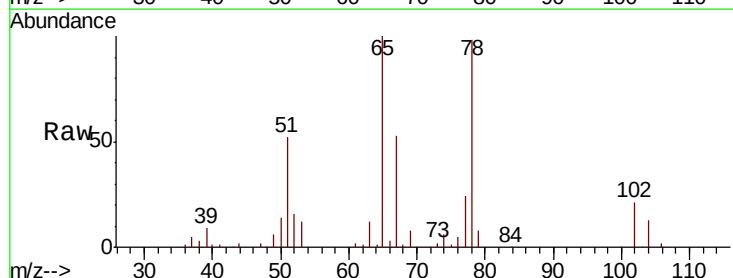


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

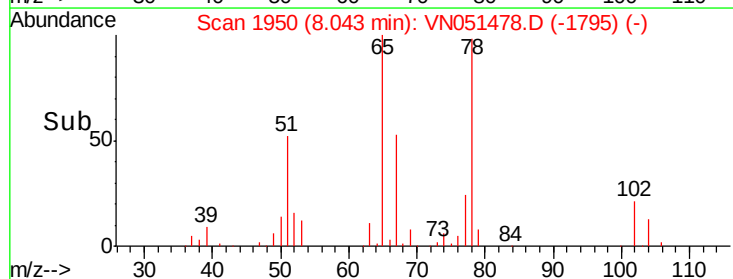
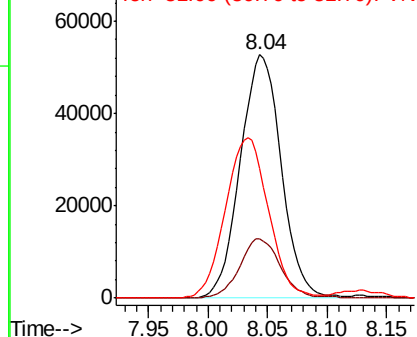


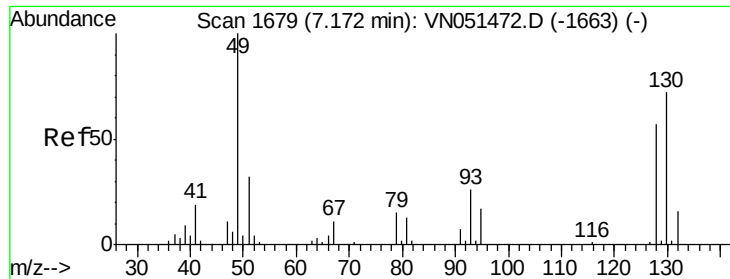
#34
Benzene
Concen: 6.461 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion: 78 Resp: 126028
Ion Ratio Lower Upper
78 100
77 24.6 18.8 28.2
51 52.3 46.2 69.4



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

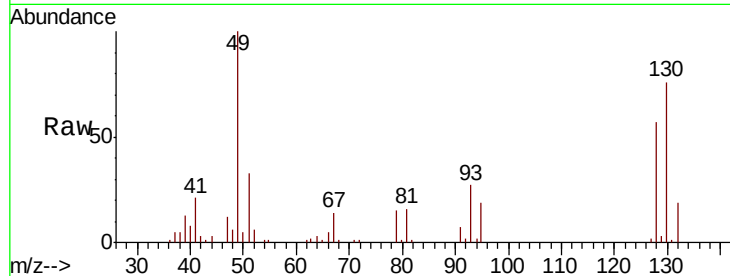




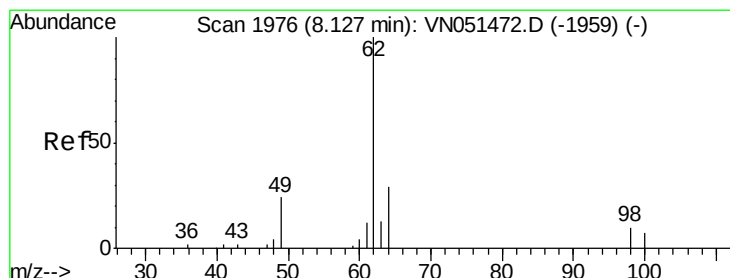
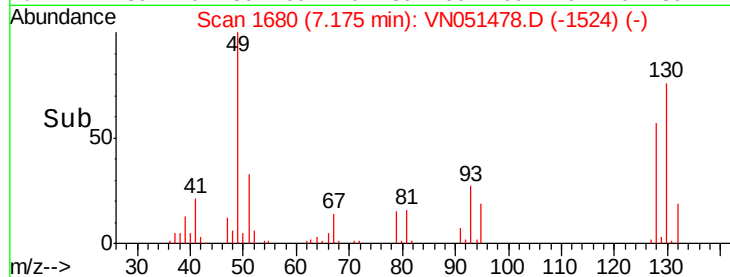
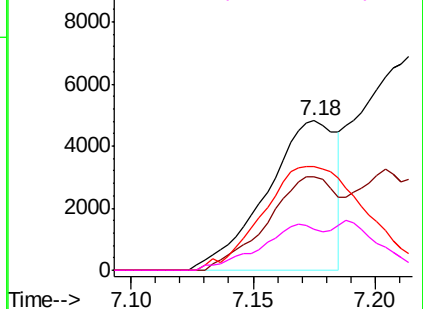
#35
Methacrylonitrile
Concen: 3.917 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	9578
Ion	Ratio	Lower	Upper
41	100		
39	62.5	22.6	67.7
67	69.1	28.9	86.8
52	27.5	11.3	33.9

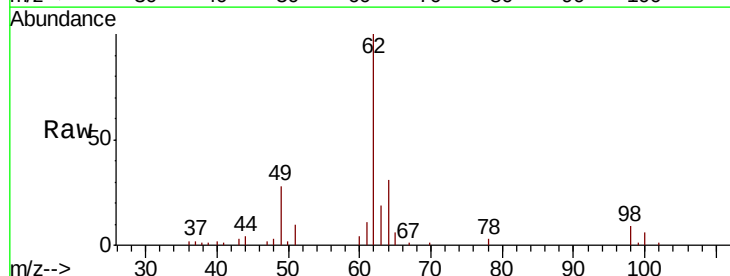


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

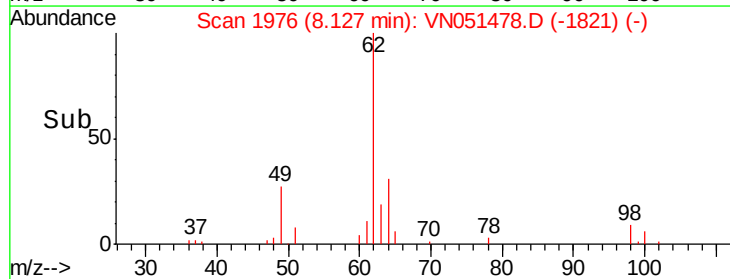
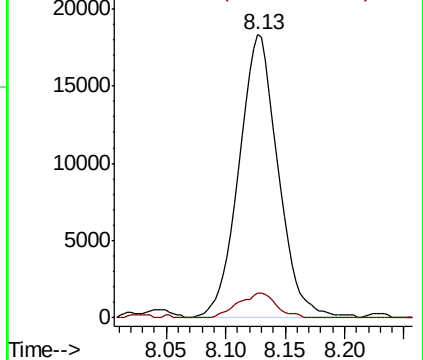


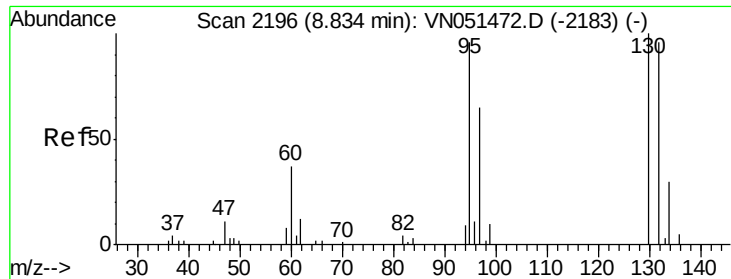
#36
1,2-Dichloroethane
Concen: 6.580 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion:	62	Resp:	41792
Ion	Ratio	Lower	Upper
62	100		
98	8.6	6.9	10.3



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

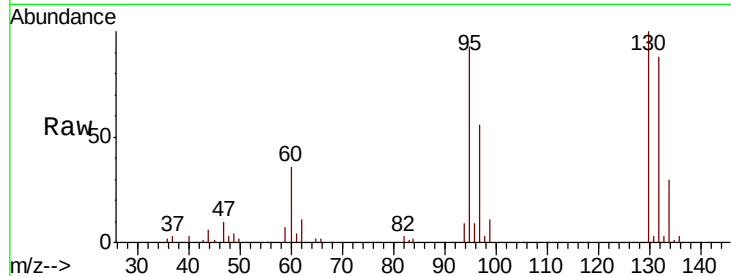




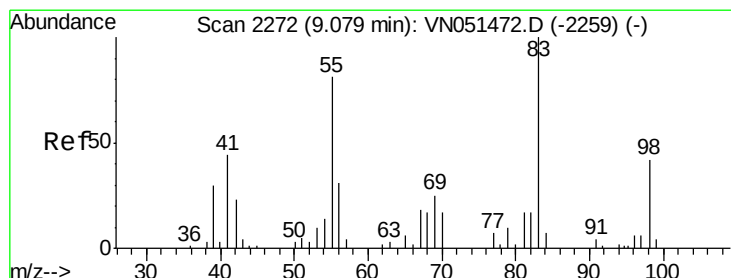
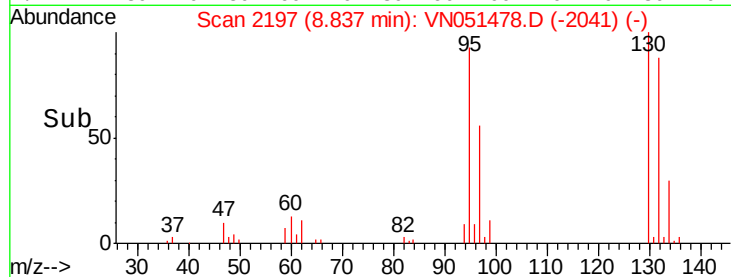
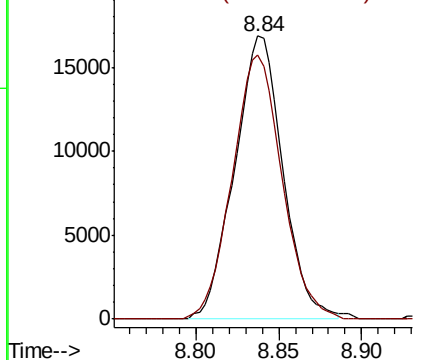
#37
 Trichloroethene
 Concen: 6.579 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 34012
 Ion Ratio Lower Upper
 130 100
 95 92.3 76.4 114.6

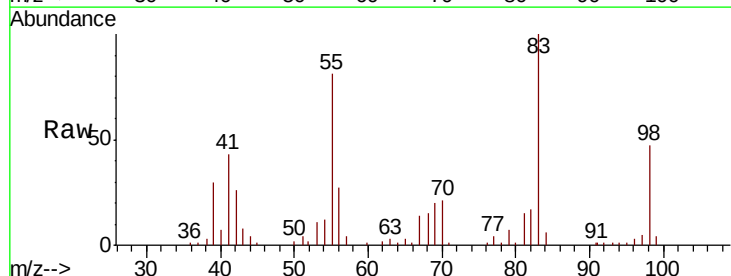


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

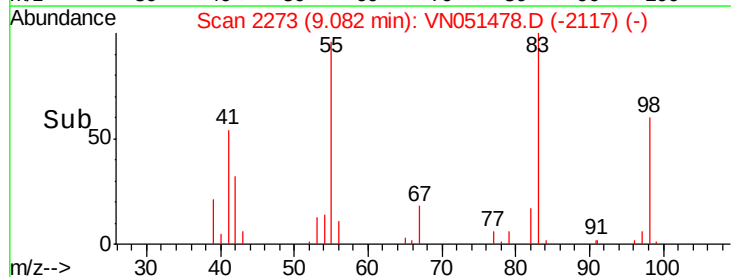
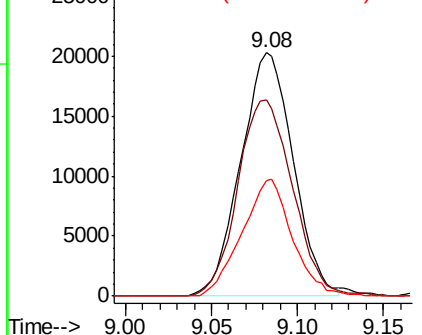


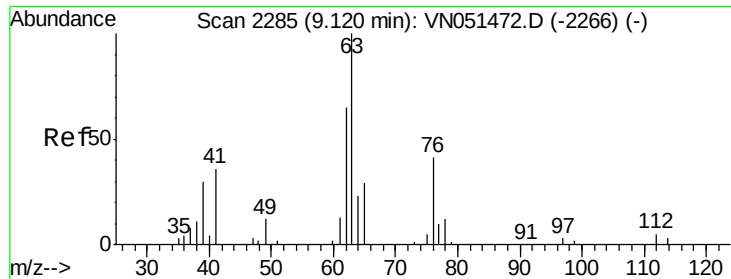
#38
 Methylcyclohexane
 Concen: 5.641 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion: 83 Resp: 42959
 Ion Ratio Lower Upper
 83 100
 55 84.2 43.0 129.2
 98 45.9 21.3 63.7



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

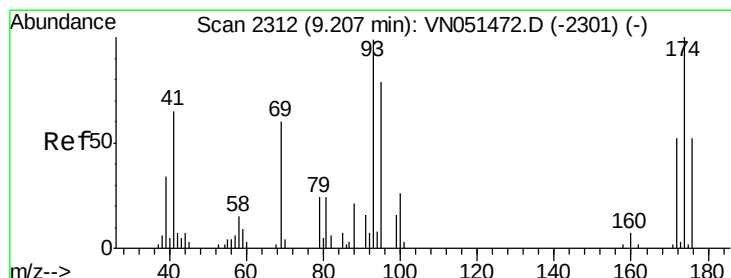
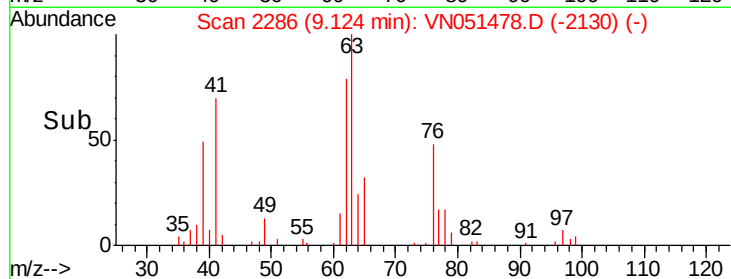
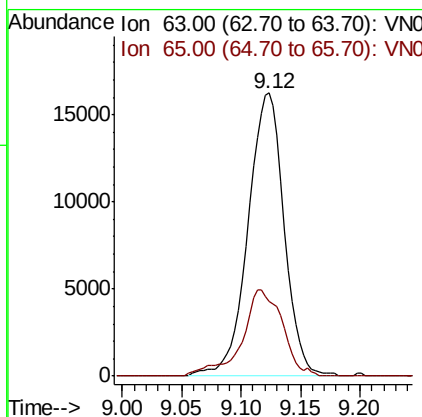
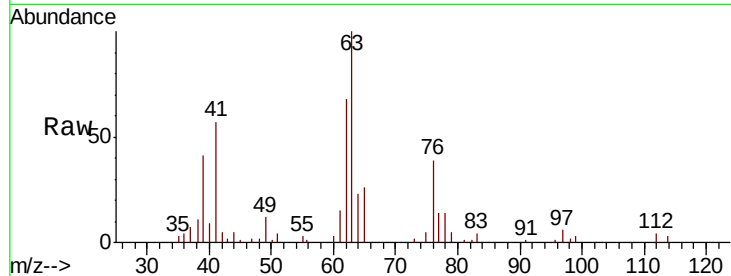




#39
 1,2-Dichloropropane
 Concen: 6.434 ug/l
 RT: 9.12 min Scan# 2286
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

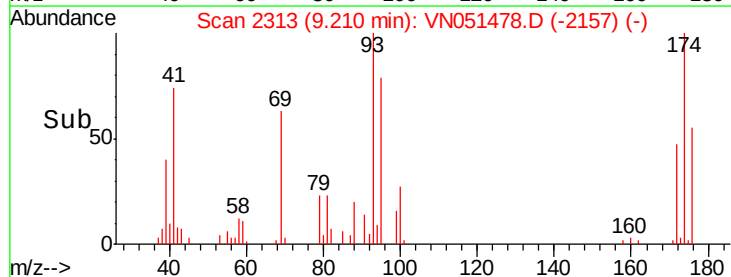
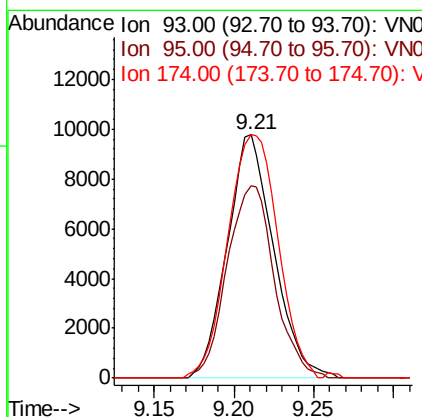
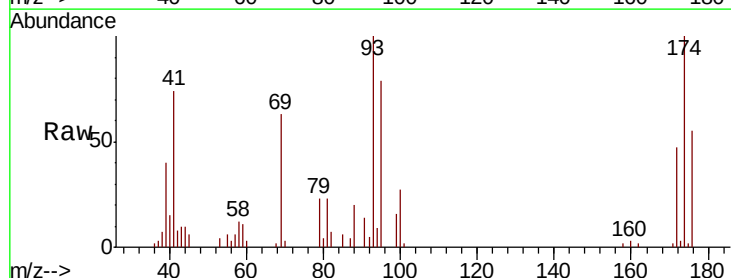
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

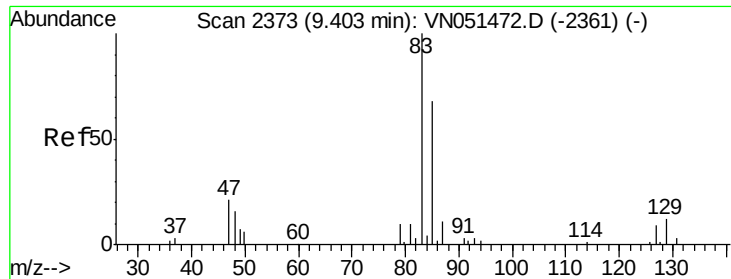
Tot Ion: 63 Resp: 34140
 Ion Ratio Lower Upper
 63 100
 65 26.4 23.2 34.8



#40
 Dibromomethane
 Concen: 6.416 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion: 93 Resp: 19377
 Ion Ratio Lower Upper
 93 100
 95 80.1 0.0 162.0
 174 108.4 0.0 214.0

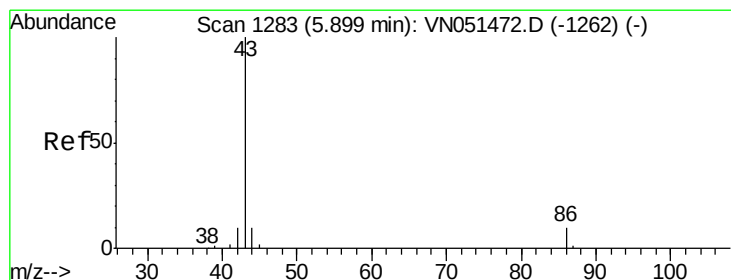
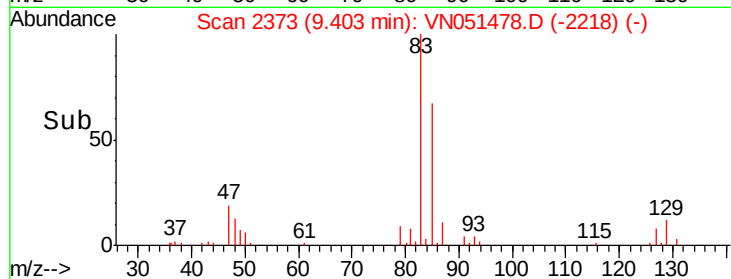
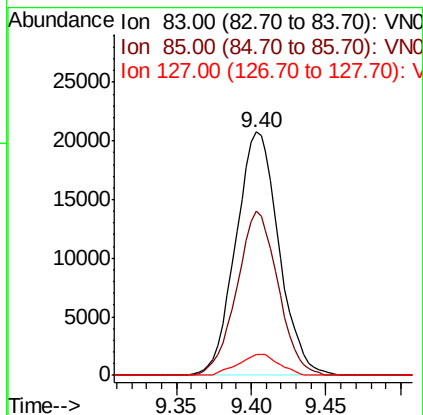
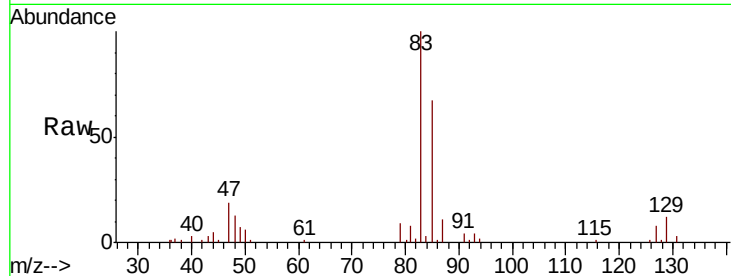




#41
 Bromodichloromethane
 Concen: 6.259 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

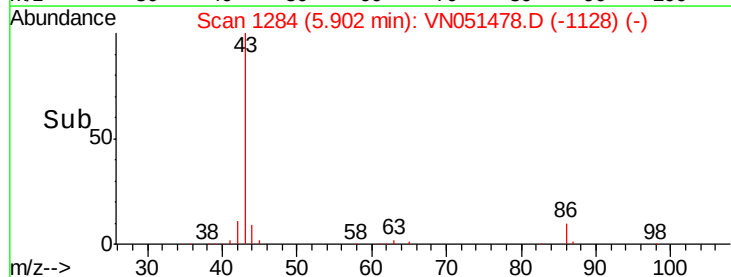
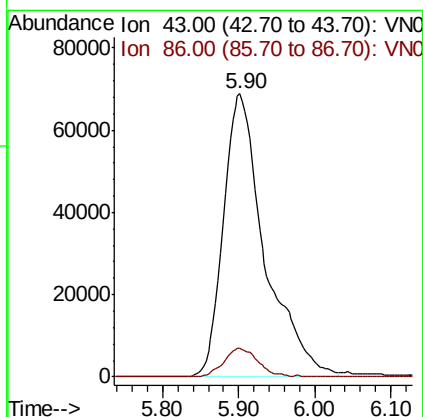
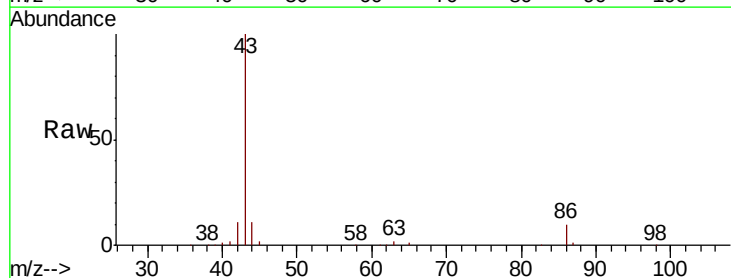
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

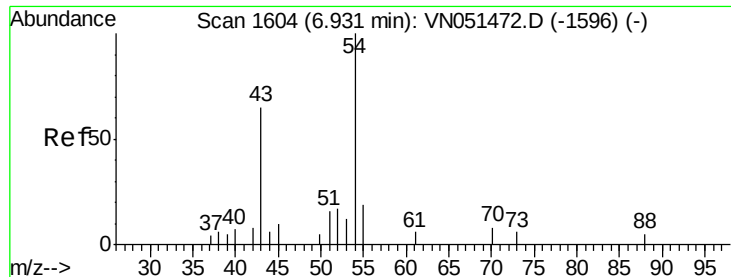
Tot Ion: 83 Resp: 41556
 Ion Ratio Lower Upper
 83 100
 85 67.5 55.7 83.5
 127 8.4 8.2 12.4



#42
 Vinyl Acetate
 Concen: 27.567 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion: 43 Resp: 260131
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.5 9.7





#43

Ethyl Acetate

Concen: 4.730 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

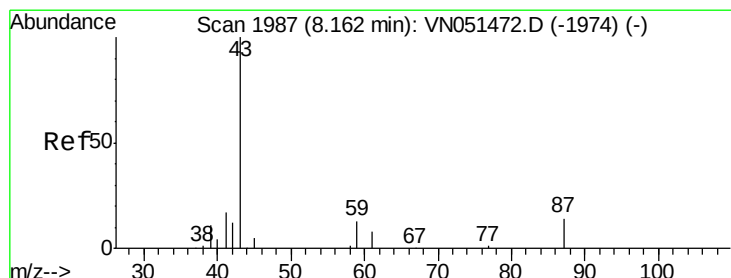
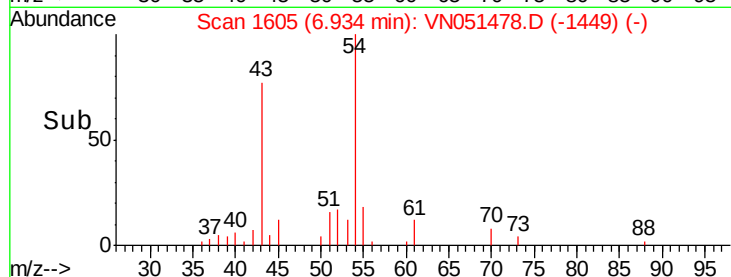
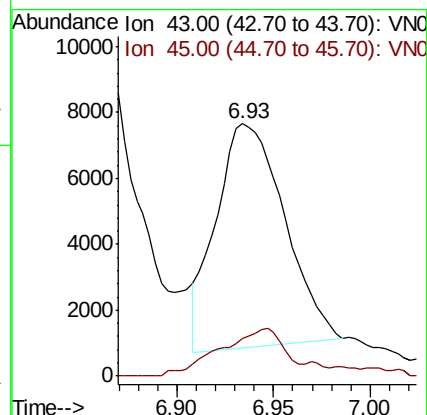
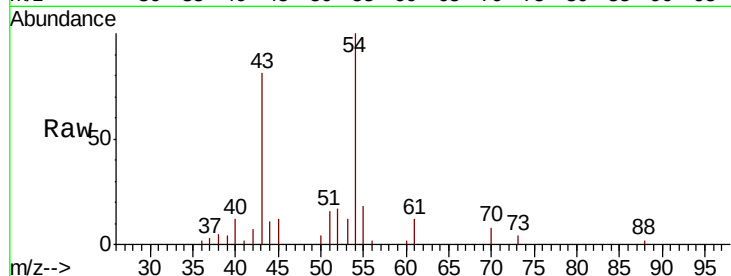
VSTDIC005

Tot Ion: 43 Resp: 16703

Ion Ratio Lower Upper

43 100

45 17.1 11.0 16.6#



#44

Isopropyl Acetate

Concen: 5.947 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.01 min

Lab File: VN051478.D

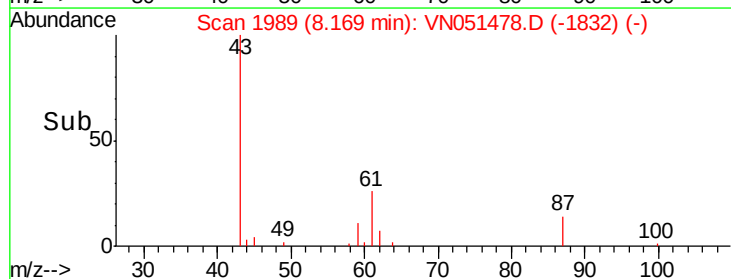
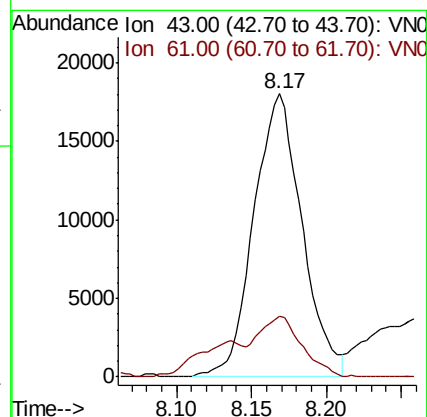
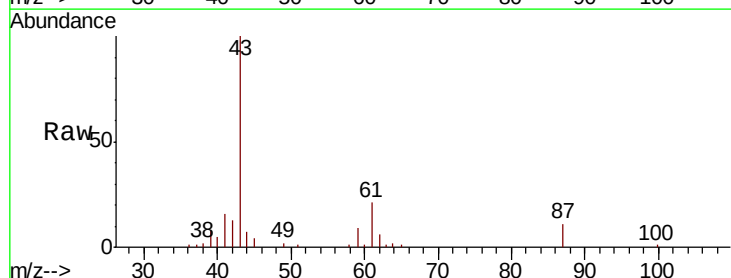
Acq: 25 Sep 2018 11:38

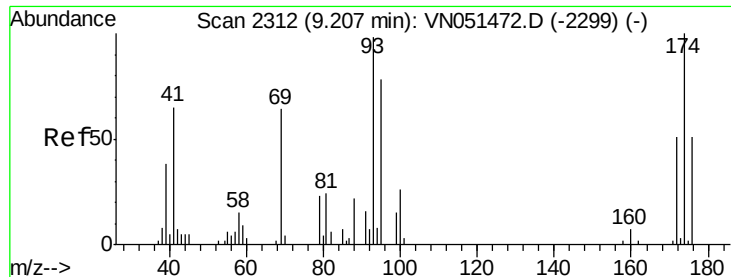
Tgt Ion: 43 Resp: 40388

Ion Ratio Lower Upper

43 100

61 19.6 15.9 23.9

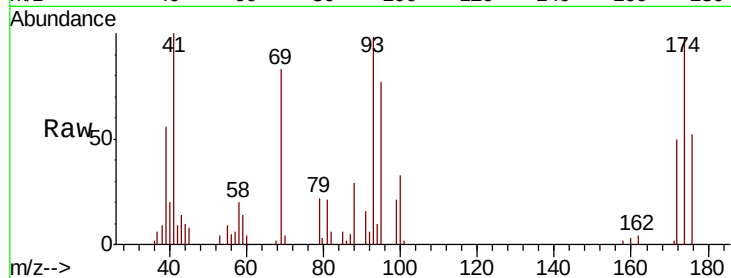




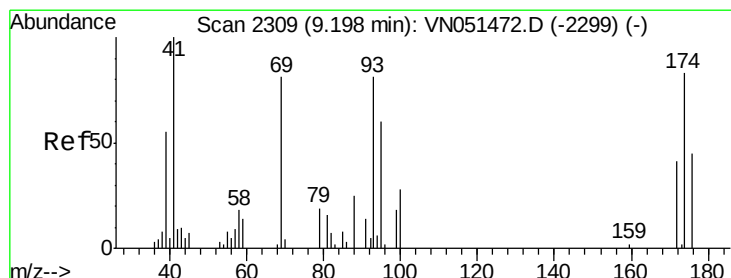
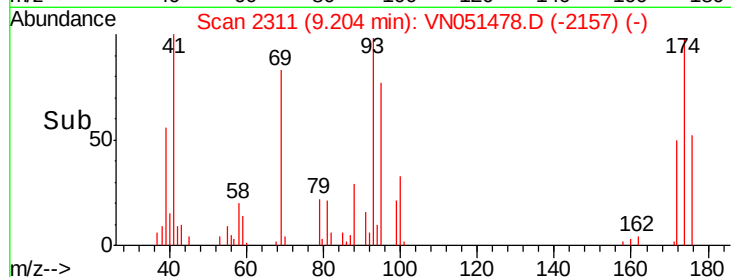
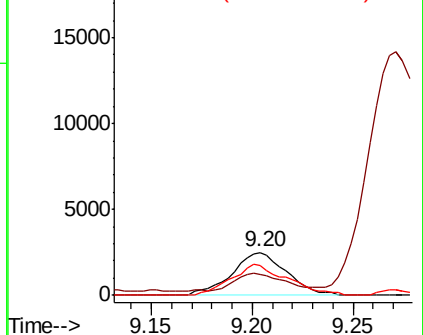
#45
 1,4-Dioxane
 Concen: 113.905 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 88 Resp: 4706
 Ion Ratio Lower Upper
 88 100
 43 34.7 26.2 39.2
 58 74.6 65.6 98.4

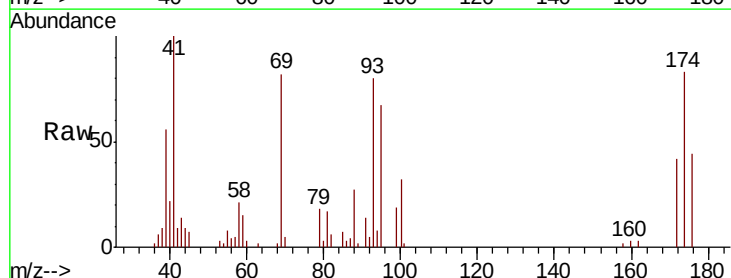


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

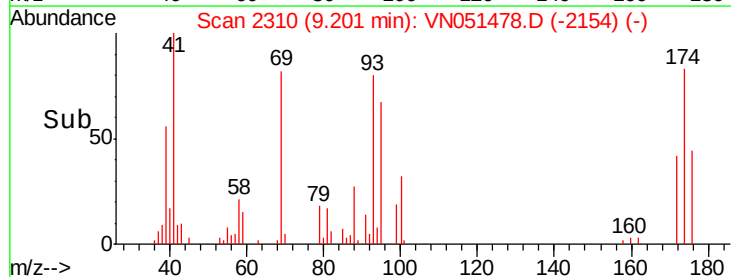
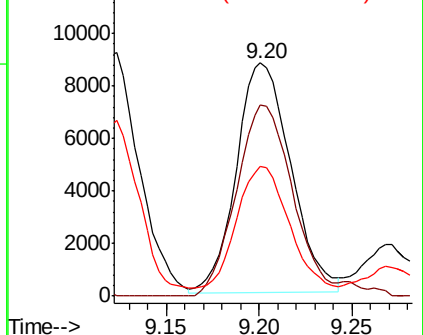


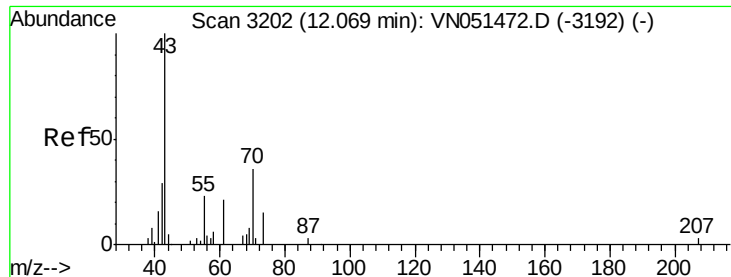
#46
 Methyl methacrylate
 Concen: 5.308 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion: 41 Resp: 17850
 Ion Ratio Lower Upper
 41 100
 69 84.9 40.7 122.1
 39 54.0 27.3 81.9



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





#47

n-amvl Acetate

Concen: 4.421 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

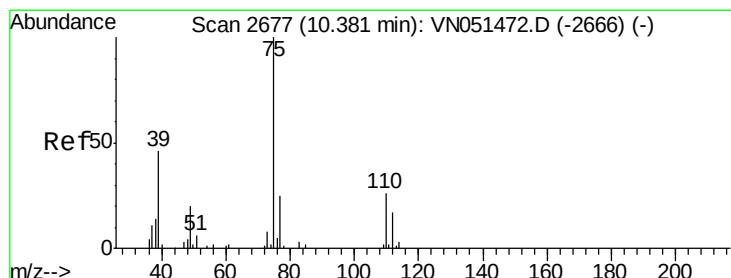
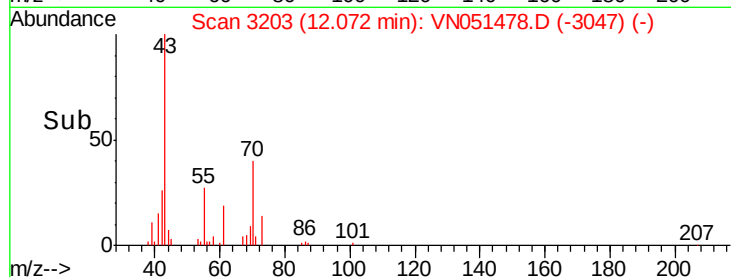
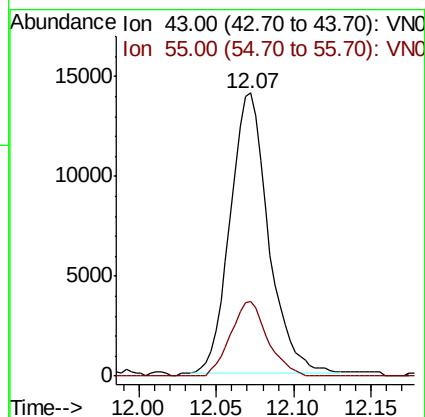
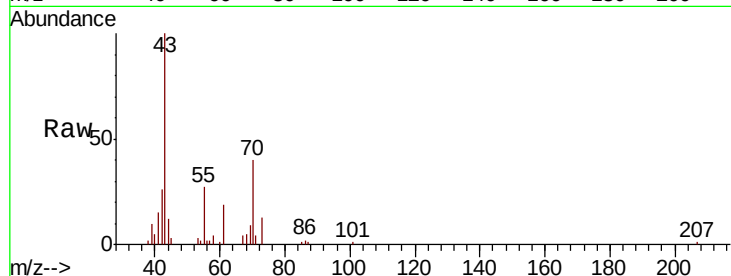
VSTDIC005

Tot Ion: 43 Resp: 23990

Ion Ratio Lower Upper

43 100

55 25.7 12.2 18.4#



#48

t-1,3-Dichloropropene

Concen: 5.673 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051478.D

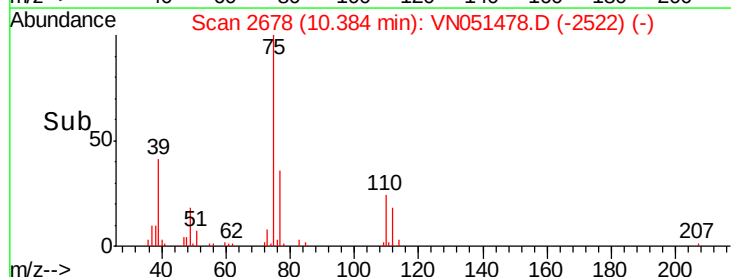
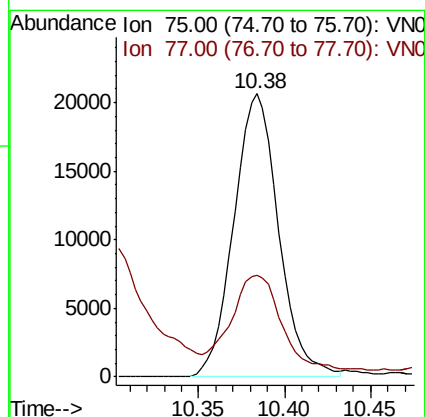
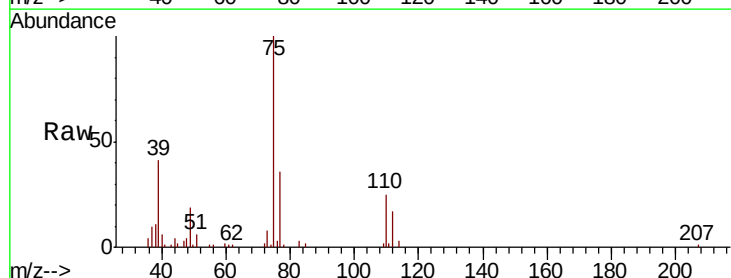
Acq: 25 Sep 2018 11:38

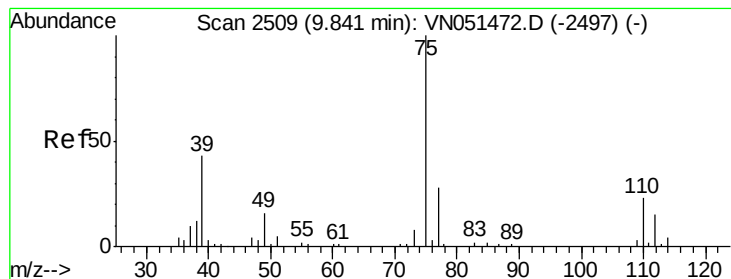
Tgt Ion: 75 Resp: 37405

Ion Ratio Lower Upper

75 100

77 32.8 24.6 37.0



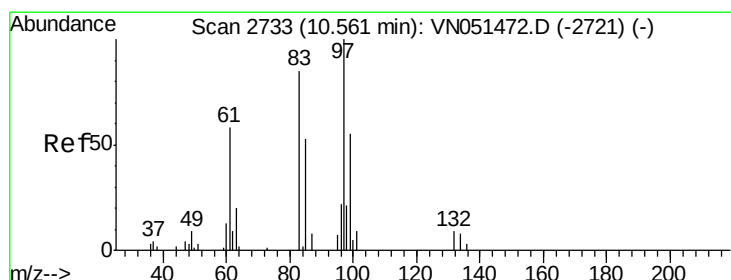
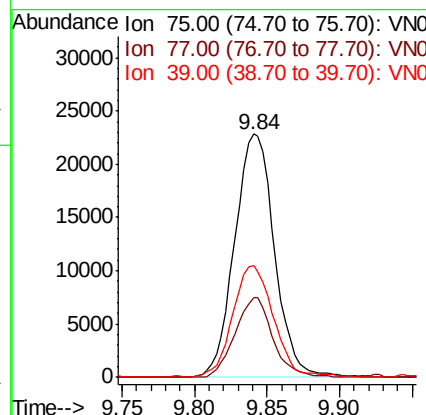
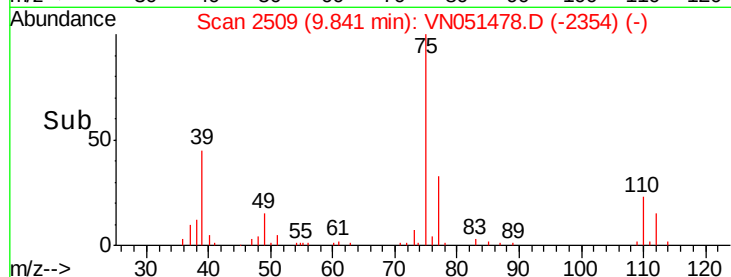
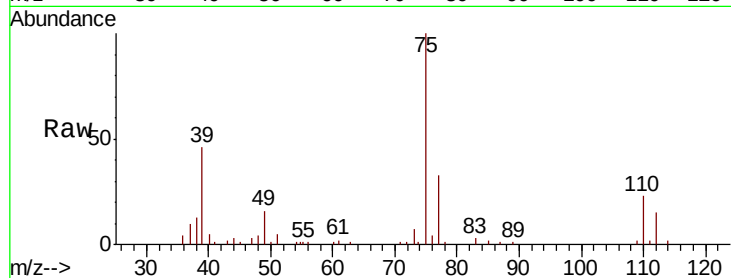


#49

cis-1,3-Dichloropropene
 Concen: 5.720 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

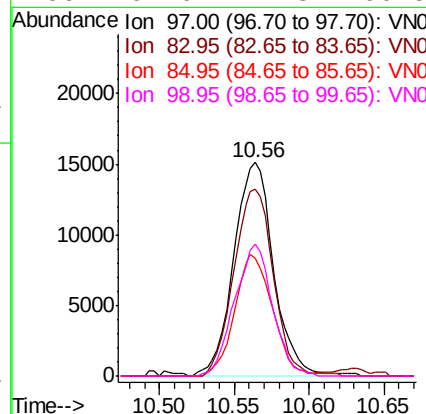
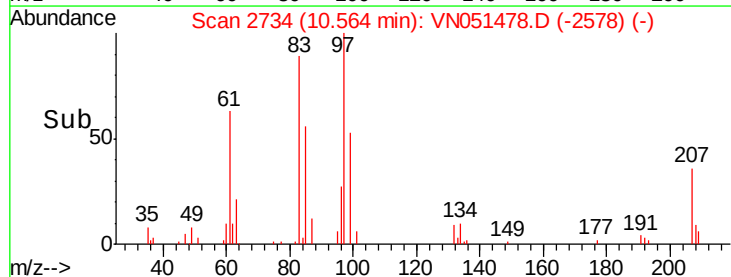
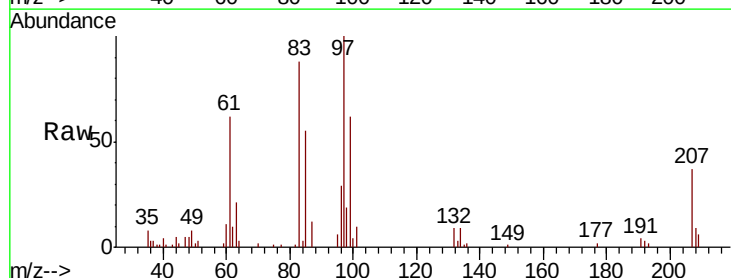
Tot Ion:	75	Resp:	43656
Ion	Ratio	Lower	Upper
75	100		
77	32.8	23.2	34.8
39	45.9	34.6	52.0

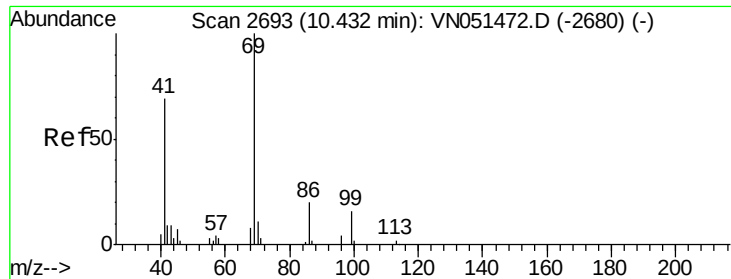


#50

1,1,2-Trichloroethane
 Concen: 6.484 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion:	97	Resp:	28000
Ion	Ratio	Lower	Upper
97	100		
83	87.6	68.2	102.4
85	55.3	42.5	63.7
99	61.6	44.3	66.5





#51

Ethyl methacrylate

Concen: 5.019 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

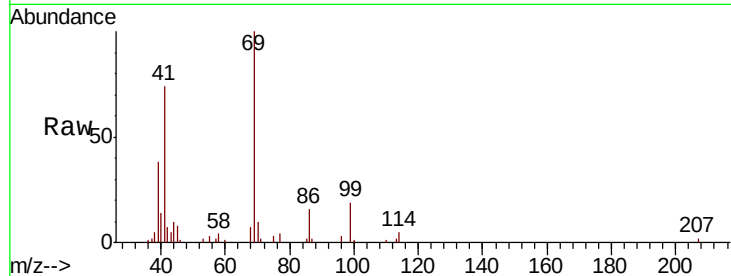
Tot Ion: 69 Resp: 25649

Ion Ratio Lower Upper

69 100

41 74.0 34.4 103.1

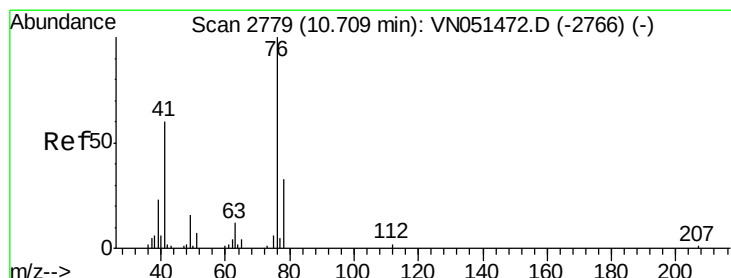
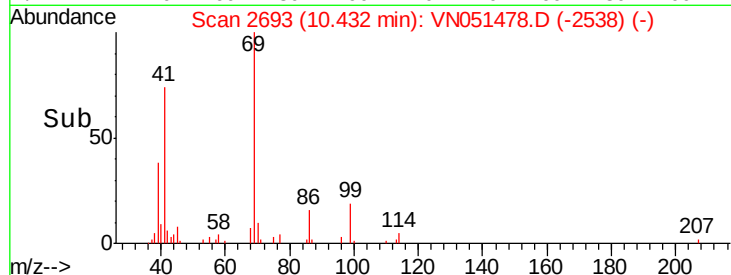
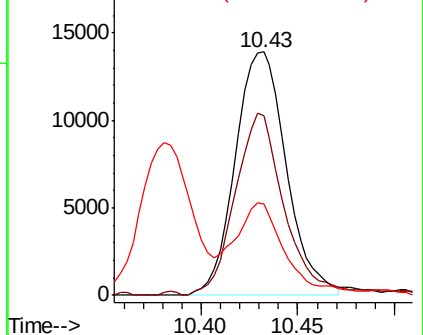
39 34.7 16.3 48.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 6.163 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051478.D

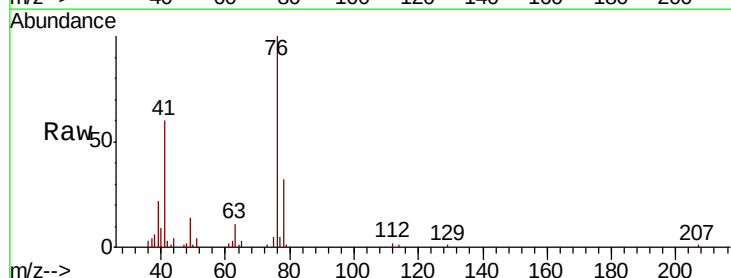
Acq: 25 Sep 2018 11:38

Tgt Ion: 76 Resp: 44893

Ion Ratio Lower Upper

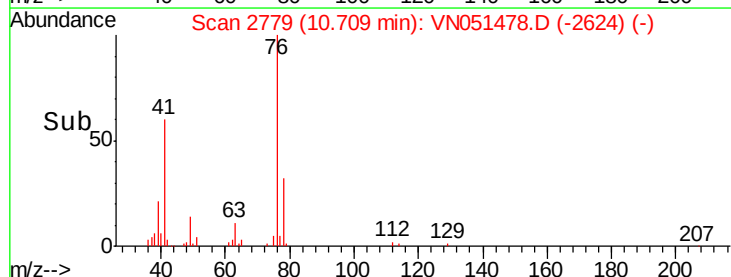
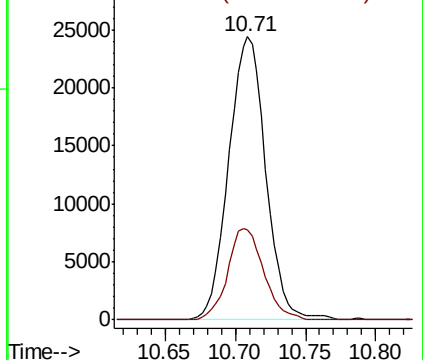
76 100

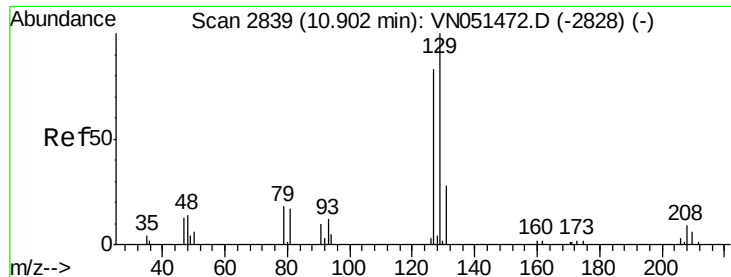
78 31.4 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 5.843 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

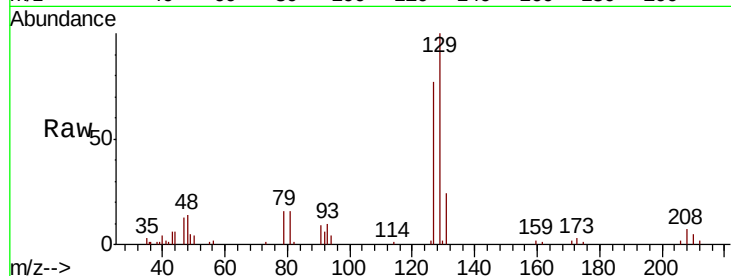
VSTDIC005

Tot Ion:129 Resp: 29022

Ion Ratio Lower Upper

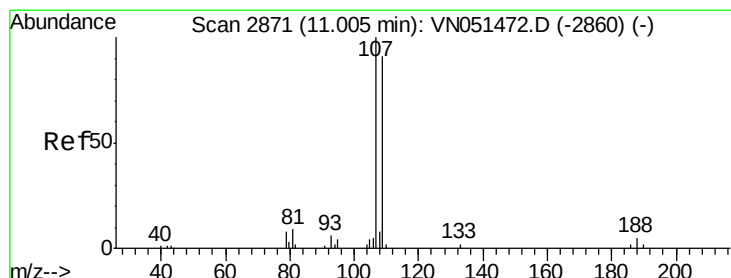
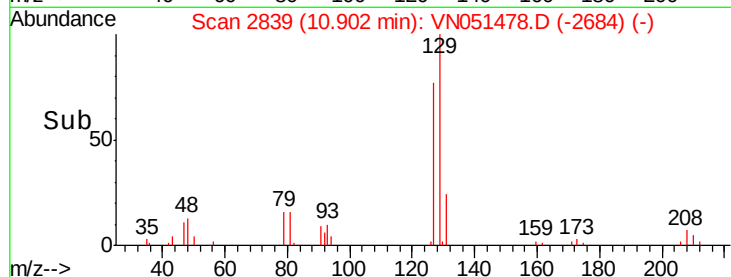
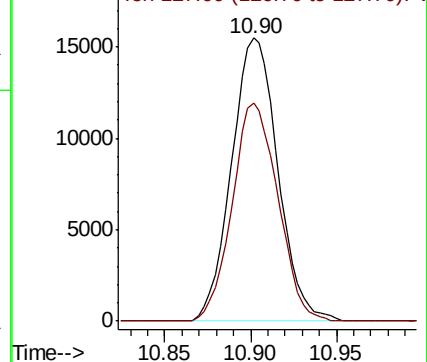
129 100

127 75.9 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 6.066 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051478.D

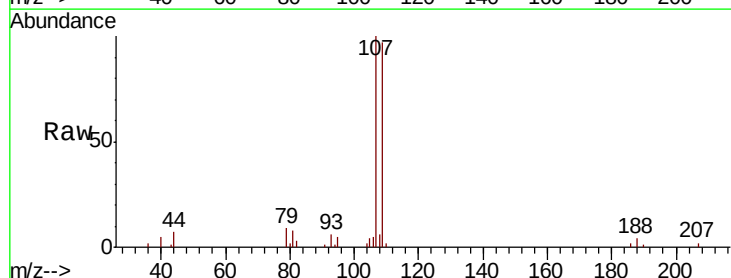
Acq: 25 Sep 2018 11:38

Tgt Ion:107 Resp: 25275

Ion Ratio Lower Upper

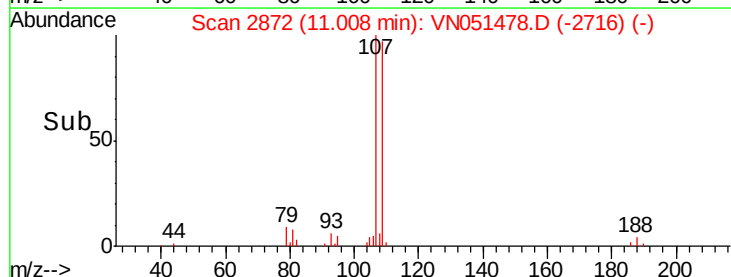
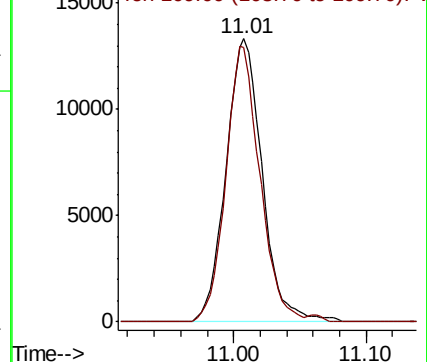
107 100

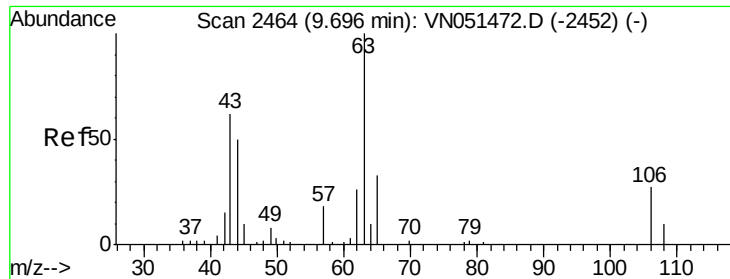
109 91.3 77.4 116.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

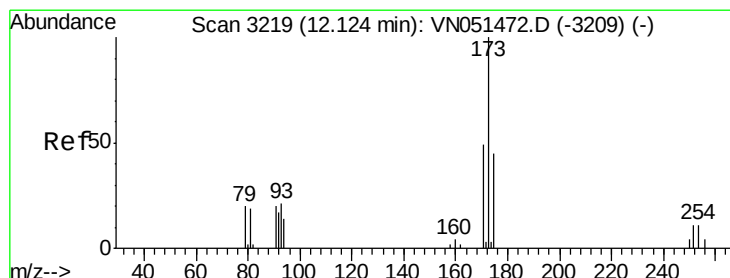
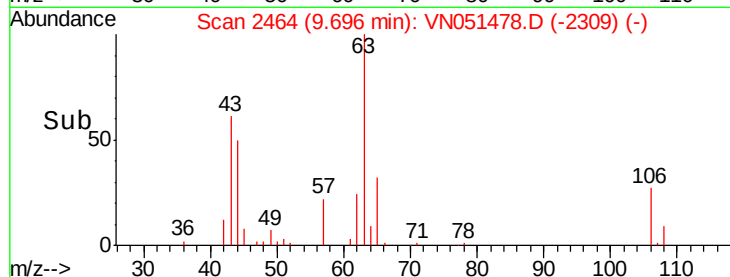
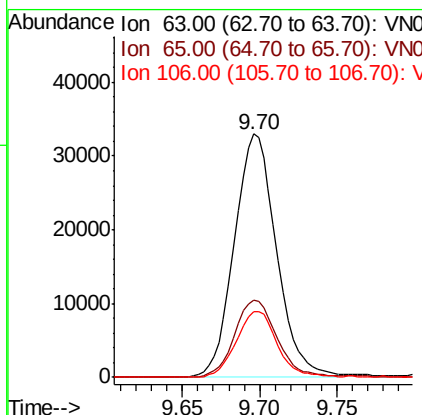
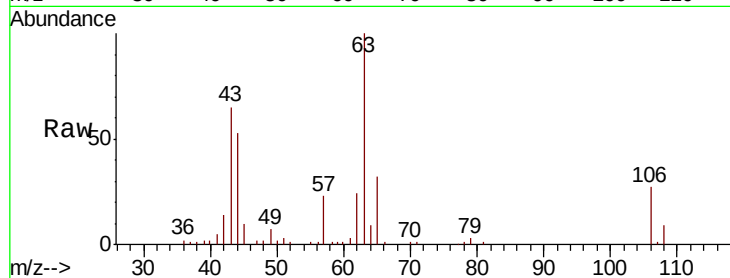




#55
2-Chloroethyl vinyl ether
Concen: 24.793 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

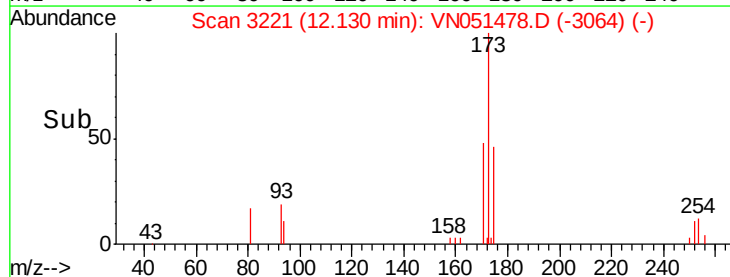
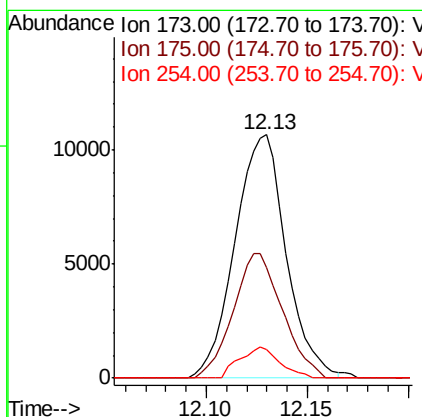
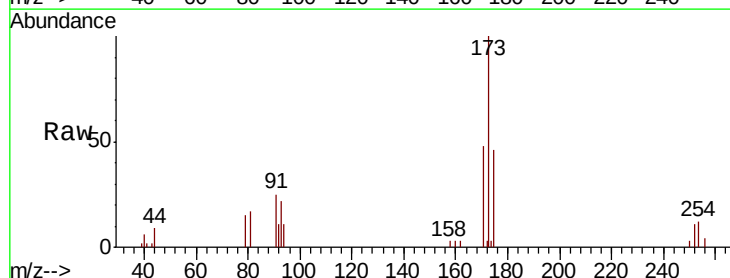
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

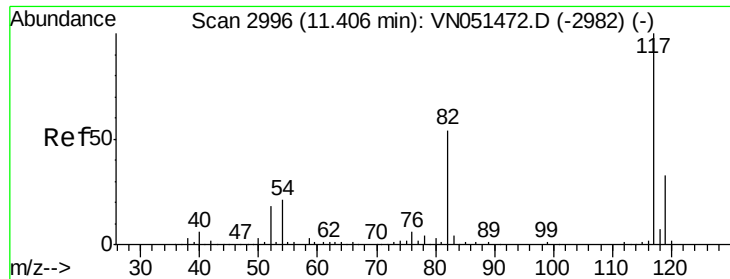
Tot Ion: 63 Resp: 62566
Ion Ratio Lower Upper
63 100
65 32.0 25.4 38.0
106 26.2 21.2 31.8



#56
Bromoform
Concen: 5.654 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.01 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion: 173 Resp: 18934
Ion Ratio Lower Upper
173 100
175 49.1 35.8 53.8
254 10.0 8.6 13.0

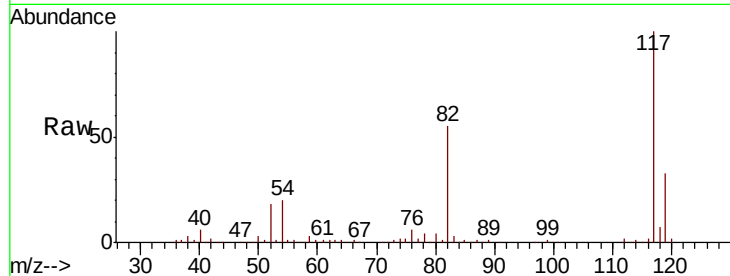




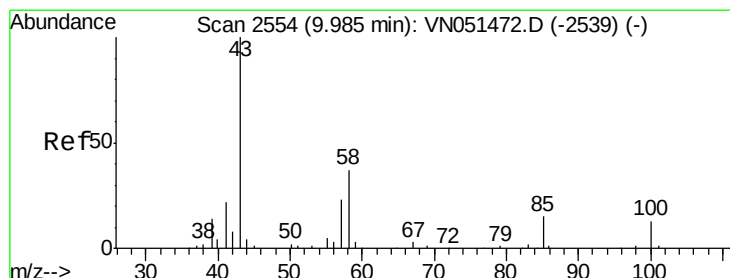
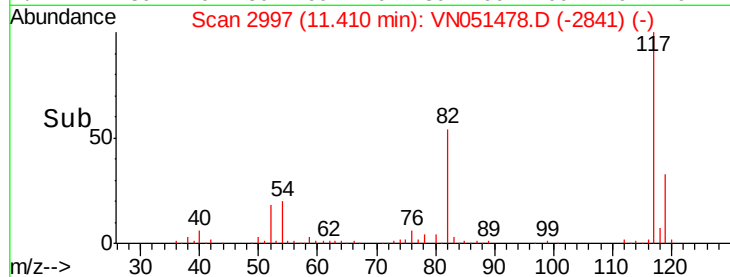
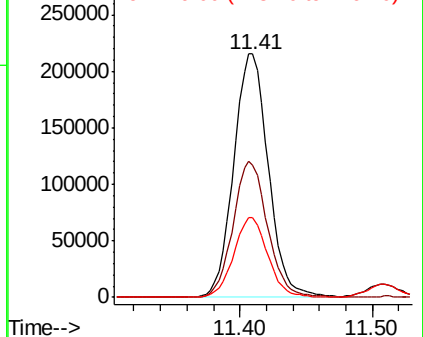
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 391187
Ion Ratio Lower Upper
117 100
82 55.4 44.1 66.1
119 32.1 25.8 38.8

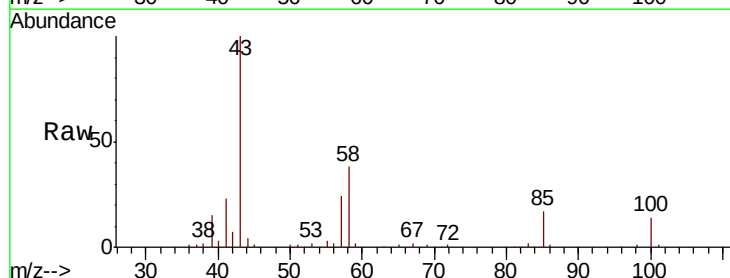


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

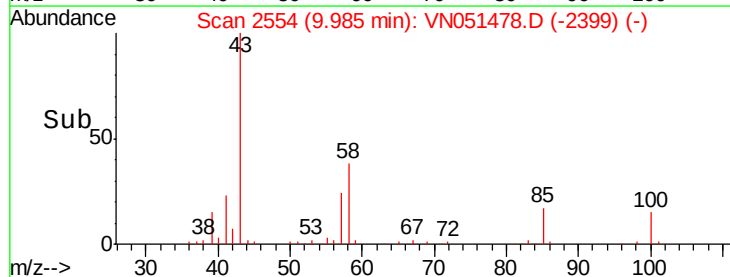
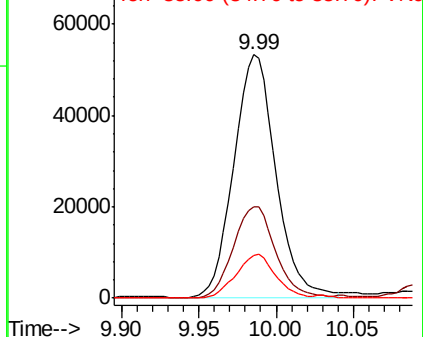


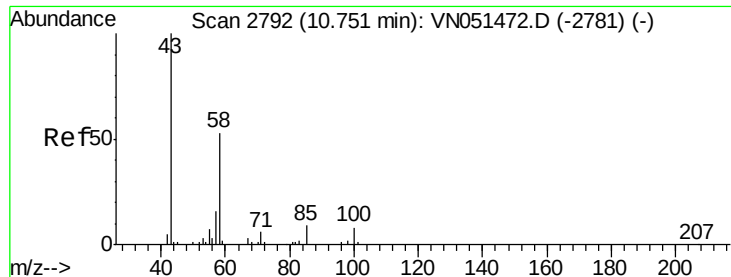
#58
4-Methyl-2-Pentanone
Concen: 29.206 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion: 43 Resp: 100405
Ion Ratio Lower Upper
43 100
58 38.1 29.3 43.9
85 17.1 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

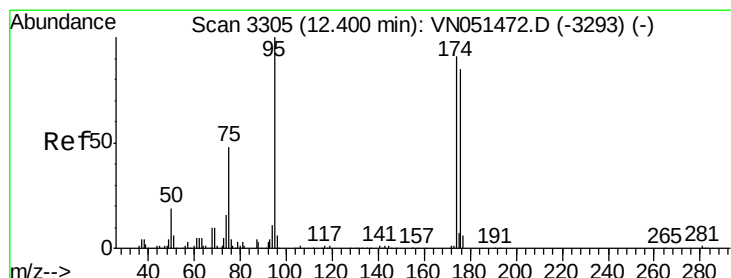
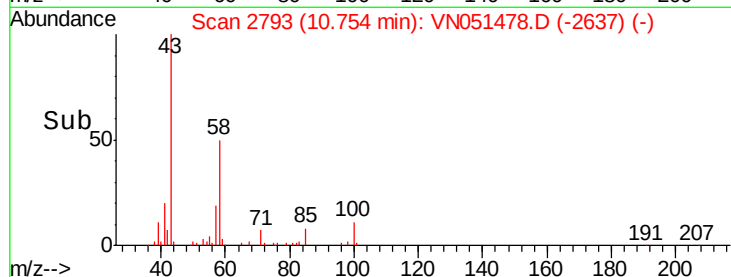
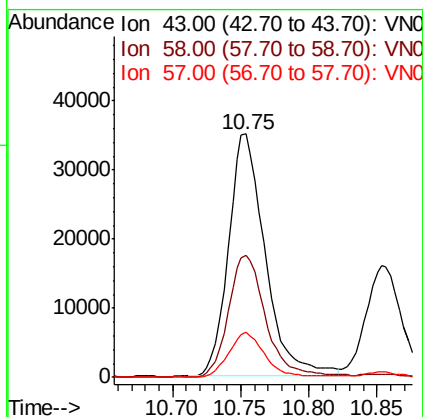
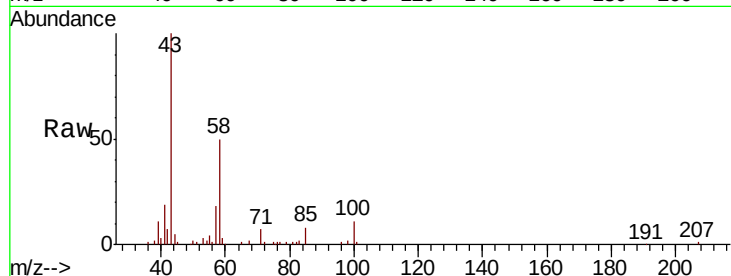




#59
2-Hexanone
Concen: 28.965 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

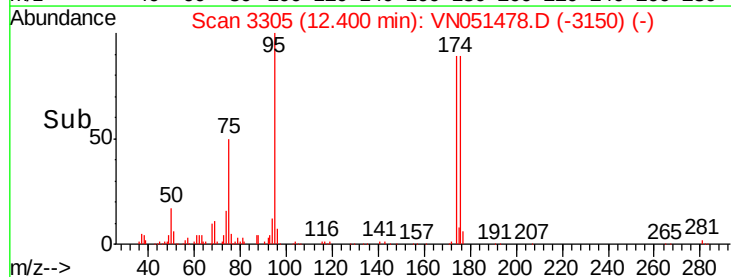
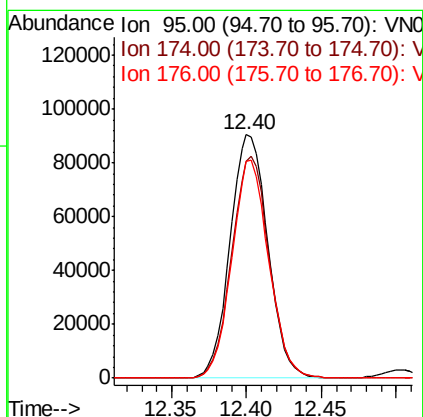
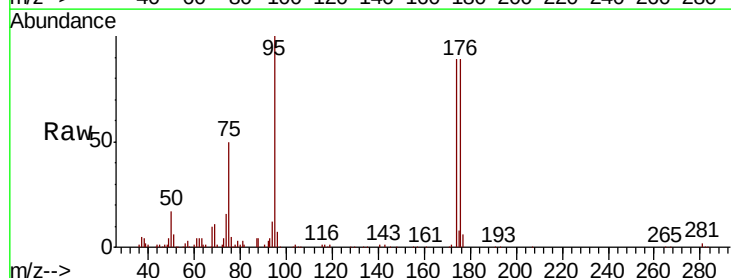
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

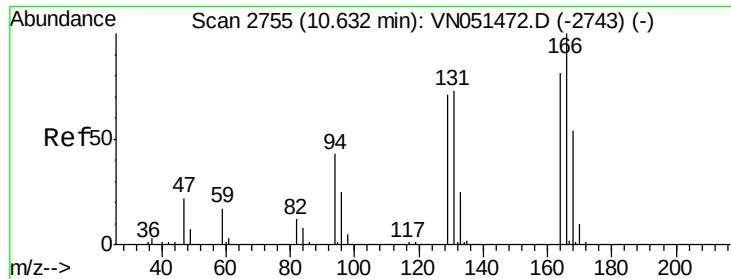
Tot Ion	Ratio	Lower	Upper
43	100		
58	51.0	41.3	61.9
57	18.6	13.4	20.0



#60
4-Bromofluorobenzene
Concen: 27.695 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	73.5	110.3
176	87.5	70.2	105.2





#61

Tetrachloroethene

Concen: 6.499 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:164 Resp: 29576

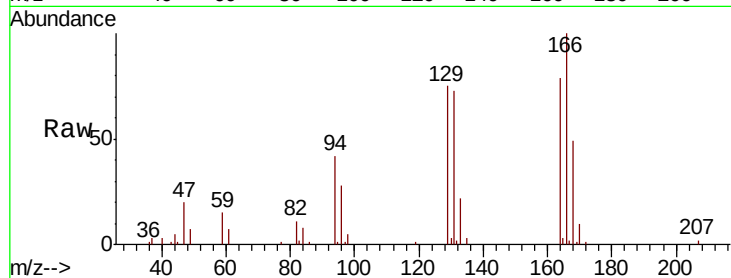
Ion Ratio Lower Upper

164 100

166 126.5 98.7 148.1

129 94.5 69.6 104.4

131 92.0 72.4 108.6



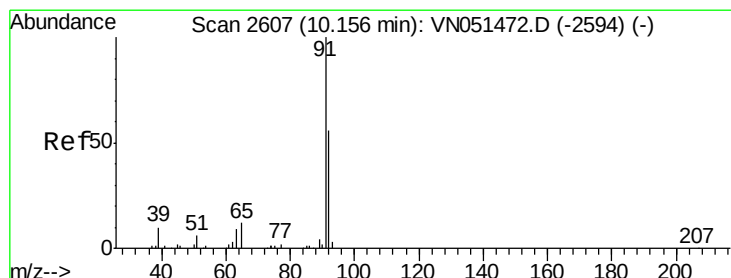
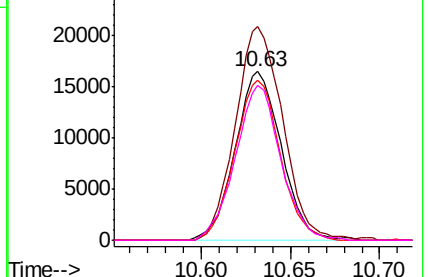
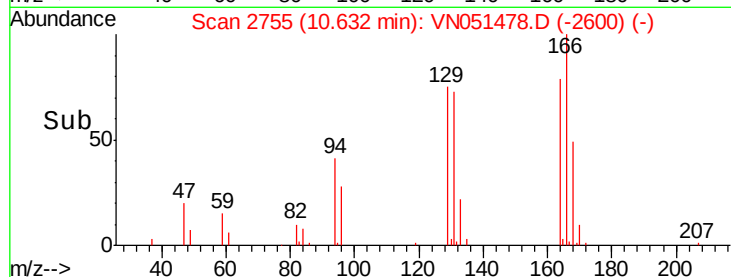
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

Time-->



#62

Toluene

Concen: 6.419 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051478.D

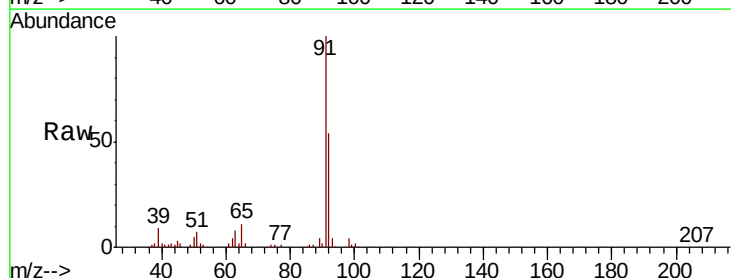
Acq: 25 Sep 2018 11:38

Tgt Ion: 91 Resp: 128557

Ion Ratio Lower Upper

91 100

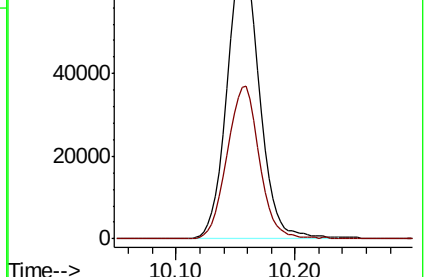
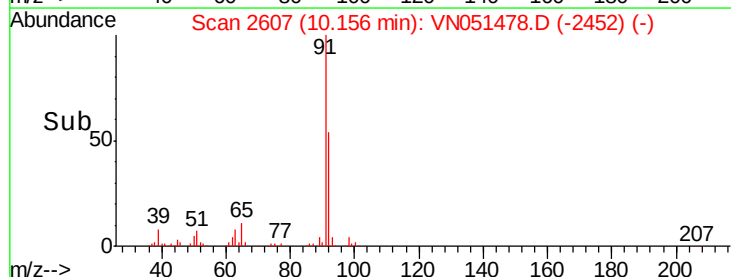
92 54.0 44.6 66.8

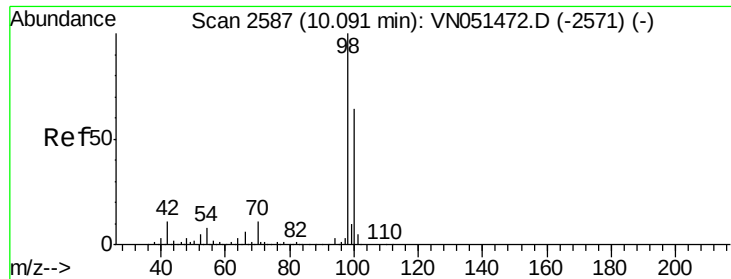


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Time-->





#63

Toluene-d8

Concen: 30.683 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

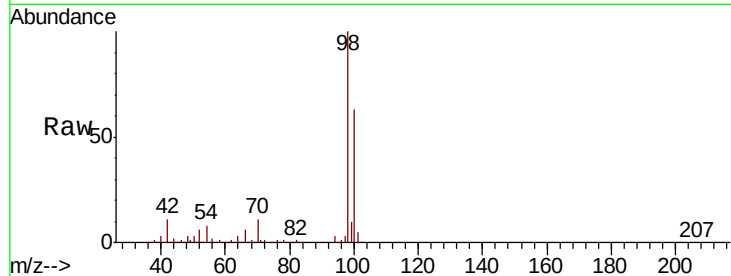
VSTDIC005

Tot Ion: 98 Resp: 575498

Ion Ratio Lower Upper

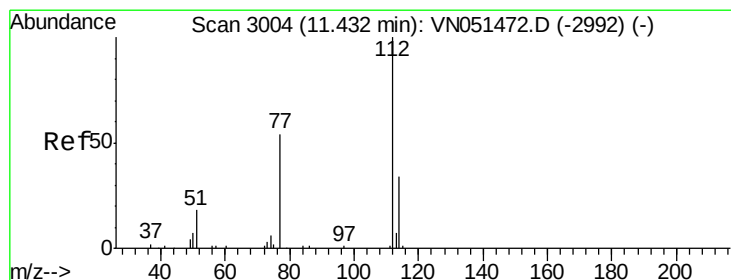
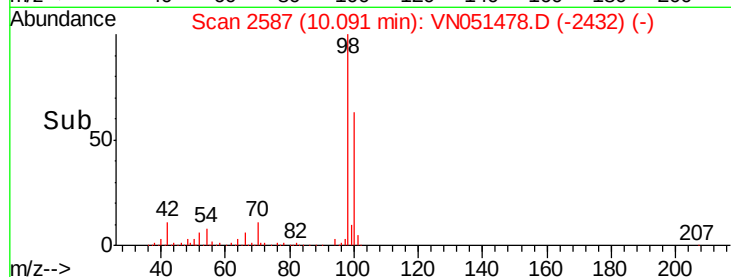
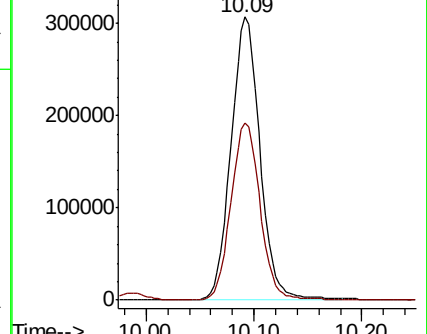
98 100

100 63.3 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 6.249 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051478.D

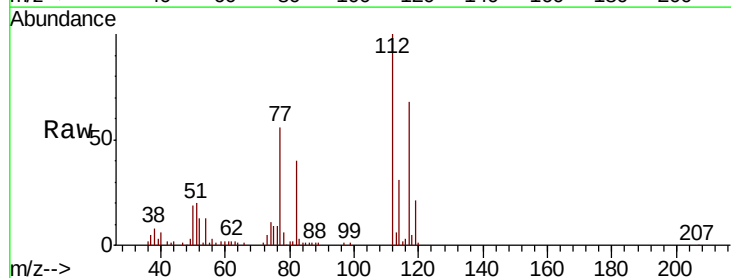
Acq: 25 Sep 2018 11:38

Tgt Ion: 112 Resp: 76725

Ion Ratio Lower Upper

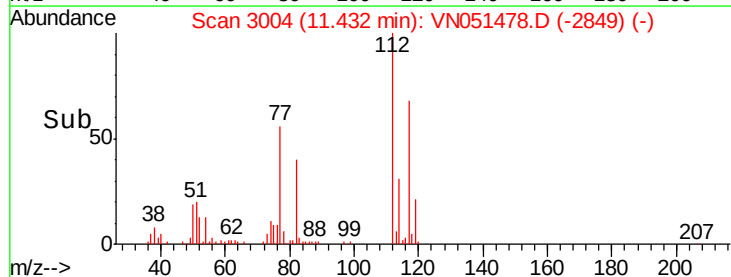
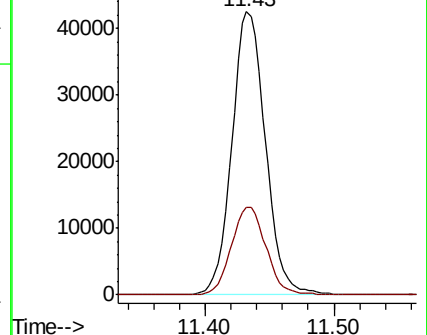
112 100

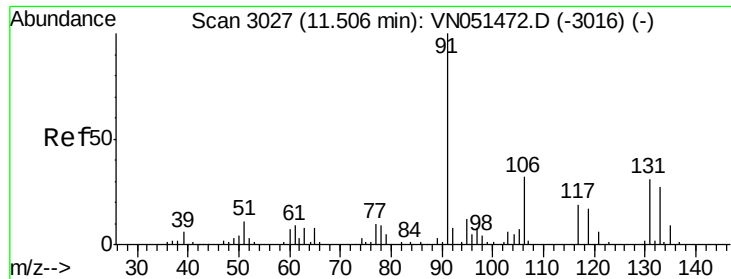
114 31.0 27.5 41.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 6.428 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

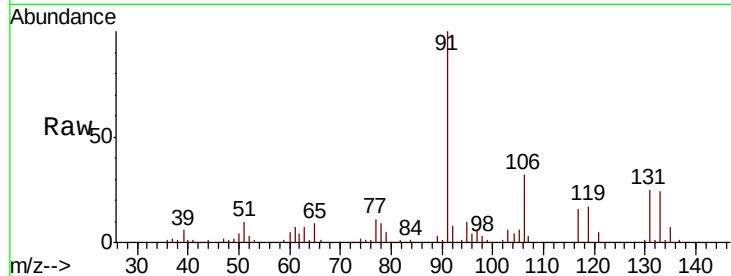
Tot Ion:131 Resp: 30512

Ion Ratio Lower Upper

131 100

133 93.7 0.0 190.4

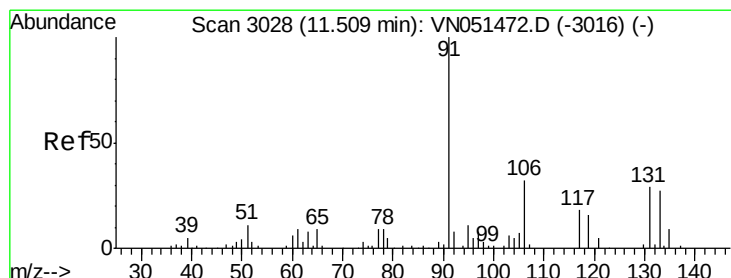
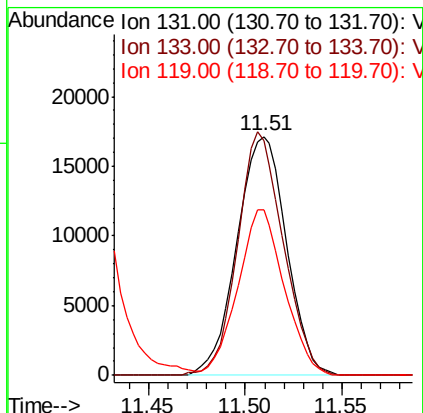
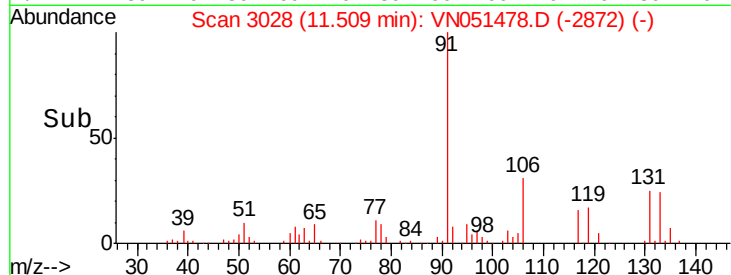
119 65.0 0.0 128.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 5.651 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051478.D

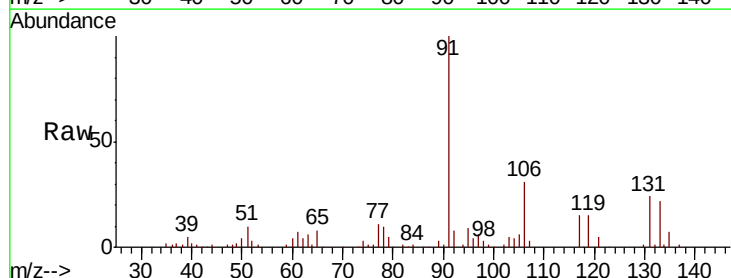
Acq: 25 Sep 2018 11:38

Tgt Ion: 91 Resp: 116739

Ion Ratio Lower Upper

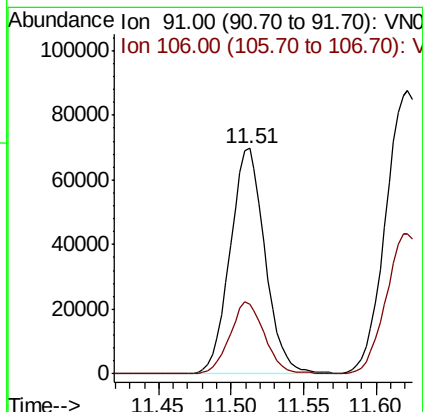
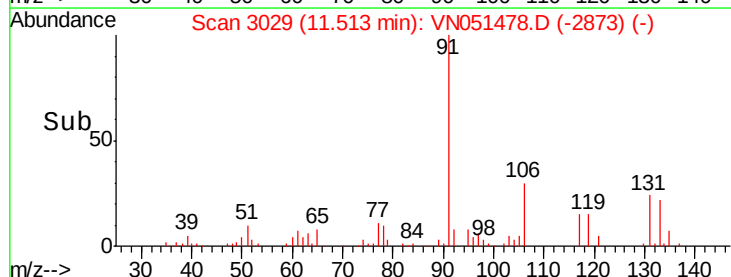
91 100

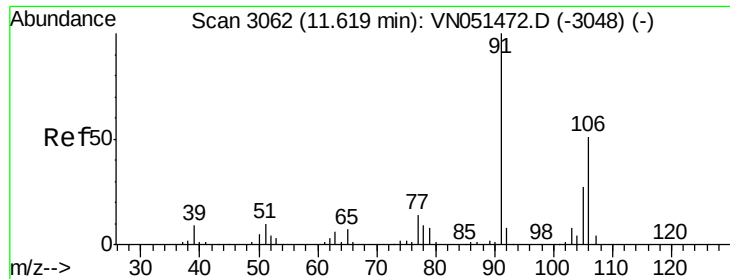
106 30.9 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

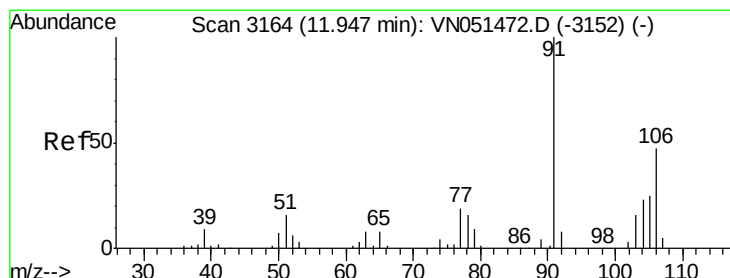
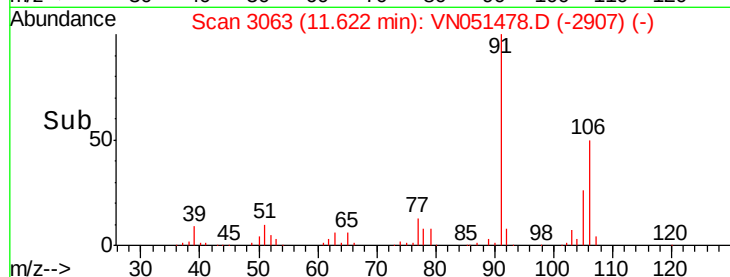
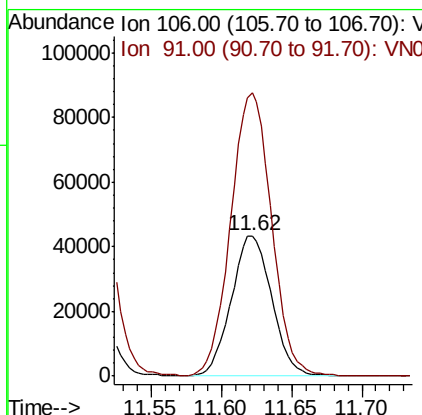
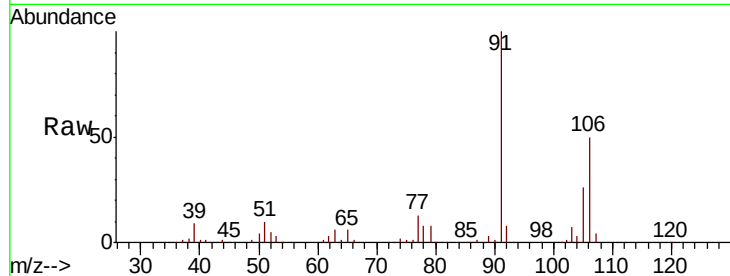




#67
m/p-Xylenes
Concen: 10.976 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

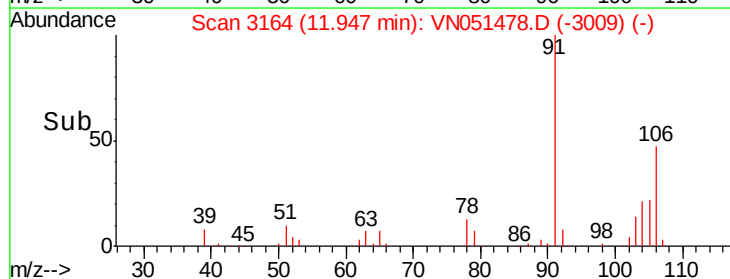
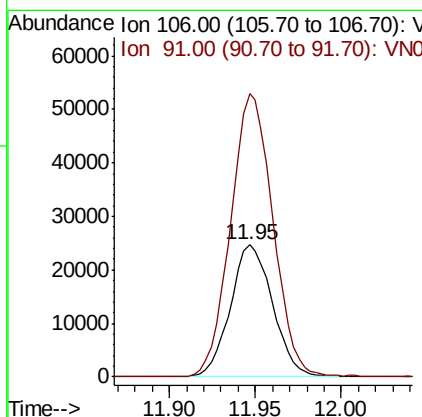
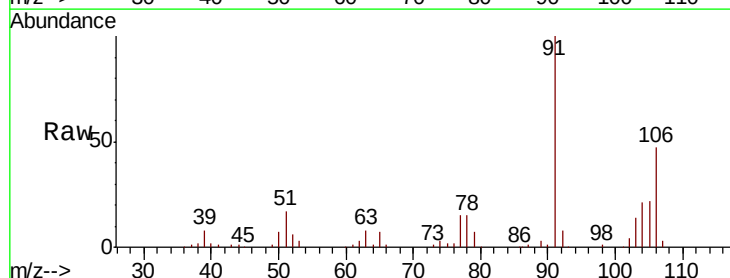
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

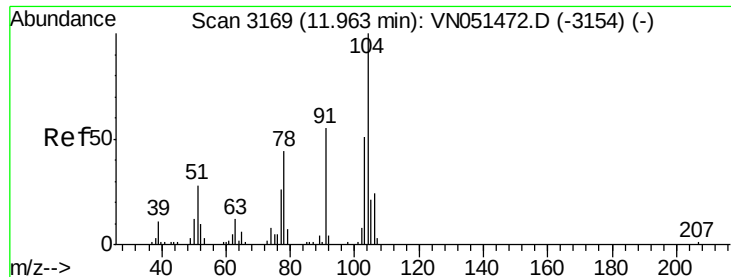
Tot Ion:106 Resp: 87295
Ion Ratio Lower Upper
106 100
91 202.2 158.8 238.2



#68
o-Xylene
Concen: 5.573 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion:106 Resp: 42214
Ion Ratio Lower Upper
106 100
91 215.1 111.1 333.3

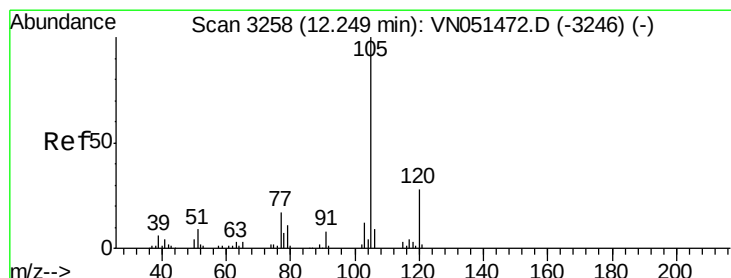
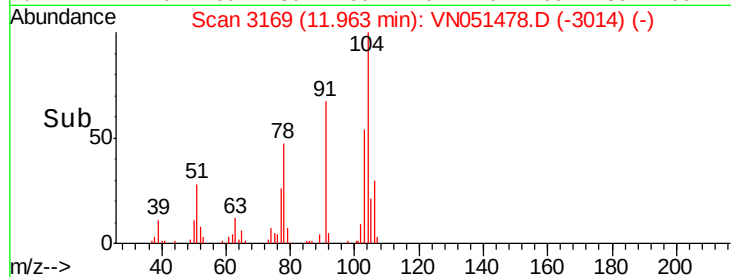
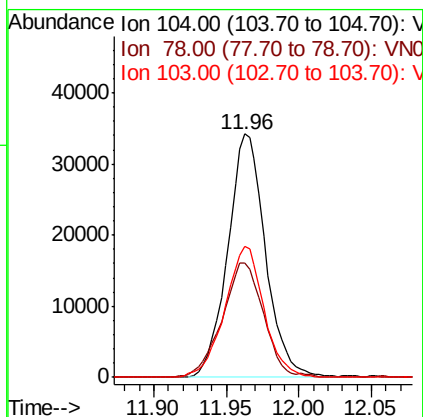
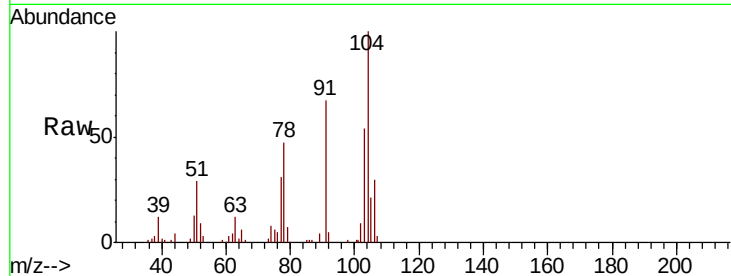




#69
Stvrene
Concen: 5.146 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

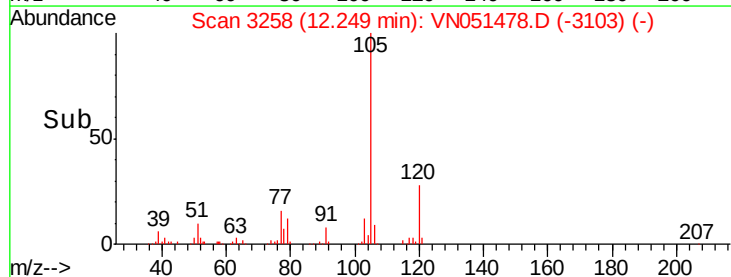
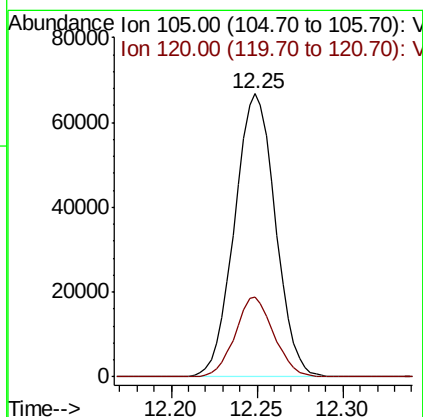
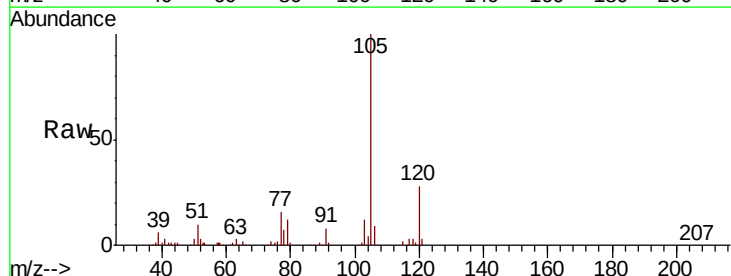
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

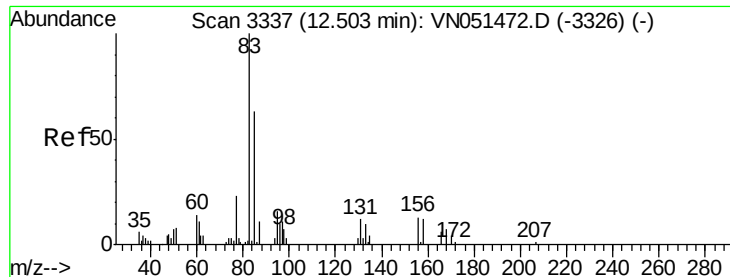
Tot Ion	Ratio	Lower	Upper
104	100		
78	51.0	40.6	60.8
103	55.6	44.0	66.0



#70
Isopropylbenzene
Concen: 5.429 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	19.0	35.4

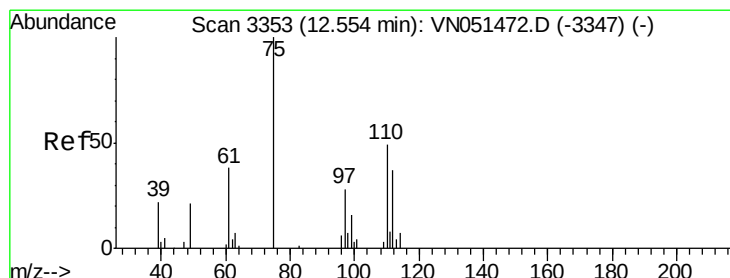
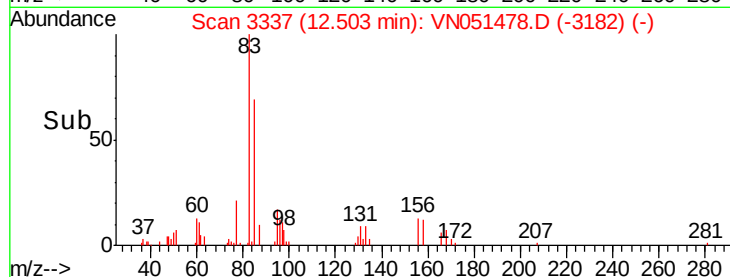
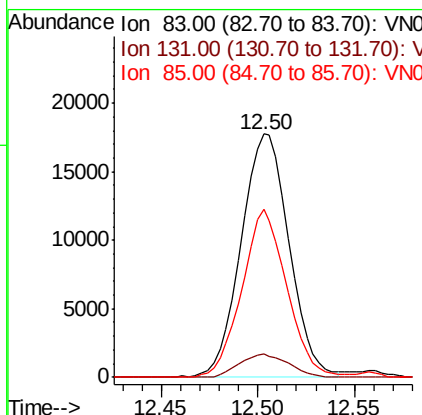
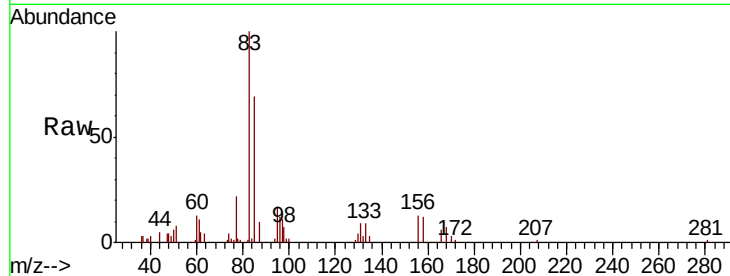




#71
 1,1,2,2-Tetrachloroethane
 Concen: 6.410 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

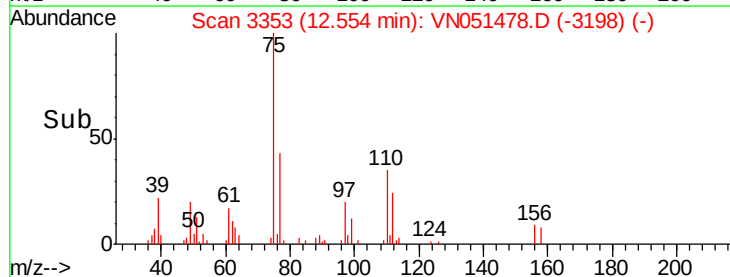
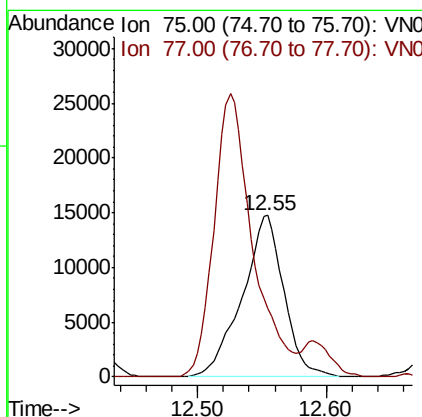
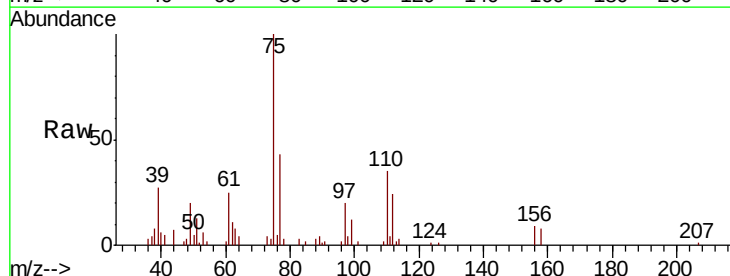
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

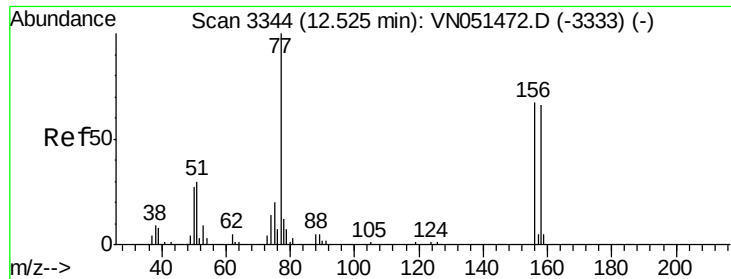
Tot Ion: 83 Resp: 30592
 Ion Ratio Lower Upper
 83 100
 131 9.8 5.5 16.4
 85 64.6 30.6 91.8



#72
 1,2,3-Trichloropropane
 Concen: 8.820 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion: 75 Resp: 33191
 Ion Ratio Lower Upper
 75 100
 77 162.1 0.0 400.0





#73

Bromobenzene

Concen: 5.863 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

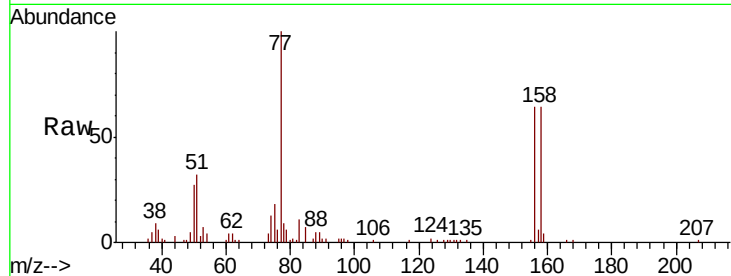
Tot Ion:156 Resp: 29958

Ion Ratio Lower Upper

156 100

77 179.6 0.0 377.4

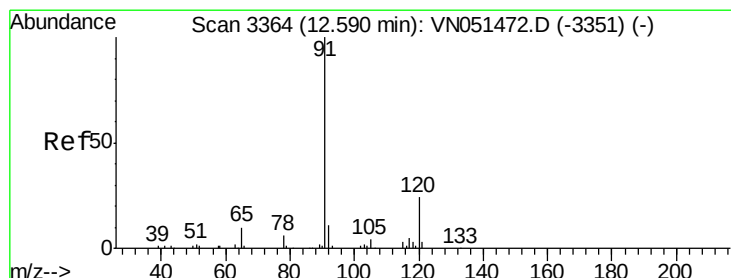
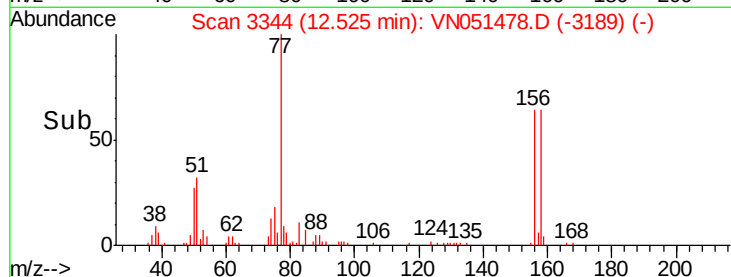
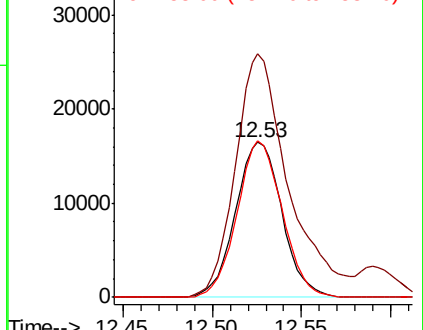
158 97.9 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 5.219 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051478.D

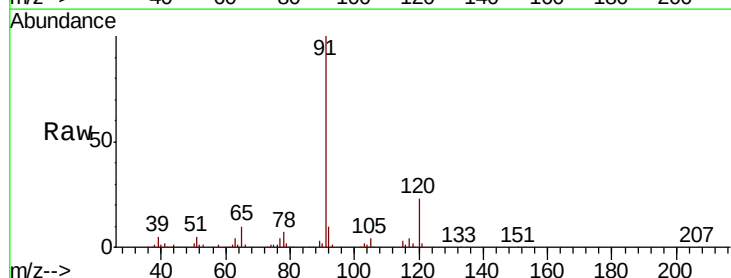
Acq: 25 Sep 2018 11:38

Tgt Ion: 91 Resp: 122998

Ion Ratio Lower Upper

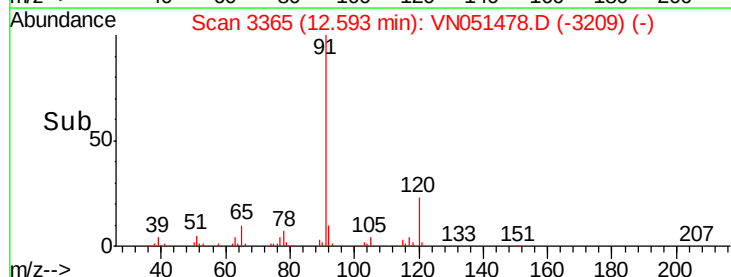
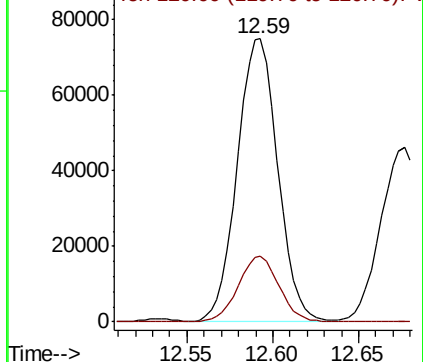
91 100

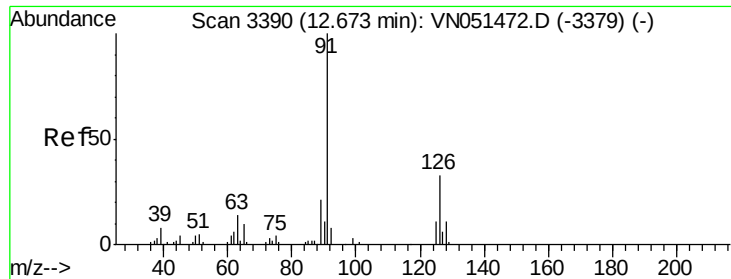
120 23.2 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 5.687 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

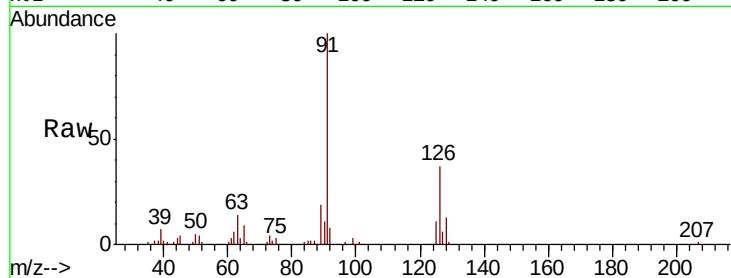
VSTDIC005

Tot Ion: 91 Resp: 79101

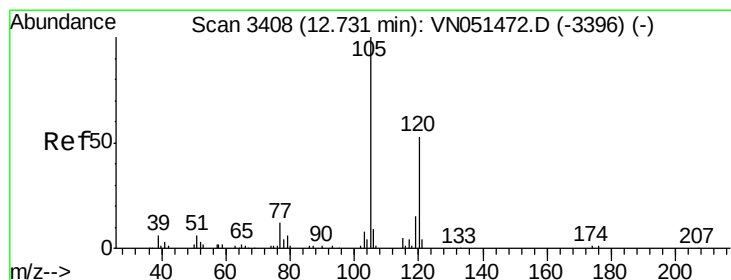
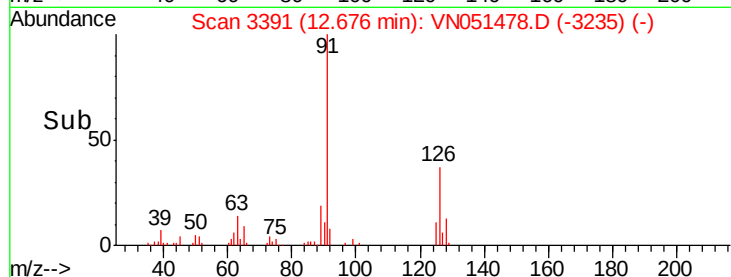
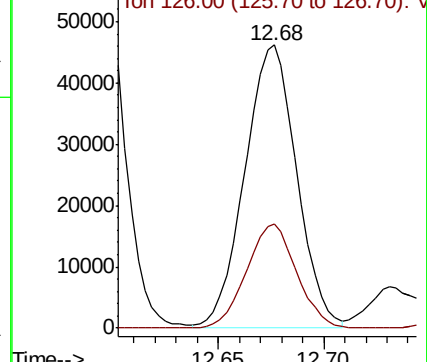
Ion Ratio Lower Upper

91 100

126 35.4 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN051478.D (-3390) (-)



#76

1,3,5-Trimethylbenzene

Concen: 5.175 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051478.D

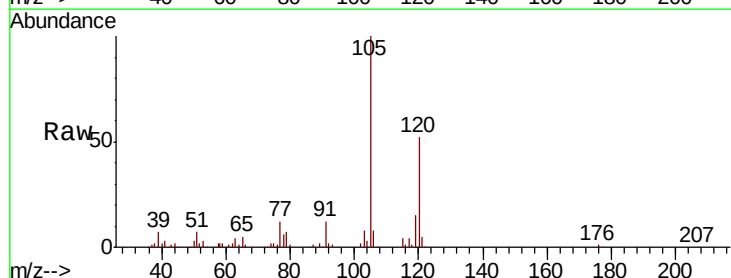
Acq: 25 Sep 2018 11:38

Tgt Ion: 105 Resp: 86576

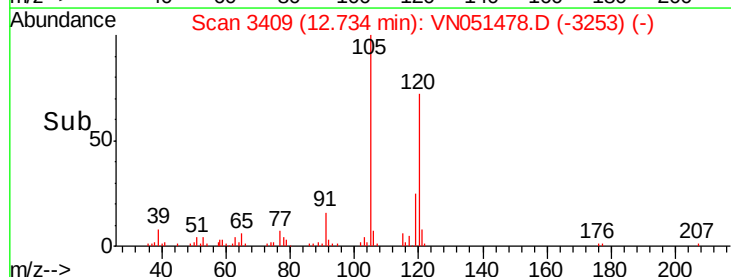
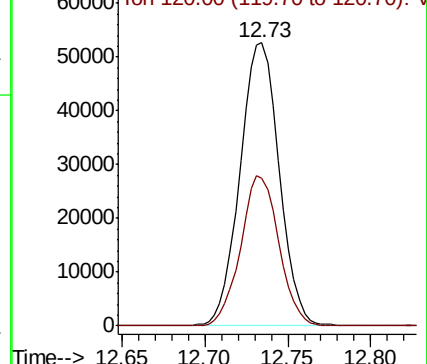
Ion Ratio Lower Upper

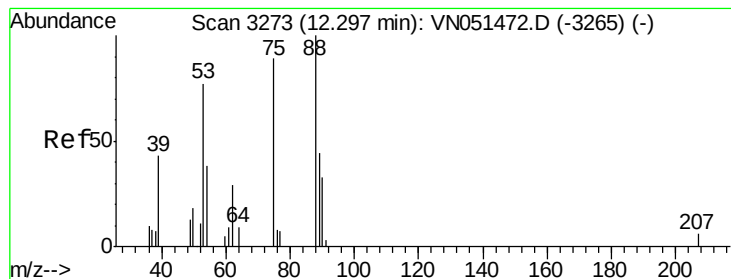
105 100

120 51.7 0.0 98.2



Abundance Ion 105.00 (104.70 to 105.70): VN051478.D (-3408) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 4.719 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

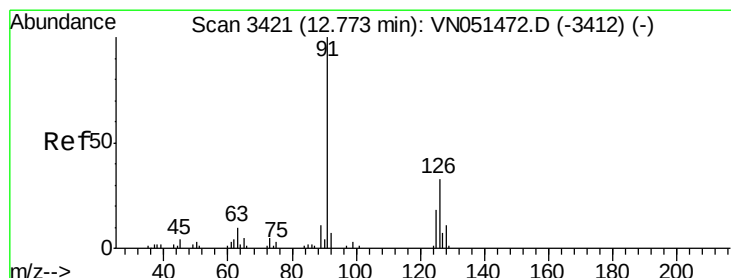
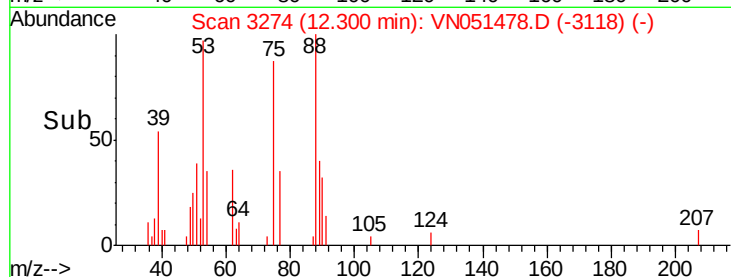
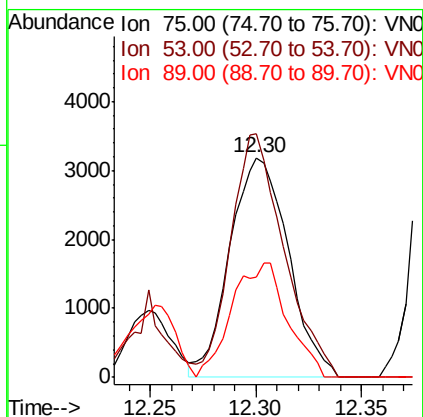
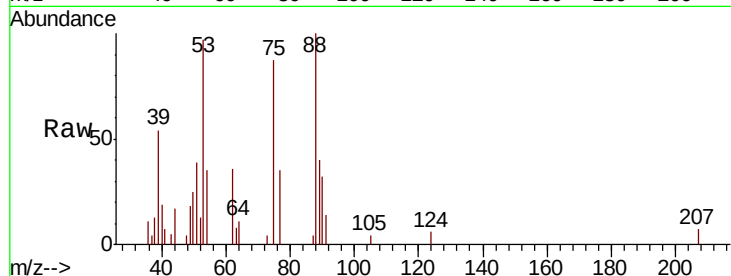
Tot Ion: 75 Resp: 6125

Ion Ratio Lower Upper

75 100

53 111.0 46.3 138.9

89 45.8 24.6 73.8



#78

4-Chlorotoluene

Concen: 5.372 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN051478.D

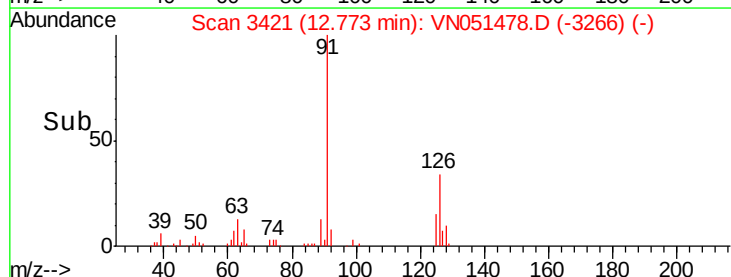
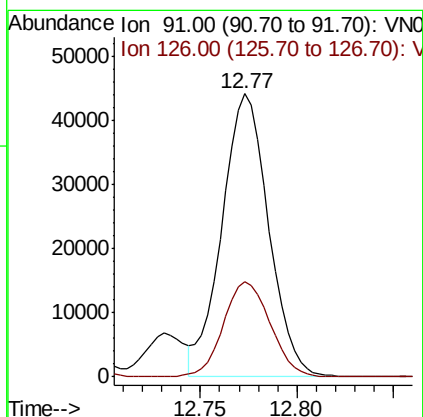
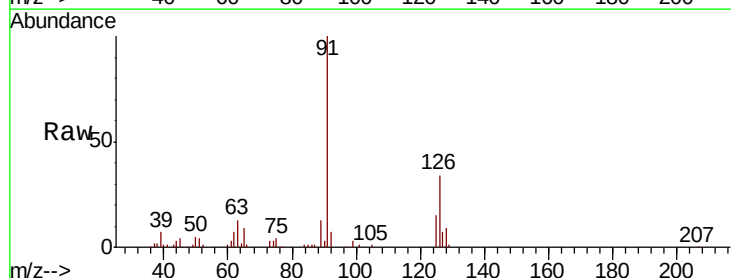
Acq: 25 Sep 2018 11:38

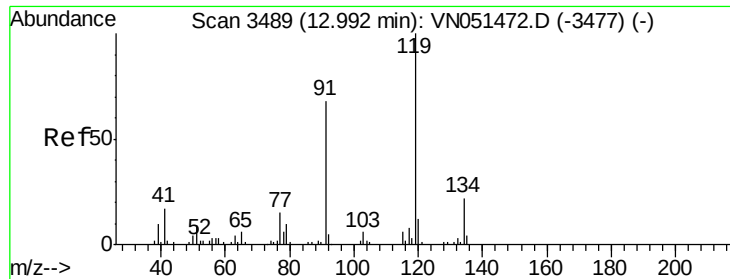
Tgt Ion: 91 Resp: 74108

Ion Ratio Lower Upper

91 100

126 33.7 0.0 65.2

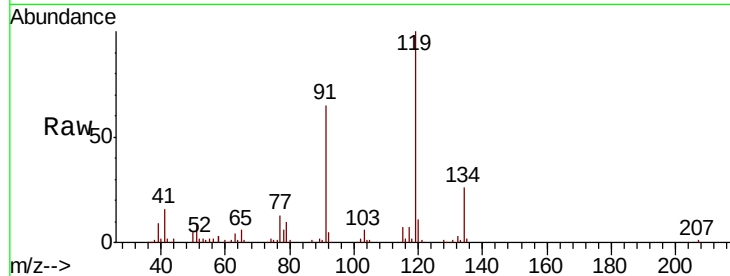




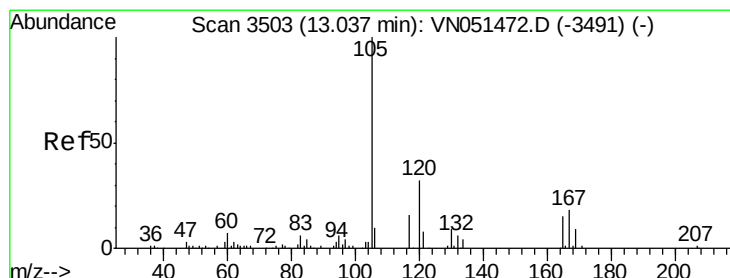
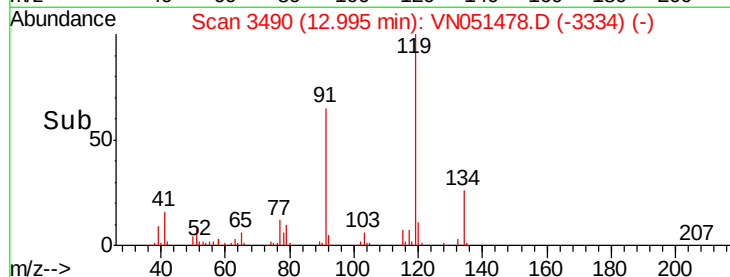
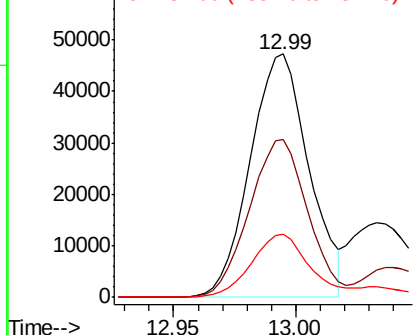
#79
tert-butylbenzene
Concen: 5.426 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:119 Resp: 79030
Ion Ratio Lower Upper
119 100
91 64.6 0.0 131.6
134 25.9 0.0 46.2

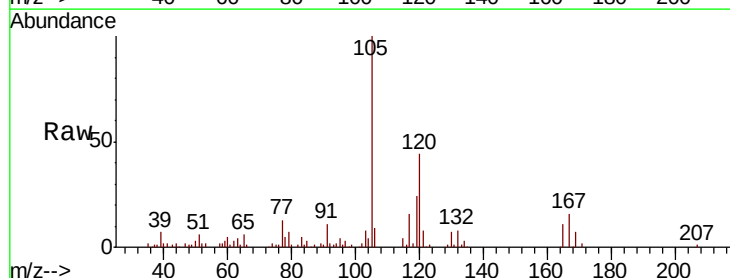


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

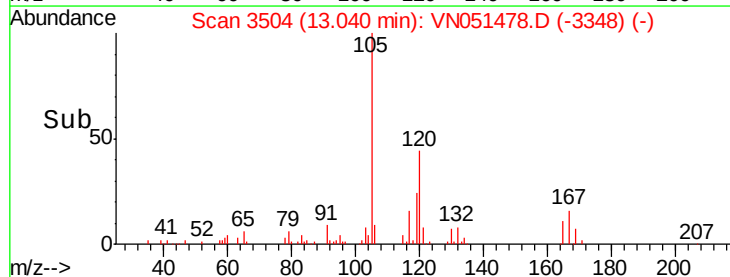
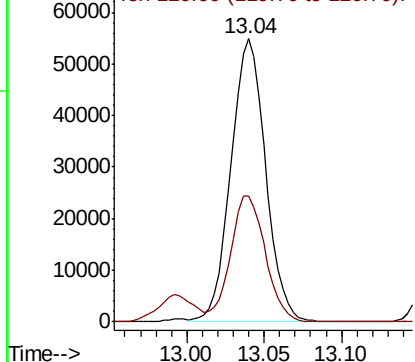


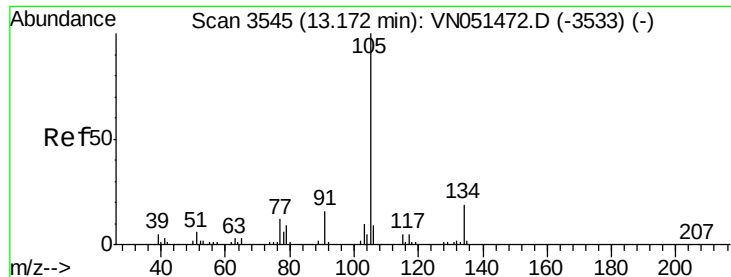
#80
1,2,4-Trimethylbenzene
Concen: 5.073 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion:105 Resp: 85307
Ion Ratio Lower Upper
105 100
120 44.8 0.0 89.6



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





#81

sec-Butylbenzene

Concen: 5.223 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

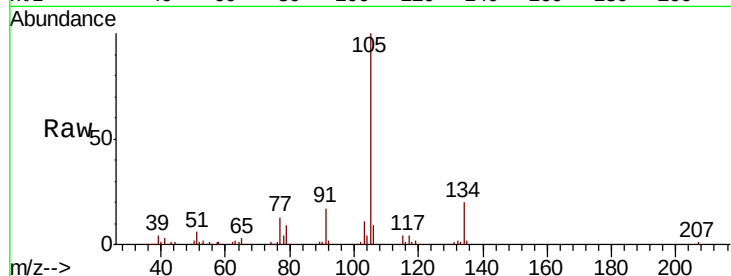
VSTDIC005

Tot Ion:105 Resp: 104636

Ion Ratio Lower Upper

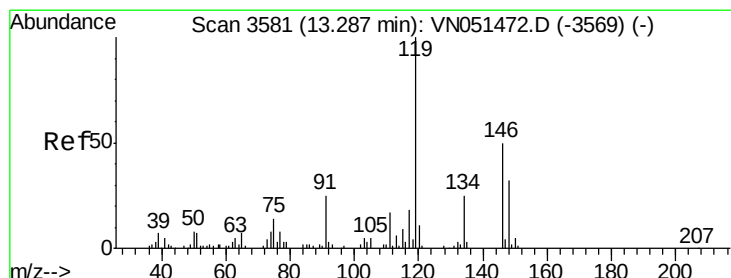
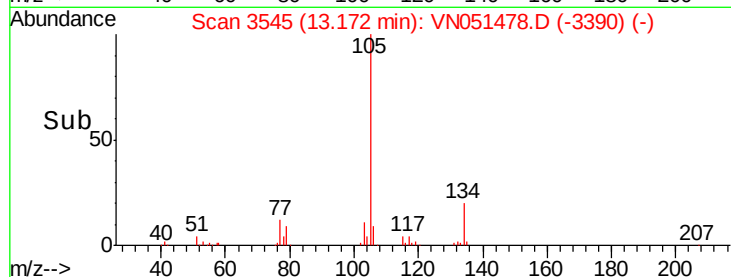
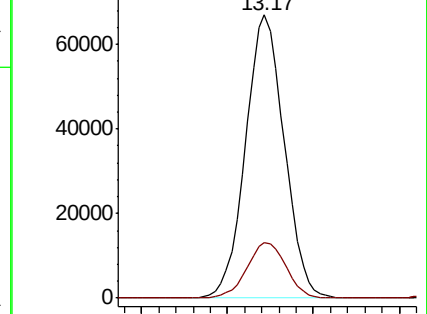
105 100

134 20.0 0.0 39.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 4.845 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

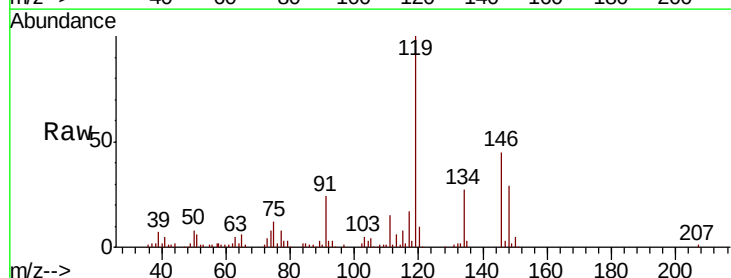
Tgt Ion:119 Resp: 83798

Ion Ratio Lower Upper

119 100

134 26.0 0.0 53.6

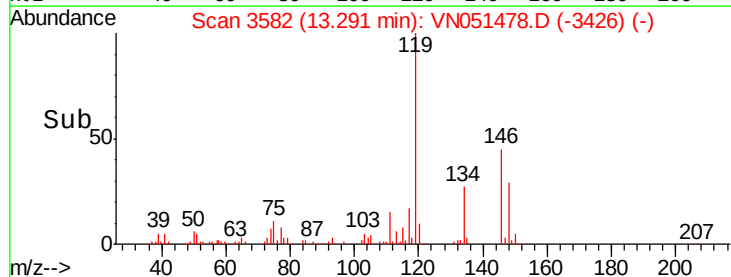
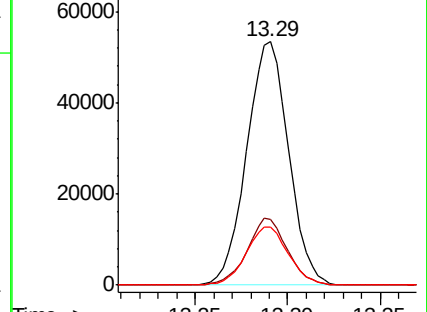
91 24.1 0.0 52.0

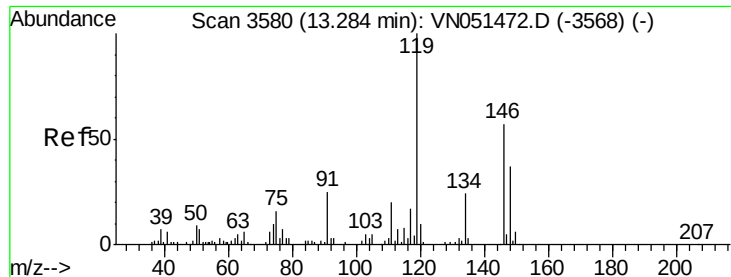


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

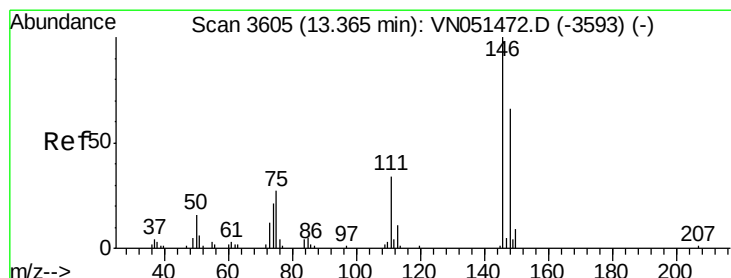
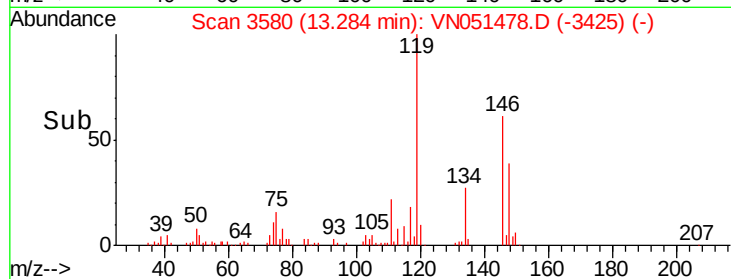
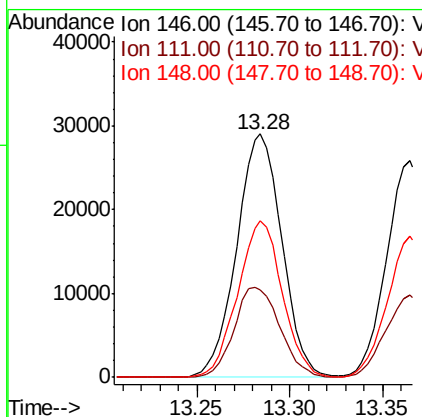
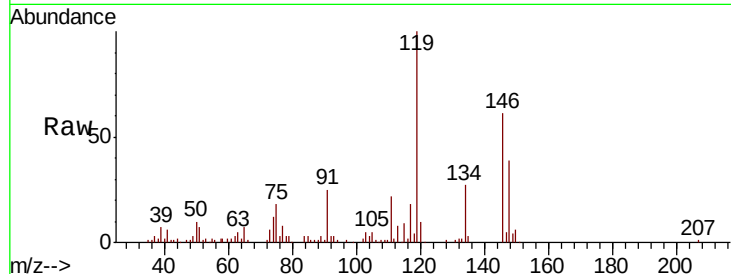




#83
 1,3-Dichlorobenzene
 Concen: 5.476 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

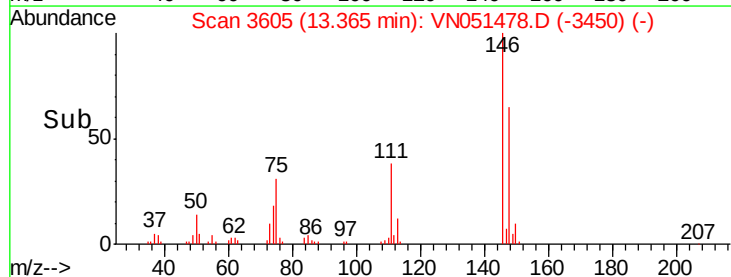
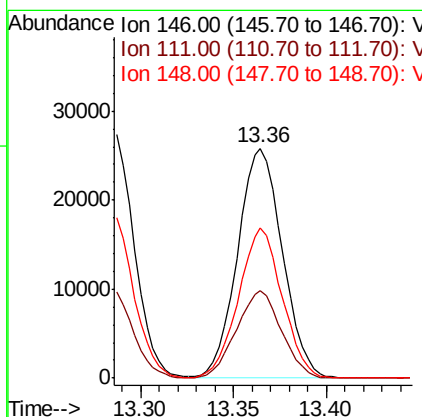
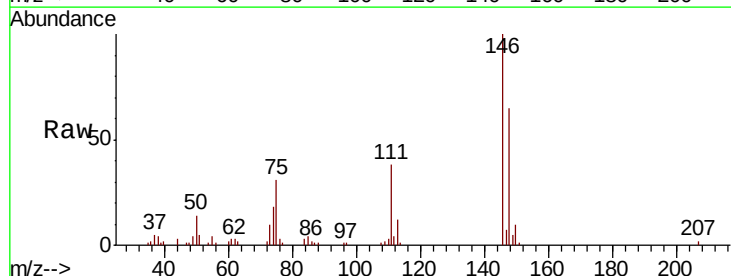
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

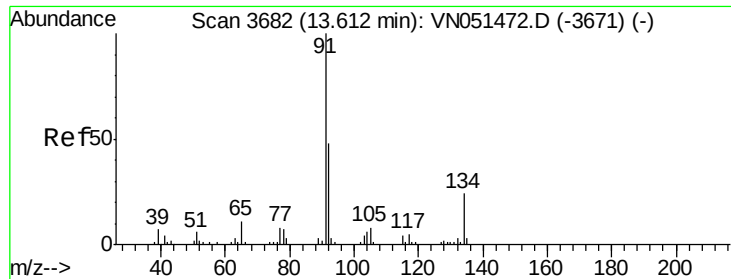
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.1	54.3
148	63.2	31.3	93.8



#84
 1,4-Dichlorobenzene
 Concen: 5.145 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	17.4	52.2
148	63.6	32.8	98.3





#85

n-Butylbenzene

Concen: 4.257 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051478.D

Acq: 25 Sep 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

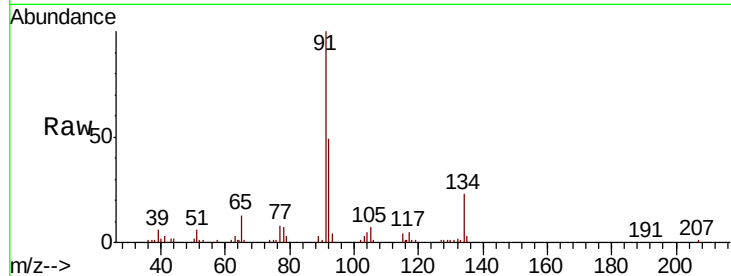
Tot Ion: 91 Resp: 60458

Ion Ratio Lower Upper

91 100

92 49.4 0.0 97.4

134 23.5 0.0 49.6



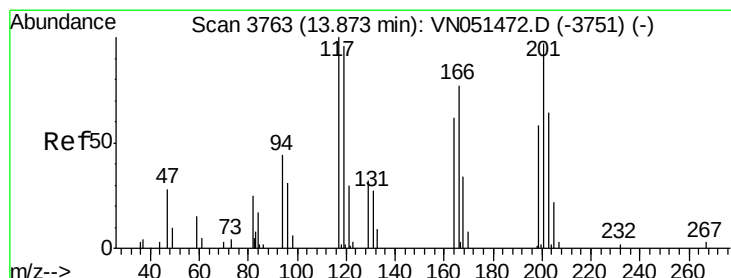
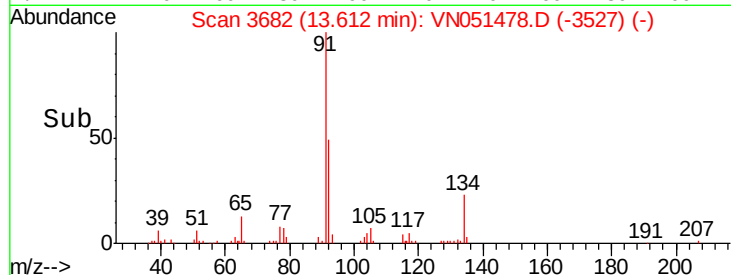
Abundance Ion 91.00 (90.70 to 91.70): VN051478.D (-3671) (-)

Ion 92.00 (91.70 to 92.70): VN051478.D (-3671) (-)

Ion 134.00 (133.70 to 134.70): VN051478.D (-3671) (-)

13.61

Time-->



#86

Hexachloroethane

Concen: 6.167 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN051478.D

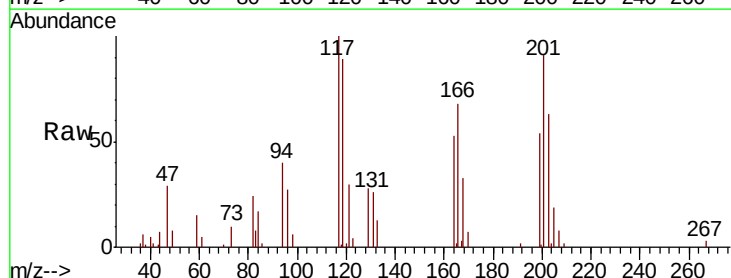
Acq: 25 Sep 2018 11:38

Tgt Ion: 117 Resp: 21373

Ion Ratio Lower Upper

117 100

201 92.7 47.8 143.3

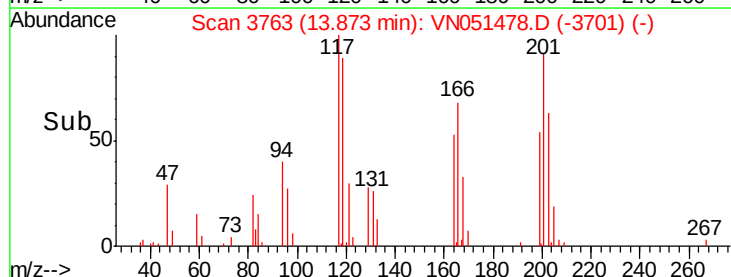


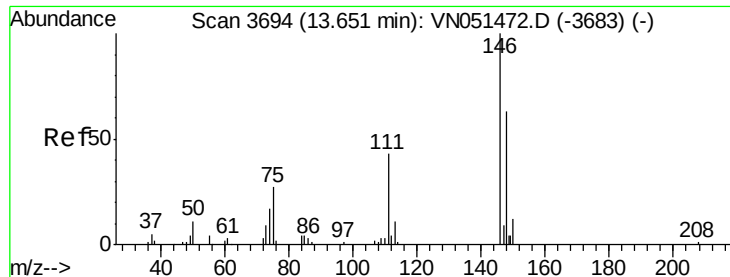
Abundance Ion 117.00 (116.70 to 117.70): VN051478.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN051478.D (-3751) (-)

13.87

Time-->

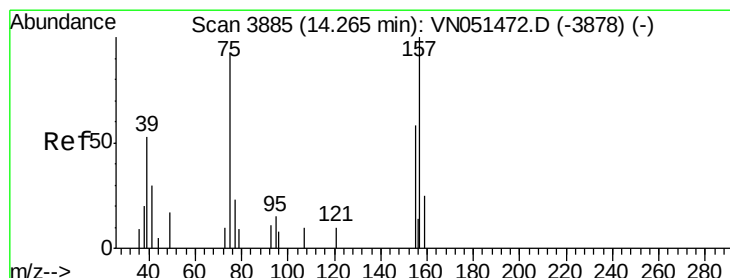
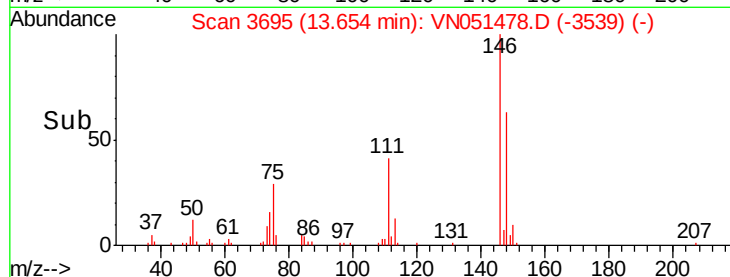
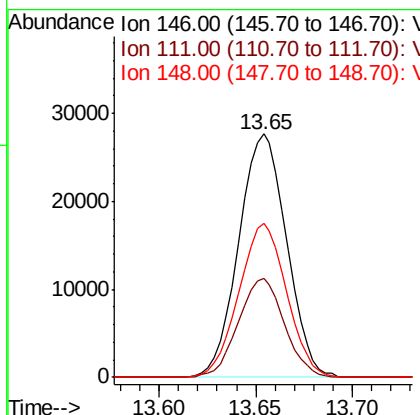
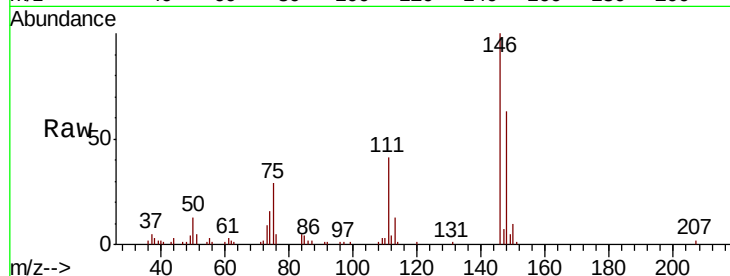




#87
 1,2-Dichlorobenzene
 Concen: 5.593 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

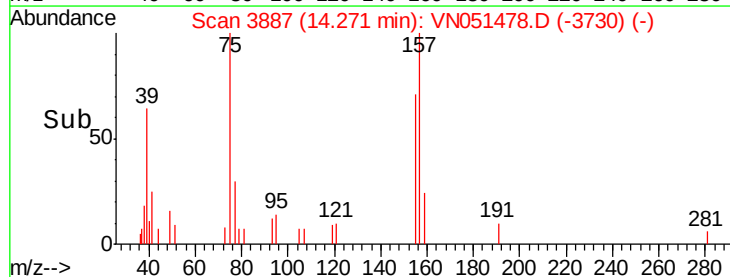
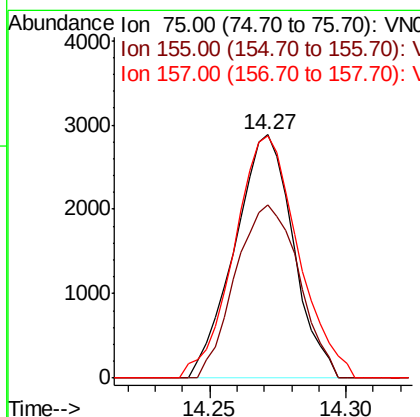
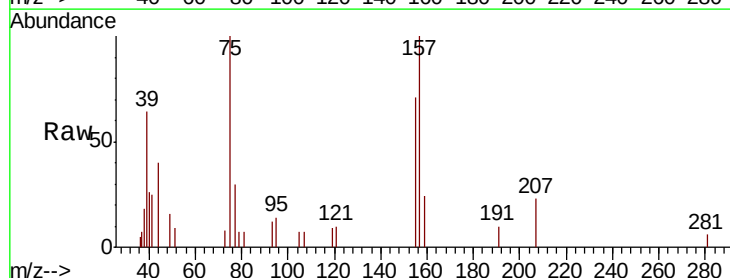
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

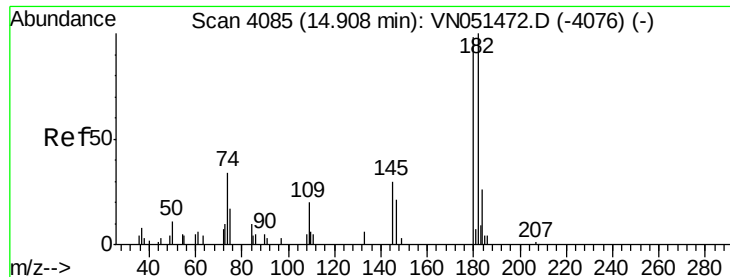
Tot Ion:146 Resp: 47519
 Ion Ratio Lower Upper
 146 100
 111 38.9 20.8 62.2
 148 63.2 33.2 99.6



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 6.092 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.01 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion: 75 Resp: 4291
 Ion Ratio Lower Upper
 75 100
 155 77.3 57.0 85.6
 157 108.8 87.4 131.0

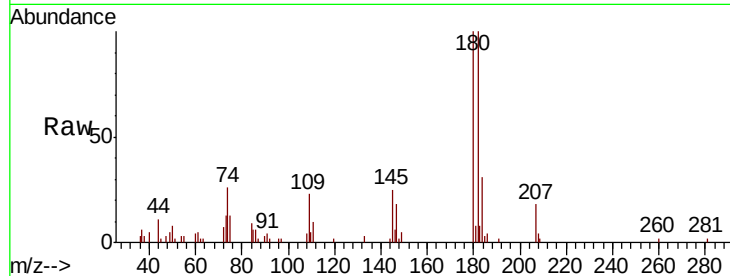




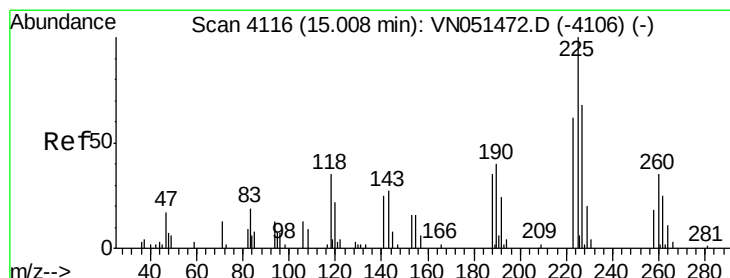
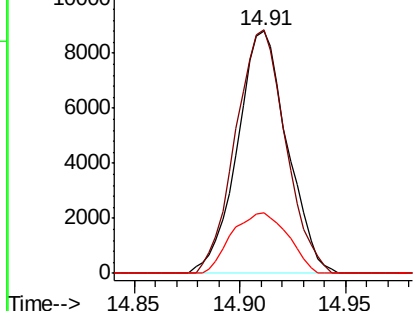
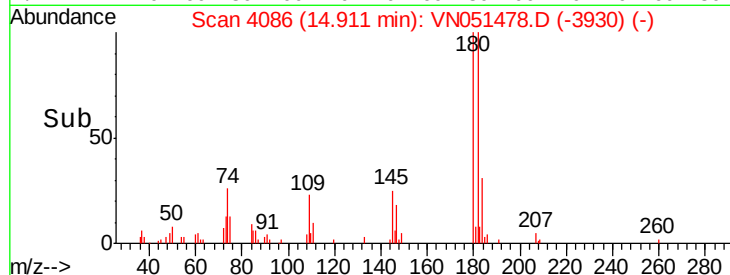
#89
 1,2,4-Trichlorobenzene
 Concen: 3.421 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 14476
 Ion Ratio Lower Upper
 180 100
 182 100.8 77.7 116.5
 145 28.1 23.4 35.2

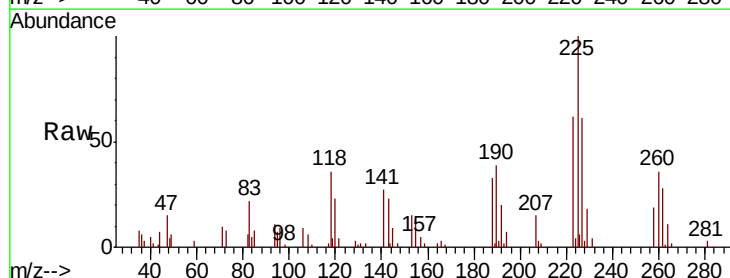


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

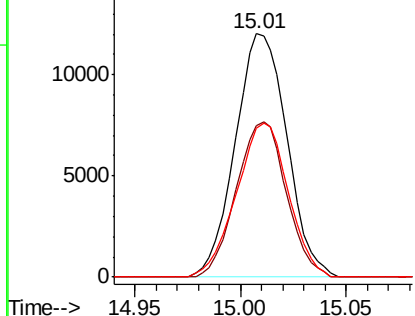
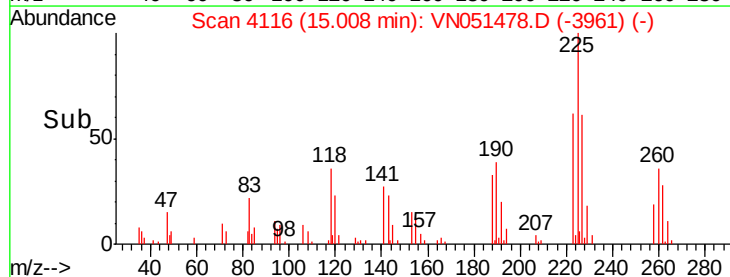


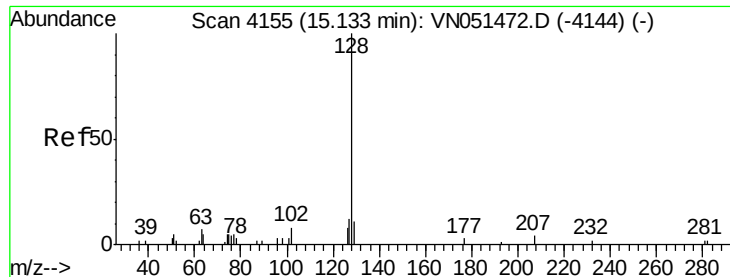
#90
 Hexachlorobutadiene
 Concen: 6.248 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN051478.D
 Acq: 25 Sep 2018 11:38

Tgt Ion:225 Resp: 20492
 Ion Ratio Lower Upper
 225 100
 223 61.5 0.0 117.0
 227 63.4 0.0 127.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

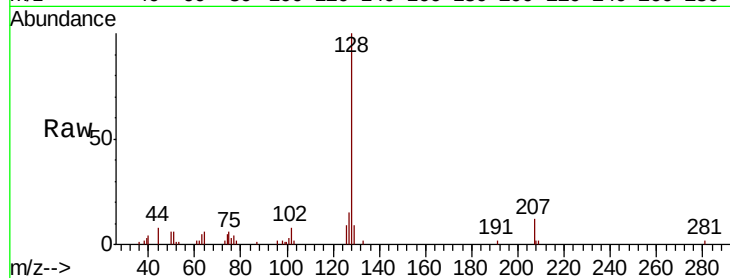




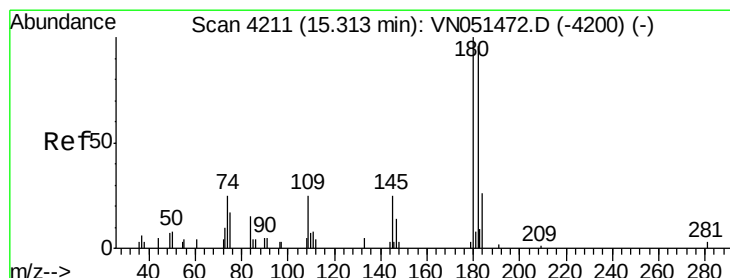
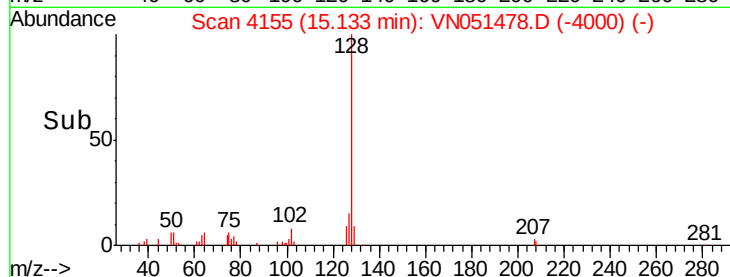
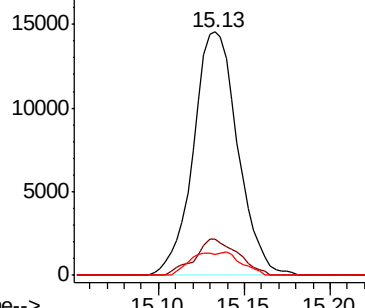
#91
Naphthalene
Concen: 3.273 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 26133
Ion Ratio Lower Upper
128 100
127 14.6 10.1 15.1
129 5.7 8.4 12.6#

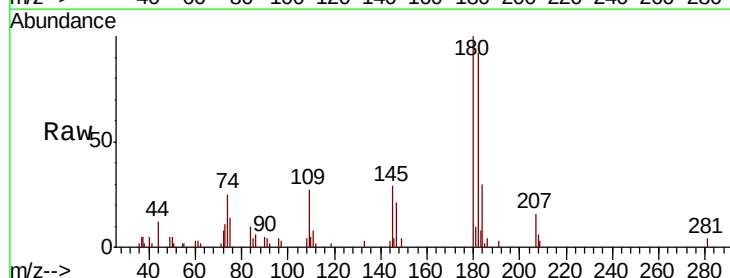


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92
1,2,3-Trichlorobenzene
Concen: 4.271 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051478.D
Acq: 25 Sep 2018 11:38

Tgt Ion:180 Resp: 18243
Ion Ratio Lower Upper
180 100
182 96.4 0.0 198.0
145 28.8 0.0 36.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

