

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
 Data File : VN050376.D
 Acq On : 6 Aug 2018 11:35
 Operator : MD\SY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 07 01:44:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 01:41:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	630593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	948110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	854955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	411319	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	45586	5.41	ug/l	0.00
Spiked Amount			Recovery	=	10.82%	
35) Dibromofluoromethane	7.59	113	39124	5.14	ug/l	0.00
Spiked Amount			Recovery	=	10.28%	
50) Toluene-d8	10.09	98	137679	4.81	ug/l	0.00
Spiked Amount			Recovery	=	9.62%	
62) 4-Bromofluorobenzene	12.40	95	42844	4.39	ug/l	0.00
Spiked Amount			Recovery	=	8.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	35046	5.007	ug/l	99
3) Chloromethane	2.06	50	48021	4.473	ug/l	99
4) Vinyl Chloride	2.18	62	46340	5.114	ug/l	98
5) Bromomethane	2.56	94	27197	6.339	ug/l	99
6) Chloroethane	2.70	64	28704	5.142	ug/l	95
7) Trichlorofluoromethane	3.01	101	63207	5.402	ug/l	100
8) Diethyl Ether	3.41	74	22537	5.252	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.75	101	38114	5.271	ug/l	97
10) Methyl Iodide	3.95	142	10755	3.376	ug/l #	95
11) Tert butyl alcohol	4.80	59	16544	24.443	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	34479	5.058	ug/l	99
13) Acrolein	3.61	56	22993	39.570	ug/l	99
14) Allyl chloride	4.32	41	55896	5.106	ug/l	98
15) Acrylonitrile	4.99	53	69745	24.601	ug/l	99
16) Acetone	3.82	43	68115	26.788	ug/l	98
17) Carbon Disulfide	4.05	76	114483	5.164	ug/l	99
18) Methyl Acetate	4.33	43	38315	5.697	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	95394	4.930	ug/l	97
20) Methylene Chloride	4.55	84	47158	4.733	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	38615	5.234	ug/l	93
22) Diisopropyl ether	5.96	45	110200	4.927	ug/l	95
23) Vinyl Acetate	5.90	43	386032	24.192	ug/l	99
24) 1,1-Dichloroethane	5.85	63	73708	5.371	ug/l	99
25) 2-Butanone	6.84	43	103192	24.717	ug/l	97
26) 2,2-Dichloropropane	6.82	77	60225	5.323	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	41663	5.095	ug/l	98
28) Bromochloromethane	7.19	49	33053	5.232	ug/l	100
29) Tetrahydrofuran	7.22	42	54104	24.211	ug/l	99
30) Chloroform	7.37	83	74289	5.415	ug/l	98
31) Cyclohexane	7.66	56	66600	4.947	ug/l #	81
32) 1,1,1-Trichloroethane	7.57	97	63470	5.387	ug/l	99
36) 1,1-Dichloropropene	7.79	75	52945	5.082	ug/l	99
37) Ethyl Acetate	6.94	43	34897	4.652	ug/l	96
38) Carbon Tetrachloride	7.78	117	55802	5.135	ug/l	97

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Aug 07 01:44:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	52900	4.652	ug/l	96
40) Benzene	8.04	78	163680	5.111	ug/l	99
41) Methacrylonitrile	7.21	41	52995	13.285	ug/l #	18
42) 1,2-Dichloroethane	8.13	62	51949	5.109	ug/l	100
43) Isopropyl Acetate	8.17	43	66885	5.165	ug/l	99
44) Trichloroethene	8.84	130	43237	5.024	ug/l	92
45) 1,2-Dichloropropane	9.12	63	43507	5.167	ug/l	97
46) Dibromomethane	9.21	93	27476	5.284	ug/l	99
47) Bromodichloromethane	9.40	83	56007	5.200	ug/l	99
48) Methyl methacrylate	9.20	41	29793	4.590	ug/l	98
49) 1,4-Dioxane	9.20	88	8631	86.266	ug/l	90
51) 4-Methyl-2-Pentanone	9.99	43	223879	24.004	ug/l	99
52) Toluene	10.16	92	95265	4.952	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	51508	4.763	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	58332	4.834	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	39353	5.240	ug/l	95
56) Ethyl methacrylate	10.43	69	43155	5.632	ug/l	97
57) 1,3-Dichloropropane	10.71	76	61638	5.000	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	97687	26.529	ug/l	99
59) 2-Hexanone	10.75	43	152598	23.444	ug/l	98
60) Dibromochloromethane	10.90	129	40782	4.929	ug/l	98
61) 1,2-Dibromoethane	11.01	107	37787	5.104	ug/l	99
64) Tetrachloroethene	10.63	164	41310	5.171	ug/l	98
65) Chlorobenzene	11.44	112	109721	5.119	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	40896	5.242	ug/l	100
67) Ethyl Benzene	11.51	91	167262	4.828	ug/l	100
68) m/p-Xylenes	11.62	106	124444	9.435	ug/l	99
69) o-Xylene	11.95	106	60056	4.727	ug/l	98
70) Styrene	11.97	104	94139	4.556	ug/l	100
71) Bromoform	12.13	173	28045	4.919	ug/l #	99
73) Isopropylbenzene	12.25	105	159300	5.159	ug/l	100
74) N-amyl acetate	12.07	43	49018	4.898	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	48927	5.492	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	56776	7.626	ug/l #	100
77) Bromobenzene	12.53	156	42639	5.155	ug/l	97
78) n-propylbenzene	12.59	91	173437	4.963	ug/l	99
79) 2-Chlorotoluene	12.68	91	110444	5.117	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	126655	5.053	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	9963	4.702	ug/l	92
82) 4-Chlorotoluene	12.77	91	109960	5.108	ug/l	100
83) tert-Butylbenzene	12.99	119	112355	5.139	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	126300	4.974	ug/l	99
85) sec-Butylbenzene	13.17	105	144803	4.969	ug/l	100
86) p-Isopropyltoluene	13.29	119	121386	4.860	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	75230	5.106	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	74650	5.074	ug/l	94
89) n-Butylbenzene	13.62	91	95547	4.494	ug/l	99
90) Hexachloroethane	13.88	117	22401	5.044	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	77236	5.230	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	8001	5.290	ug/l	93

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Aug 07 01:44:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 01:41:27 2018
Response via : Initial Calibration

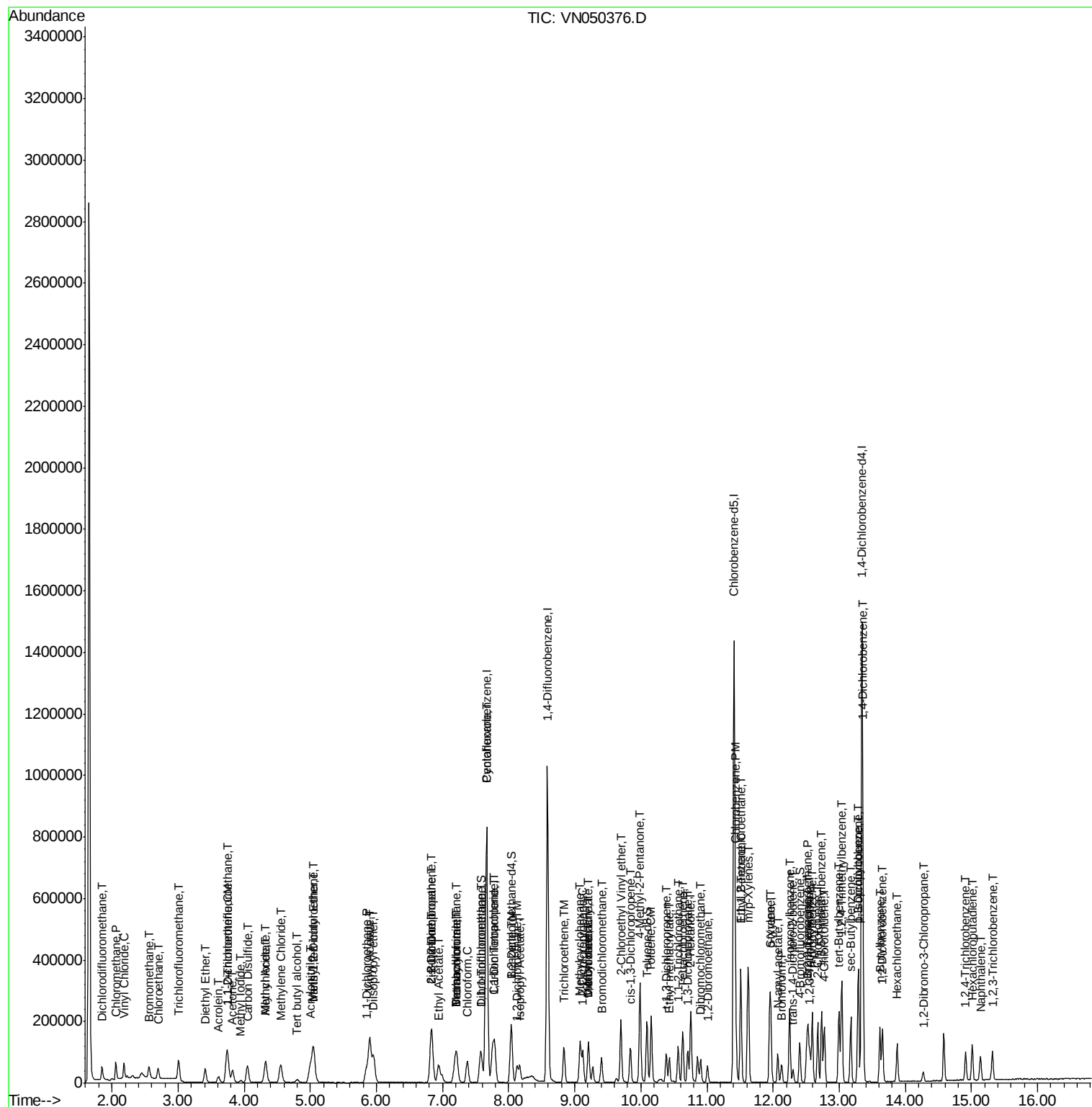
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	31581	4.198	ug/l	97
94) Hexachlorobutadiene	15.01	225	24189	4.387	ug/l	97
95) Naphthalene	15.14	128	66334	6.710	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	34263	4.505	ug/l	96

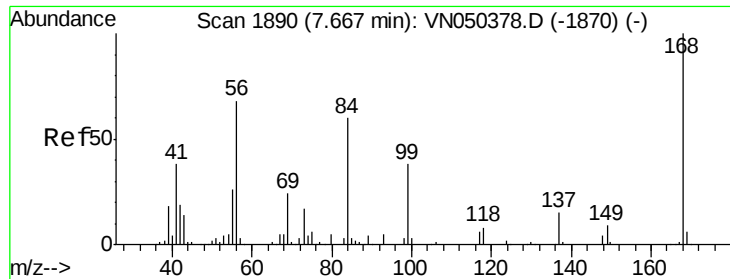
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080618\
Data File : VN050376.D
Acq On : 6 Aug 2018 11:35
Operator : MD\SY
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Quant Time: Aug 07 01:44:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 07 01:41:27 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

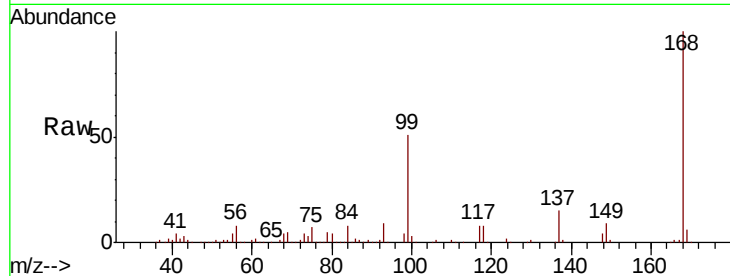
VSTDIC005

Tot Ion:168 Resp: 630593

Ion Ratio Lower Upper

168 100

99 50.4 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050378.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050378.D (-1870) (-)

7.67

250000

200000

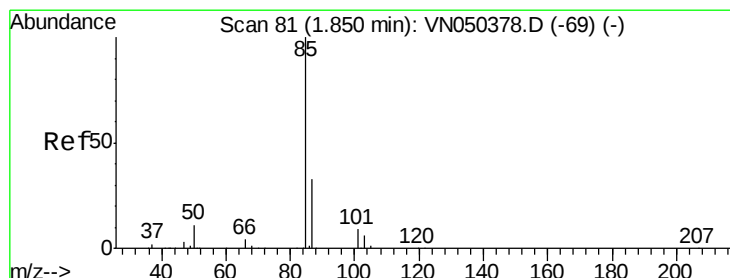
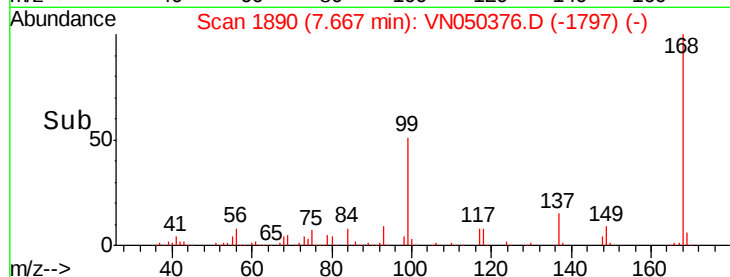
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.007 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050376.D

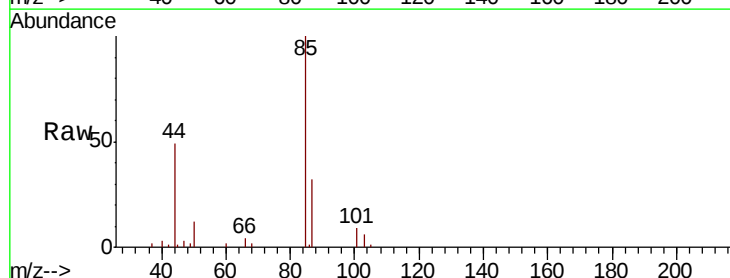
Acq: 6 Aug 2018 11:35

Tgt Ion: 85 Resp: 35046

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN050378.D (-69) (-)

Ion 86.90 (86.60 to 87.60): VN050378.D (-69) (-)

1.85

25000

20000

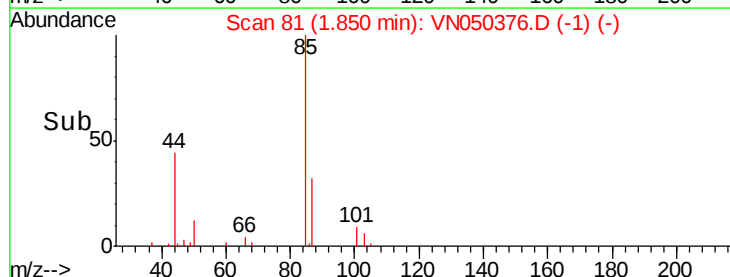
15000

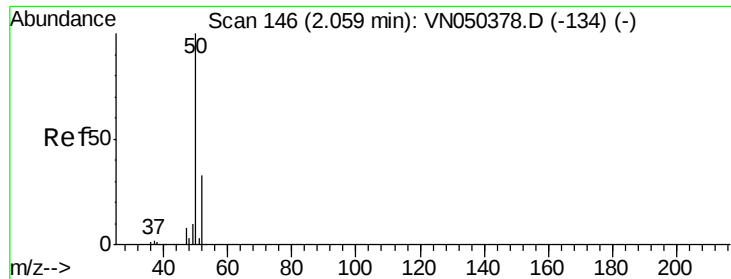
10000

5000

0

Time-->





#3

Chloromethane

Concen: 4.473 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

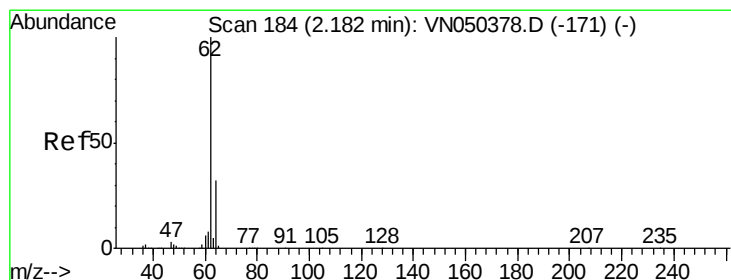
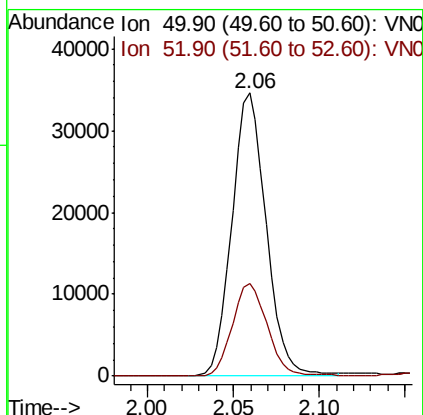
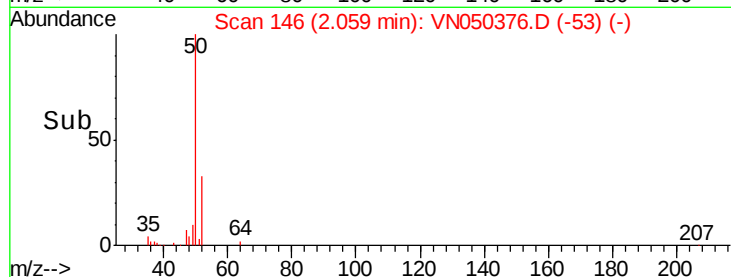
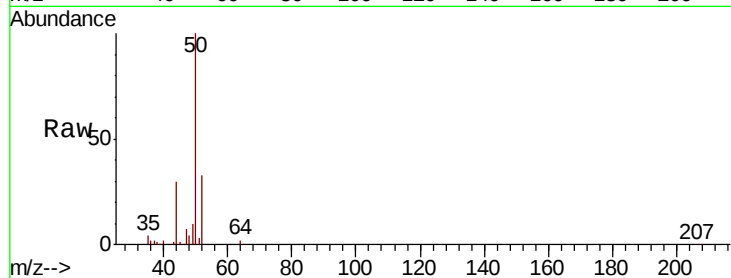
VSTDIC005

Tot Ion: 50 Resp: 48021

Ion Ratio Lower Upper

50 100

52 32.9 25.9 38.9



#4

Vinyl Chloride

Concen: 5.114 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050376.D

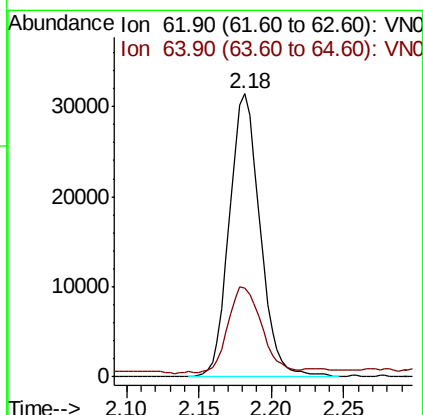
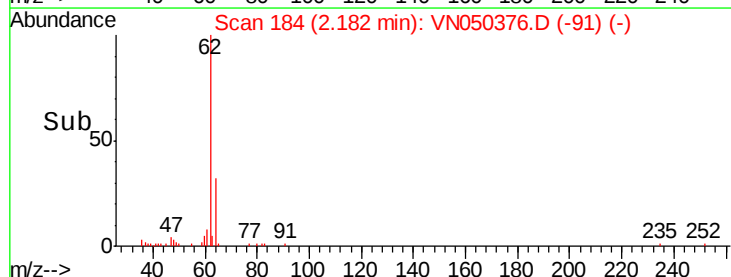
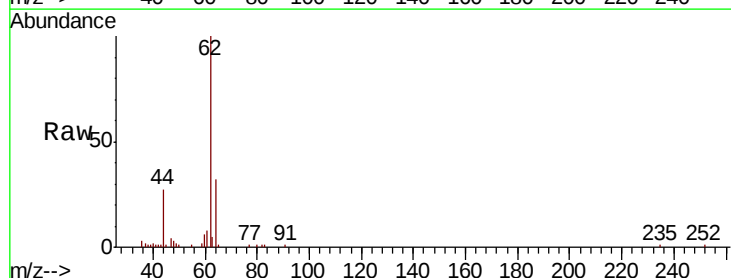
Acq: 6 Aug 2018 11:35

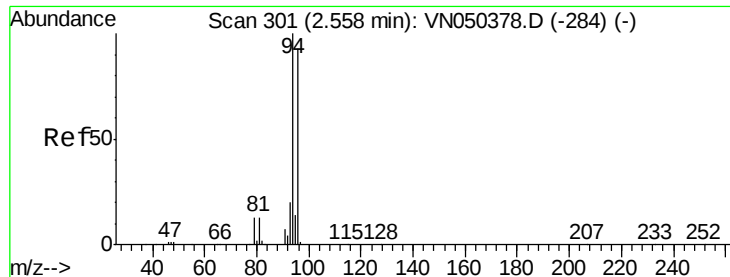
Tgt Ion: 62 Resp: 46340

Ion Ratio Lower Upper

62 100

64 29.7 24.7 37.1





#5

Bromomethane

Concen: 6.339 ug/l

RT: 2.56 min Scan# 301

Delta R.T. 0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

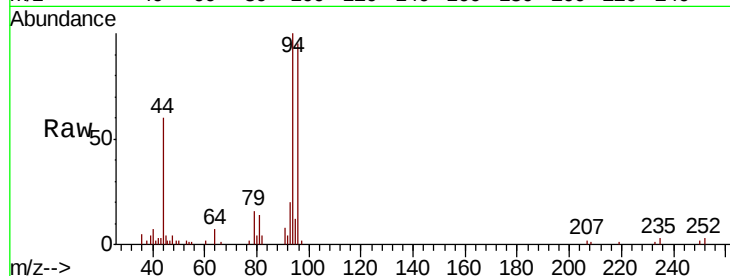
VSTDIC005

Tot Ion: 94 Resp: 27197

Ion Ratio Lower Upper

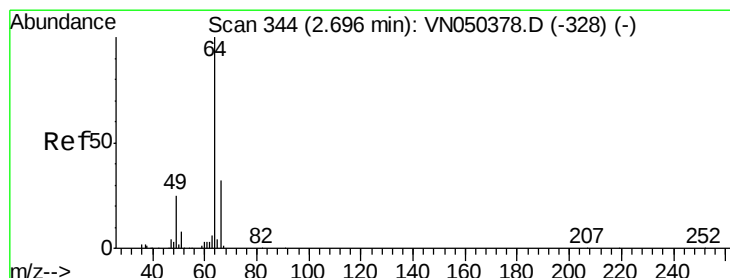
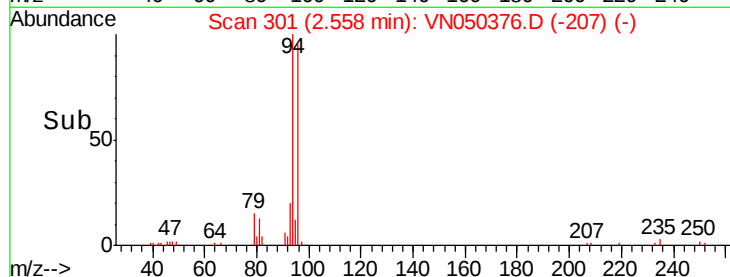
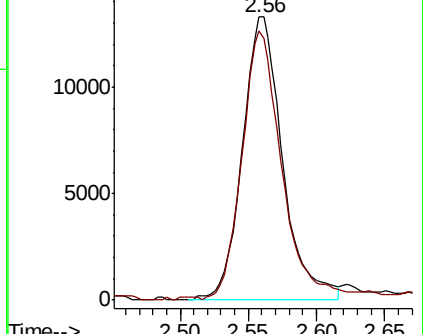
94 100

96 93.8 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.142 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN050376.D

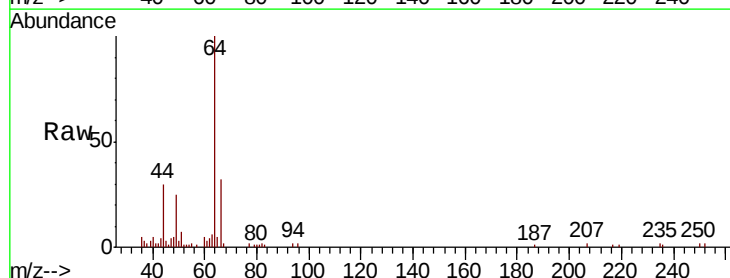
Acq: 6 Aug 2018 11:35

Tgt Ion: 64 Resp: 28704

Ion Ratio Lower Upper

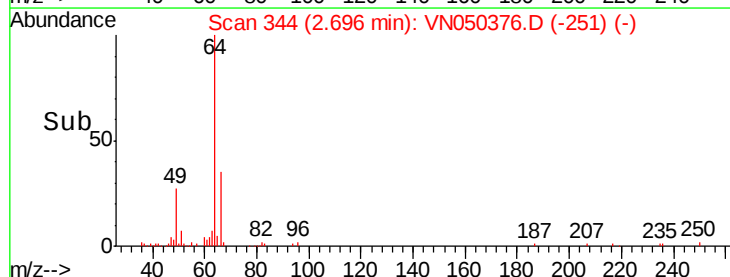
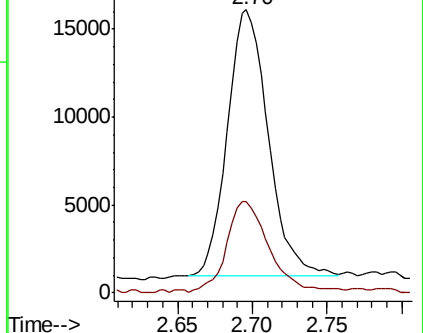
64 100

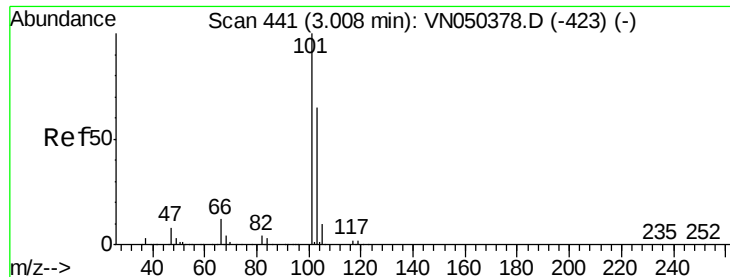
66 34.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



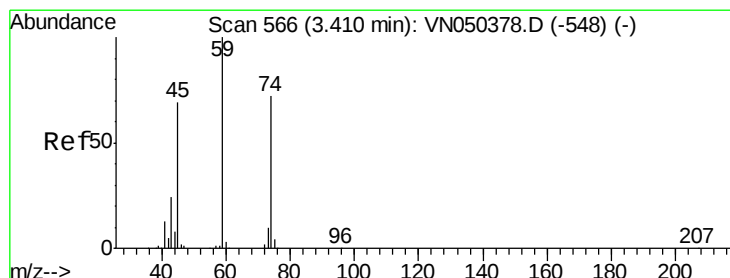
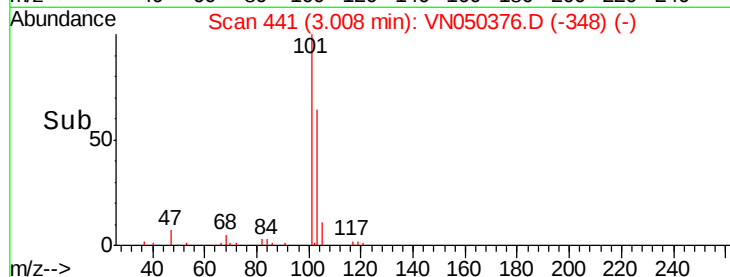
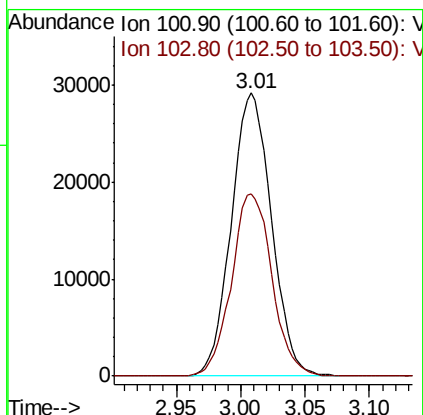
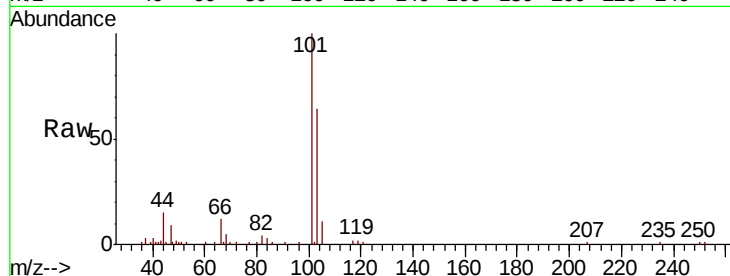


#7

Trichlorofluoromethane
 Concen: 5.402 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

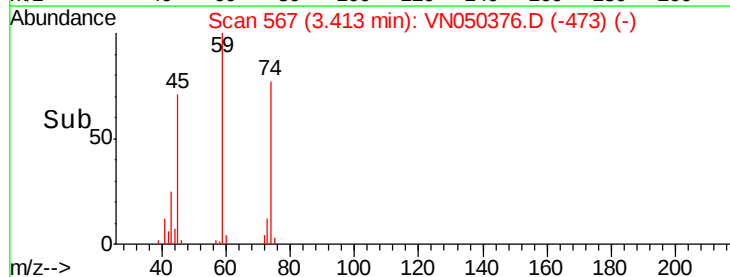
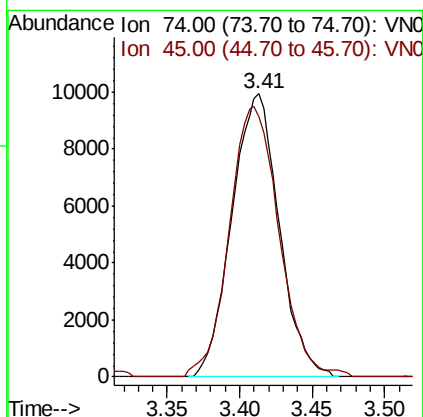
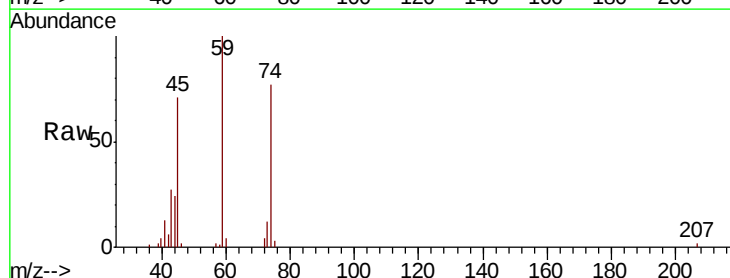
Tot Ion:101 Resp: 63207
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.7 77.5

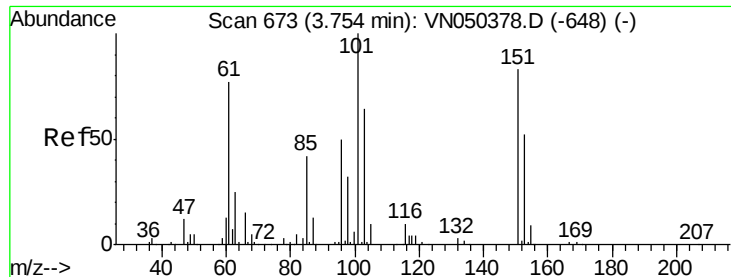


#8

Diethyl Ether
 Concen: 5.252 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

Tgt Ion: 74 Resp: 22537
 Ion Ratio Lower Upper
 74 100
 45 100.2 47.6 142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.271 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

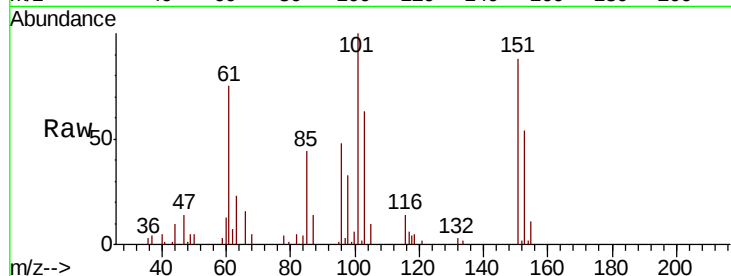
Tot Ion:101 Resp: 38114

Ion Ratio Lower Upper

101 100

85 44.3 34.2 51.2

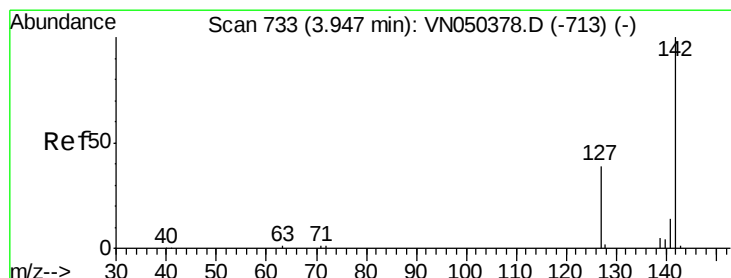
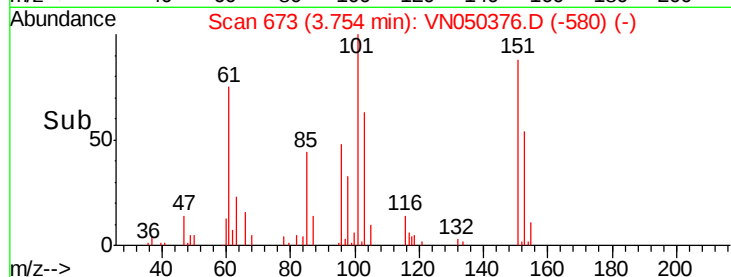
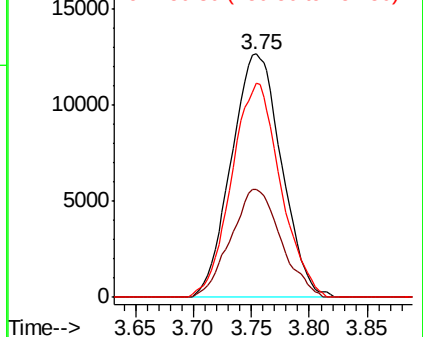
151 85.6 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.376 ug/l

RT: 3.95 min Scan# 733

Delta R.T. 0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

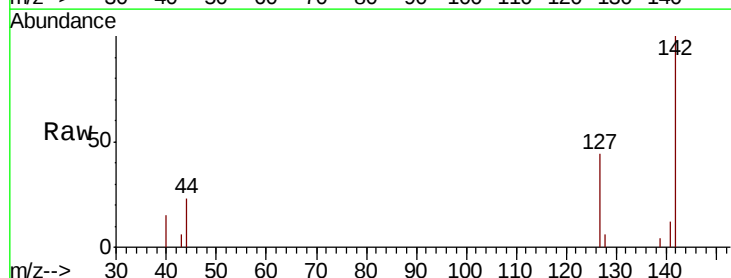
Tgt Ion:142 Resp: 10755

Ion Ratio Lower Upper

142 100

127 42.0 33.4 50.2

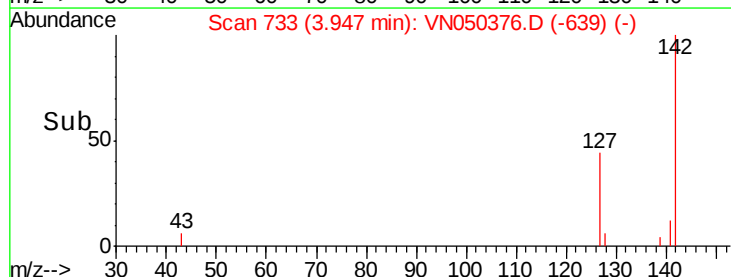
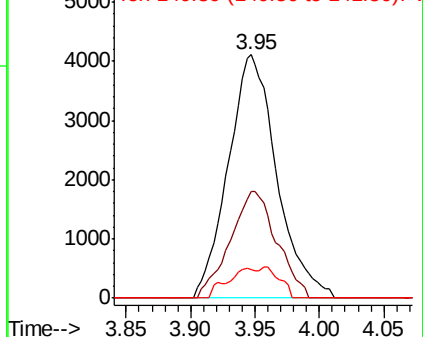
141 7.1 11.6 17.4#

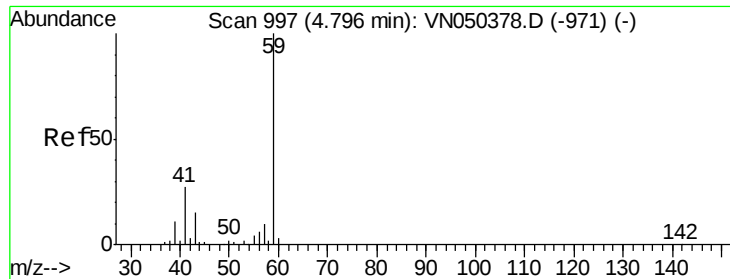


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

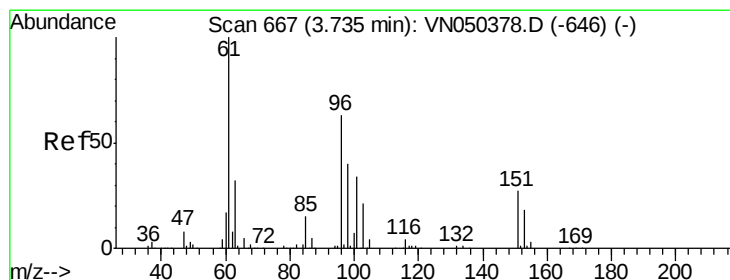
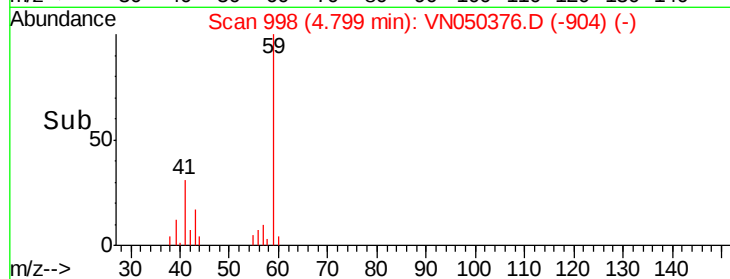
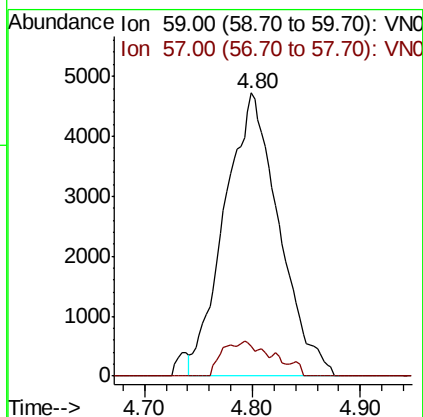
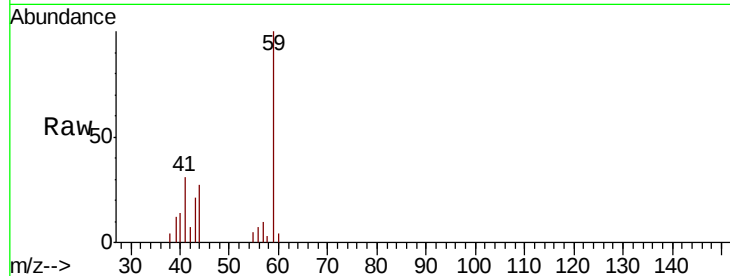




#11
Tert butyl alcohol
Concen: 24.443 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

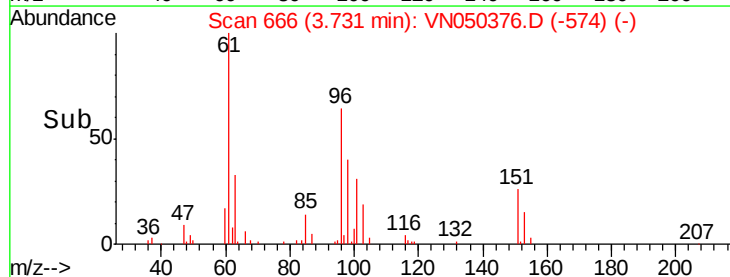
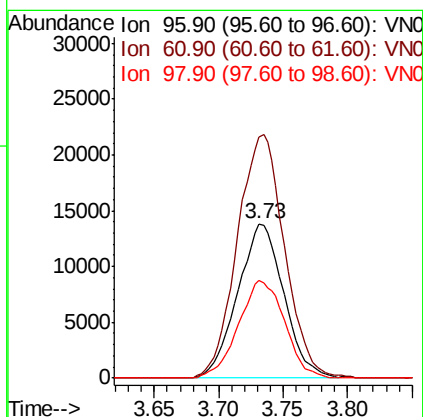
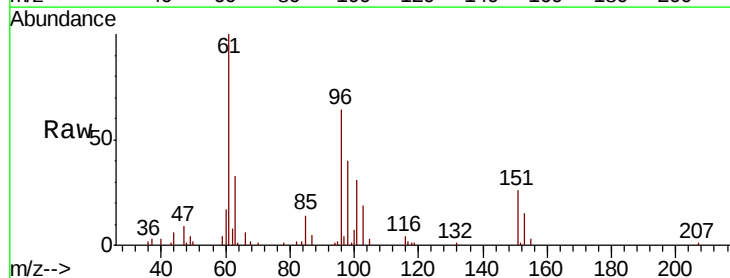
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

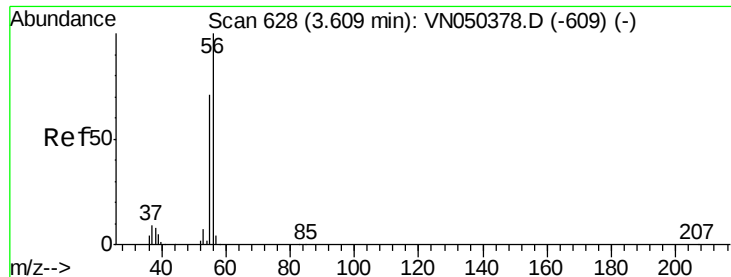
Tot Ion: 59 Resp: 16544
Ion Ratio Lower Upper
59 100
57 3.9 8.5 12.7#



#12
1,1-Dichloroethene
Concen: 5.058 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Tgt Ion: 96 Resp: 34479
Ion Ratio Lower Upper
96 100
61 156.0 124.4 186.6
98 63.0 48.3 72.5





#13

Acrolein

Concen: 39.570 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

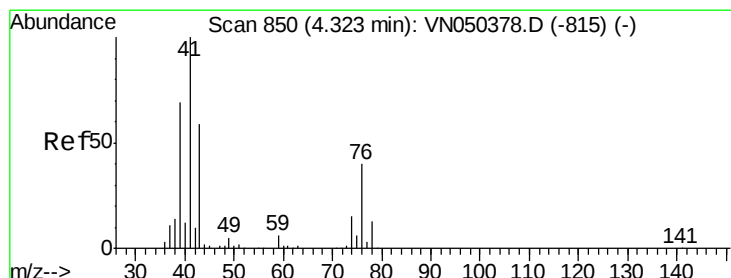
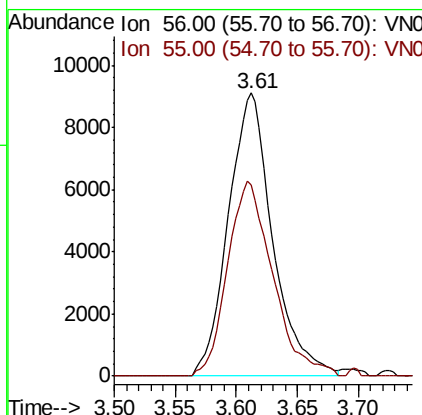
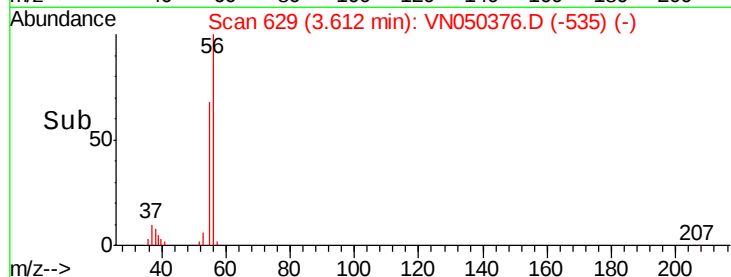
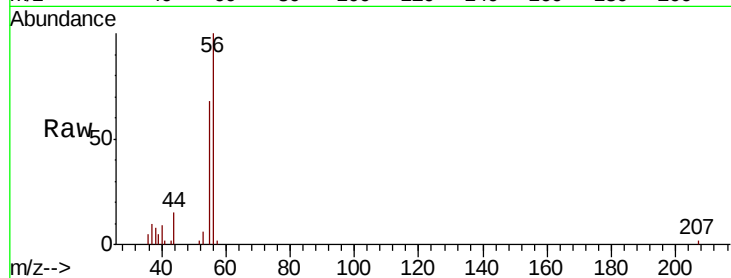
VSTDIC005

Tot Ion: 56 Resp: 22993

Ion Ratio Lower Upper

56 100

55 70.3 55.8 83.6



#14

Allyl chloride

Concen: 5.106 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

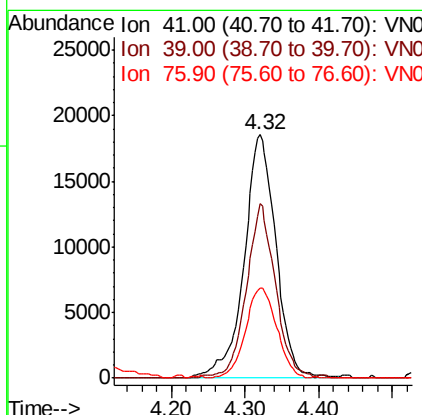
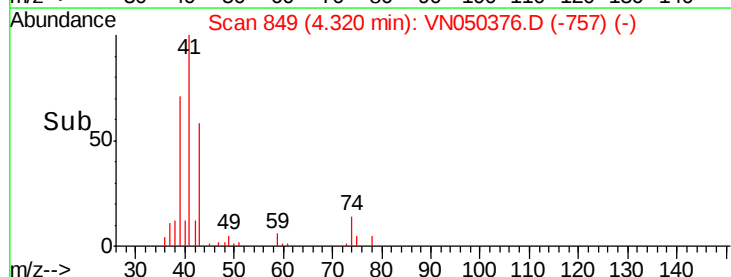
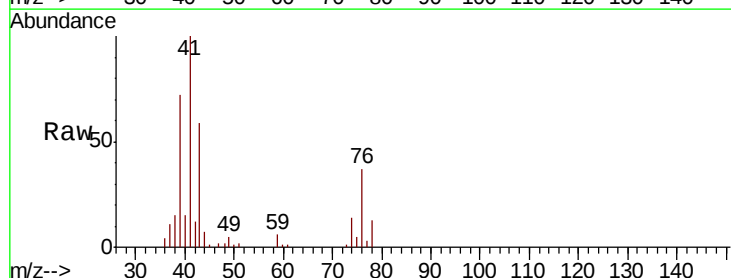
Tgt Ion: 41 Resp: 55896

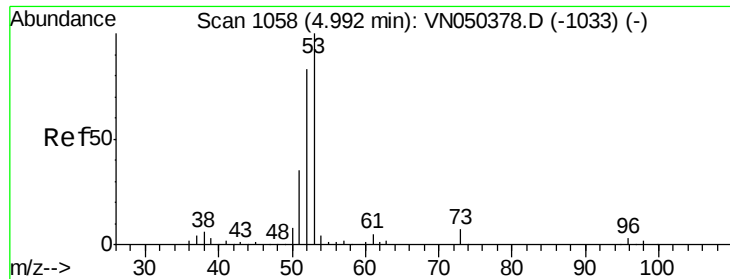
Ion Ratio Lower Upper

41 100

39 65.0 54.2 81.4

76 36.4 29.0 43.6





#15

Acrylonitrile

Concen: 24.601 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

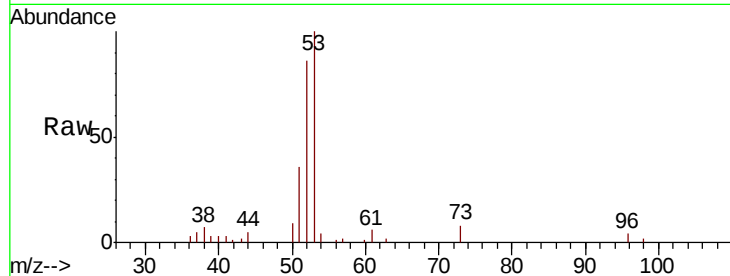
Tot Ion: 53 Resp: 69745

Ion Ratio Lower Upper

53 100

52 84.1 66.2 99.2

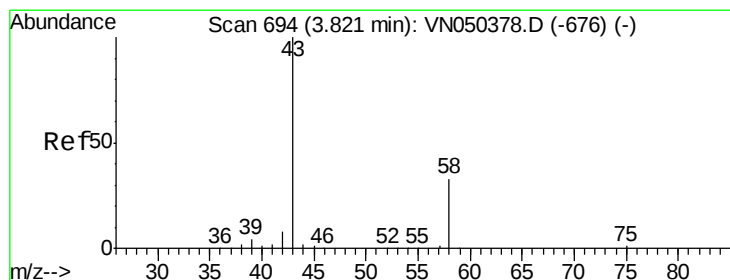
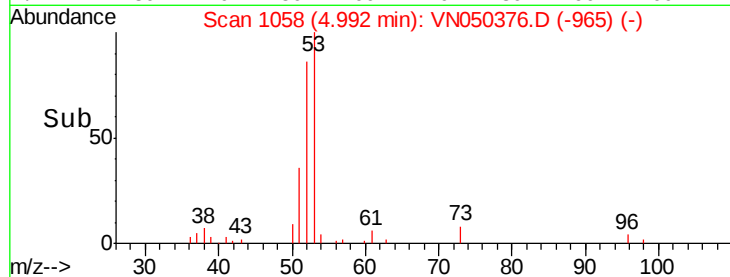
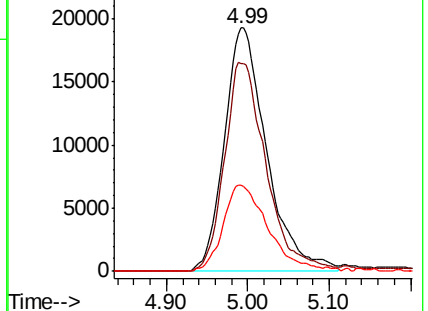
51 37.2 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 26.788 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN050376.D

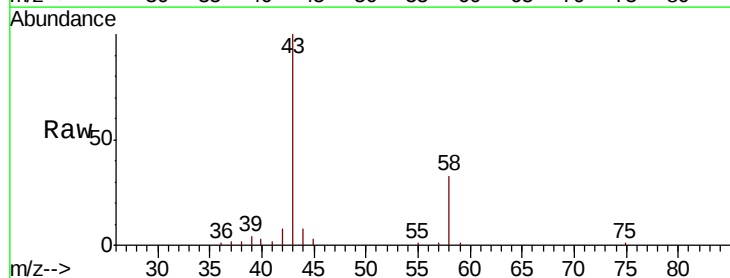
Acq: 6 Aug 2018 11:35

Tgt Ion: 43 Resp: 68115

Ion Ratio Lower Upper

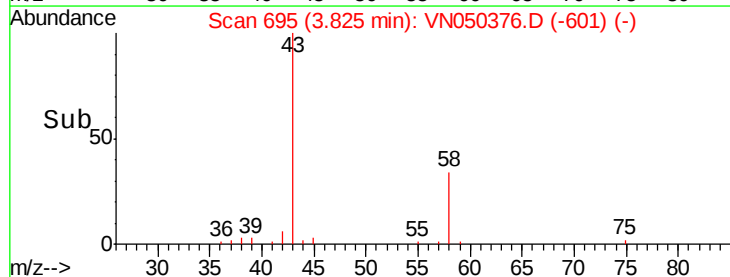
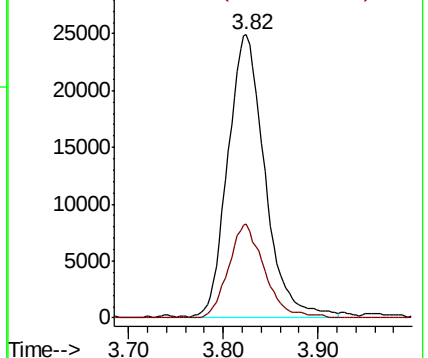
43 100

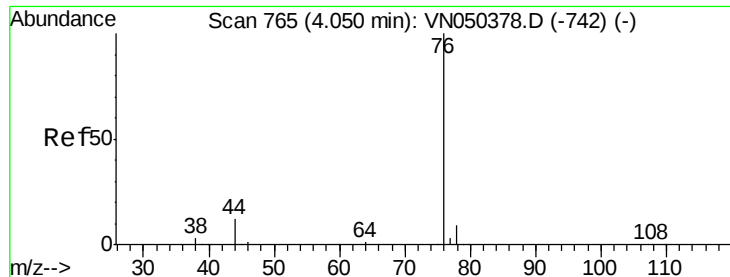
58 33.3 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 5.164 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

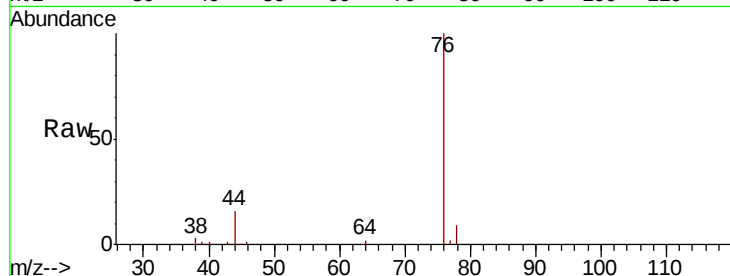
VSTDIC005

Tot Ion: 76 Resp: 114483

Ion Ratio Lower Upper

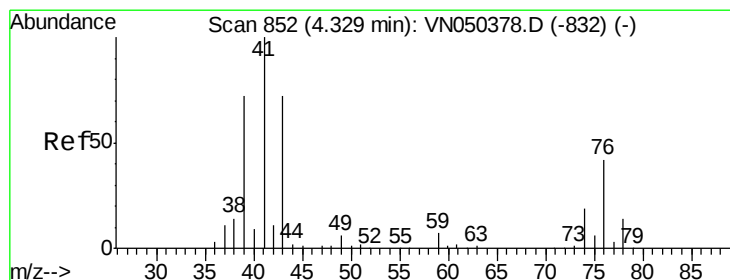
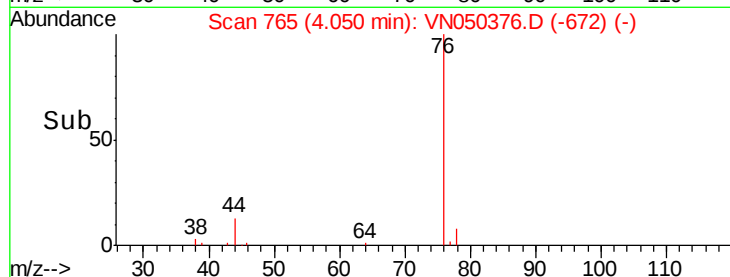
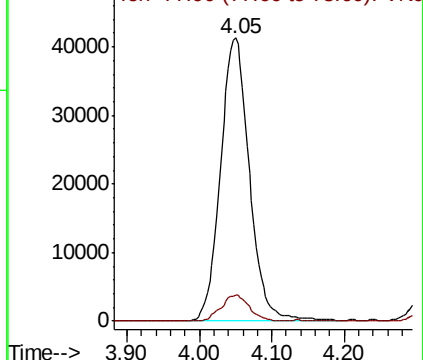
76 100

78 9.3 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 5.697 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050376.D

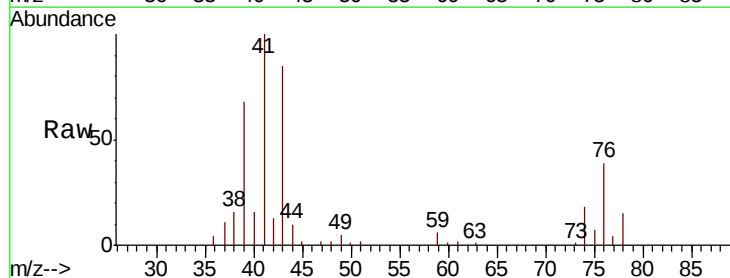
Acq: 6 Aug 2018 11:35

Tgt Ion: 43 Resp: 38315

Ion Ratio Lower Upper

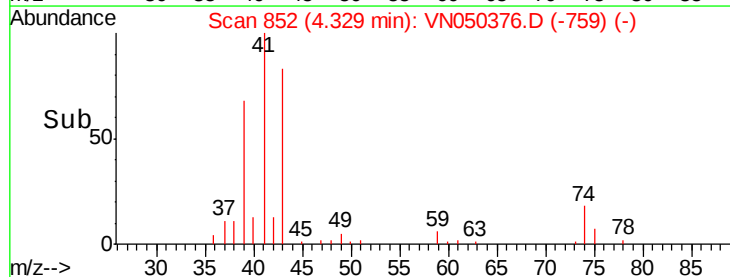
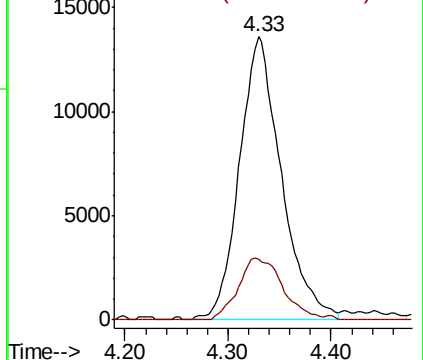
43 100

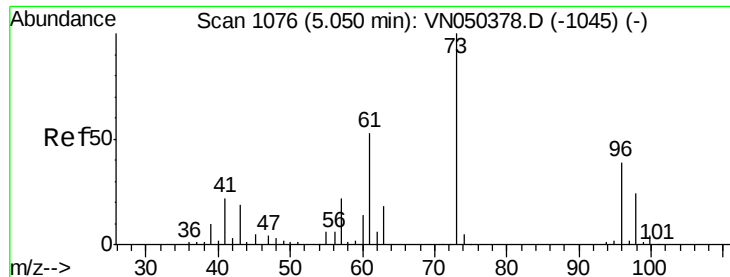
74 23.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

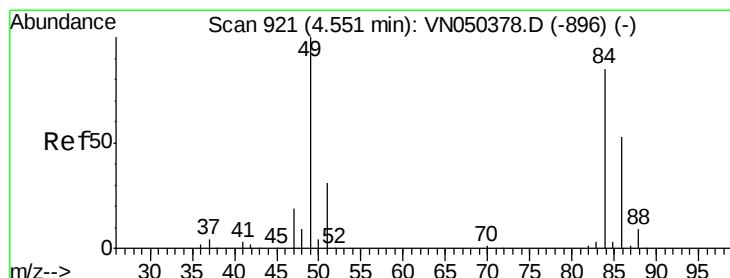
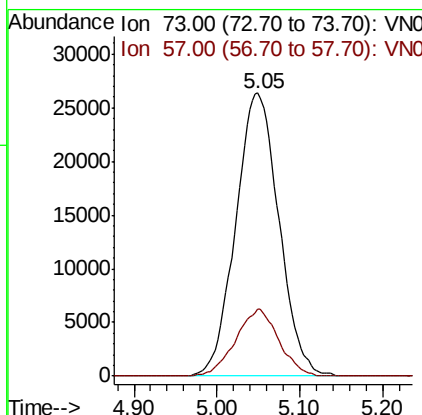
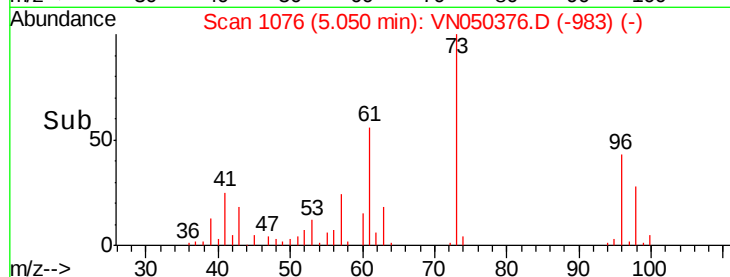
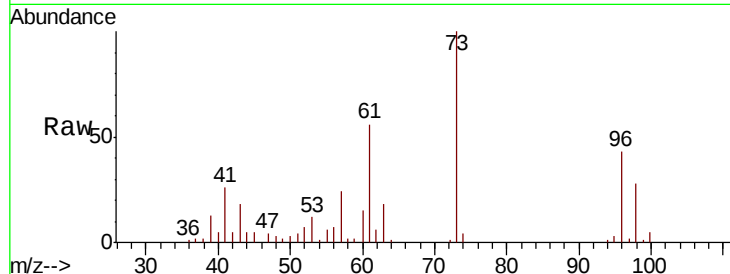




#19
Methyl tert-butyl Ether
Concen: 4.930 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

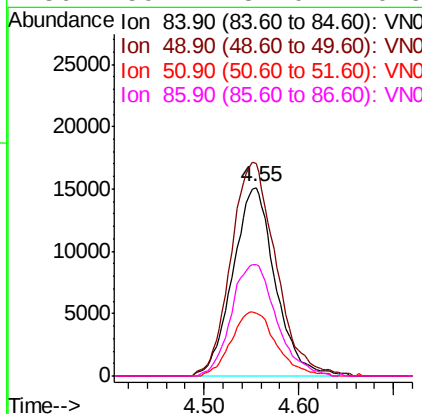
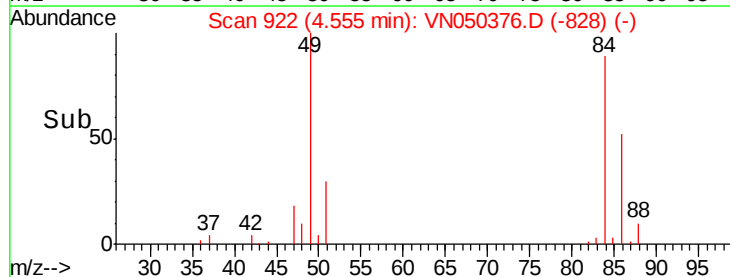
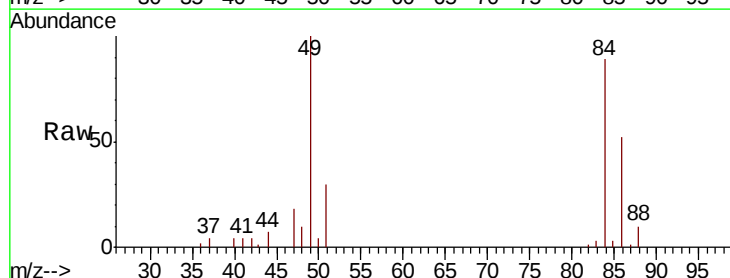
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

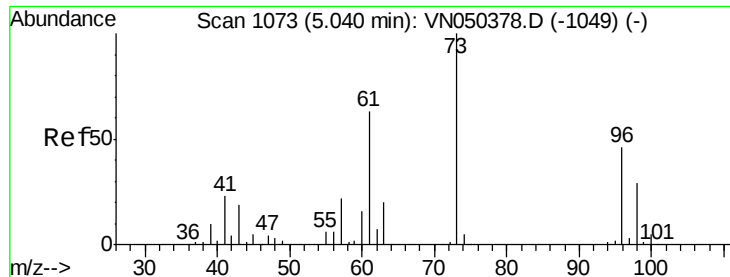
Tot Ion: 73 Resp: 95394
Ion Ratio Lower Upper
73 100
57 23.8 18.0 27.0



#20
Methylene Chloride
Concen: 4.733 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Tgt Ion: 84 Resp: 47158
Ion Ratio Lower Upper
84 100
49 112.8 94.8 142.2
51 33.5 28.3 42.5
86 59.1 51.0 76.6

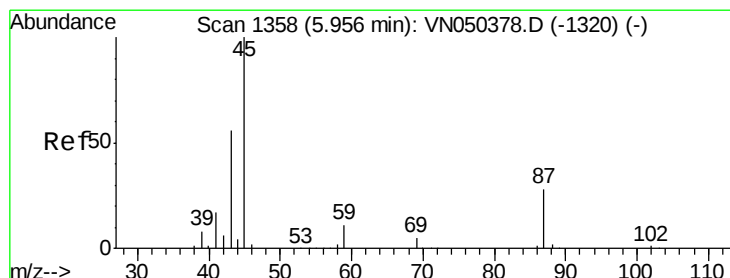
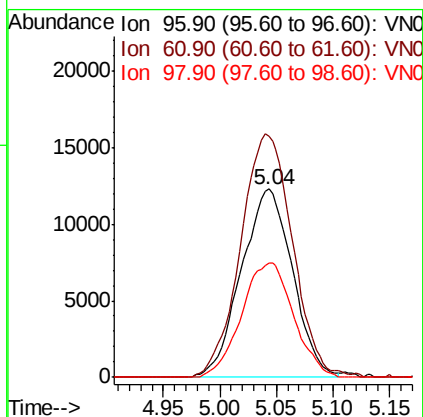
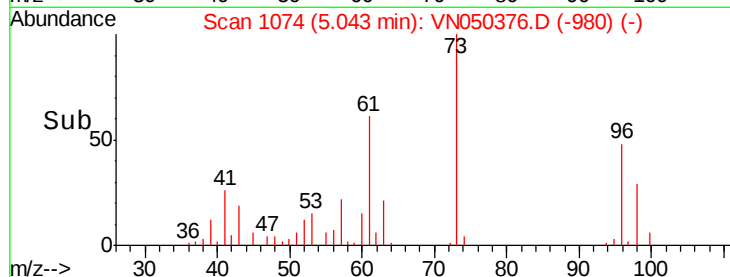
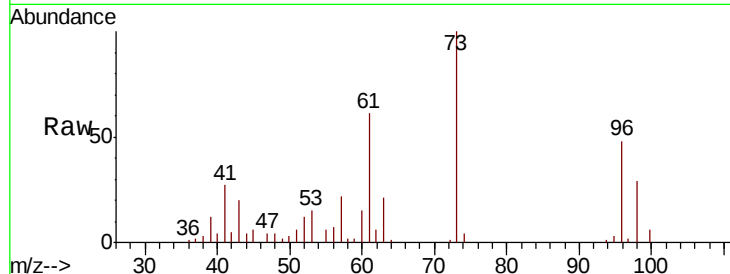




#21
trans-1,2-Dichloroethene
Concen: 5.234 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

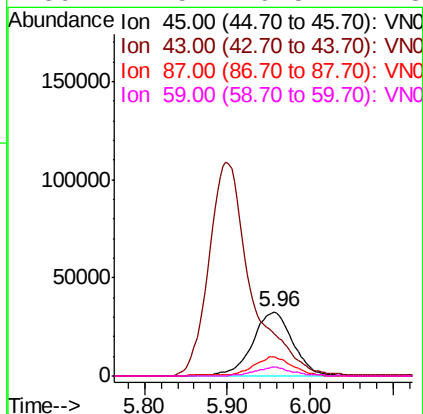
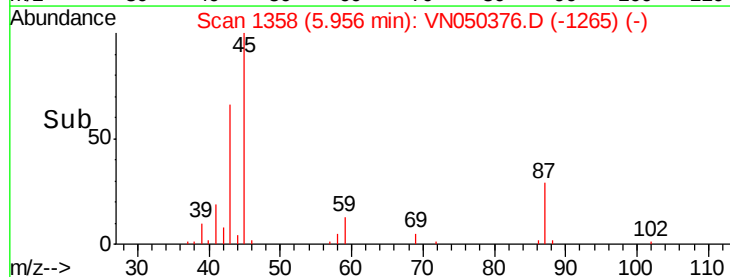
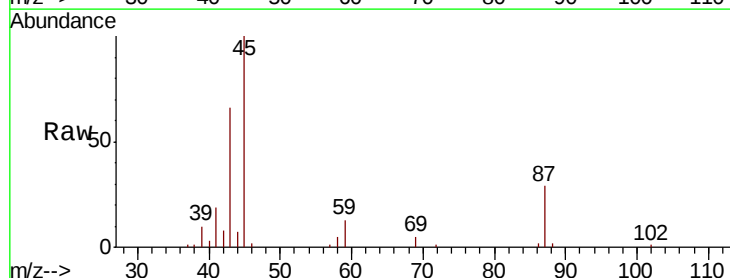
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

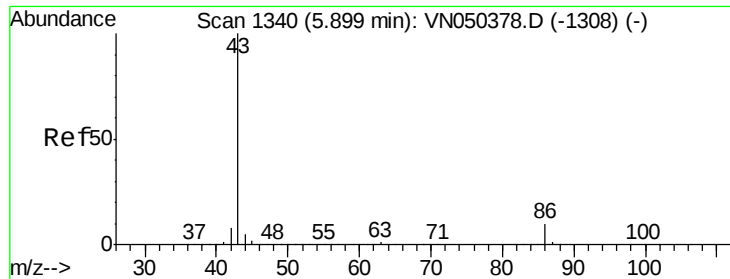
Tot Ion: 96 Resp: 38615
Ion Ratio Lower Upper
96 100
61 128.4 110.7 166.1
98 60.6 51.6 77.4



#22
Diisopropyl ether
Concen: 4.927 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Tgt Ion: 45 Resp: 110200
Ion Ratio Lower Upper
45 100
43 62.5 45.7 68.5
87 29.4 22.7 34.1
59 12.5 9.5 14.3





#23

Vinyl Acetate

Concen: 24.192 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

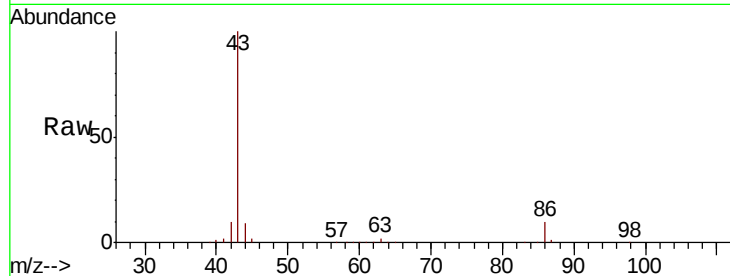
VSTDIC005

Tot Ion: 43 Resp: 386032

Ion Ratio Lower Upper

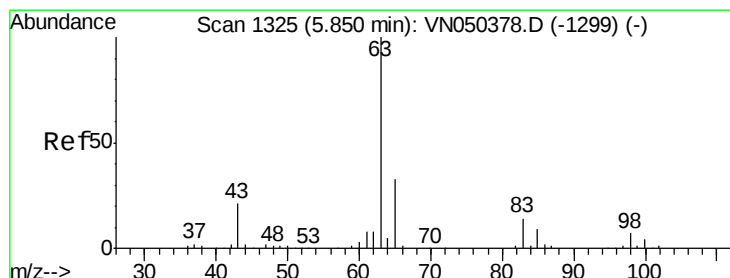
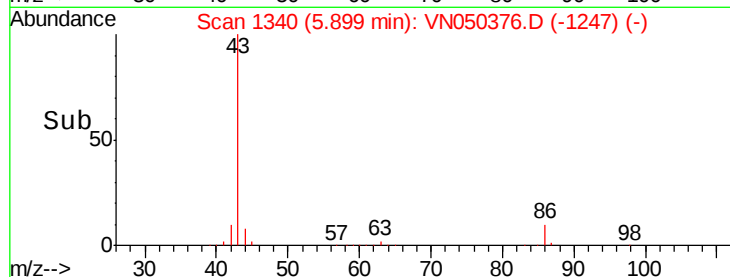
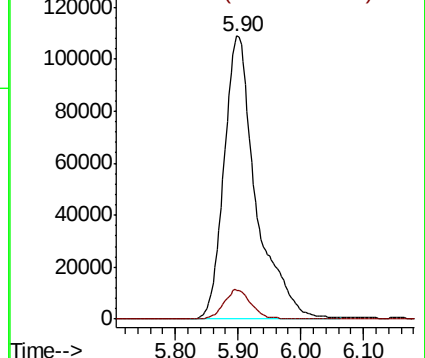
43 100

86 10.3 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 5.371 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

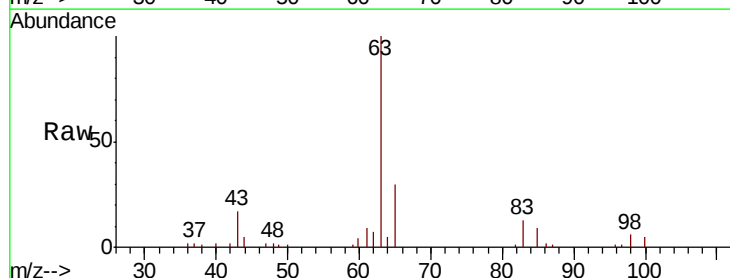
Tgt Ion: 63 Resp: 73708

Ion Ratio Lower Upper

63 100

98 6.3 3.3 9.8

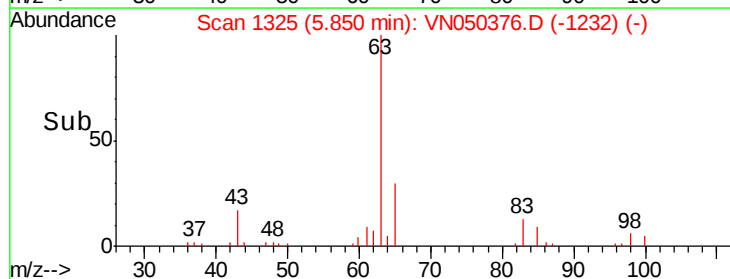
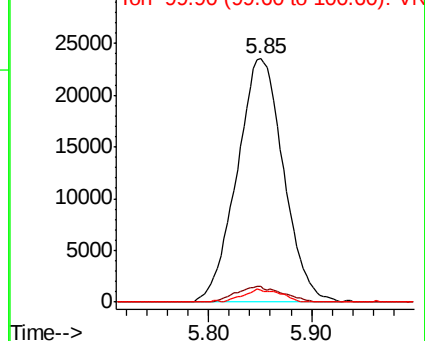
100 5.1 2.1 6.3

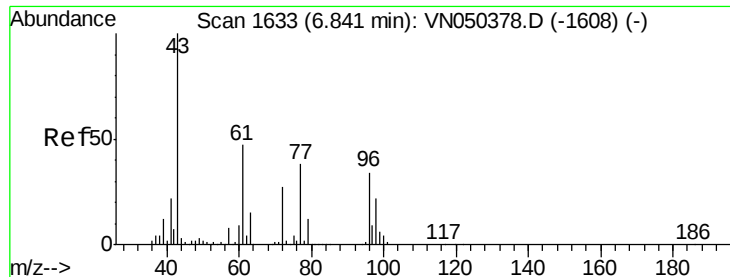


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 24.717 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

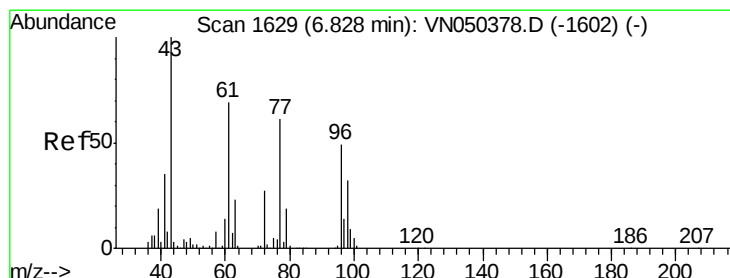
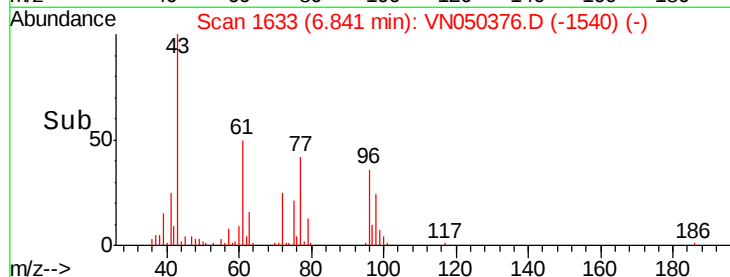
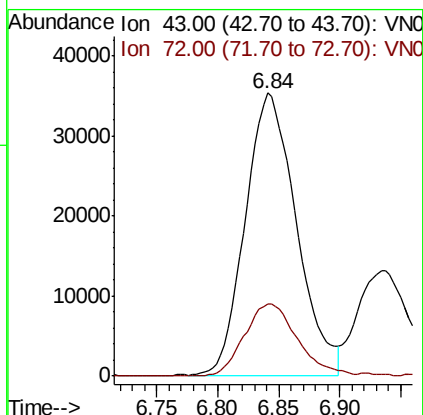
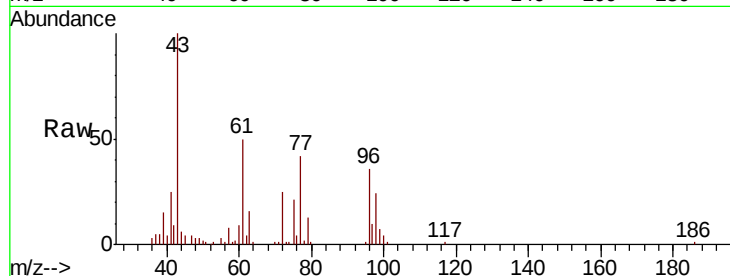
VSTDIC005

Tot Ion: 43 Resp: 103192

Ion Ratio Lower Upper

43 100

72 25.4 21.5 32.3



#26

2,2-Dichloropropane

Concen: 5.323 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.01 min

Lab File: VN050376.D

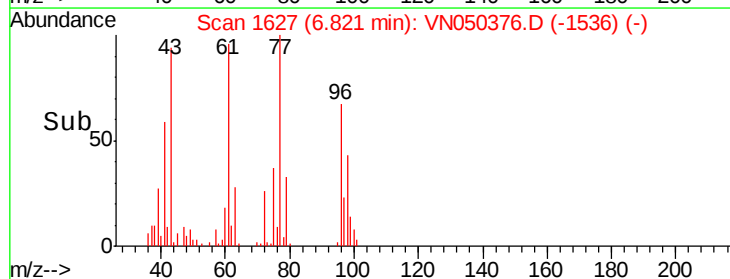
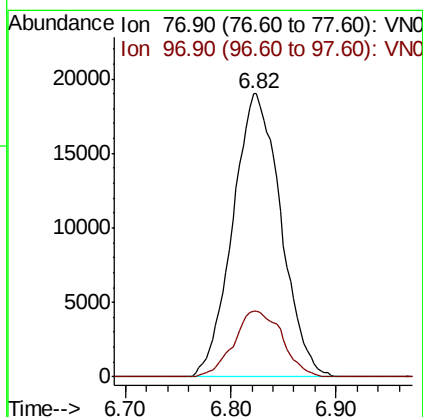
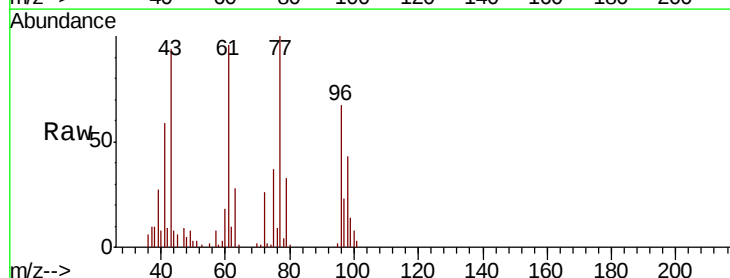
Acq: 6 Aug 2018 11:35

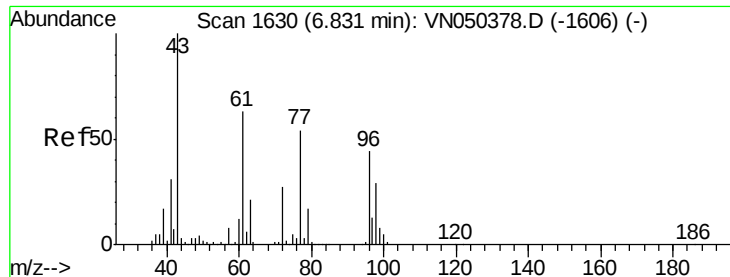
Tgt Ion: 77 Resp: 60225

Ion Ratio Lower Upper

77 100

97 23.4 11.8 35.3

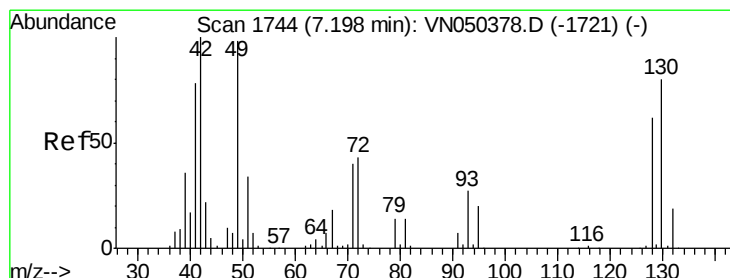
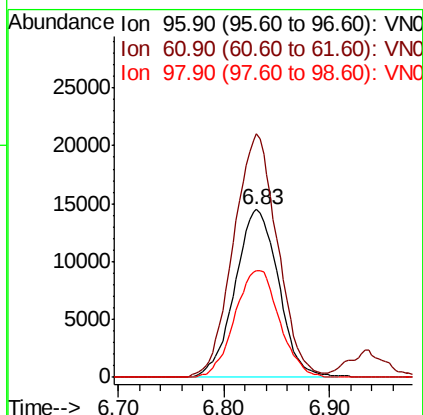
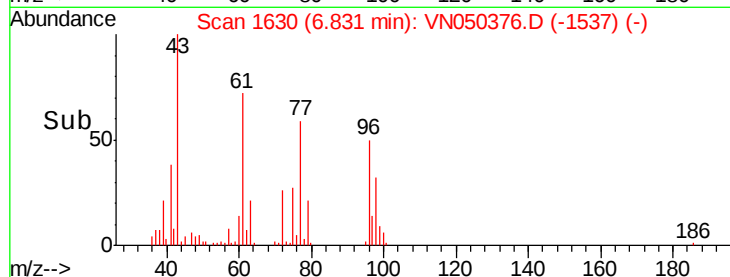
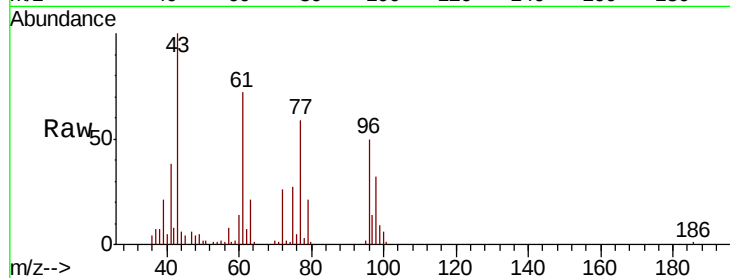




#27
 cis-1,2-Dichloroethene
 Concen: 5.095 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

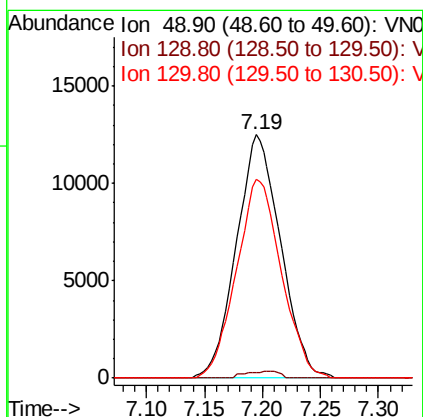
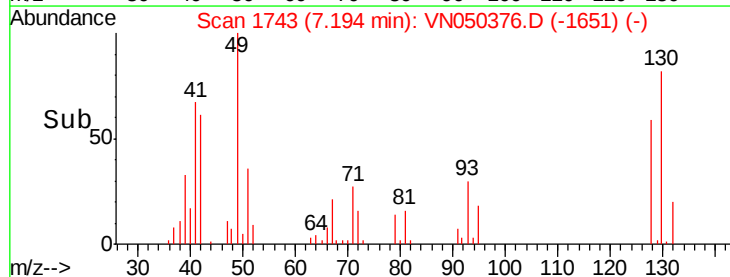
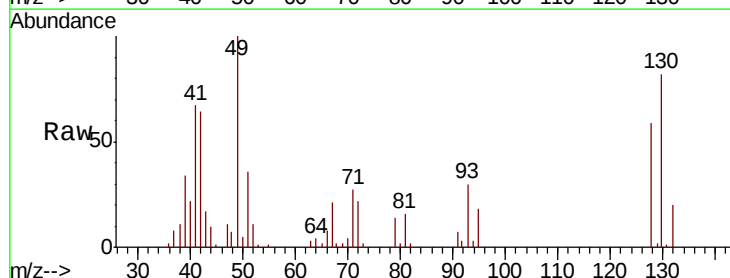
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

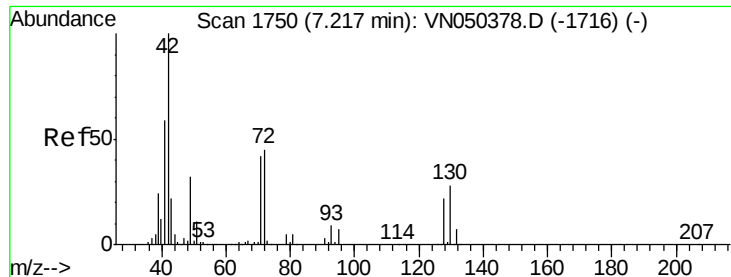
Tot Ion: 96 Resp: 41663
 Ion Ratio Lower Upper
 96 100
 61 146.2 0.0 285.0
 98 65.1 0.0 129.2



#28
 Bromochloromethane
 Concen: 5.232 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

Tgt Ion: 49 Resp: 33053
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 4.0
 130 83.0 66.3 99.5

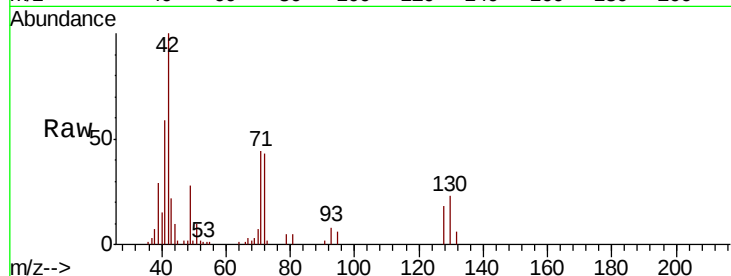




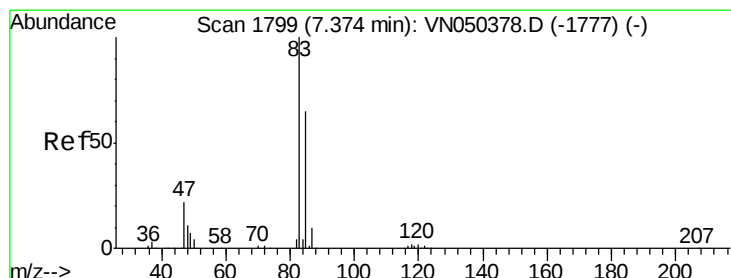
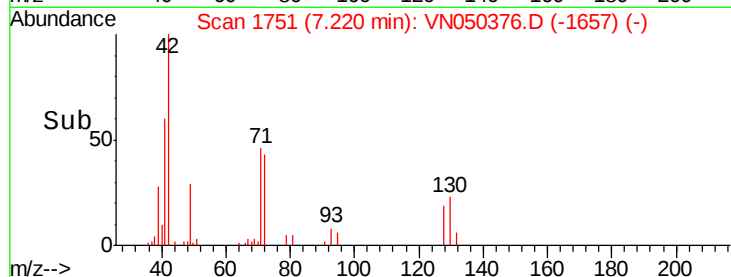
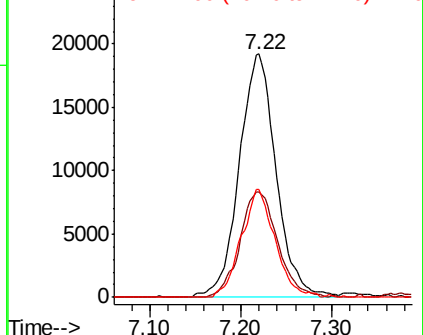
#29
Tetrahydrofuran
Concen: 24.211 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 42 Resp: 54104
Ion Ratio Lower Upper
42 100
72 44.2 35.9 53.9
71 40.9 33.7 50.5

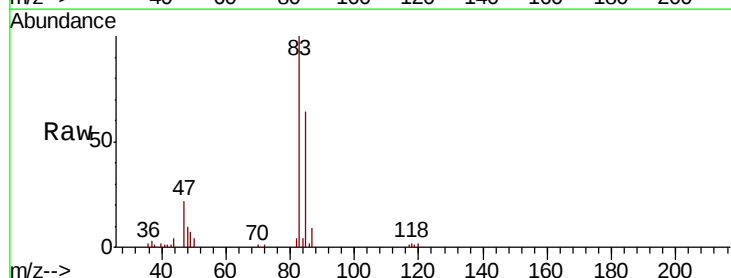


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

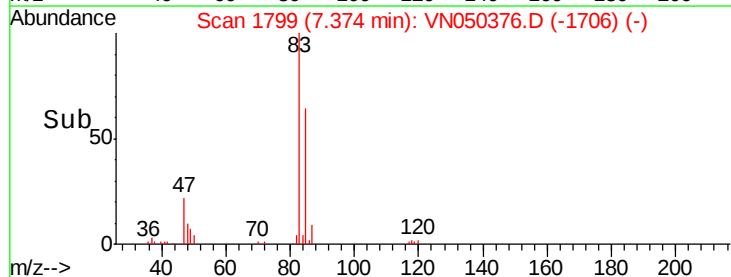
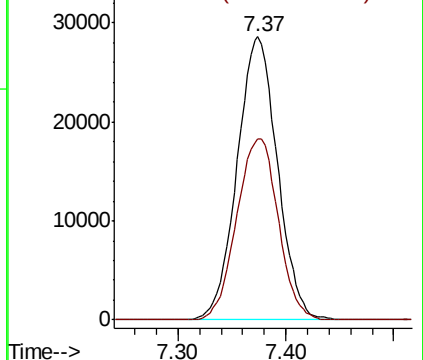


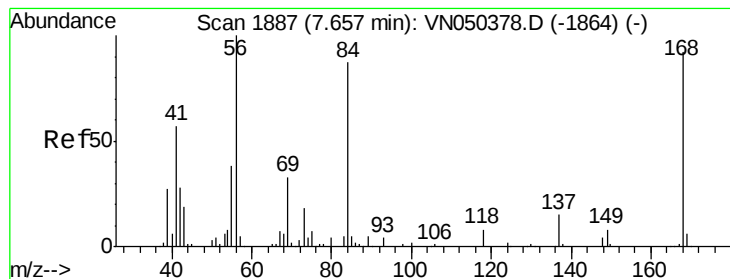
#30
Chloroform
Concen: 5.415 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Tgt Ion: 83 Resp: 74289
Ion Ratio Lower Upper
83 100
85 63.9 52.5 78.7



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





#31

Cyclohexane

Concen: 4.947 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

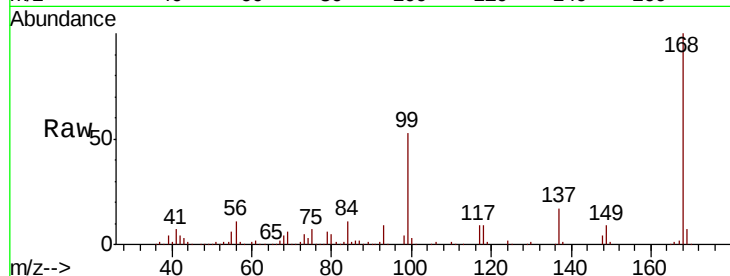
Tot Ion: 56 Resp: 66600

Ion Ratio Lower Upper

56 100

69 55.4 26.2 39.4#

84 94.4 67.4 101.0

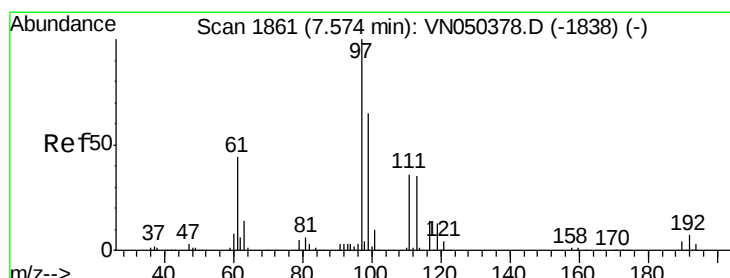
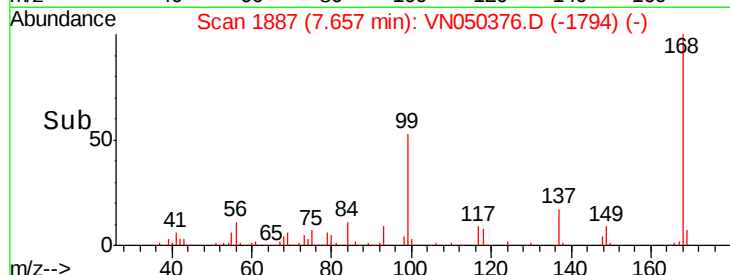
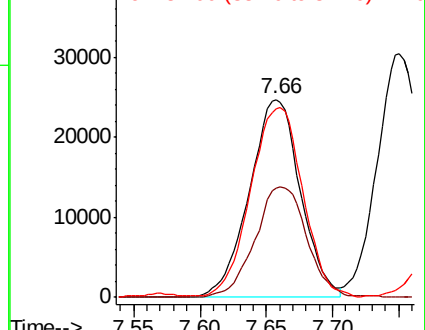


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 5.387 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

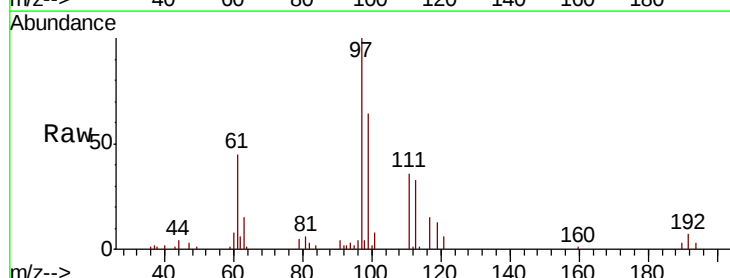
Tgt Ion: 97 Resp: 63470

Ion Ratio Lower Upper

97 100

99 63.0 51.4 77.0

61 43.7 35.4 53.0

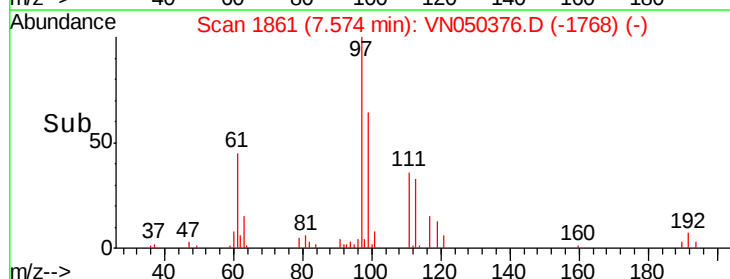
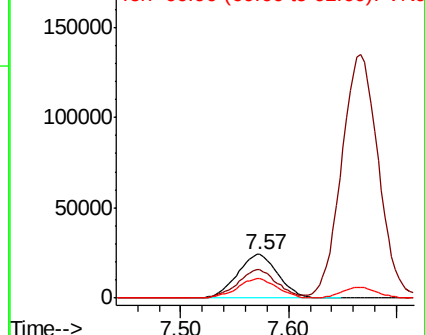


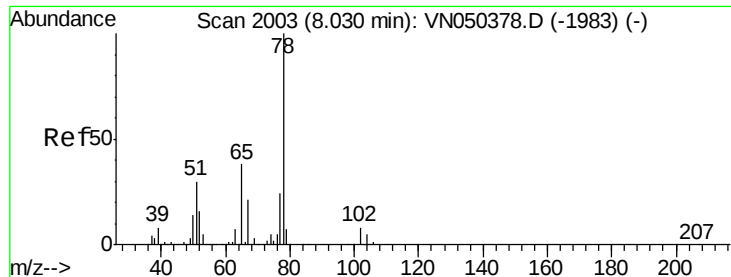
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 5.411 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

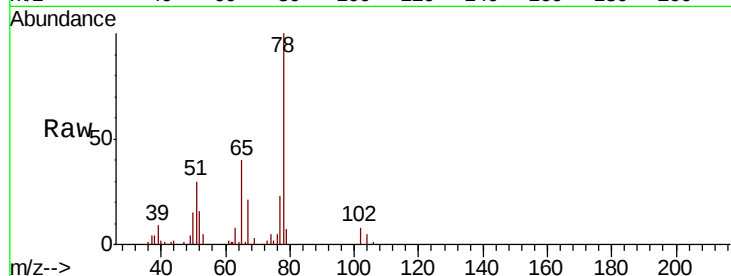
VSTDIC005

Tot Ion: 65 Resp: 45586

Ion Ratio Lower Upper

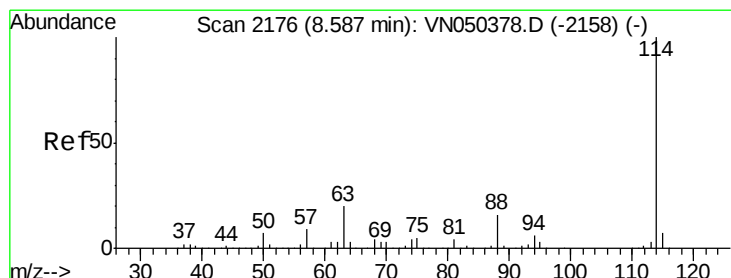
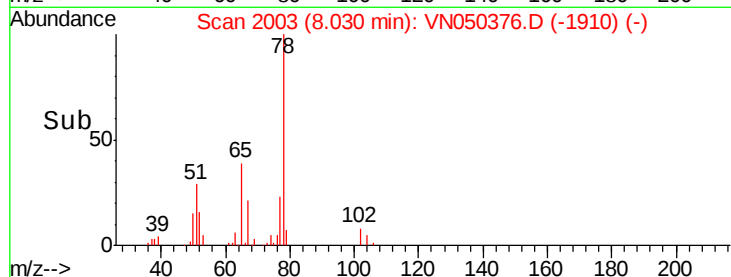
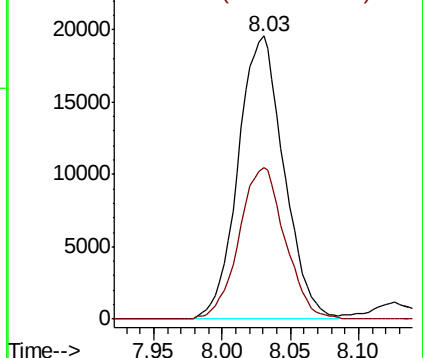
65 100

67 53.7 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

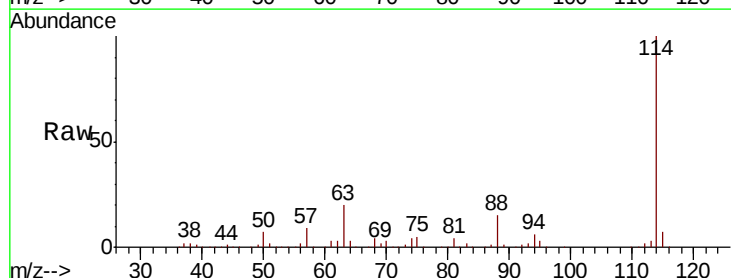
Tgt Ion: 114 Resp: 948110

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.0

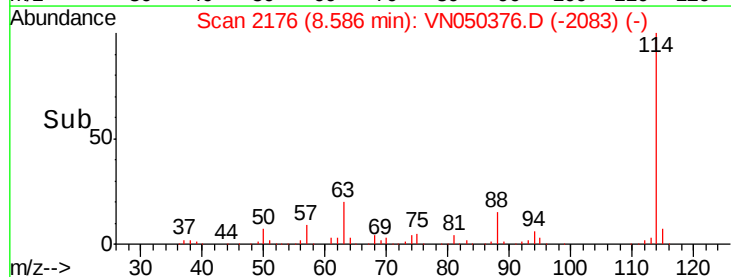
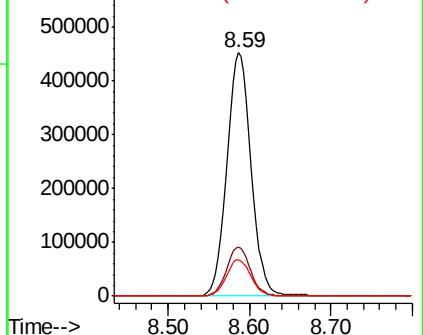
88 15.0 0.0 31.2

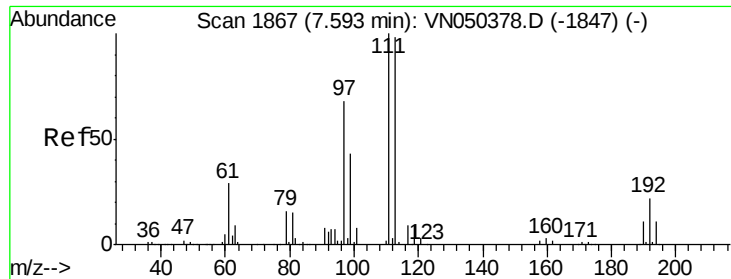


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

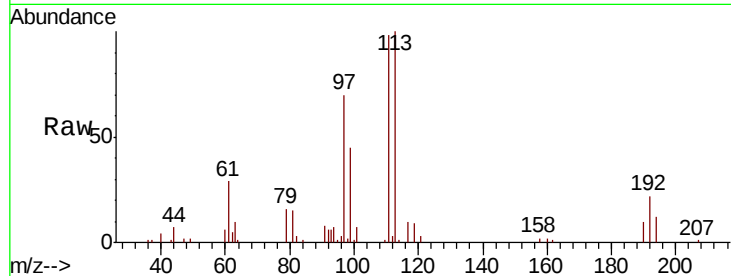




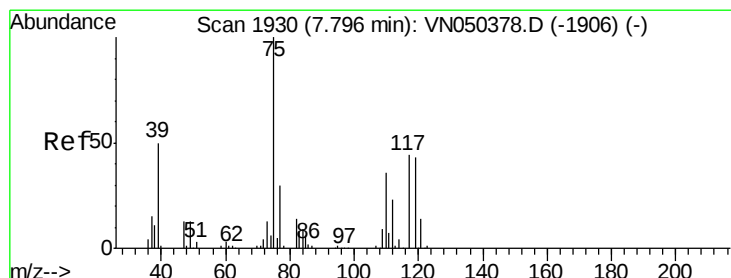
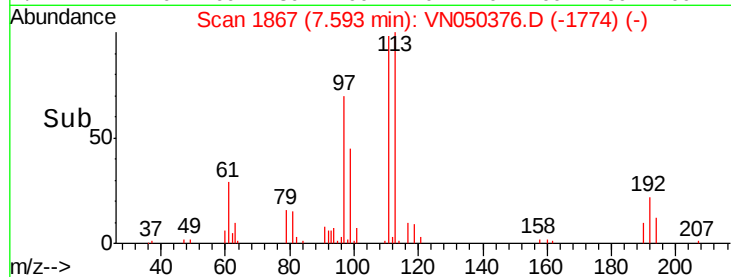
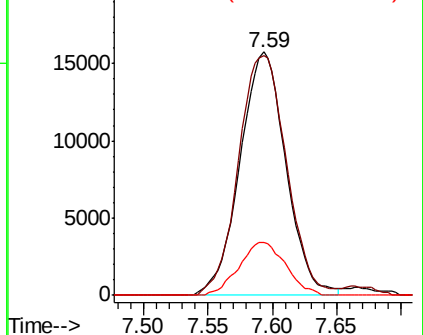
#35
 Dibromofluoromethane
 Concen: 5.143 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:113 Resp: 39124
 Ion Ratio Lower Upper
 113 100
 111 103.0 80.7 121.1
 192 22.0 17.8 26.6

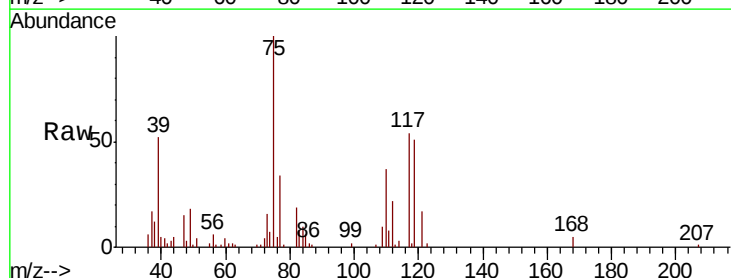


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

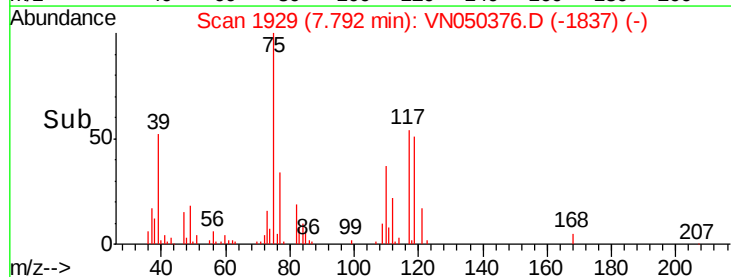
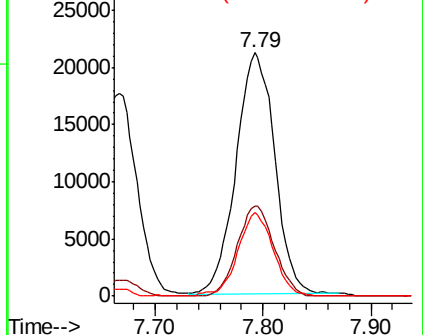


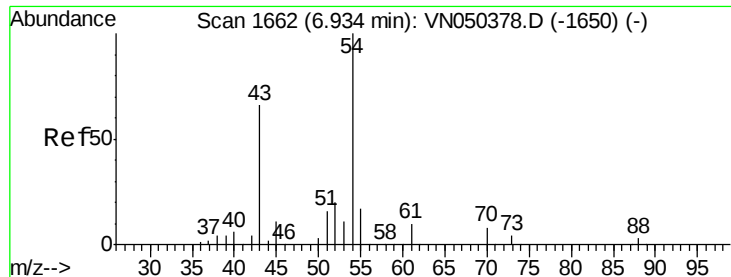
#36
 1,1-Dichloropropene
 Concen: 5.082 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

Tgt Ion: 75 Resp: 52945
 Ion Ratio Lower Upper
 75 100
 110 35.3 18.4 55.2
 77 31.6 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

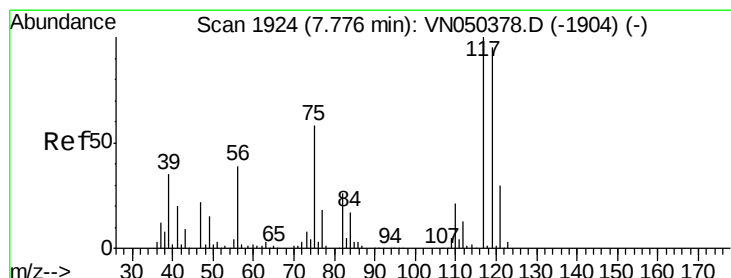
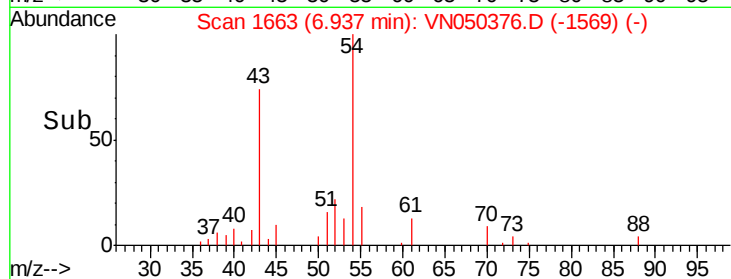
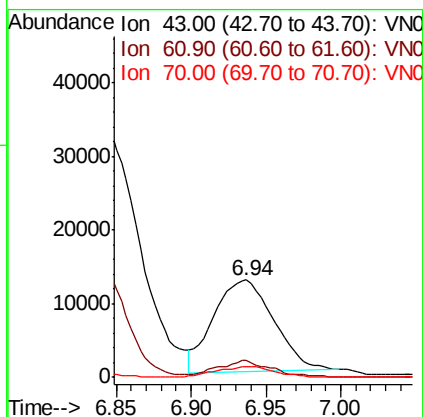
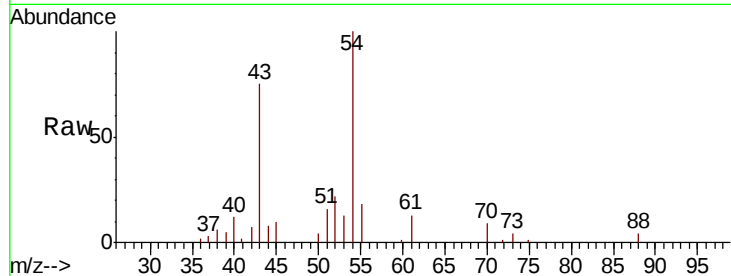




#37
Ethyl Acetate
Concen: 4.652 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

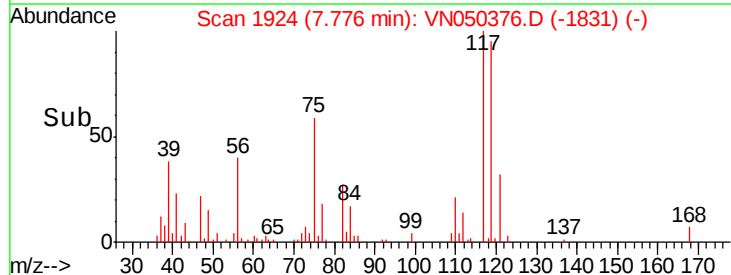
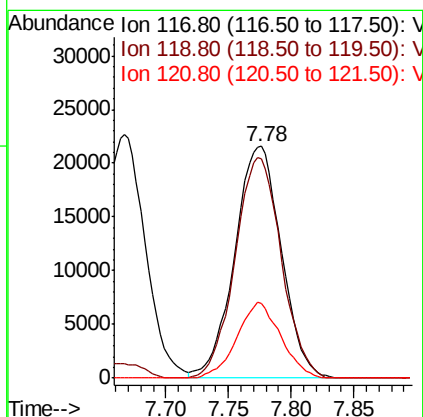
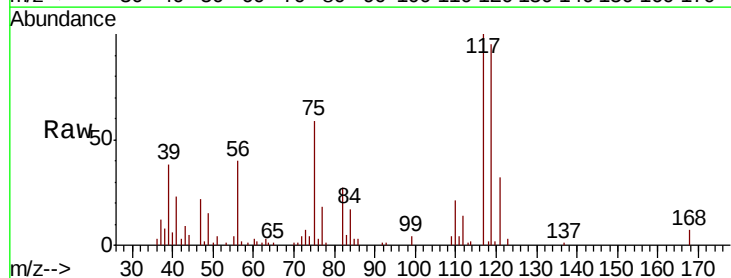
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

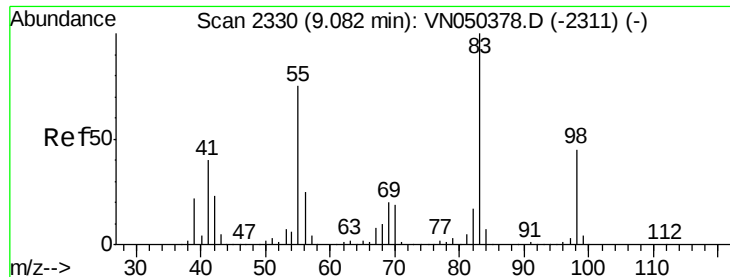
Tot Ion: 43 Resp: 34897
Ion Ratio Lower Upper
43 100
61 16.8 11.8 17.8
70 11.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.135 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Tgt Ion: 117 Resp: 55802
Ion Ratio Lower Upper
117 100
119 94.6 77.4 116.0
121 32.4 23.9 35.9

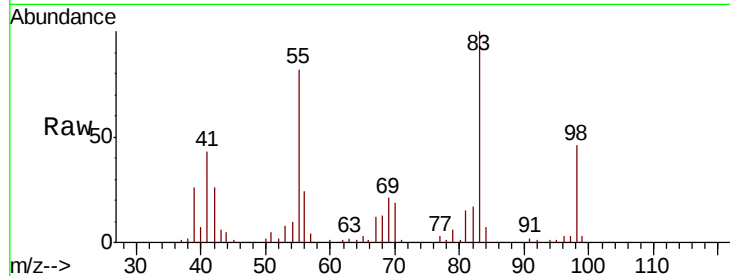




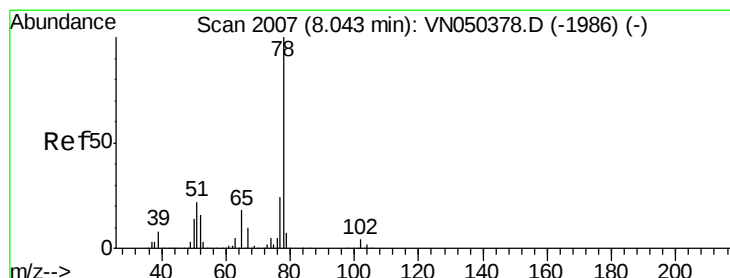
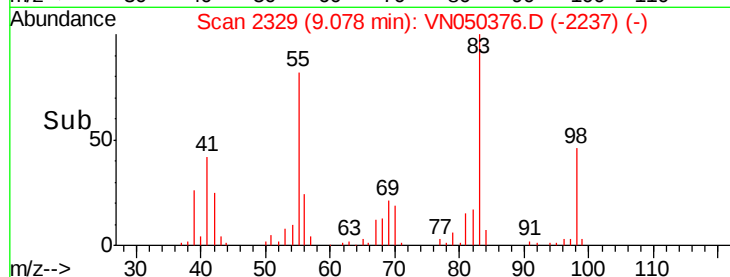
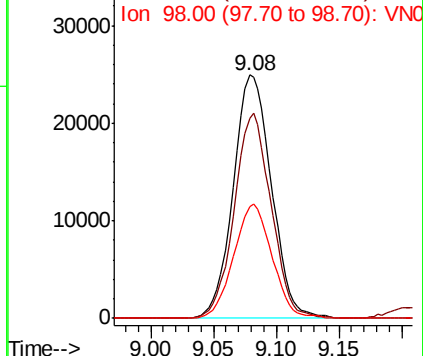
#39
Methvlcvclohexane
Concen: 4.652 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 52900
Ion Ratio Lower Upper
83 100
55 82.0 61.8 92.8
98 45.9 36.5 54.7

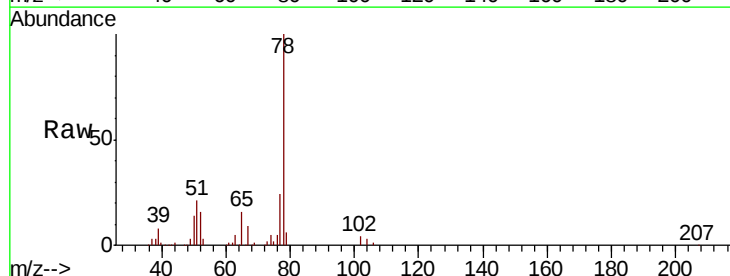


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

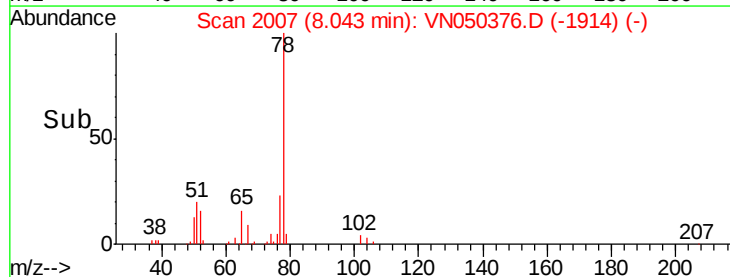
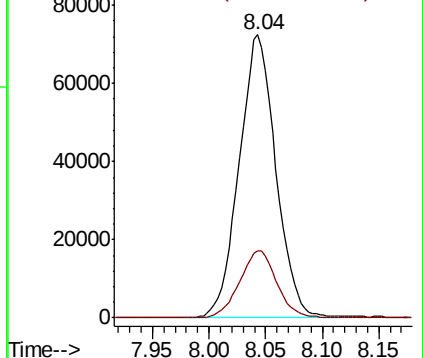


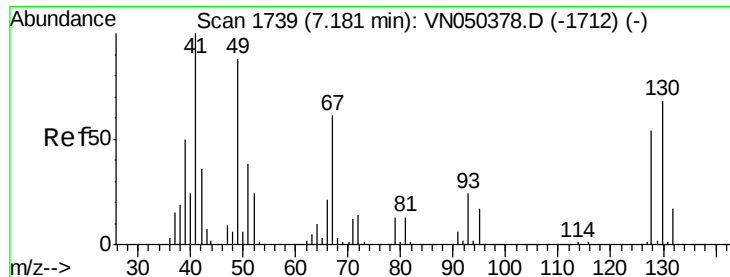
#40
Benzene
Concen: 5.111 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Tgt Ion: 78 Resp: 163680
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1



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

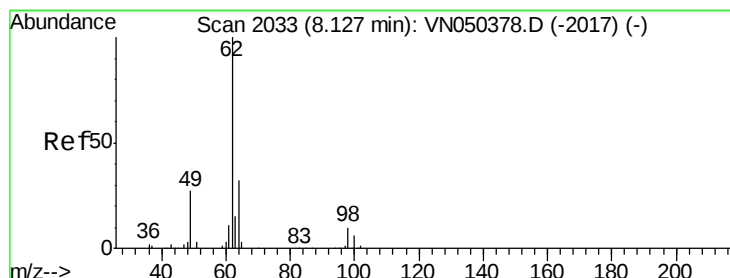
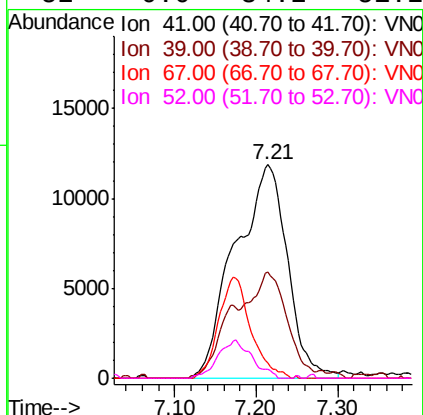
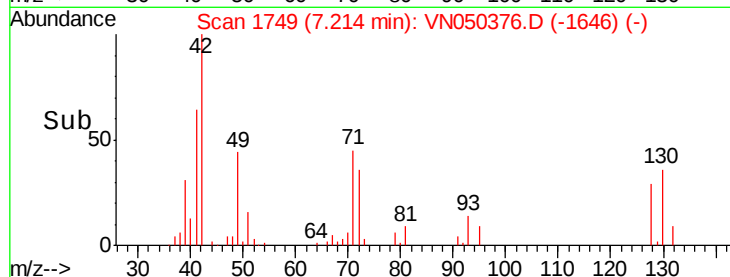
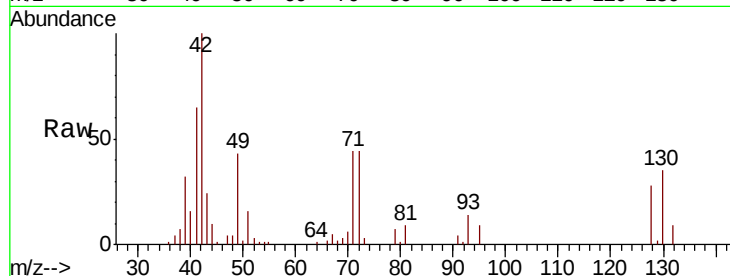




#41
Methacrylonitrile
Concen: 13.285 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. 0.03 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

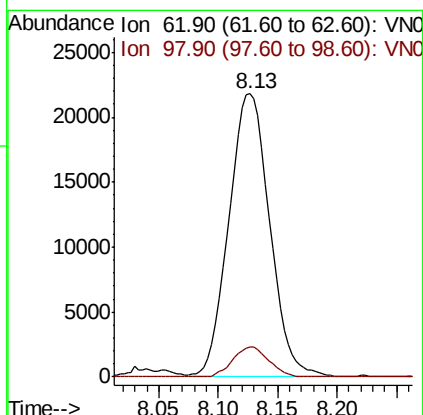
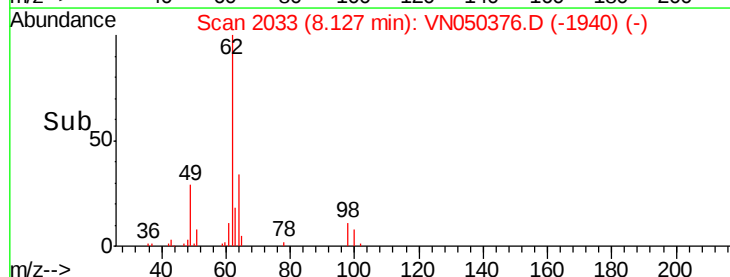
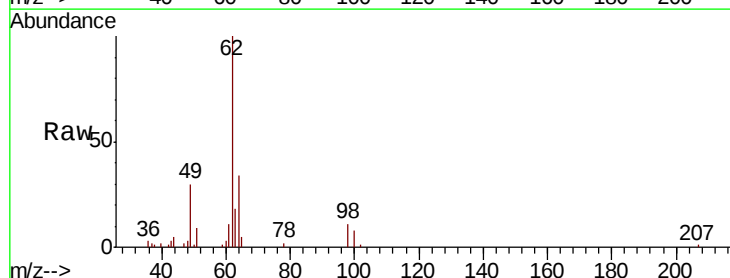
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

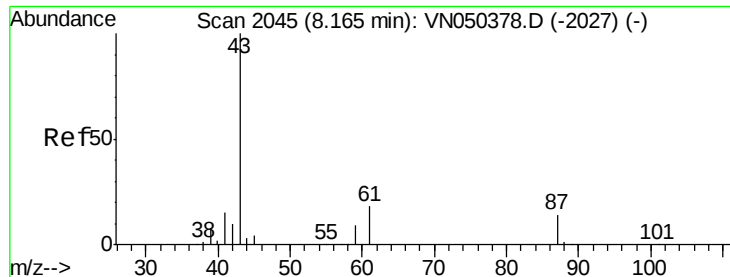
Tot Ion: 41 Resp: 52995
Ion Ratio Lower Upper
41 100
39 21.0 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#42
1,2-Dichloroethane
Concen: 5.109 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Tgt Ion: 62 Resp: 51949
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.8





#43

Isopropyl Acetate

Concen: 5.165 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

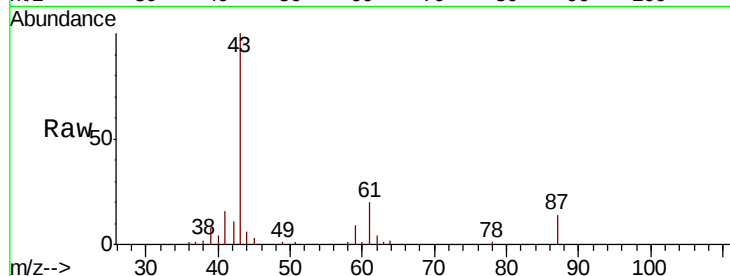
Tot Ion: 43 Resp: 66885

Ion Ratio Lower Upper

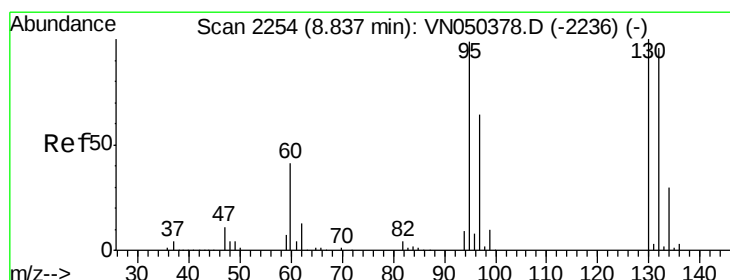
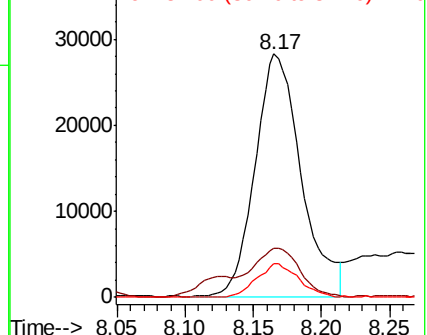
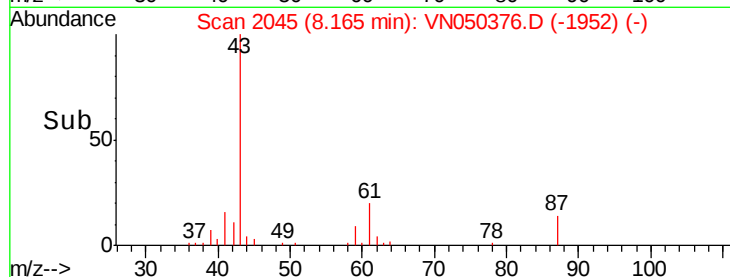
43 100

61 20.0 15.8 23.6

87 12.5 10.3 15.5



Abundance Ion 43.00 (42.70 to 43.70): VN050376.D (-1952) (-)



#44

Trichloroethene

Concen: 5.024 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050376.D

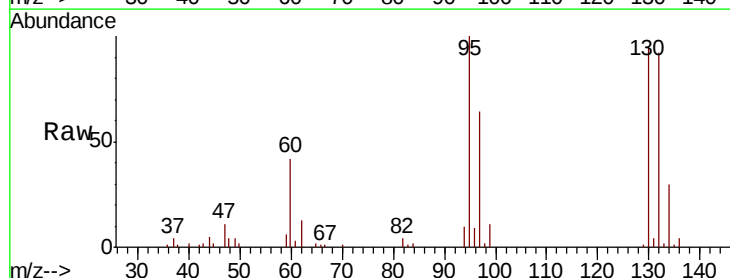
Acq: 6 Aug 2018 11:35

Tgt Ion: 130 Resp: 43237

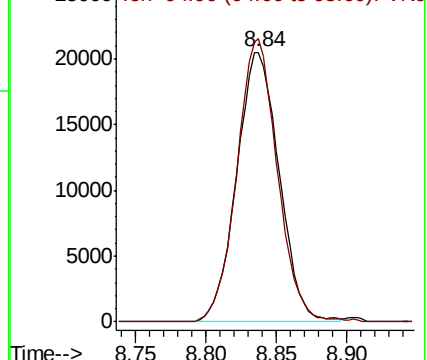
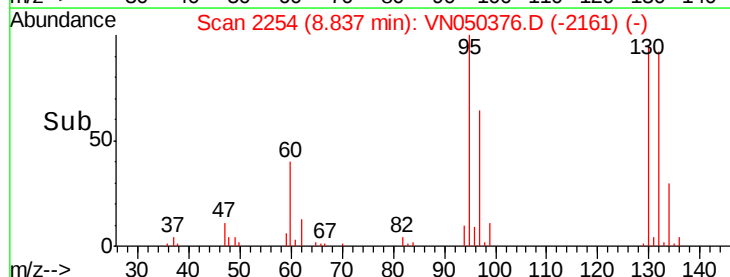
Ion Ratio Lower Upper

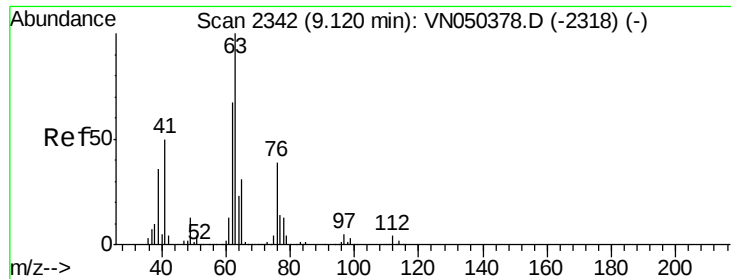
130 100

95 105.0 0.0 194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050376.D (-2161) (-)





#45

1,2-Dichloropropane

Concen: 5.167 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

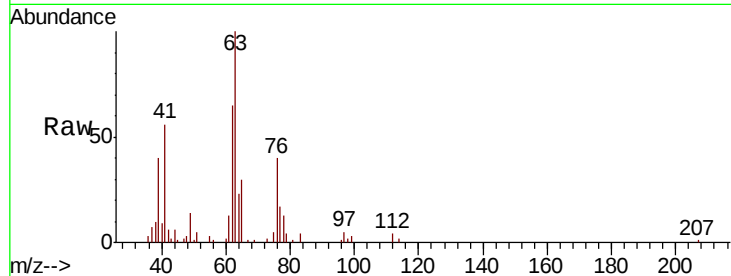
VSTDIC005

Tot Ion: 63 Resp: 43507

Ion Ratio Lower Upper

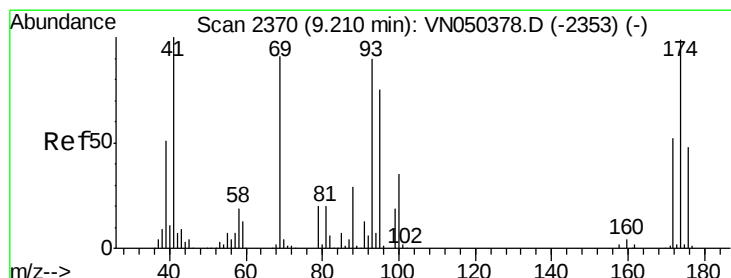
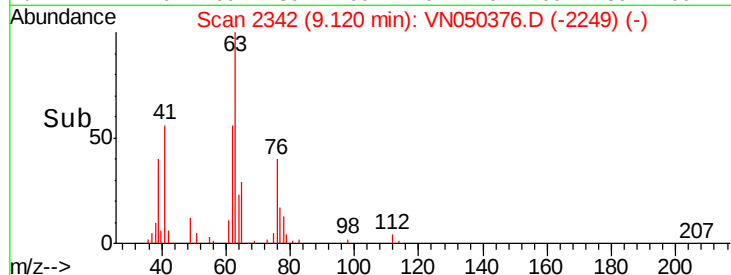
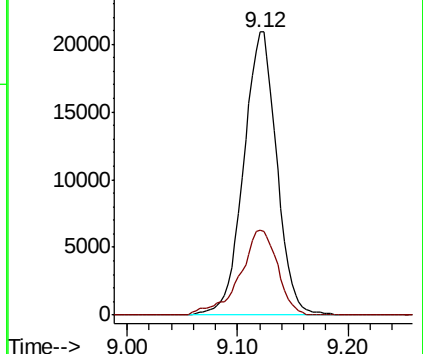
63 100

65 30.2 25.5 38.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 5.284 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

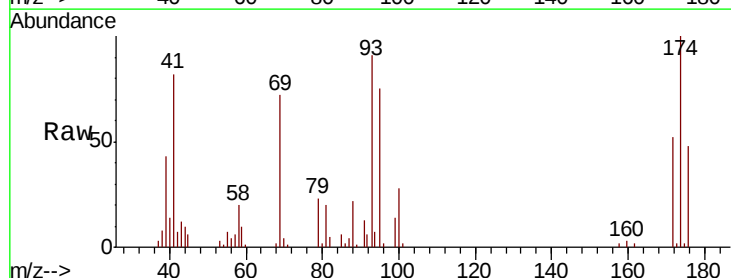
Tgt Ion: 93 Resp: 27476

Ion Ratio Lower Upper

93 100

95 82.1 66.6 100.0

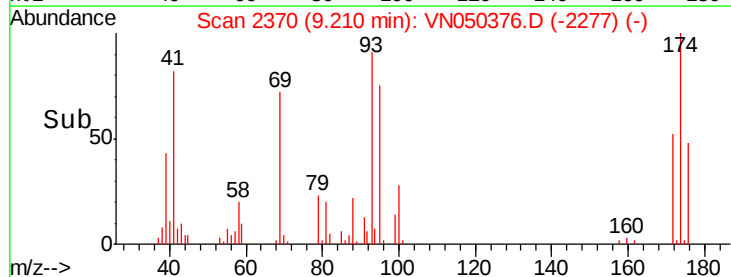
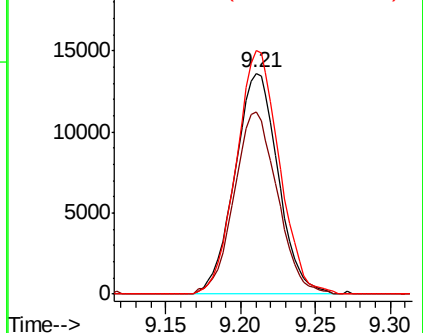
174 109.5 87.1 130.7

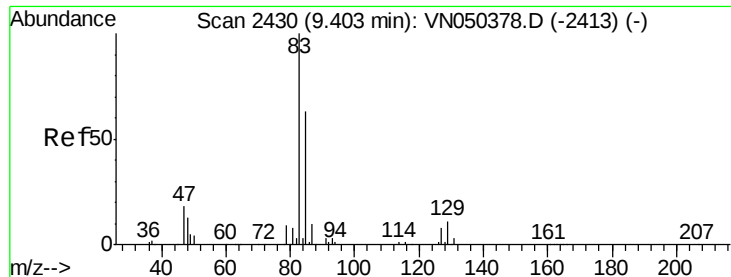


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.200 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

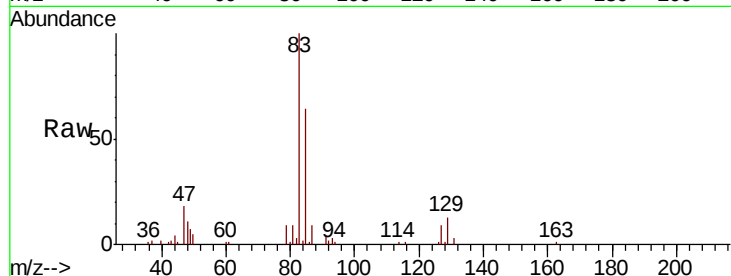
Tot Ion: 83 Resp: 56007

Ion Ratio Lower Upper

83 100

85 63.5 51.1 76.7

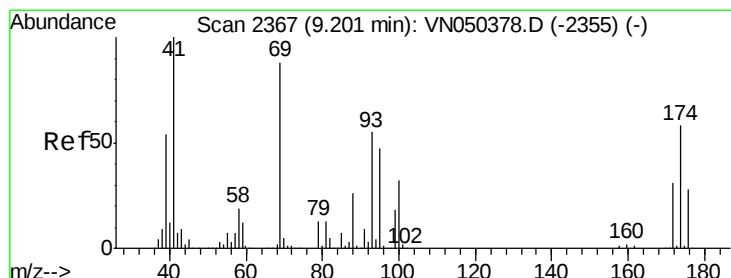
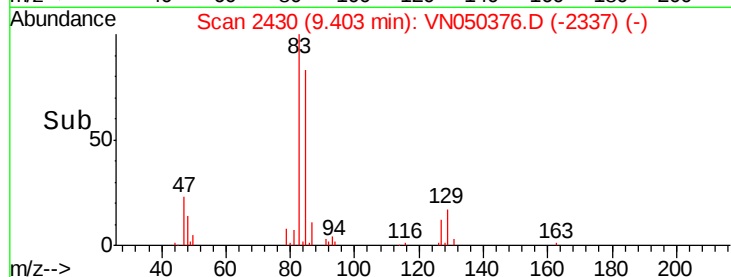
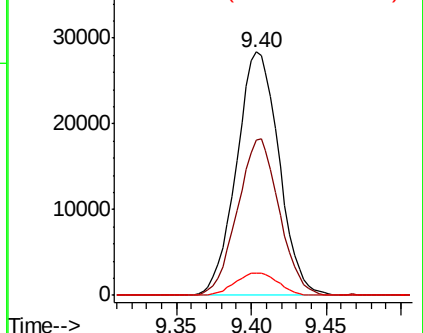
127 9.2 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 4.590 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

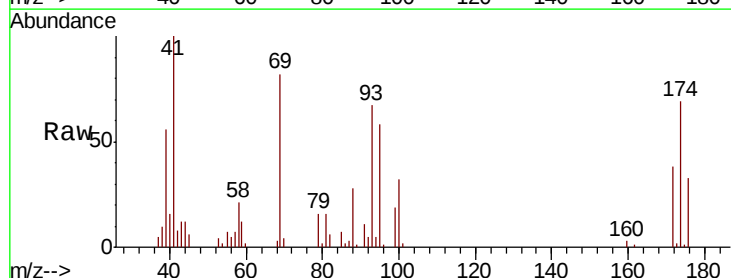
Tgt Ion: 41 Resp: 29793

Ion Ratio Lower Upper

41 100

69 86.1 70.6 105.8

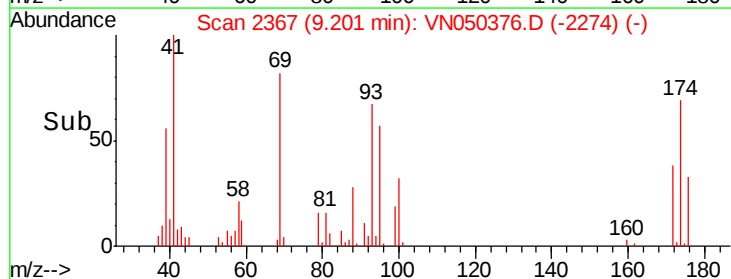
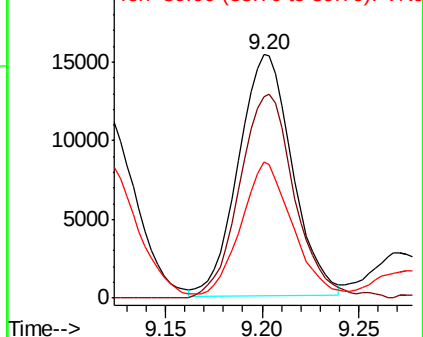
39 54.7 43.9 65.9

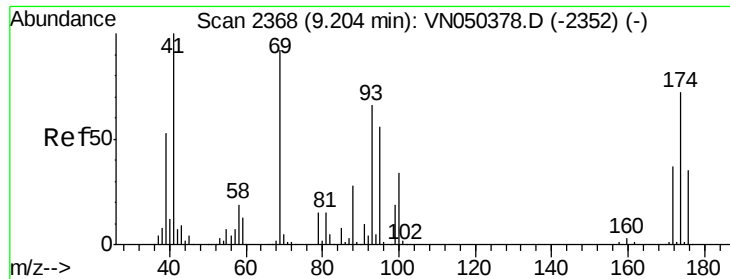


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 86.266 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

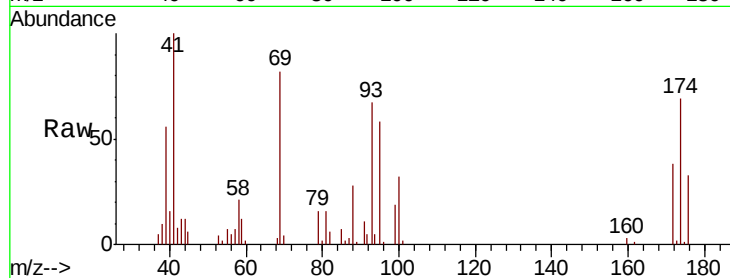
Tot Ion: 88 Resp: 8631

Ion Ratio Lower Upper

88 100

43 35.5 26.9 40.3

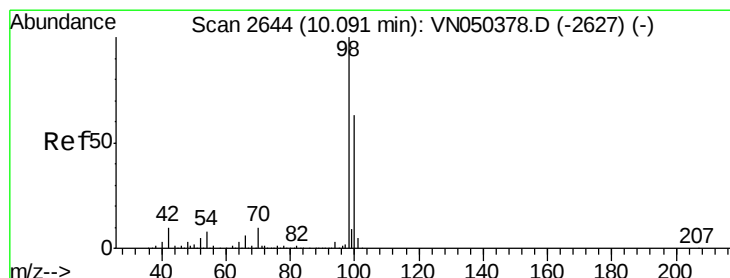
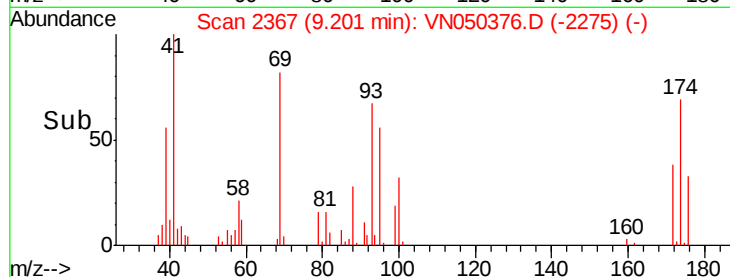
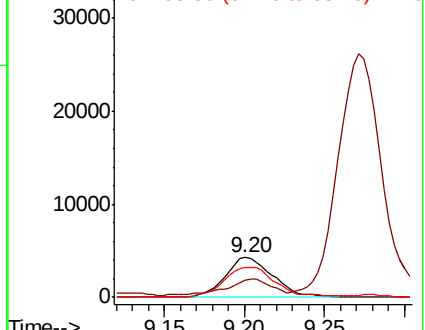
58 82.5 57.3 85.9



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 4.813 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050376.D

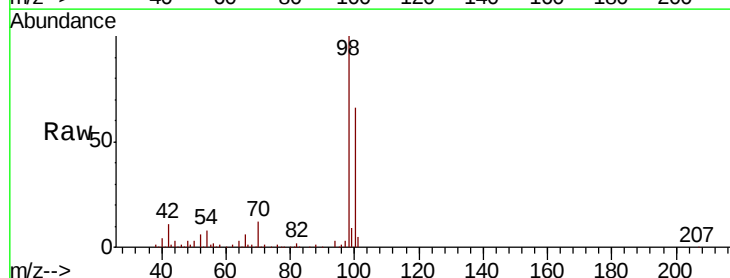
Acq: 6 Aug 2018 11:35

Tgt Ion: 98 Resp: 137679

Ion Ratio Lower Upper

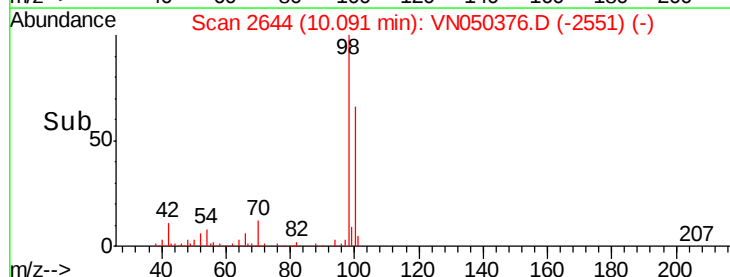
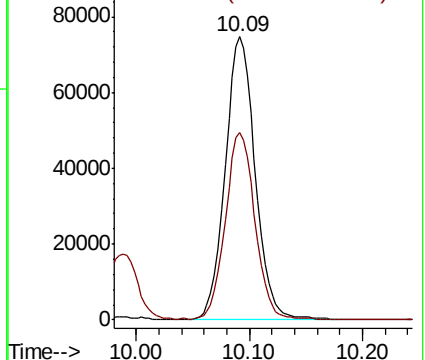
98 100

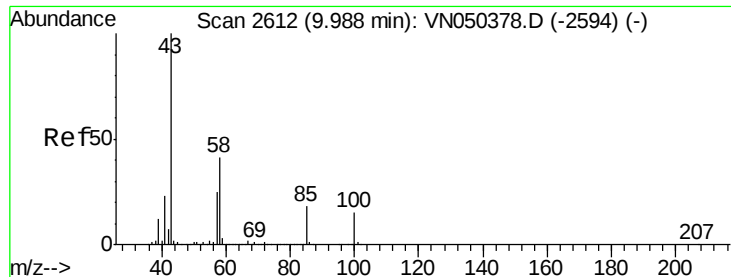
100 64.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 24.004 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

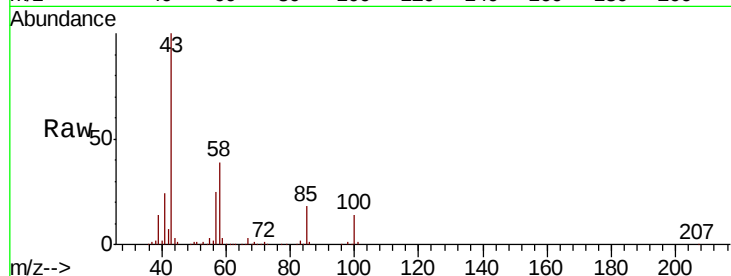
VSTDIC005

Tot Ion: 43 Resp: 223879

Ion Ratio Lower Upper

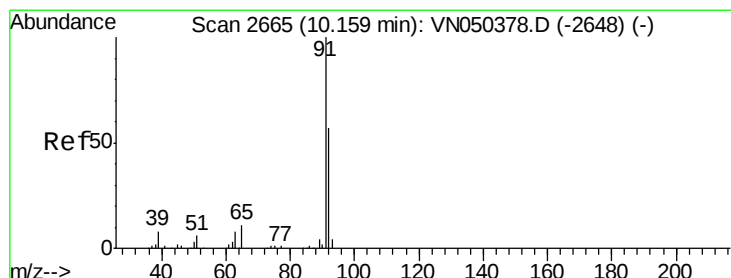
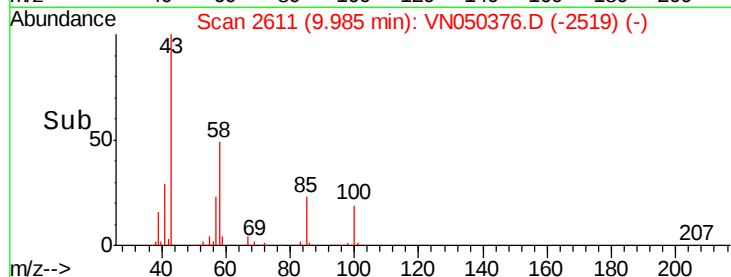
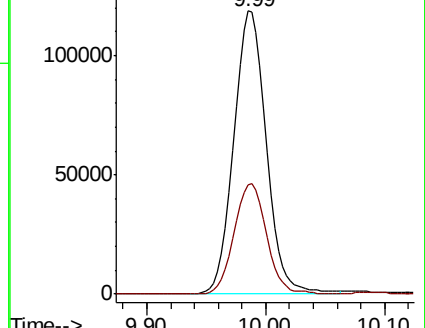
43 100

58 39.2 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2594) (-)

Ion 58.00 (57.70 to 58.70): VN050378.D (-2594) (-)



#52

Toluene

Concen: 4.952 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050376.D

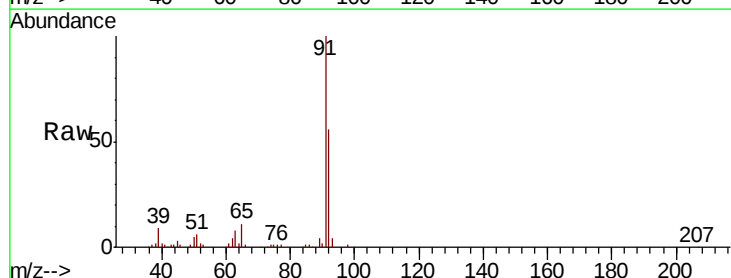
Acq: 6 Aug 2018 11:35

Tgt Ion: 92 Resp: 95265

Ion Ratio Lower Upper

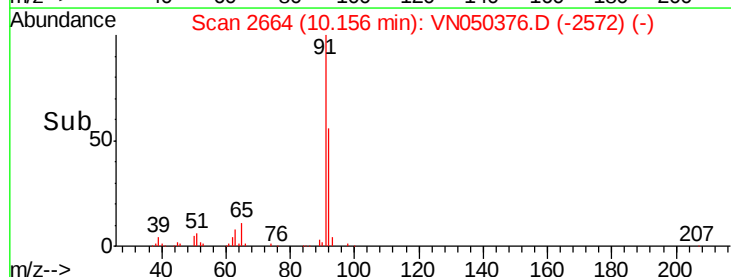
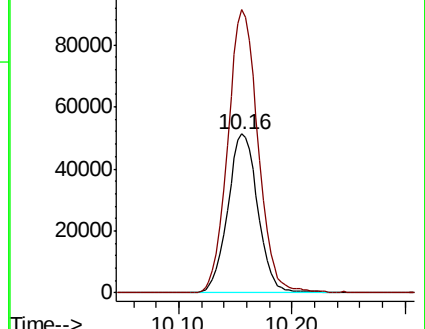
92 100

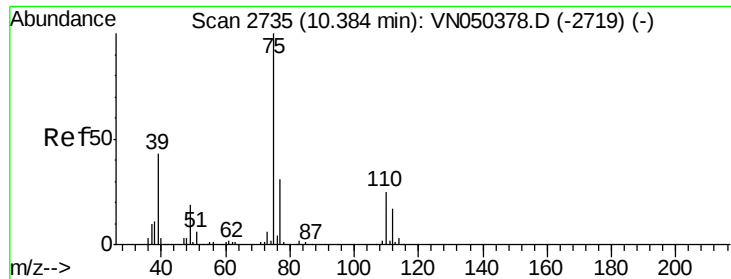
91 178.1 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN050378.D (-2648) (-)

Ion 91.00 (90.70 to 91.70): VN050378.D (-2648) (-)





#53

t-1,3-Dichloropropene

Concen: 4.763 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

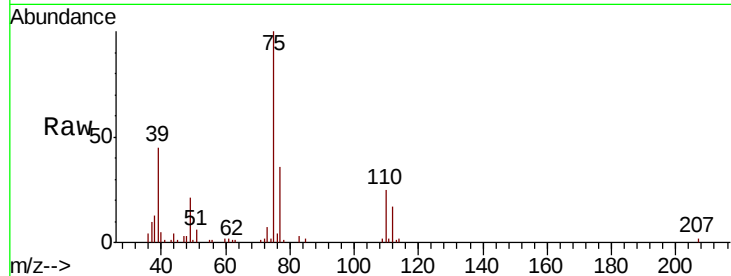
VSTDIC005

Tot Ion: 75 Resp: 51508

Ion Ratio Lower Upper

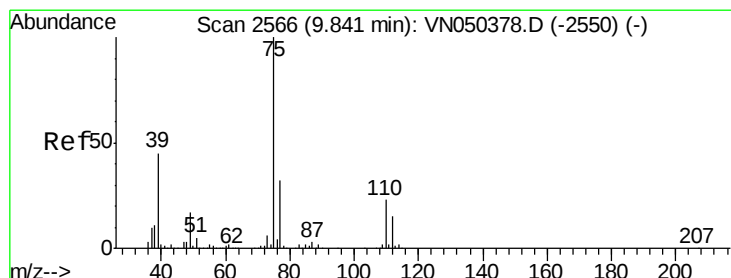
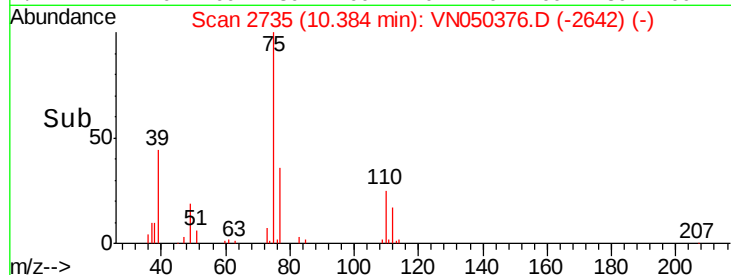
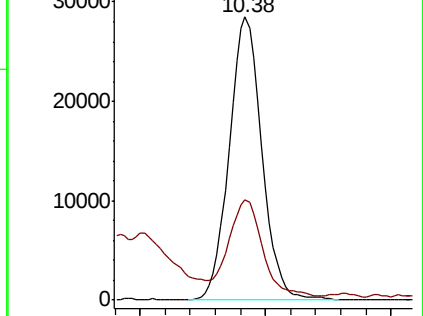
75 100

77 33.4 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.834 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

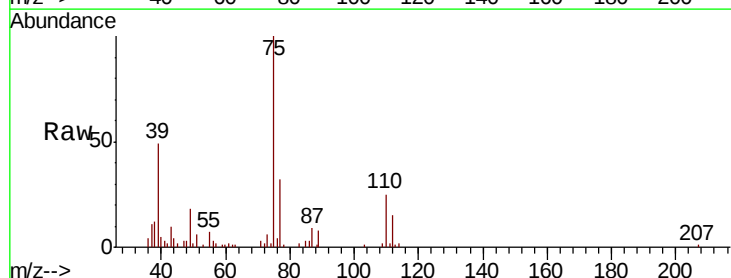
Tgt Ion: 75 Resp: 58332

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

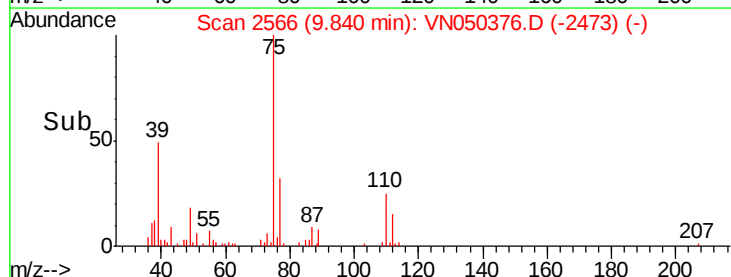
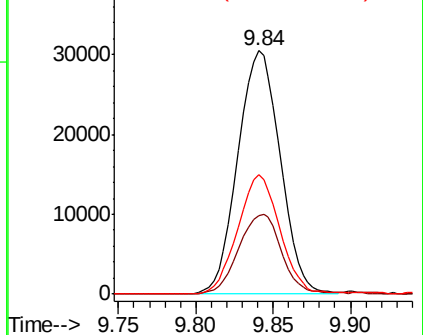
39 49.0 36.6 55.0

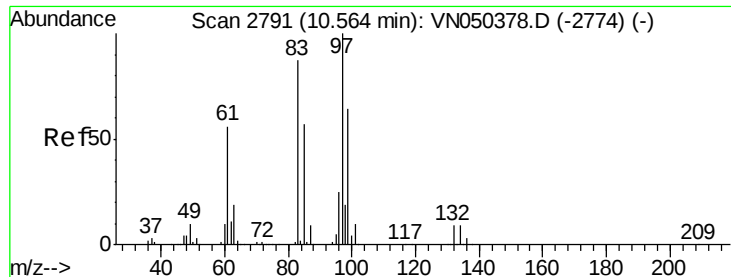


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

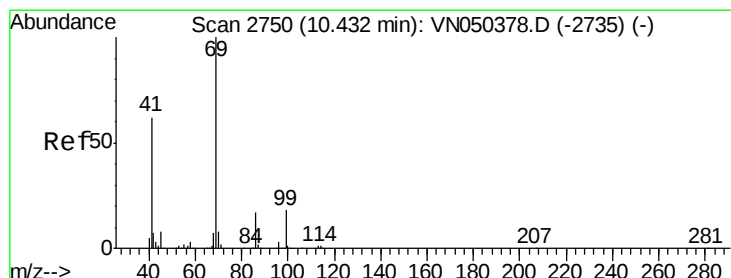
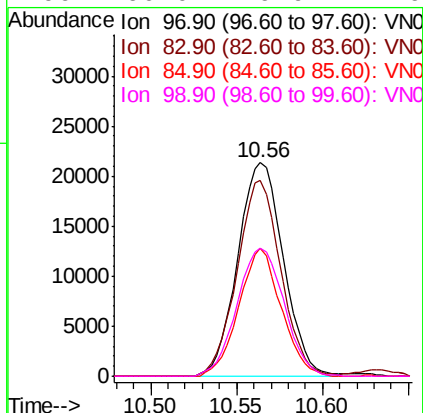
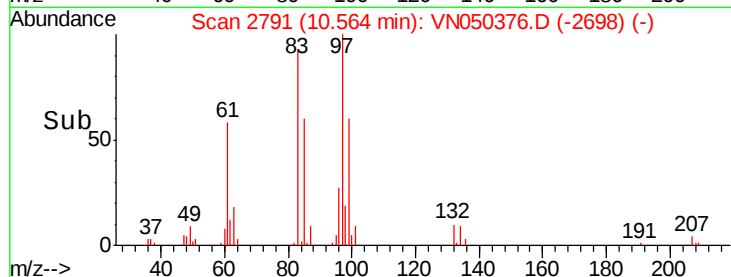
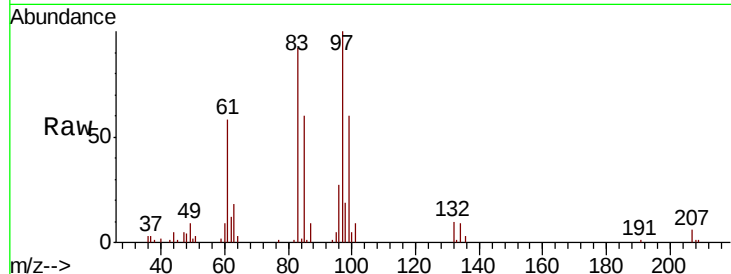




#55
 1,1,2-Trichloroethane
 Concen: 5.240 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

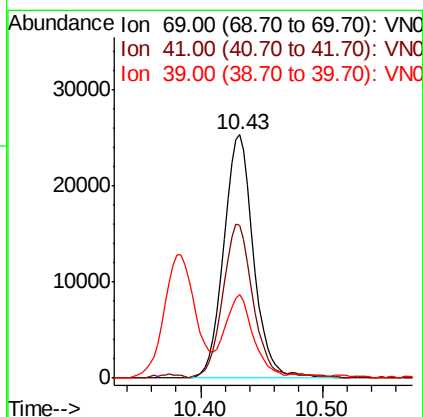
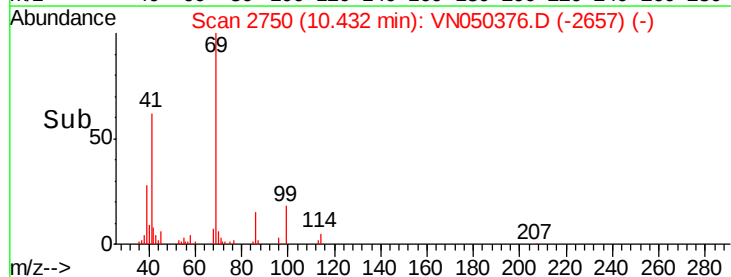
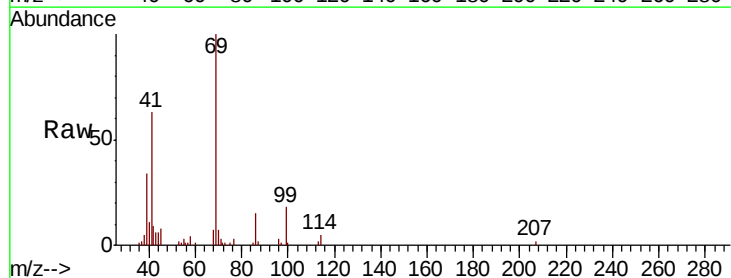
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

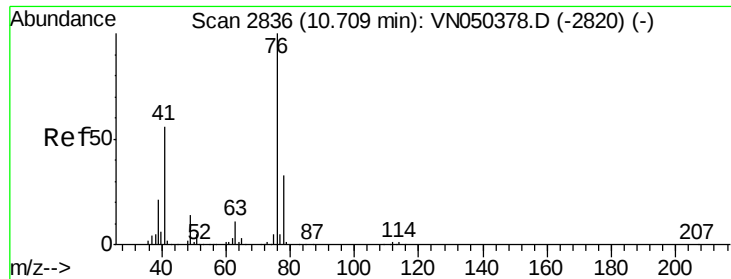
Tot Ion:	97	Resp:	39353
Ion	Ratio	Lower	Upper
97	100		
83	91.8	69.2	103.8
85	59.9	44.0	66.0
99	60.0	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 5.632 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

Tgt Ion:	69	Resp:	43155
Ion	Ratio	Lower	Upper
69	100		
41	65.8	51.0	76.4
39	31.0	26.6	40.0





#57

1,3-Dichloropropane

Concen: 5.000 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

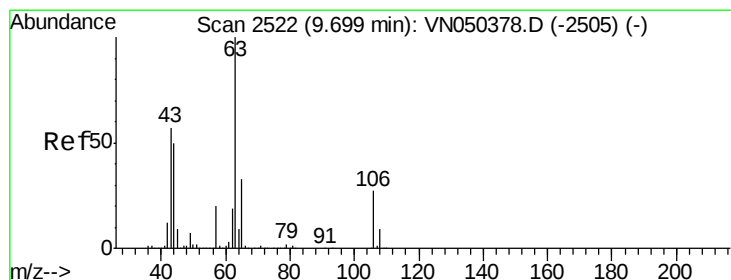
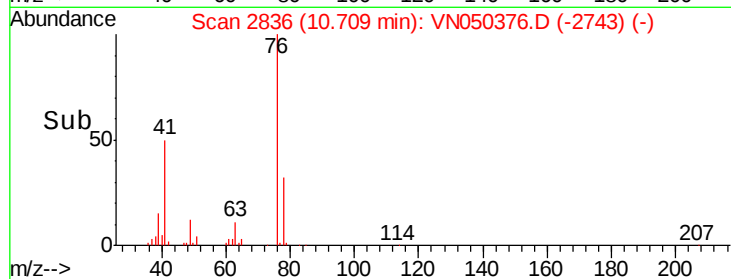
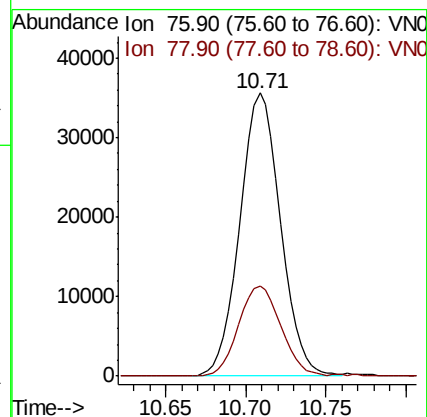
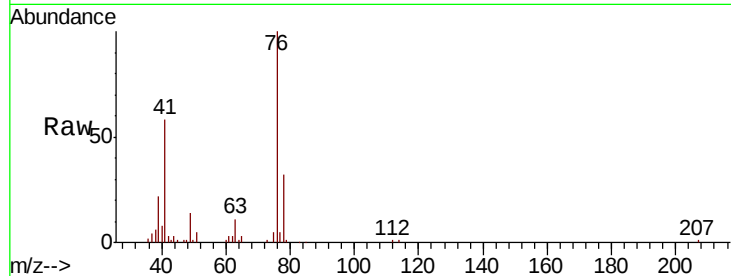
VSTDIC005

Tot Ion: 76 Resp: 61638

Ion Ratio Lower Upper

76 100

78 33.2 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 26.529 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050376.D

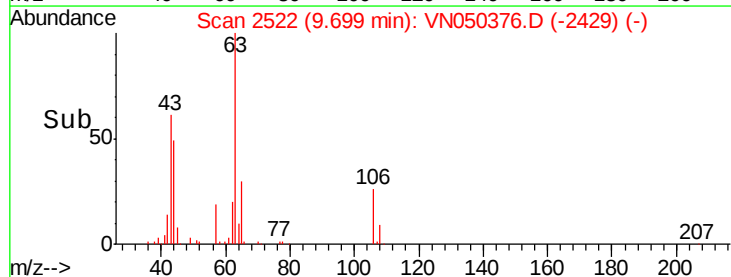
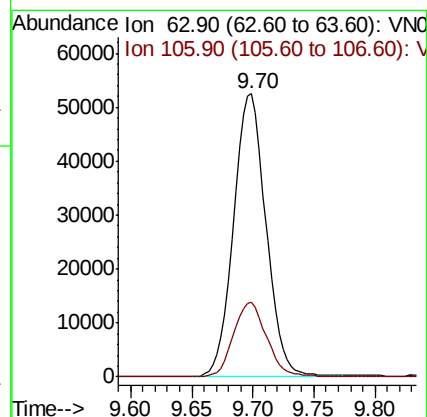
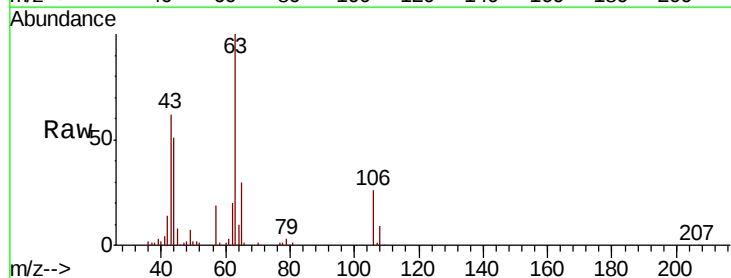
Acq: 6 Aug 2018 11:35

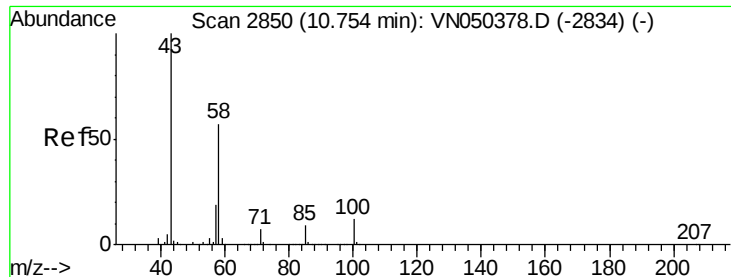
Tgt Ion: 63 Resp: 97687

Ion Ratio Lower Upper

63 100

106 26.8 21.7 32.5

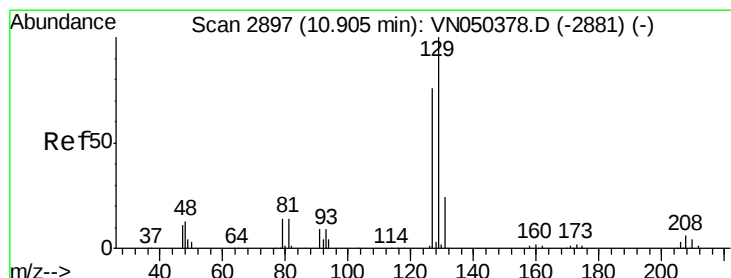
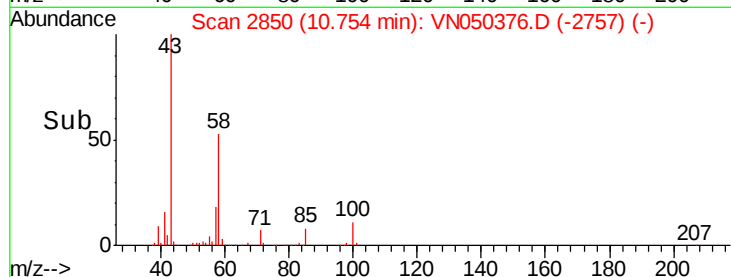
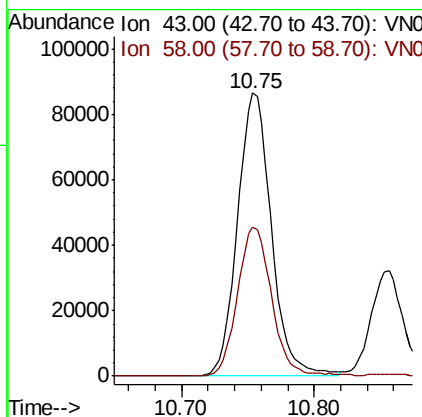
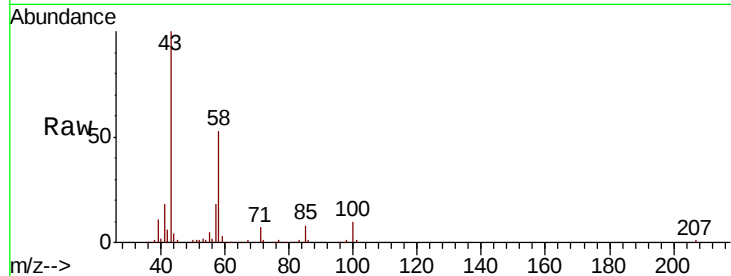




#59
2-Hexanone
Concen: 23.444 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

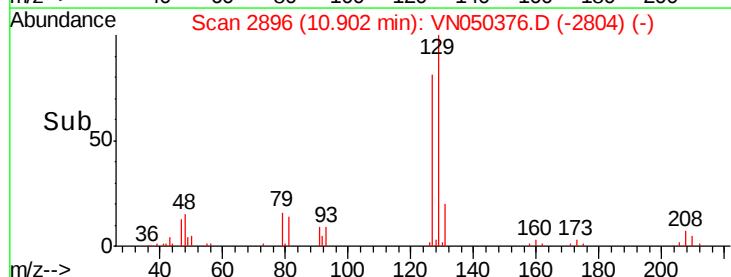
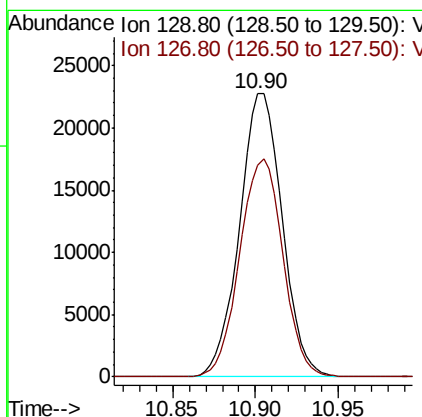
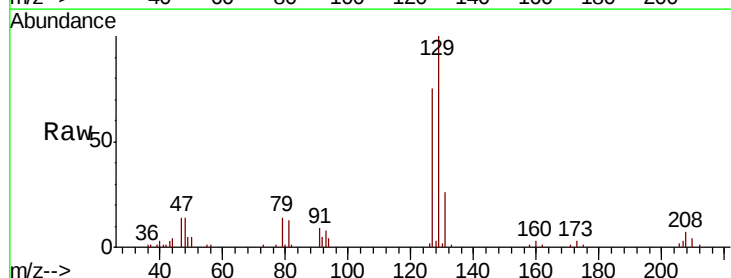
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

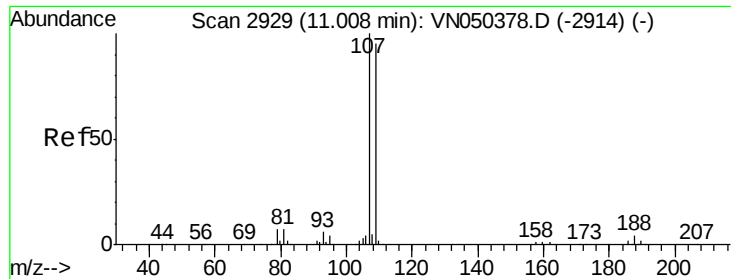
Tot Ion: 43 Resp: 152598
Ion Ratio Lower Upper
43 100
58 53.6 27.6 82.7



#60
Dibromochloromethane
Concen: 4.929 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Tgt Ion: 129 Resp: 40782
Ion Ratio Lower Upper
129 100
127 78.0 38.0 113.9

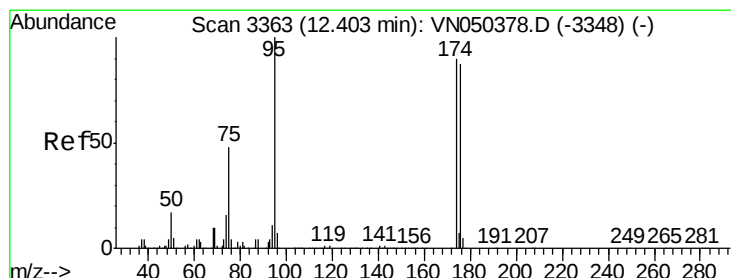
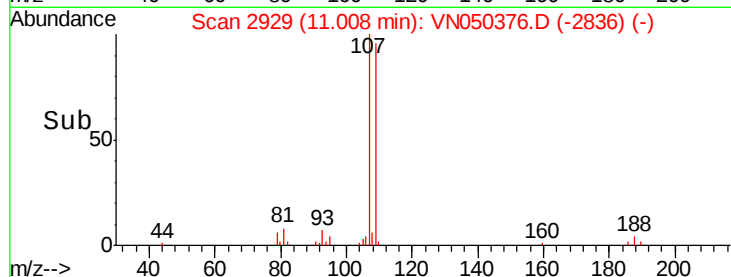
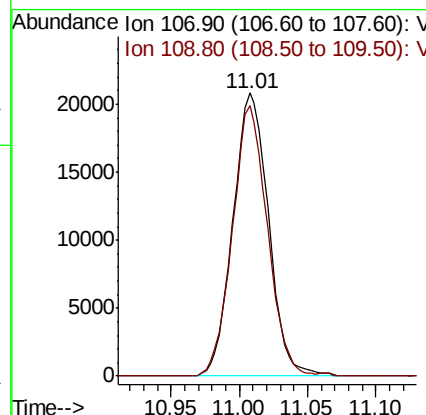
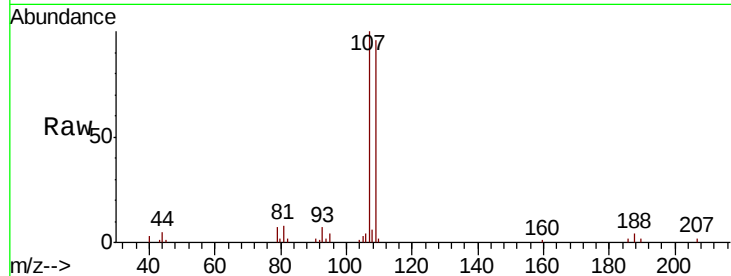




#61
 1,2-Dibromoethane
 Concen: 5.104 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

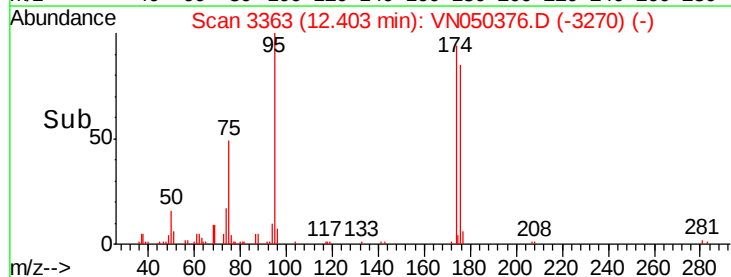
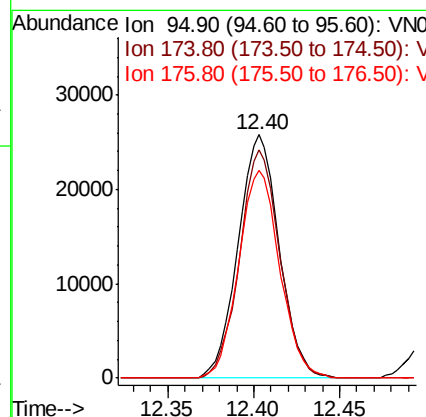
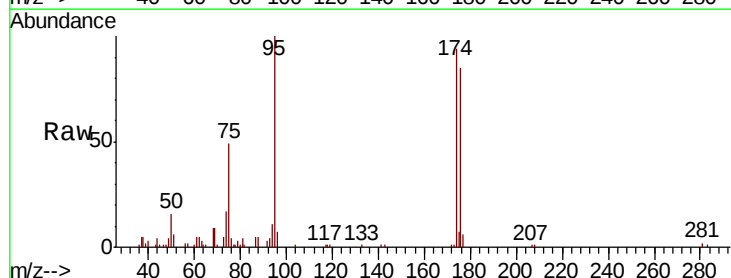
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

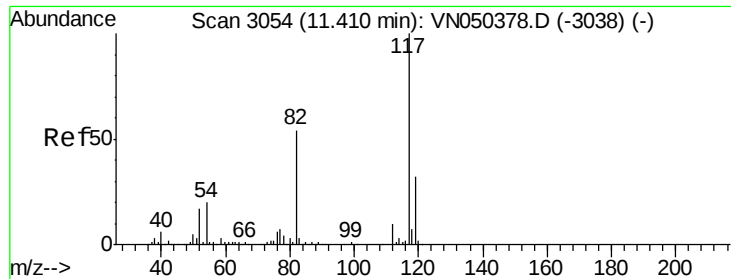
Tot Ion:107 Resp: 37787
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 4.395 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

Tgt Ion: 95 Resp: 42844
 Ion Ratio Lower Upper
 95 100
 174 91.6 0.0 178.2
 176 85.6 0.0 173.4

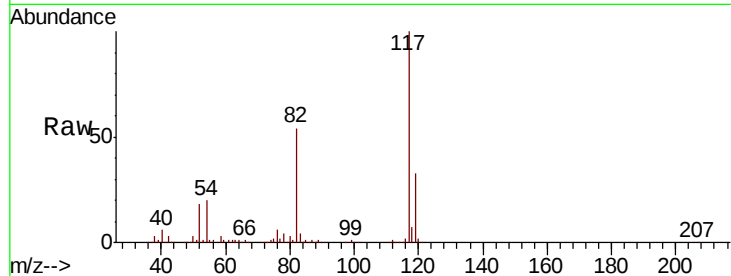




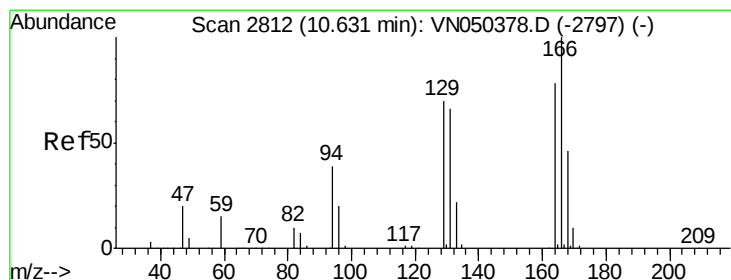
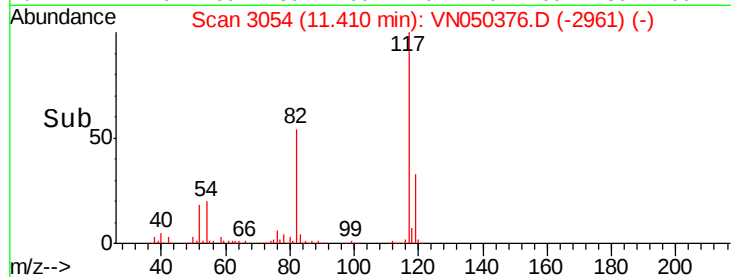
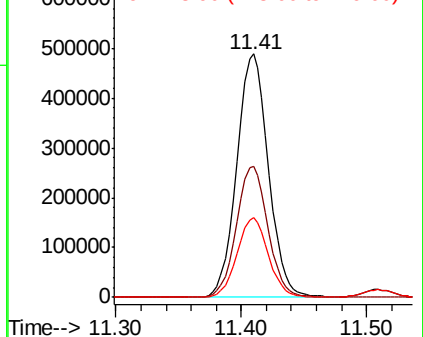
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 854955
Ion Ratio Lower Upper
117 100
82 53.9 43.7 65.5
119 32.7 26.1 39.1

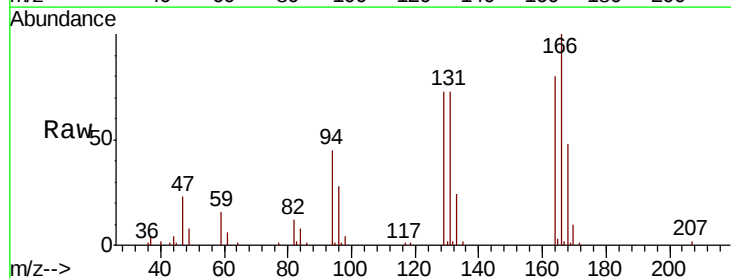


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

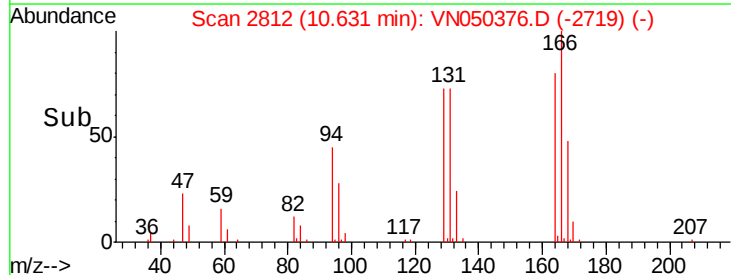
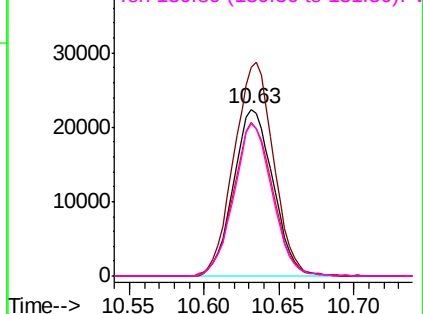


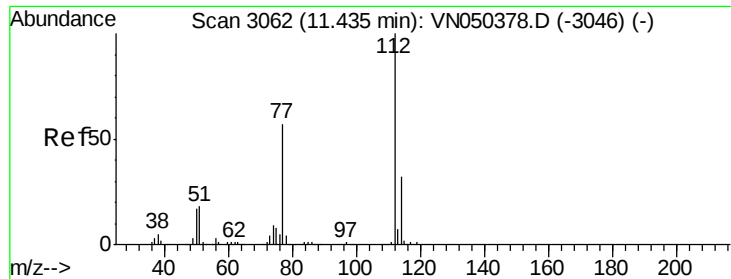
#64
Tetrachloroethene
Concen: 5.171 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Tgt Ion:164 Resp: 41310
Ion Ratio Lower Upper
164 100
166 125.1 102.1 153.1
129 91.8 73.2 109.8
131 91.1 70.6 106.0



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

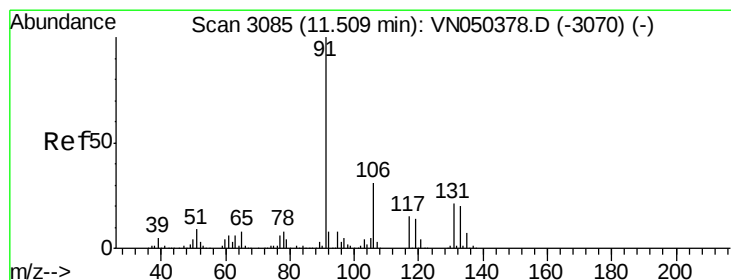
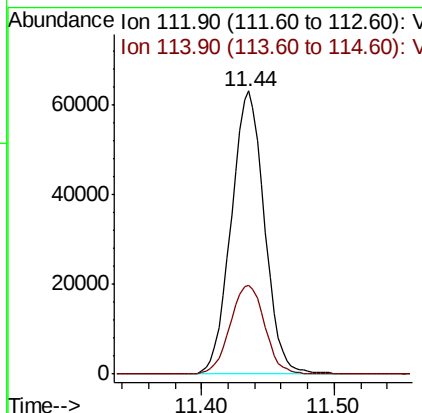
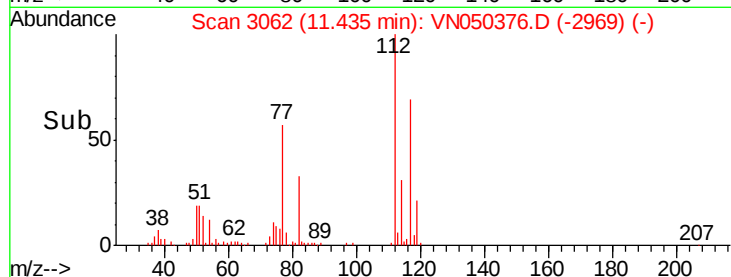
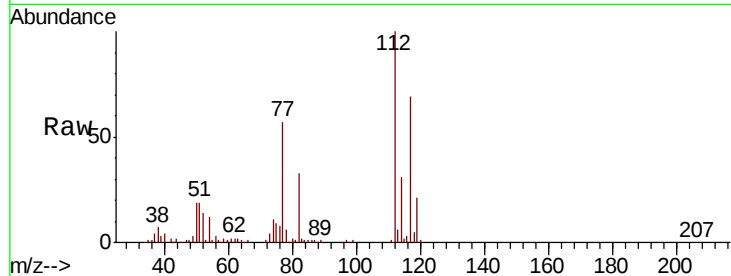




#65
Chlorobenzene
Concen: 5.119 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

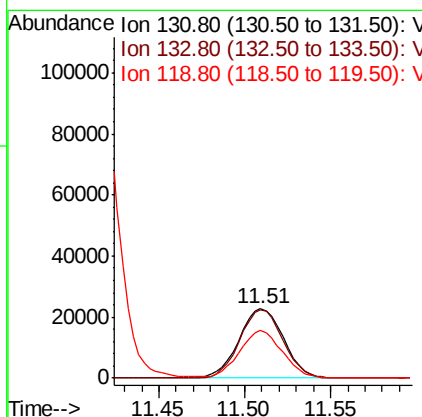
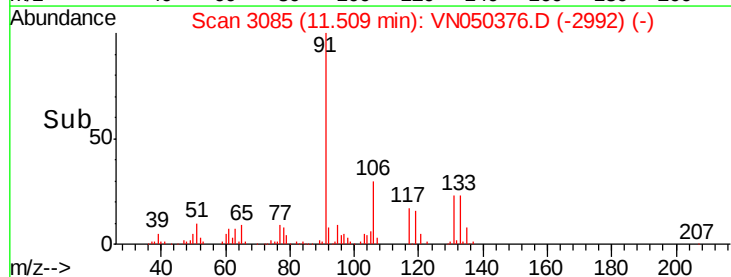
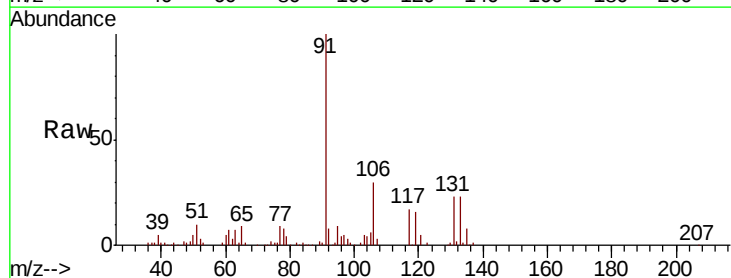
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

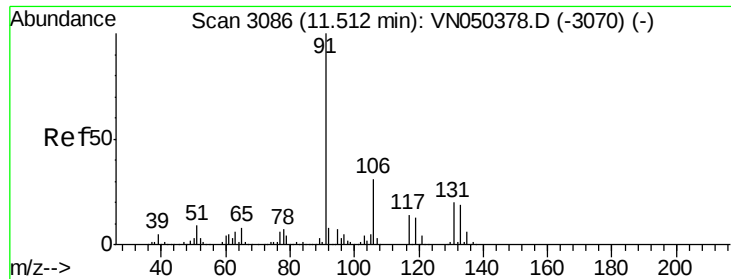
Tot Ion:112 Resp: 109721
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 5.242 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Tgt Ion:131 Resp: 40896
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.9
119 66.0 32.9 98.7

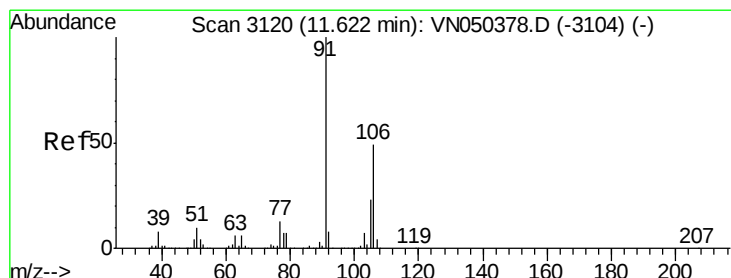
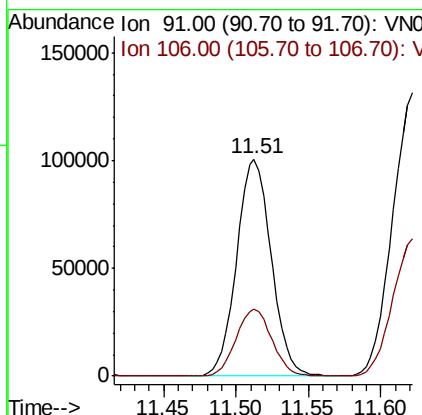
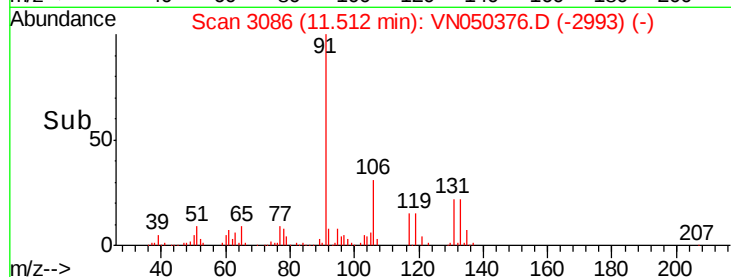
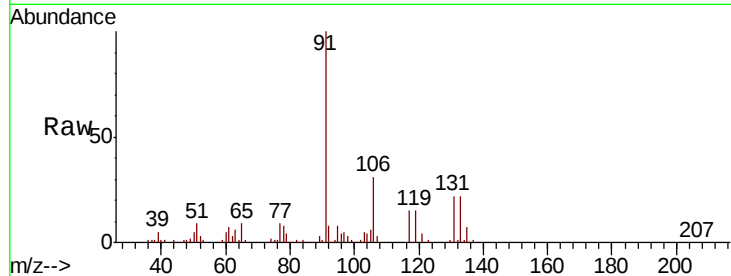




#67
Ethyl Benzene
Concen: 4.828 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

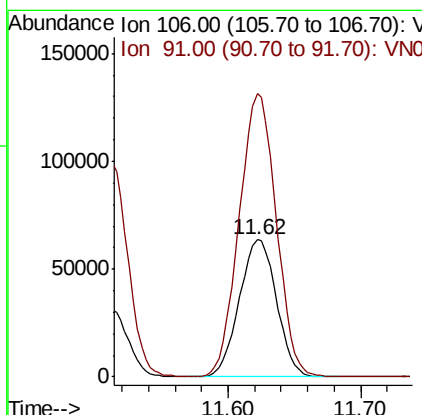
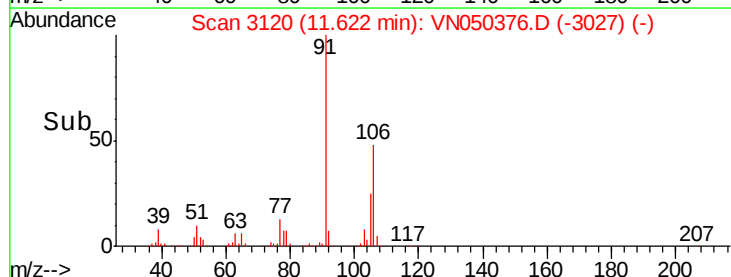
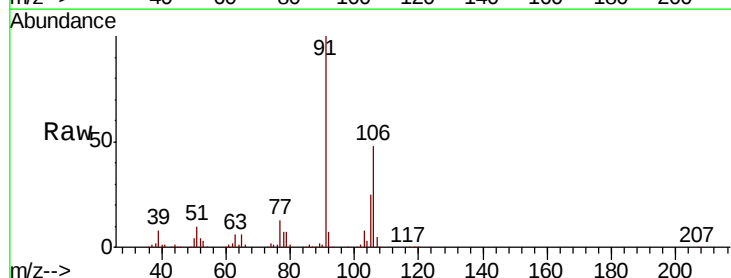
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

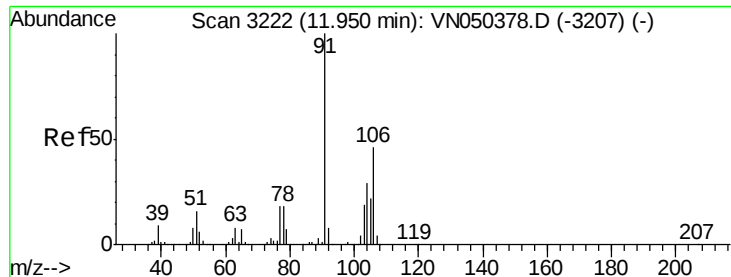
Tot Ion: 91 Resp: 167262
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.4



#68
m/p-Xylenes
Concen: 9.435 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Tgt Ion: 106 Resp: 124444
Ion Ratio Lower Upper
106 100
91 204.6 162.2 243.2

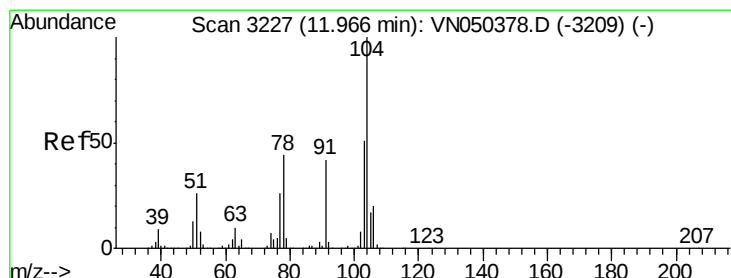
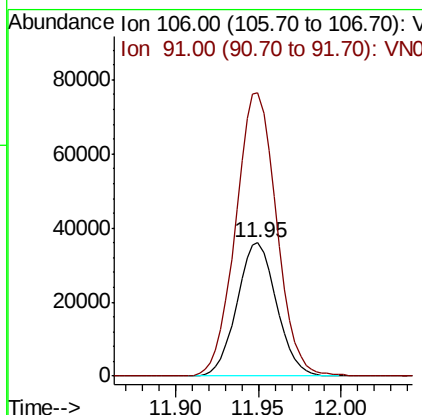
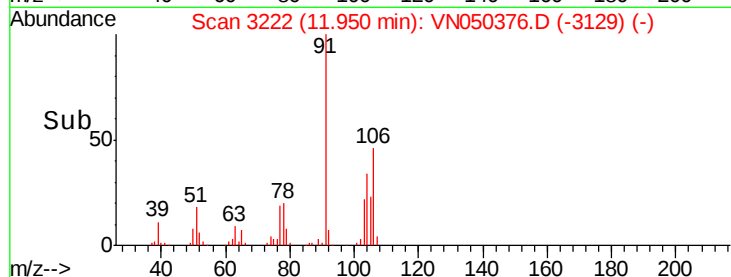
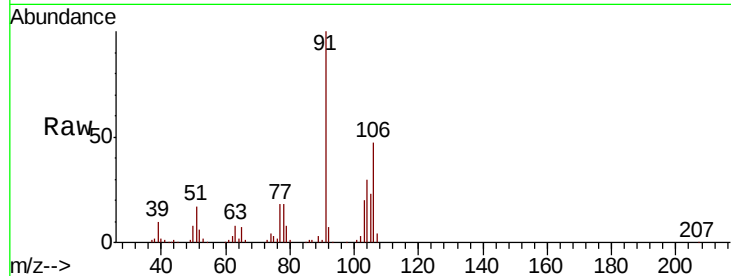




#69
o-Xylene
Concen: 4.727 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

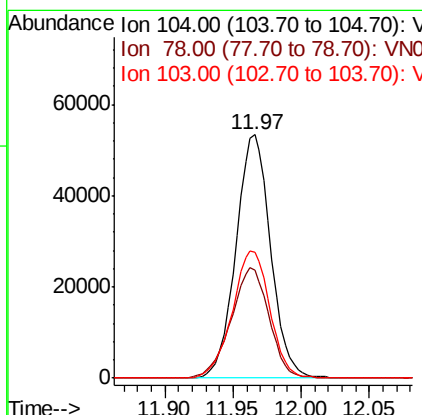
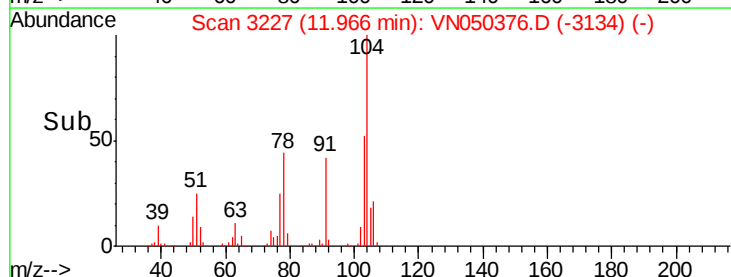
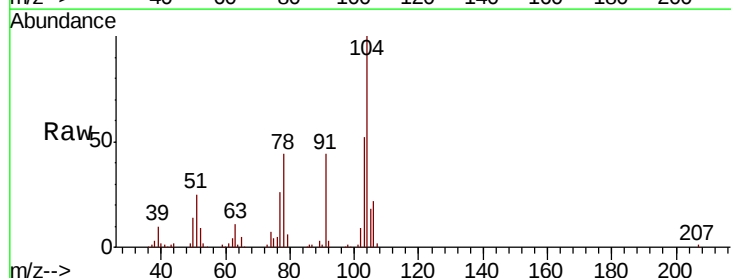
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

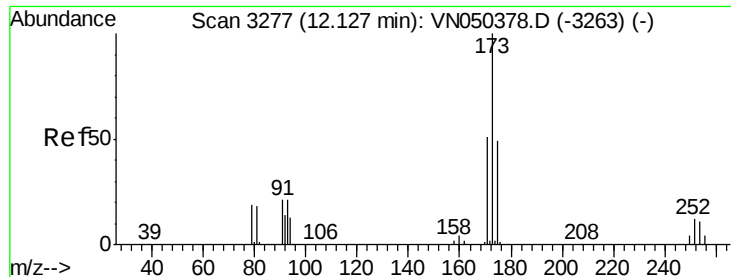
Tot Ion:106 Resp: 60056
Ion Ratio Lower Upper
106 100
91 219.0 107.7 323.1



#70
Styrene
Concen: 4.556 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Tgt Ion:104 Resp: 94139
Ion Ratio Lower Upper
104 100
78 49.7 39.3 58.9
103 56.4 45.0 67.6





#71

Bromoform

Concen: 4.919 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

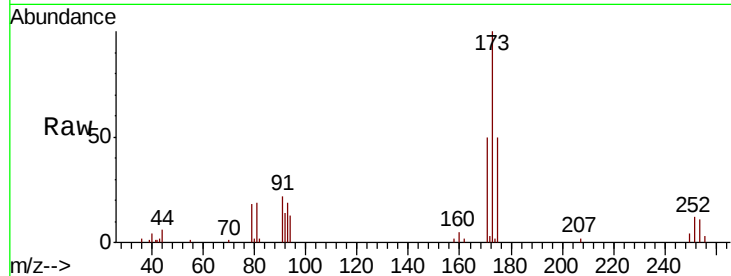
Tot Ion:173 Resp: 28045

Ion Ratio Lower Upper

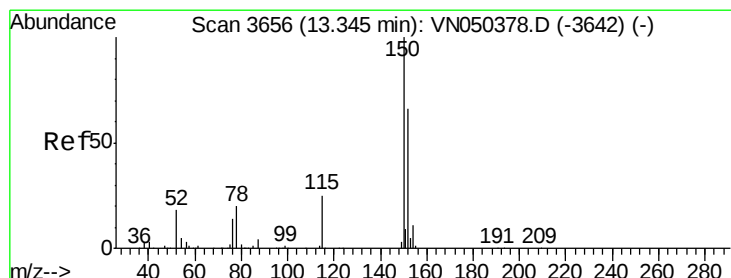
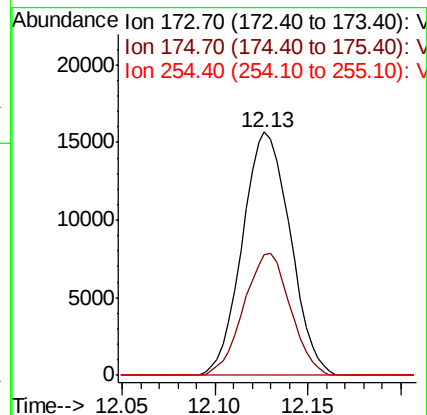
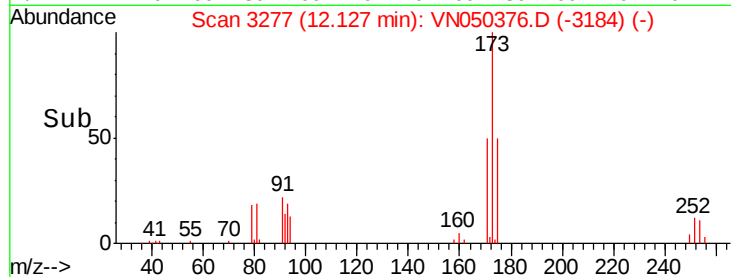
173 100

175 48.8 24.1 72.2

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

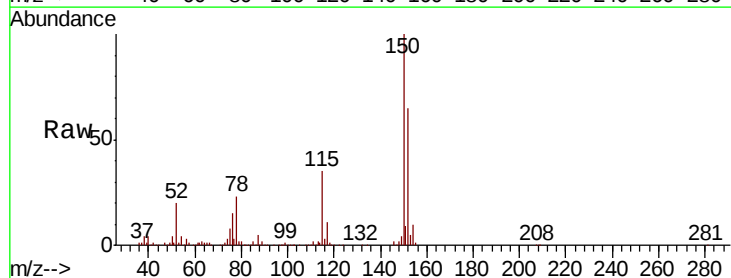
Tgt Ion:152 Resp: 411319

Ion Ratio Lower Upper

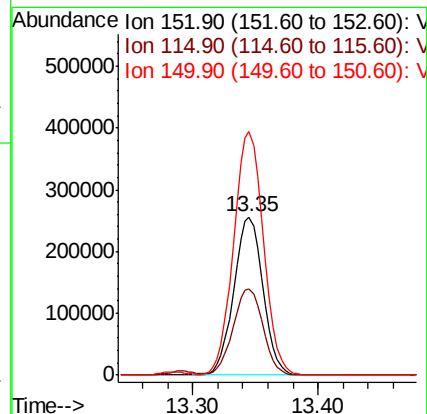
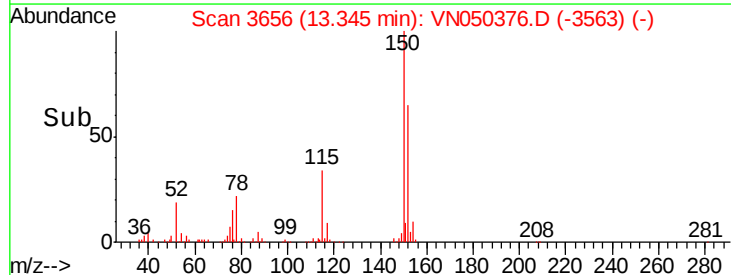
152 100

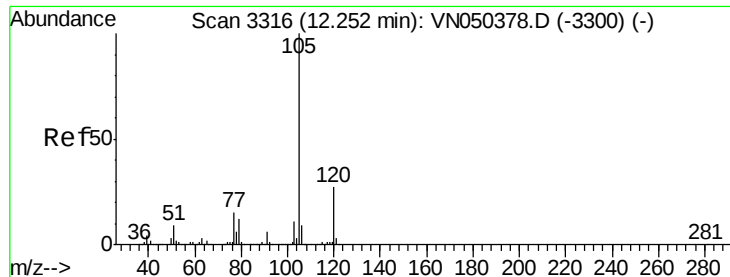
115 56.1 27.8 83.3

150 157.8 0.0 348.6



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





#73

Isopropylbenzene

Concen: 5.159 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampled :

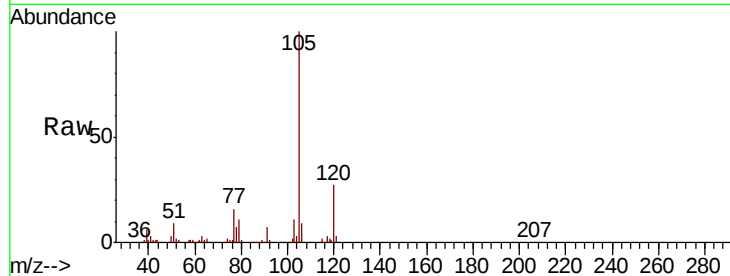
VSTDIC005

Tot Ion:105 Resp: 159300

Ion Ratio Lower Upper

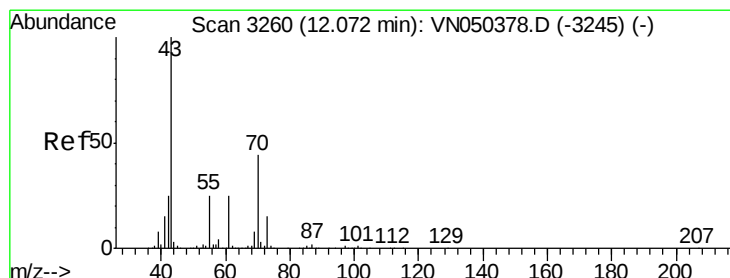
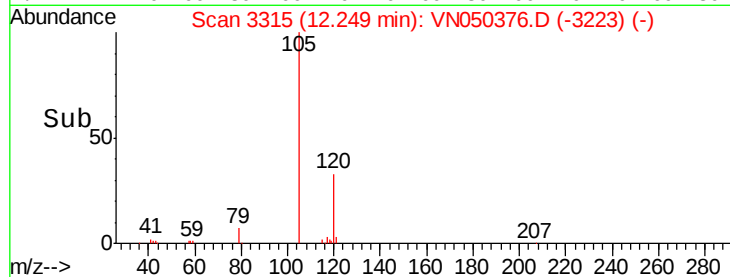
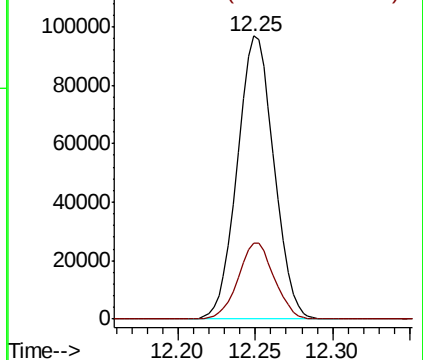
105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.898 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Tgt Ion: 43 Resp: 49018

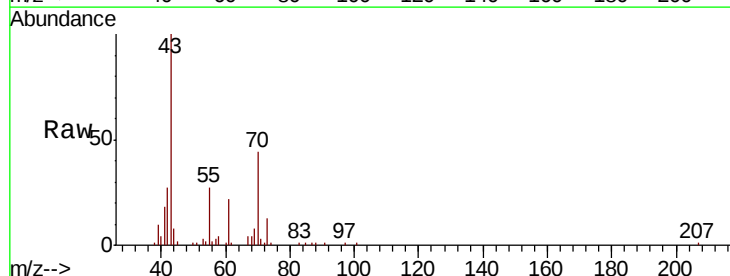
Ion Ratio Lower Upper

43 100

70 41.6 34.4 51.6

55 26.5 20.8 31.2

61 22.6 19.7 29.5

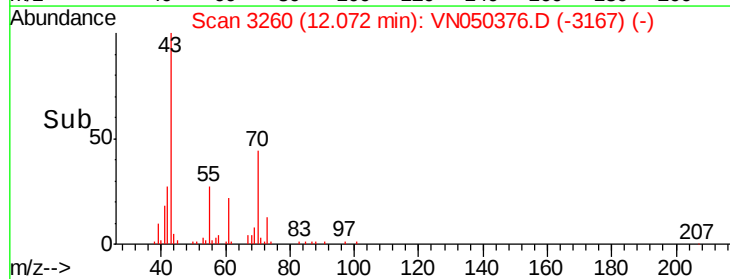
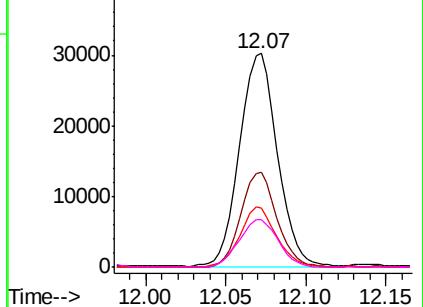


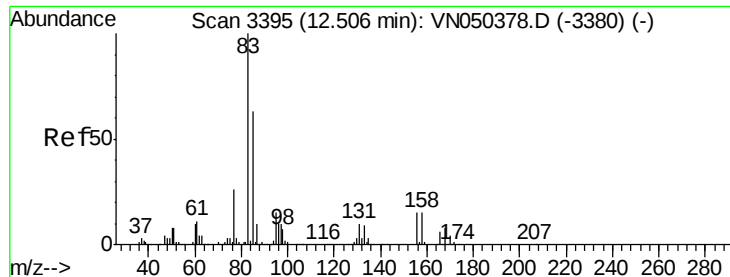
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.492 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

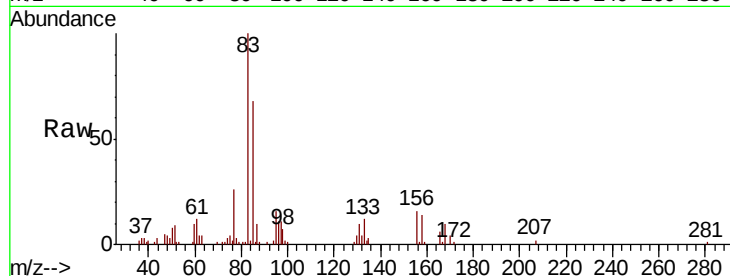
Tot Ion: 83 Resp: 48927

Ion Ratio Lower Upper

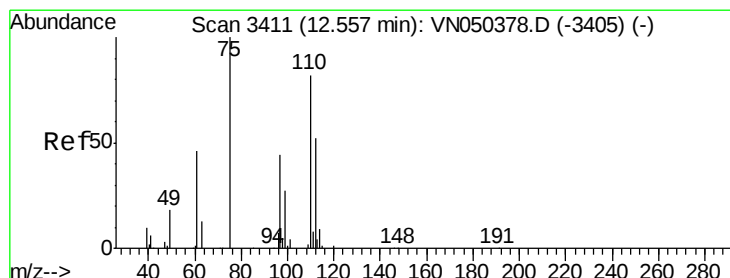
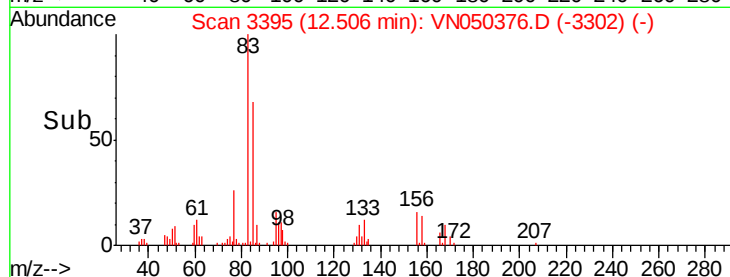
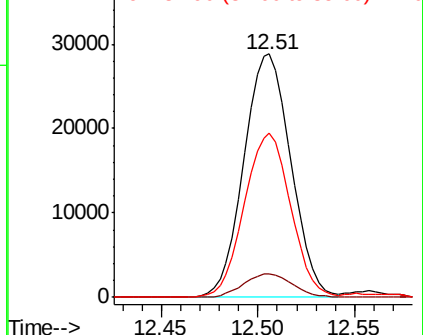
83 100

131 9.9 5.1 15.3

85 66.3 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 7.626 ug/l

RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN050376.D

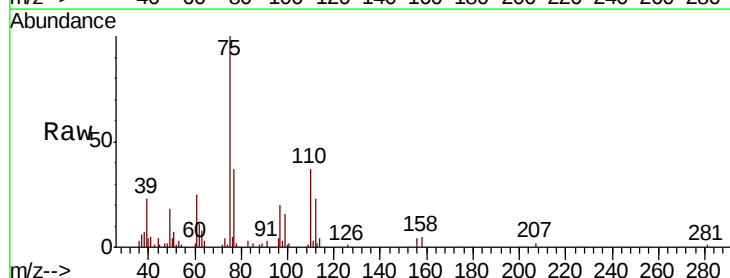
Acq: 6 Aug 2018 11:35

Tgt Ion: 75 Resp: 56776

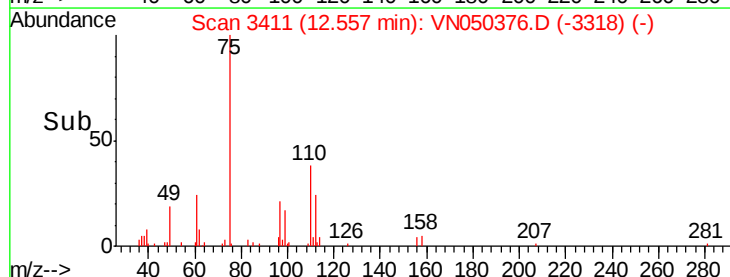
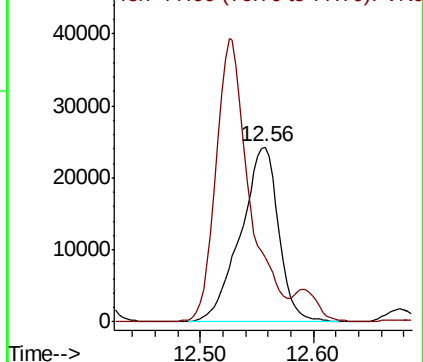
Ion Ratio Lower Upper

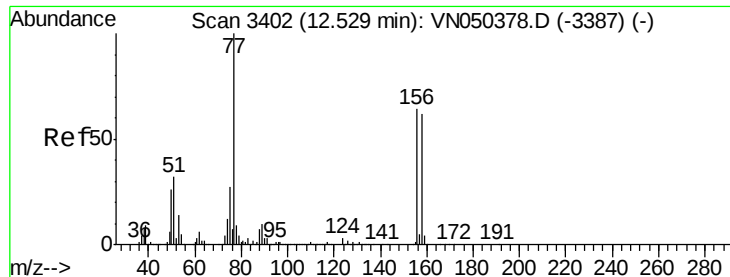
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 5.155 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

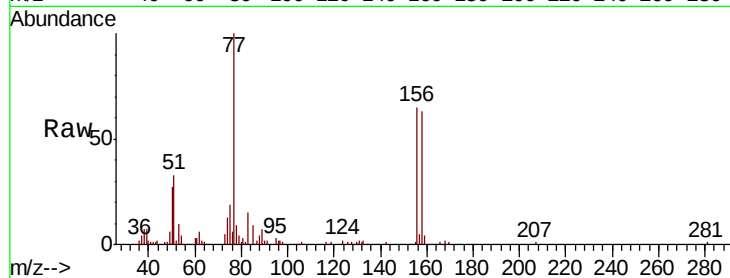
Tot Ion:156 Resp: 42639

Ion Ratio Lower Upper

156 100

77 188.9 91.7 275.1

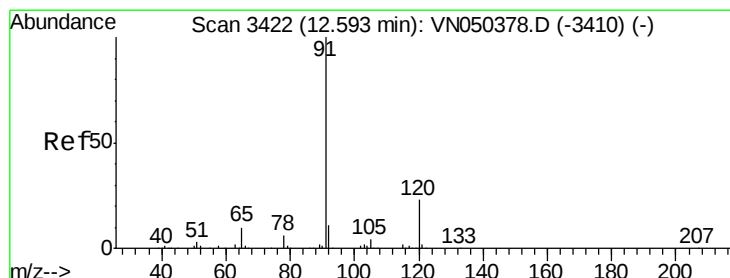
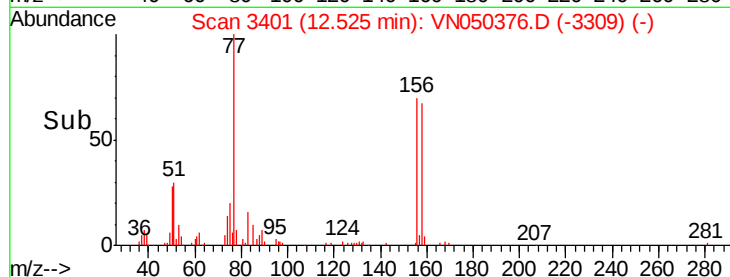
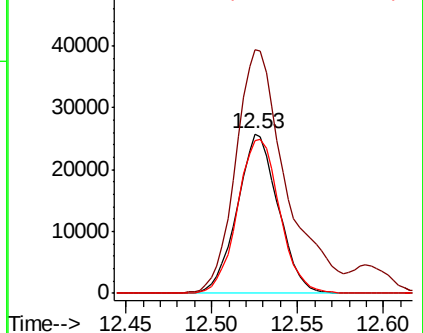
158 99.3 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.963 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050376.D

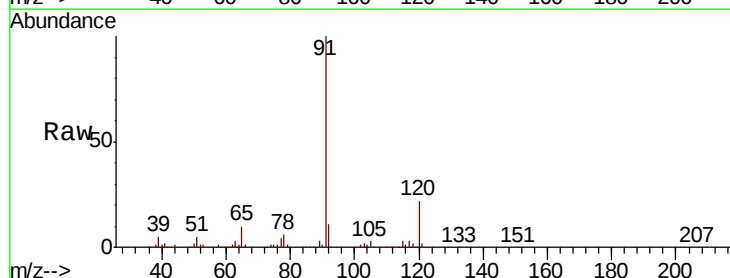
Acq: 6 Aug 2018 11:35

Tgt Ion: 91 Resp: 173437

Ion Ratio Lower Upper

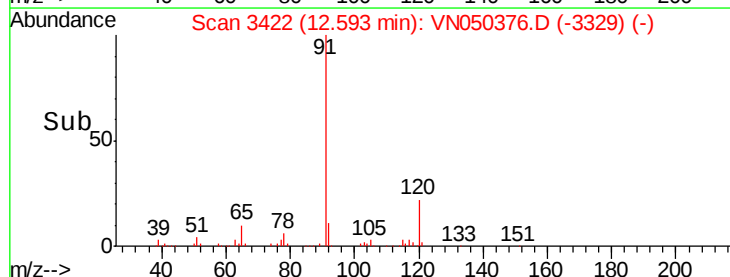
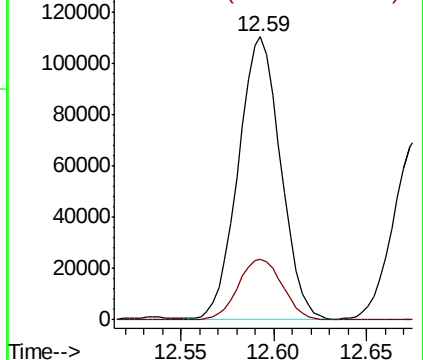
91 100

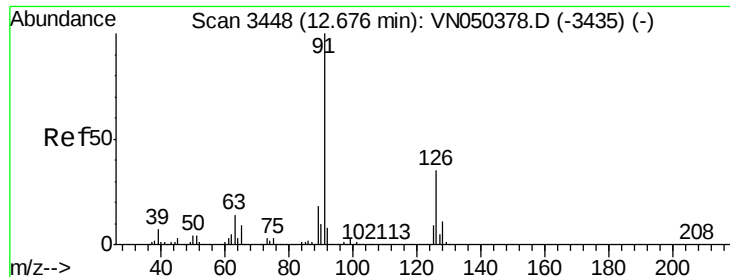
120 22.5 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.117 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

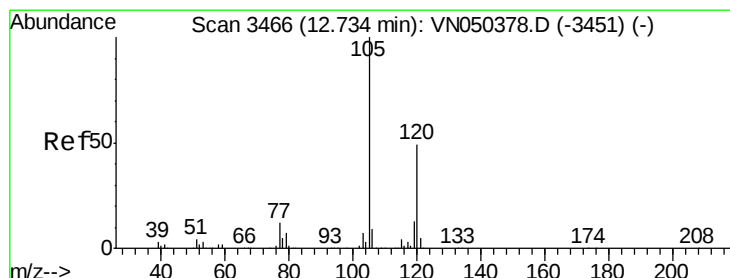
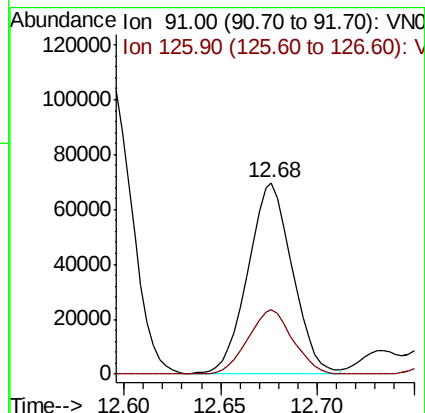
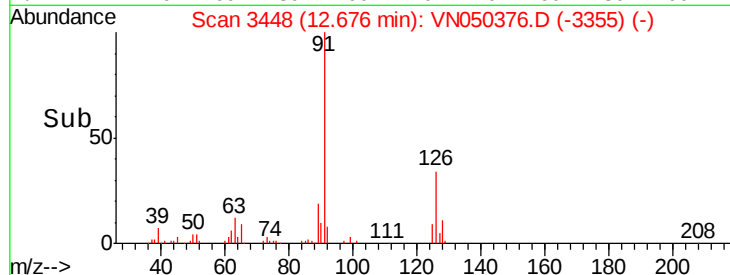
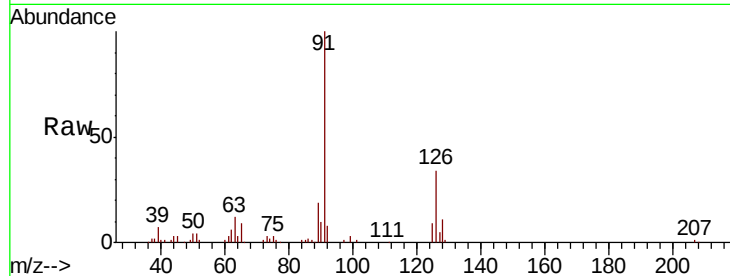
VSTDIC005

Tot Ion: 91 Resp: 110444

Ion Ratio Lower Upper

91 100

126 34.2 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 5.053 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050376.D

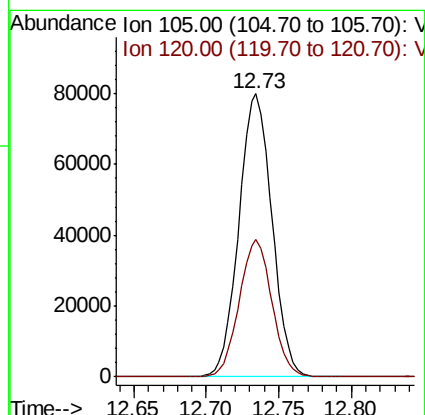
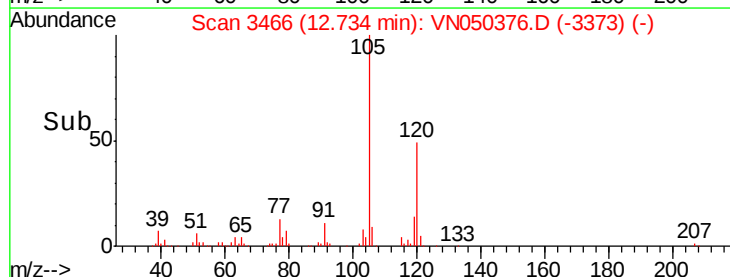
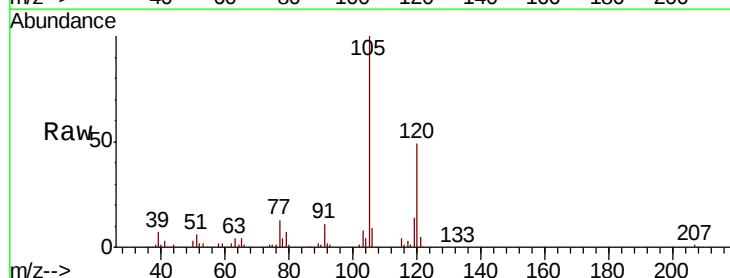
Acq: 6 Aug 2018 11:35

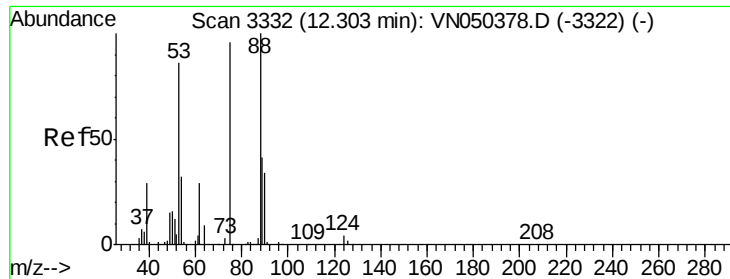
Tgt Ion:105 Resp: 126655

Ion Ratio Lower Upper

105 100

120 47.8 24.4 73.2

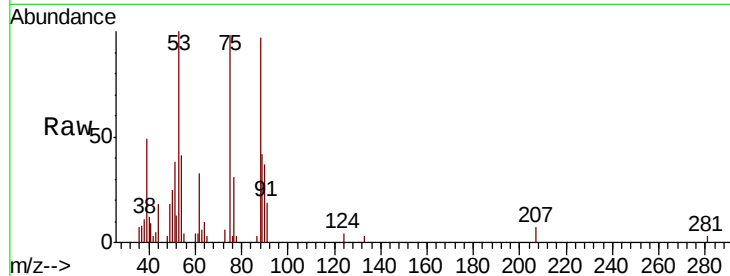




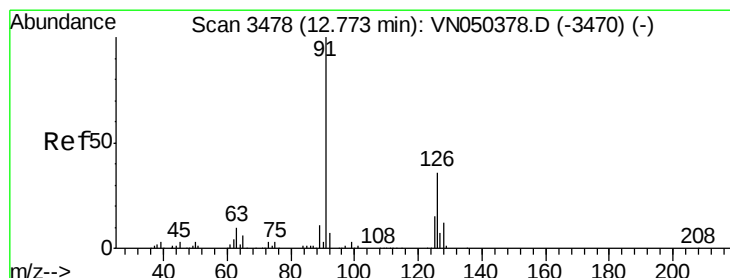
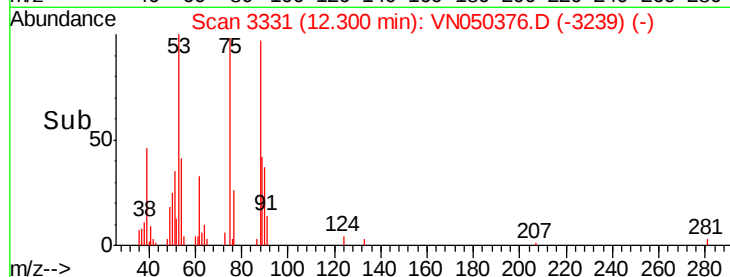
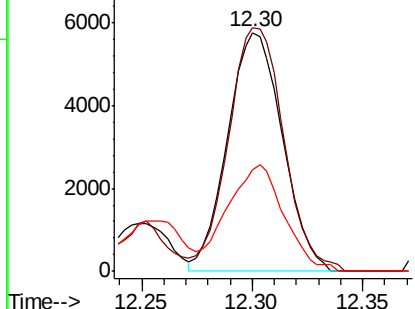
#81
trans-1,4-Dichloro-2-butene
Concen: 4.702 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 9963
Ion Ratio Lower Upper
75 100
53 102.8 73.5 110.3
89 46.4 36.0 54.0

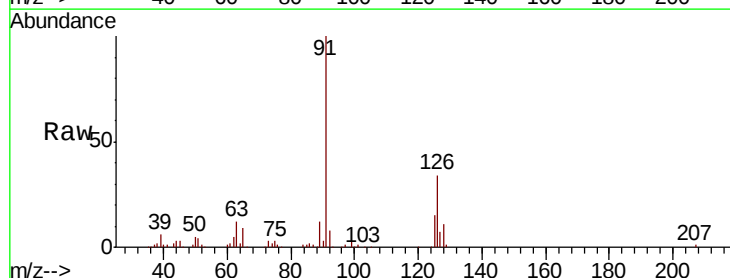


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

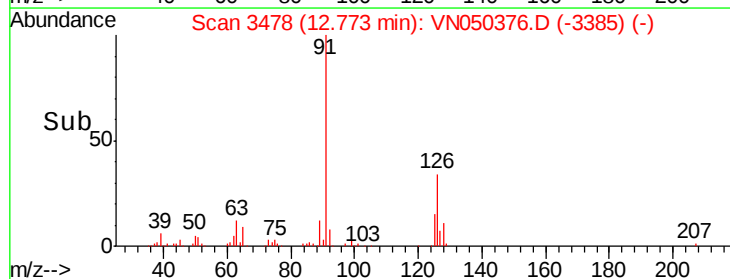
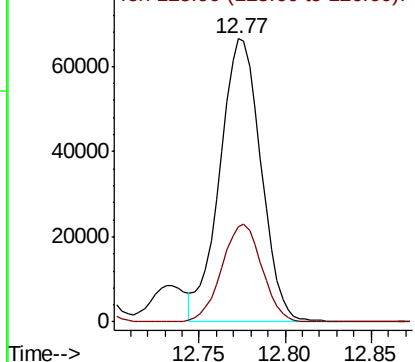


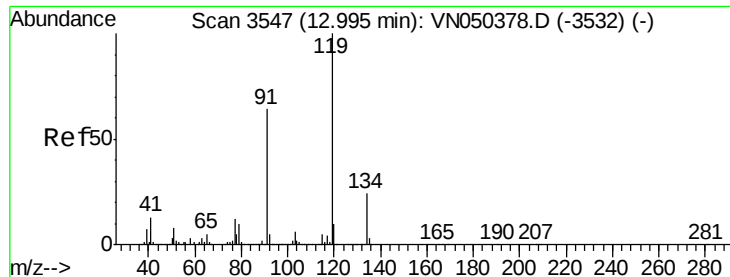
#82
4-Chlorotoluene
Concen: 5.108 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050376.D
Acq: 6 Aug 2018 11:35

Tgt Ion: 91 Resp: 109960
Ion Ratio Lower Upper
91 100
126 34.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 5.139 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

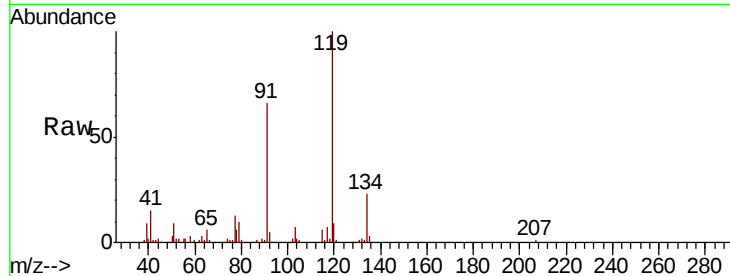
Tot Ion:119 Resp: 112355

Ion Ratio Lower Upper

119 100

91 63.3 32.1 96.3

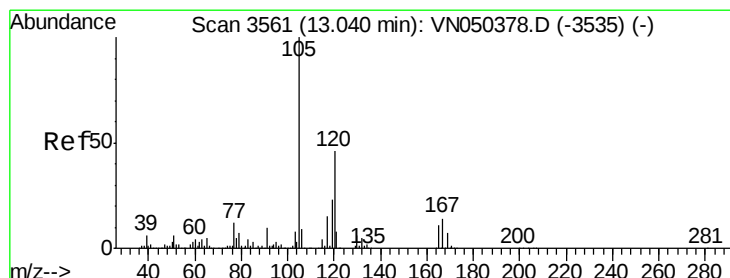
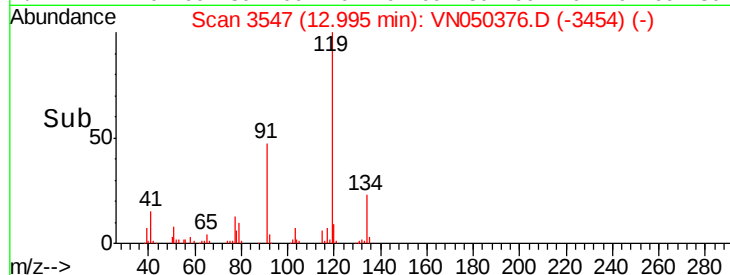
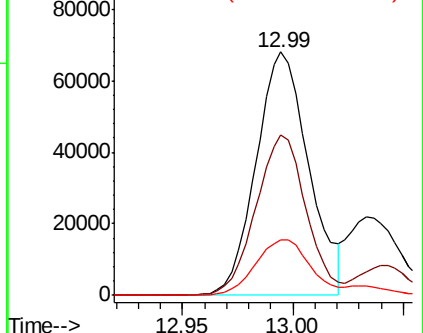
134 24.0 13.2 39.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.974 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN050376.D

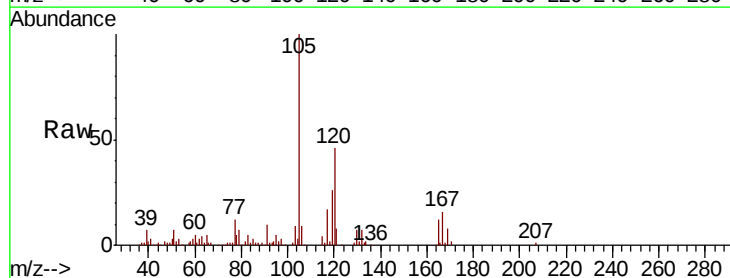
Acq: 6 Aug 2018 11:35

Tgt Ion:105 Resp: 126300

Ion Ratio Lower Upper

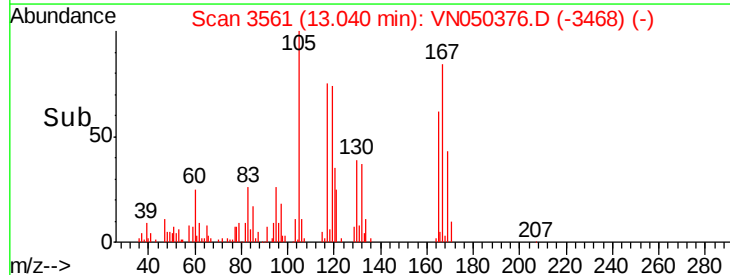
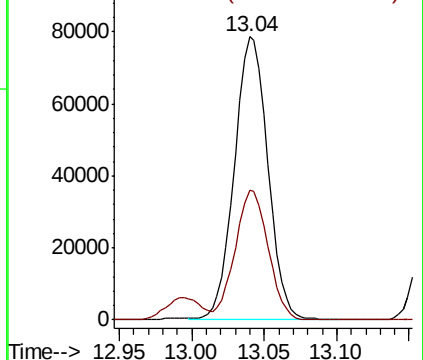
105 100

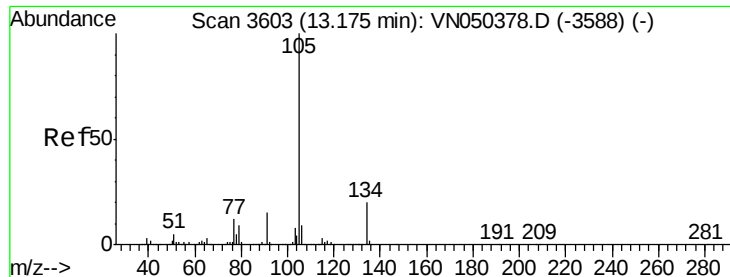
120 45.2 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.969 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

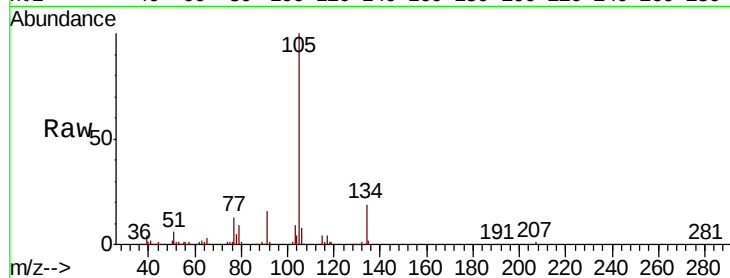
VSTDIC005

Tot Ion:105 Resp: 144803

Ion Ratio Lower Upper

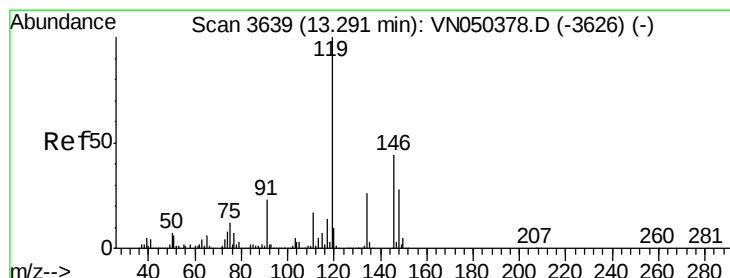
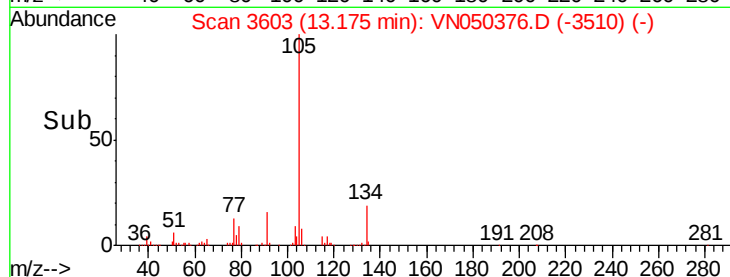
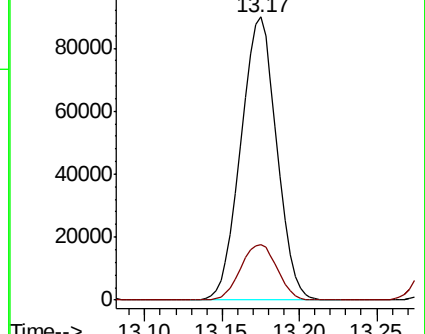
105 100

134 20.0 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.860 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

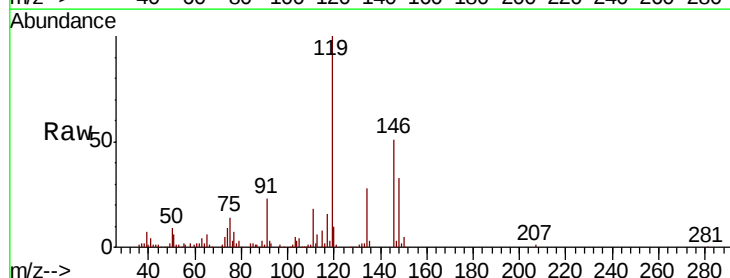
Tgt Ion:119 Resp: 121386

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

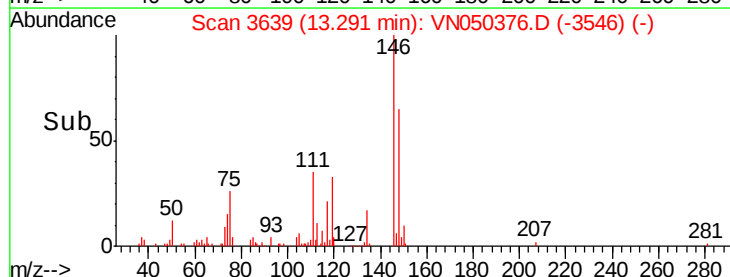
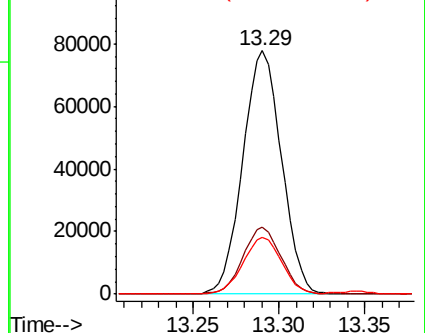
91 23.3 11.4 34.2

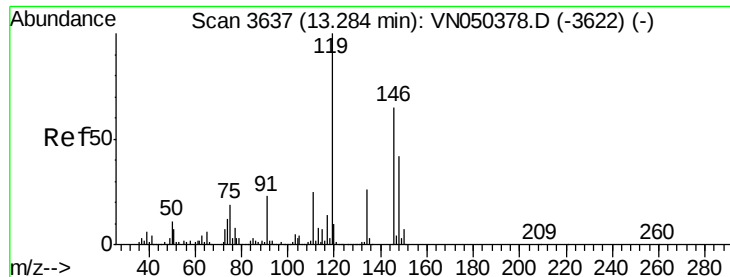


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

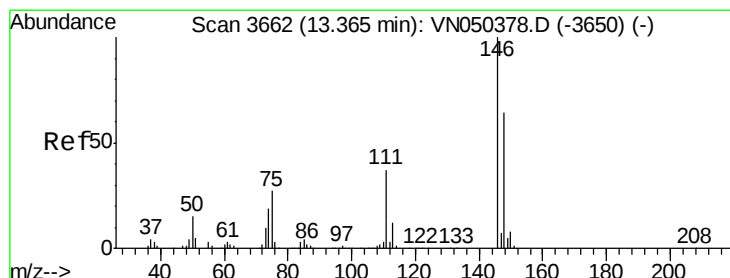
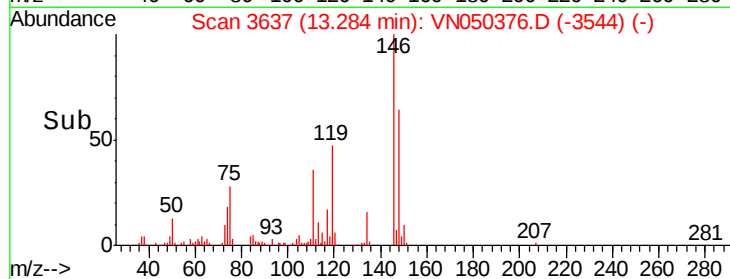
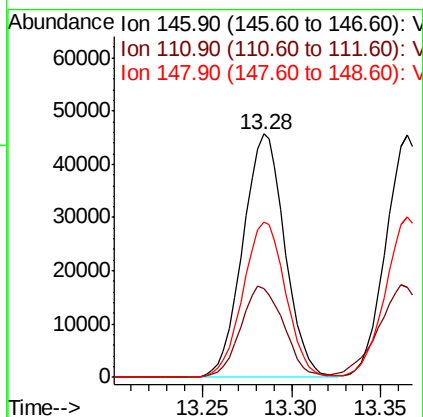
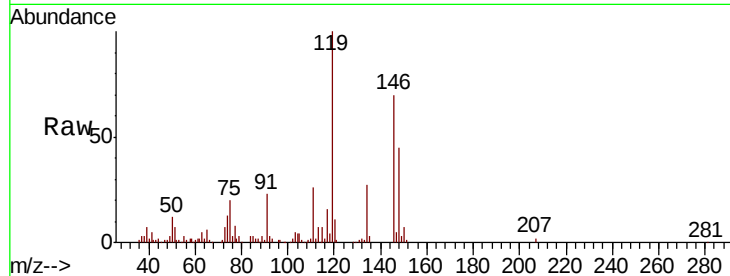




#87
 1,3-Dichlorobenzene
 Concen: 5.106 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

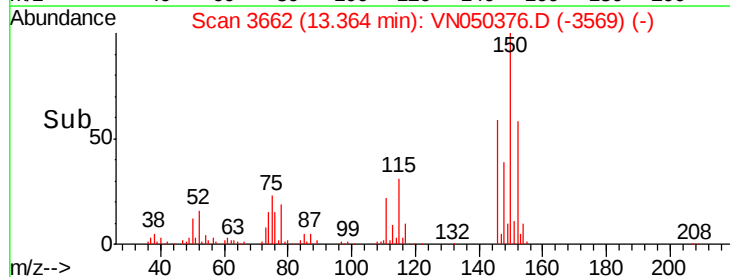
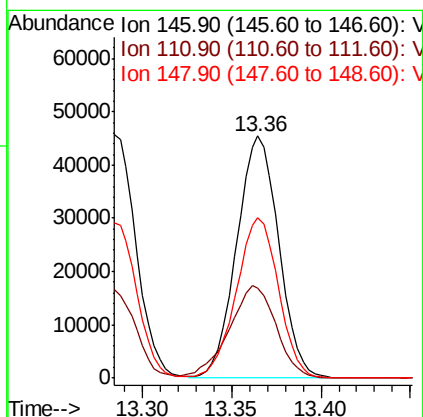
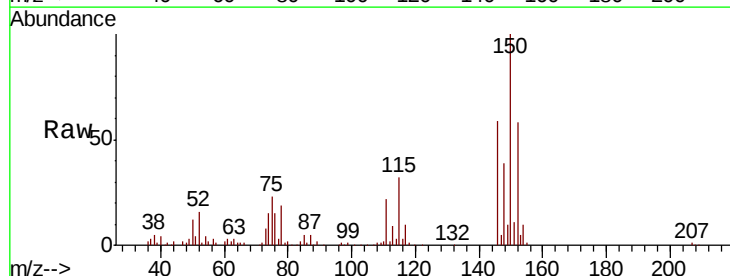
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

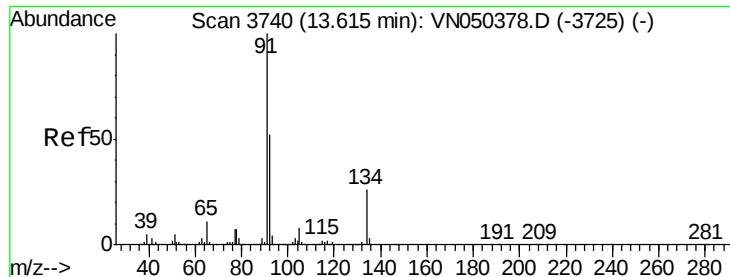
Tot Ion:146 Resp: 75230
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.8 56.4
 148 64.9 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 5.074 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

Tgt Ion:146 Resp: 74650
 Ion Ratio Lower Upper
 146 100
 111 42.8 18.3 54.9
 148 66.7 31.9 95.9





#89

n-Butylbenzene

Concen: 4.494 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

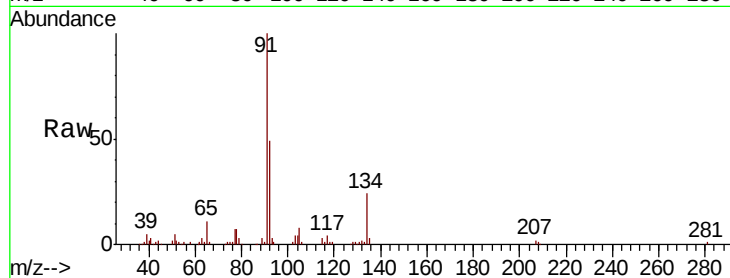
Tot Ion: 91 Resp: 95547

Ion Ratio Lower Upper

91 100

92 50.5 25.8 77.4

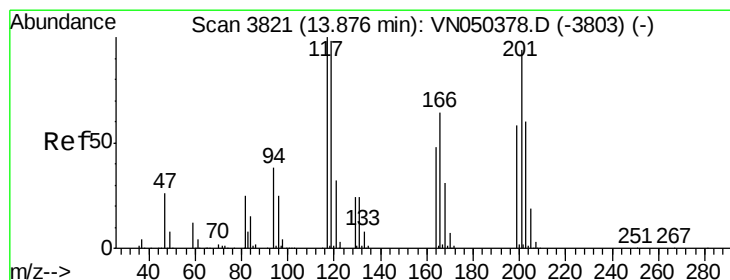
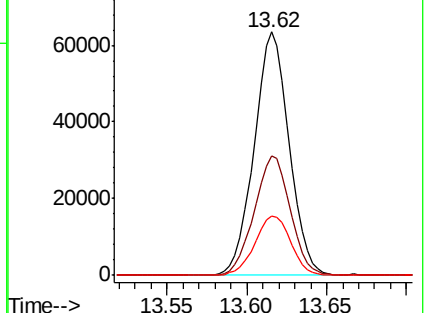
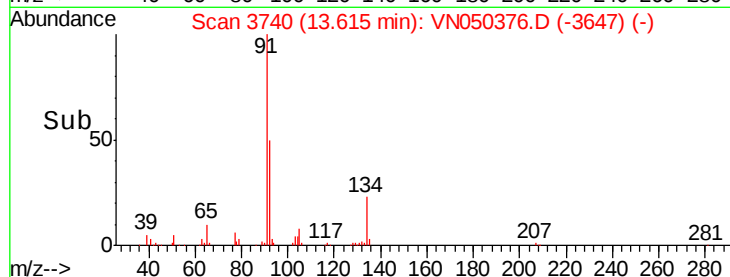
134 25.1 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN050378.D (-3725) (-)

Ion 92.00 (91.70 to 92.70): VN050378.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN050378.D (-3725) (-)



#90

Hexachloroethane

Concen: 5.044 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050376.D

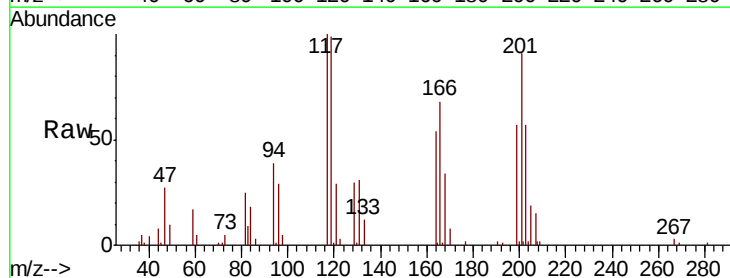
Acq: 6 Aug 2018 11:35

Tgt Ion: 117 Resp: 22401

Ion Ratio Lower Upper

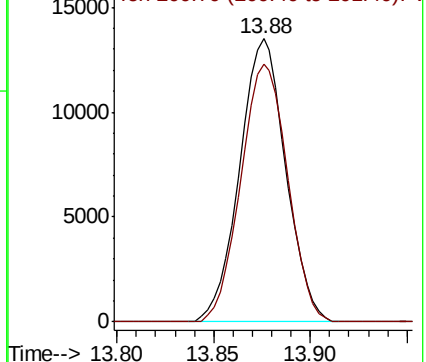
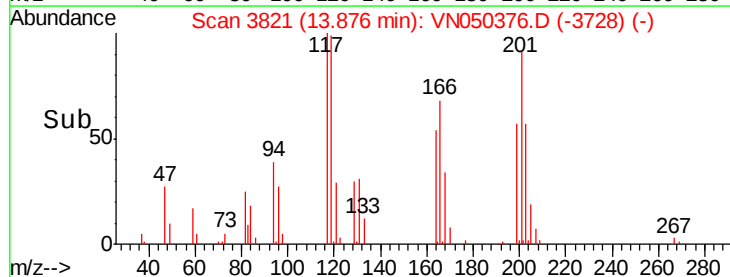
117 100

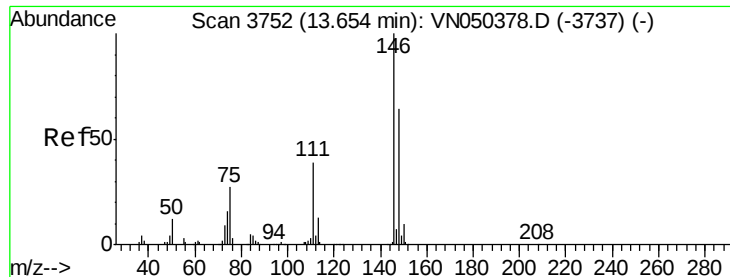
201 92.2 45.6 136.8



Abundance Ion 116.80 (116.50 to 117.50): VN050378.D (-3803) (-)

Ion 200.70 (200.40 to 201.40): VN050378.D (-3803) (-)

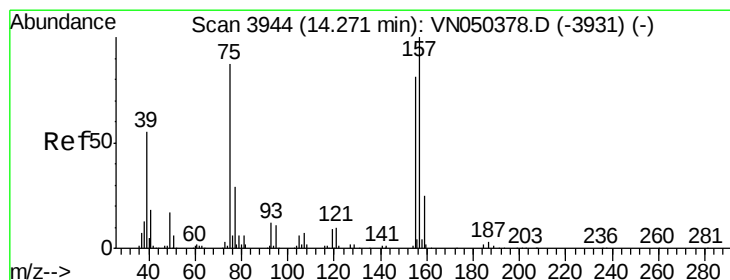
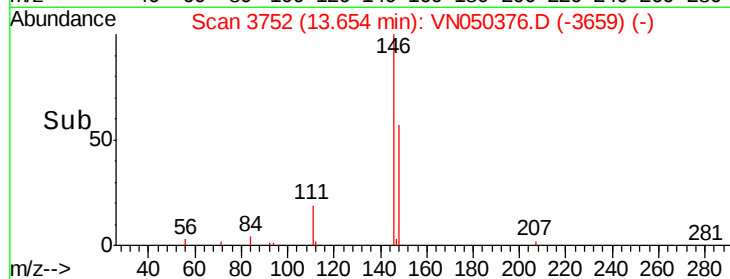
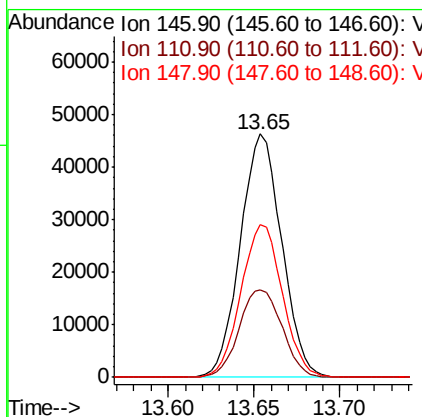
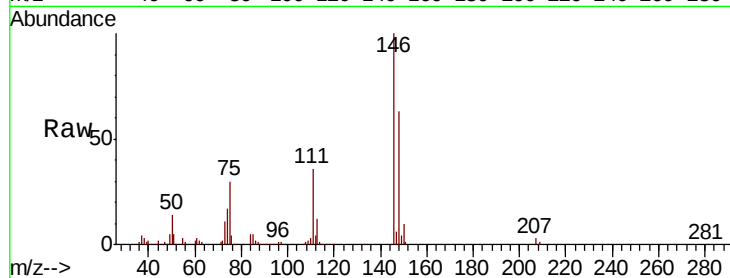




#91
 1,2-Dichlorobenzene
 Concen: 5.230 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

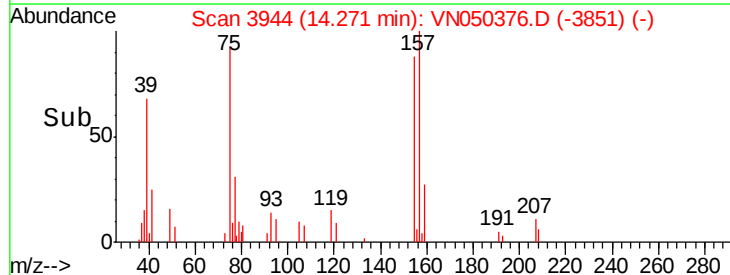
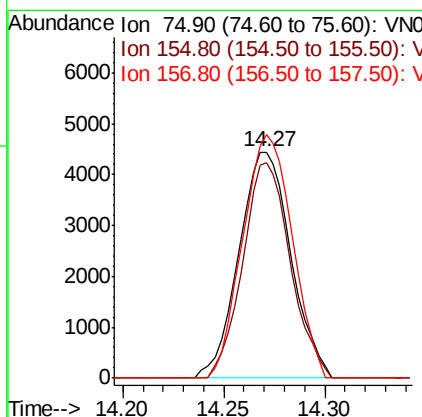
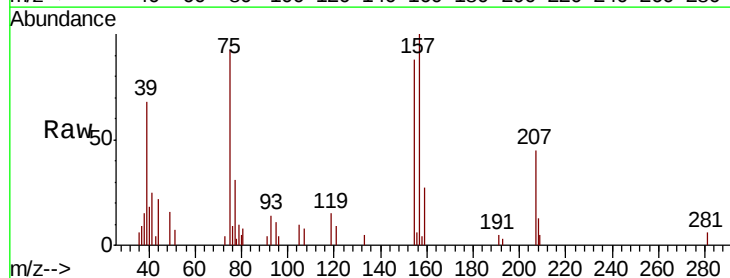
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.6	58.7
148	62.9	32.1	96.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.290 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	44.8	134.4
157	102.6	57.2	171.6

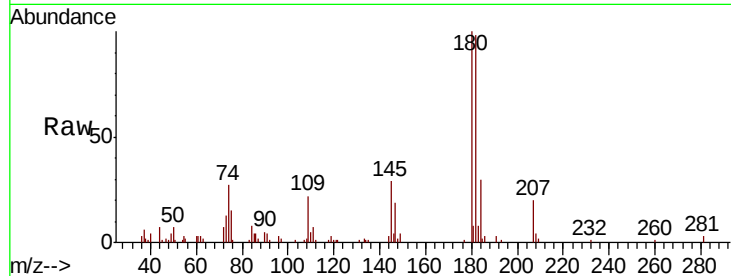




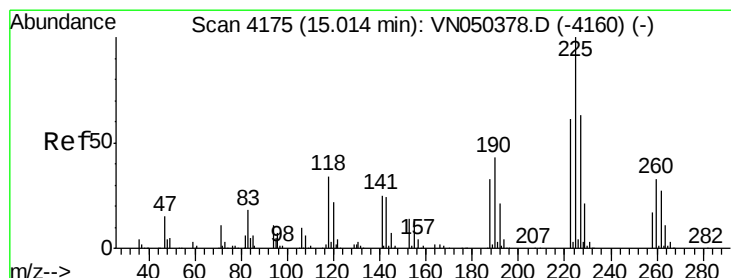
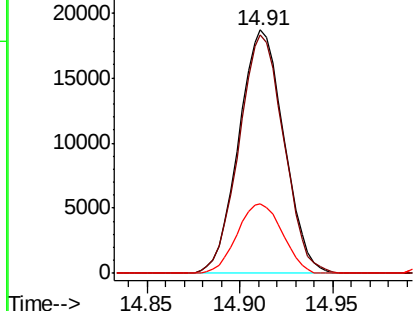
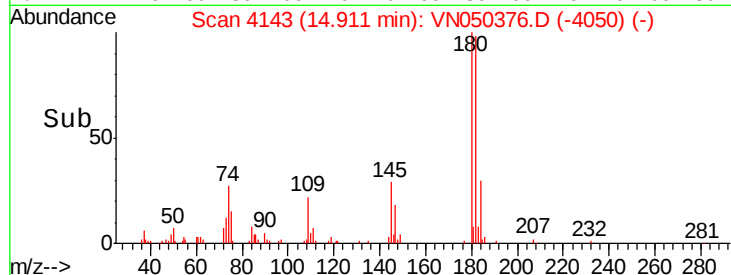
#93
 1,2,4-Trichlorobenzene
 Concen: 4.198 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 31581
 Ion Ratio Lower Upper
 180 100
 182 97.0 46.7 140.1
 145 28.7 13.8 41.4

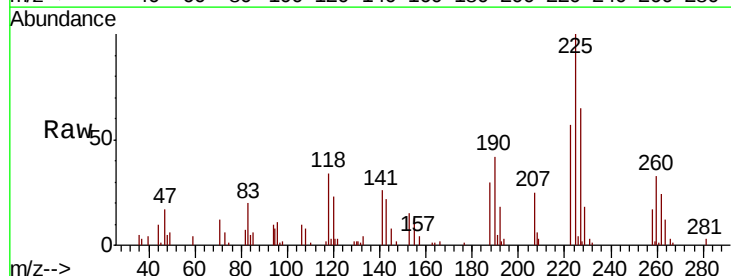


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

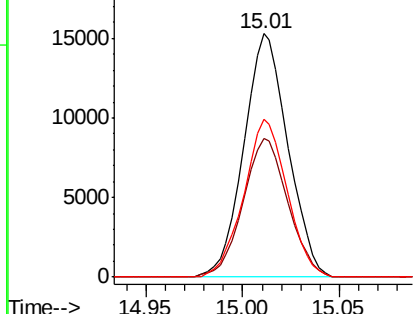
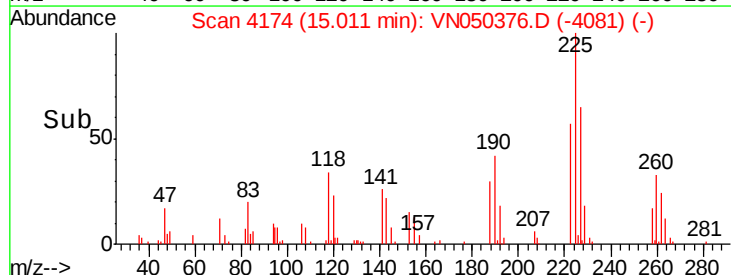


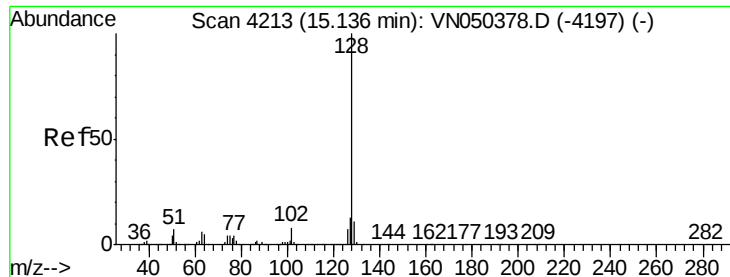
#94
 Hexachlorobutadiene
 Concen: 4.387 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050376.D
 Acq: 6 Aug 2018 11:35

Tgt Ion:225 Resp: 24189
 Ion Ratio Lower Upper
 225 100
 223 57.9 31.4 94.2
 227 63.7 32.1 96.5



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





#95

Naphthalene

Concen: 6.710 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

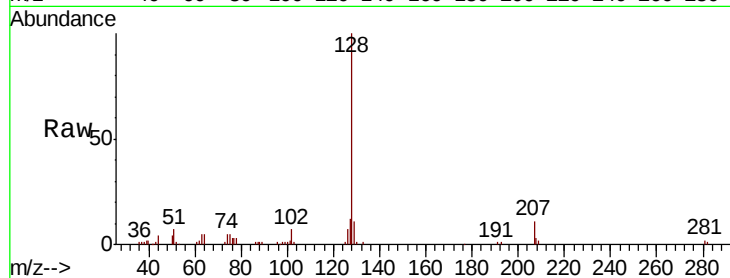
Tot Ion:128 Resp: 66334

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

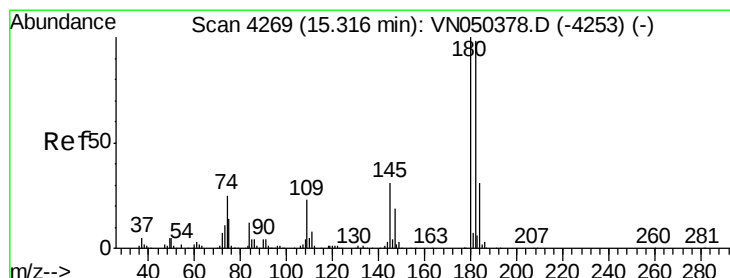
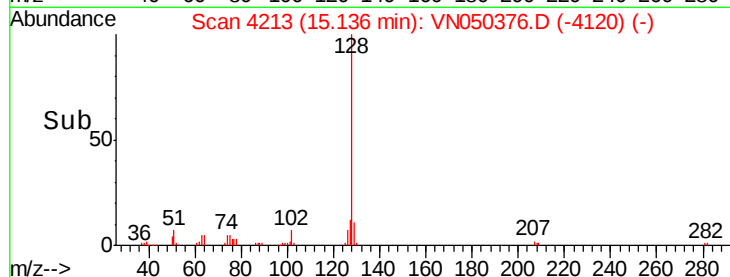
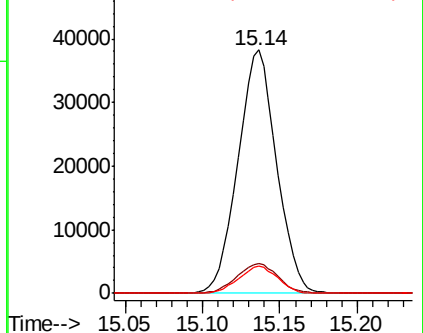
129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 4.505 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050376.D

Acq: 6 Aug 2018 11:35

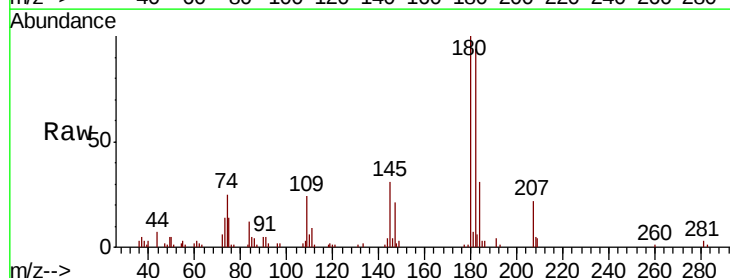
Tgt Ion:180 Resp: 34263

Ion Ratio Lower Upper

180 100

182 92.6 48.1 144.4

145 29.1 15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

