

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051041.D
 Acq On : 7 Sep 2018 8:35
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Sep 07 14:12:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	135812	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	715608	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	645676	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	255739	29.51	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.37%
60) 4-Bromofluorobenzene	12.40	95	291943	30.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.37%
63) Toluene-d8	10.09	98	912885	30.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	143005	16.955	ug/l 100
3) Chloromethane	2.06	50	164219	16.489	ug/l 98
4) Vinyl Chloride	2.18	62	166649	16.935	ug/l 99
5) Bromomethane	2.56	94	118339	19.729	ug/l 98
6) Chloroethane	2.70	64	101522	17.491	ug/l 98
7) Trichlorofluoromethane	3.01	101	232512	17.823	ug/l 98
8) Diethyl Ether	3.41	74	80420	17.485	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	150553	18.636	ug/l 99
10) 1,1-Dichloroethene	3.73	96	125458	17.096	ug/l 96
11) Methyl Iodide	3.95	142	76002	11.100	ug/l 96
12) Methyl Acetate	4.33	43	188878	22.258	ug/l 98
13) Acrolein	3.61	56	36188	192.589	ug/l 95
14) Acrylonitrile	4.99	53	255533	89.064	ug/l 98
15) Acetone	3.82	58	72318	98.502	ug/l 94
16) Carbon Disulfide	4.05	76	352312	15.967	ug/l 98
17) Allyl chloride	4.32	41	194339	16.831	ug/l 97
18) Methylene Chloride	4.55	84	151091	17.541	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	135211	17.293	ug/l 98
20) Diisopropyl ether	5.95	45	431556	18.005	ug/l 99
21) 1,1-Dichloroethane	5.85	63	261055	17.764	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	152276	17.241	ug/l 97
23) tert-Butyl Alcohol	4.79	59	54016	88.527	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	355544	17.714	ug/l 100
25) Chloroform	7.37	83	265938	18.131	ug/l 99
26) Cyclohexane	7.65	56	199836	16.413	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	191661	17.890	ug/l 98
30) 2-Butanone	6.84	43	302800	91.875	ug/l 98
31) 2,2-Dichloropropane	6.82	77	207185	19.875	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	224096	18.446	ug/l 99
33) Carbon Tetrachloride	7.77	117	200747	18.349	ug/l 95
34) Benzene	8.04	78	597424	18.026	ug/l 98
35) Methacrylonitrile	7.21	41	184783	51.175	ug/l # 50
36) 1,2-Dichloroethane	8.13	62	185435	18.500	ug/l 100
37) Trichloroethene	8.84	130	155074	17.902	ug/l 97
38) Methylcyclohexane	9.08	83	196509	17.078	ug/l 99
39) 1,2-Dichloropropane	9.12	63	161984	18.714	ug/l 99
40) Dibromomethane	9.21	93	98536	18.898	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	201508	18.333	ug/l	98
42) Vinyl Acetate	5.90	43	1256483	82.769	ug/l	99
43) Ethyl Acetate	6.93	43	119187	17.653	ug/l	95
44) Isopropyl Acetate	8.17	43	215175	18.061	ug/l	97
45) 1,4-Dioxane	9.20	88	31347	354.204	ug/l	94
46) Methyl methacrylate	9.20	41	103695	17.379	ug/l	98
47) n-amyl Acetate	12.07	43	169778	17.725	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	192670	17.882	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	225390	18.211	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	142133	18.761	ug/l	99
51) Ethyl methacrylate	10.43	69	161342	17.406	ug/l	97
52) 1,3-Dichloropropane	10.71	76	232766	18.548	ug/l	100
53) Dibromochloromethane	10.90	129	161335	18.728	ug/l	98
54) 1,2-Dibromoethane	11.01	107	137300	18.328	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	303384	78.660	ug/l	100
56) Bromoform	12.13	173	114145	18.630	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	648128	87.732	ug/l	100
59) 2-Hexanone	10.75	43	427543	88.540	ug/l	99
61) Tetrachloroethene	10.63	164	146490	18.207	ug/l	97
62) Toluene	10.16	91	652799	18.122	ug/l	100
64) Chlorobenzene	11.43	112	406869	18.225	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	156716	18.592	ug/l	100
66) Ethyl Benzene	11.51	91	652204	17.480	ug/l	99
67) m/p-Xylenes	11.62	106	528002	36.779	ug/l	99
68) o-Xylene	11.95	106	250416	18.255	ug/l	98
69) Styrene	11.96	104	395179	18.119	ug/l	99
70) Isopropylbenzene	12.25	105	666529	18.286	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	187719	19.021	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	212125	24.914	ug/l	98
73) Bromobenzene	12.53	156	175426	18.292	ug/l	100
74) n-propylbenzene	12.59	91	758945	18.416	ug/l	99
75) 2-Chlorotoluene	12.67	91	464405	18.550	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	561147	18.838	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	41817	17.239	ug/l	95
78) 4-Chlorotoluene	12.77	91	456930	18.536	ug/l	99
79) tert-butylbenzene	12.99	119	475018	18.362	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	566815	19.086	ug/l	99
81) sec-Butylbenzene	13.17	105	641941	18.966	ug/l	100
82) p-Isopropyltoluene	13.29	119	547947	18.755	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	305006	18.811	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	287845	18.736	ug/l	99
85) n-Butylbenzene	13.62	91	405505	18.190	ug/l	99
86) Hexachloroethane	13.87	117	103033	18.373	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	302531	18.956	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25598	18.540	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	118979	16.746	ug/l	99
90) Hexachlorobutadiene	15.01	225	104452	21.638	ug/l	98
91) Naphthalene	15.13	128	215979	18.302	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	120096	16.845	ug/l	99

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QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration

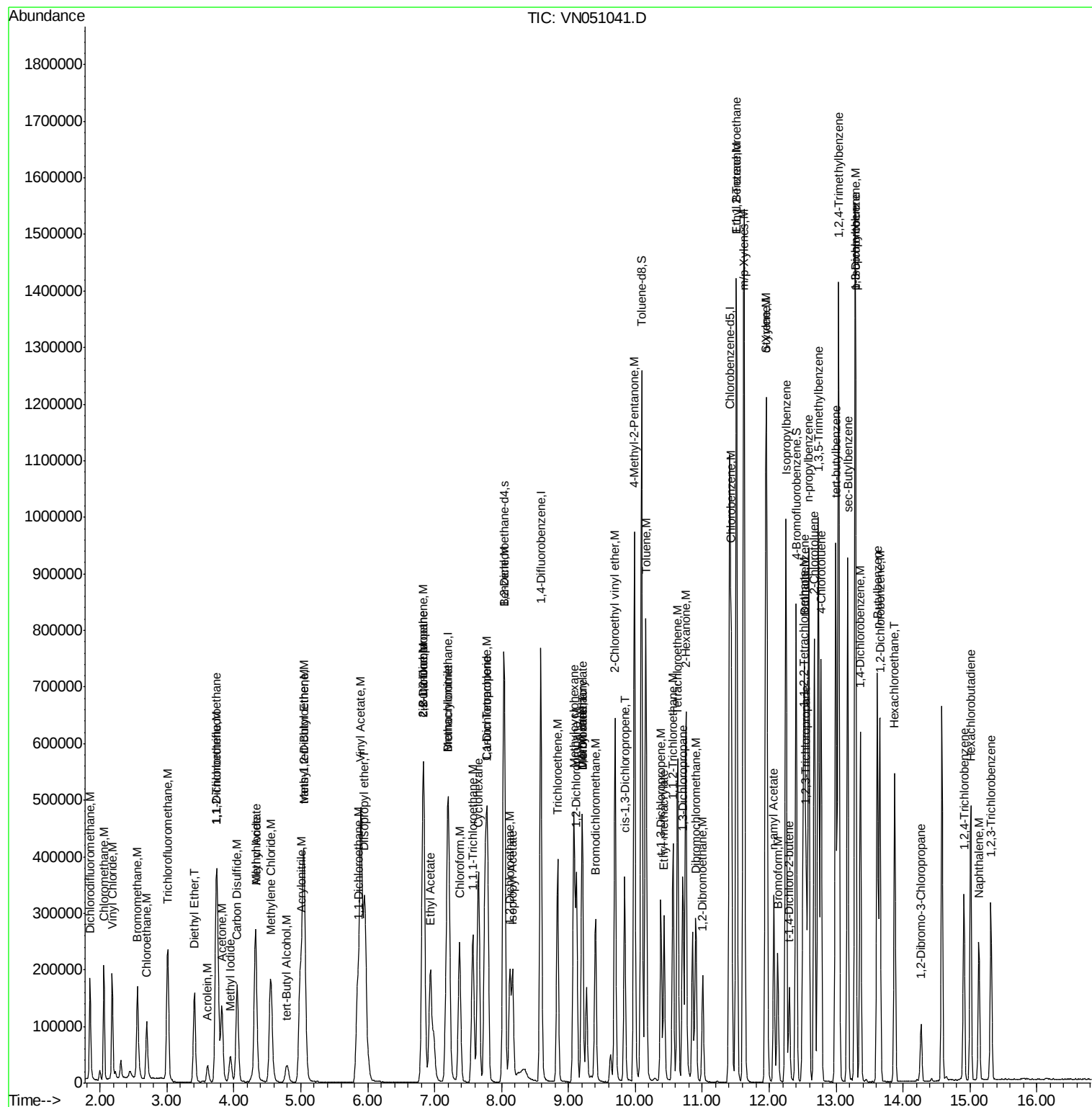
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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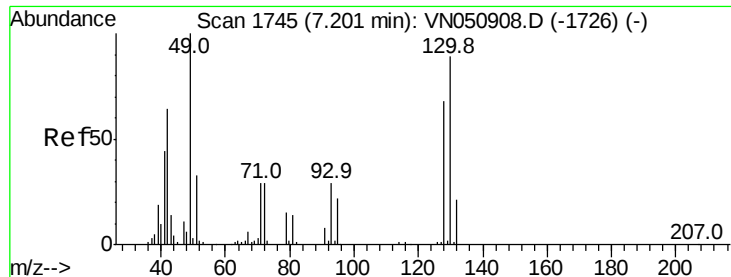
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 07 14:12:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

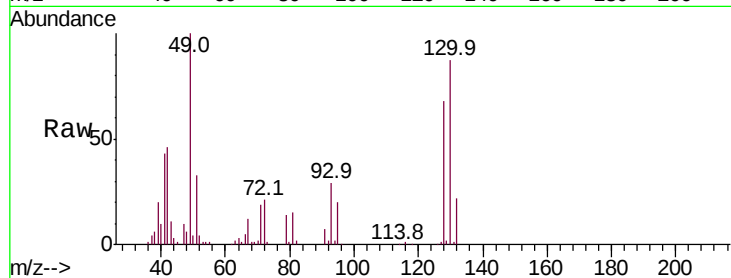
Tot Ion:128 Resp: 135812

Ion Ratio Lower Upper

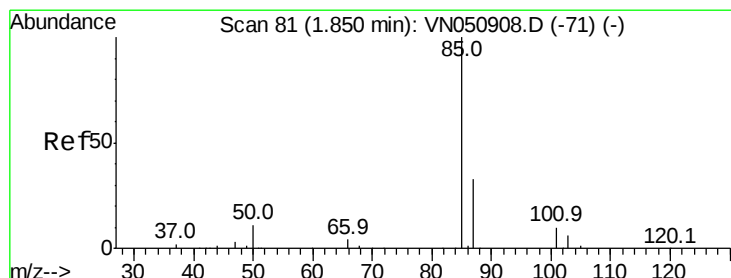
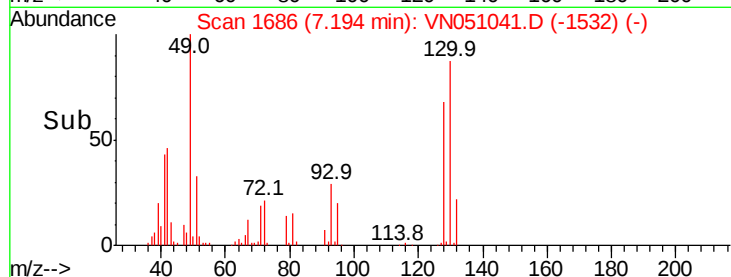
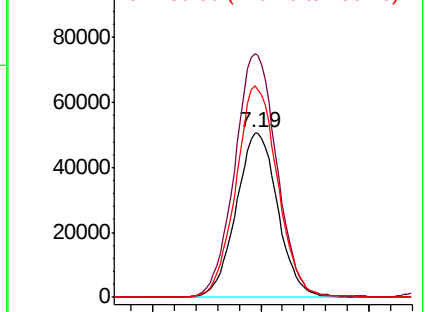
128 100

49 150.5 0.0 380.3

130 129.7 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 16.955 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051041.D

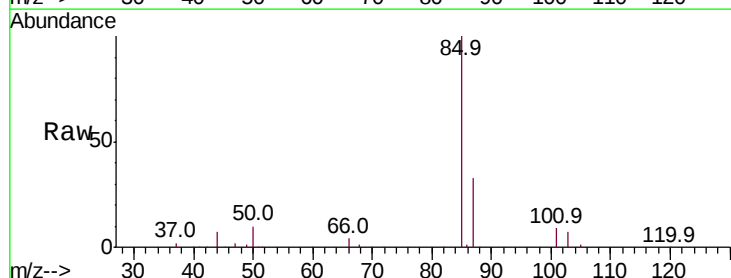
Acq: 7 Sep 2018 8:35

Tgt Ion: 85 Resp: 143005

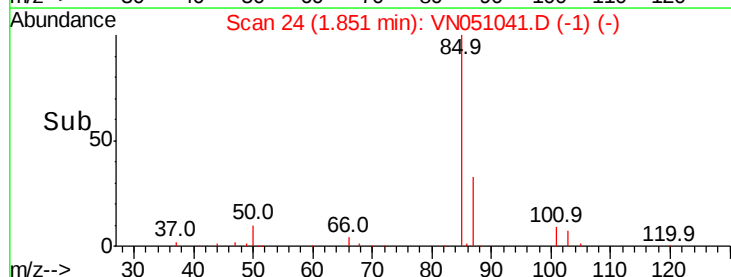
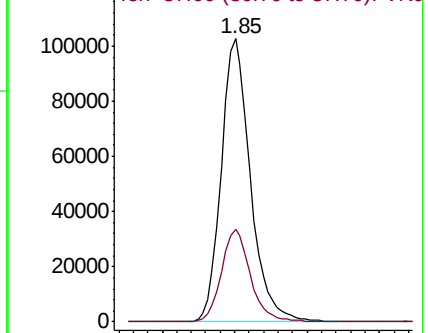
Ion Ratio Lower Upper

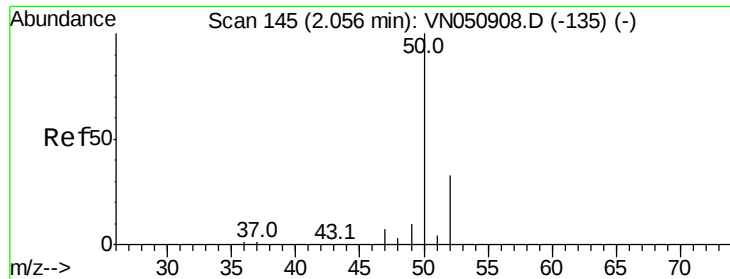
85 100

87 32.6 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 16.489 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

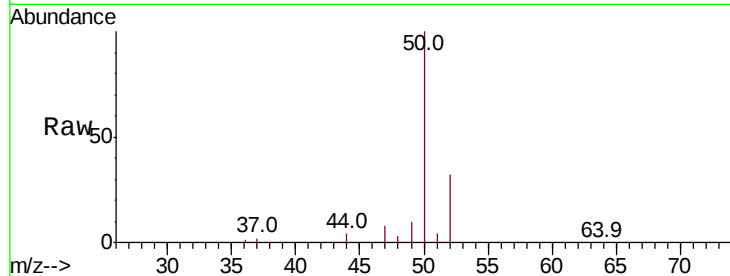
VSTDCCC020

Tot Ion: 50 Resp: 164219

Ion Ratio Lower Upper

50 100

52 31.9 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VNC

Ion 52.00 (51.70 to 52.70): VNC

2.06

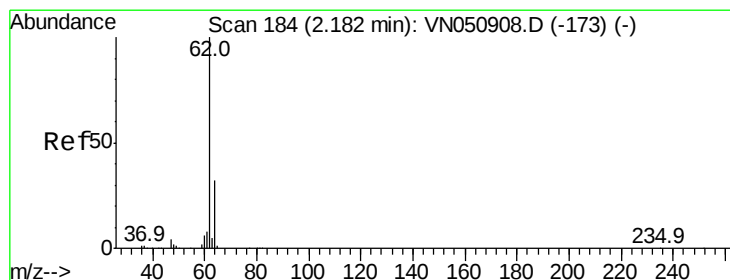
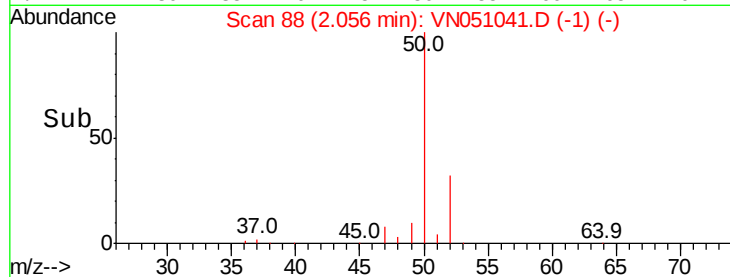
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 16.935 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051041.D

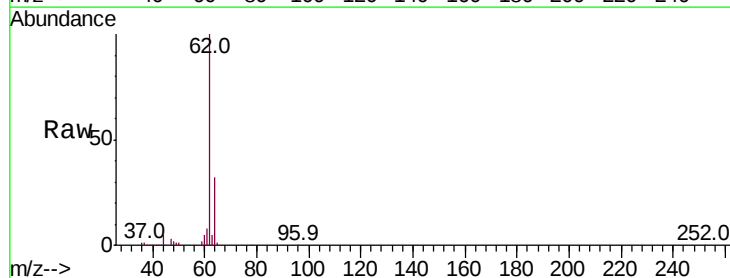
Acq: 7 Sep 2018 8:35

Tgt Ion: 62 Resp: 166649

Ion Ratio Lower Upper

62 100

64 32.2 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VNC

Ion 64.00 (63.70 to 64.70): VNC

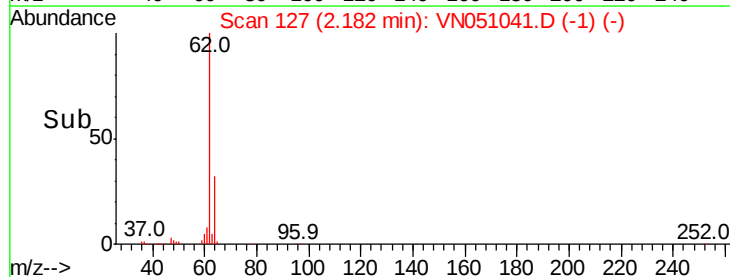
2.18

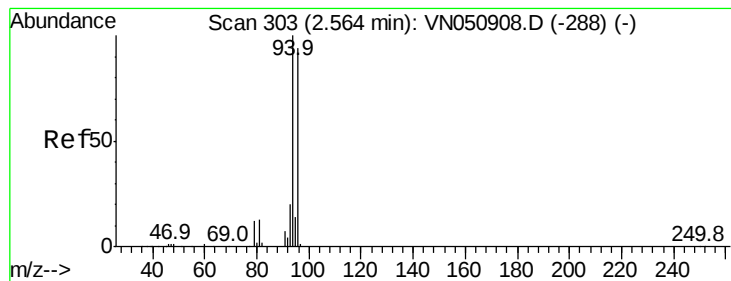
100000

50000

0

Time-->





#5

Bromomethane

Concen: 19.729 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

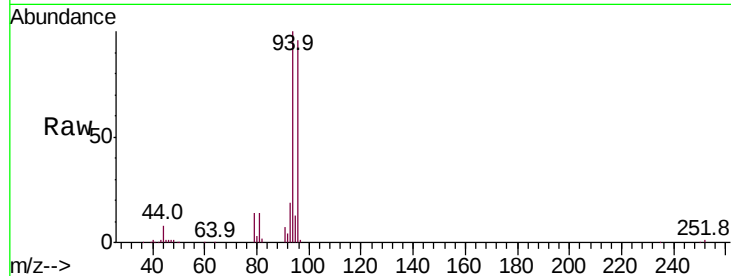
VSTDCCC020

Tot Ion: 94 Resp: 118339

Ion Ratio Lower Upper

94 100

96 95.6 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VN051041.D (-244) (-)

Ion 96.00 (95.70 to 96.70): VN051041.D (-244) (-)

2.56

60000

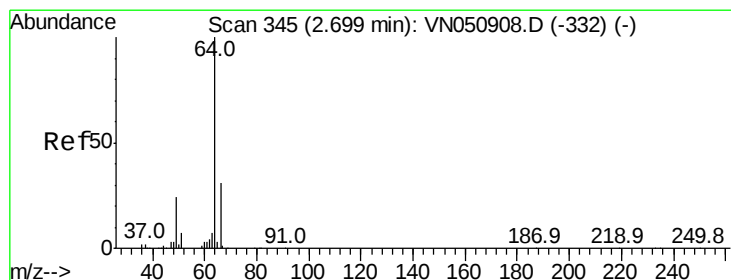
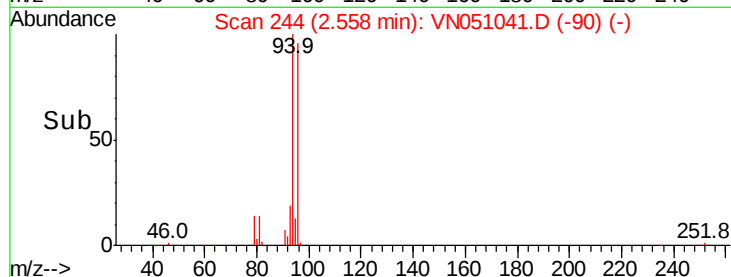
40000

20000

0

2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 17.491 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN051041.D

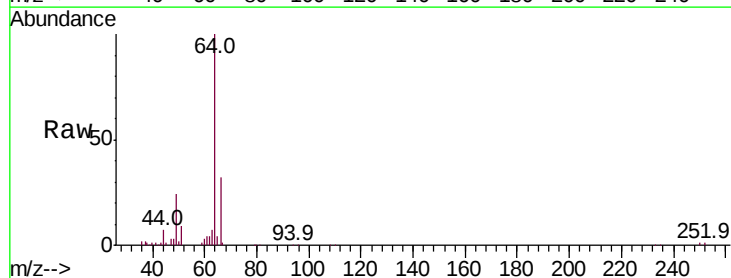
Acq: 7 Sep 2018 8:35

Tgt Ion: 64 Resp: 101522

Ion Ratio Lower Upper

64 100

66 31.8 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN051041.D (-287) (-)

Ion 66.00 (65.70 to 66.70): VN051041.D (-287) (-)

2.70

60000

50000

40000

30000

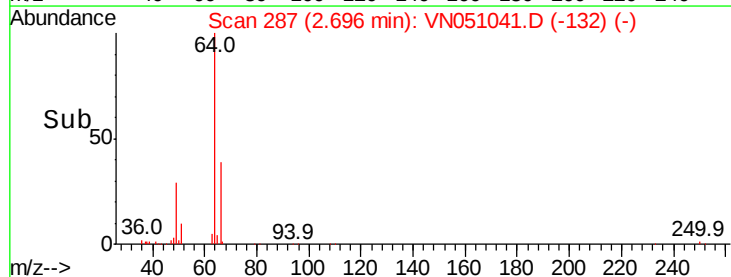
20000

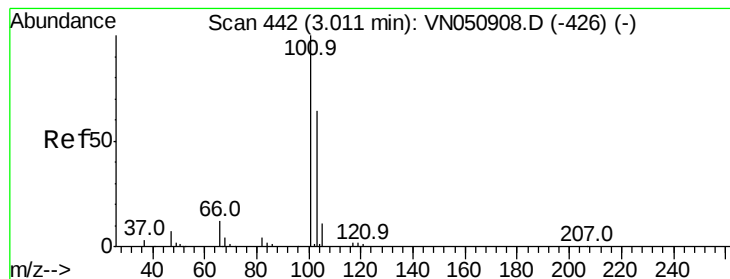
10000

0

2.60 2.70 2.80

Time-->



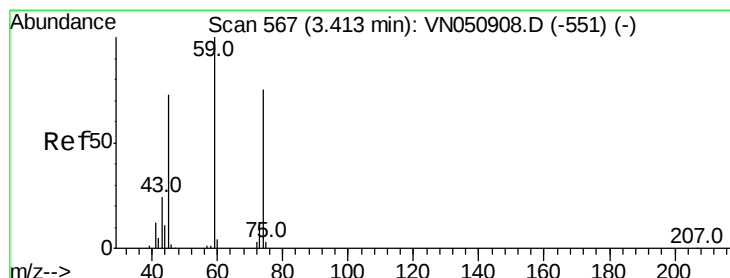
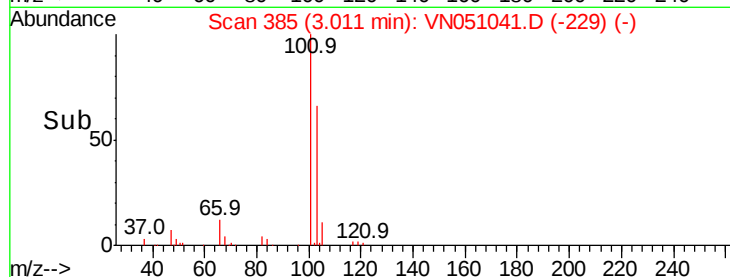
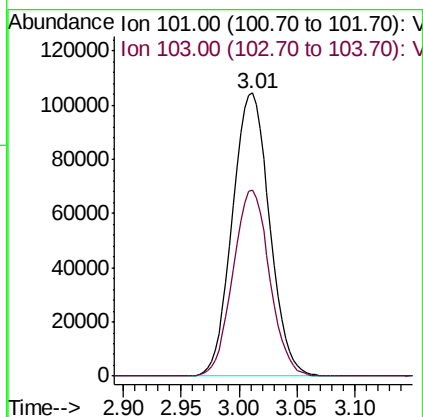
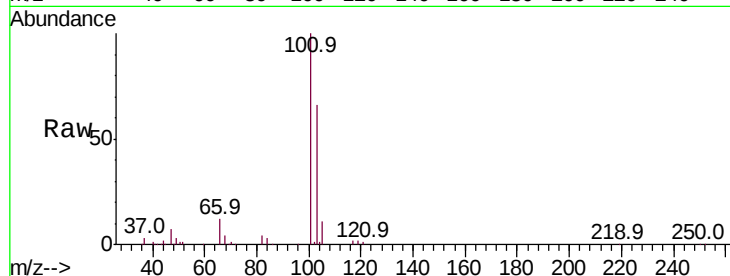


#7

Trichlorofluoromethane
 Concen: 17.823 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
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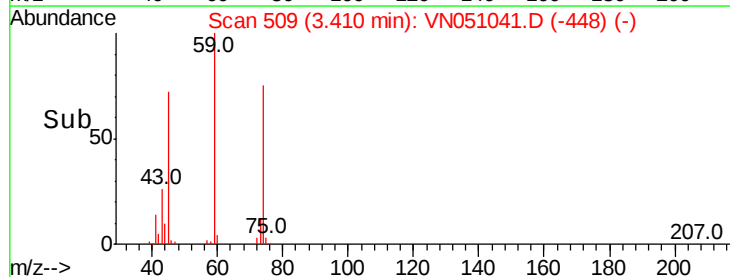
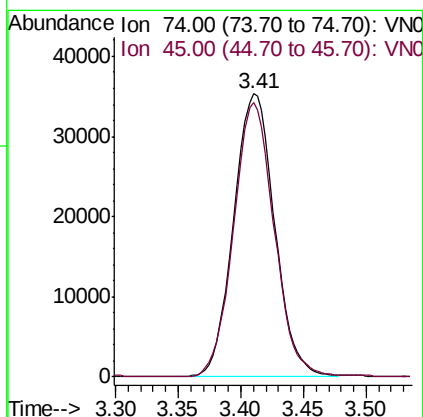
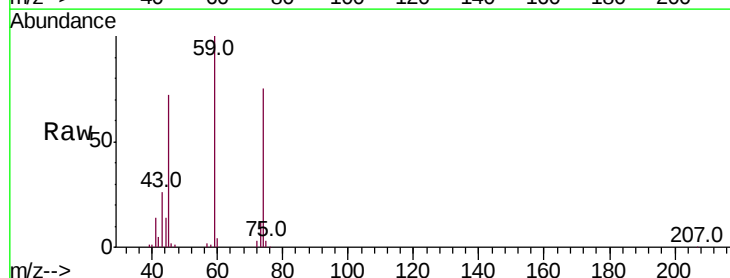
Tot Ion:101 Resp: 232512
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.3 76.9

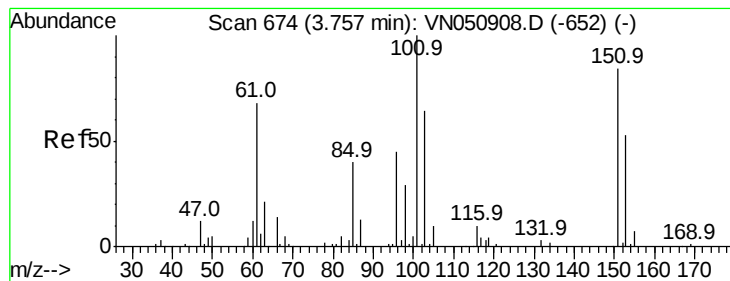


#8

Diethyl Ether
 Concen: 17.485 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion: 74 Resp: 80420
 Ion Ratio Lower Upper
 74 100
 45 95.9 19.7 177.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.636 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

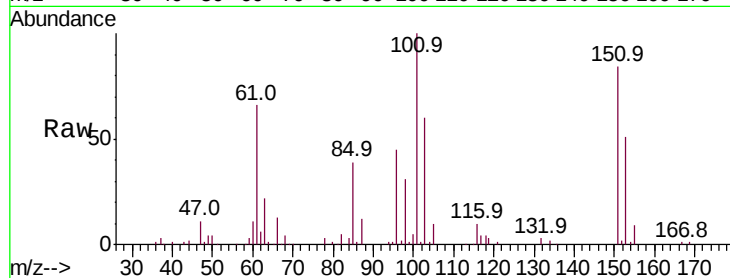
Tot Ion:101 Resp: 150553

Ion Ratio Lower Upper

101 100

85 40.9 0.0 83.6

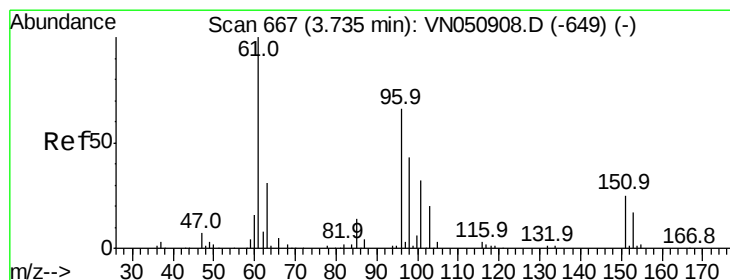
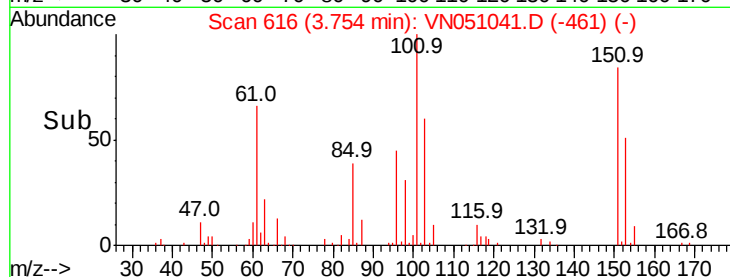
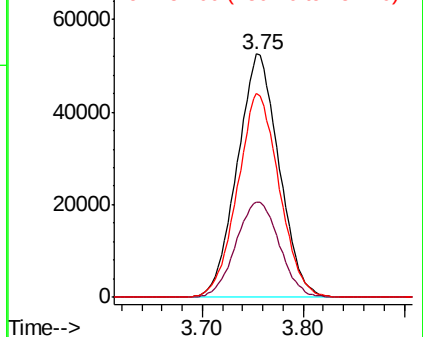
151 83.8 0.0 167.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 17.096 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

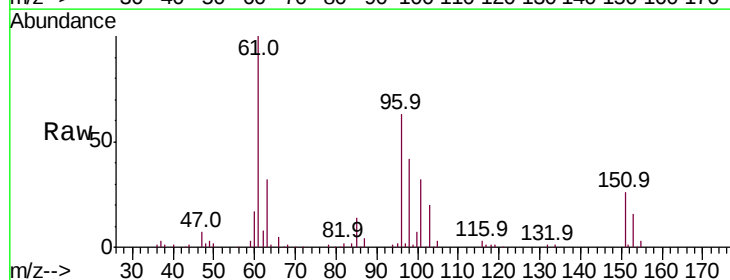
Tgt Ion: 96 Resp: 125458

Ion Ratio Lower Upper

96 100

61 158.7 121.8 182.8

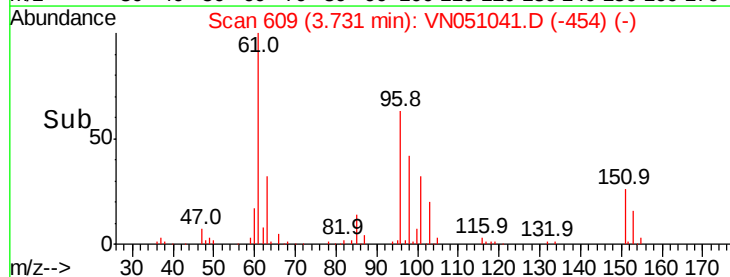
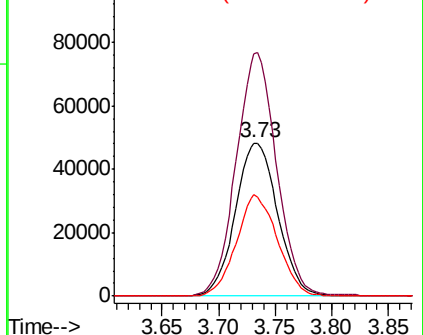
98 66.3 52.3 78.5

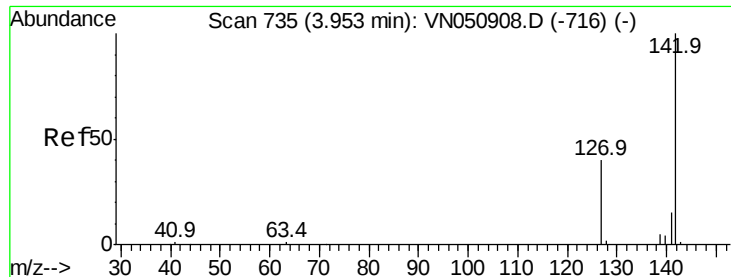


Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

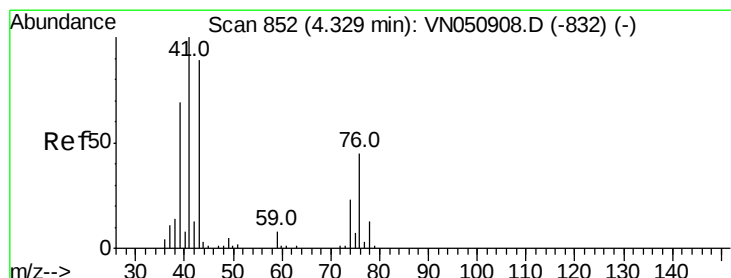
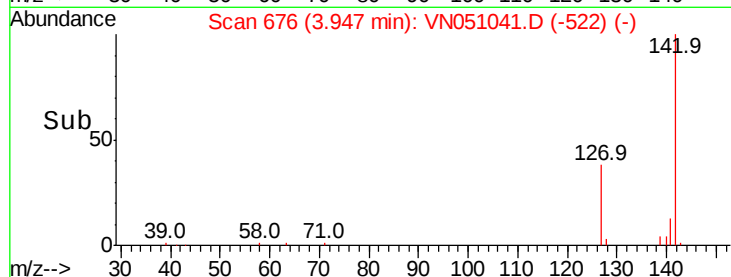
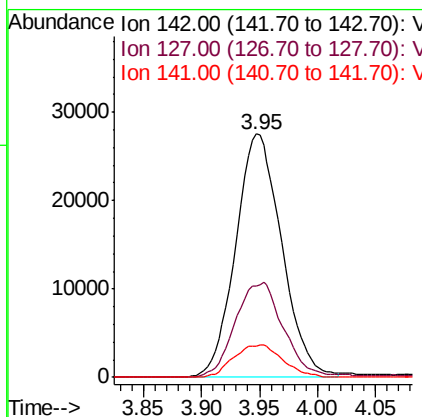
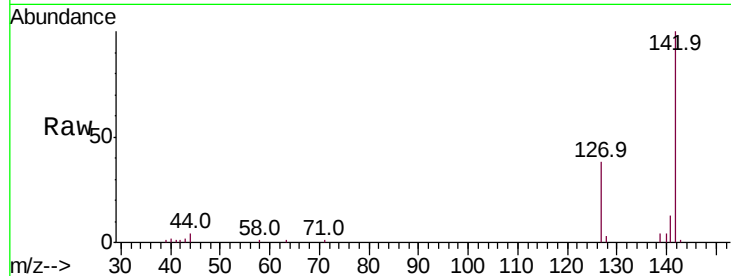




#11
Methvl Iodide
Concen: 11.100 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.01 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

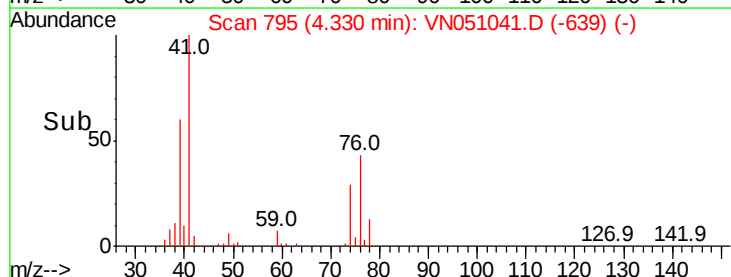
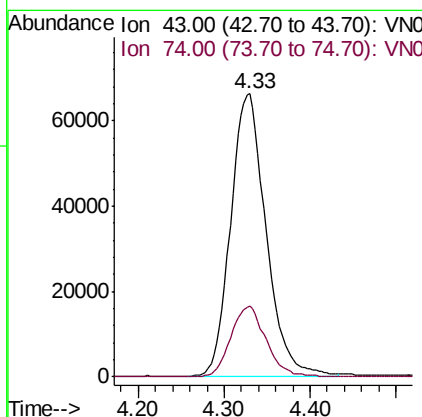
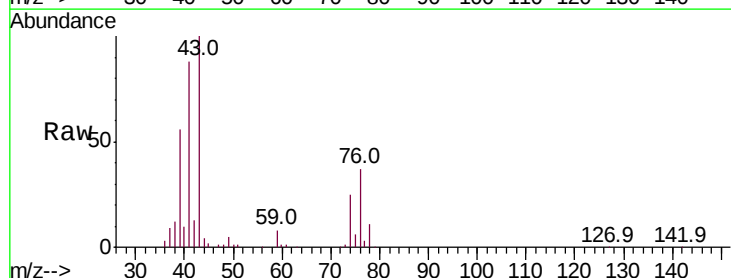
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

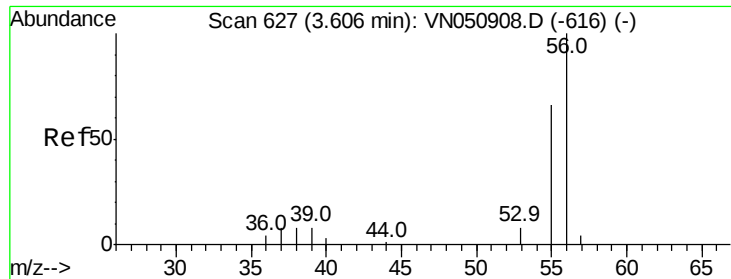
Tot Ion:142 Resp: 76002
Ion Ratio Lower Upper
142 100
127 37.3 19.7 59.1
141 12.9 7.3 22.0



#12
Methyl Acetate
Concen: 22.258 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion: 43 Resp: 188878
Ion Ratio Lower Upper
43 100
74 24.9 20.6 31.0





#13

Acrolein

Concen: 192.589 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

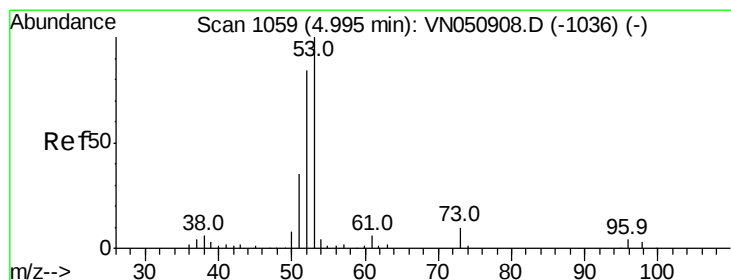
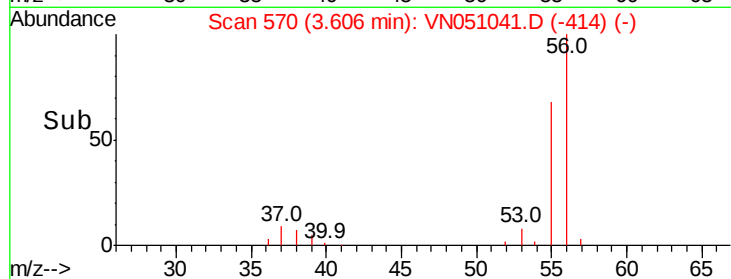
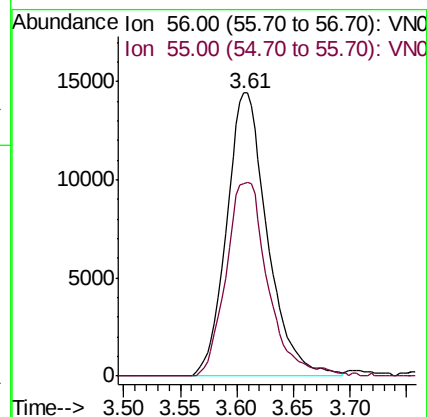
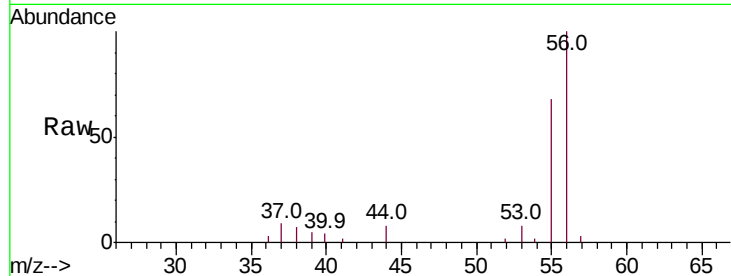
VSTDCCC020

Tot Ion: 56 Resp: 36188

Ion Ratio Lower Upper

56 100

55 69.3 59.1 88.7



#14

Acrylonitrile

Concen: 89.064 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

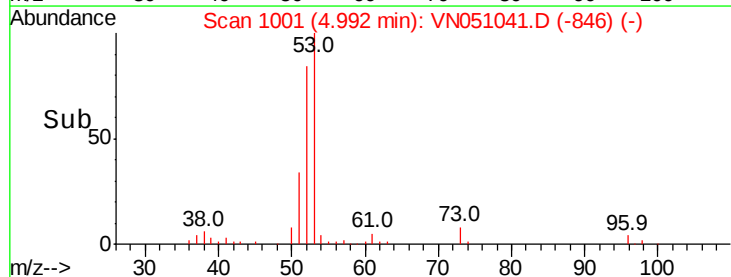
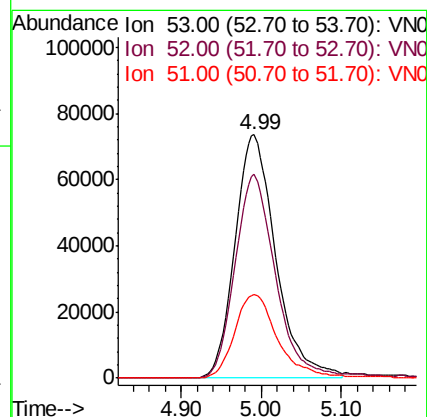
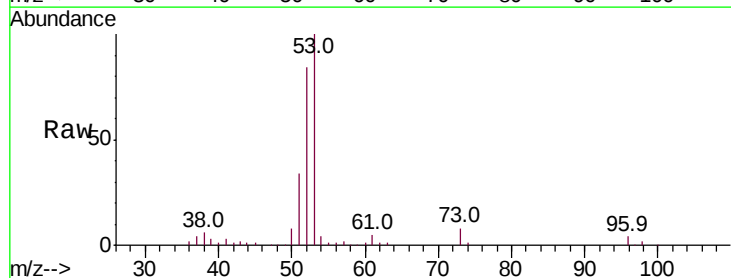
Tgt Ion: 53 Resp: 255533

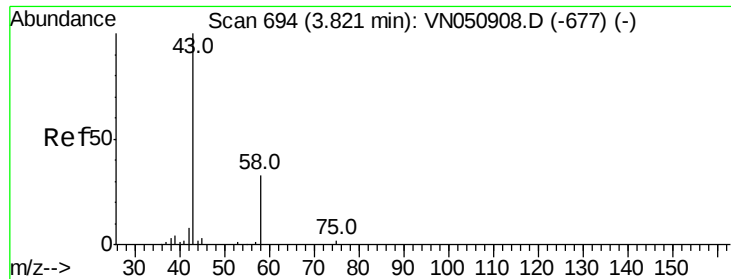
Ion Ratio Lower Upper

53 100

52 82.2 42.2 126.6

51 36.1 17.7 53.1





#15

Acetone

Concen: 98.502 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

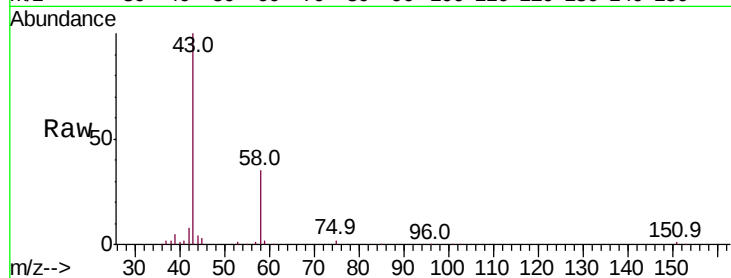
VSTDCCC020

Tot Ion: 58 Resp: 72318

Ion Ratio Lower Upper

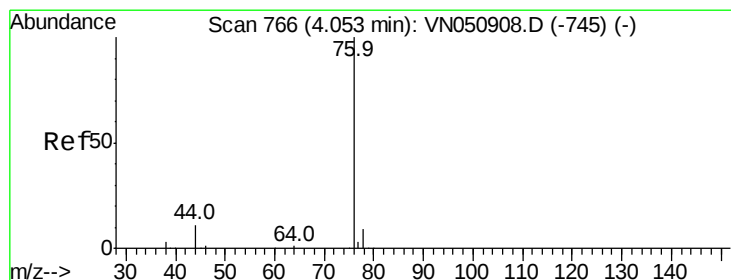
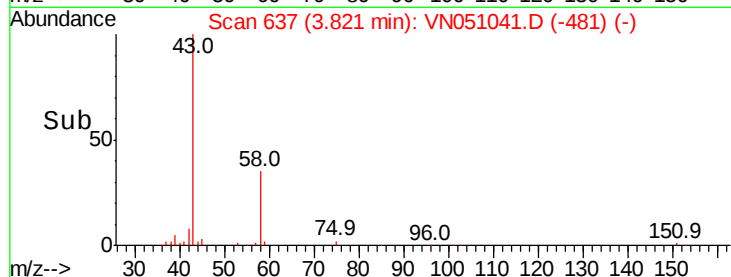
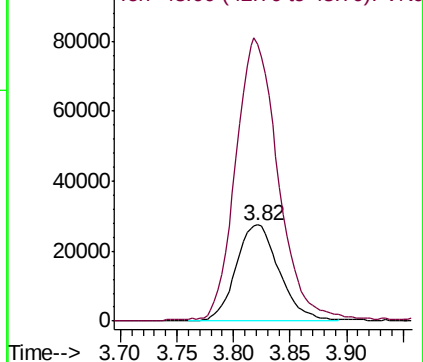
58 100

43 287.4 239.4 359.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 15.967 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051041.D

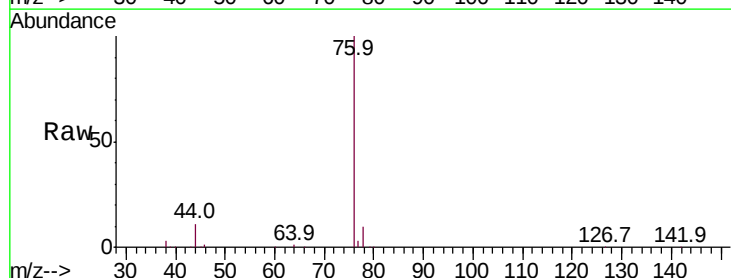
Acq: 7 Sep 2018 8:35

Tgt Ion: 76 Resp: 352312

Ion Ratio Lower Upper

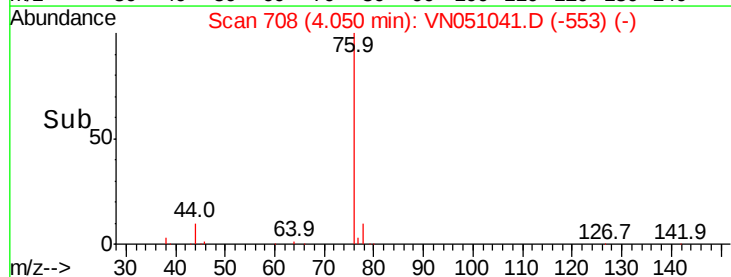
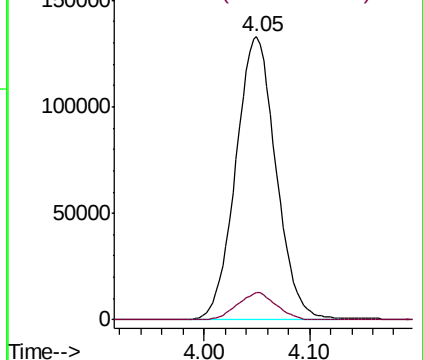
76 100

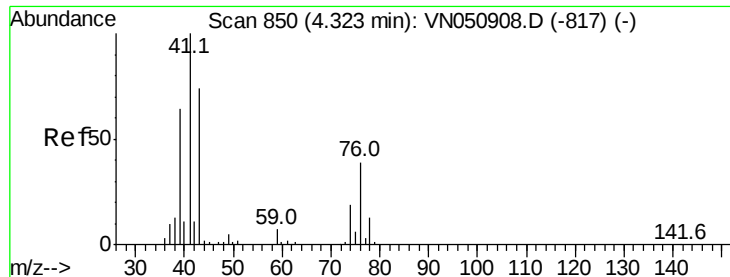
78 9.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 16.831 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

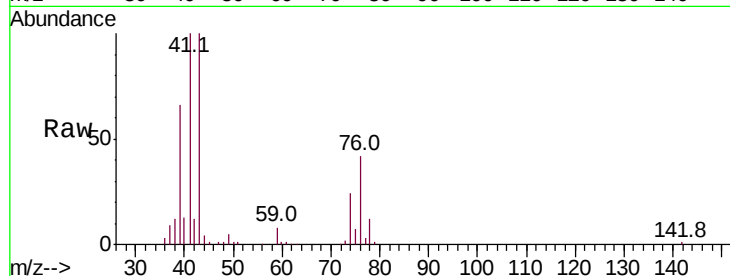
Tot Ion: 41 Resp: 194339

Ion Ratio Lower Upper

41 100

39 65.7 32.2 96.6

76 41.5 19.6 58.7

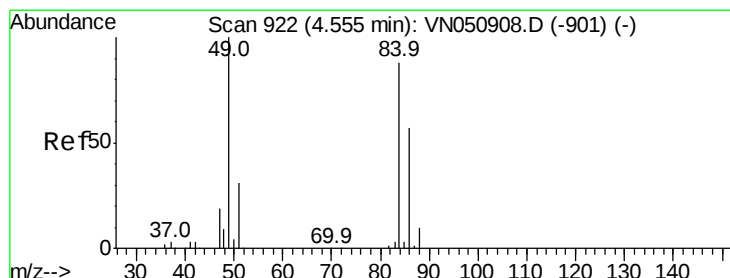
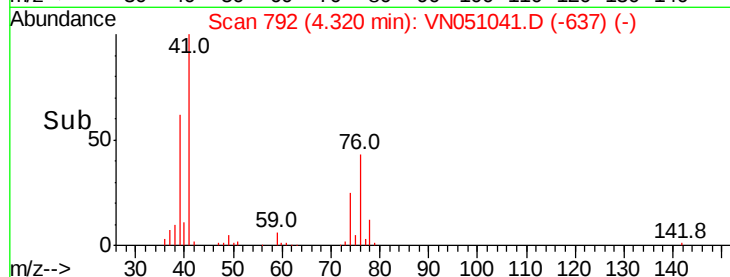
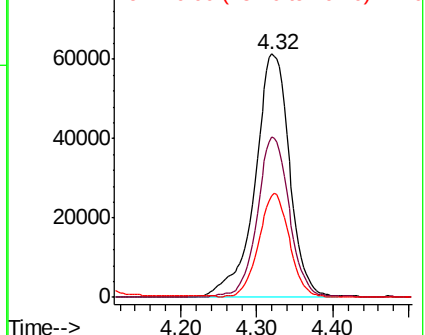


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 17.541 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Tgt Ion: 84 Resp: 151091

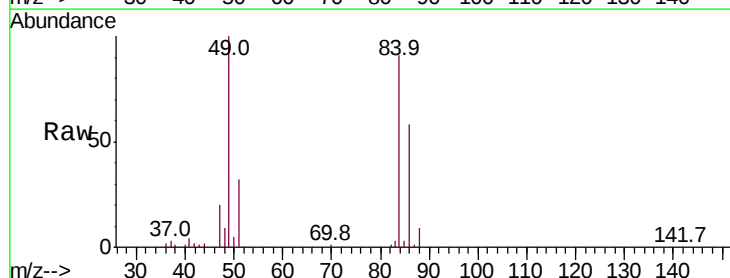
Ion Ratio Lower Upper

84 100

49 109.9 90.6 135.8

51 34.9 28.4 42.6

86 63.6 51.6 77.4



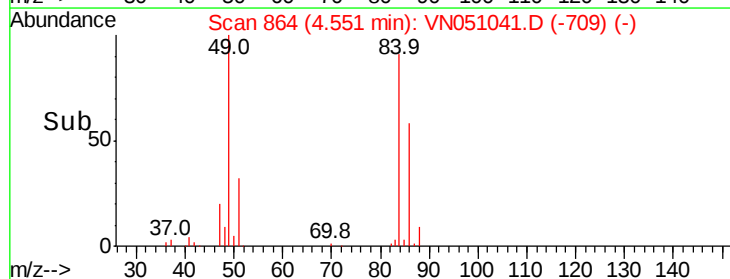
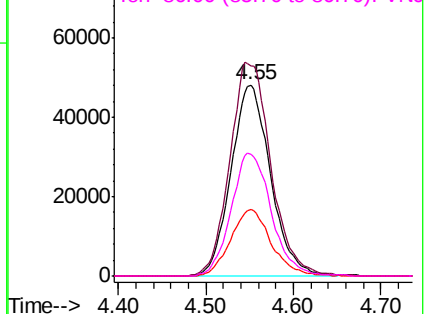
Abundance

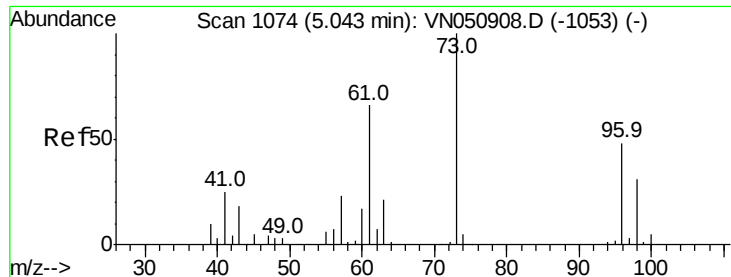
Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#19

trans-1,2-Dichloroethene

Concen: 17.293 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

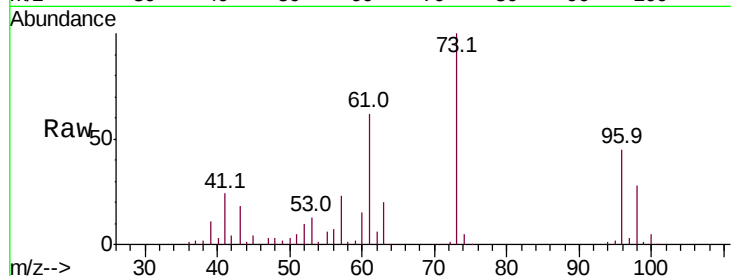
Tot Ion: 96 Resp: 135211

Ion Ratio Lower Upper

96 100

61 139.0 109.5 164.3

98 63.9 51.9 77.9

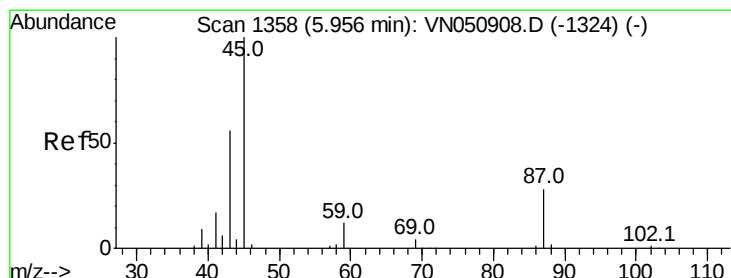
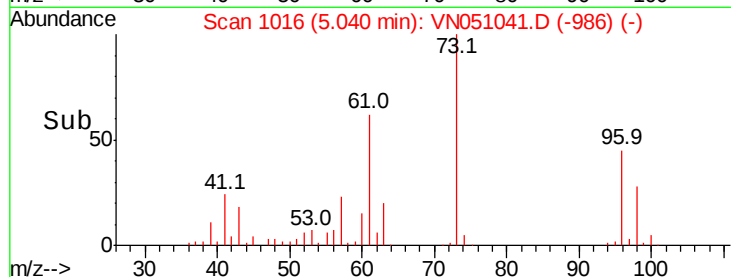
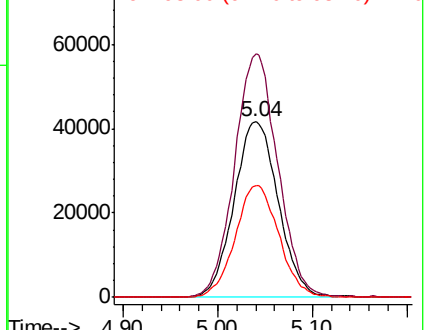


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20

Diisopropyl ether

Concen: 18.005 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Tgt Ion: 45 Resp: 431556

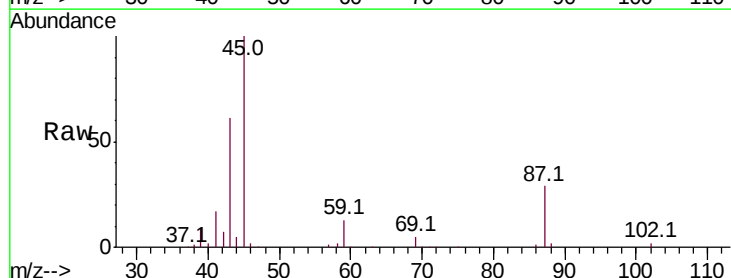
Ion Ratio Lower Upper

45 100

43 58.5 47.0 70.6

87 29.1 22.8 34.2

59 12.3 9.5 14.3



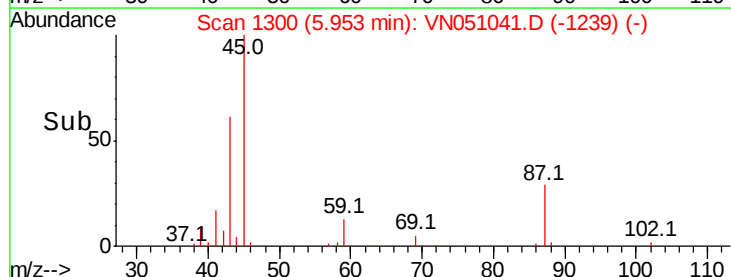
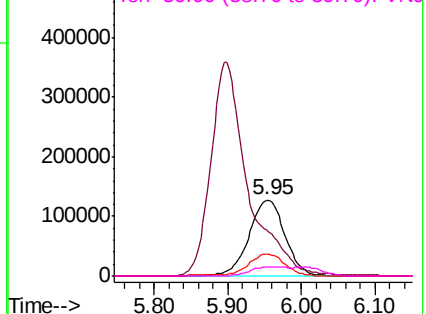
Abundance

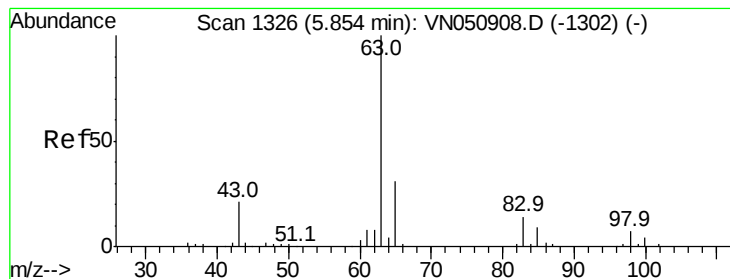
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#21

1,1-Dichloroethane

Concen: 17.764 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

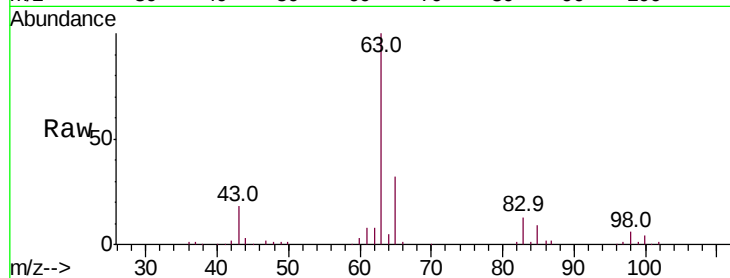
Tot Ion: 63 Resp: 261055

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

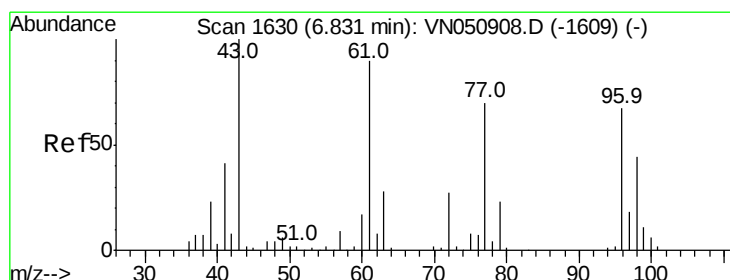
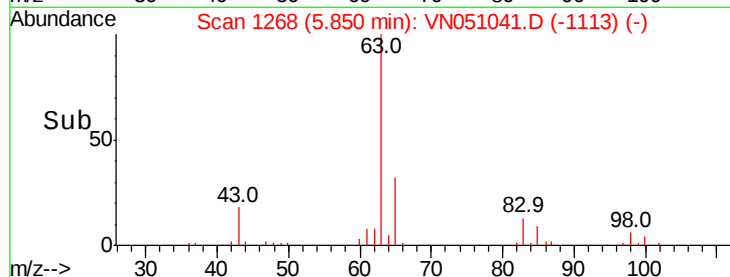
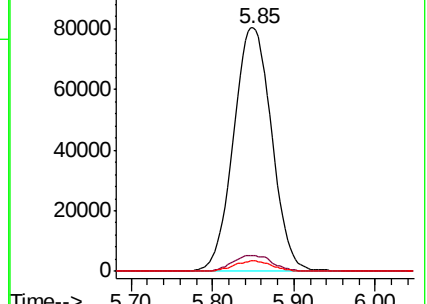
100 4.5 2.0 6.0



Abundance Ion 63.00 (62.70 to 63.70): VN051041.D (-1268) (-)

Ion 98.00 (97.70 to 98.70): VN051041.D (-1268) (-)

Ion 100.00 (99.70 to 100.70): VN051041.D (-1268) (-)



#22

cis-1,2-Dichloroethene

Concen: 17.241 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

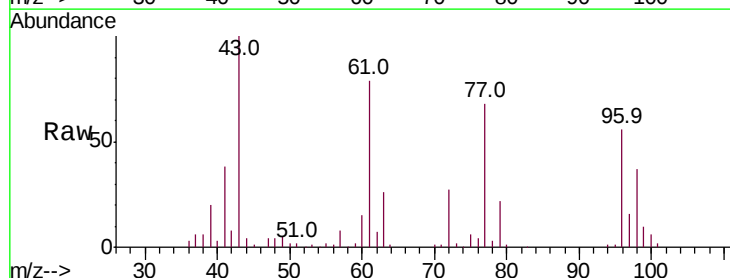
Tgt Ion: 96 Resp: 152276

Ion Ratio Lower Upper

96 100

61 142.2 110.0 165.0

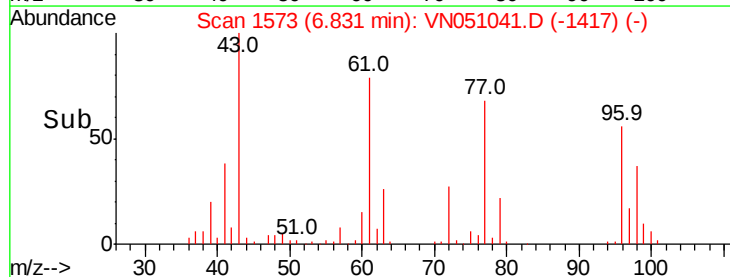
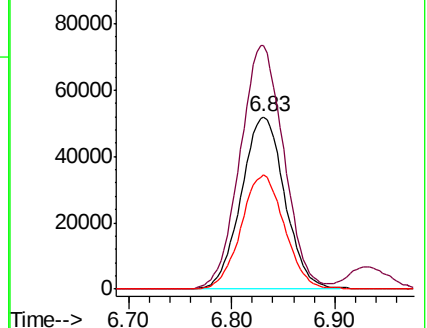
98 66.2 51.7 77.5

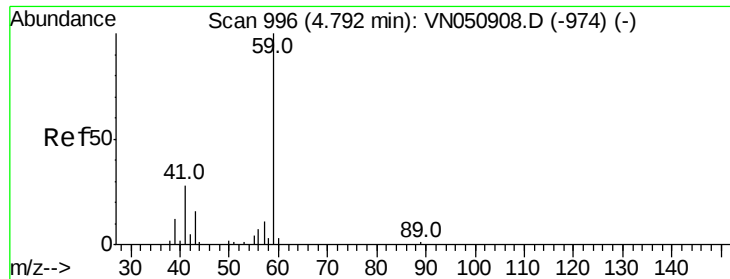


Abundance Ion 96.00 (95.70 to 96.70): VN051041.D (-1573) (-)

Ion 61.00 (60.70 to 61.70): VN051041.D (-1573) (-)

Ion 98.00 (97.70 to 98.70): VN051041.D (-1573) (-)





#23

tert-Butyl Alcohol

Concen: 88.527 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

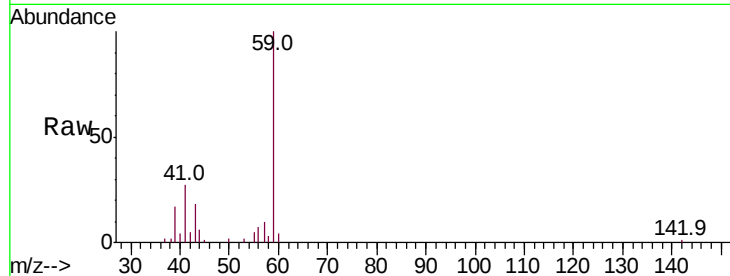
VSTDCCC020

Tot Ion: 59 Resp: 54016

Ion Ratio Lower Upper

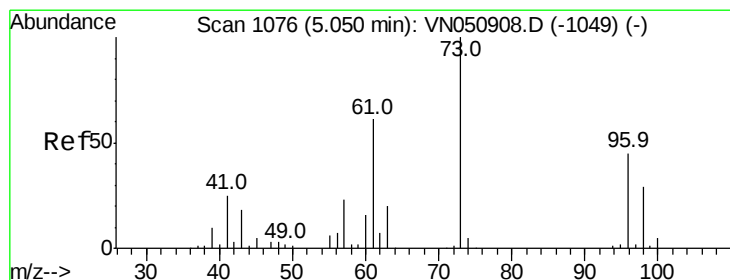
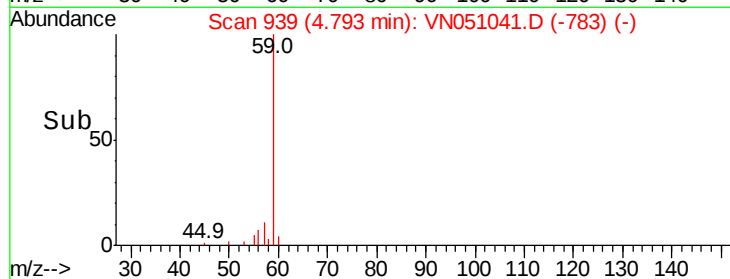
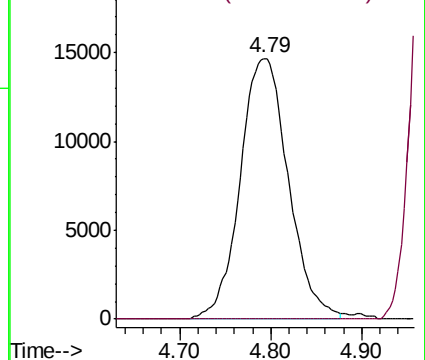
59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 17.714 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051041.D

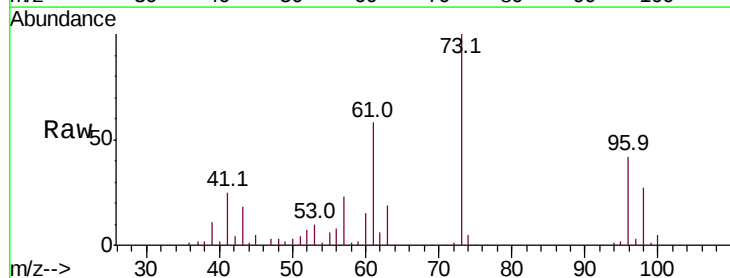
Acq: 7 Sep 2018 8:35

Tgt Ion: 73 Resp: 355544

Ion Ratio Lower Upper

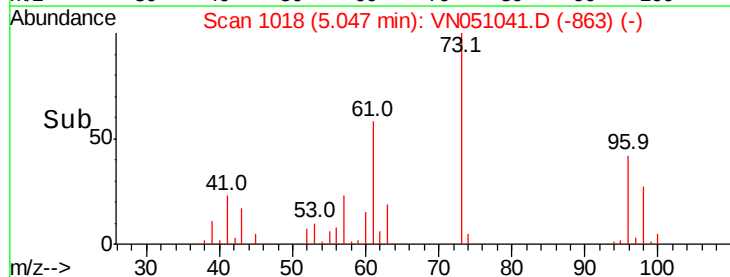
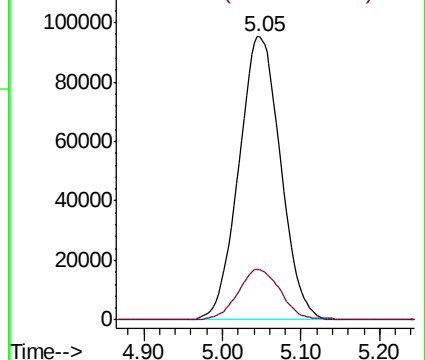
73 100

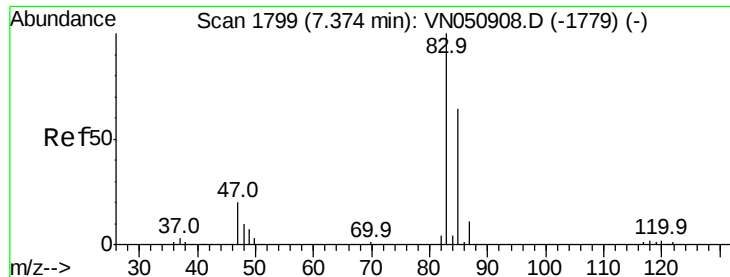
43 18.1 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

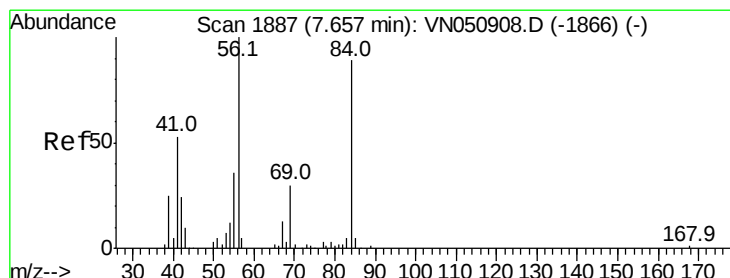
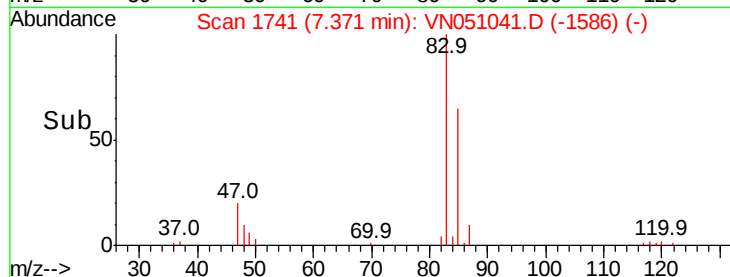
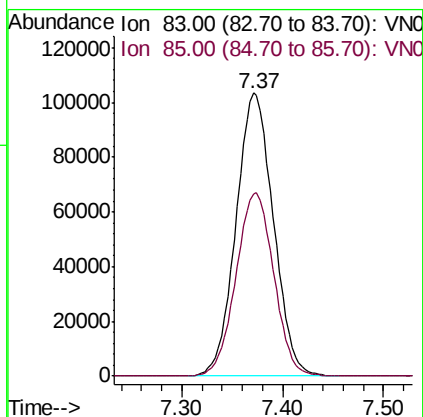
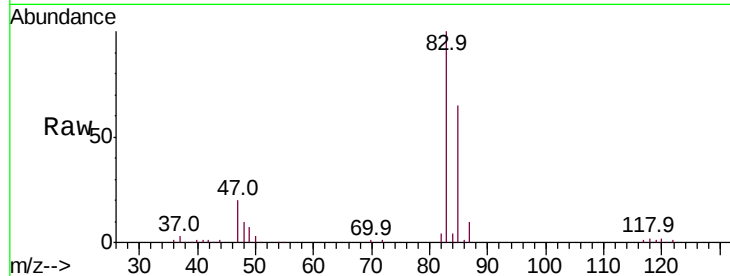




#25
Chloroform
Concen: 18.131 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

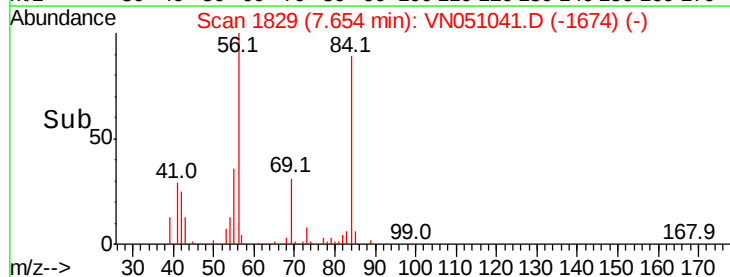
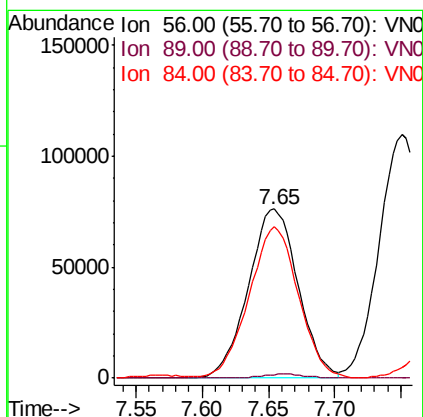
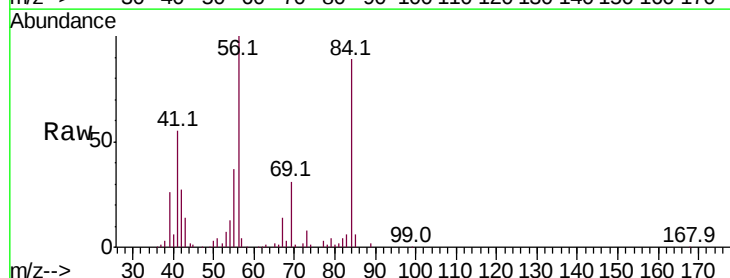
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

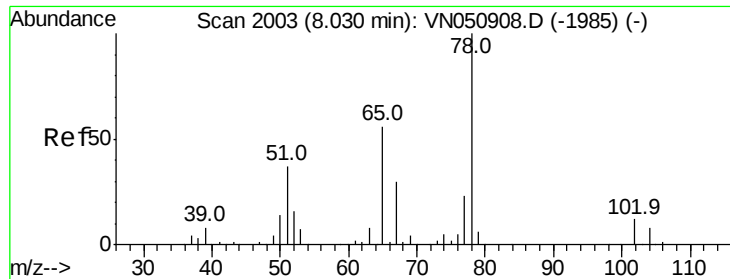
Tot Ion: 83 Resp: 265938
Ion Ratio Lower Upper
83 100
85 64.6 51.4 77.0



#26
Cyclohexane
Concen: 16.413 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion: 56 Resp: 199836
Ion Ratio Lower Upper
56 100
89 2.0 0.4 0.6#
84 88.5 70.4 105.6

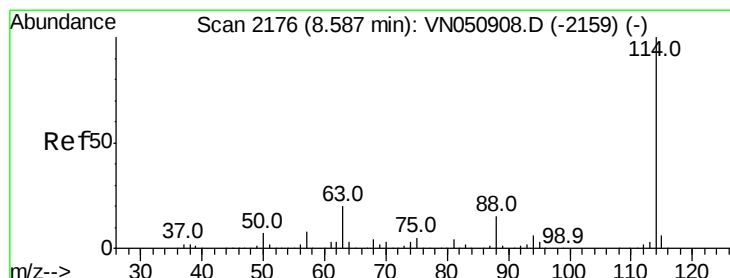
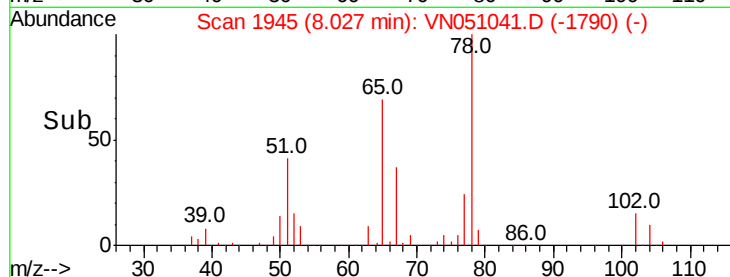
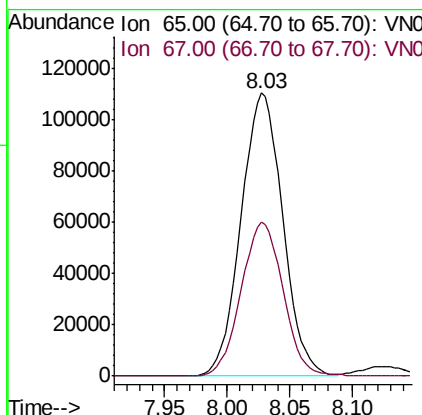
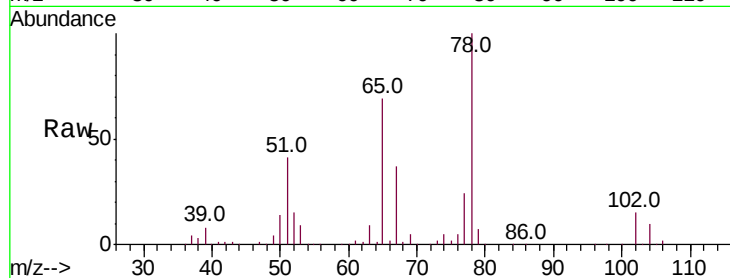




#27
 1,2-Dichloroethane-d4
 Concen: 29.508 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

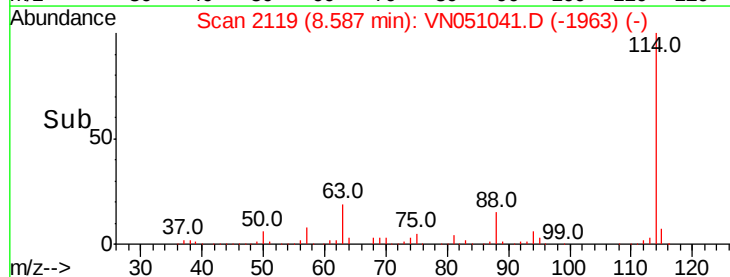
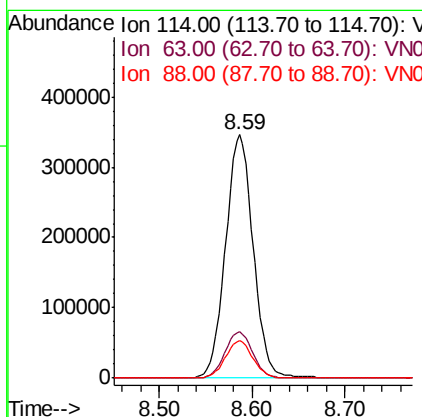
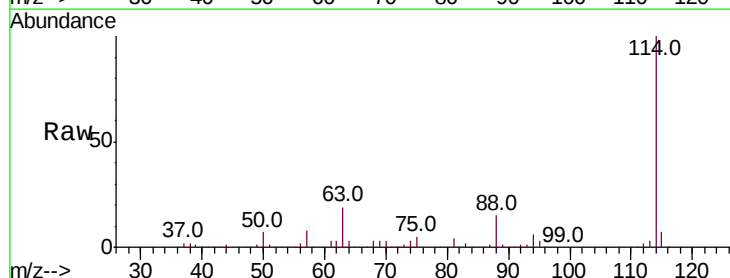
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

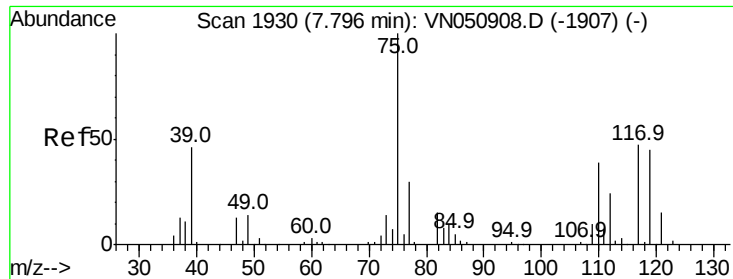
Tot Ion: 65 Resp: 255739
 Ion Ratio Lower Upper
 65 100
 67 54.8 43.7 65.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion: 114 Resp: 715608
 Ion Ratio Lower Upper
 114 100
 63 19.2 15.6 23.4
 88 15.1 12.2 18.4

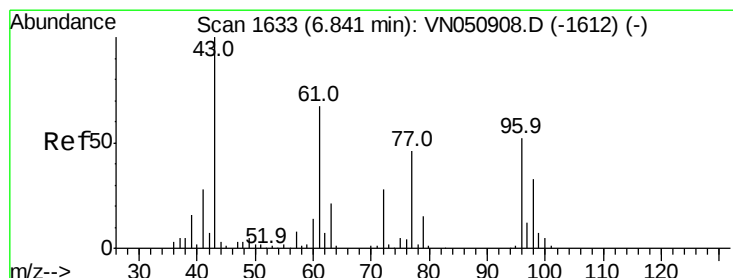
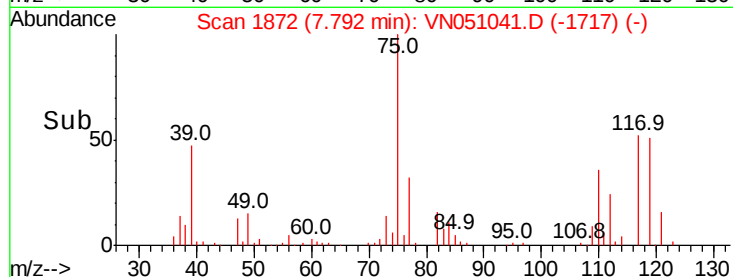
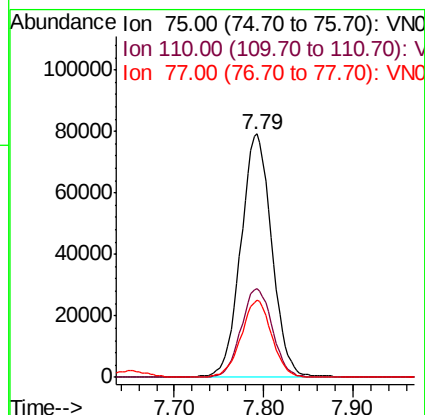
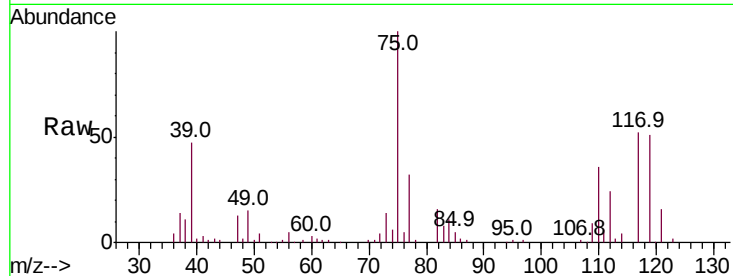




#29
 1,1-Dichloropropene
 Concen: 17.890 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

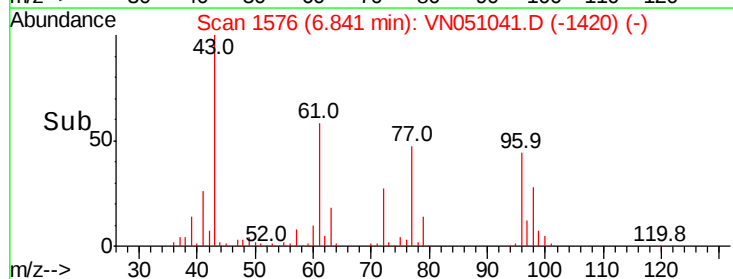
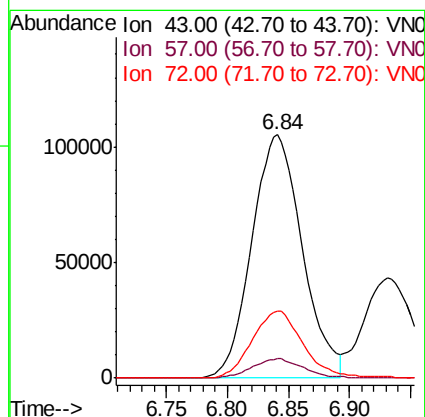
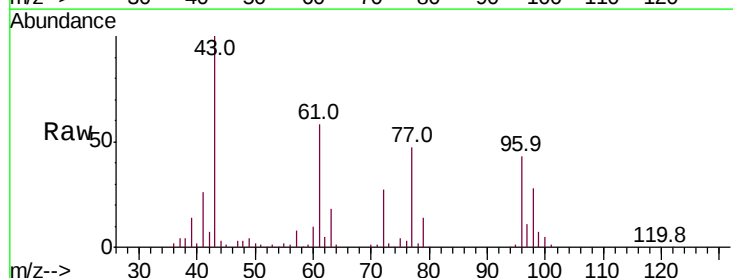
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

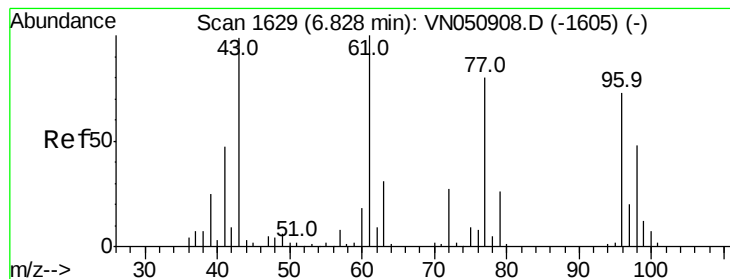
Tot Ion	Ratio	Lower	Upper
75	100		
110	36.7	0.0	75.0
77	31.5	0.0	60.6



#30
 2-Butanone
 Concen: 91.875 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.9	10.3
72	27.7	22.8	34.2





#31

2,2-Dichloropropane

Concen: 19.875 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

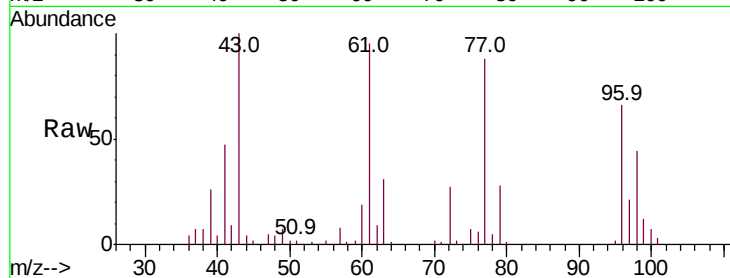
VSTDCCC020

Tot Ion: 77 Resp: 207185

Ion Ratio Lower Upper

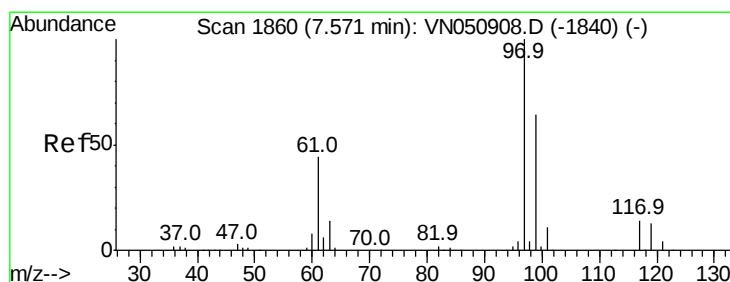
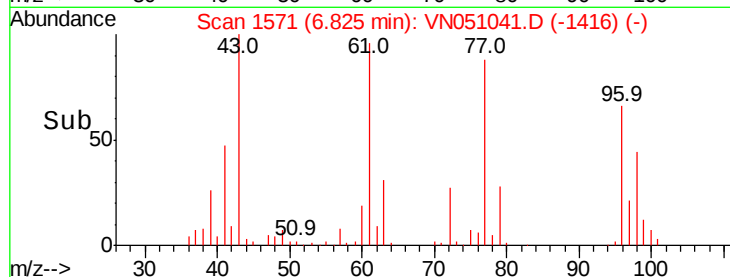
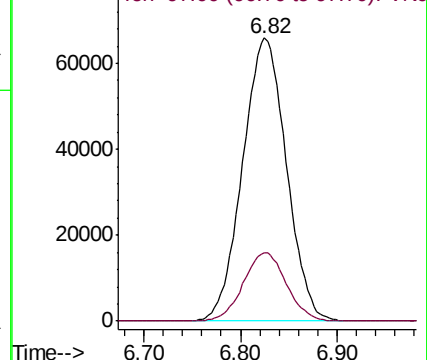
77 100

97 23.7 20.2 30.2



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.446 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

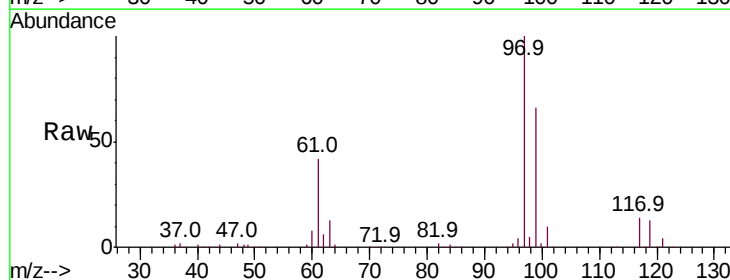
Tgt Ion: 97 Resp: 224096

Ion Ratio Lower Upper

97 100

99 65.4 52.0 78.0

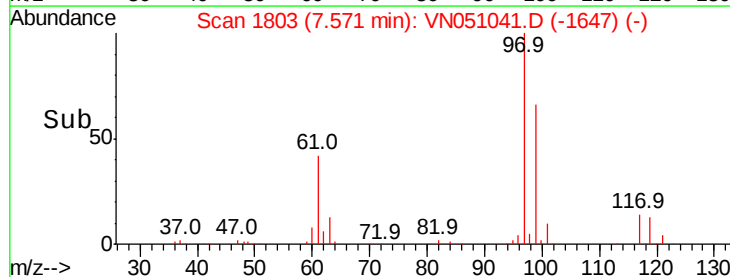
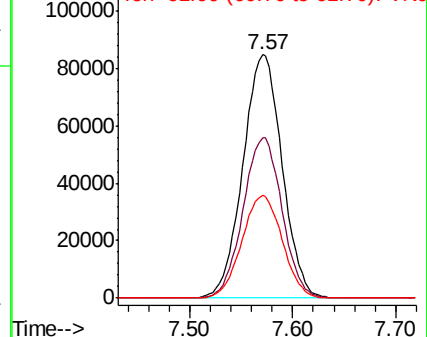
61 43.4 35.0 52.6

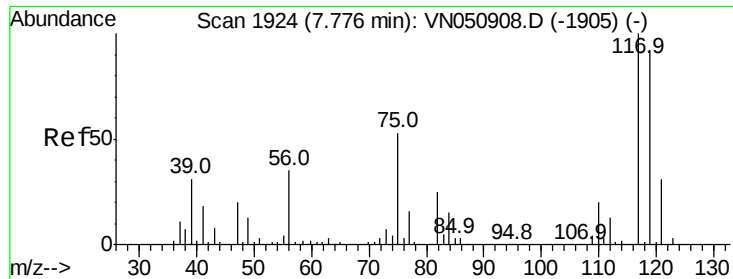


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

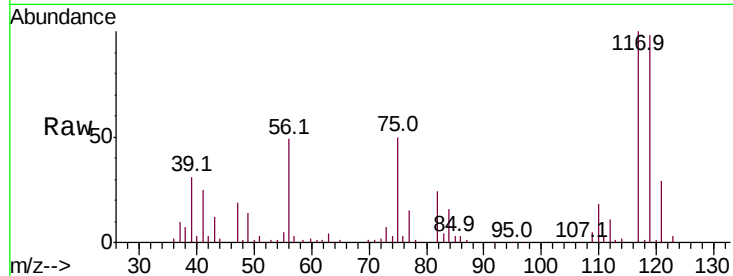




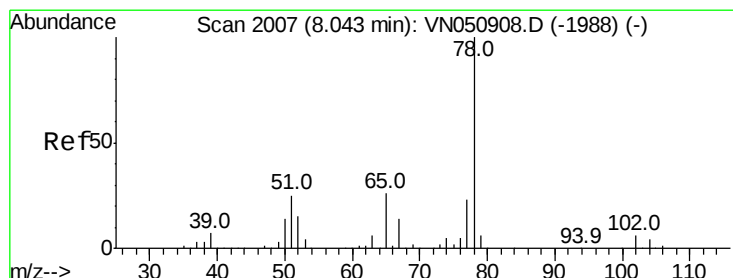
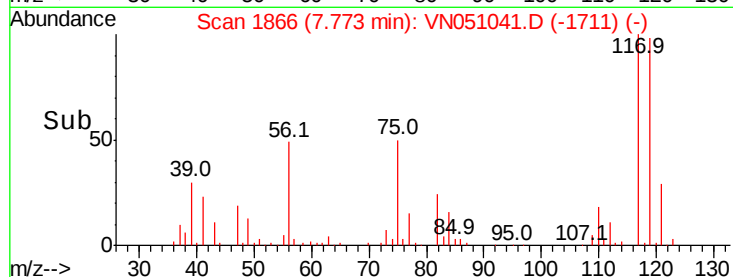
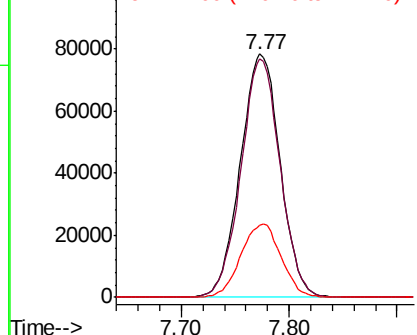
#33
Carbon Tetrachloride
Concen: 18.349 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 200747
Ion Ratio Lower Upper
117 100
119 97.8 73.5 110.3
121 29.4 24.6 37.0

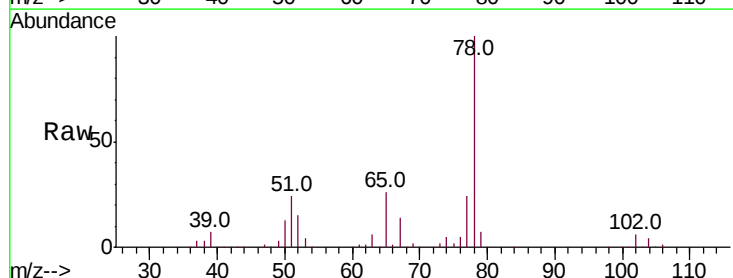


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

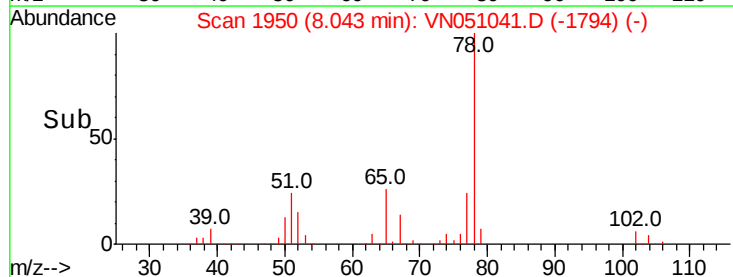
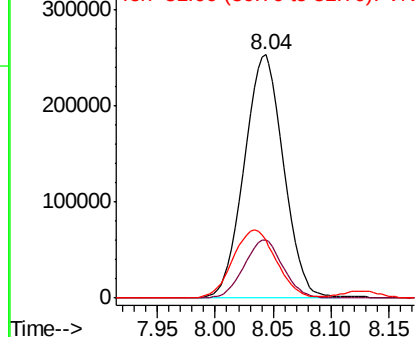


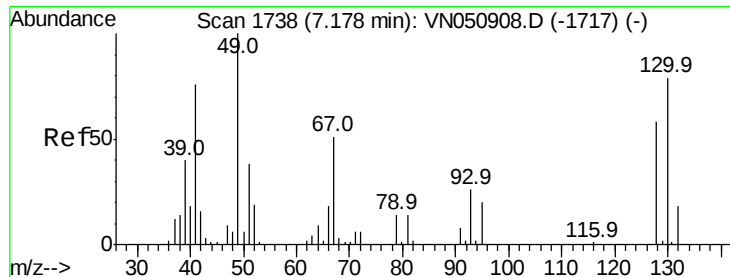
#34
Benzene
Concen: 18.026 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion: 78 Resp: 597424
Ion Ratio Lower Upper
78 100
77 24.0 18.6 28.0
51 23.6 20.0 30.0



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

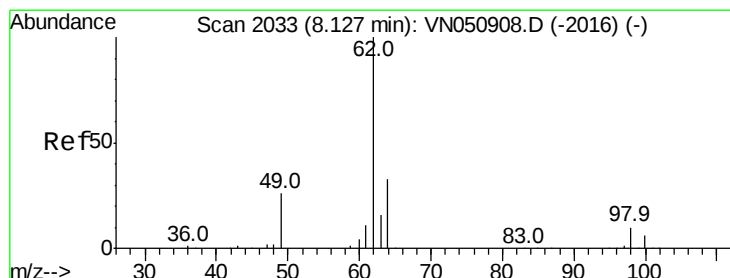
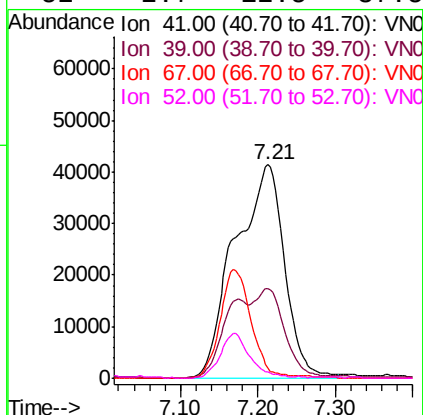
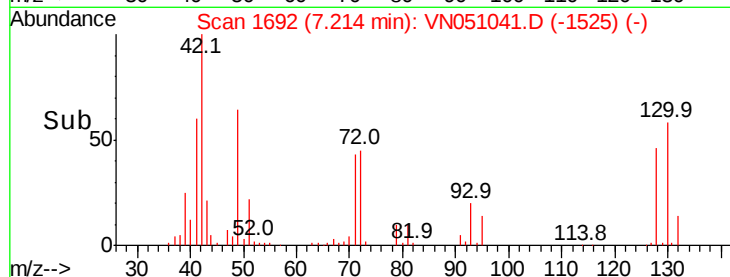
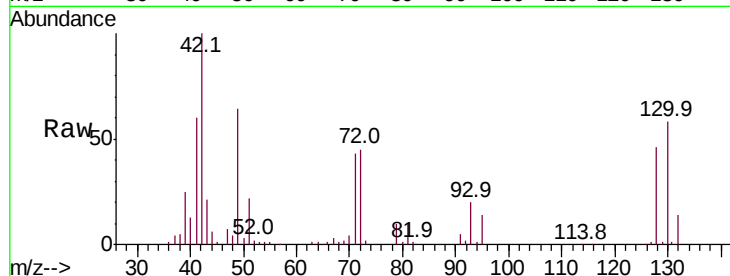




#35
Methacrylonitrile
Concen: 51.175 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

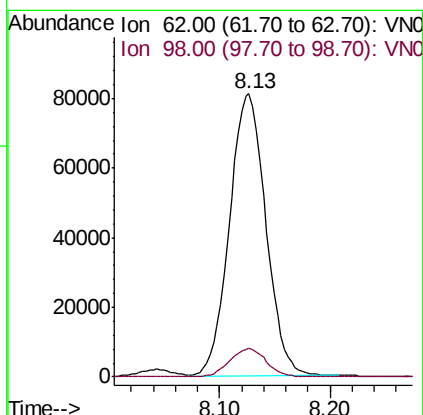
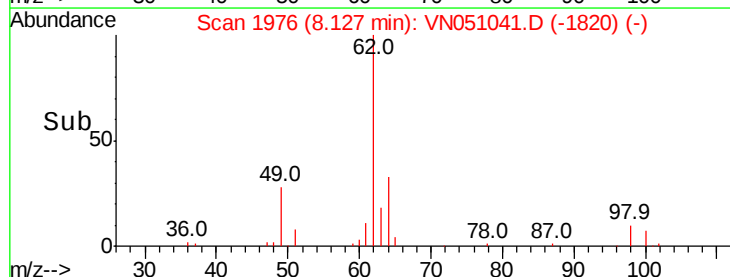
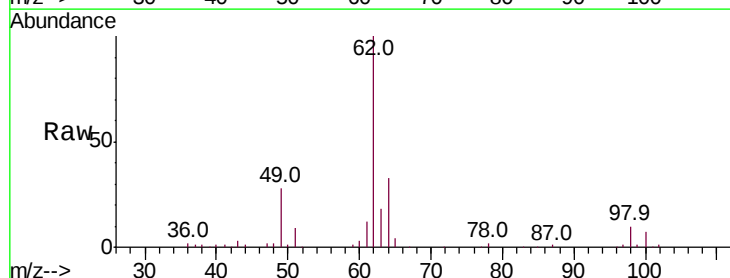
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

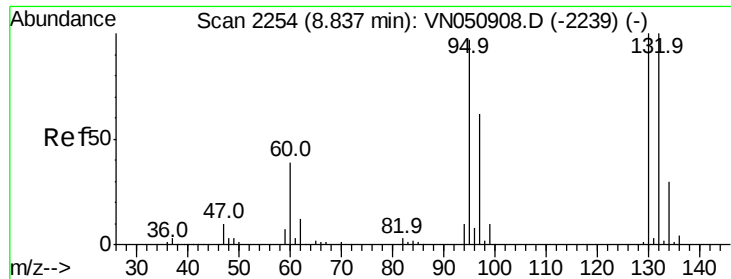
Tot Ion: 41 Resp: 184783
Ion Ratio Lower Upper
41 100
39 41.7 26.2 78.5
67 4.6 33.9 101.6#
52 2.7 12.5 37.5#



#36
1,2-Dichloroethane
Concen: 18.500 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion: 62 Resp: 185435
Ion Ratio Lower Upper
62 100
98 10.1 8.0 12.0

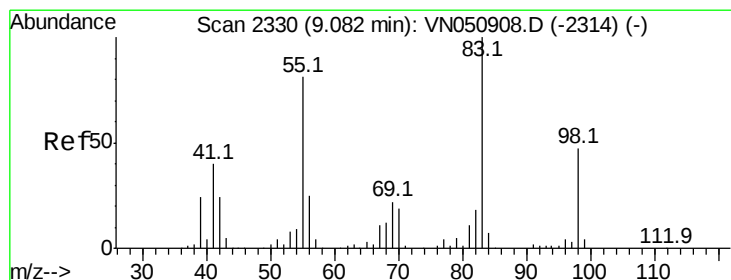
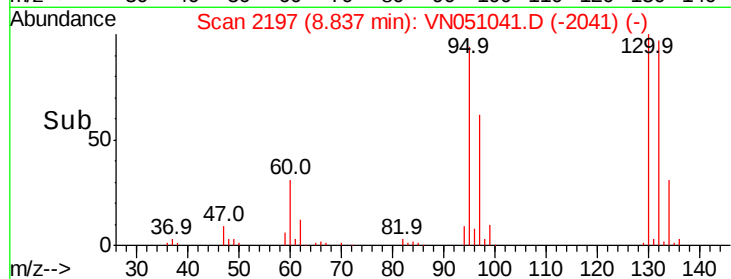
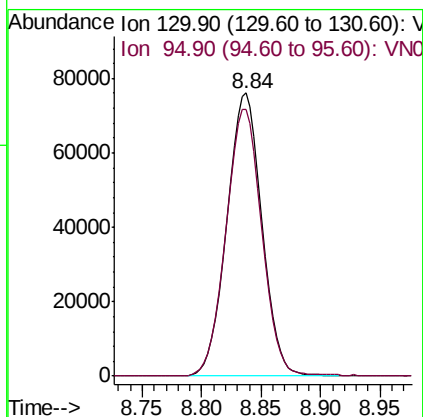
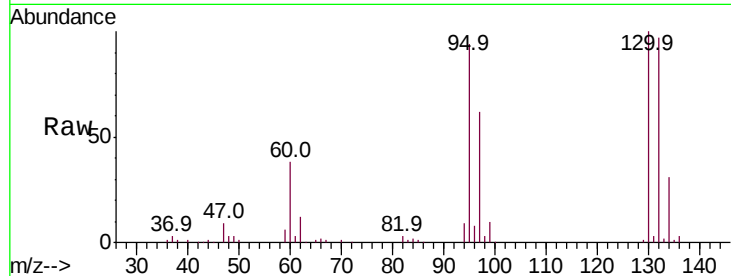




#37
 Trichloroethene
 Concen: 17.902 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

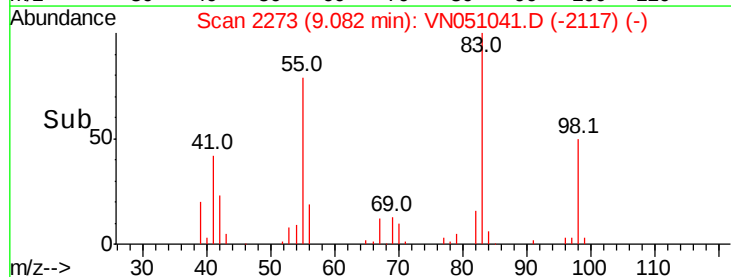
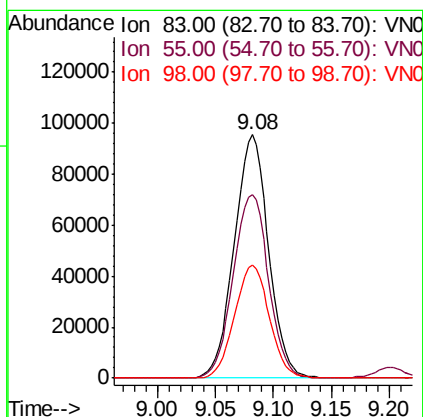
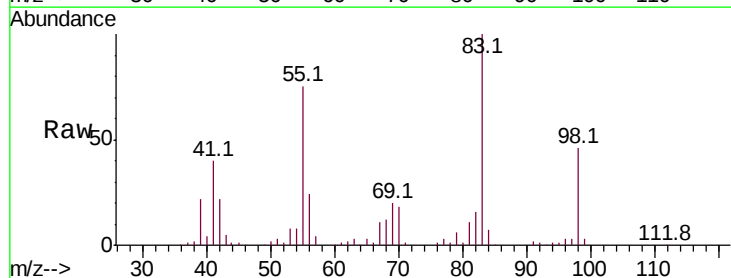
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

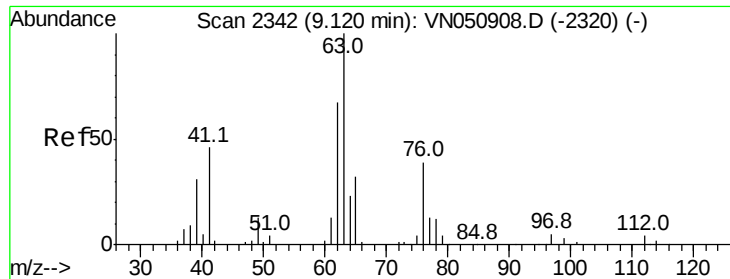
Tot Ion:130 Resp: 155074
 Ion Ratio Lower Upper
 130 100
 95 94.0 77.4 116.0



#38
 Methylcyclohexane
 Concen: 17.078 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion: 83 Resp: 196509
 Ion Ratio Lower Upper
 83 100
 55 77.9 38.9 116.7
 98 47.0 22.9 68.7





#39

1,2-Dichloropropane

Concen: 18.714 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

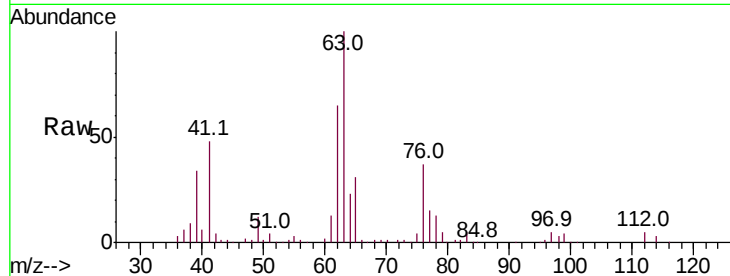
VSTDCCC020

Tot Ion: 63 Resp: 161984

Ion Ratio Lower Upper

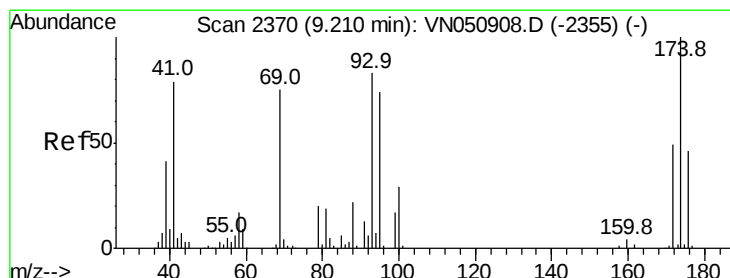
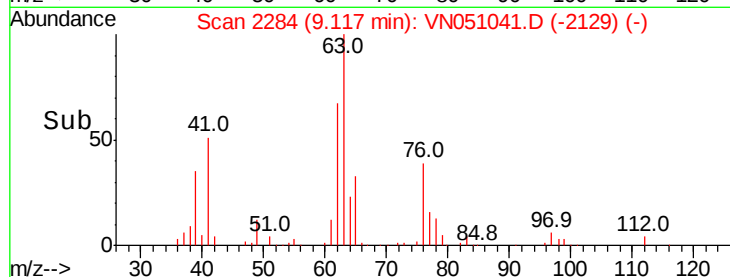
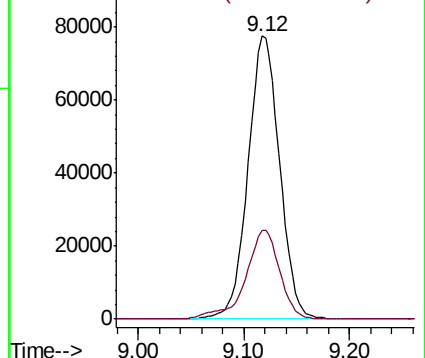
63 100

65 31.2 25.6 38.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.898 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

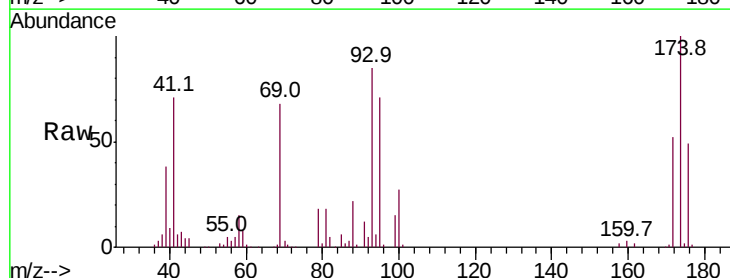
Tgt Ion: 93 Resp: 98536

Ion Ratio Lower Upper

93 100

95 82.5 0.0 173.4

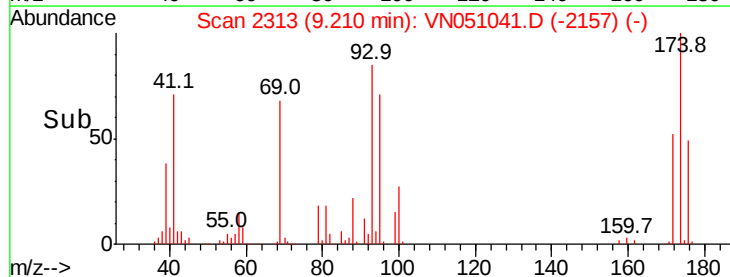
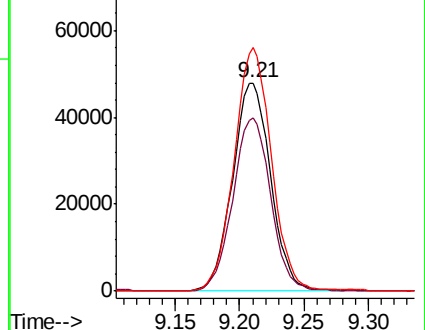
174 114.5 0.0 234.8

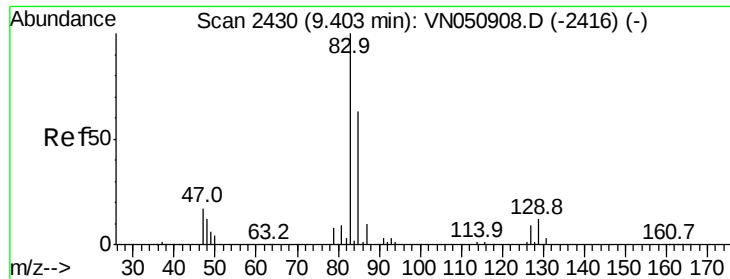


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.333 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

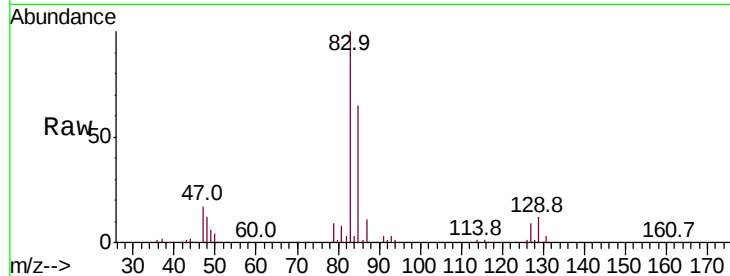
Tot Ion: 83 Resp: 201508

Ion Ratio Lower Upper

83 100

85 64.9 50.6 76.0

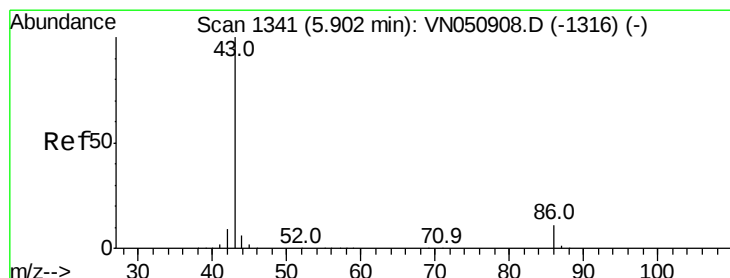
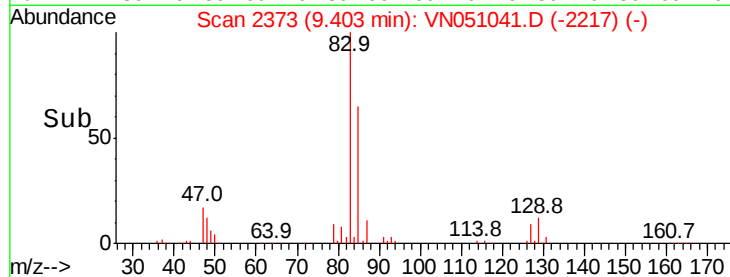
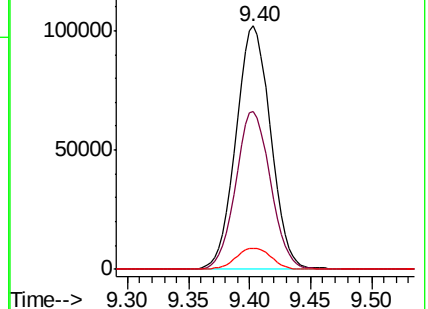
127 8.8 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 82.769 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051041.D

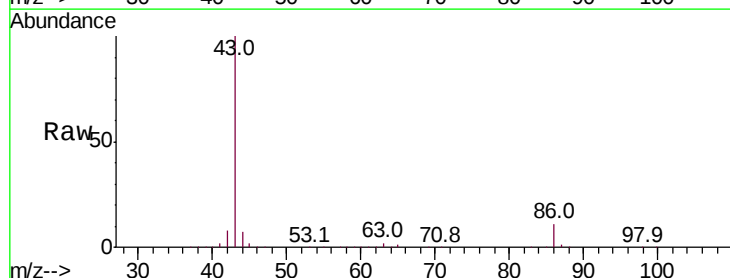
Acq: 7 Sep 2018 8:35

Tgt Ion: 43 Resp: 1256483

Ion Ratio Lower Upper

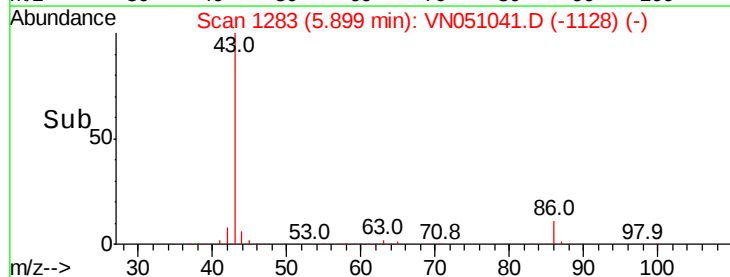
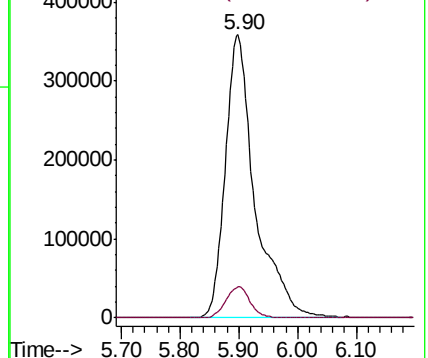
43 100

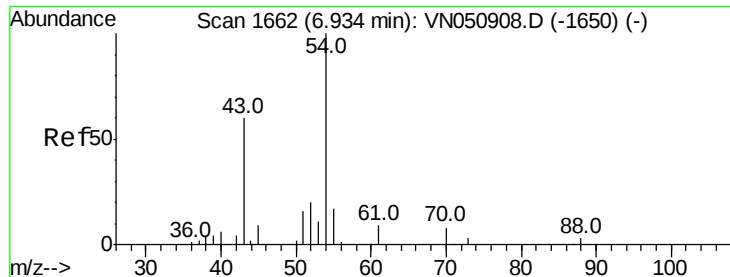
86 9.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

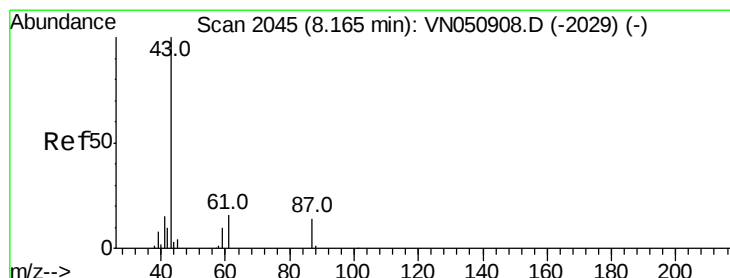
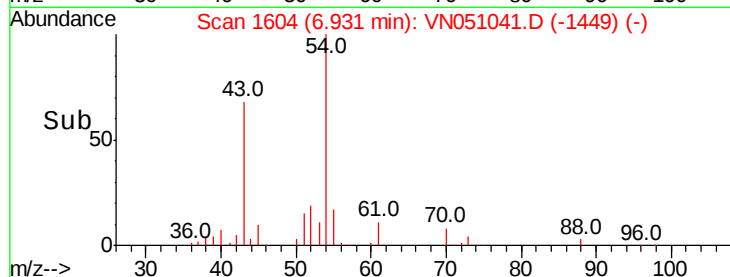
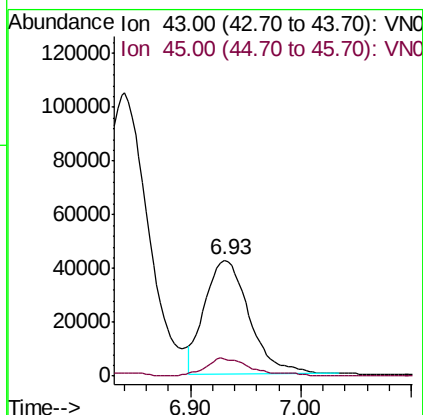
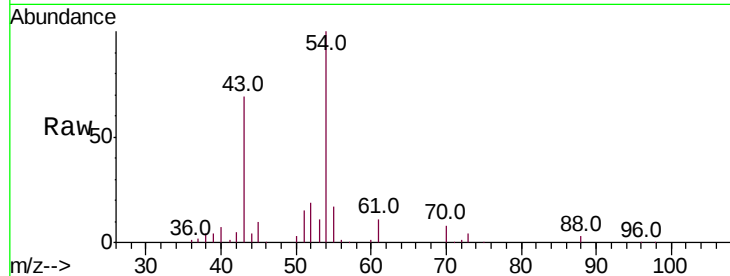




#43
Ethyl Acetate
Concen: 17.653 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

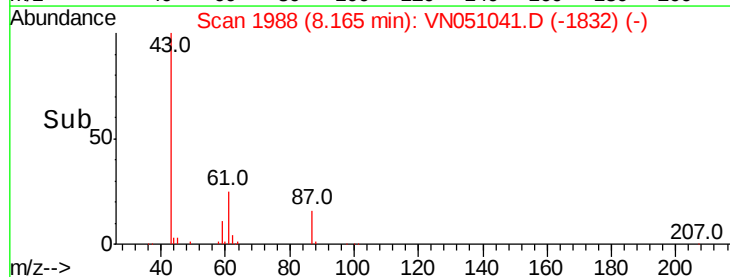
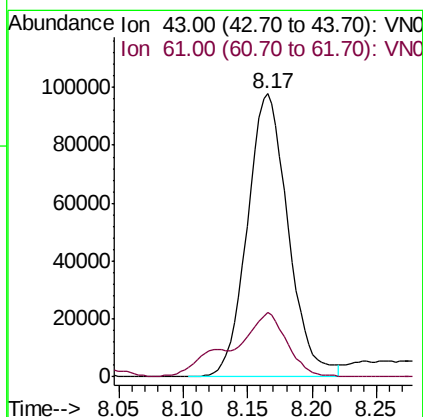
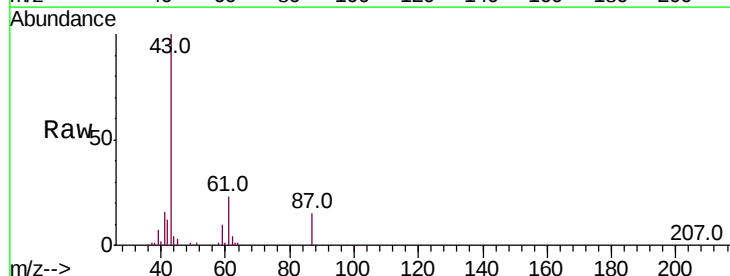
Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC020

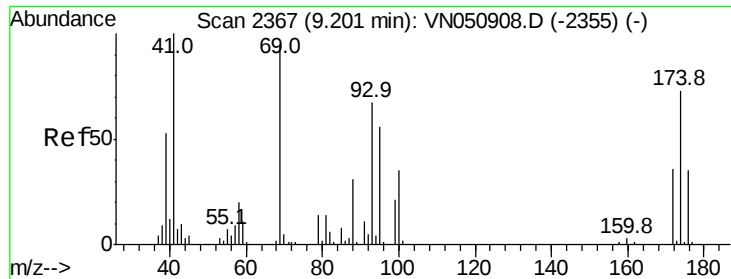
Tot Ion: 43 Resp: 119187
Ion Ratio Lower Upper
43 100
45 14.5 10.2 15.2



#44
Isopropyl Acetate
Concen: 18.061 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion: 43 Resp: 215175
Ion Ratio Lower Upper
43 100
61 21.8 16.3 24.5

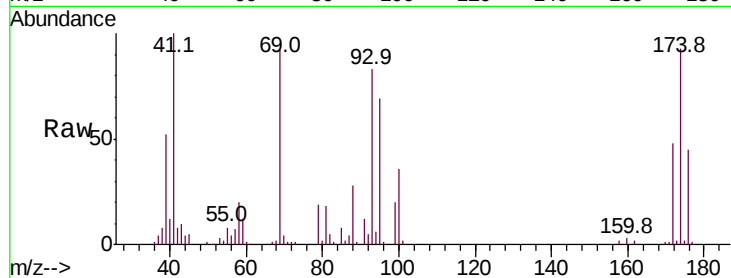




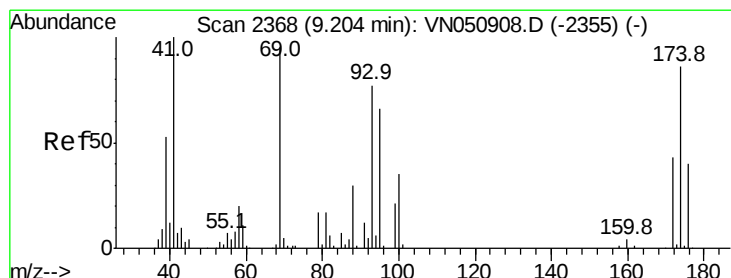
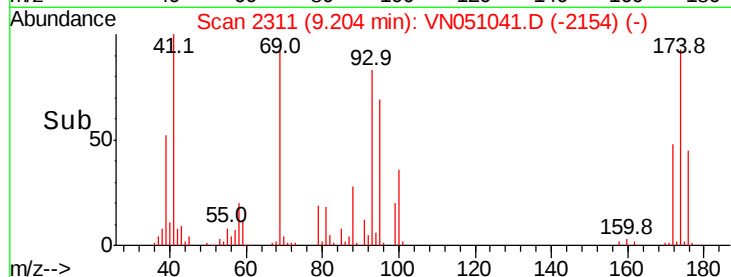
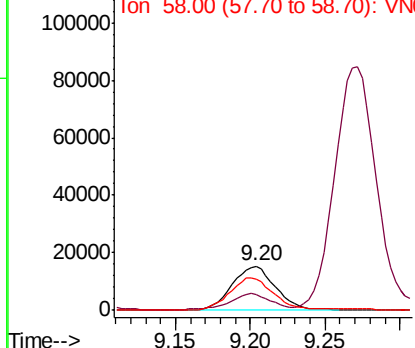
#45
 1,4-Dioxane
 Concen: 354.204 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 88 Resp: 31347
 Ion Ratio Lower Upper
 88 100
 43 33.2 23.5 35.3
 58 73.1 55.2 82.8

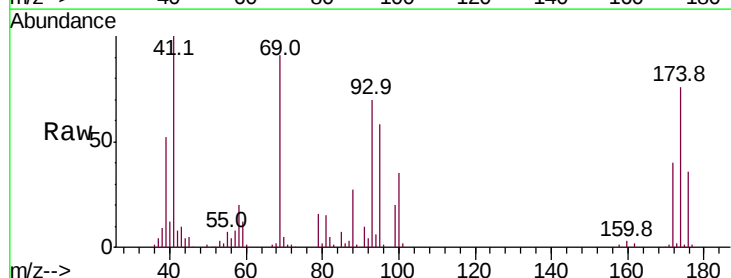


Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

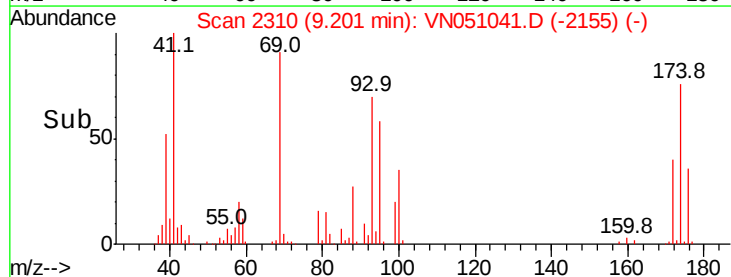
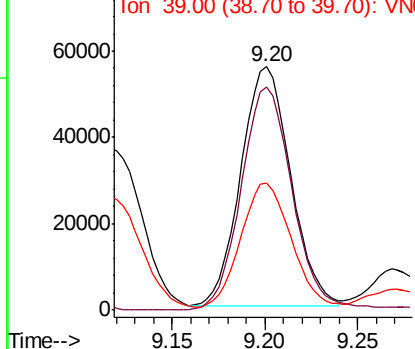


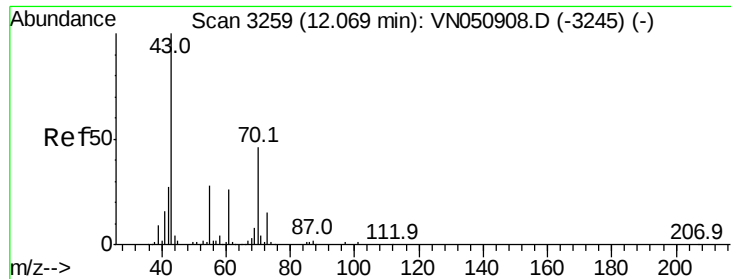
#46
 Methyl methacrylate
 Concen: 17.379 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion: 41 Resp: 103695
 Ion Ratio Lower Upper
 41 100
 69 92.9 47.4 142.2
 39 51.3 26.6 79.7



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





#47

n-amyl Acetate

Concen: 17.725 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

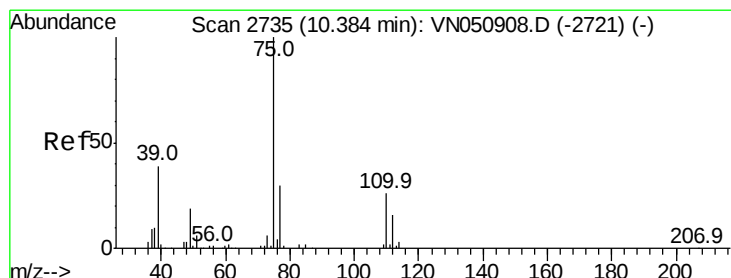
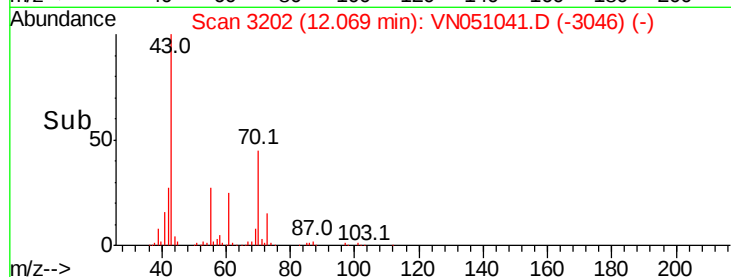
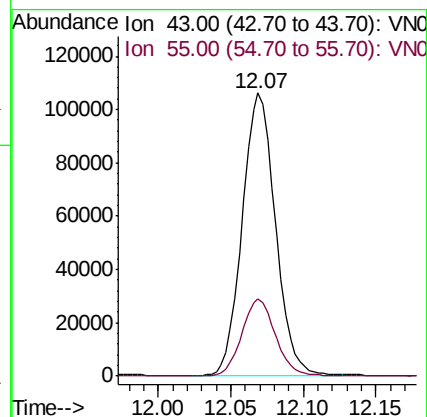
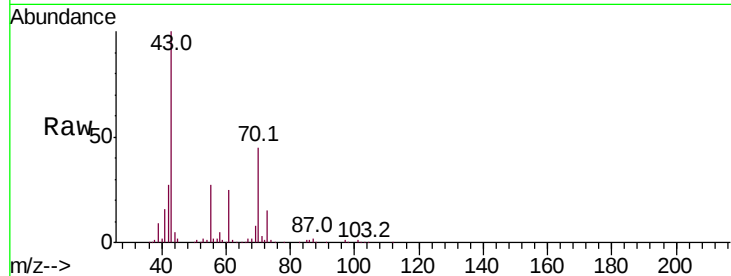
VSTDCCC020

Tot Ion: 43 Resp: 169778

Ion Ratio Lower Upper

43 100

55 27.6 23.0 34.4



#48

t-1,3-Dichloropropene

Concen: 17.882 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051041.D

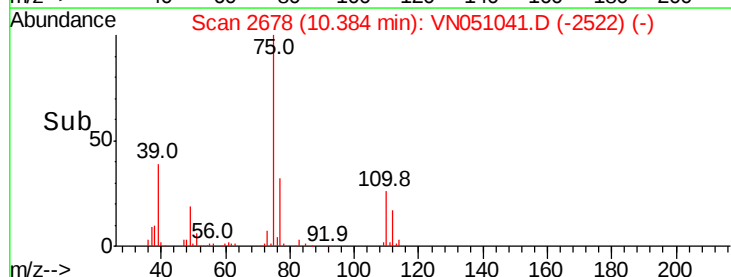
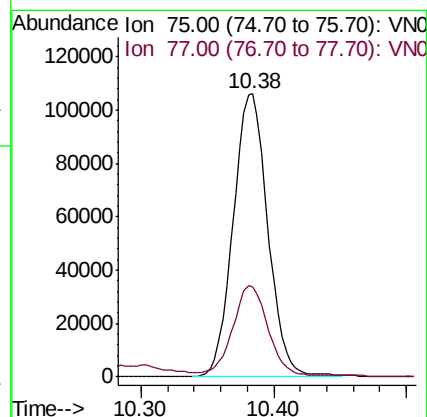
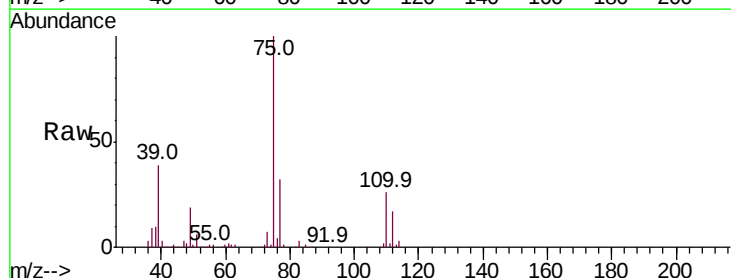
Acq: 7 Sep 2018 8:35

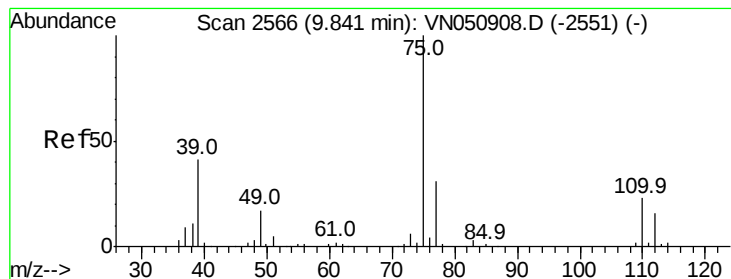
Tgt Ion: 75 Resp: 192670

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2



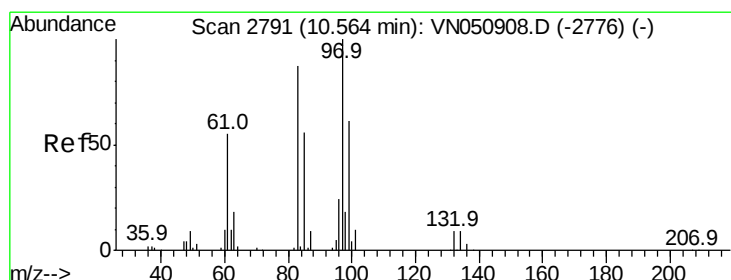
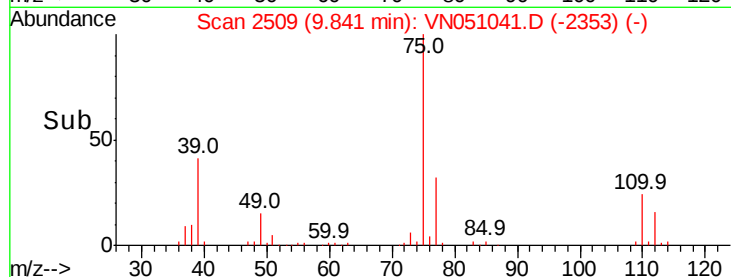
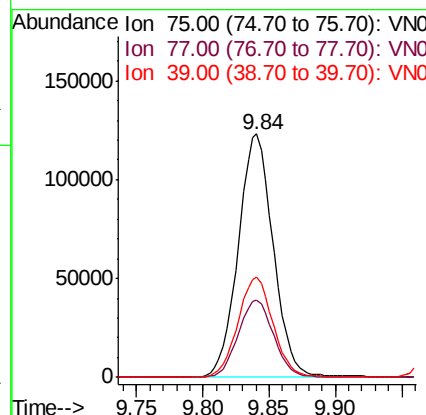
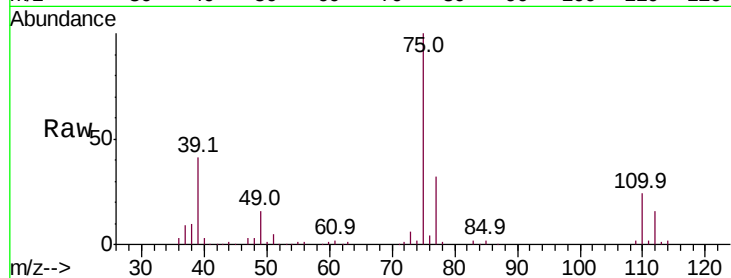


#49

cis-1,3-Dichloropropene
 Concen: 18.211 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

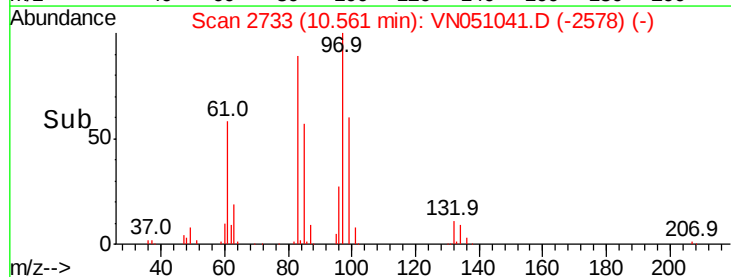
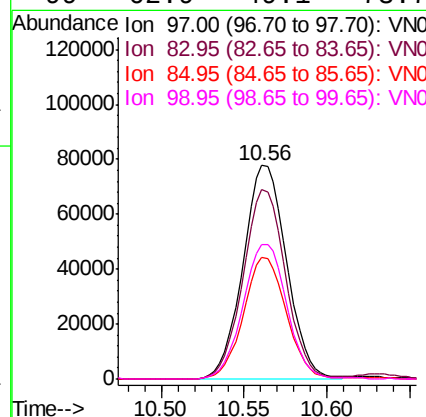
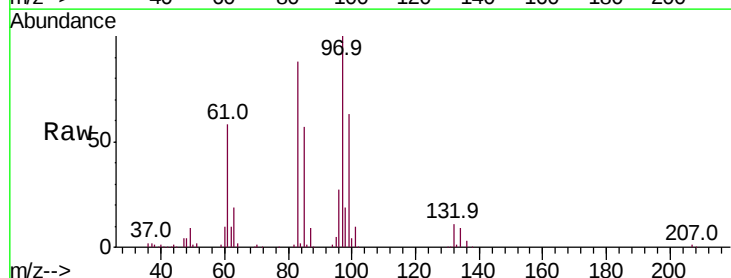
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.4
39	41.0	32.9	49.3

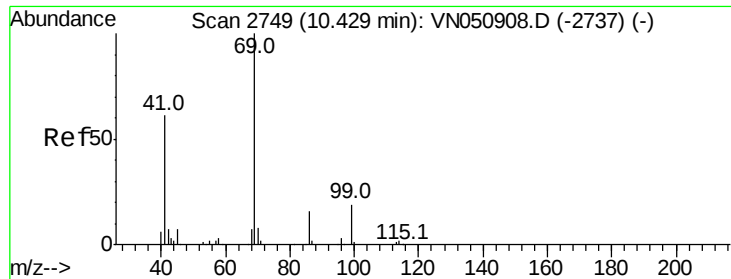


#50

1,1,2-Trichloroethane
 Concen: 18.761 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.8	104.6
85	57.2	45.0	67.6
99	62.9	49.1	73.7





#51

Ethyl methacrylate

Concen: 17.406 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

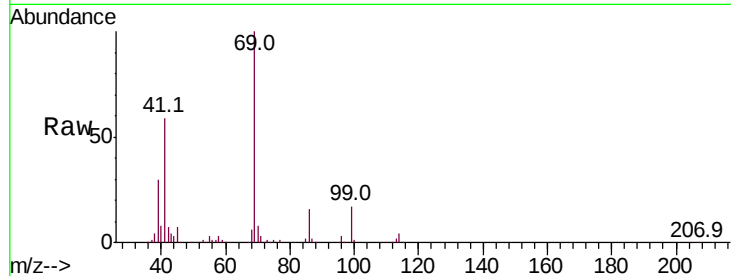
Tot Ion: 69 Resp: 161342

Ion Ratio Lower Upper

69 100

41 58.5 30.5 91.5

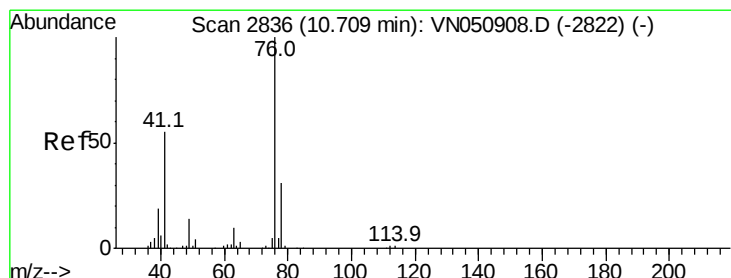
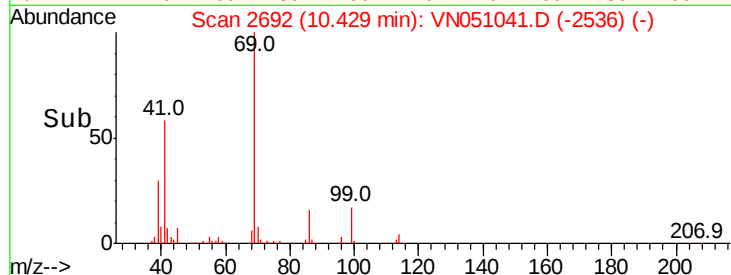
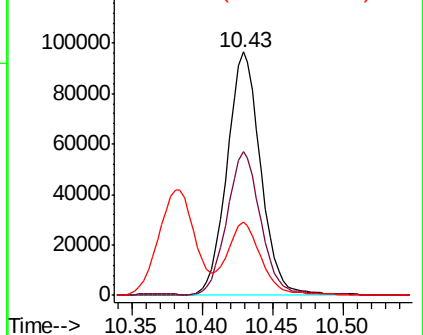
39 29.8 15.3 45.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 18.548 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051041.D

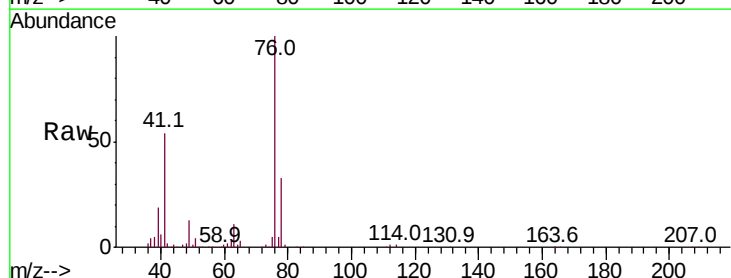
Acq: 7 Sep 2018 8:35

Tgt Ion: 76 Resp: 232766

Ion Ratio Lower Upper

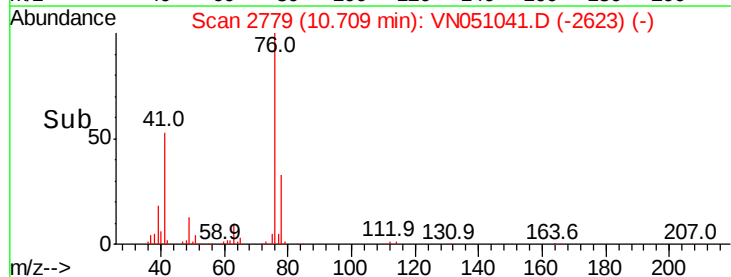
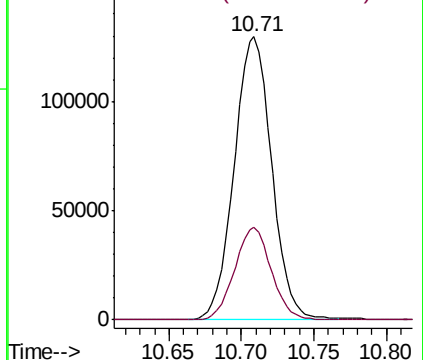
76 100

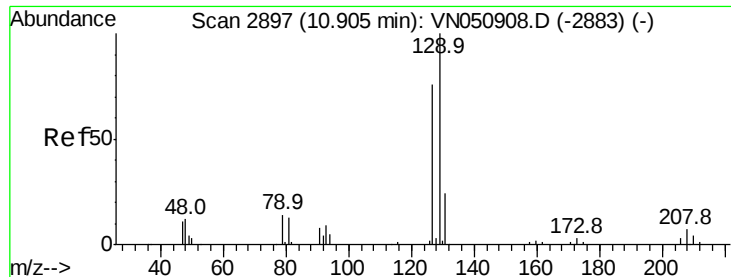
78 32.0 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.728 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

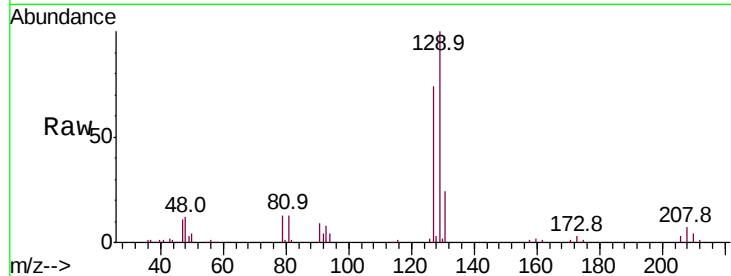
VSTDCCC020

Tot Ion:129 Resp: 161335

Ion Ratio Lower Upper

129 100

127 76.3 39.0 116.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

80000

60000

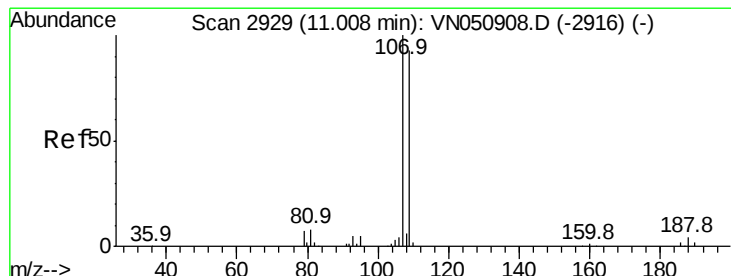
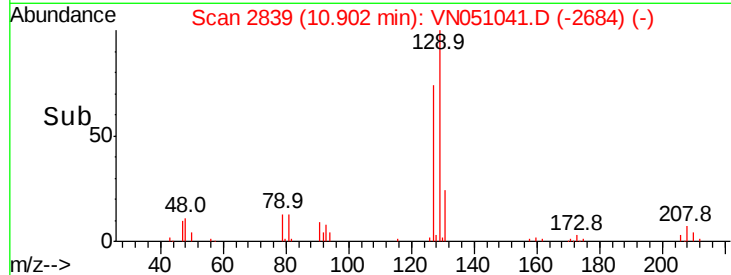
40000

20000

0

Time-->

10.85 10.90 10.95



#54

1,2-Dibromoethane

Concen: 18.328 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051041.D

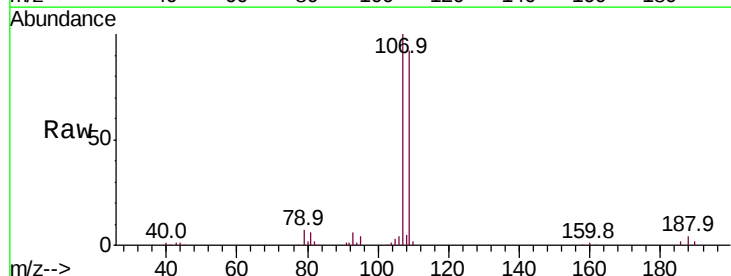
Acq: 7 Sep 2018 8:35

Tgt Ion:107 Resp: 137300

Ion Ratio Lower Upper

107 100

109 93.7 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

80000

60000

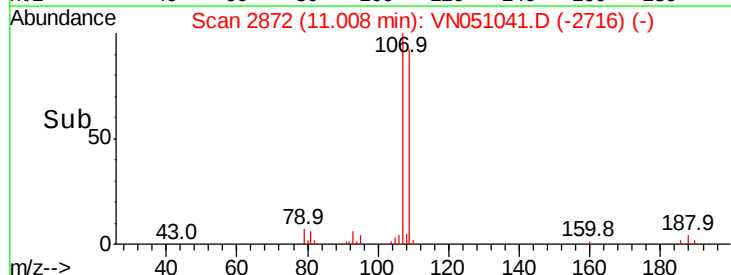
40000

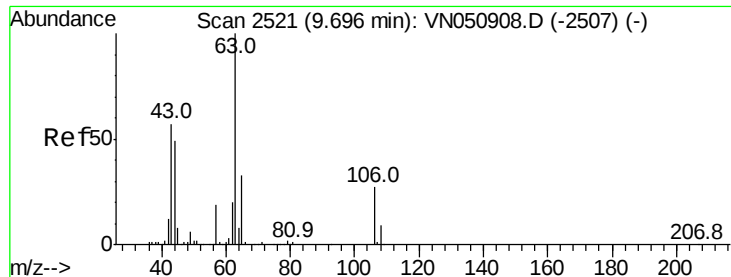
20000

0

Time-->

11.00 11.10





#55

2-Chloroethyl vinyl ether

Concen: 78.660 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

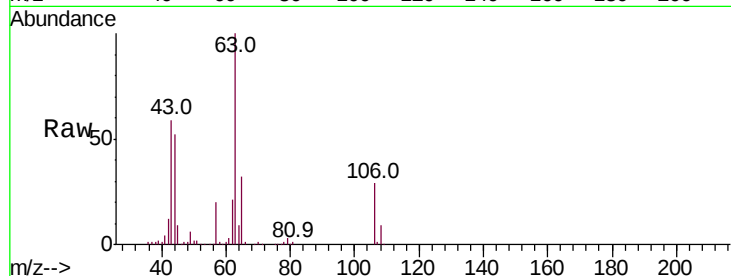
Tot Ion: 63 Resp: 303384

Ion Ratio Lower Upper

63 100

65 31.8 25.4 38.2

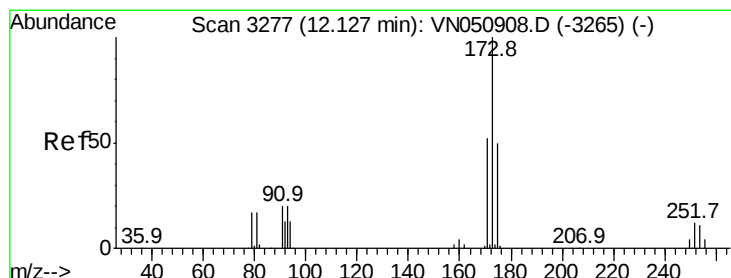
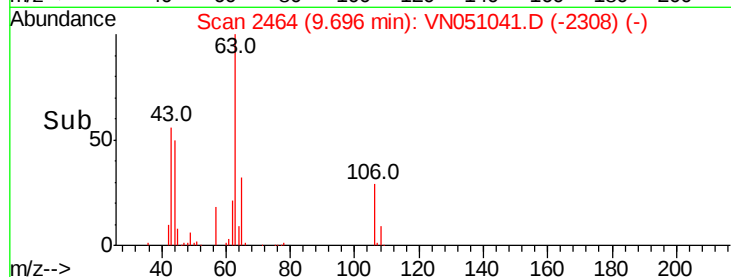
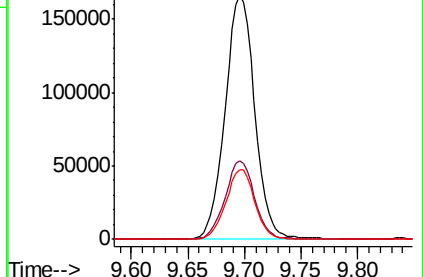
106 27.9 22.0 33.0



Abundance Ion 63.00 (62.70 to 63.70): VN050908.D (-2507) (-)

Ion 65.00 (64.70 to 65.70): VN050908.D (-2507) (-)

Ion 106.00 (105.70 to 106.70): VN050908.D (-2507) (-)



#56

Bromoform

Concen: 18.630 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

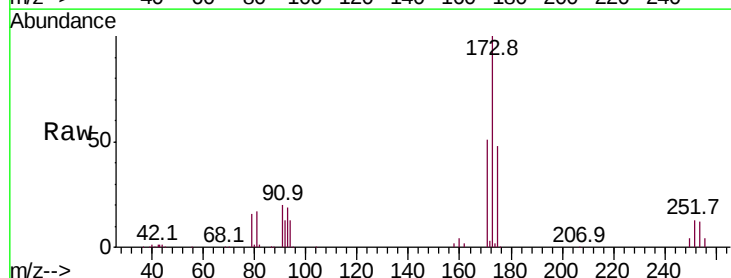
Tgt Ion: 173 Resp: 114145

Ion Ratio Lower Upper

173 100

175 49.0 39.2 58.8

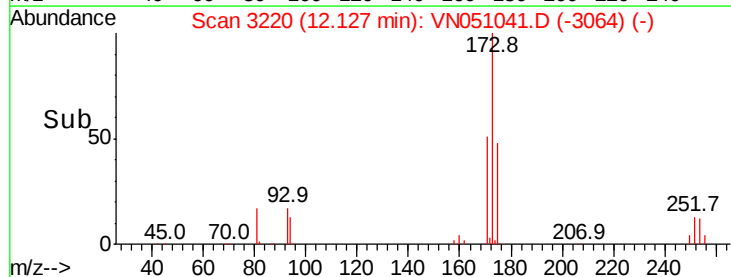
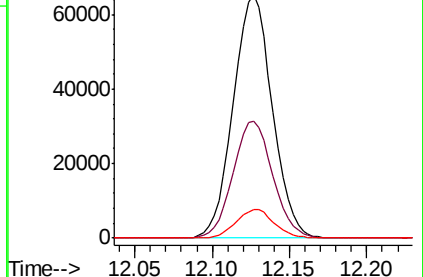
254 11.6 9.0 13.6

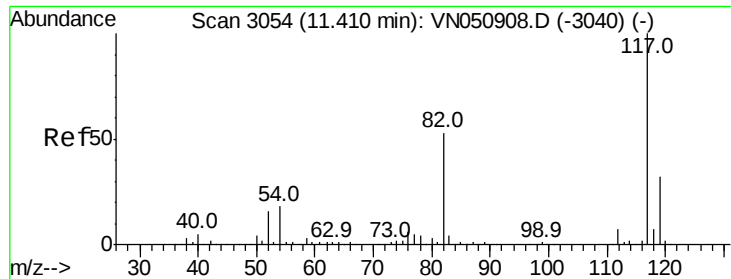


Abundance Ion 173.00 (172.70 to 173.70): VN050908.D (-3265) (-)

Ion 175.00 (174.70 to 175.70): VN050908.D (-3265) (-)

Ion 254.00 (253.70 to 254.70): VN050908.D (-3265) (-)

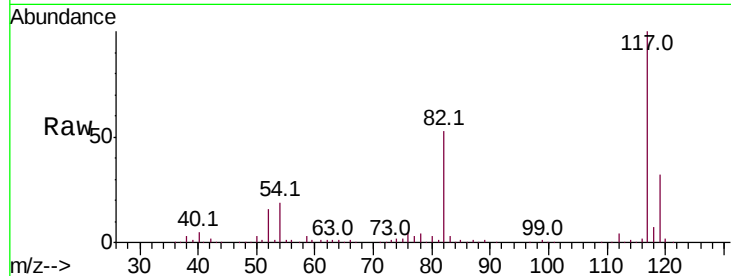




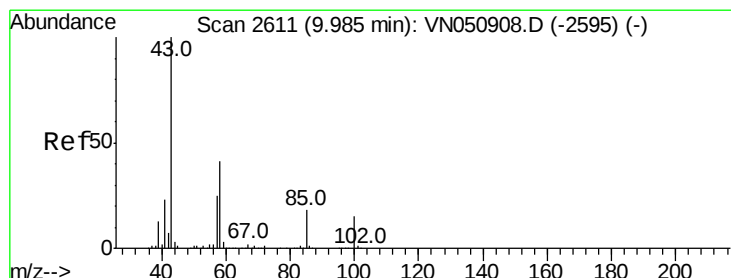
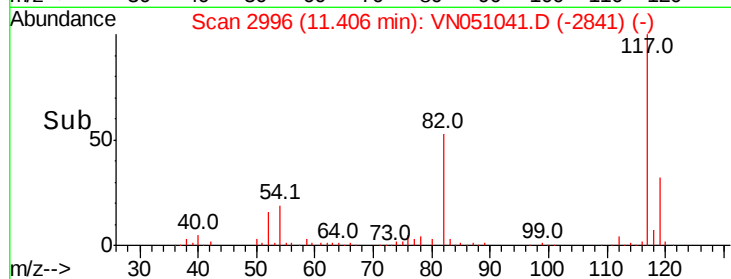
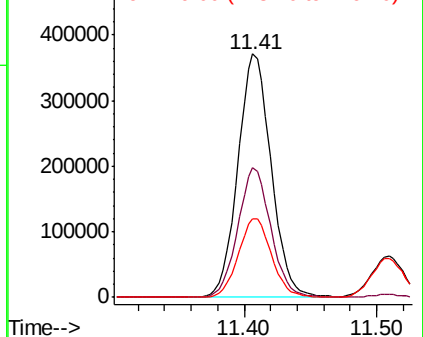
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:117 Resp: 645676
Ion Ratio Lower Upper
117 100
82 52.7 42.6 64.0
119 32.4 25.7 38.5

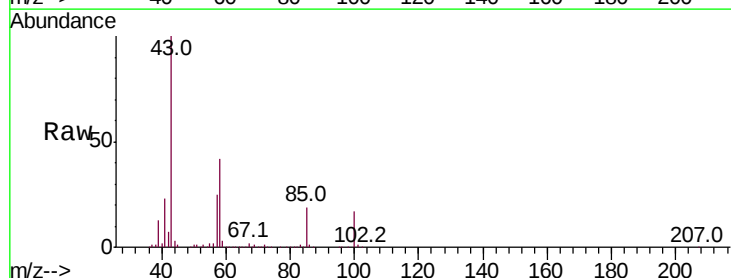


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

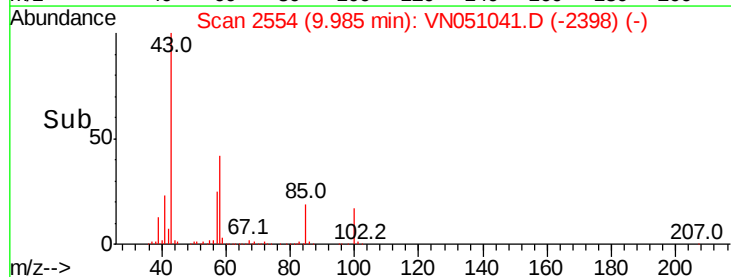
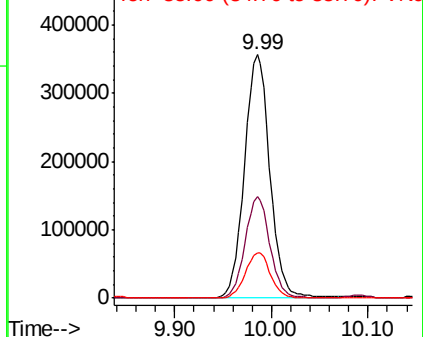


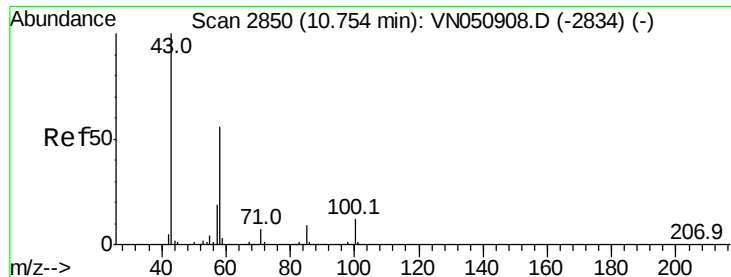
#58
4-Methyl-2-Pentanone
Concen: 87.732 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion: 43 Resp: 648128
Ion Ratio Lower Upper
43 100
58 40.7 32.3 48.5
85 18.5 14.9 22.3



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

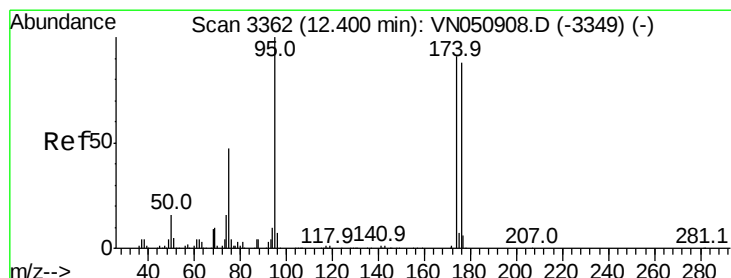
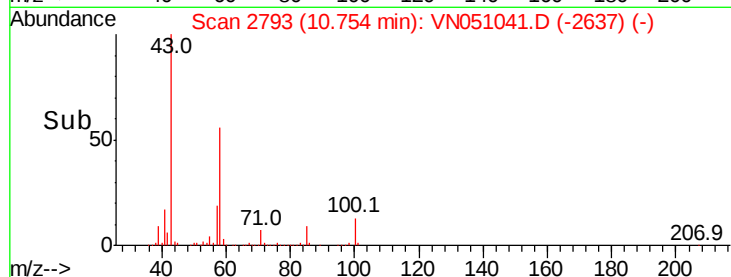
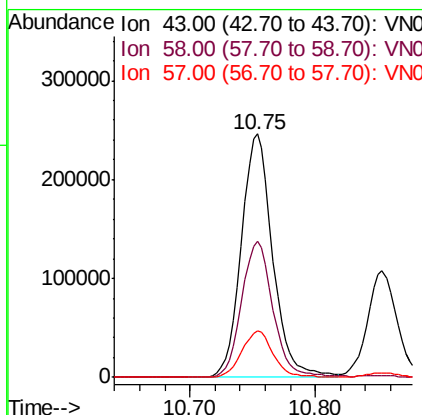
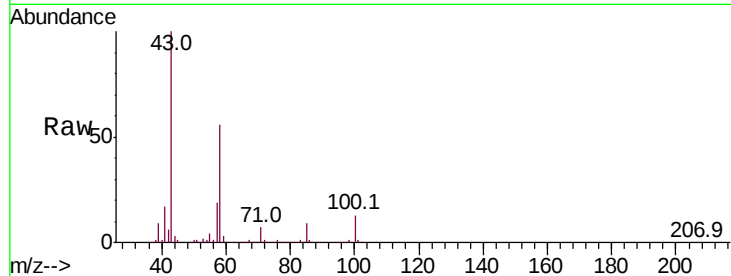




#59
2-Hexanone
Concen: 88.540 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

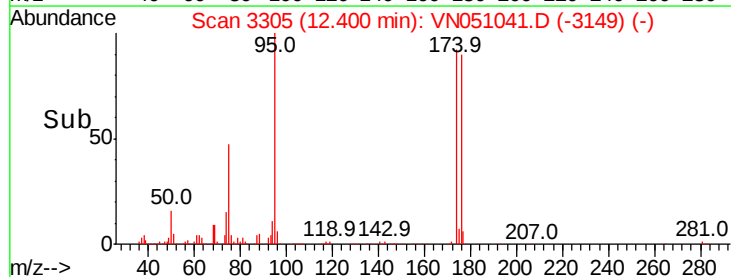
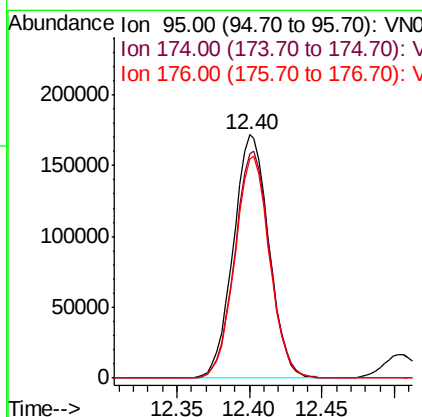
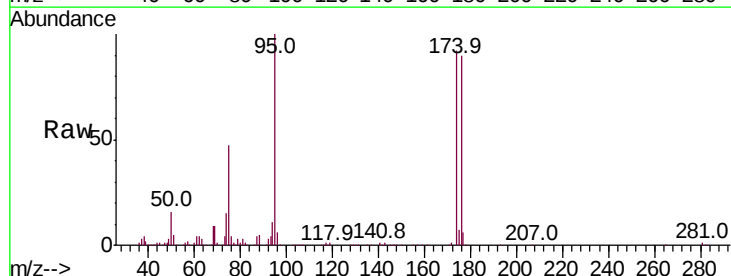
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

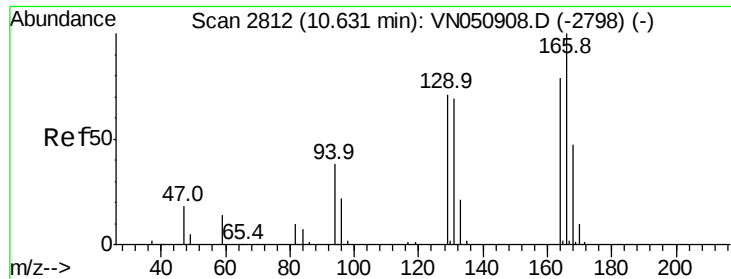
Tot Ion: 43 Resp: 427543
Ion Ratio Lower Upper
43 100
58 56.2 45.5 68.3
57 19.4 15.2 22.8



#60
4-Bromofluorobenzene
Concen: 30.406 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion: 95 Resp: 291943
Ion Ratio Lower Upper
95 100
174 92.4 74.6 112.0
176 89.3 71.5 107.3





#61

Tetrachloroethene

Concen: 18.207 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 146490

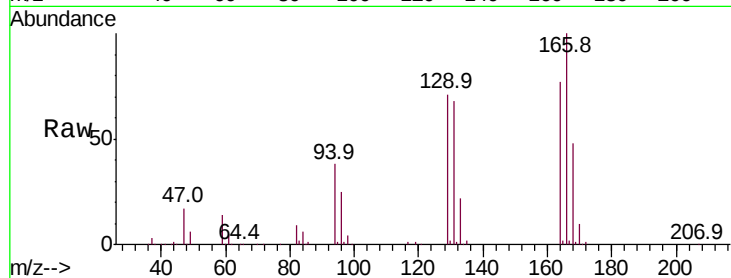
Ion Ratio Lower Upper

164 100

166 130.1 100.6 151.0

129 92.0 71.0 106.6

131 88.2 69.3 103.9

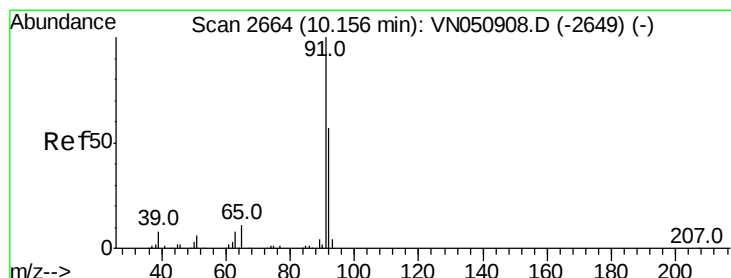
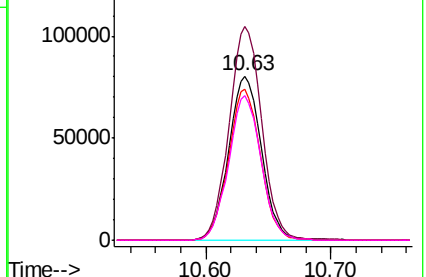
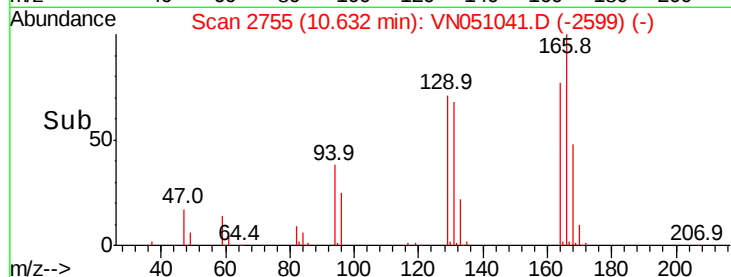


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.122 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051041.D

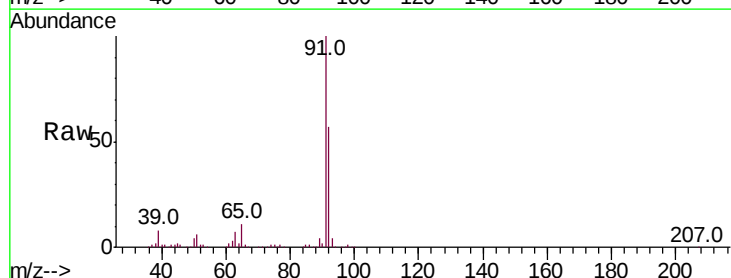
Acq: 7 Sep 2018 8:35

Tgt Ion: 91 Resp: 652799

Ion Ratio Lower Upper

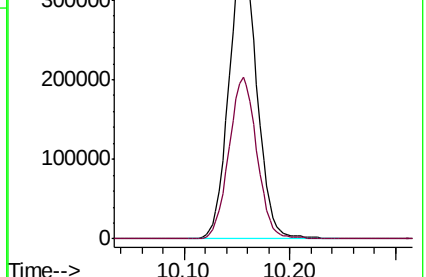
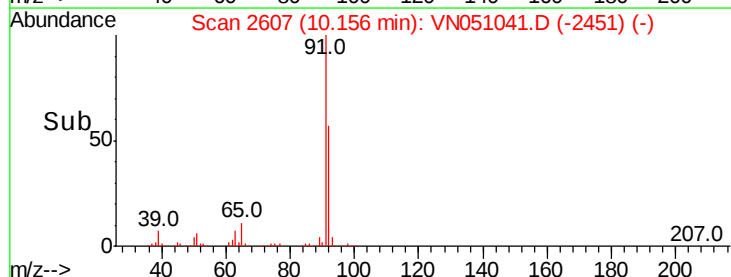
91 100

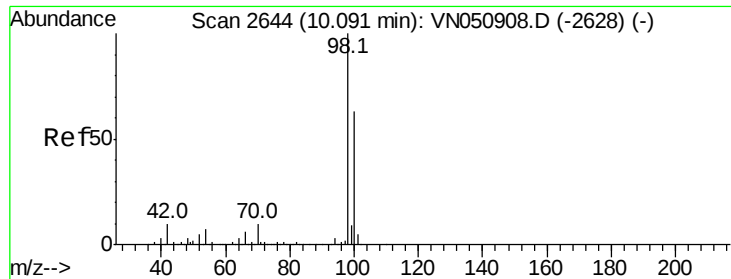
92 57.3 45.8 68.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.318 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

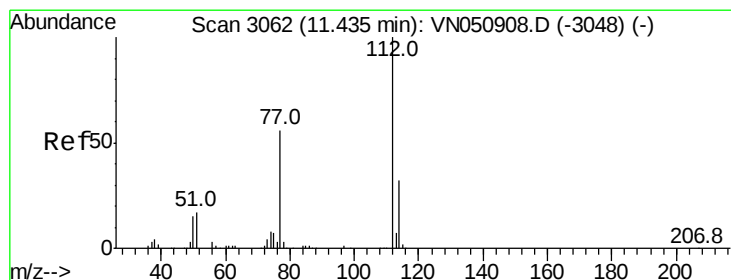
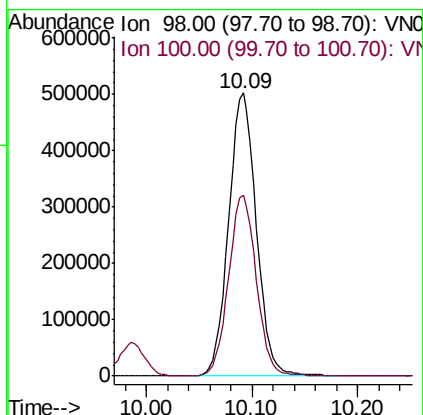
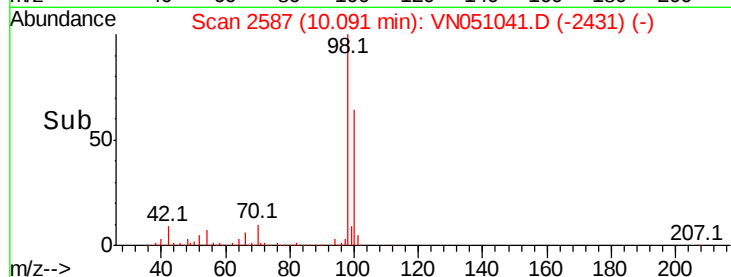
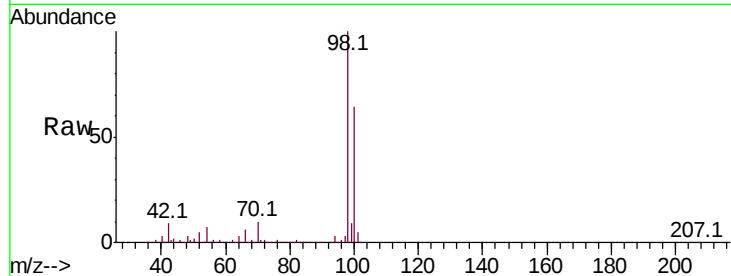
VSTDCCC020

Tot Ion: 98 Resp: 912885

Ion Ratio Lower Upper

98 100

100 64.0 50.6 75.8



#64

Chlorobenzene

Concen: 18.225 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051041.D

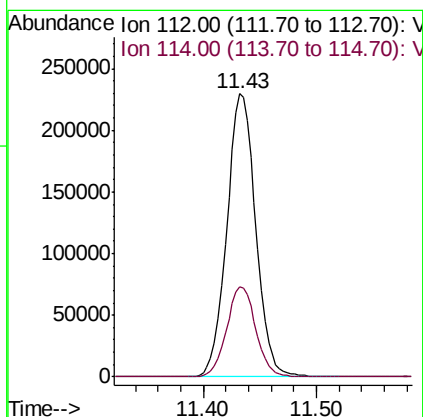
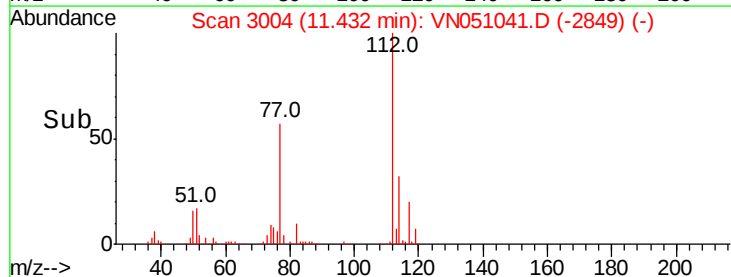
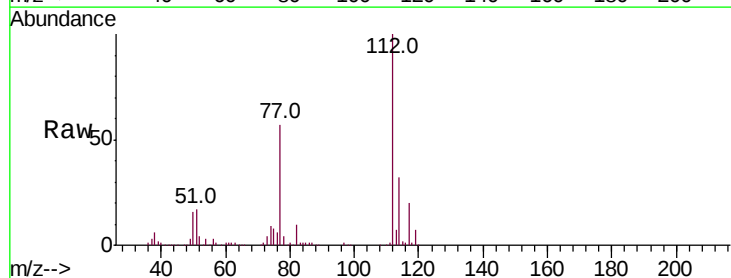
Acq: 7 Sep 2018 8:35

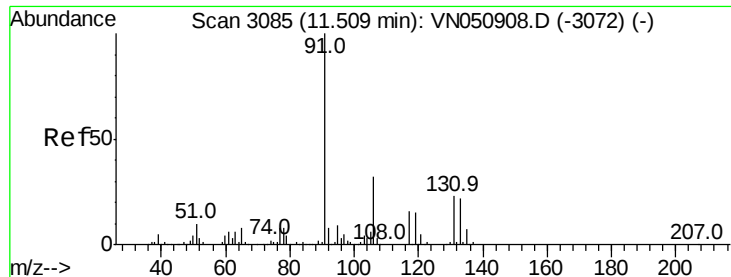
Tgt Ion: 112 Resp: 406869

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 18.592 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

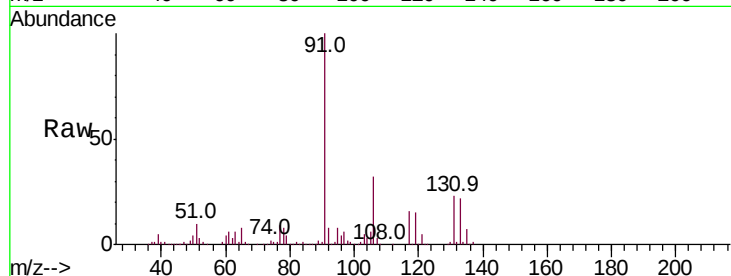
Tot Ion:131 Resp: 156716

Ion Ratio Lower Upper

131 100

133 94.9 0.0 189.4

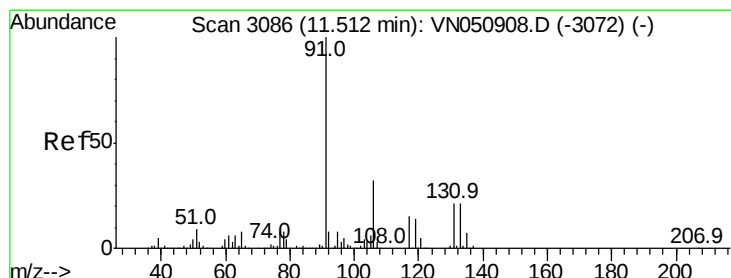
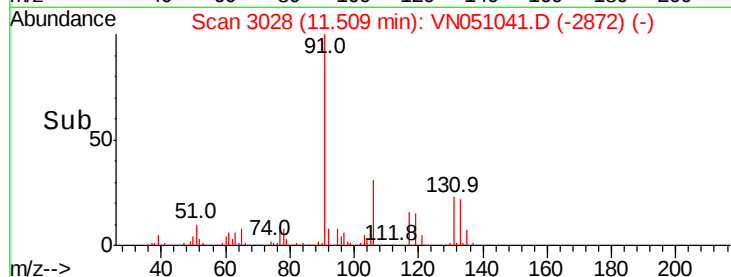
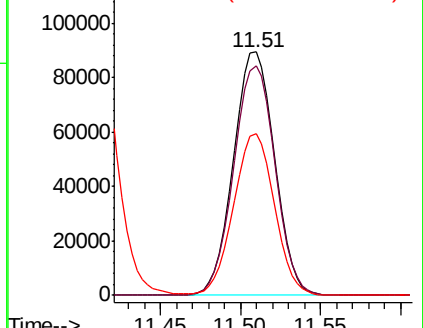
119 65.9 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 17.480 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051041.D

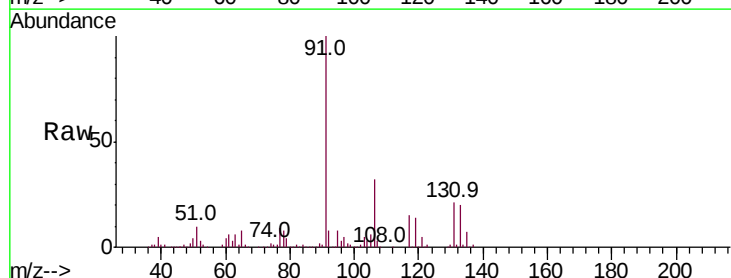
Acq: 7 Sep 2018 8:35

Tgt Ion: 91 Resp: 652204

Ion Ratio Lower Upper

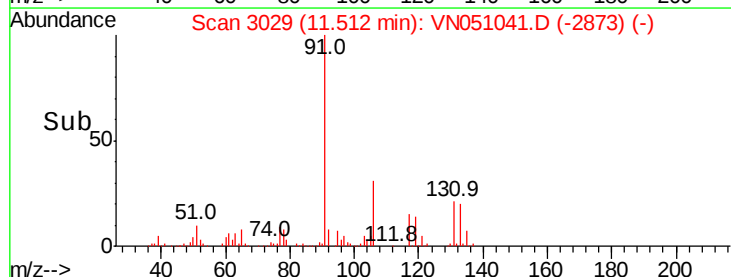
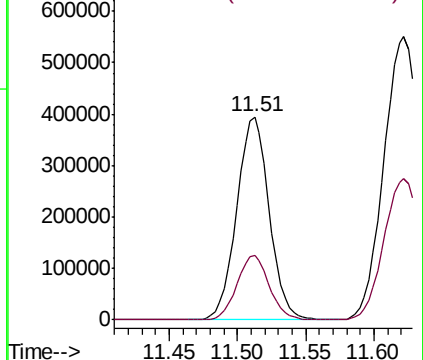
91 100

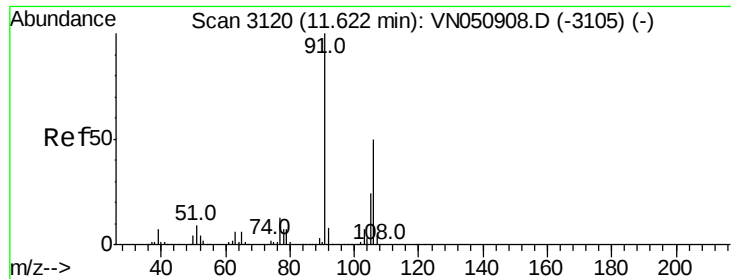
106 31.6 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

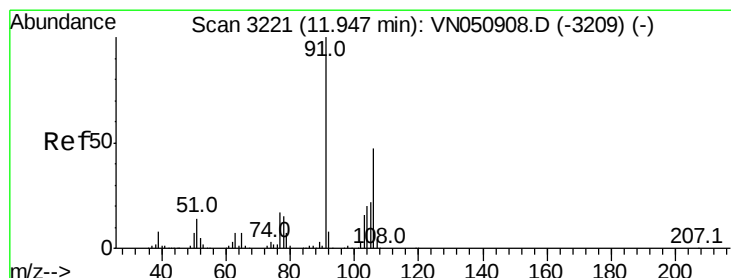
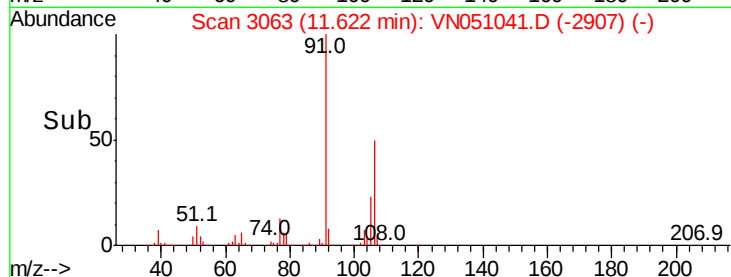
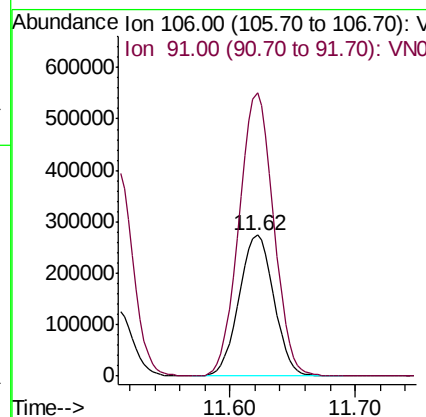
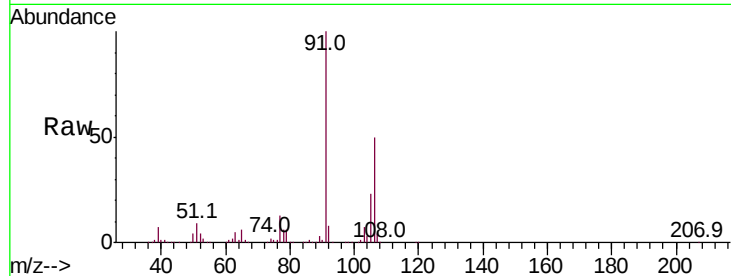




#67
m/p-Xylenes
Concen: 36.779 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

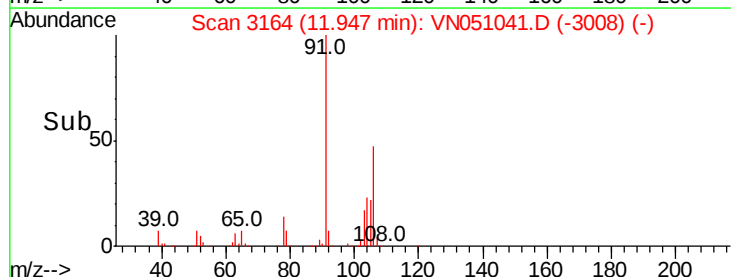
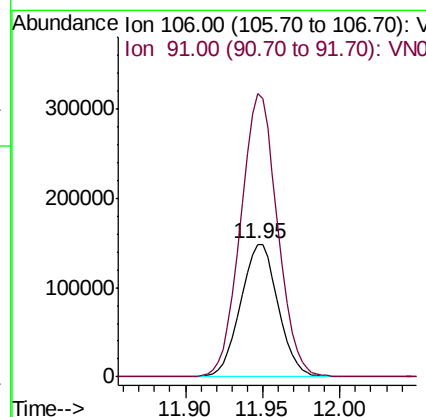
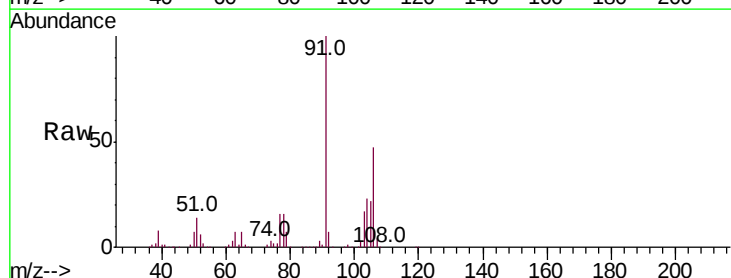
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

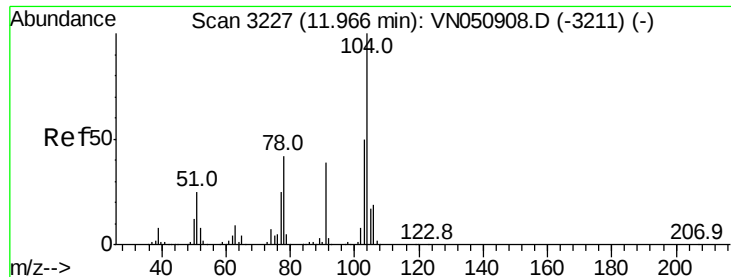
Tot Ion:106 Resp: 528002
Ion Ratio Lower Upper
106 100
91 199.6 160.6 241.0



#68
o-Xylene
Concen: 18.255 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion:106 Resp: 250416
Ion Ratio Lower Upper
106 100
91 209.8 106.4 319.2

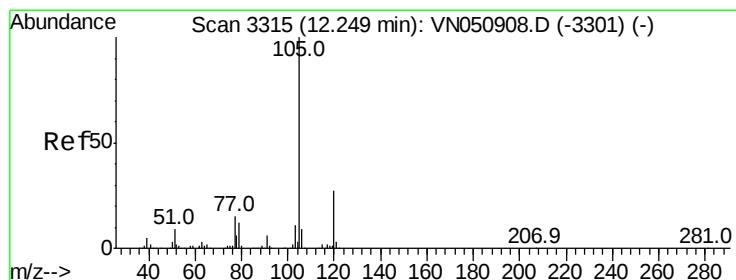
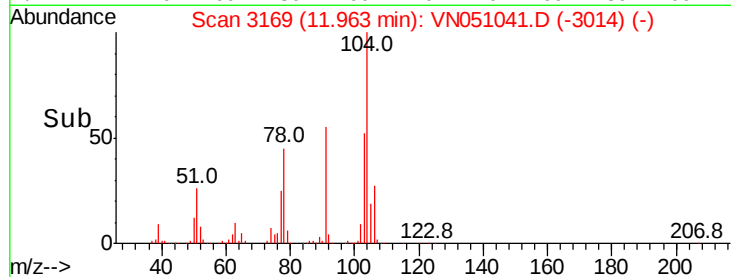
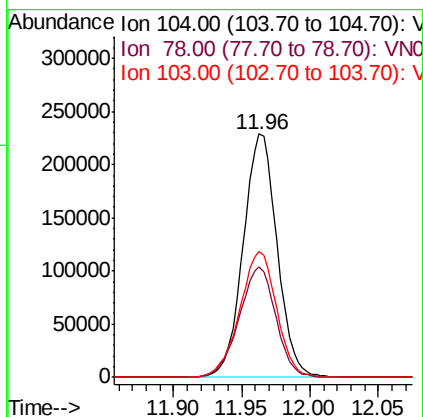
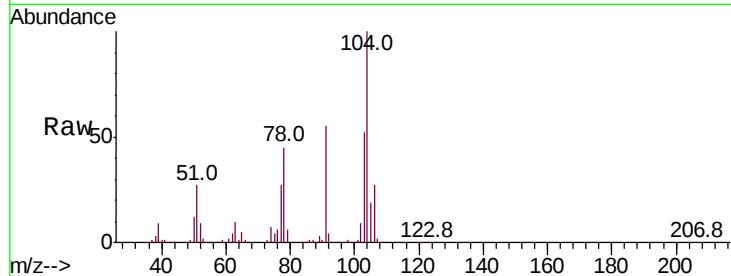




#69
Stvrene
Concen: 18.119 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

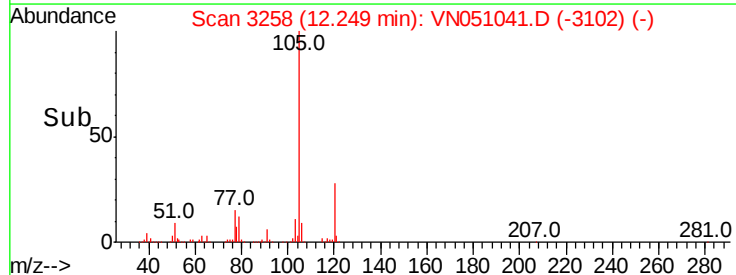
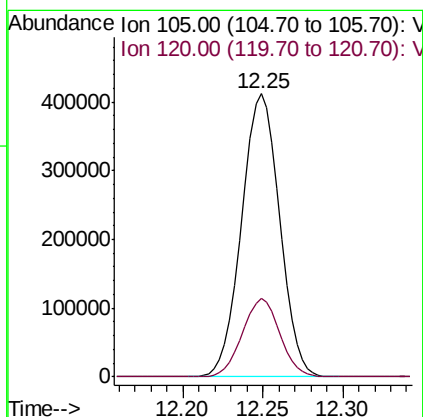
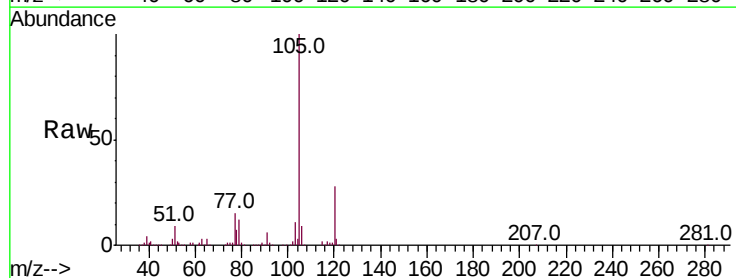
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

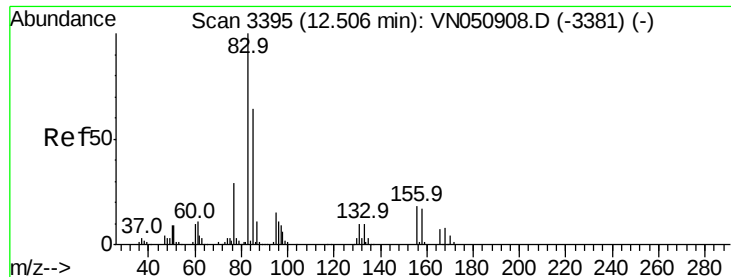
Tot Ion:104 Resp: 395179
Ion Ratio Lower Upper
104 100
78 49.2 38.6 58.0
103 56.3 45.4 68.2



#70
Isopropylbenzene
Concen: 18.286 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion:105 Resp: 666529
Ion Ratio Lower Upper
105 100
120 27.3 18.6 34.6

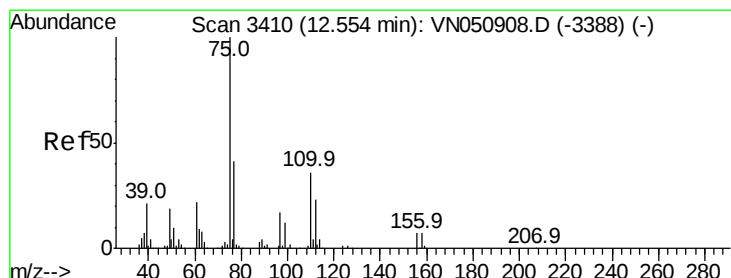
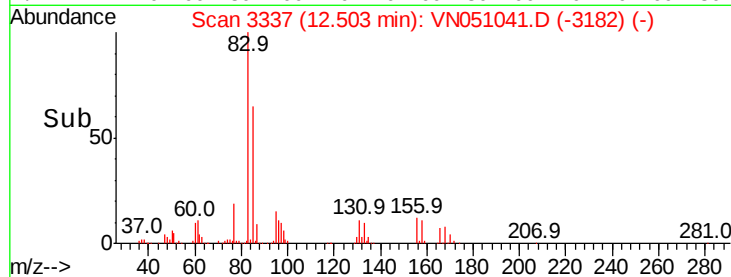
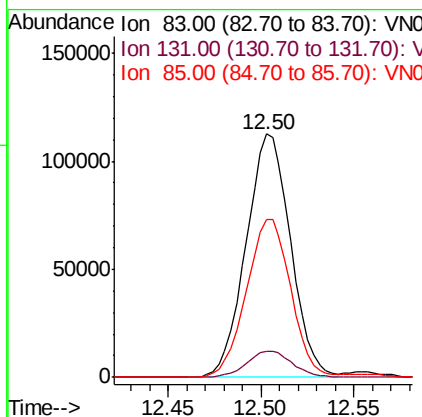
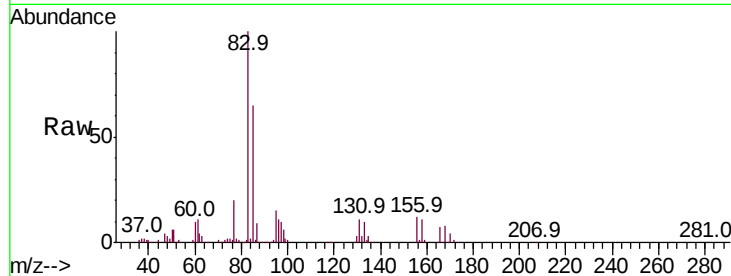




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.021 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

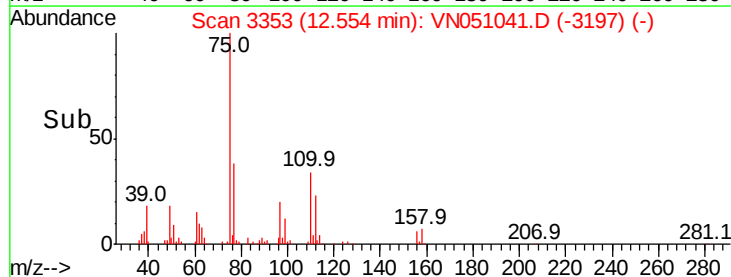
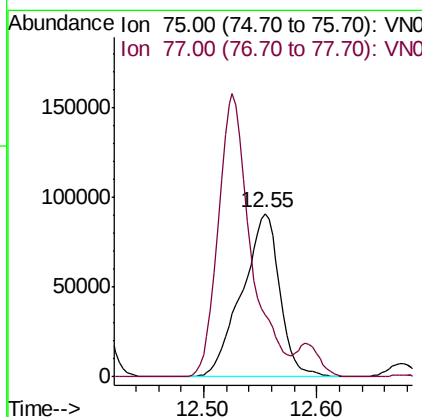
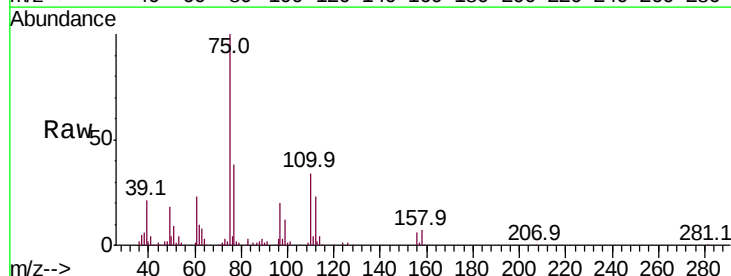
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

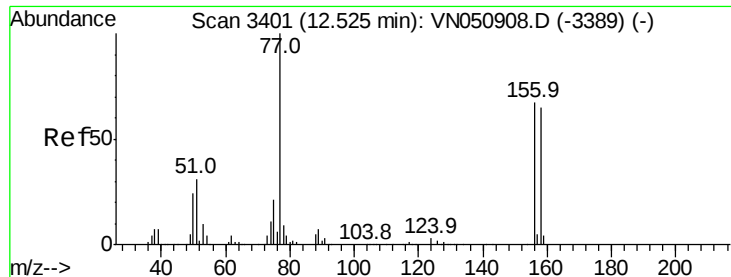
Tot Ion	83	Resp	187719
Ion Ratio	100	Lower	Upper
131	11.2	5.3	15.9
85	64.9	32.3	96.9



#72
 1,2,3-Trichloropropane
 Concen: 24.914 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion	75	Resp	212125
Ion Ratio	100	Lower	Upper
77	148.8	0.0	301.6





#73

Bromobenzene

Concen: 18.292 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

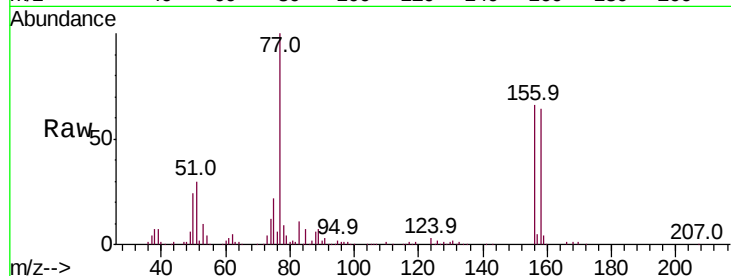
Tot Ion:156 Resp: 175426

Ion Ratio Lower Upper

156 100

77 179.9 0.0 359.4

158 97.8 0.0 194.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V

200000

150000

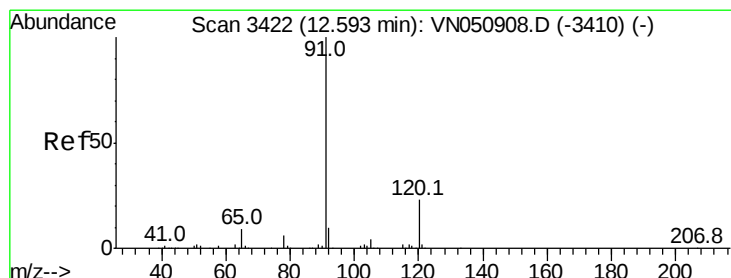
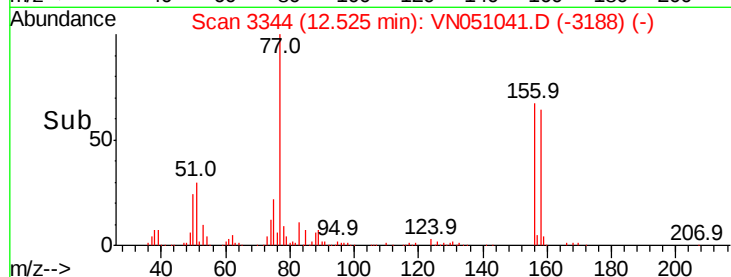
100000

50000

0

12.45 12.50 12.55 12.60

Time-->



#74

n-propylbenzene

Concen: 18.416 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051041.D

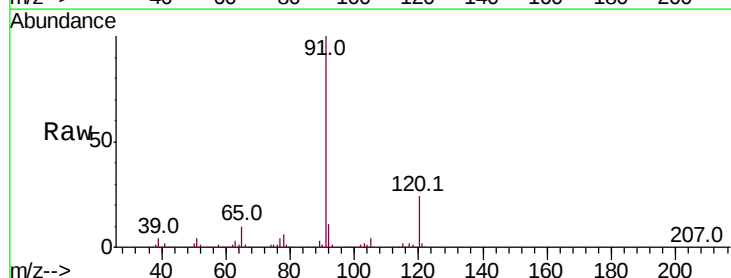
Acq: 7 Sep 2018 8:35

Tgt Ion: 91 Resp: 758945

Ion Ratio Lower Upper

91 100

120 23.4 0.0 46.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

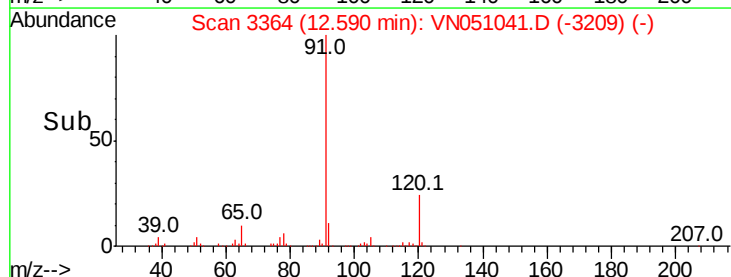
200000

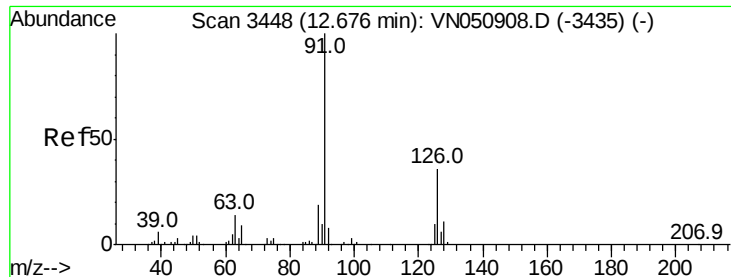
100000

0

12.55 12.60 12.65

Time-->





#75

2-Chlorotoluene

Concen: 18.550 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

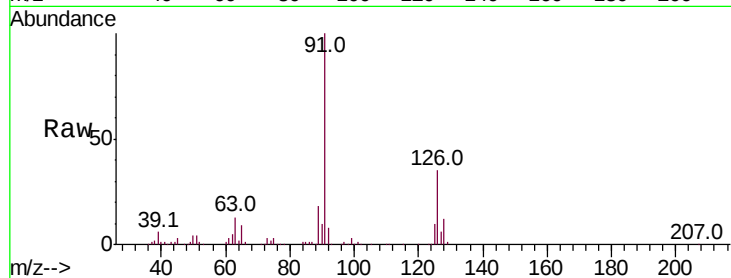
VSTDCCC020

Tot Ion: 91 Resp: 464405

Ion Ratio Lower Upper

91 100

126 35.7 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN050908.D (-3435) (-)

Ion 126.00 (125.70 to 126.70): VN050908.D (-3435) (-)

400000

300000

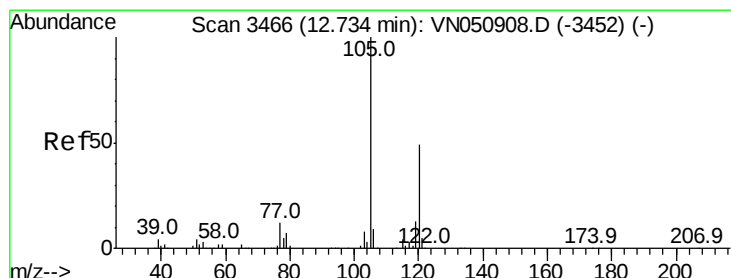
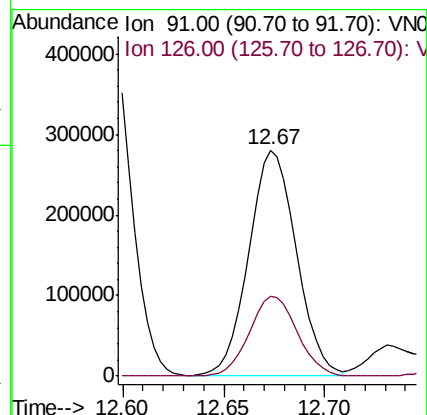
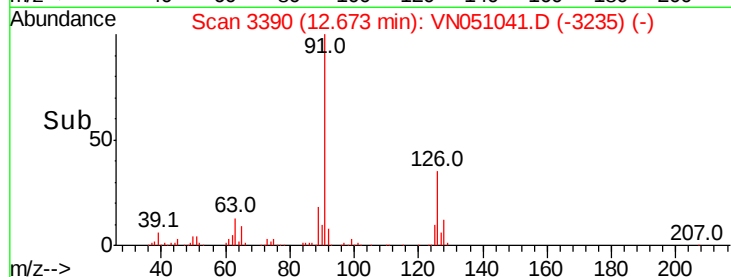
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 18.838 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051041.D

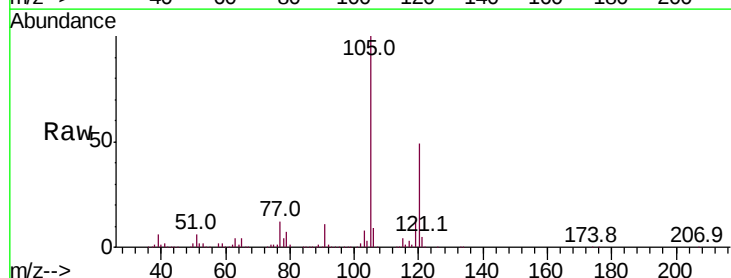
Acq: 7 Sep 2018 8:35

Tgt Ion:105 Resp: 561147

Ion Ratio Lower Upper

105 100

120 49.2 0.0 99.6



Abundance Ion 105.00 (104.70 to 105.70): VN050908.D (-3452) (-)

Ion 120.00 (119.70 to 120.70): VN050908.D (-3452) (-)

400000

300000

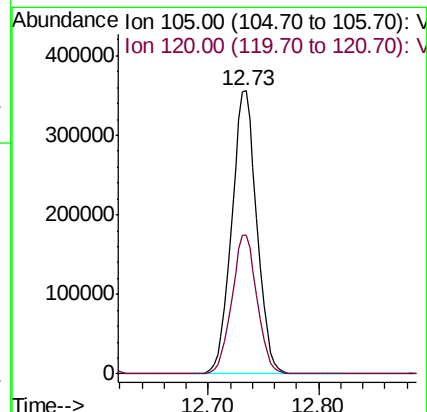
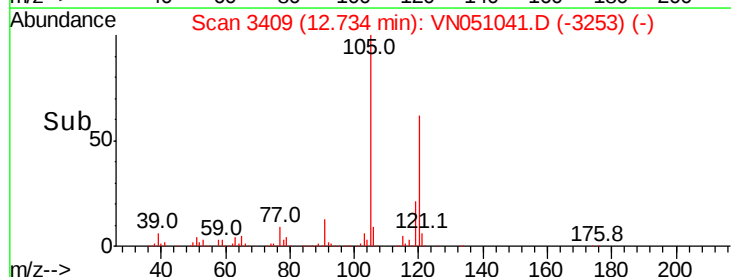
200000

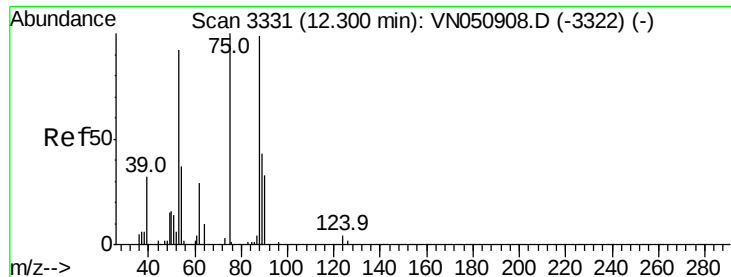
100000

0

12.70 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 17.239 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

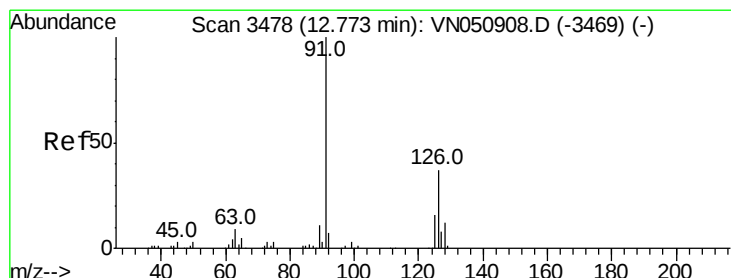
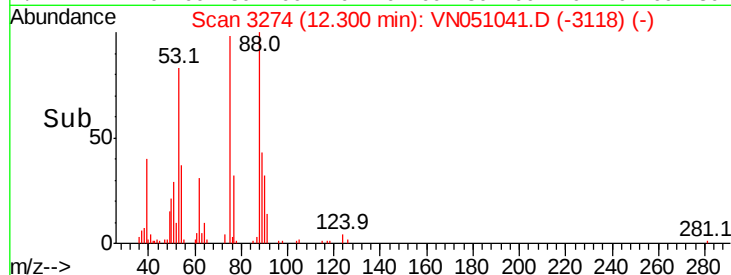
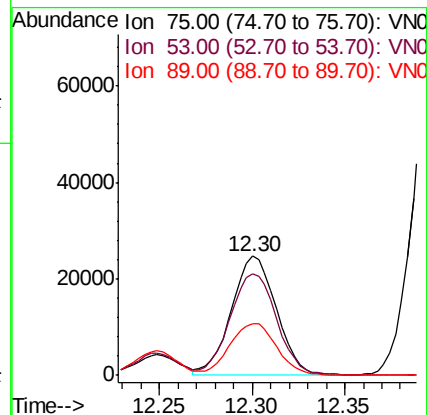
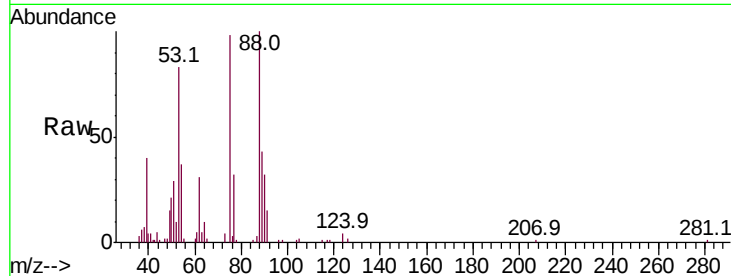
Tot Ion: 75 Resp: 41817

Ion Ratio Lower Upper

75 100

53 84.4 45.5 136.4

89 43.9 21.9 65.8



#78

4-Chlorotoluene

Concen: 18.536 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051041.D

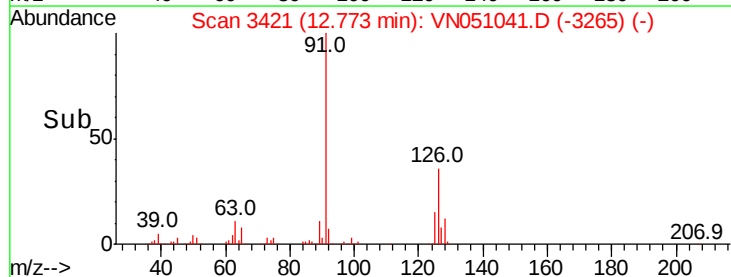
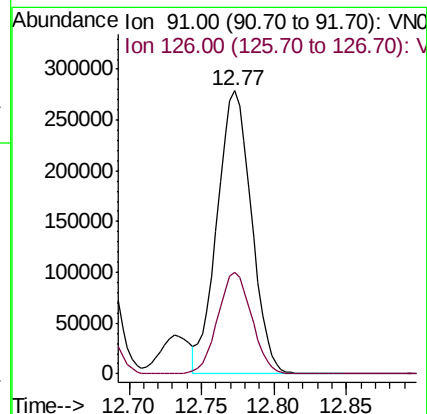
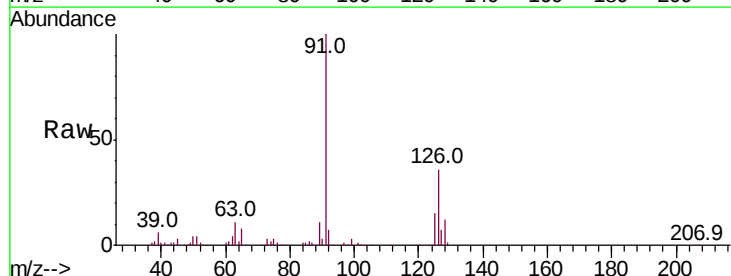
Acq: 7 Sep 2018 8:35

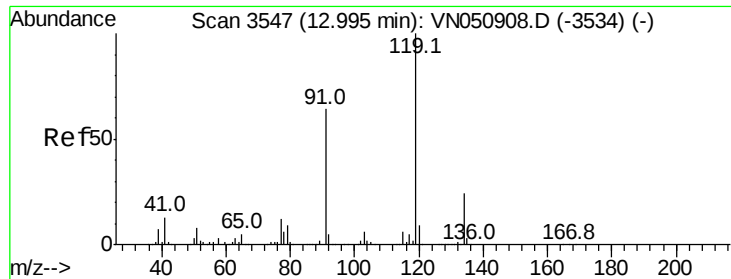
Tgt Ion: 91 Resp: 456930

Ion Ratio Lower Upper

91 100

126 35.5 0.0 69.8

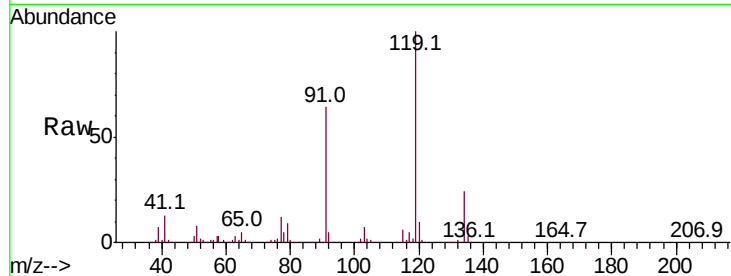




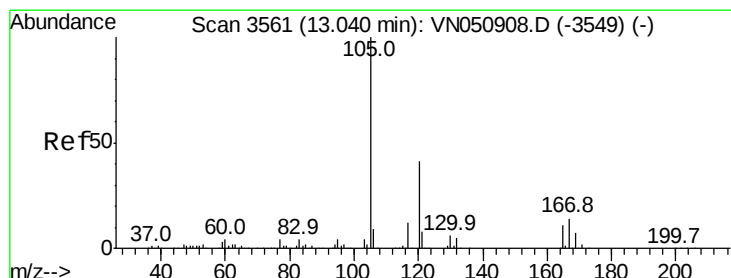
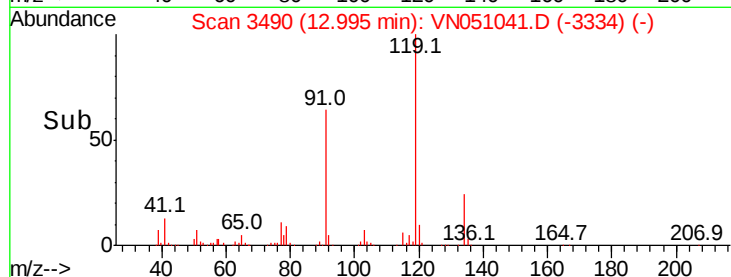
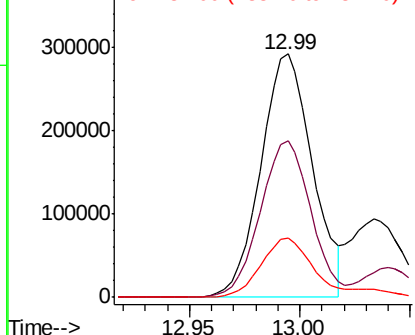
#79
tert-butylbenzene
Concen: 18.362 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:119 Resp: 475018
Ion Ratio Lower Upper
119 100
91 63.1 0.0 125.6
134 24.2 0.0 48.4

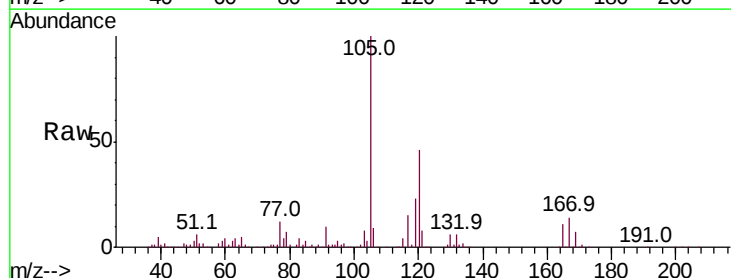


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

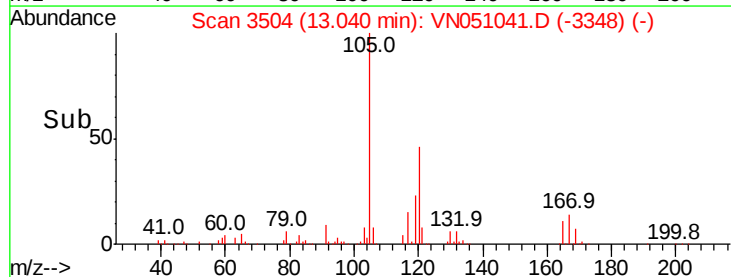
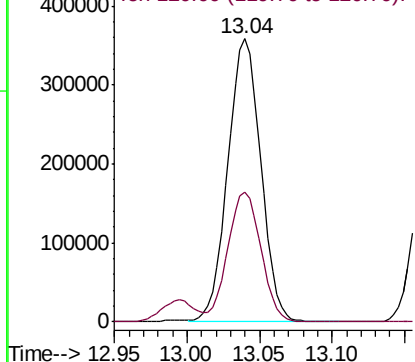


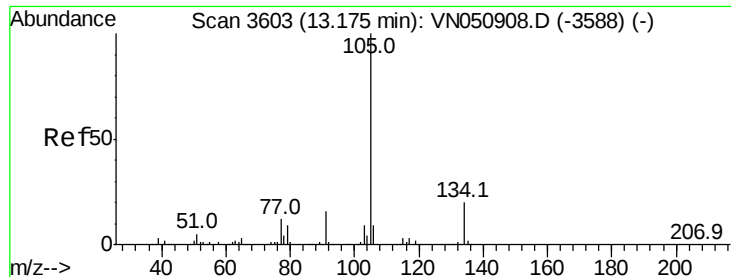
#80
1,2,4-Trimethylbenzene
Concen: 19.086 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion:105 Resp: 566815
Ion Ratio Lower Upper
105 100
120 46.3 0.0 93.6



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





#81

sec-Butylbenzene

Concen: 18.966 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

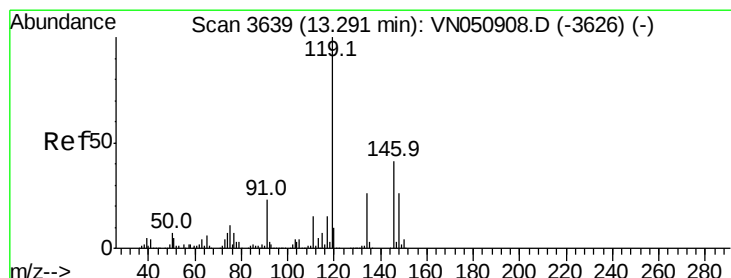
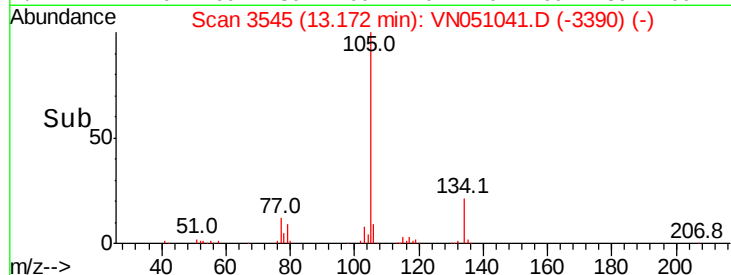
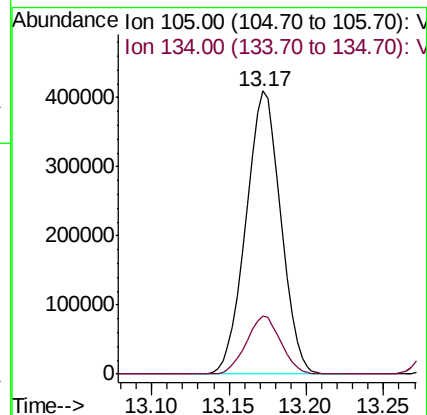
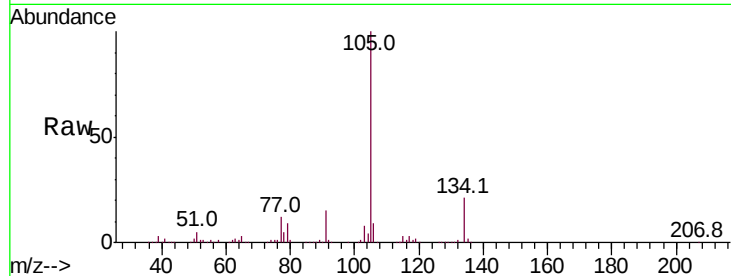
VSTDCCC020

Tot Ion:105 Resp: 641941

Ion Ratio Lower Upper

105 100

134 20.4 0.0 40.8



#82

p-Isopropyltoluene

Concen: 18.755 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

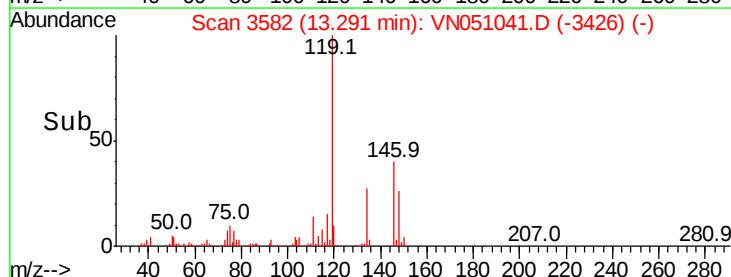
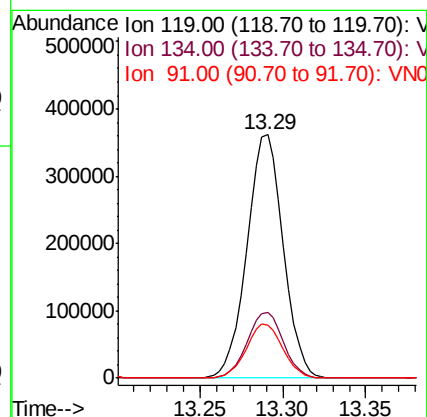
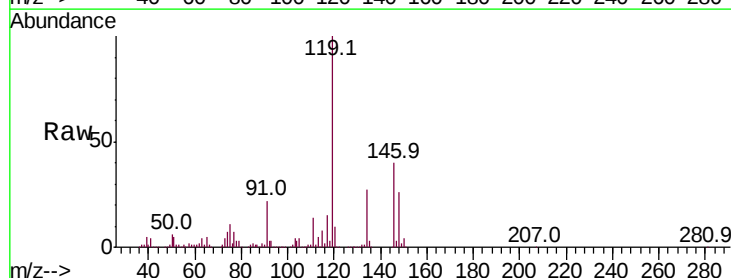
Tgt Ion:119 Resp: 547947

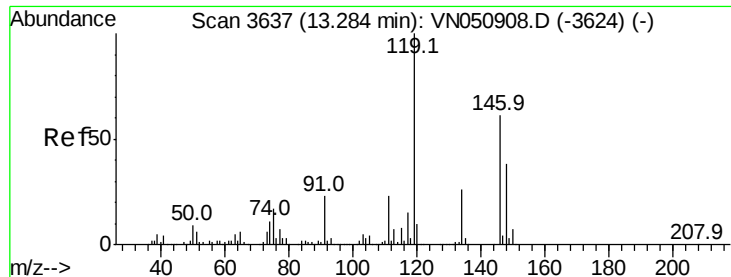
Ion Ratio Lower Upper

119 100

134 27.0 0.0 53.2

91 22.3 0.0 46.0

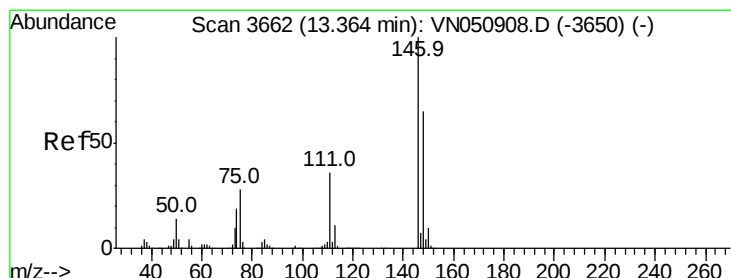
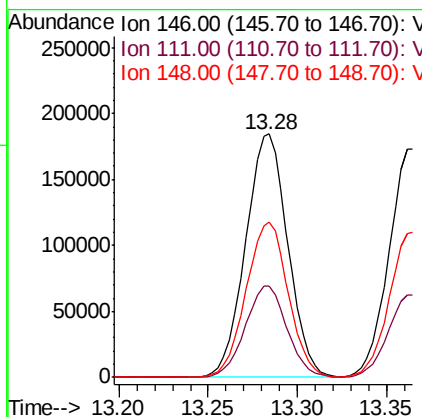
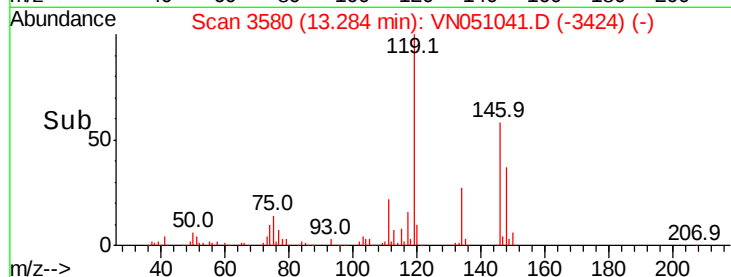
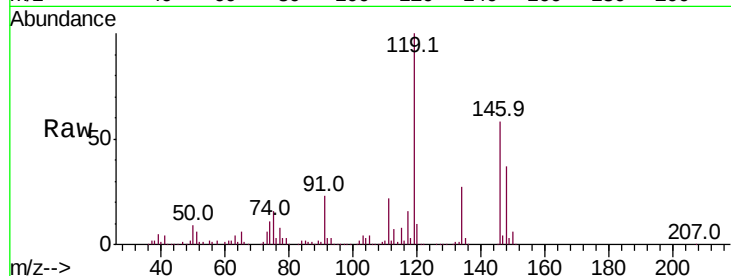




#83
 1,3-Dichlorobenzene
 Concen: 18.811 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

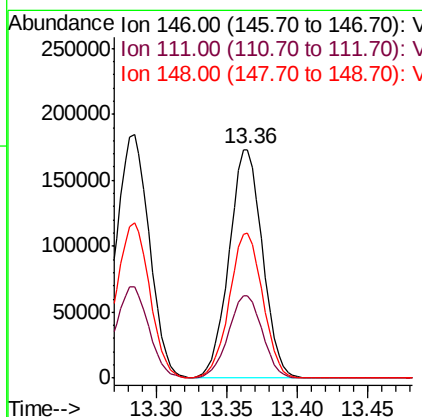
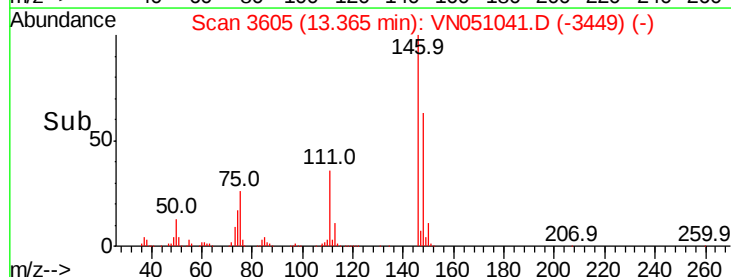
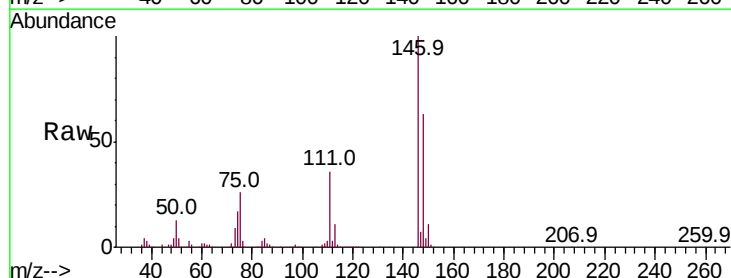
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

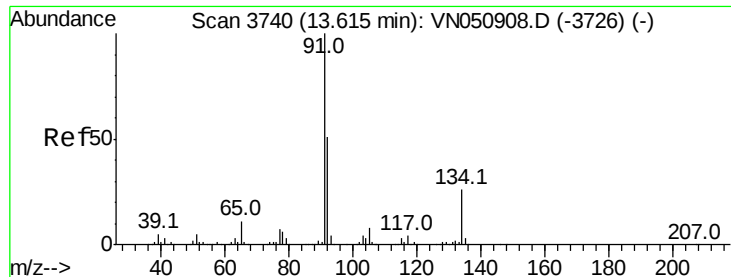
Tot Ion:146 Resp: 305006
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.6 55.6
 148 63.6 31.8 95.3



#84
 1,4-Dichlorobenzene
 Concen: 18.736 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion:146 Resp: 287845
 Ion Ratio Lower Upper
 146 100
 111 36.4 17.7 53.1
 148 63.2 31.6 94.8

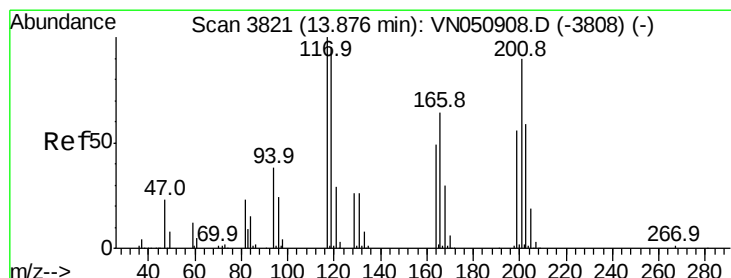
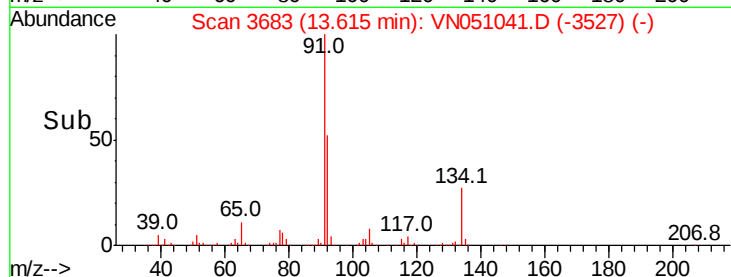
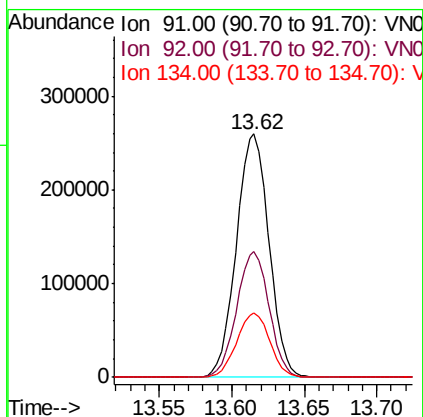
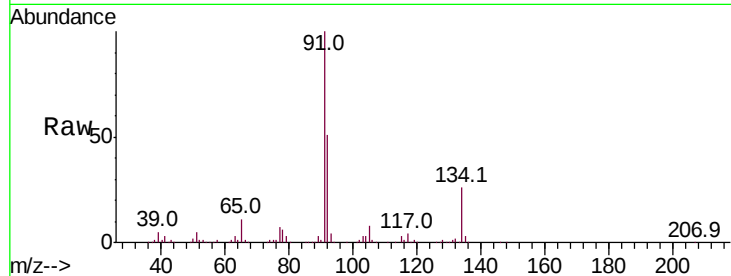




#85
n-Butylbenzene
Concen: 18.190 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

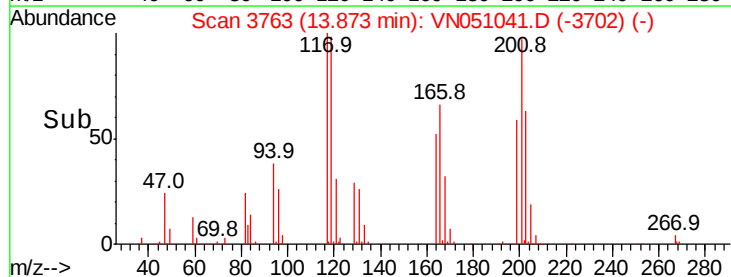
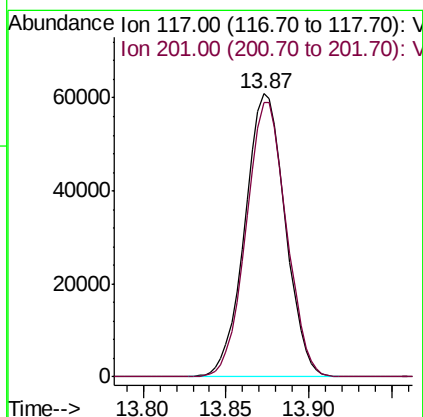
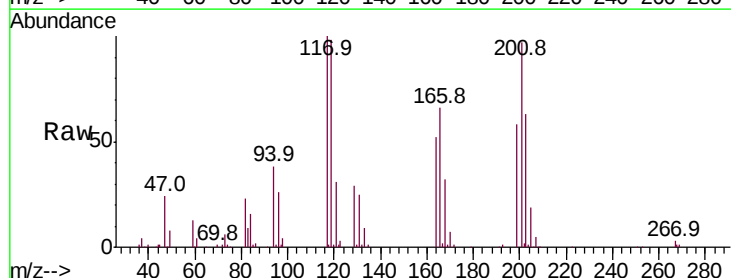
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

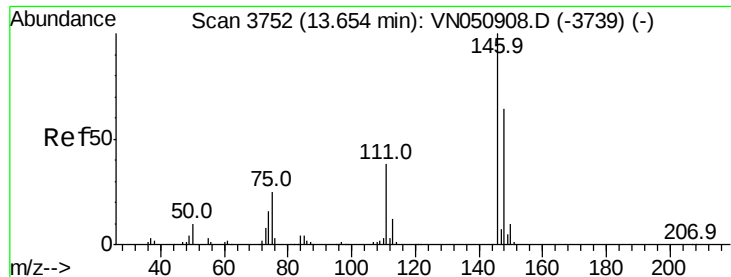
Tot Ion: 91 Resp: 405505
Ion Ratio Lower Upper
91 100
92 51.1 0.0 101.8
134 26.7 0.0 52.2



#86
Hexachloroethane
Concen: 18.373 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051041.D
Acq: 7 Sep 2018 8:35

Tgt Ion: 117 Resp: 103033
Ion Ratio Lower Upper
117 100
201 96.4 45.8 137.4





#87

1,2-Dichlorobenzene

Concen: 18.956 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

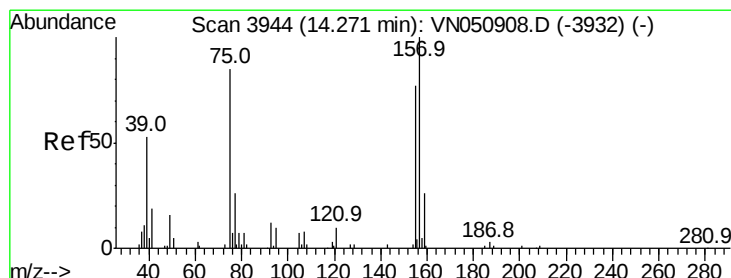
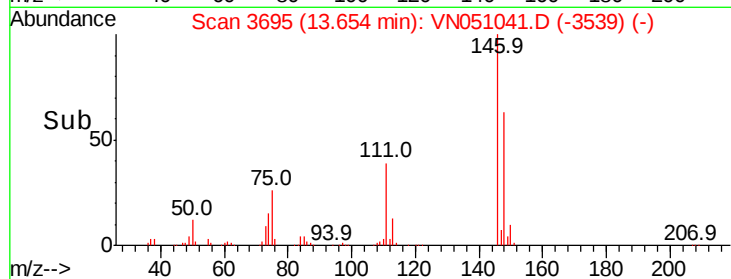
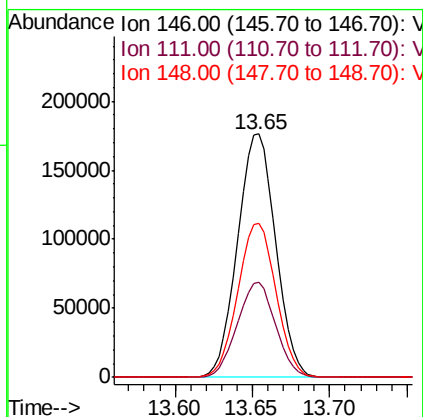
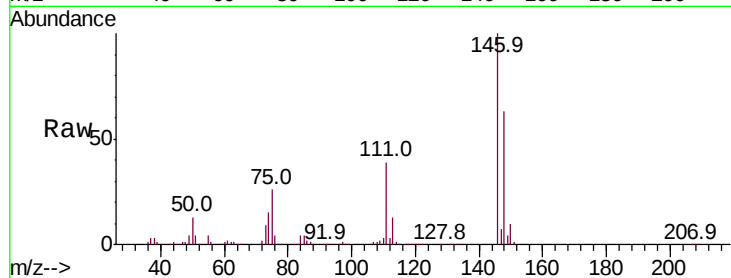
Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:146 Resp: 302531

Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.1	57.1
148	63.3	31.9	95.9



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.540 ug/l

RT: 14.27 min Scan# 3887

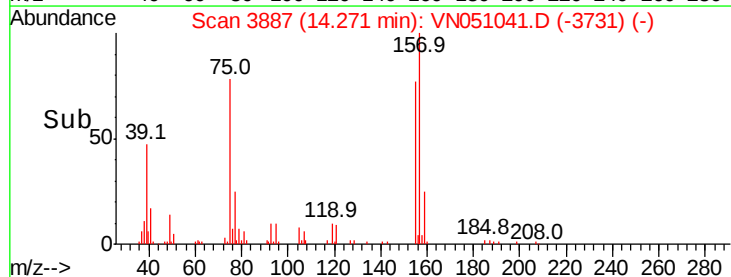
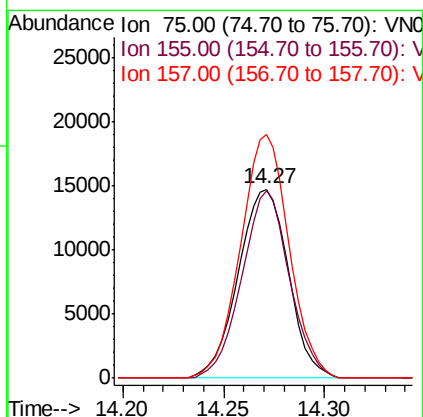
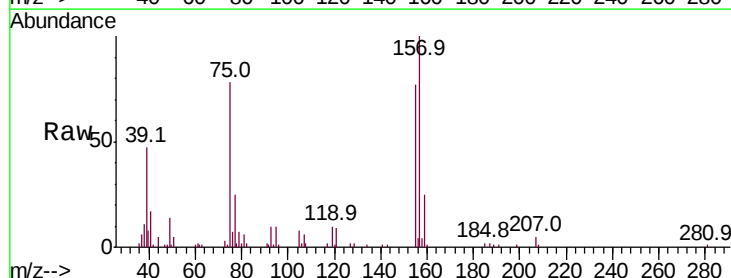
Delta R.T. 0.00 min

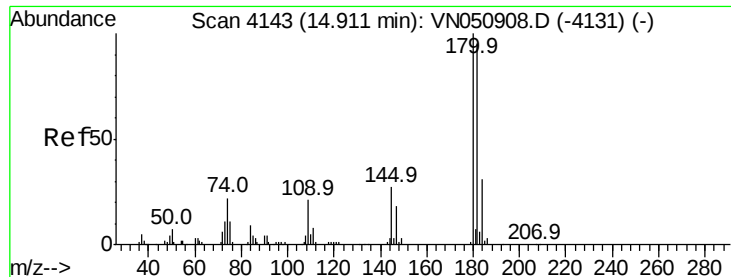
Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Tgt Ion: 75 Resp: 25598

Ion	Ratio	Lower	Upper
75	100		
155	94.0	71.8	107.6
157	124.8	91.1	136.7

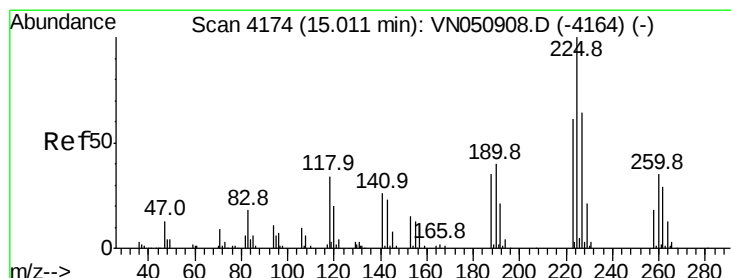
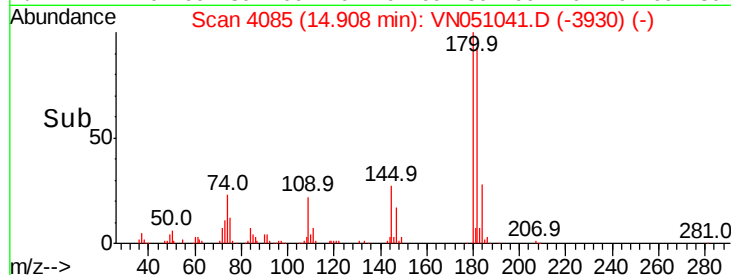
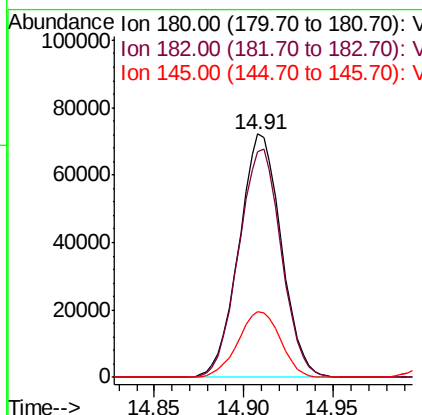
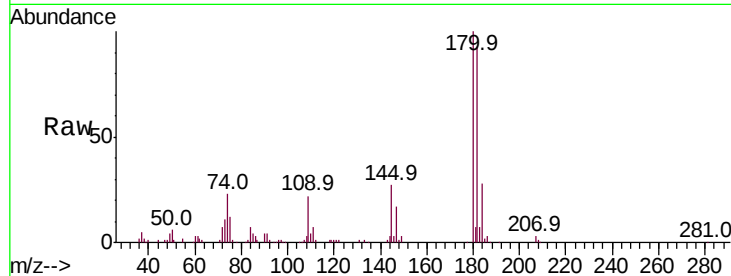




#89
 1,2,4-Trichlorobenzene
 Concen: 16.746 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

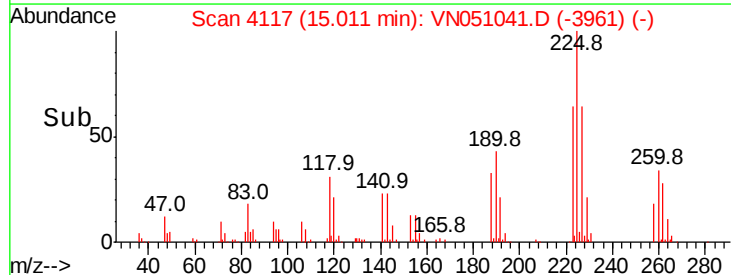
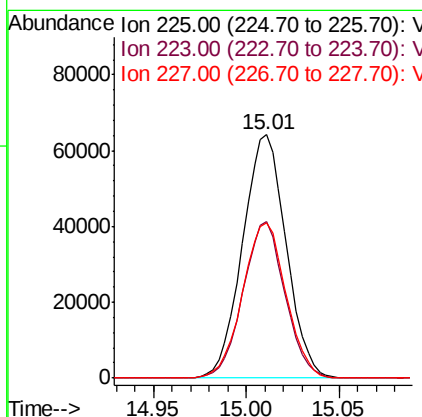
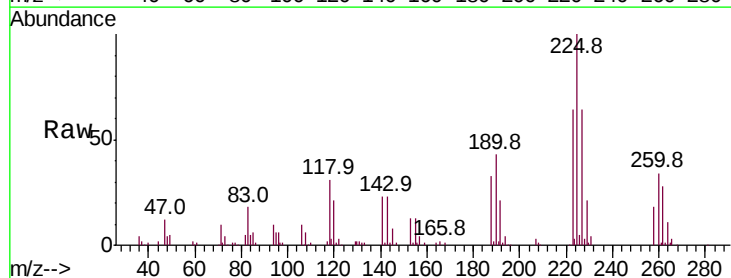
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

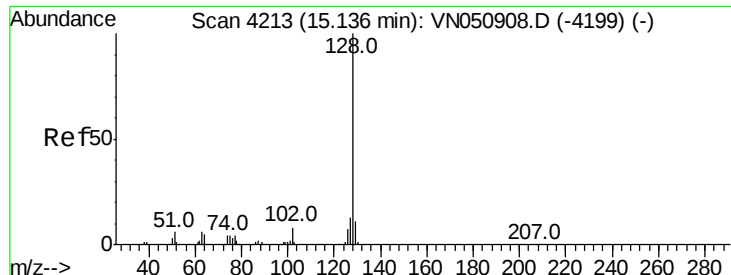
Tot Ion:180 Resp: 118979
 Ion Ratio Lower Upper
 180 100
 182 94.6 76.2 114.4
 145 27.3 22.2 33.4



#90
 Hexachlorobutadiene
 Concen: 21.638 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051041.D
 Acq: 7 Sep 2018 8:35

Tgt Ion:225 Resp: 104452
 Ion Ratio Lower Upper
 225 100
 223 62.0 0.0 127.8
 227 63.5 0.0 128.4





#91

Naphthalene

Concen: 18.302 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

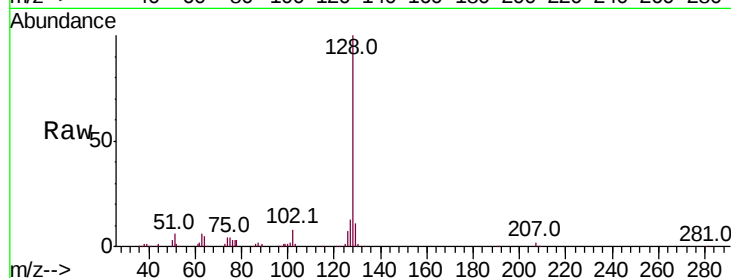
Tot Ion:128 Resp: 215979

Ion Ratio Lower Upper

128 100

127 13.2 10.6 16.0

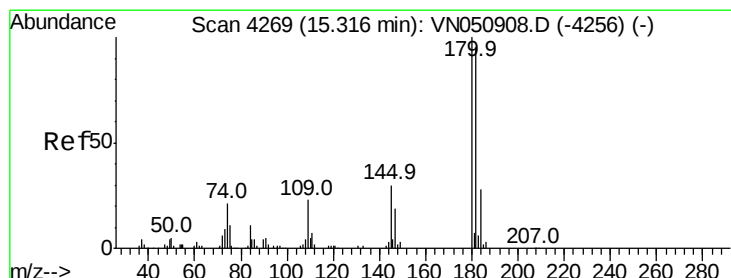
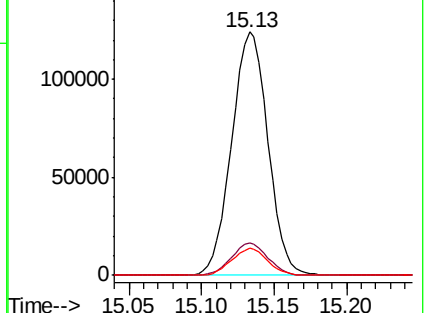
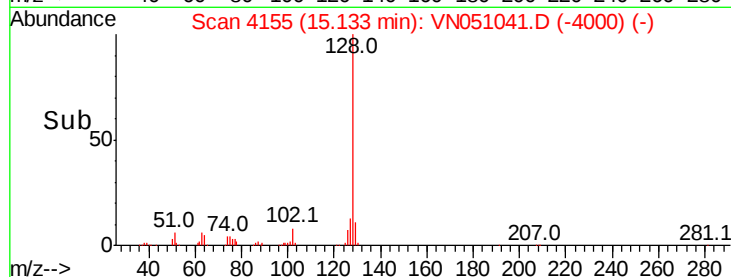
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 16.845 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051041.D

Acq: 7 Sep 2018 8:35

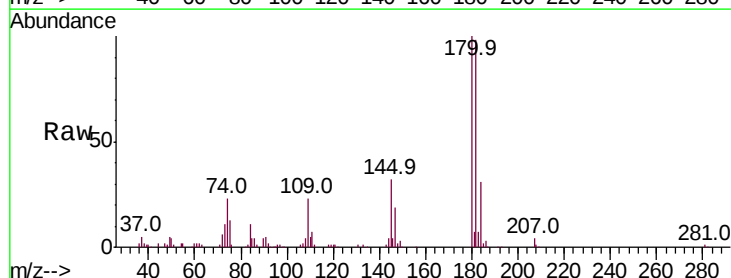
Tgt Ion:180 Resp: 120096

Ion Ratio Lower Upper

180 100

182 97.3 0.0 192.8

145 30.2 0.0 60.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

