

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051626.D
 Acq On : 1 Oct 2018 10:18
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : Sample
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Oct 02 00:58:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	107390	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	577512	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	495900	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	226917	30.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.17%
60) 4-Bromofluorobenzene	12.40	95	227074	29.78	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.27%
63) Toluene-d8	10.09	98	719846	30.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.57%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	195277	20.720	ug/l 100
3) Chloromethane	2.06	50	206570	19.587	ug/l 98
4) Vinyl Chloride	2.19	62	192879	18.643	ug/l 97
5) Bromomethane	2.57	94	98837	18.391	ug/l 98
6) Chloroethane	2.71	64	98800	19.036	ug/l 97
7) Trichlorofluoromethane	3.02	101	247933	19.614	ug/l 99
8) Diethyl Ether	3.41	74	75458	19.005	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	151452	21.196	ug/l 98
10) 1,1-Dichloroethene	3.74	96	128583	19.830	ug/l 93
11) Methyl Iodide	3.95	142	158058	18.936	ug/l 99
12) Methyl Acetate	4.33	43	108873	19.025	ug/l 98
13) Acrolein	3.61	56	49426	78.174	ug/l 97
14) Acrylonitrile	4.99	53	216139	94.307	ug/l 98
15) Acetone	3.82	58	60281	100.315	ug/l 97
16) Carbon Disulfide	4.05	76	399069	19.098	ug/l 100
17) Allyl chloride	4.33	41	218367	18.825	ug/l 97
18) Methylene Chloride	4.55	84	149856	20.102	ug/l 99
19) trans-1,2-Dichloroethene	5.05	96	133132	19.341	ug/l 98
20) Diisopropyl ether	5.95	45	458393	19.920	ug/l 99
21) 1,1-Dichloroethane	5.85	63	270390	19.826	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	144765	19.257	ug/l 97
23) tert-Butyl Alcohol	4.79	59	38782	88.463	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	325762	19.115	ug/l 99
25) Chloroform	7.37	83	267632	20.524	ug/l 99
26) Cyclohexane	7.65	56	229737	19.466	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	196183	19.922	ug/l 99
30) 2-Butanone	6.84	43	260720	97.276	ug/l 98
31) 2,2-Dichloropropane	6.82	77	214276	20.161	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	226240	20.447	ug/l 98
33) Carbon Tetrachloride	7.77	117	204152	20.529	ug/l 99
34) Benzene	8.04	78	589303	20.170	ug/l 99
35) Methacrylonitrile	7.18	41	54719	18.159	ug/l 100
36) 1,2-Dichloroethane	8.13	62	184882	19.852	ug/l 100
37) Trichloroethene	8.84	130	146665	19.552	ug/l 98
38) Methylcyclohexane	9.08	83	215245	18.942	ug/l 99
39) 1,2-Dichloropropane	9.12	63	162136	20.253	ug/l 98
40) Dibromomethane	9.21	93	88589	19.920	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	197851	20.382	ug/l	99
42) Vinyl Acetate	5.90	43	1419904	95.161	ug/l	100
43) Ethyl Acetate	6.93	43	110394	19.459	ug/l	99
44) Isopropyl Acetate	8.17	43	202237	18.206	ug/l	99
45) 1,4-Dioxane	9.20	88	23019	383.079	ug/l	96
46) Methyl methacrylate	9.20	41	96328	18.642	ug/l	98
47) n-amyl Acetate	12.07	43	142584	17.155	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	179931	18.571	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	223970	19.772	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	126578	20.141	ug/l	98
51) Ethyl methacrylate	10.43	69	136243	17.868	ug/l	99
52) 1,3-Dichloropropane	10.71	76	213437	19.807	ug/l	100
53) Dibromochloromethane	10.90	129	140596	19.642	ug/l	100
54) 1,2-Dibromoethane	11.01	107	115678	19.183	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	349599	92.758	ug/l	99
56) Bromoform	12.13	173	91939	19.357	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	554254	98.442	ug/l	100
59) 2-Hexanone	10.75	43	355734	96.041	ug/l	100
61) Tetrachloroethene	10.63	164	143805	20.482	ug/l	99
62) Toluene	10.16	91	615069	20.228	ug/l	100
64) Chlorobenzene	11.43	112	361029	19.637	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	142385	20.282	ug/l	98
66) Ethyl Benzene	11.51	91	598092	19.219	ug/l	100
67) m/p-Xylenes	11.62	106	477170	39.784	ug/l	98
68) o-Xylene	11.95	106	223259	19.500	ug/l	97
69) Styrene	11.96	104	350433	19.500	ug/l	99
70) Isopropylbenzene	12.25	105	606466	19.858	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	148315	20.072	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	175473	27.776	ug/l	49
73) Bromobenzene	12.53	156	147251	19.374	ug/l	97
74) n-propylbenzene	12.59	91	697724	19.624	ug/l	99
75) 2-Chlorotoluene	12.67	91	425462	20.040	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	511991	20.063	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	36854	18.420	ug/l	97
78) 4-Chlorotoluene	12.77	91	412076	19.649	ug/l	99
79) tert-butylbenzene	12.99	119	431409	19.513	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	505801	19.844	ug/l	99
81) sec-Butylbenzene	13.17	105	611033	20.007	ug/l	99
82) p-Isopropyltoluene	13.29	119	517618	19.830	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	261216	19.724	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	234968	18.874	ug/l	99
85) n-Butylbenzene	13.62	91	408677	19.075	ug/l	98
86) Hexachloroethane	13.87	117	104933	20.099	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	255698	19.737	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	20253	18.806	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	98384	16.225	ug/l	98
90) Hexachlorobutadiene	15.01	225	99060	20.038	ug/l	96
91) Naphthalene	15.13	128	157846	17.132	ug/l	98
92) 1,2,3-Trichlorobenzene	15.31	180	101059	16.571	ug/l	98

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QLast Update : Sat Sep 29 01:07:29 2018
Response via : Initial Calibration

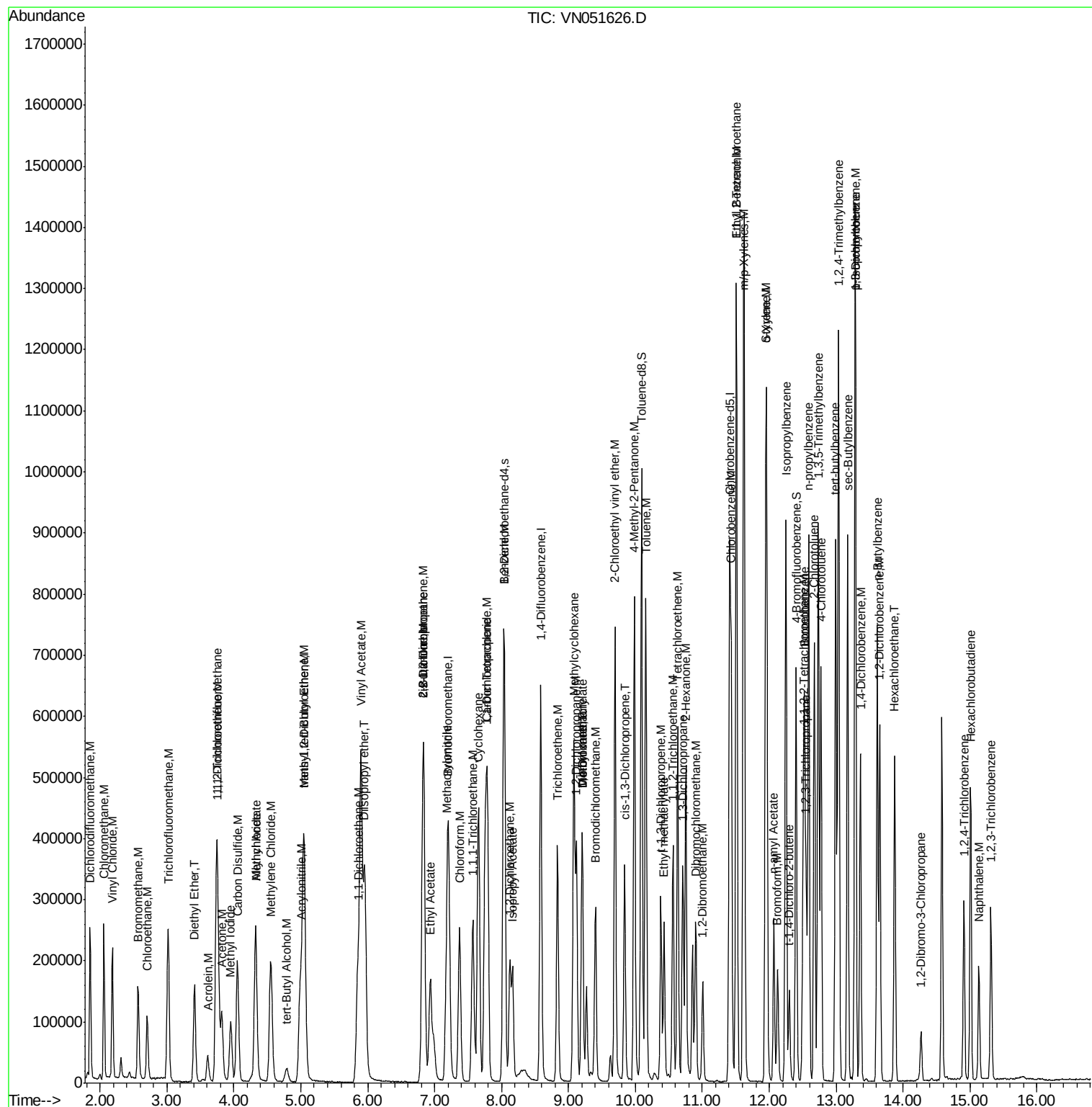
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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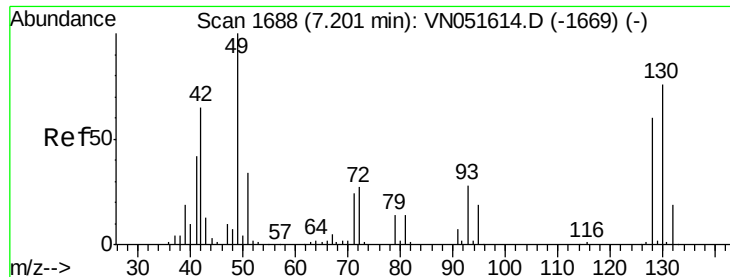
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 02 00:58:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Sep 29 01:07:29 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

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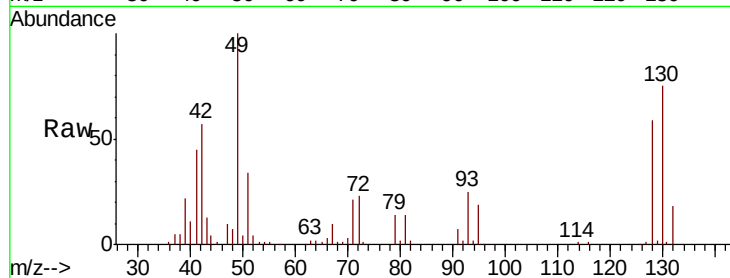
Tot Ion:128 Resp: 107390

Ion Ratio Lower Upper

128 100

49 171.8 0.0 426.8

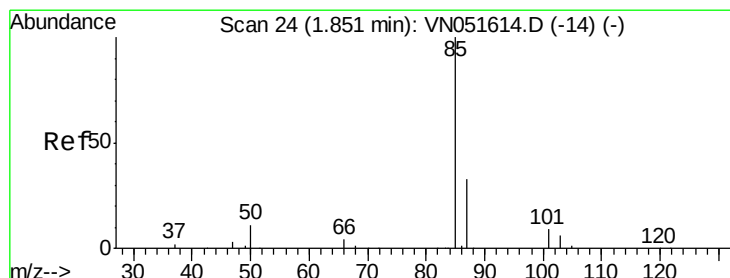
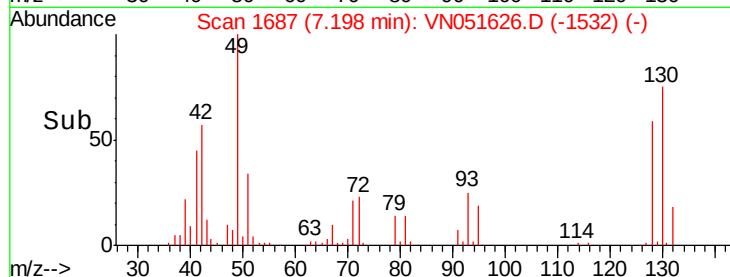
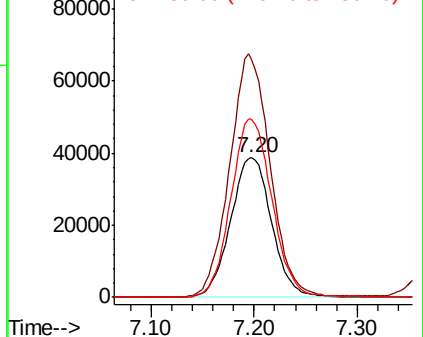
130 127.7 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.720 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051626.D

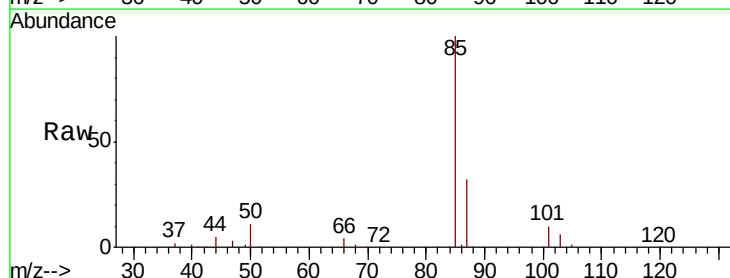
Acq: 1 Oct 2018 10:18

Tgt Ion: 85 Resp: 195277

Ion Ratio Lower Upper

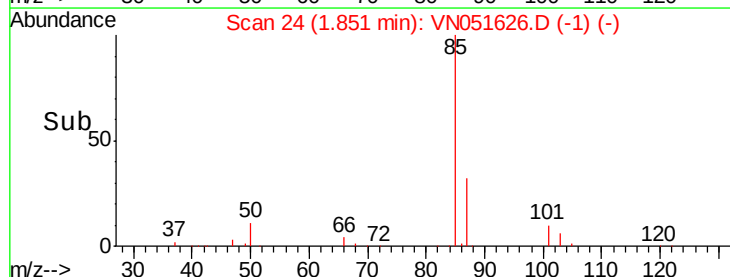
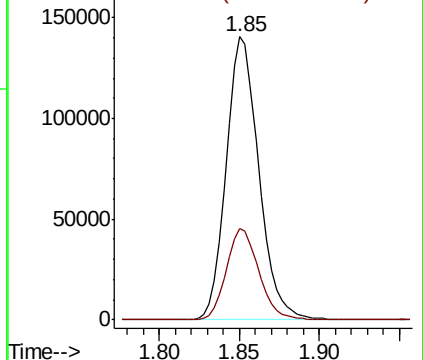
85 100

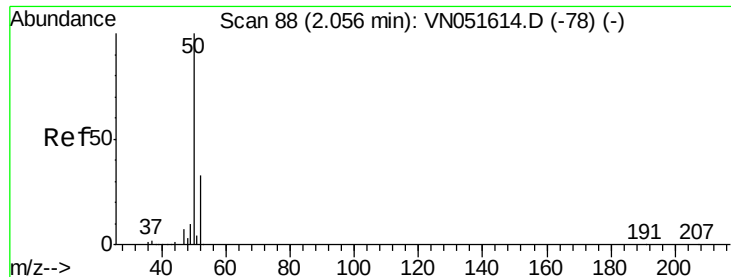
87 32.2 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.587 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

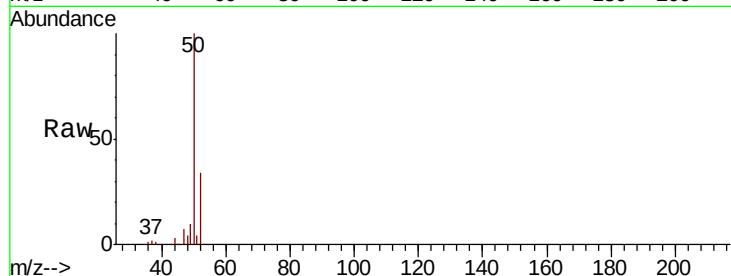
VSTDCCC020

Tot Ion: 50 Resp: 206570

Ion Ratio Lower Upper

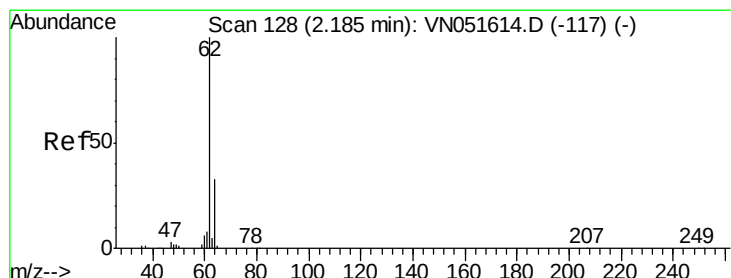
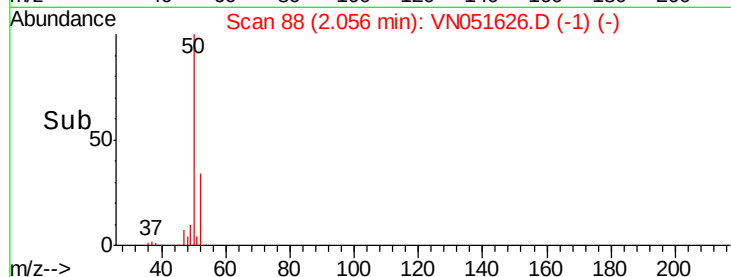
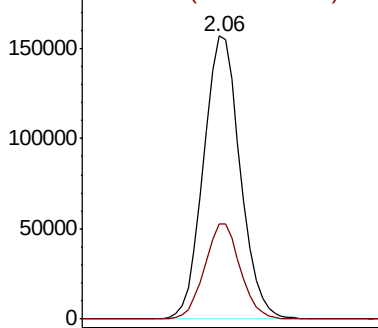
50 100

52 33.5 26.0 39.0



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 18.643 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051626.D

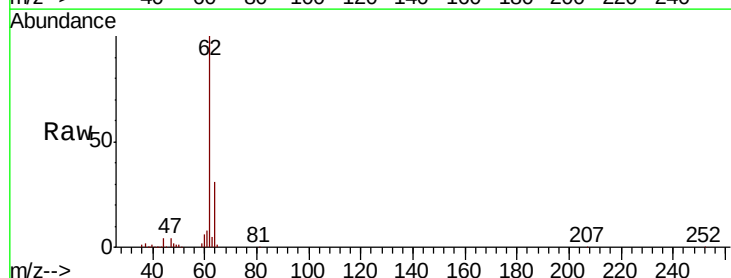
Acq: 1 Oct 2018 10:18

Tgt Ion: 62 Resp: 192879

Ion Ratio Lower Upper

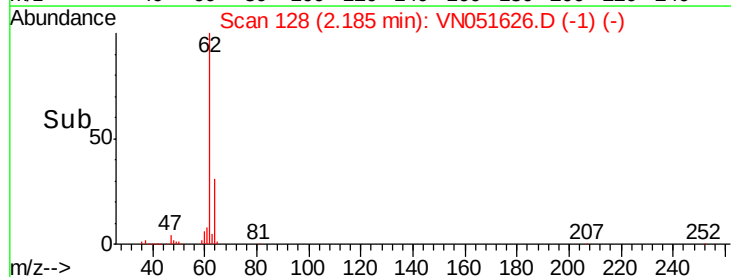
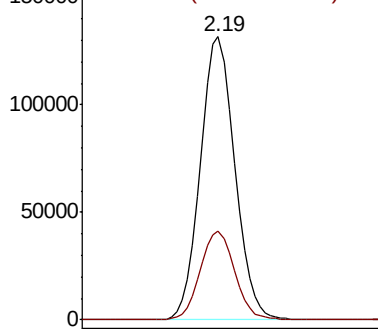
62 100

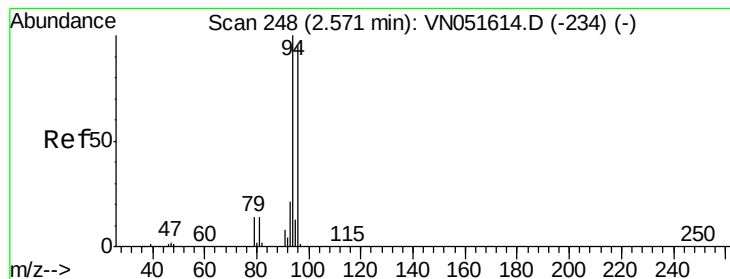
64 31.2 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 18.391 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

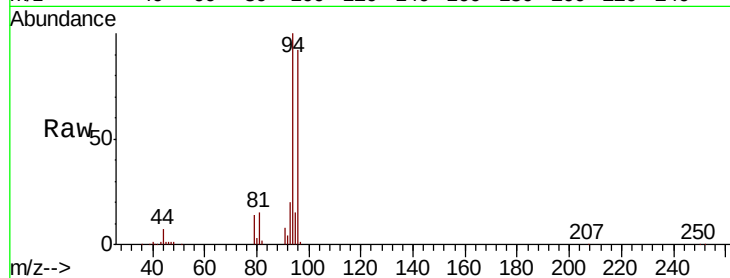
VSTDCCC020

Tot Ion: 94 Resp: 98837

Ion Ratio Lower Upper

94 100

96 92.4 75.8 113.6



Abundance Ion 94.00 (93.70 to 94.70): VN051614.D (-234) (-)

Ion 96.00 (95.70 to 96.70): VN051614.D (-234) (-)

2.57

60000

50000

40000

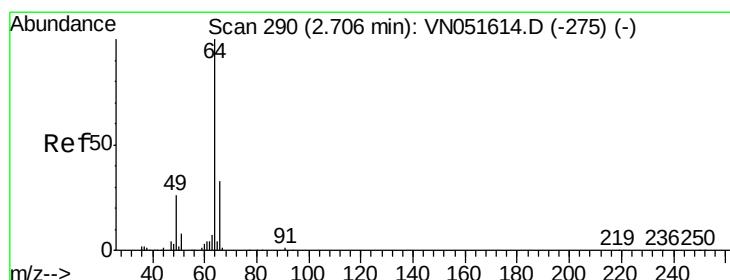
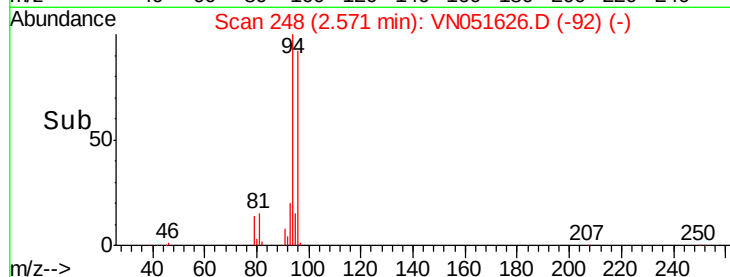
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 19.036 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051626.D

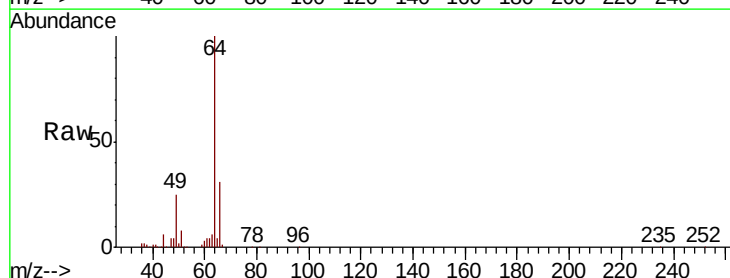
Acq: 1 Oct 2018 10:18

Tgt Ion: 64 Resp: 98800

Ion Ratio Lower Upper

64 100

66 31.2 26.1 39.1



Abundance Ion 64.00 (63.70 to 64.70): VN051614.D (-275) (-)

Ion 66.00 (65.70 to 66.70): VN051614.D (-275) (-)

2.71

60000

50000

40000

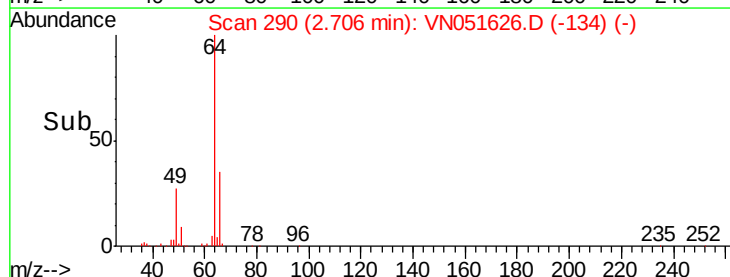
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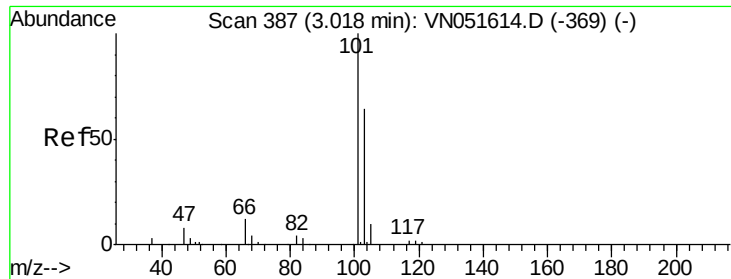
20000

10000

0

Time-->



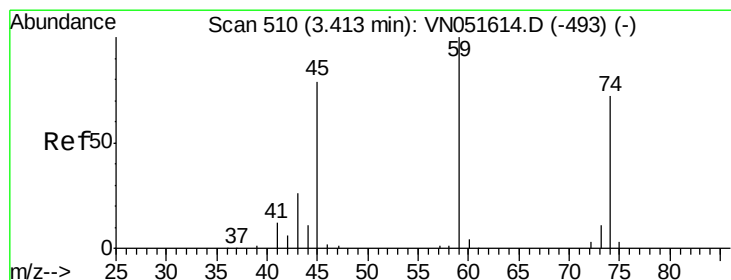
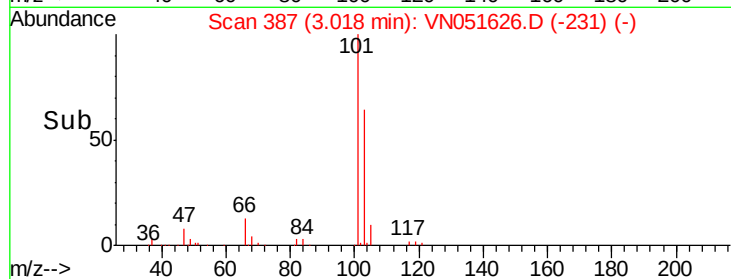
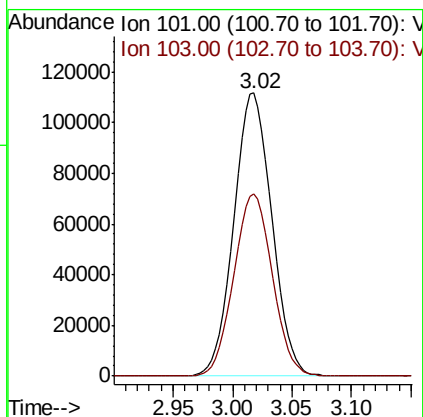
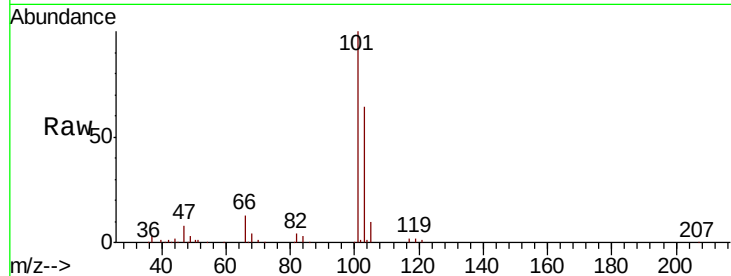


#7

Trichlorofluoromethane
 Concen: 19.614 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

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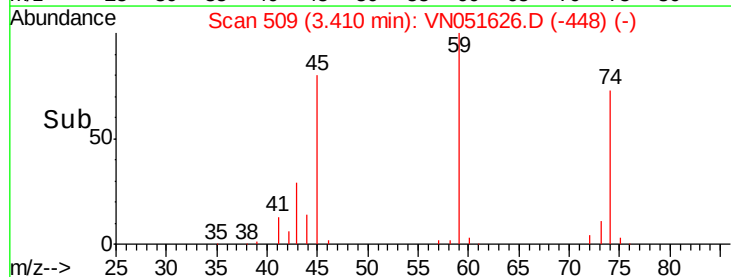
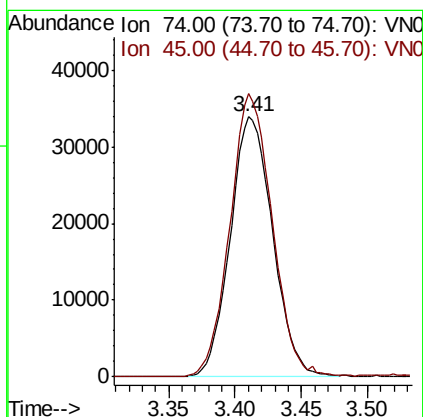
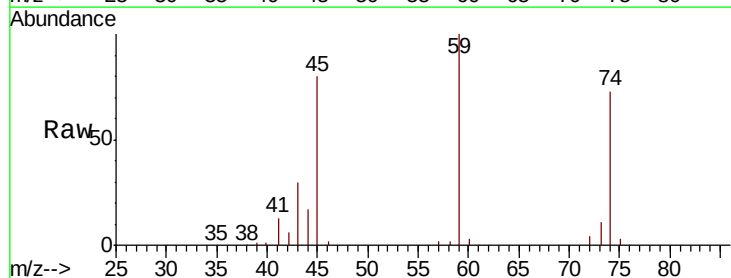
Tot Ion:101 Resp: 247933
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.2 76.8

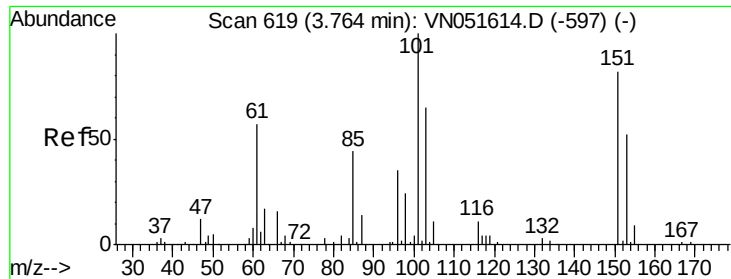


#8

Diethyl Ether
 Concen: 19.005 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion: 74 Resp: 75458
 Ion Ratio Lower Upper
 74 100
 45 107.3 21.3 191.5

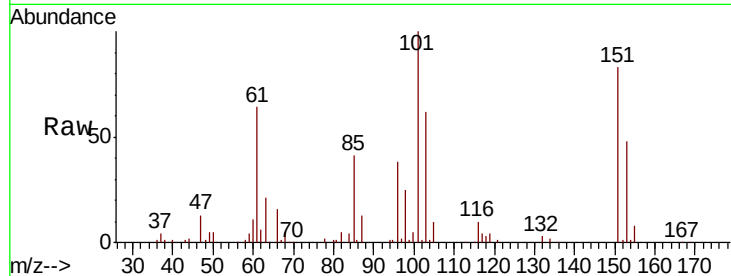




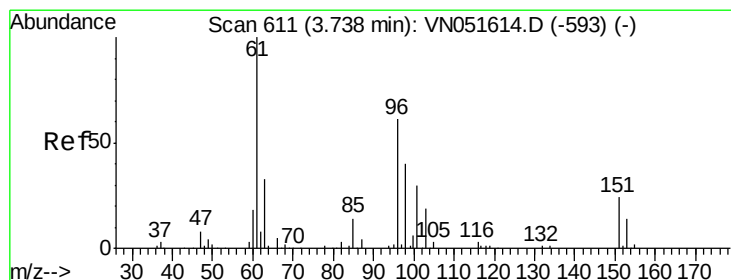
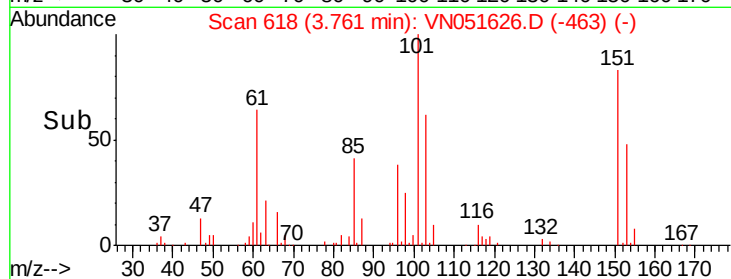
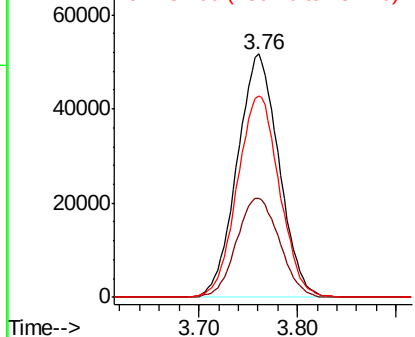
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.196 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Instrument :
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 ClientSampleId :
 VSTDCCC020

Tot Ion:101 Resp: 151452
 Ion Ratio Lower Upper
 101 100
 85 41.9 0.0 89.4
 151 83.7 0.0 167.6

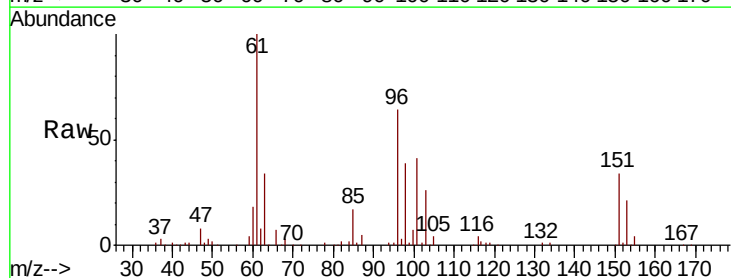


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

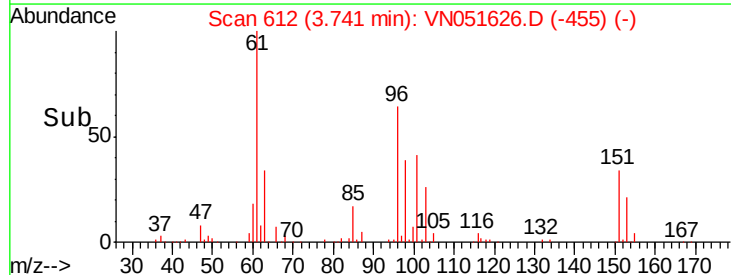
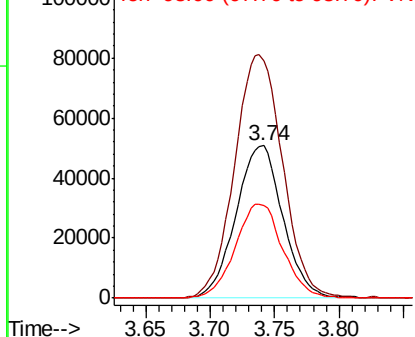


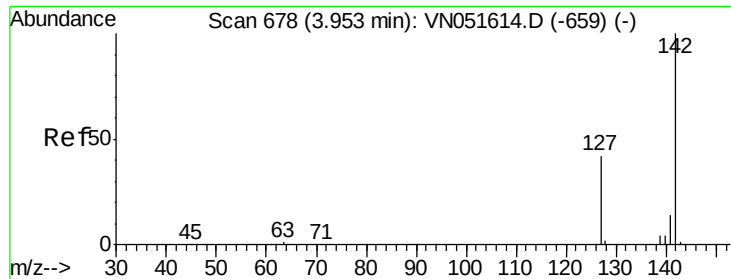
#10
 1,1-Dichloroethene
 Concen: 19.830 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion: 96 Resp: 128583
 Ion Ratio Lower Upper
 96 100
 61 155.2 131.0 196.4
 98 60.4 52.7 79.1



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

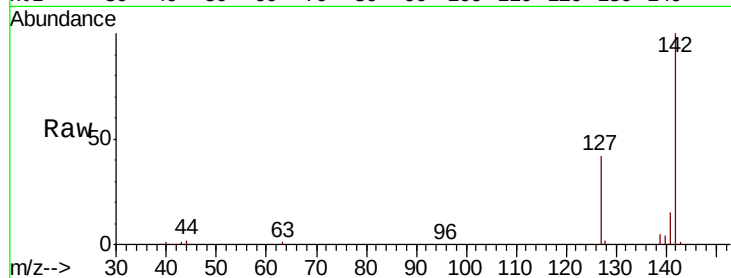




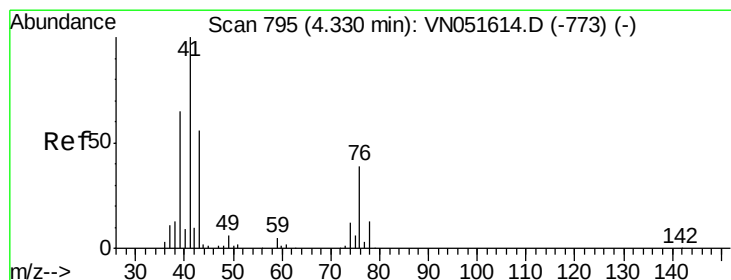
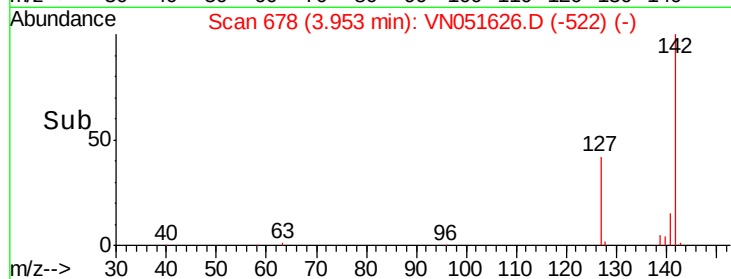
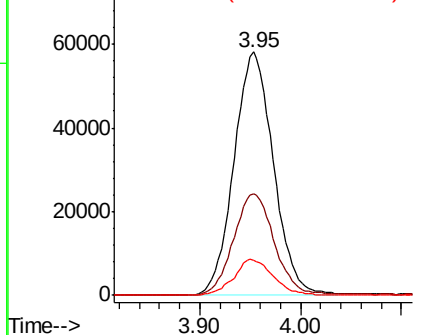
#11
Methvl Iodide
Concen: 18.936 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion:142 Resp: 158058
Ion Ratio Lower Upper
142 100
127 41.7 21.1 63.1
141 14.6 7.1 21.4

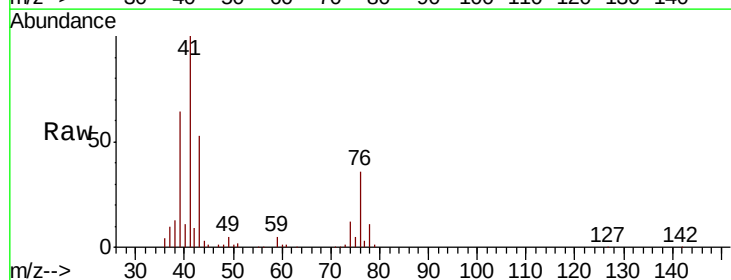


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

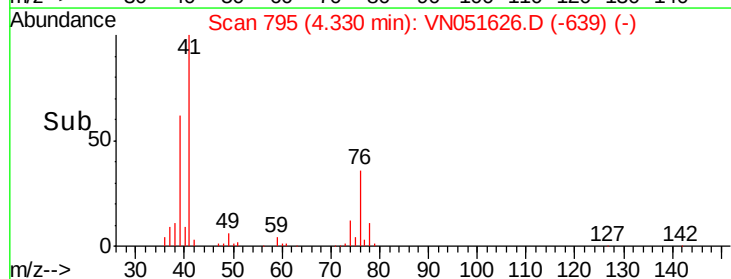
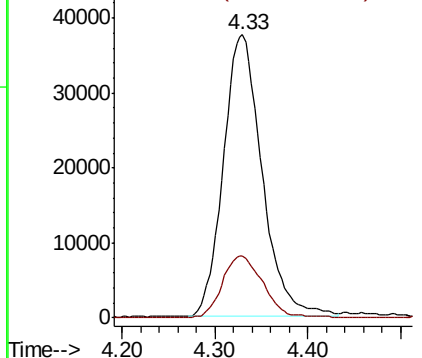


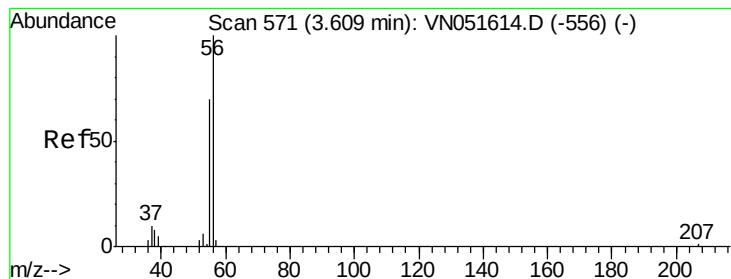
#12
Methyl Acetate
Concen: 19.025 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion: 43 Resp: 108873
Ion Ratio Lower Upper
43 100
74 22.1 17.0 25.4



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





#13

Acrolein

Concen: 78.174 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

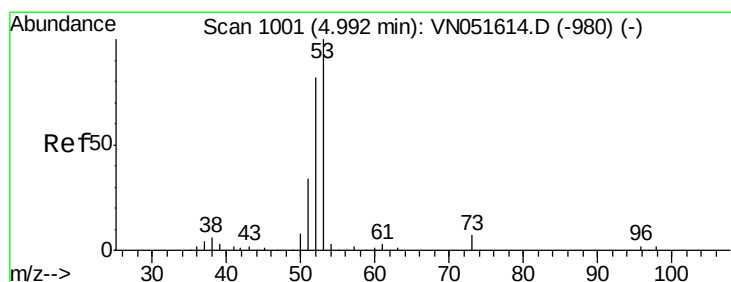
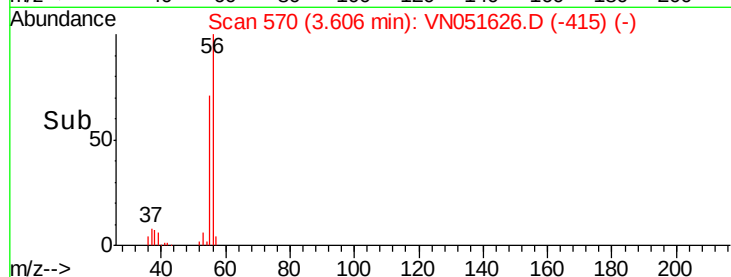
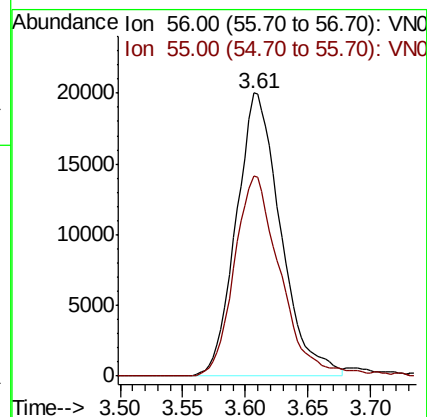
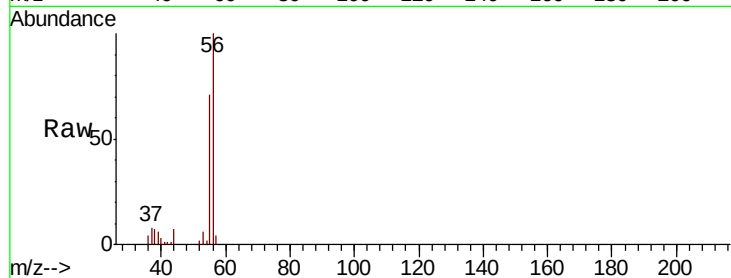
VSTDCCC020

Tot Ion: 56 Resp: 49426

Ion Ratio Lower Upper

56 100

55 72.1 55.8 83.8



#14

Acrylonitrile

Concen: 94.307 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

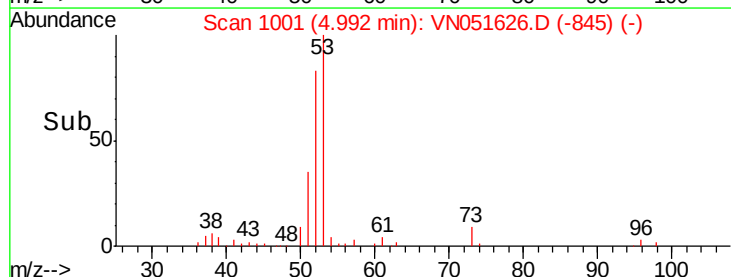
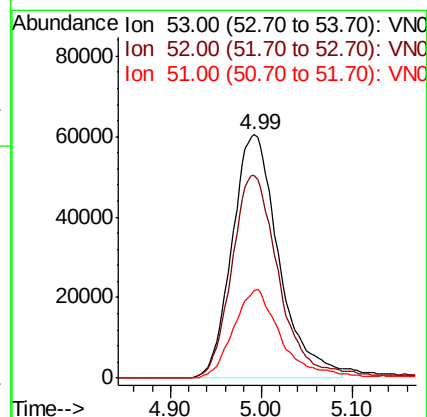
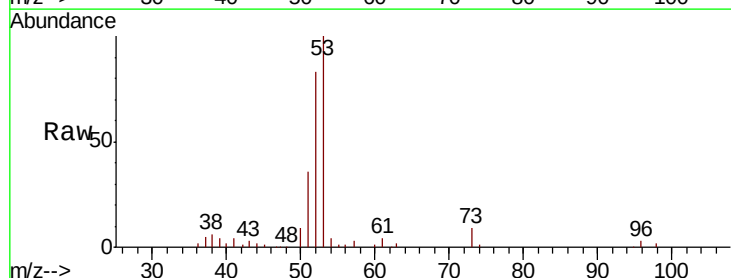
Tgt Ion: 53 Resp: 216139

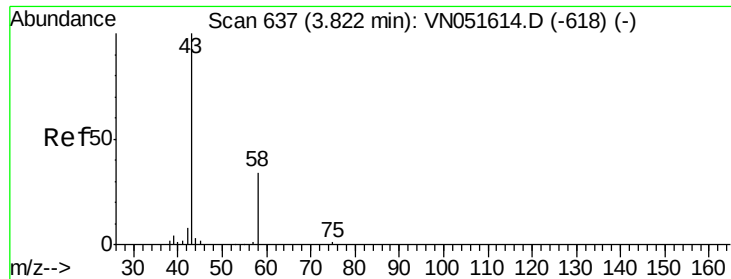
Ion Ratio Lower Upper

53 100

52 83.9 41.3 123.7

51 35.5 17.1 51.2

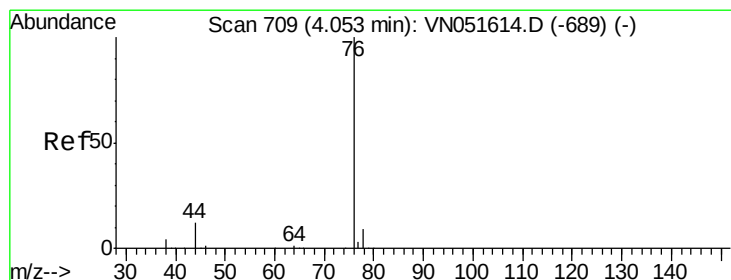
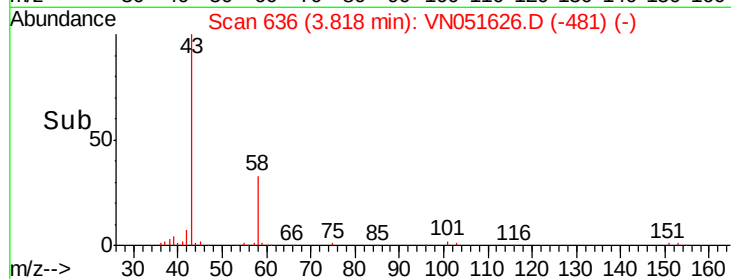
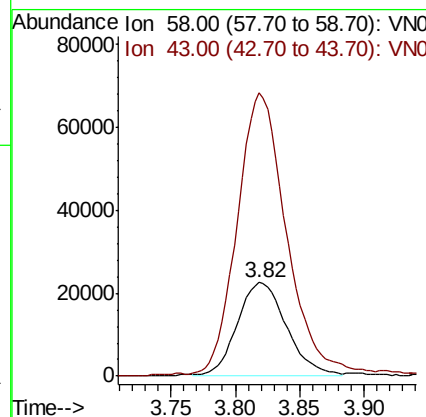
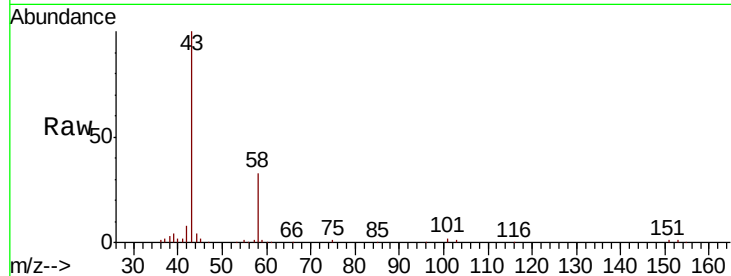




#15
Acetone
Concen: 100.315 ug/l
RT: 3.82 min Scan# 636
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

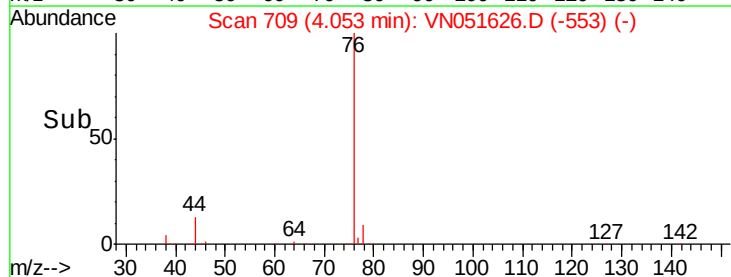
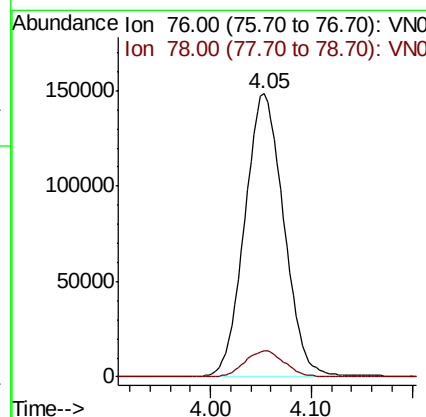
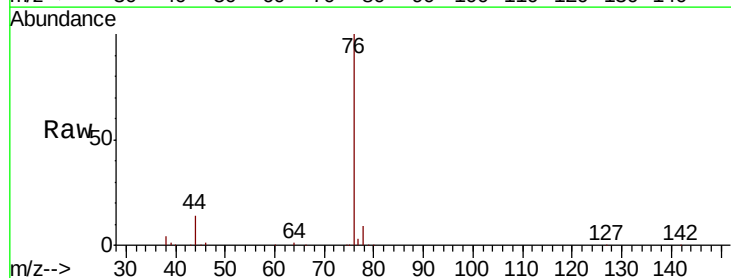
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

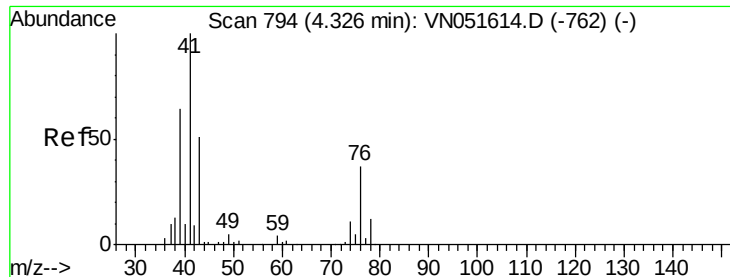
Tot Ion: 58 Resp: 60281
Ion Ratio Lower Upper
58 100
43 304.0 238.0 357.0



#16
Carbon Disulfide
Concen: 19.098 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion: 76 Resp: 399069
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9

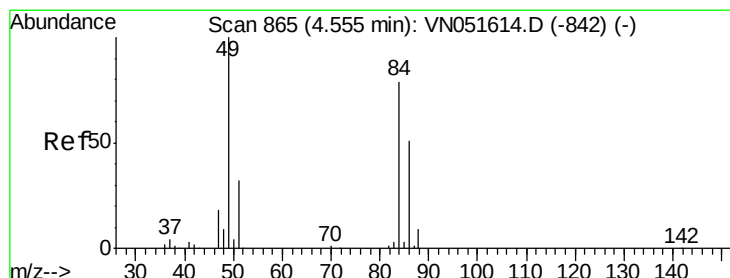
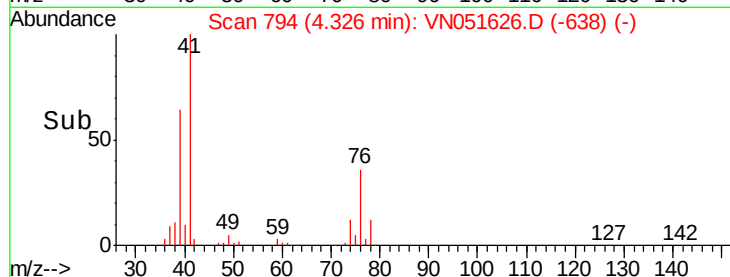
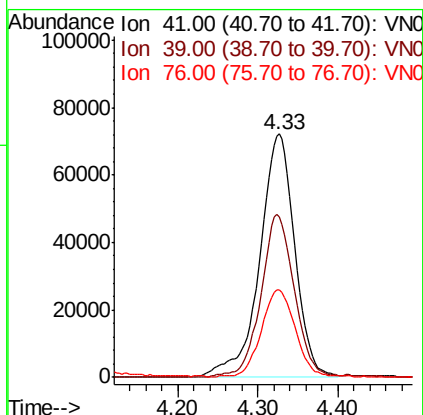
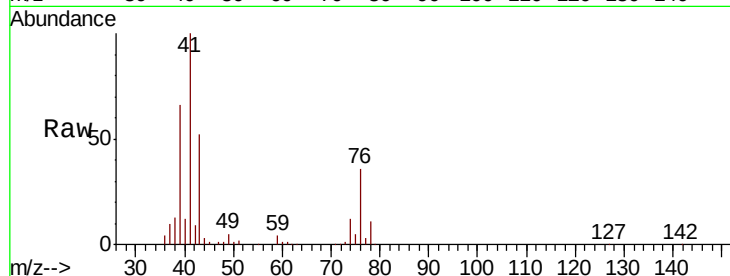




#17
Allvl chloride
Concen: 18.825 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

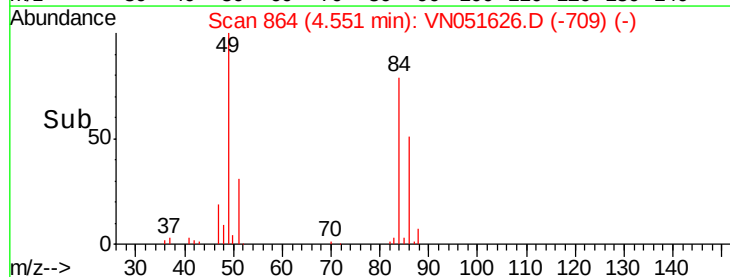
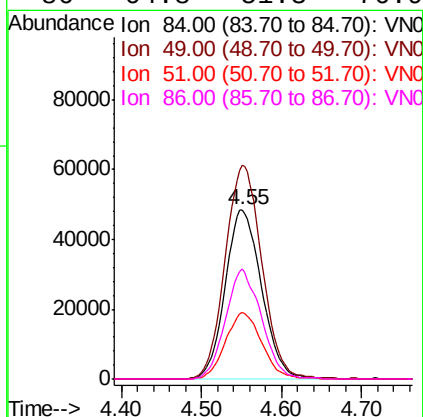
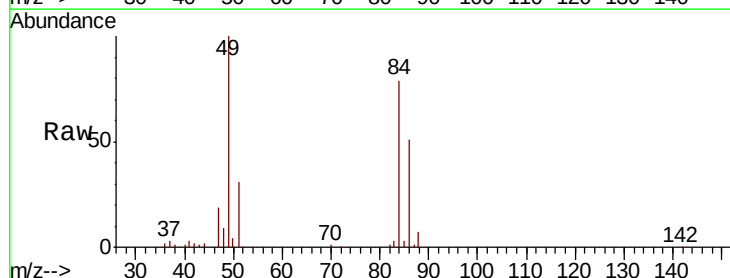
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

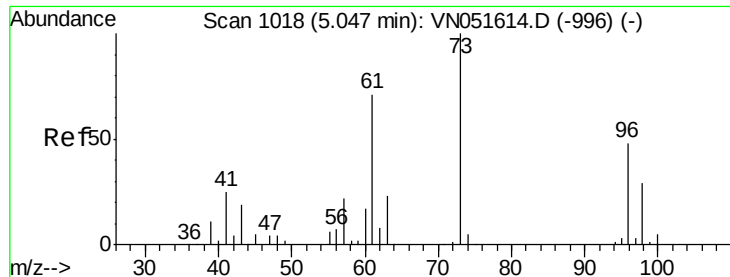
Tot Ion:	41	Resp:	218367
Ion	Ratio	Lower	Upper
41	100		
39	65.7	31.9	95.9
76	35.3	18.6	56.0



#18
Methylene Chloride
Concen: 20.102 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion:	84	Resp:	149856
Ion	Ratio	Lower	Upper
84	100		
49	126.3	100.9	151.3
51	39.3	32.5	48.7
86	64.8	51.3	76.9

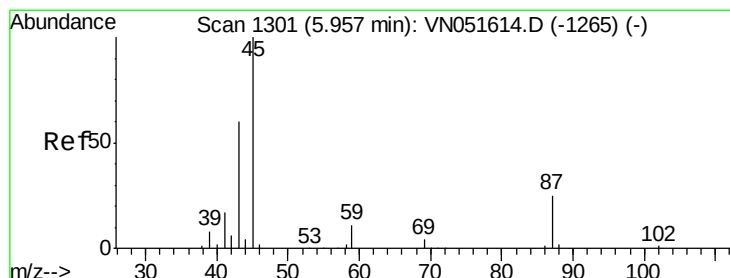
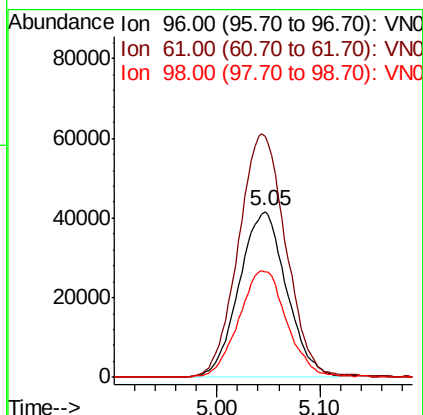
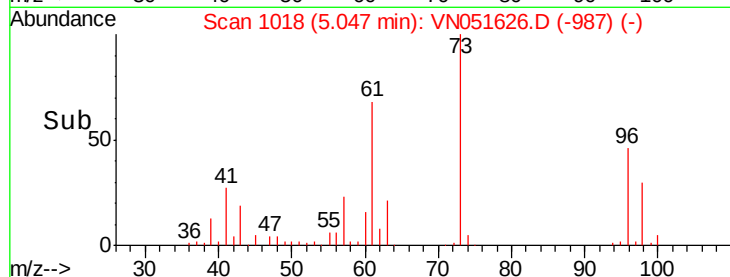
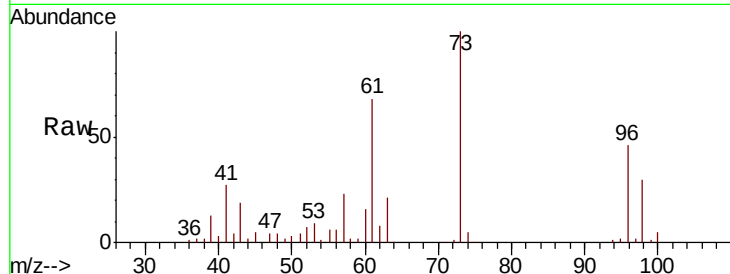




#19
trans-1,2-Dichloroethene
Concen: 19.341 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

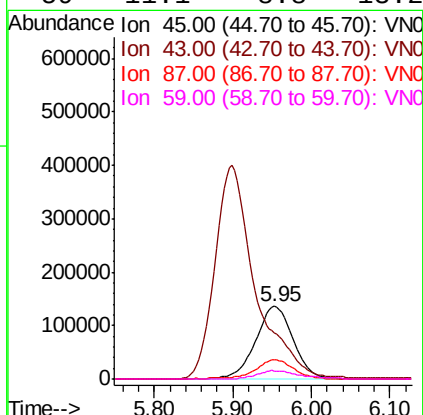
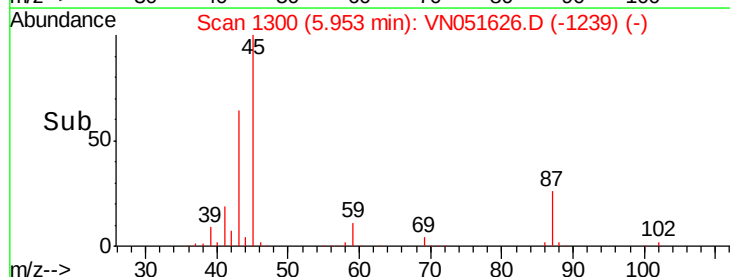
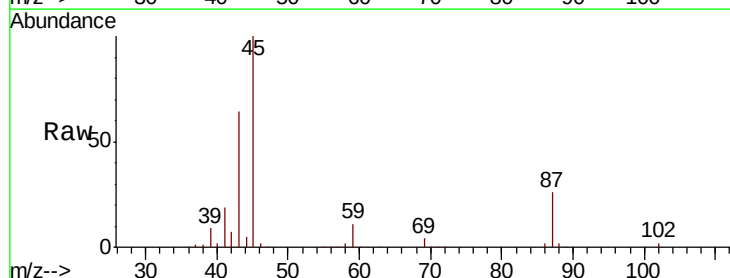
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

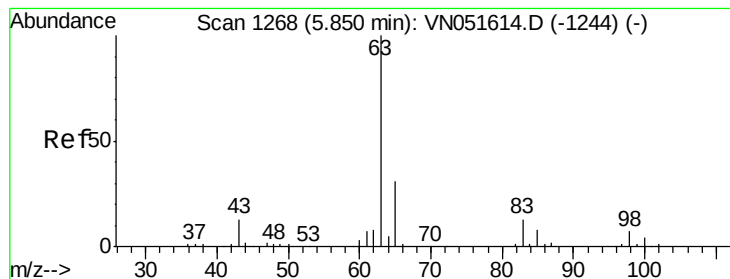
Tot Ion: 96 Resp: 133132
Ion Ratio Lower Upper
96 100
61 145.4 118.0 177.0
98 63.9 49.0 73.4



#20
Diisopropyl ether
Concen: 19.920 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion: 45 Resp: 458393
Ion Ratio Lower Upper
45 100
43 61.2 48.3 72.5
87 25.8 20.8 31.2
59 11.1 8.8 13.2





#21

1,1-Dichloroethane

Concen: 19.826 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

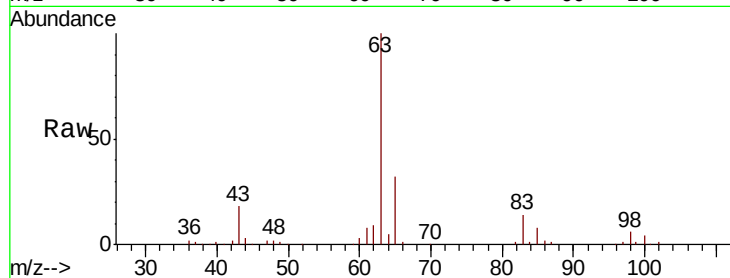
Tot Ion: 63 Resp: 270390

Ion Ratio Lower Upper

63 100

98 6.1 3.3 9.9

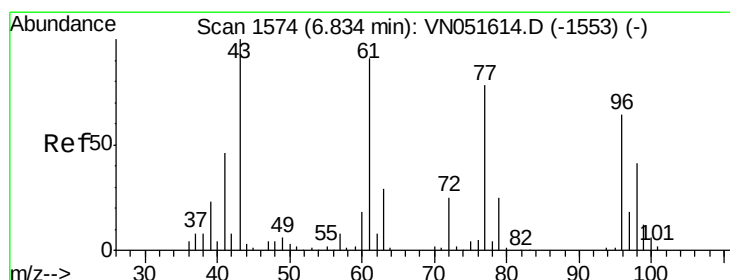
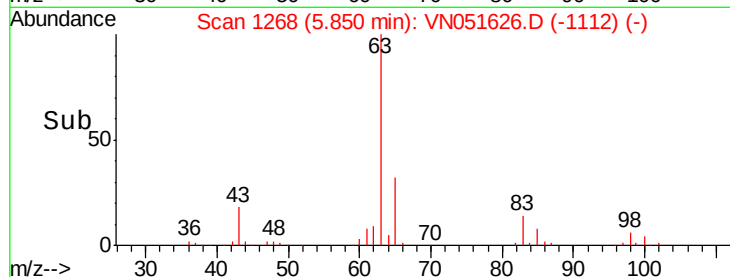
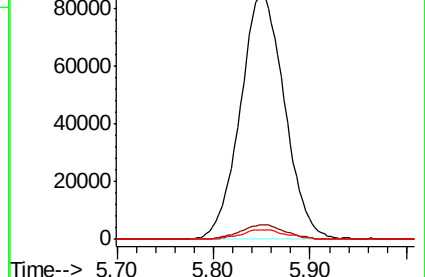
100 4.0 2.0 5.8



Abundance Ion 63.00 (62.70 to 63.70): VN051614.D (-1244) (-)

Ion 98.00 (97.70 to 98.70): VN051614.D (-1244) (-)

Ion 100.00 (99.70 to 100.70): VN051614.D (-1244) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.257 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

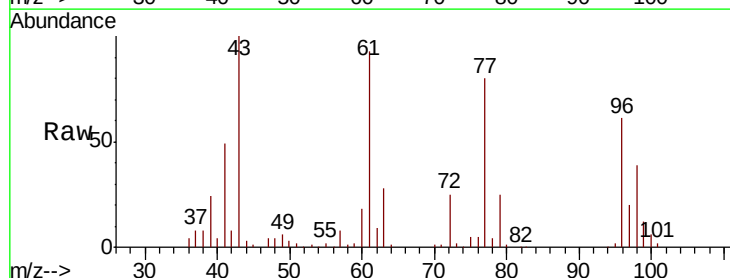
Tgt Ion: 96 Resp: 144765

Ion Ratio Lower Upper

96 100

61 155.6 120.4 180.6

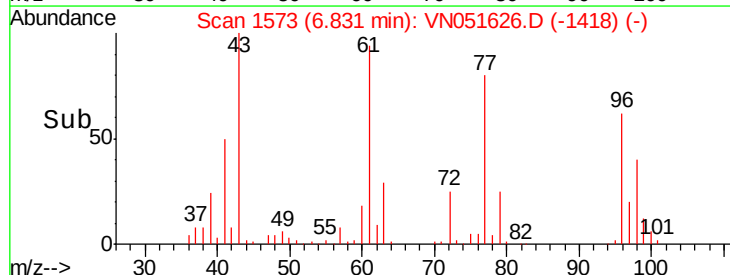
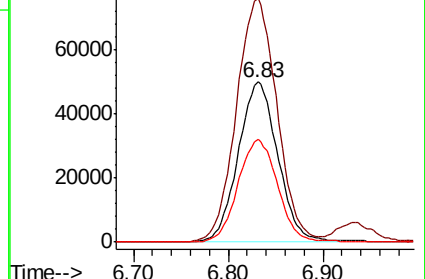
98 63.8 51.4 77.0

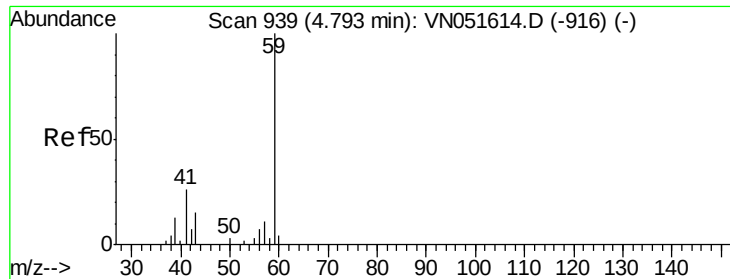


Abundance Ion 96.00 (95.70 to 96.70): VN051614.D (-1553) (-)

Ion 61.00 (60.70 to 61.70): VN051614.D (-1553) (-)

Ion 98.00 (97.70 to 98.70): VN051614.D (-1553) (-)



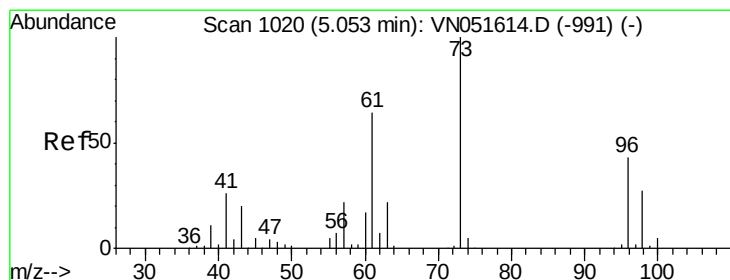
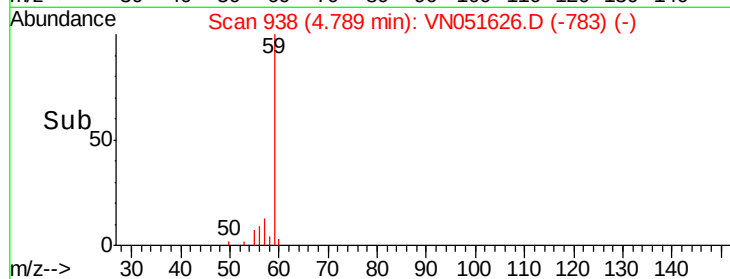
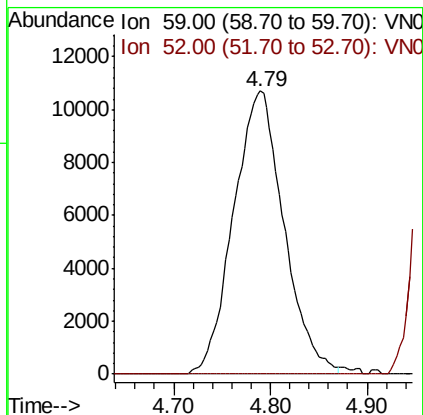
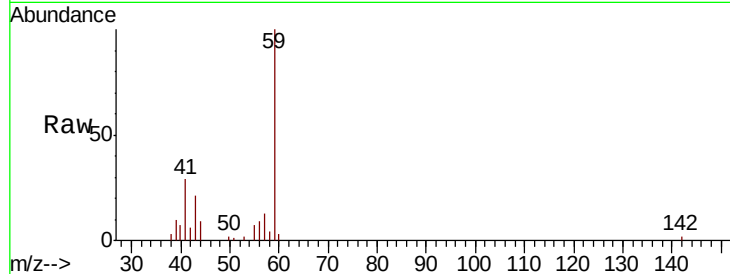


#23

tert-Butyl Alcohol
 Concen: 88.463 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

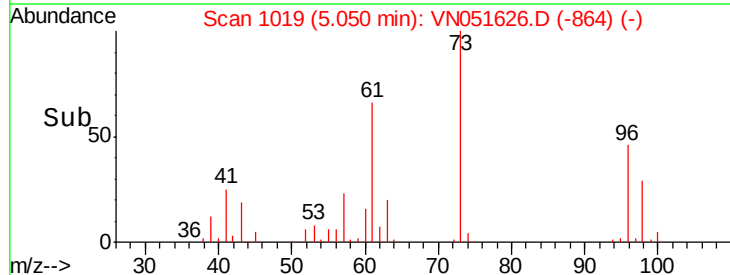
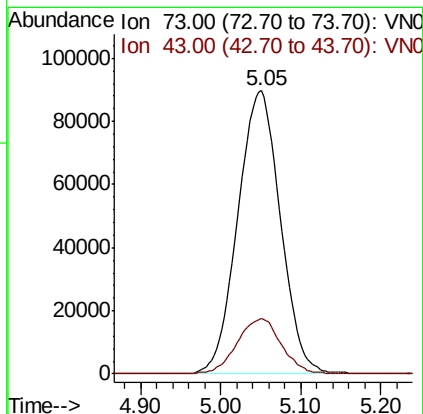
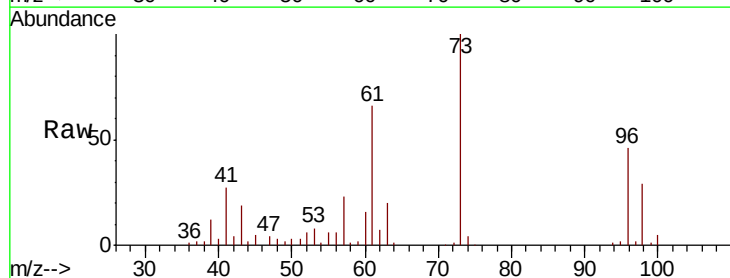
Tot Ion: 59 Resp: 38782
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

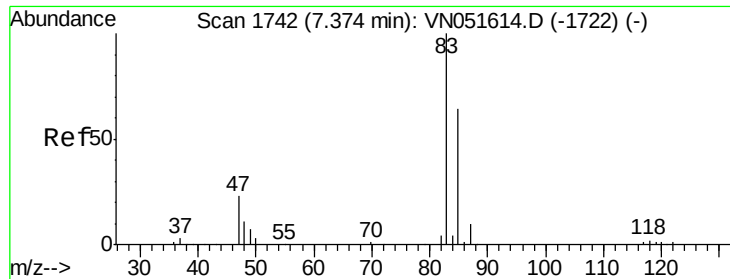


#24

Methyl tert-Butyl Ether
 Concen: 19.115 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion: 73 Resp: 325762
 Ion Ratio Lower Upper
 73 100
 43 19.8 16.1 24.1

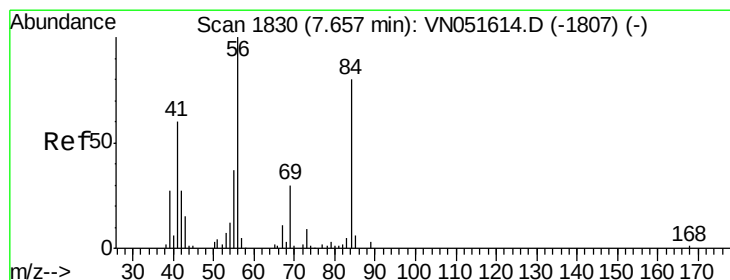
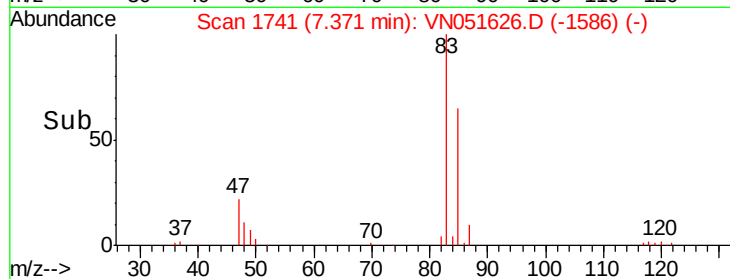
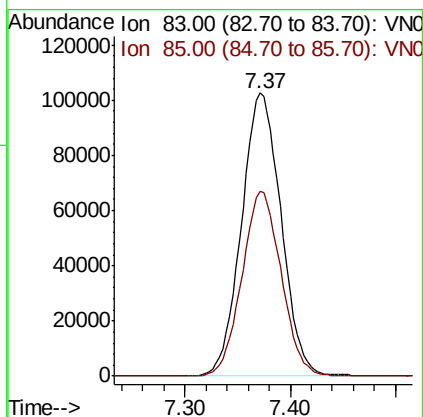
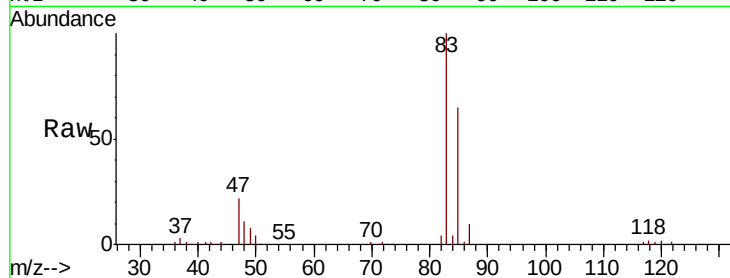




#25
Chloroform
Concen: 20.524 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

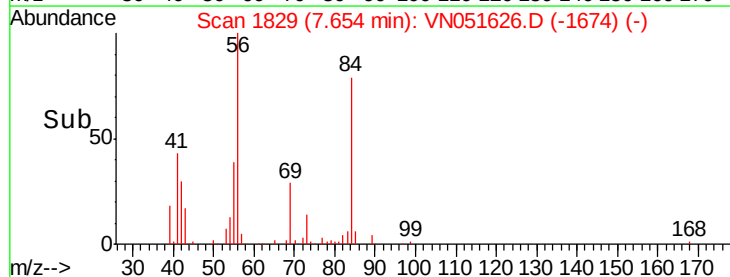
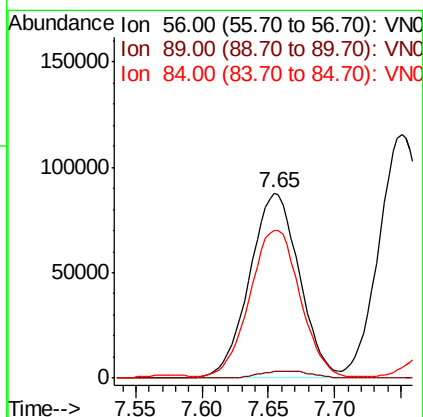
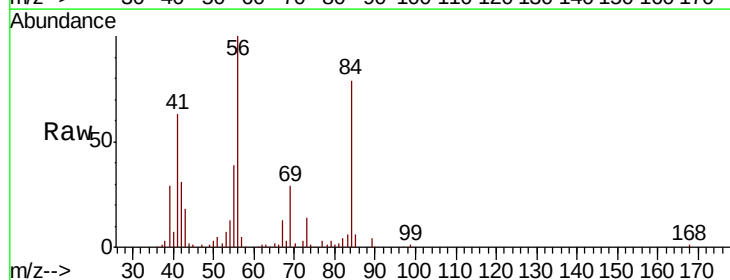
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

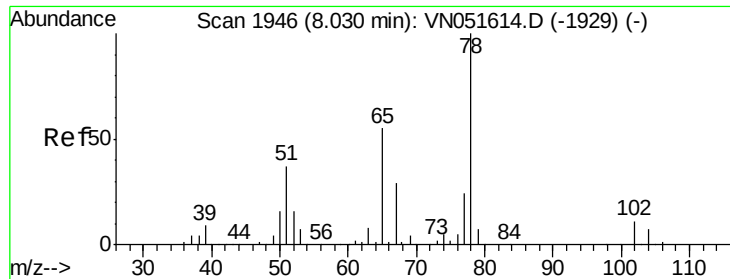
Tot Ion: 83 Resp: 267632
Ion Ratio Lower Upper
83 100
85 65.3 51.4 77.0



#26
Cyclohexane
Concen: 19.466 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion: 56 Resp: 229737
Ion Ratio Lower Upper
56 100
89 4.0 2.2 3.2#
84 81.6 65.0 97.4

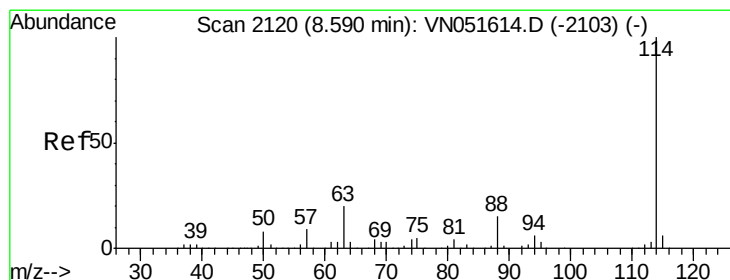
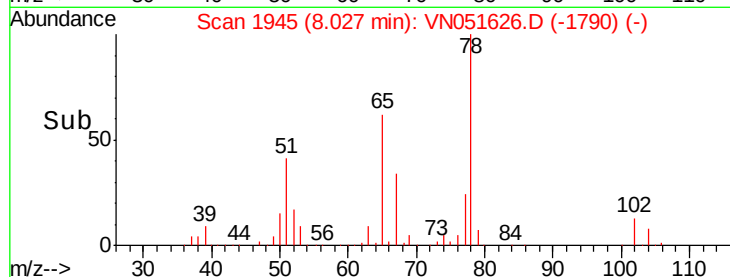
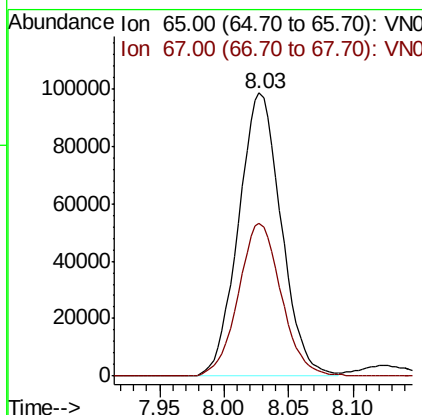
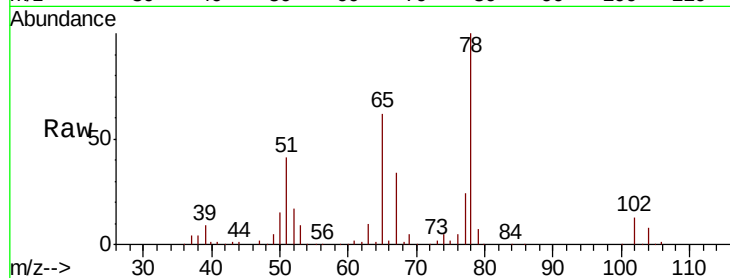




#27
 1,2-Dichloroethane-d4
 Concen: 19.466 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

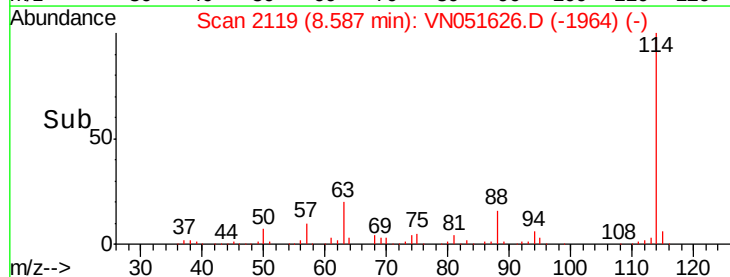
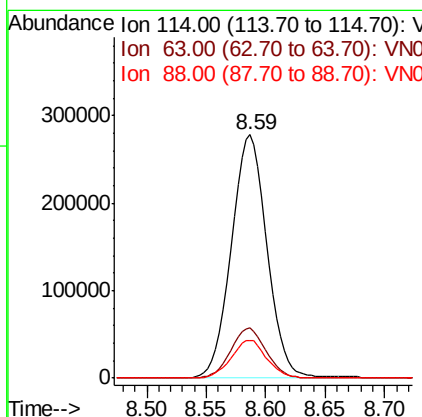
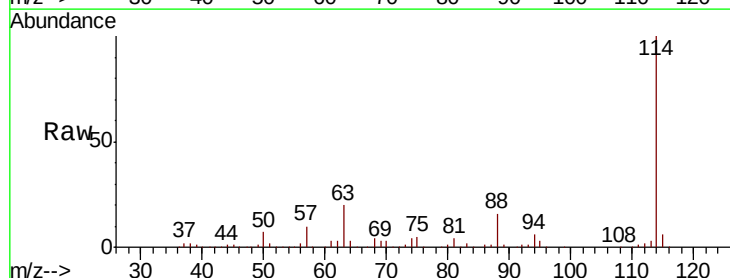
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

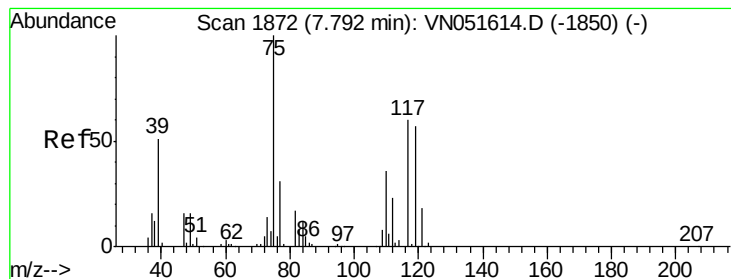
Tot Ion: 65 Resp: 226917
 Ion Ratio Lower Upper
 65 100
 67 54.2 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion: 114 Resp: 577512
 Ion Ratio Lower Upper
 114 100
 63 20.5 16.4 24.6
 88 15.6 12.6 18.8





#29

1,1-Dichloropropene

Concen: 19.922 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

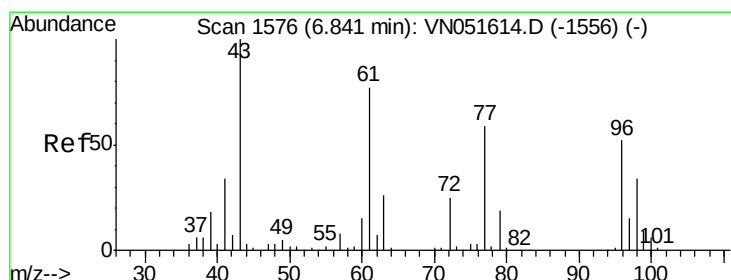
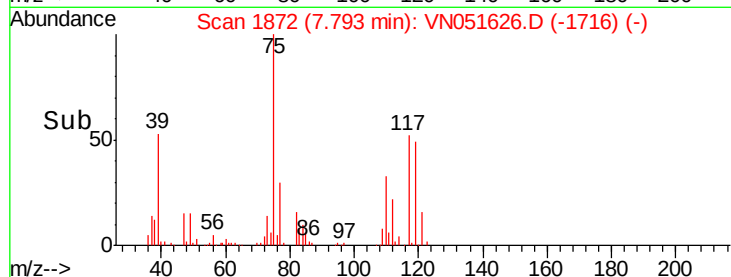
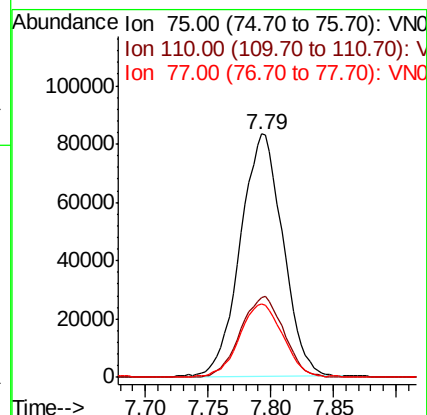
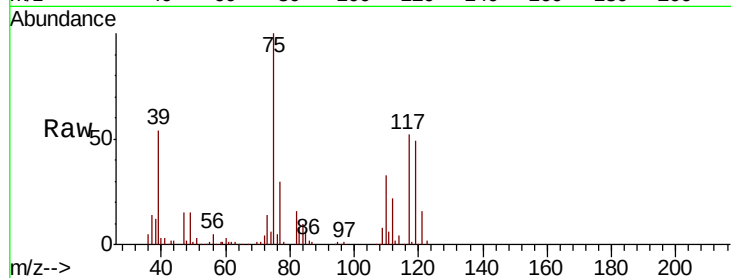
Tot Ion: 75 Resp: 196183

Ion Ratio Lower Upper

75 100

110 34.0 0.0 71.0

77 31.2 0.0 62.4



#30

2-Butanone

Concen: 97.276 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

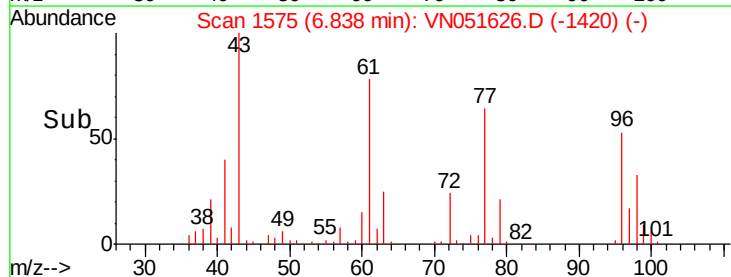
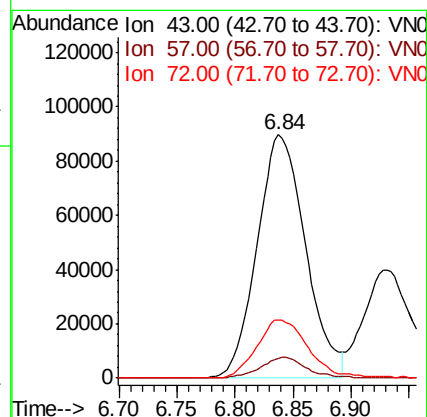
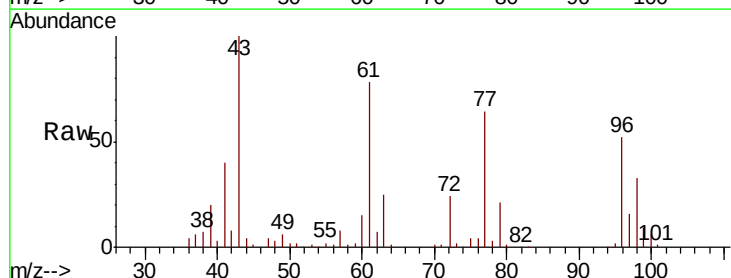
Tgt Ion: 43 Resp: 260720

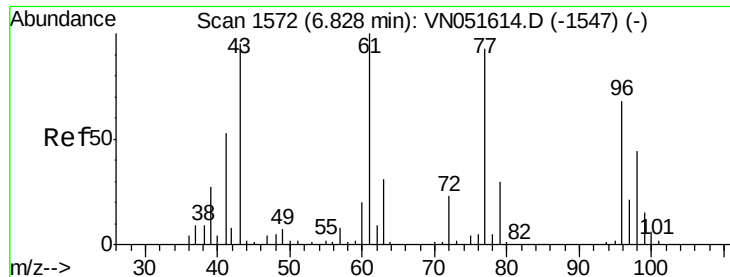
Ion Ratio Lower Upper

43 100

57 8.1 6.6 10.0

72 24.5 20.8 31.2

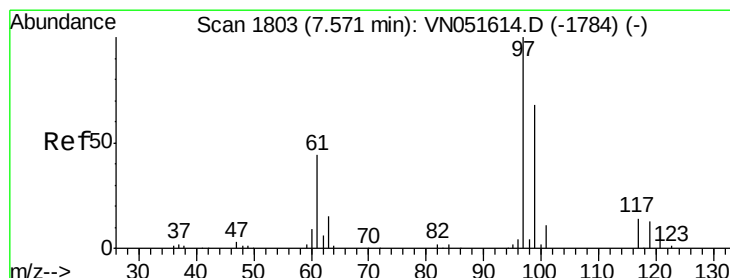
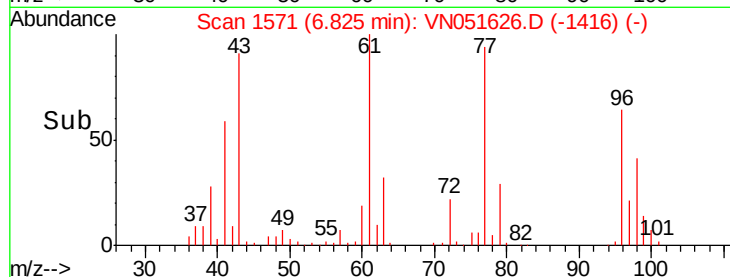
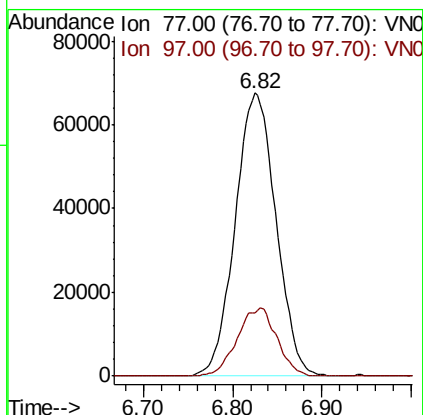
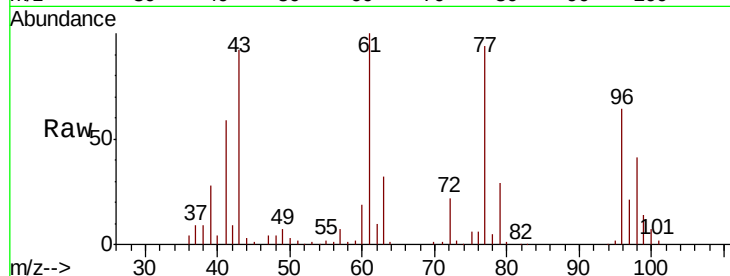




#31
 2,2-Dichloropropane
 Concen: 20.161 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

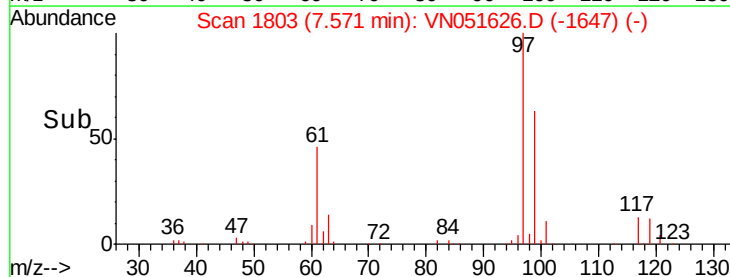
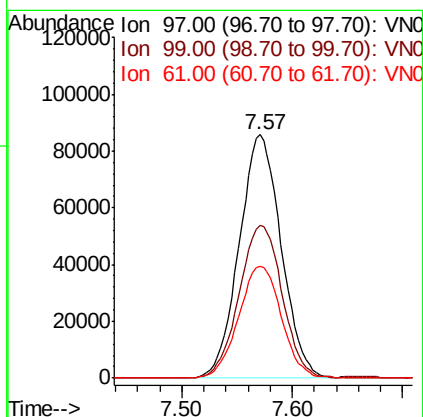
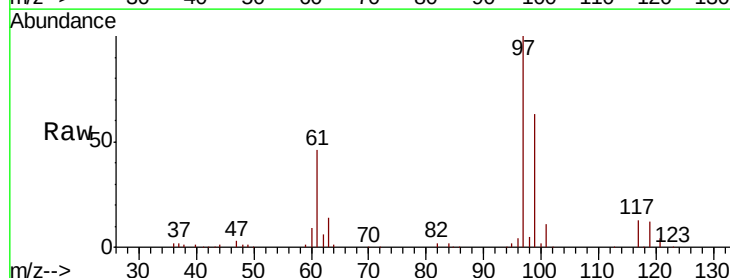
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

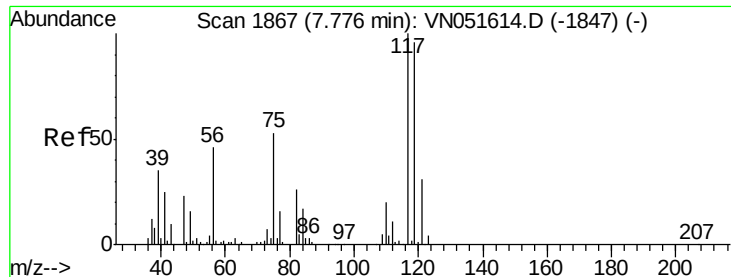
Tot Ion: 77 Resp: 214276
 Ion Ratio Lower Upper
 77 100
 97 23.5 18.6 28.0



#32
 1,1,1-Trichloroethane
 Concen: 20.447 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion: 97 Resp: 226240
 Ion Ratio Lower Upper
 97 100
 99 64.4 52.2 78.4
 61 47.0 36.2 54.4

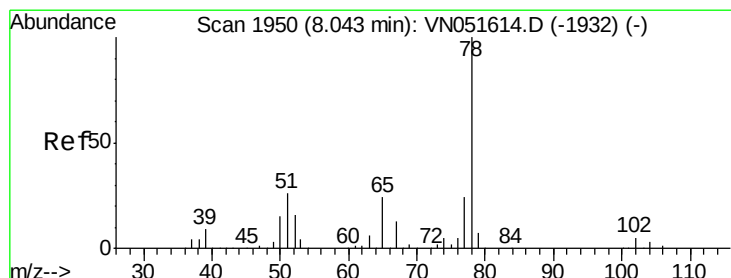
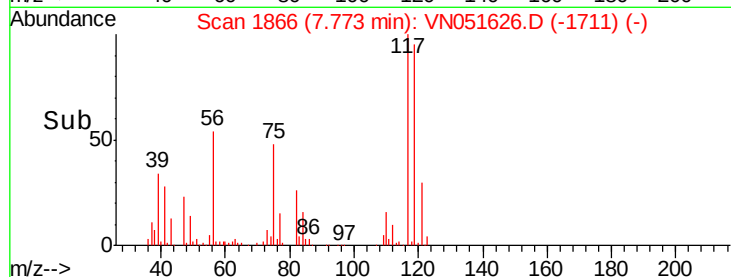
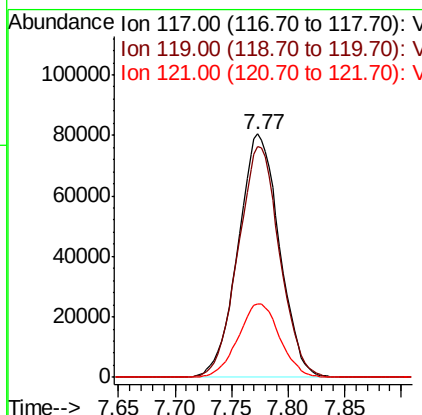
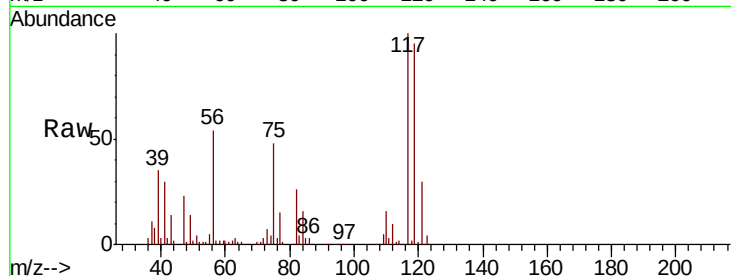




#33
Carbon Tetrachloride
Concen: 20.529 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

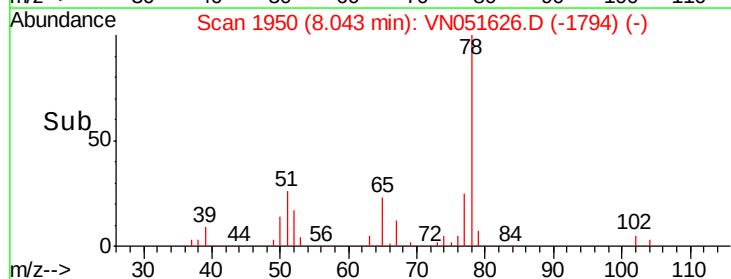
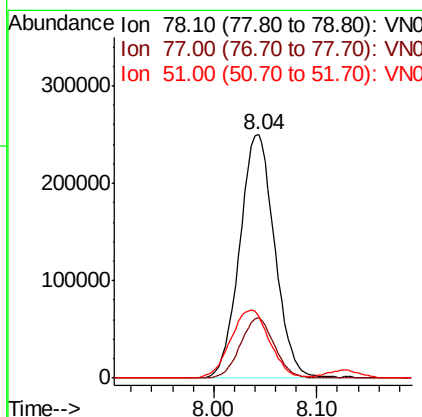
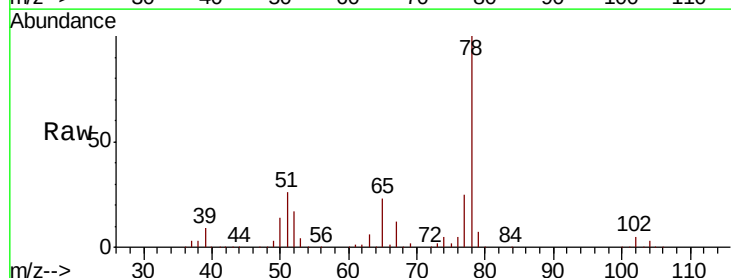
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

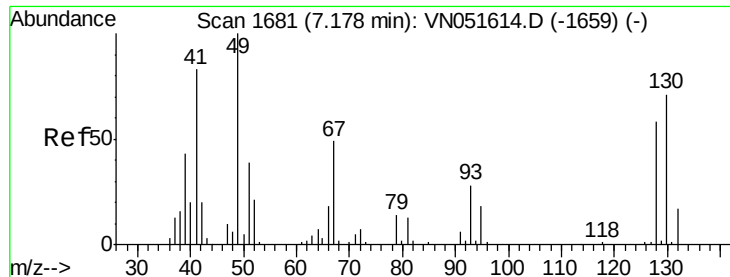
Tot Ion:117 Resp: 204152
Ion Ratio Lower Upper
117 100
119 94.6 76.5 114.7
121 30.0 25.0 37.6



#34
Benzene
Concen: 20.170 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion: 78 Resp: 589303
Ion Ratio Lower Upper
78 100
77 24.6 19.3 28.9
51 25.5 20.8 31.2

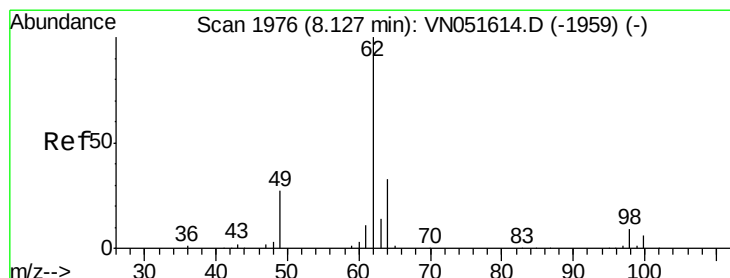
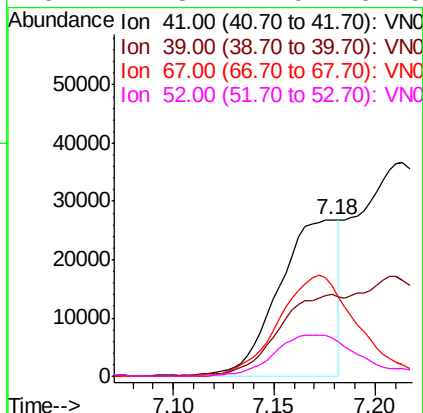
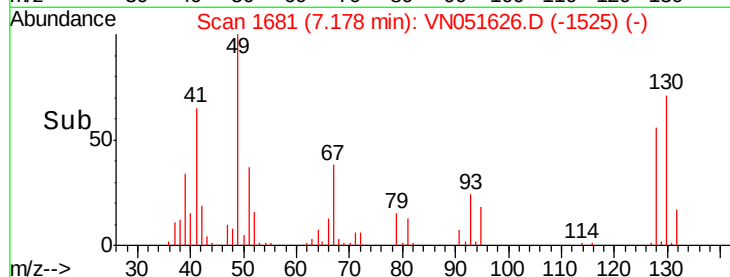
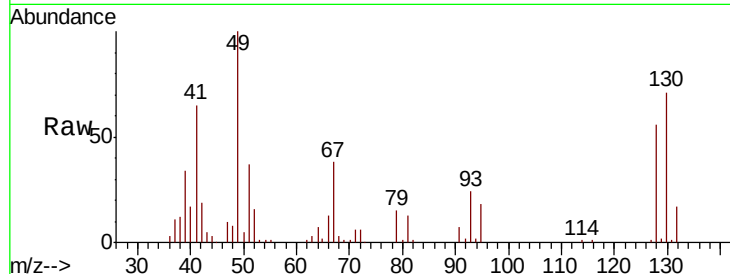




#35
Methacrylonitrile
Concen: 18.159 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

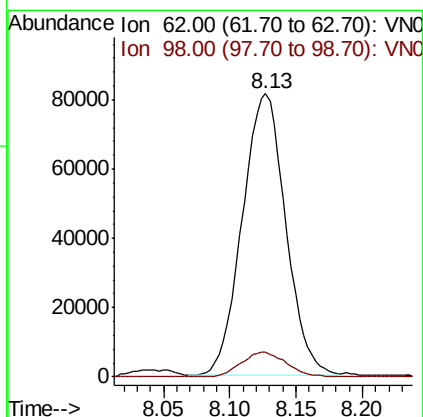
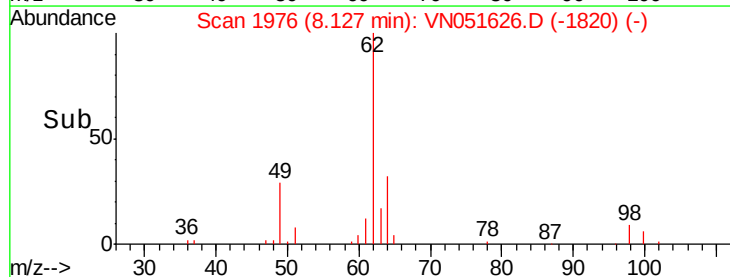
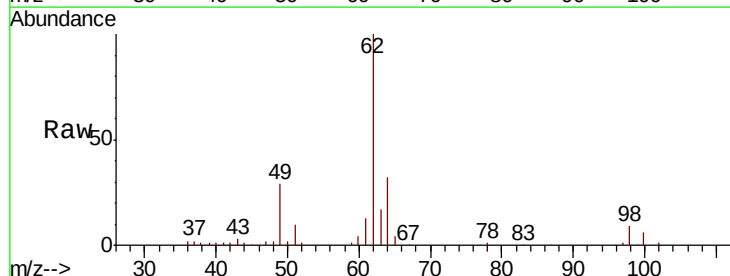
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

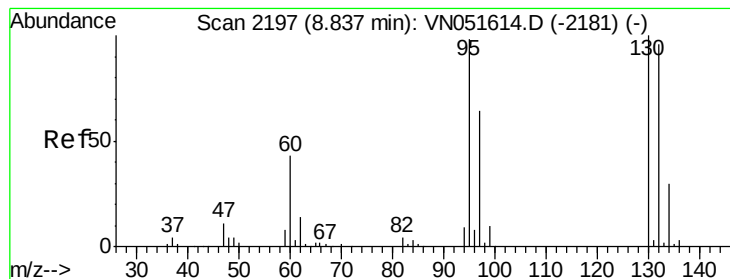
Tot Ion: 41 Resp: 54719
Ion Ratio Lower Upper
41 100
39 51.2 25.6 76.8
67 58.3 29.4 88.2
52 24.8 12.5 37.5



#36
1,2-Dichloroethane
Concen: 19.852 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion: 62 Resp: 184882
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2





#37

Trichloroethene

Concen: 19.552 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

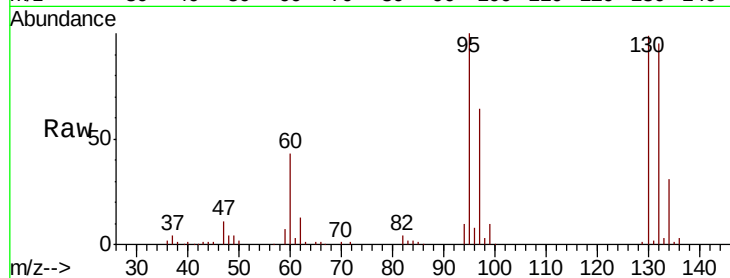
VSTDCCC020

Tot Ion:130 Resp: 146665

Ion Ratio Lower Upper

130 100

95 100.1 78.4 117.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.84

80000

60000

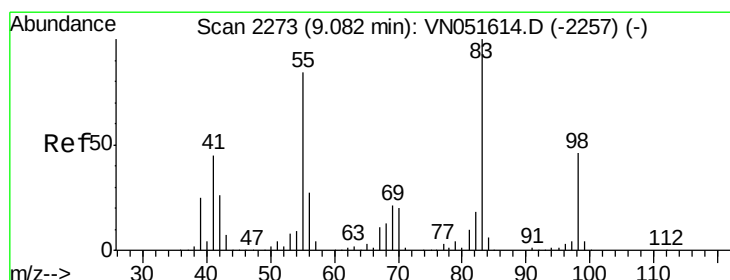
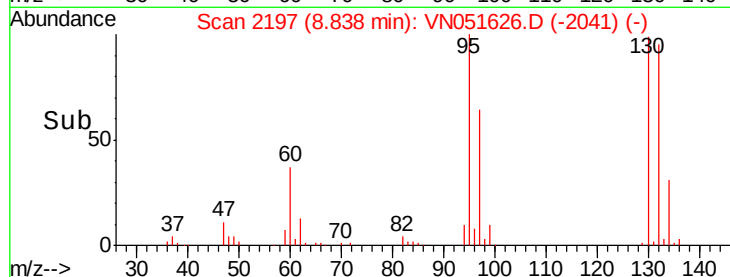
40000

20000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 18.942 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

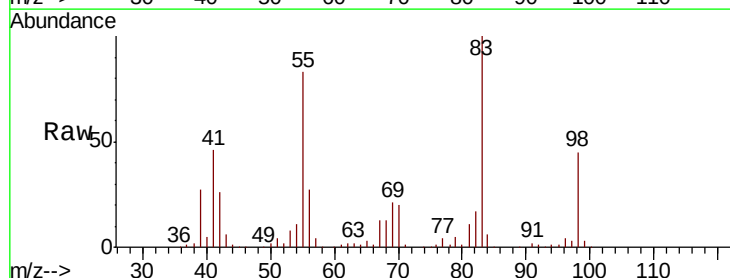
Tgt Ion: 83 Resp: 215245

Ion Ratio Lower Upper

83 100

55 84.5 41.6 124.9

98 45.2 23.1 69.2



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

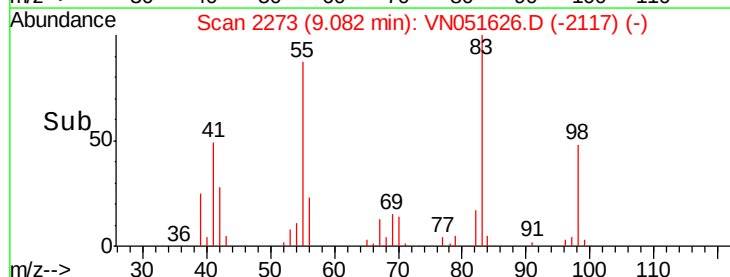
100000

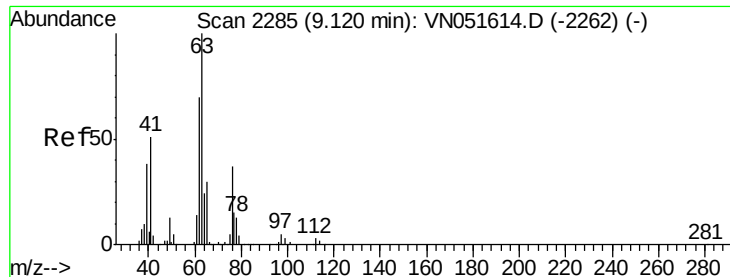
50000

0

9.00 9.05 9.10 9.15 9.20

Time-->





#39

1,2-Dichloropropane

Concen: 20.253 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

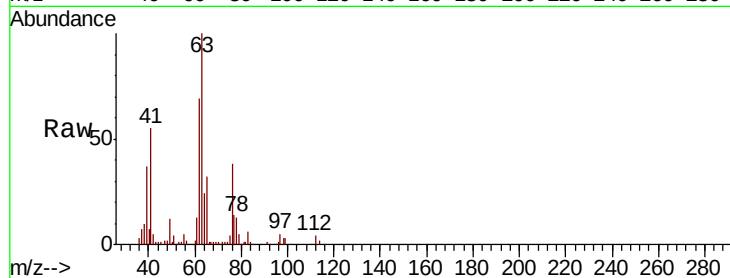
VSTDCCC020

Tot Ion: 63 Resp: 162136

Ion Ratio Lower Upper

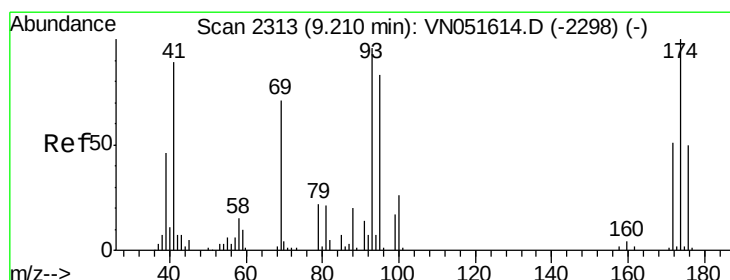
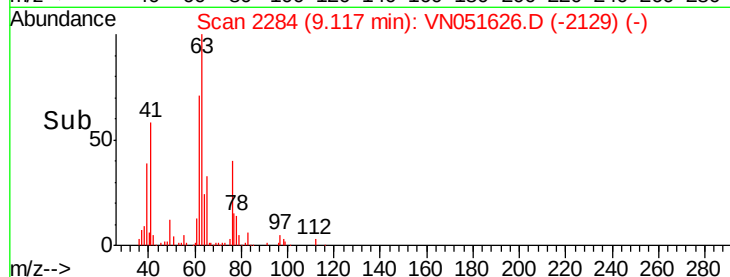
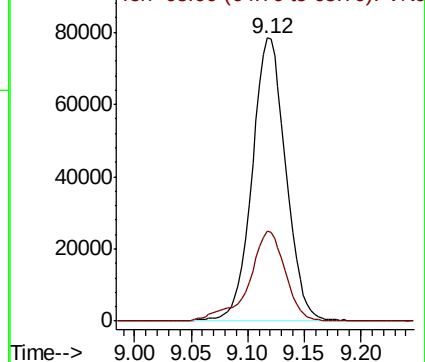
63 100

65 31.4 24.4 36.6



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.920 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

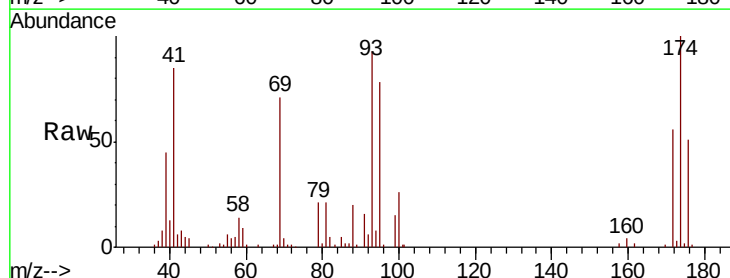
Tgt Ion: 93 Resp: 88589

Ion Ratio Lower Upper

93 100

95 84.3 0.0 171.0

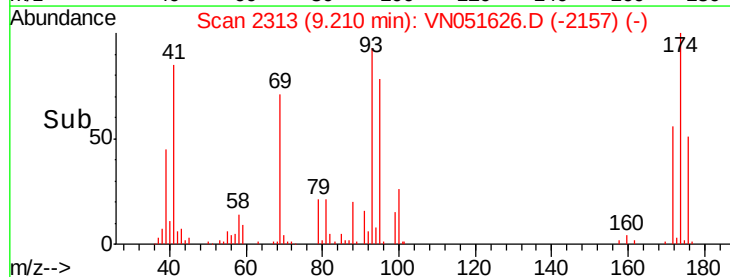
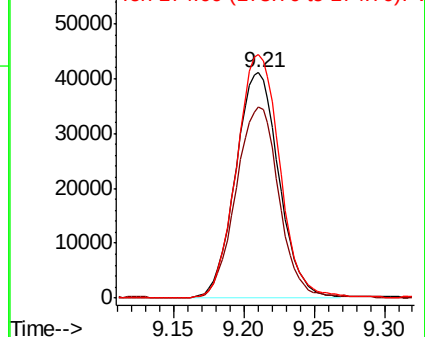
174 107.7 0.0 212.0

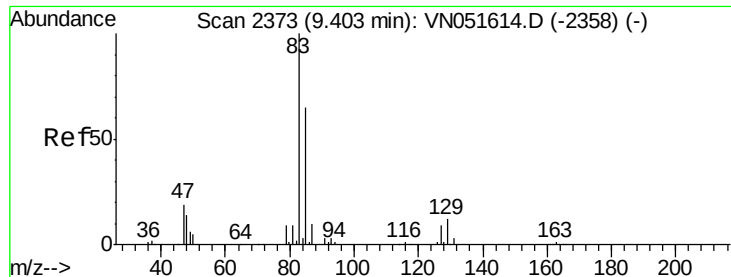


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

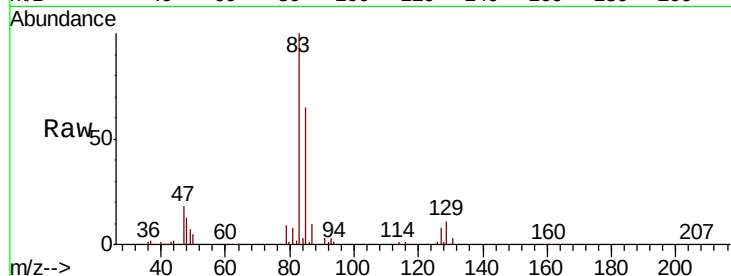




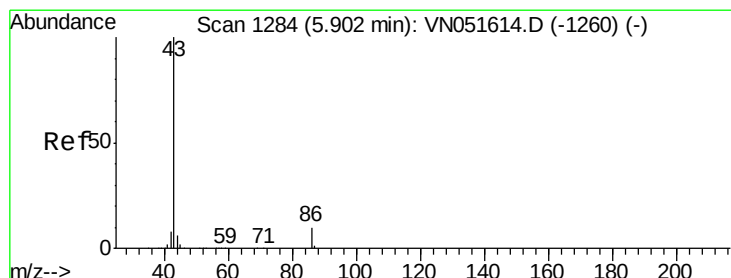
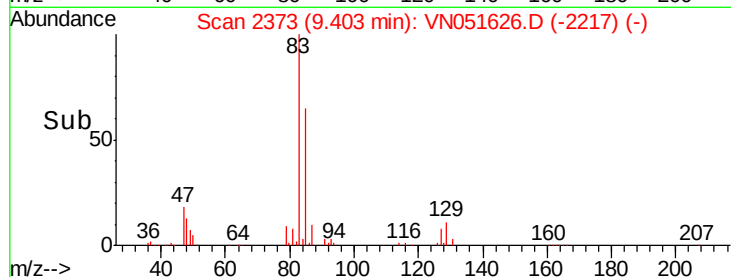
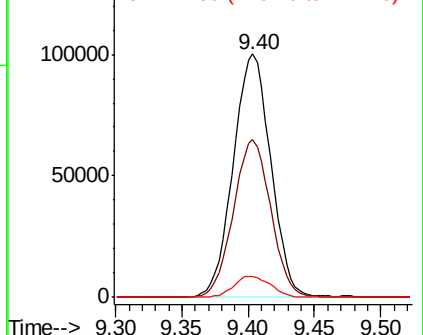
#41
Bromodichloromethane
Concen: 20.382 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 83 Resp: 197851
Ion Ratio Lower Upper
83 100
85 64.7 52.1 78.1
127 8.3 7.1 10.7

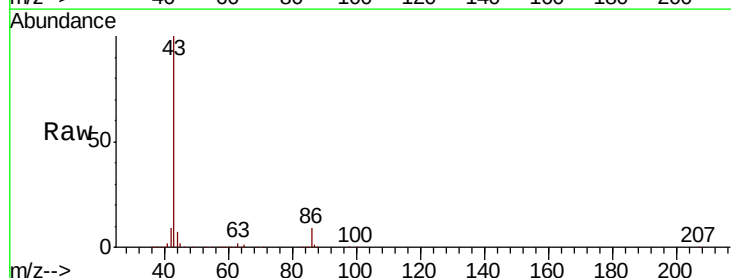


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

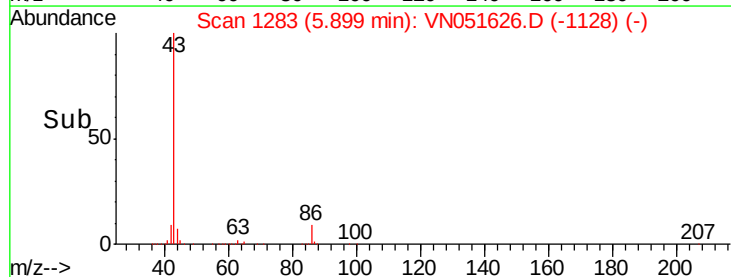
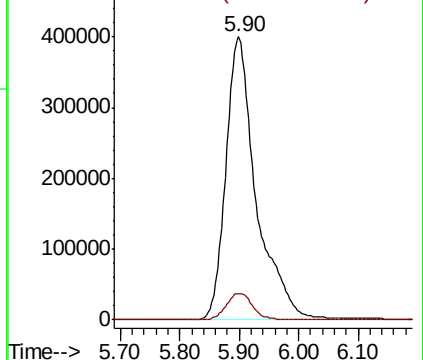


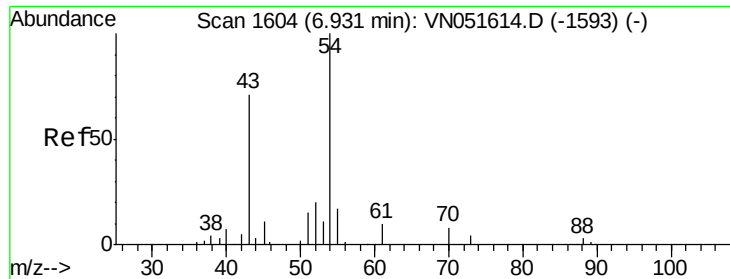
#42
Vinyl Acetate
Concen: 95.161 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion: 43 Resp: 1419904
Ion Ratio Lower Upper
43 100
86 8.1 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

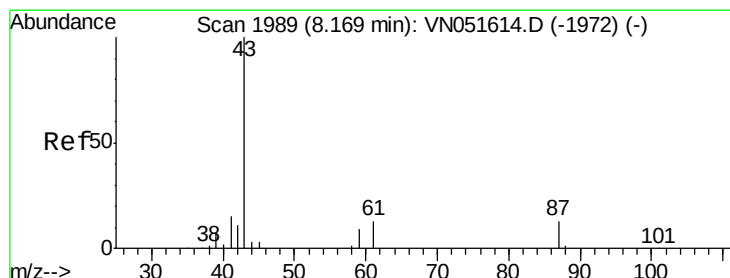
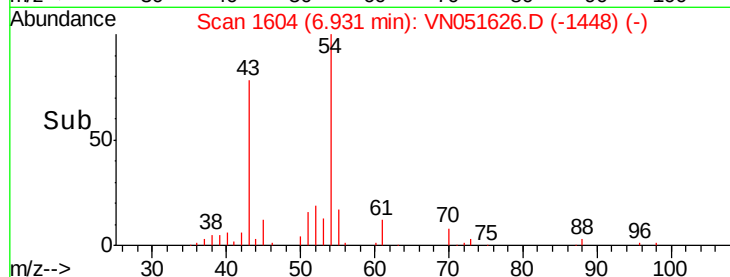
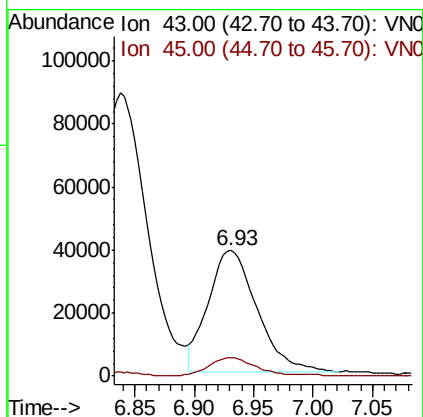
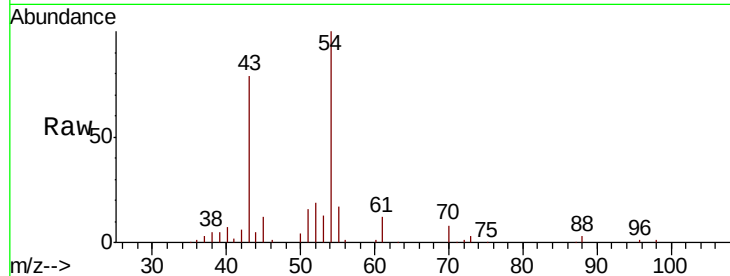




#43
Ethyl Acetate
Concen: 19.459 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

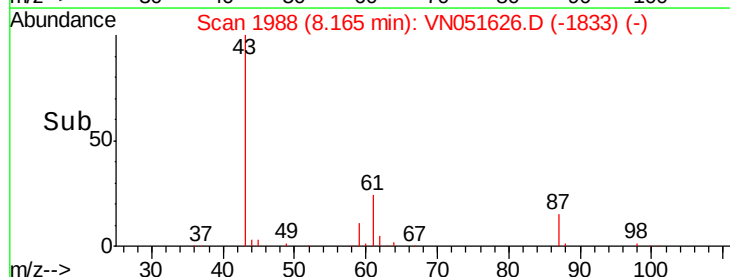
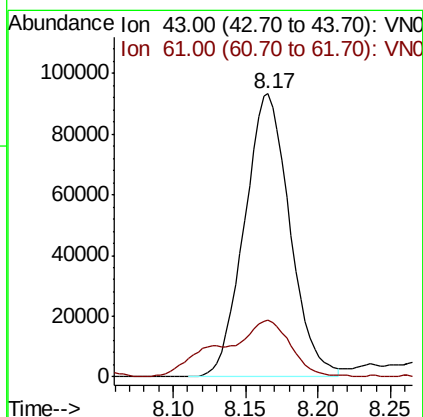
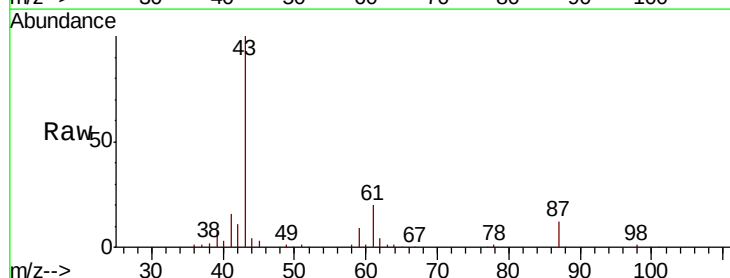
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

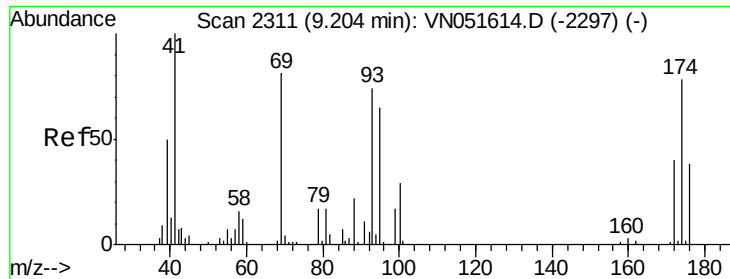
Tot Ion: 43 Resp: 110394
Ion Ratio Lower Upper
43 100
45 13.7 10.6 16.0



#44
Isopropyl Acetate
Concen: 18.206 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion: 43 Resp: 202237
Ion Ratio Lower Upper
43 100
61 18.8 15.4 23.0

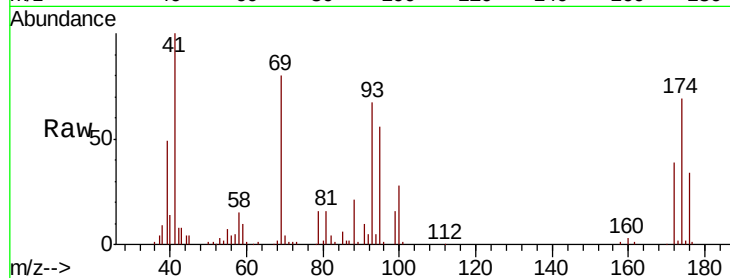




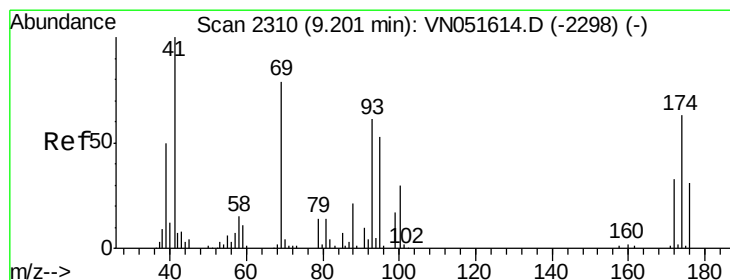
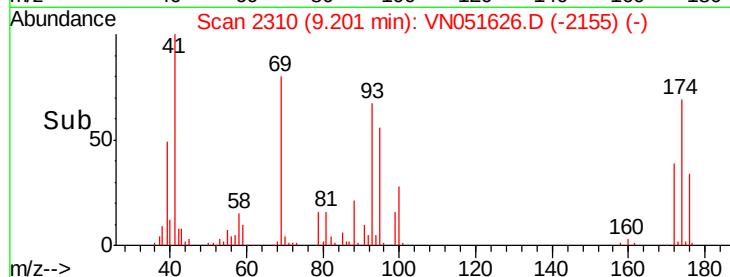
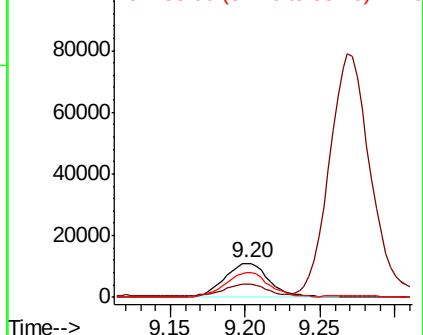
#45
 1,4-Dioxane
 Concen: 383.079 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 88 Resp: 23019
 Ion Ratio Lower Upper
 88 100
 43 32.7 29.0 43.6
 58 71.6 59.0 88.6

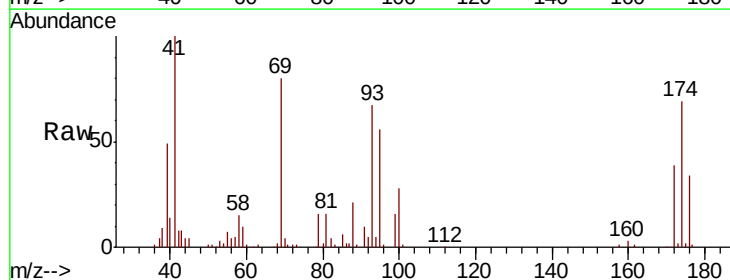


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

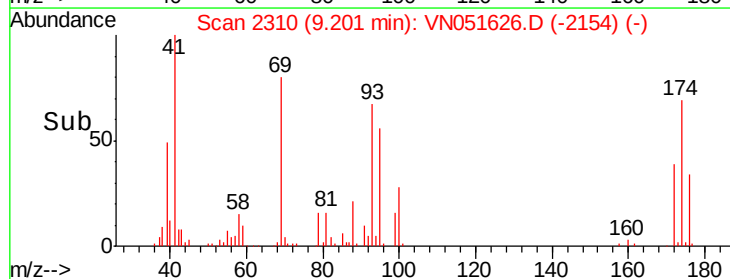
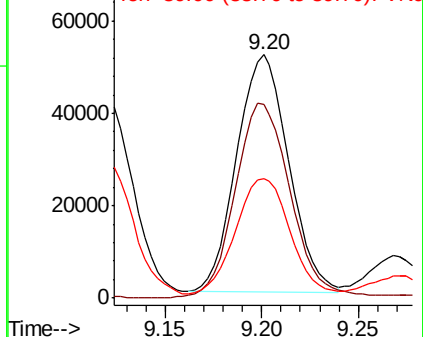


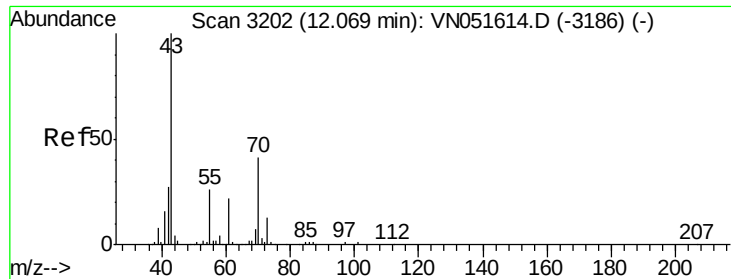
#46
 Methyl methacrylate
 Concen: 18.642 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion: 41 Resp: 96328
 Ion Ratio Lower Upper
 41 100
 69 81.1 39.6 118.7
 39 48.8 24.9 74.6



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





#47

n-amyl Acetate

Concen: 17.155 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

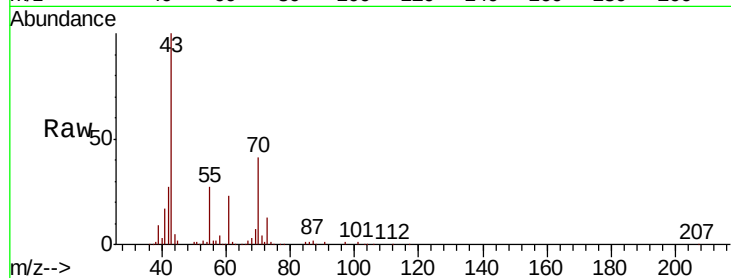
VSTDCCC020

Tot Ion: 43 Resp: 142584

Ion Ratio Lower Upper

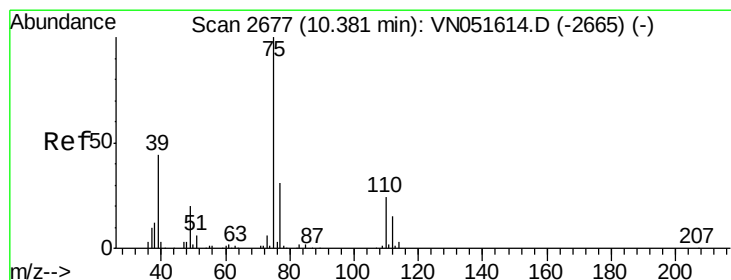
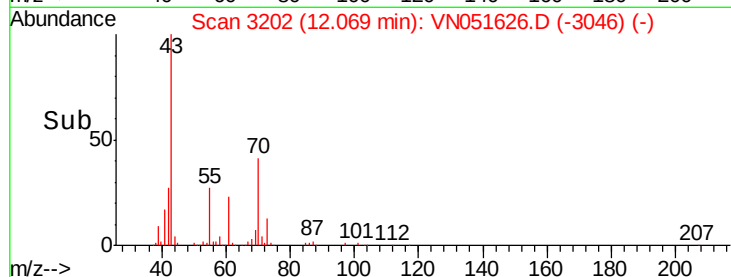
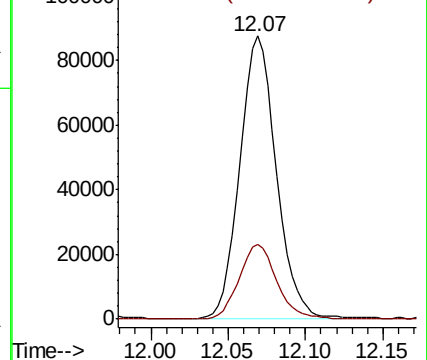
43 100

55 27.4 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 18.571 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051626.D

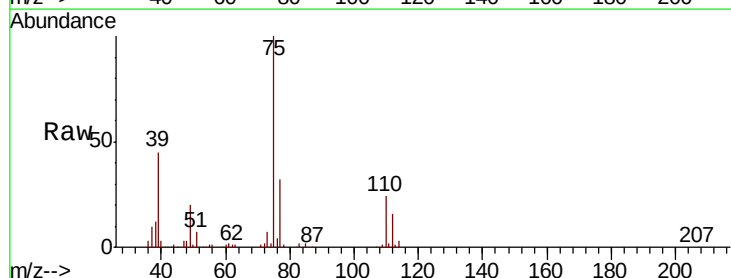
Acq: 1 Oct 2018 10:18

Tgt Ion: 75 Resp: 179931

Ion Ratio Lower Upper

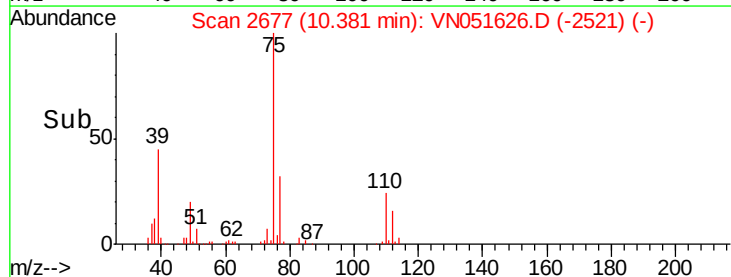
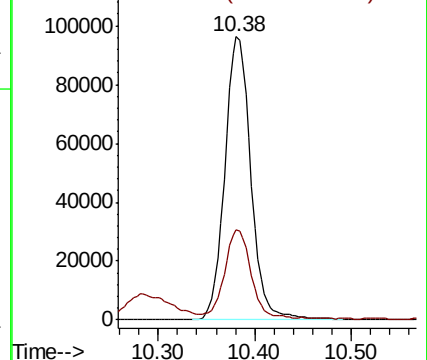
75 100

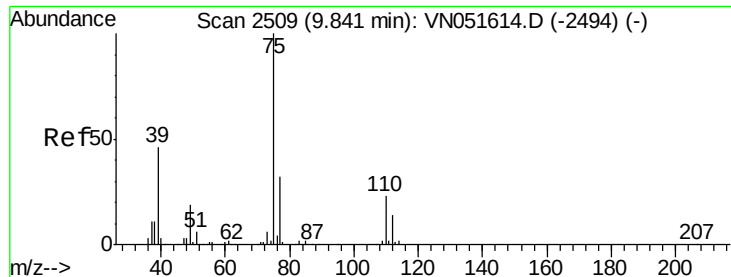
77 31.1 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

cis-1,3-Dichloropropene

Concen: 19.772 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

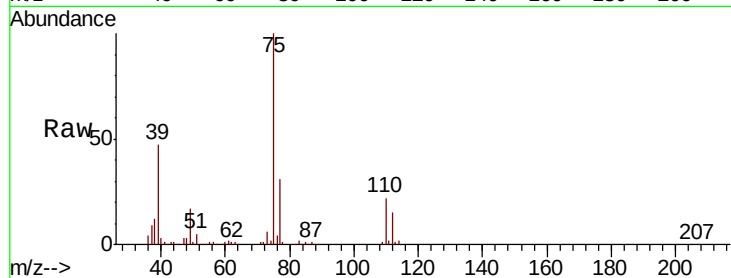
Tot Ion: 75 Resp: 223970

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

39 46.5 36.6 55.0

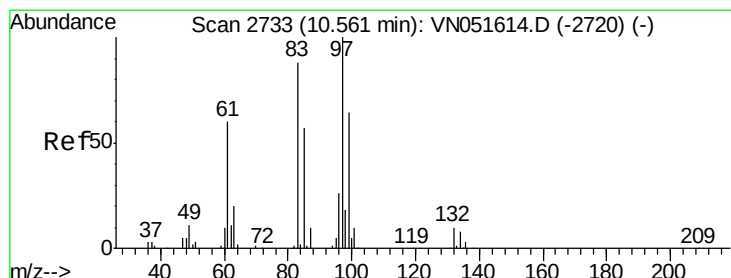
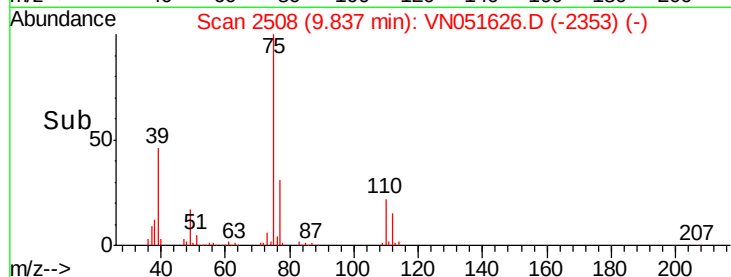
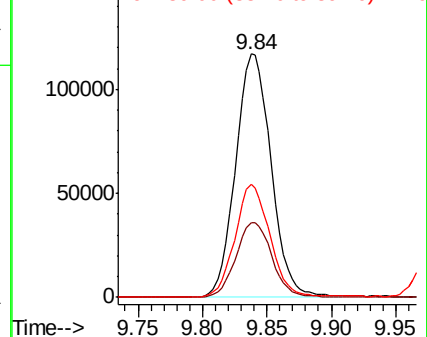


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane

Concen: 20.141 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Tgt Ion: 97 Resp: 126578

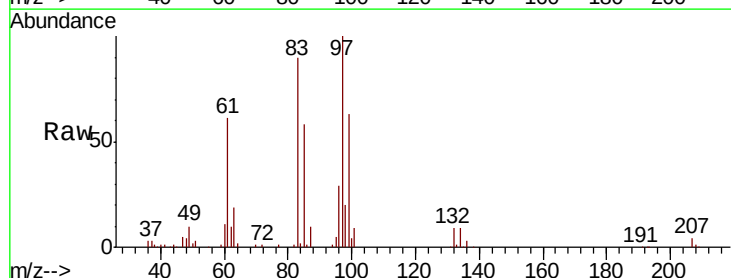
Ion Ratio Lower Upper

97 100

83 90.4 70.2 105.2

85 57.7 45.6 68.4

99 63.1 51.5 77.3



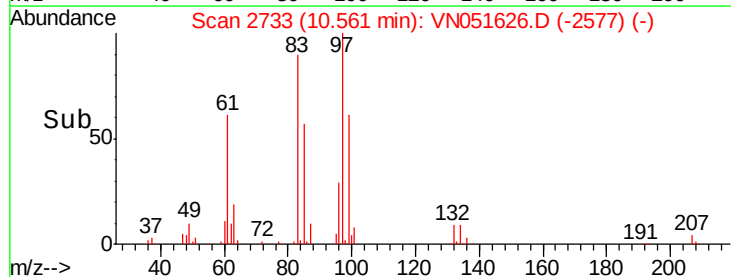
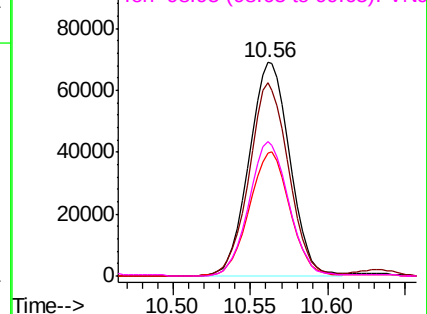
Abundance

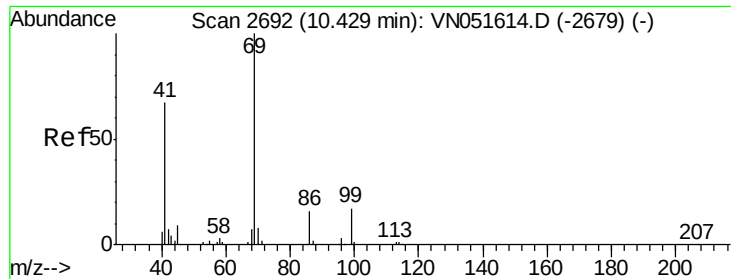
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 17.868 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

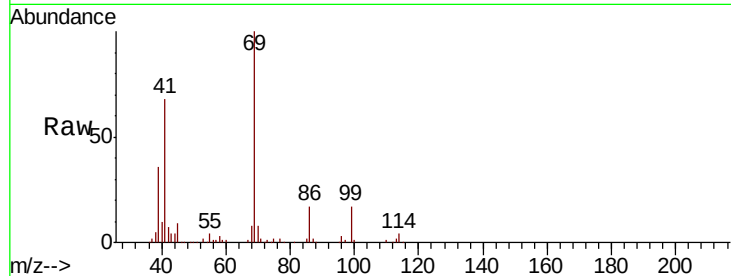
Tot Ion: 69 Resp: 136243

Ion Ratio Lower Upper

69 100

41 67.6 33.3 99.8

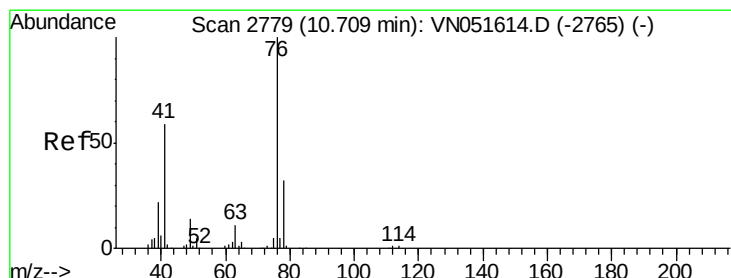
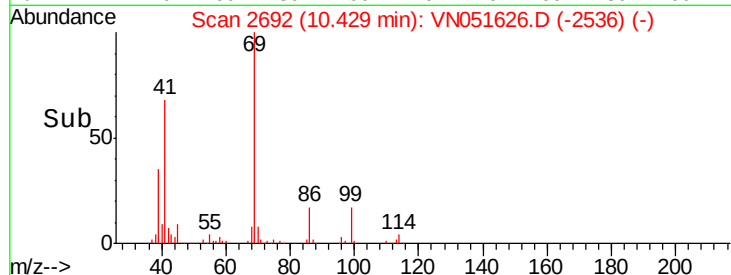
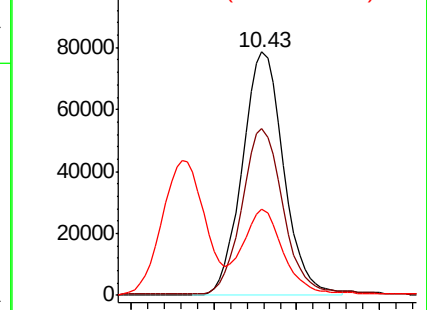
39 34.4 17.2 51.6



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: 19.807 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051626.D

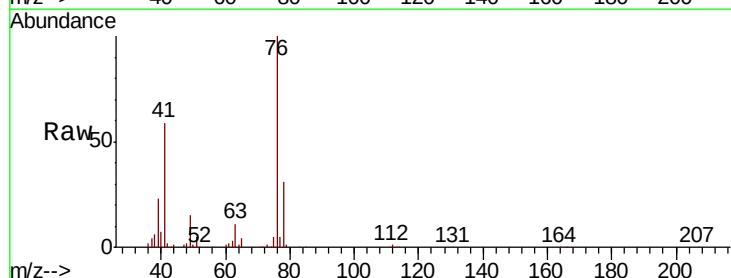
Acq: 1 Oct 2018 10:18

Tgt Ion: 76 Resp: 213437

Ion Ratio Lower Upper

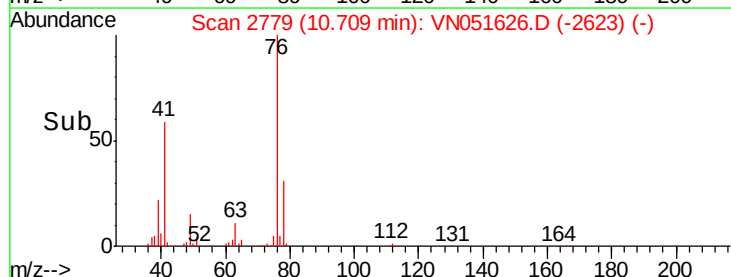
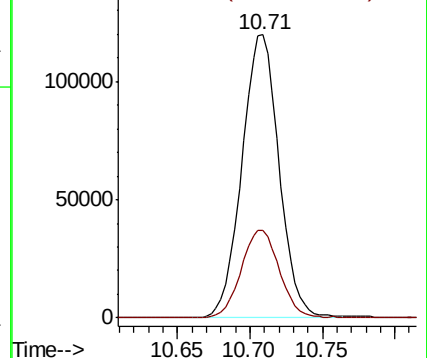
76 100

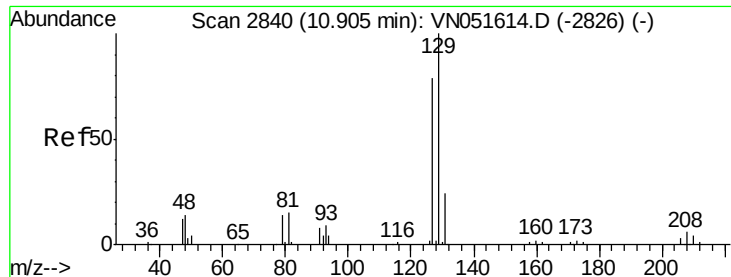
78 31.7 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

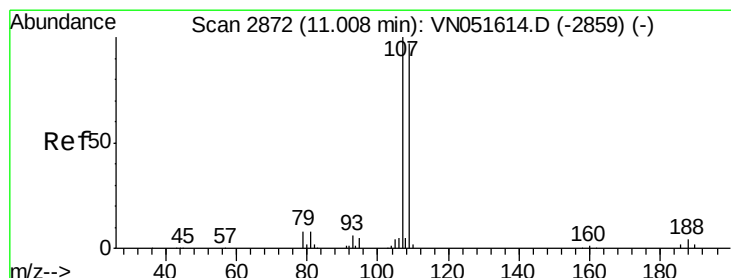
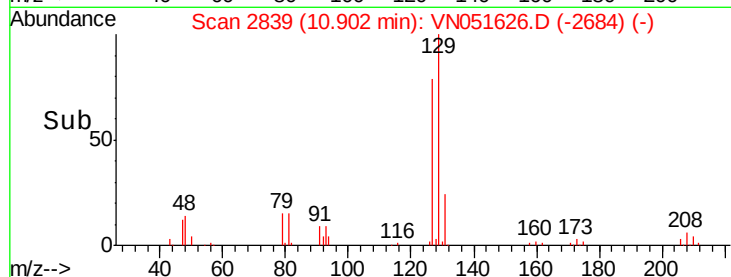
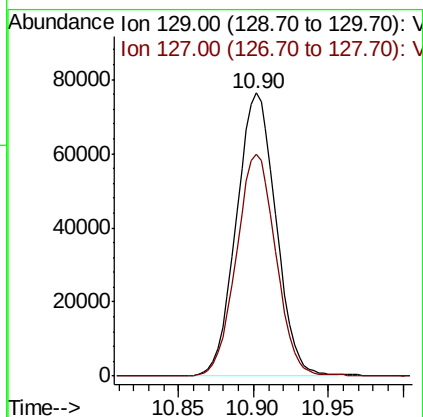
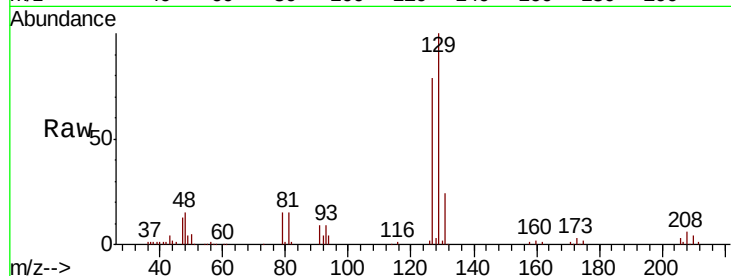




#53
 Dibromochloromethane
 Concen: 19.642 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

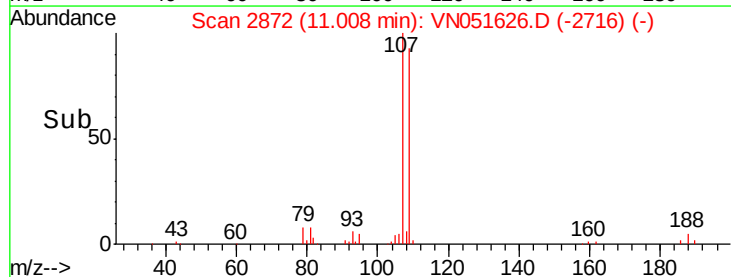
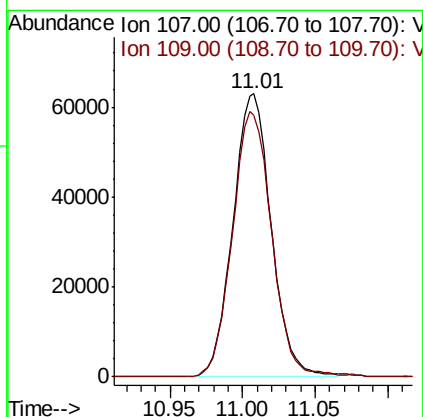
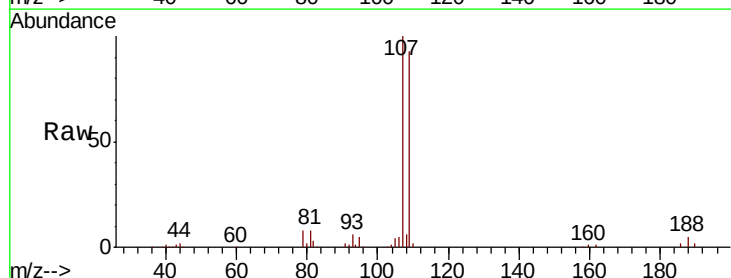
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

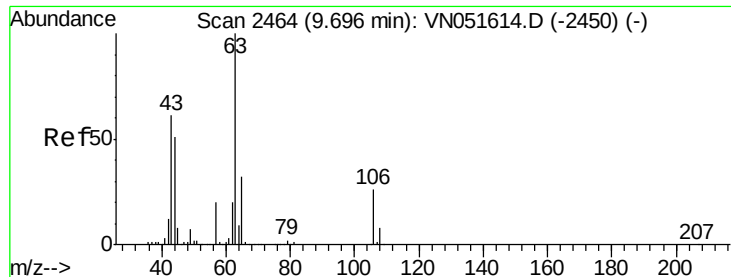
Tot Ion:129 Resp: 140596
 Ion Ratio Lower Upper
 129 100
 127 78.0 38.9 116.7



#54
 1,2-Dibromoethane
 Concen: 19.183 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion:107 Resp: 115678
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.5 114.7

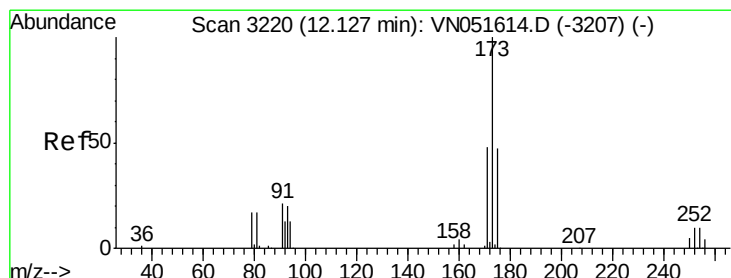
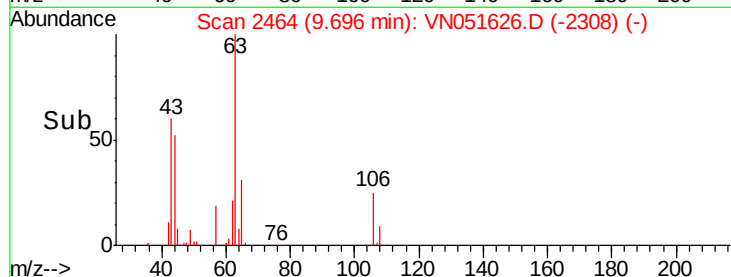
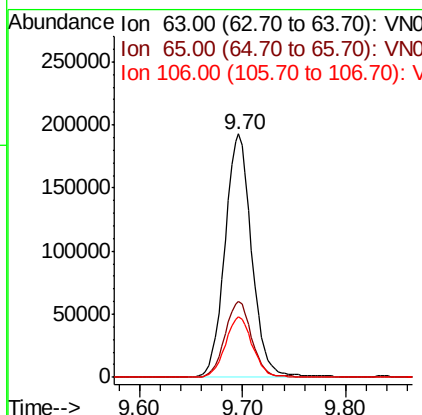
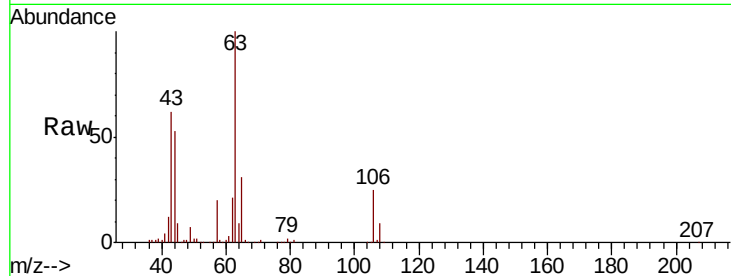




#55
2-Chloroethyl vinyl ether
Concen: 92.758 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

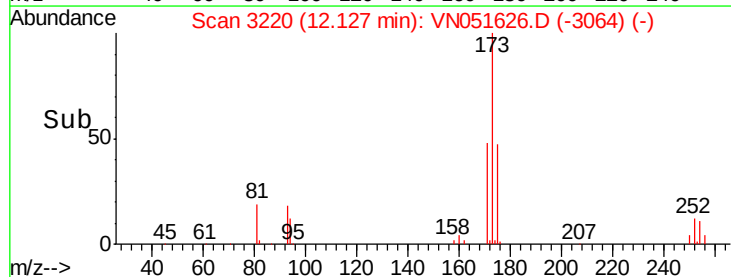
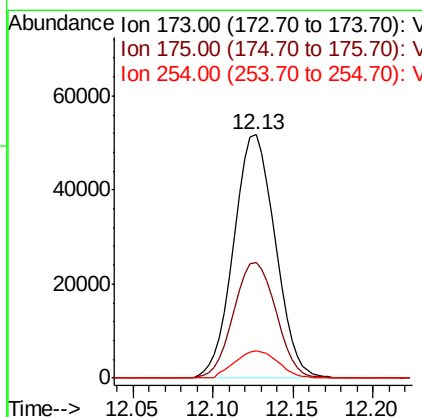
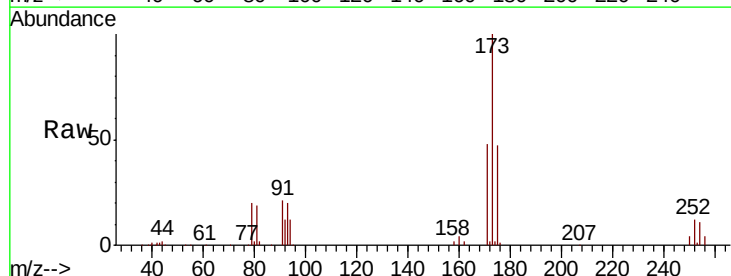
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

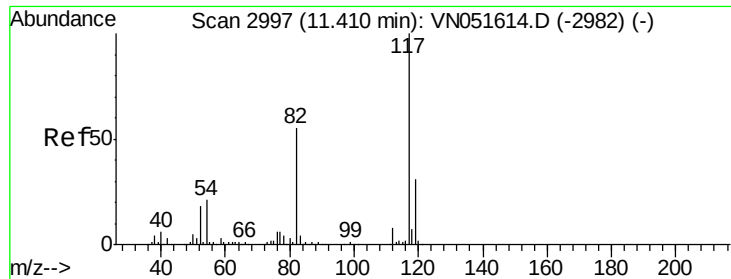
Tot Ion: 63 Resp: 349599
Ion Ratio Lower Upper
63 100
65 31.0 25.8 38.6
106 25.2 20.4 30.6



#56
Bromoform
Concen: 19.357 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion: 173 Resp: 91939
Ion Ratio Lower Upper
173 100
175 48.4 39.0 58.4
254 11.6 8.7 13.1

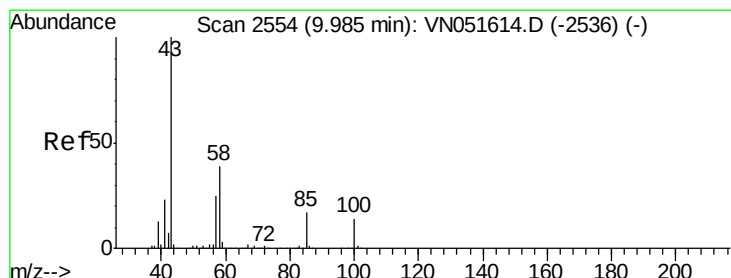
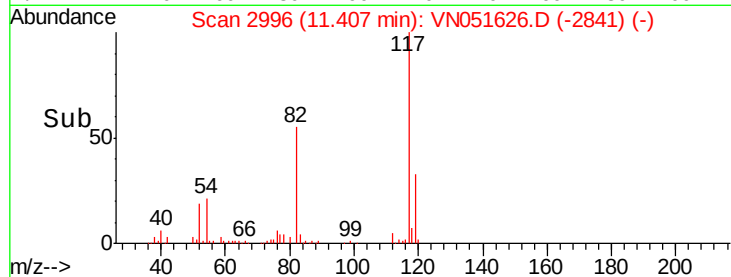
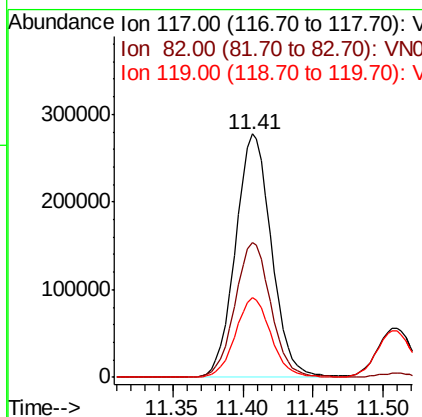
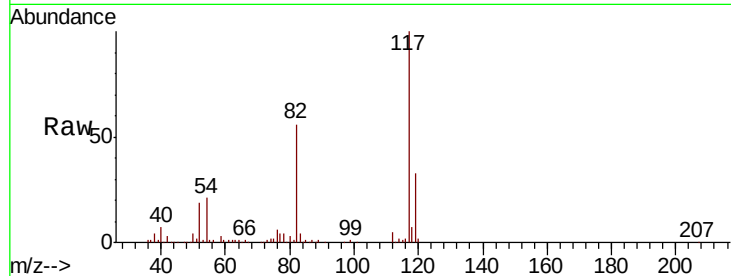




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

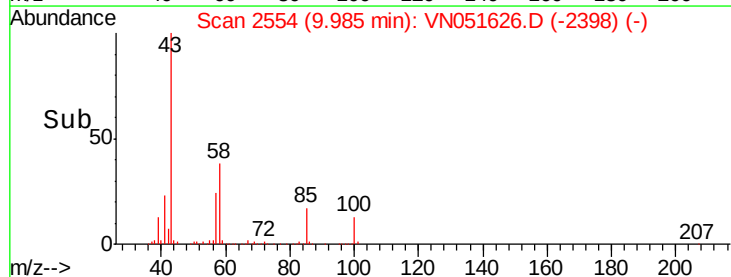
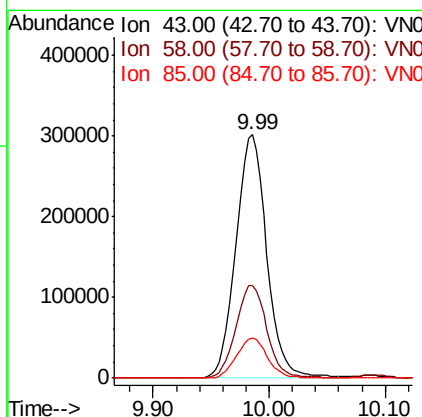
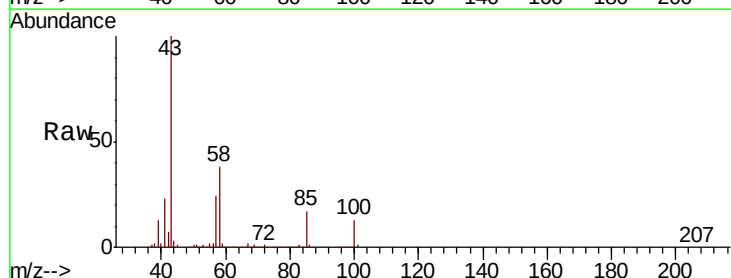
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

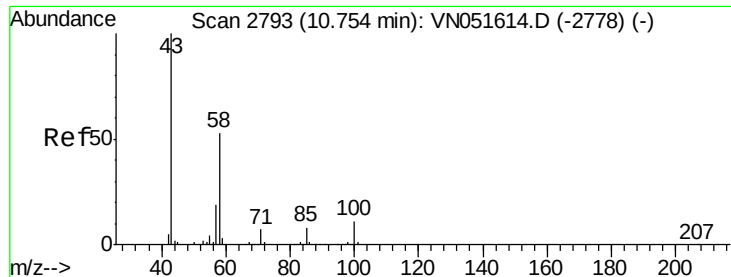
Tot Ion:117 Resp: 495900
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 32.3 25.2 37.8



#58
4-Methyl-2-Pentanone
Concen: 98.442 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion: 43 Resp: 554254
Ion Ratio Lower Upper
43 100
58 38.4 31.0 46.4
85 16.6 13.4 20.2

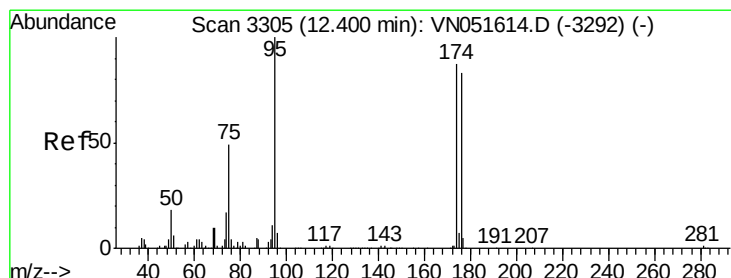
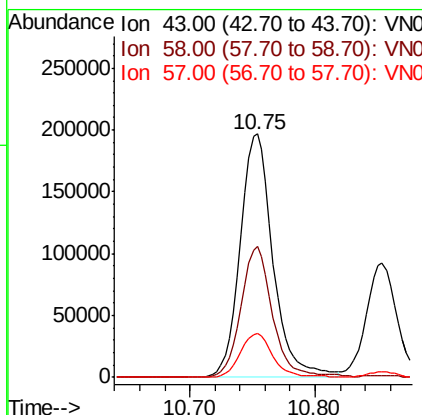
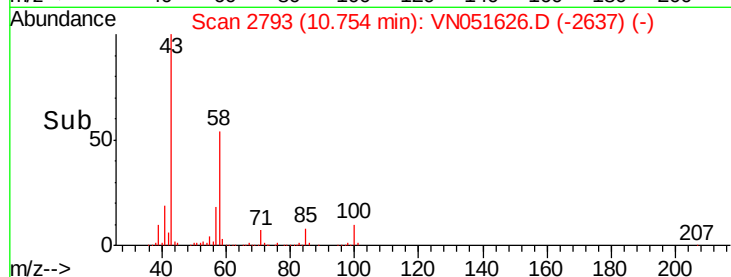
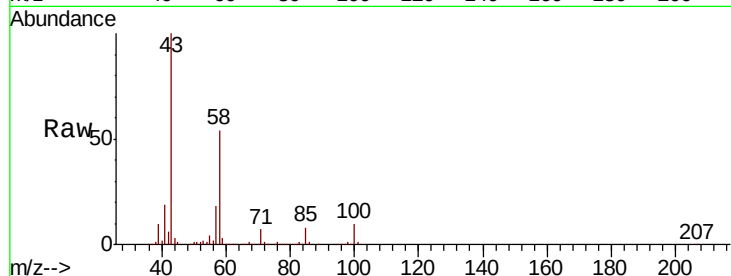




#59
2-Hexanone
Concen: 96.041 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

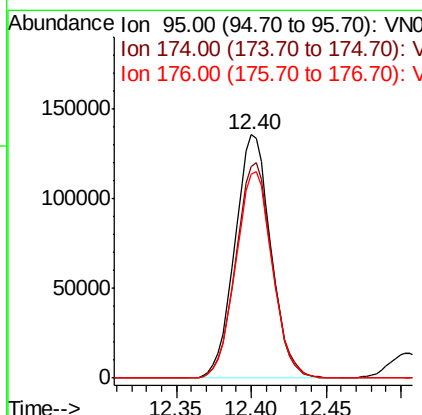
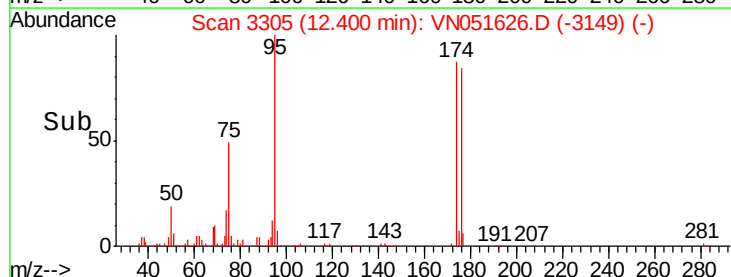
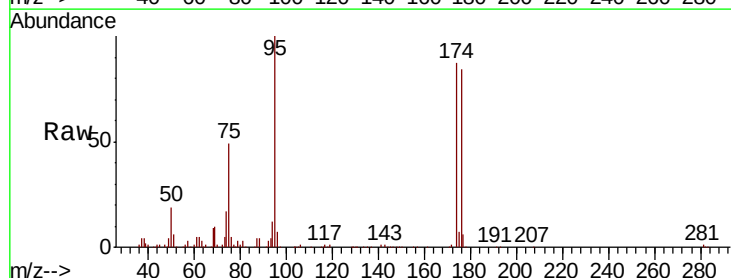
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

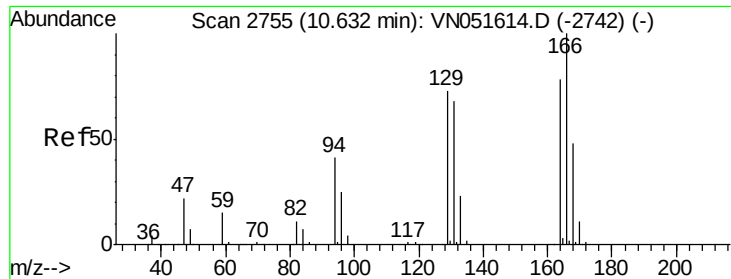
Tot Ion: 43 Resp: 355734
Ion Ratio Lower Upper
43 100
58 52.1 41.5 62.3
57 17.7 14.2 21.4



#60
4-Bromofluorobenzene
Concen: 96.041 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion: 95 Resp: 227074
Ion Ratio Lower Upper
95 100
174 89.6 71.2 106.8
176 86.4 67.8 101.8





#61

Tetrachloroethene

Concen: 20.482 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 143805

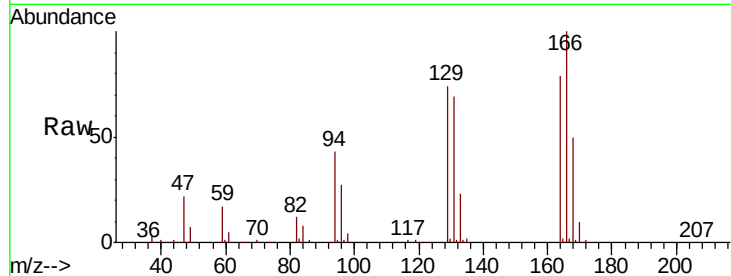
Ion Ratio Lower Upper

164 100

166 126.4 103.1 154.7

129 94.1 75.3 112.9

131 87.5 70.8 106.2

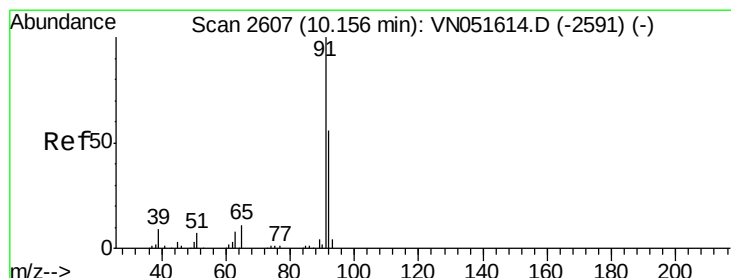
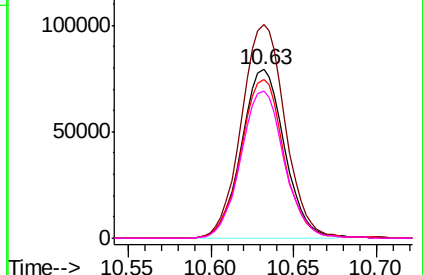
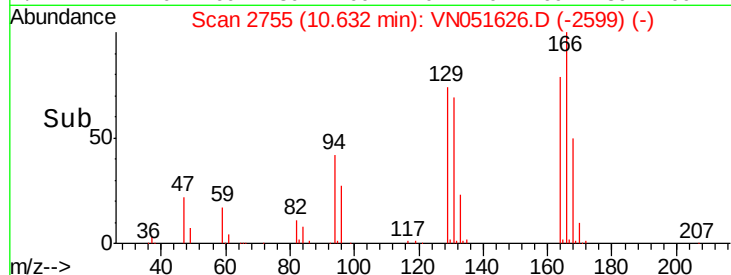


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.228 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051626.D

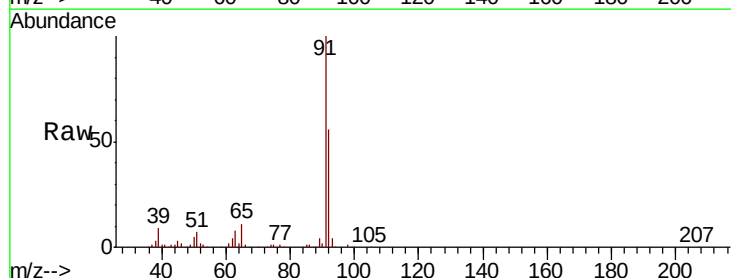
Acq: 1 Oct 2018 10:18

Tgt Ion: 91 Resp: 615069

Ion Ratio Lower Upper

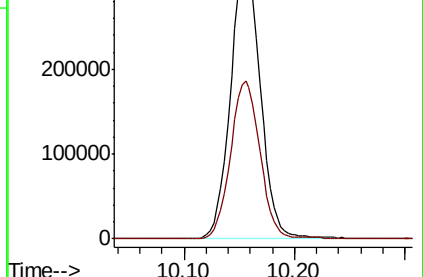
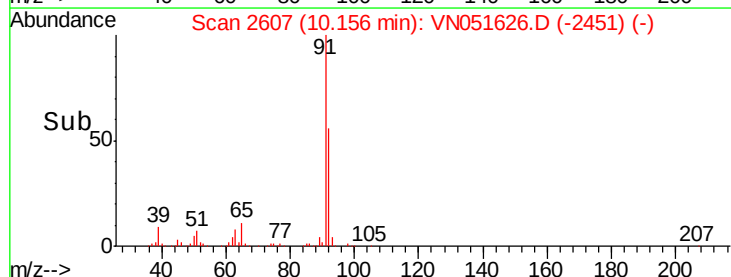
91 100

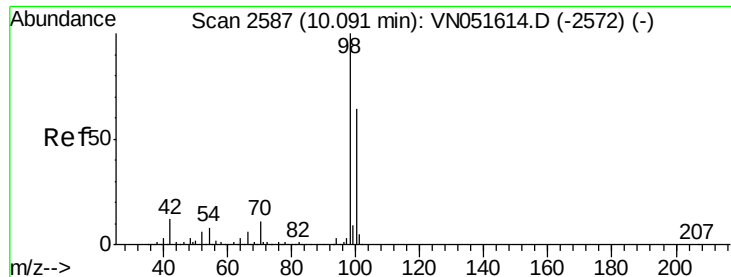
92 56.5 45.3 67.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.228 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

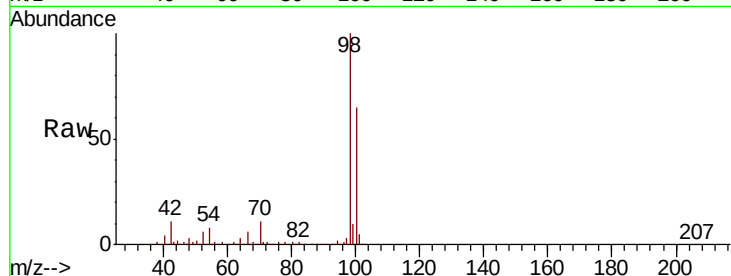
VSTDCCC020

Tot Ion: 98 Resp: 719846

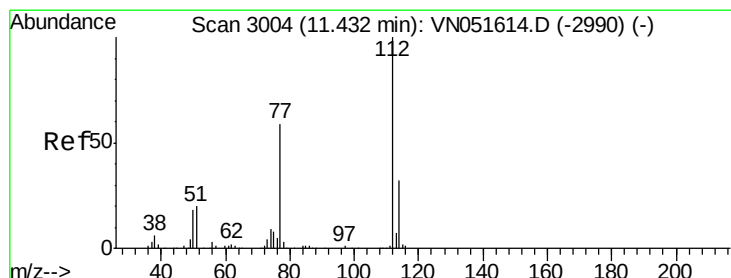
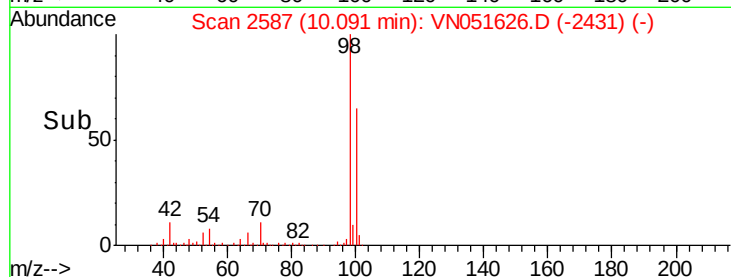
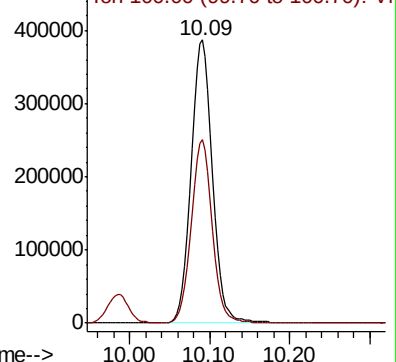
Ion Ratio Lower Upper

98 100

100 62.9 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN051614.D (-2572) (-)



#64

Chlorobenzene

Concen: 19.637 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051626.D

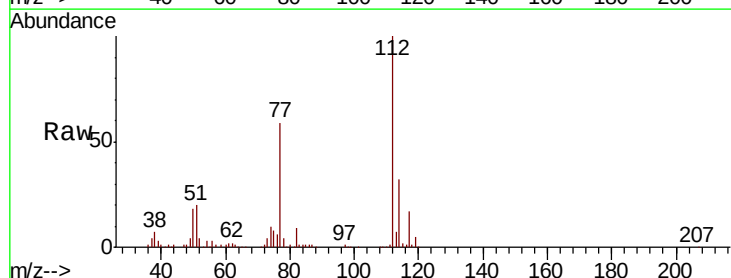
Acq: 1 Oct 2018 10:18

Tgt Ion: 112 Resp: 361029

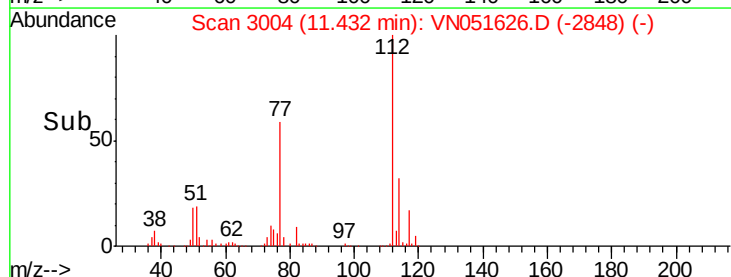
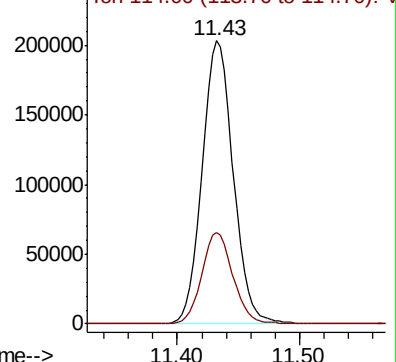
Ion Ratio Lower Upper

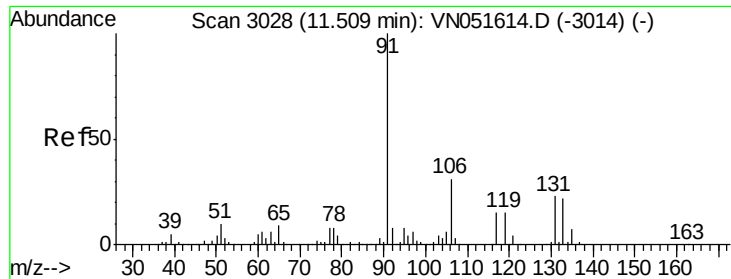
112 100

114 32.2 25.9 38.9



Abundance Ion 112.00 (111.70 to 112.70): VN051614.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 20.282 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

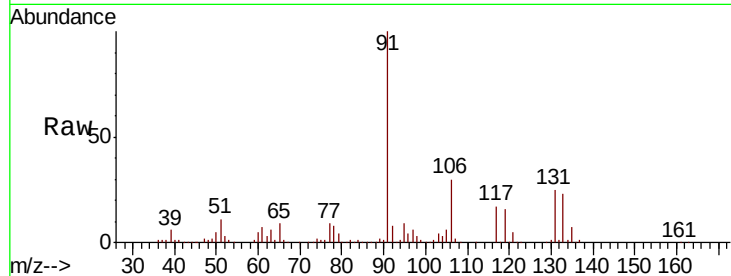
Tot Ion:131 Resp: 142385

Ion Ratio Lower Upper

131 100

133 94.6 0.0 193.0

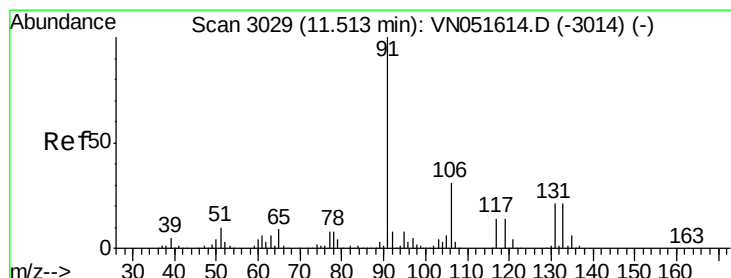
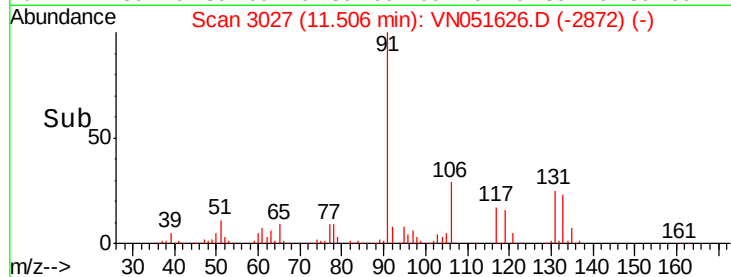
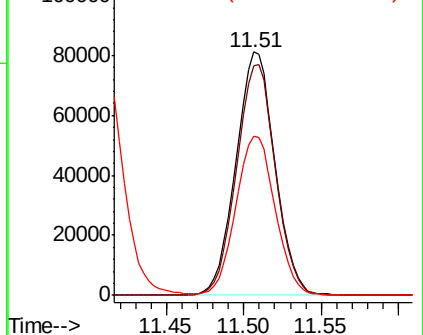
119 65.9 0.0 135.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 19.219 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051626.D

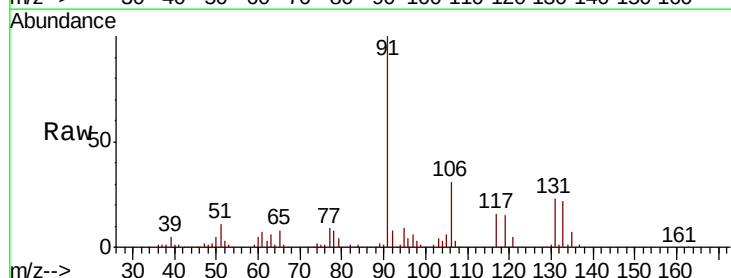
Acq: 1 Oct 2018 10:18

Tgt Ion: 91 Resp: 598092

Ion Ratio Lower Upper

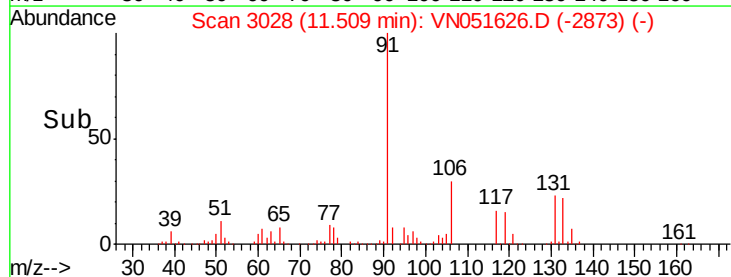
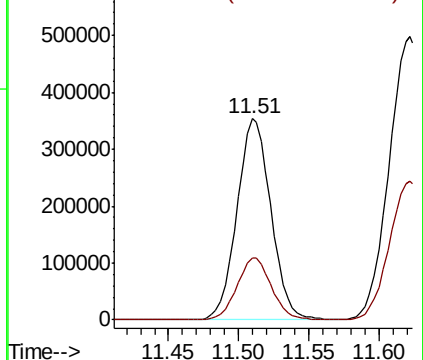
91 100

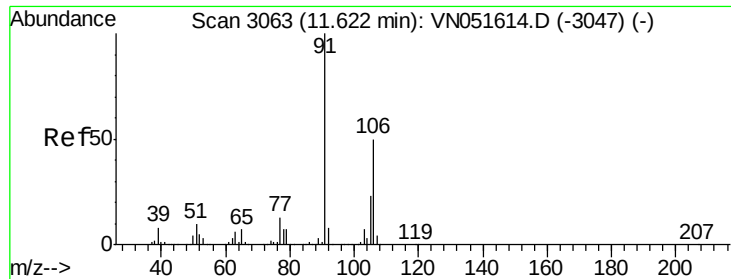
106 31.0 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

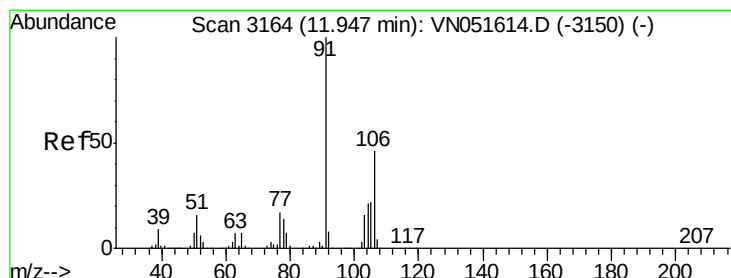
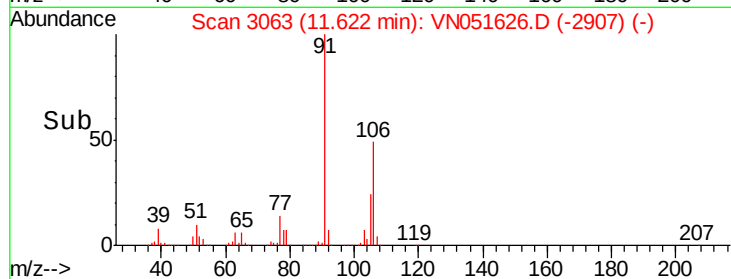
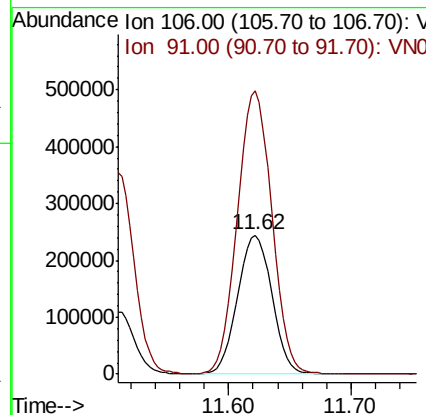
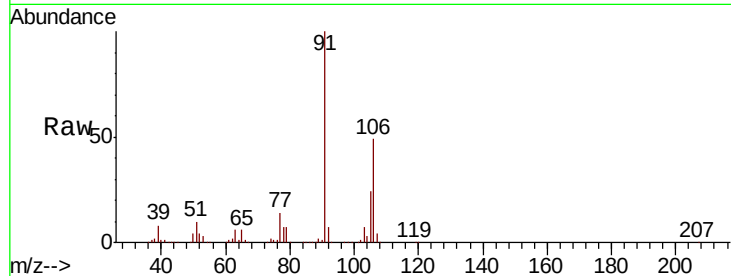




#67
m/p-Xylenes
Concen: 39.784 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

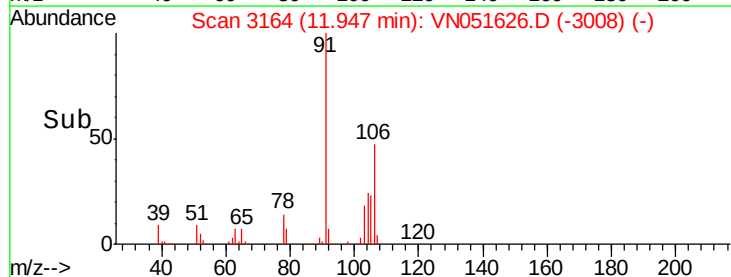
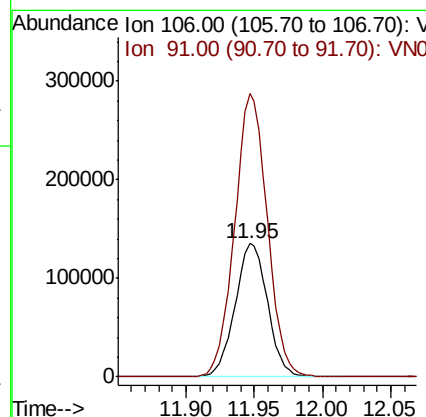
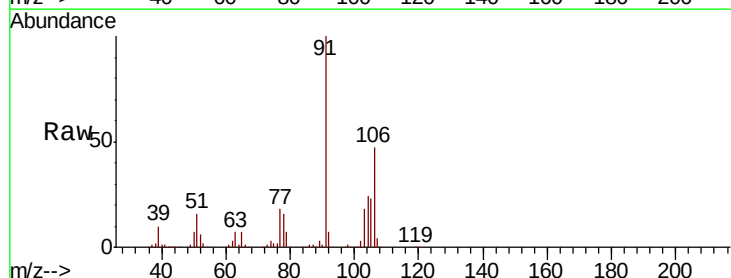
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

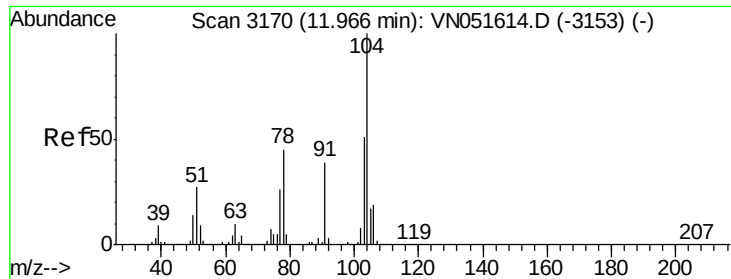
Tot Ion:106 Resp: 477170
Ion Ratio Lower Upper
106 100
91 204.9 161.5 242.3



#68
o-Xylene
Concen: 19.500 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion:106 Resp: 223259
Ion Ratio Lower Upper
106 100
91 213.8 109.7 329.1

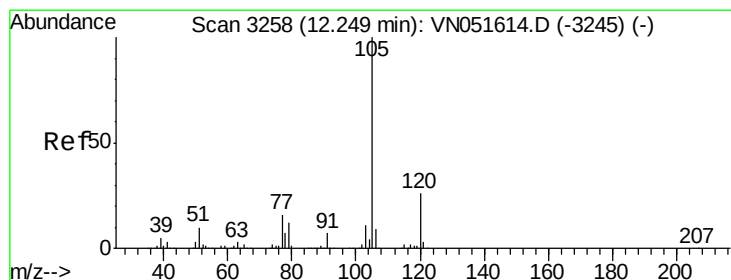
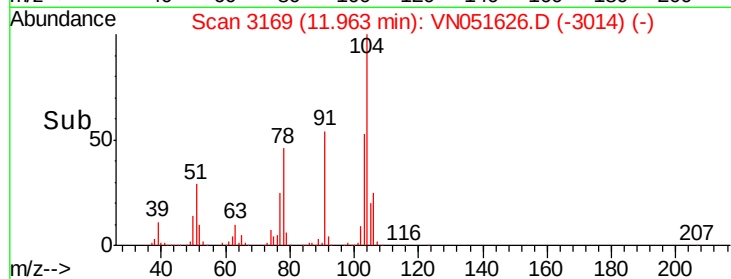
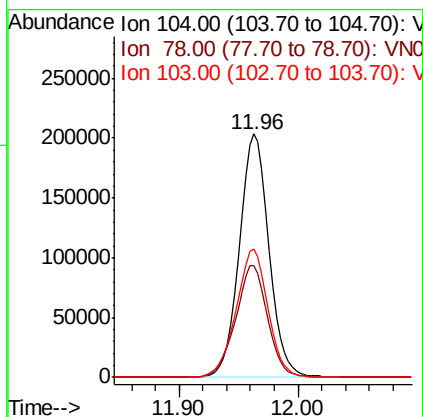
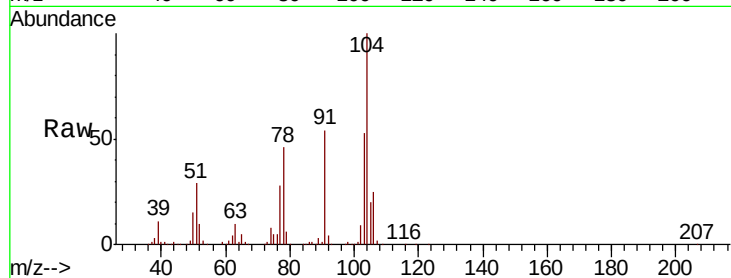




#69
Stvrene
Concen: 19.500 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

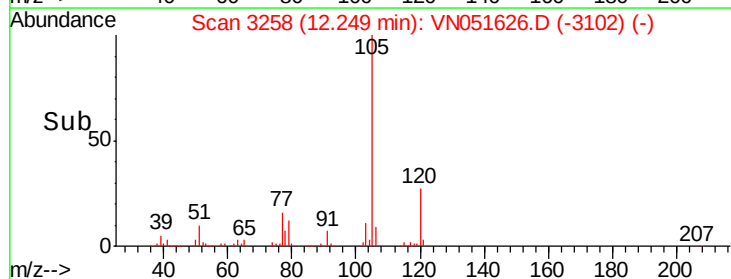
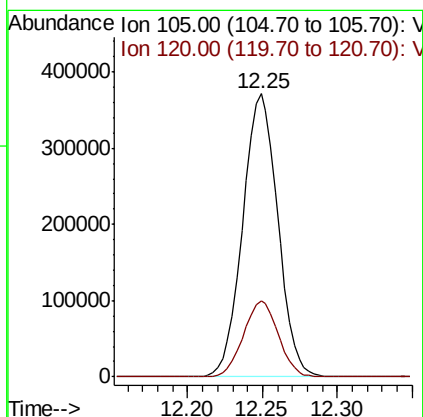
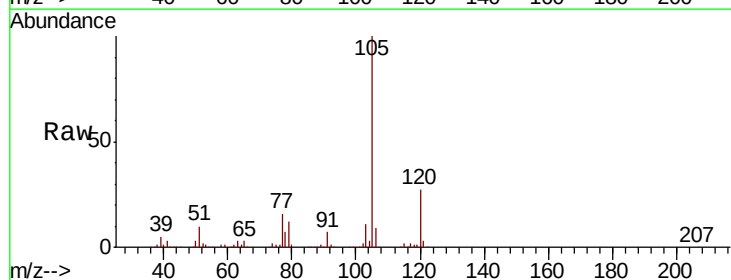
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

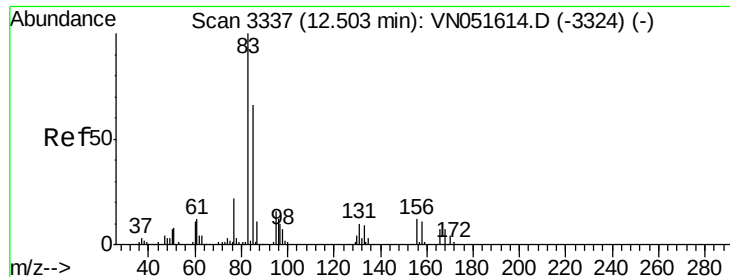
Tot Ion:104 Resp: 350433
Ion Ratio Lower Upper
104 100
78 49.8 40.3 60.5
103 56.7 45.7 68.5



#70
Isopropylbenzene
Concen: 19.858 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion:105 Resp: 606466
Ion Ratio Lower Upper
105 100
120 26.6 18.7 34.7

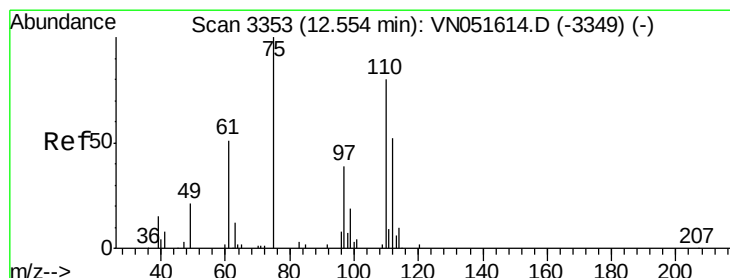
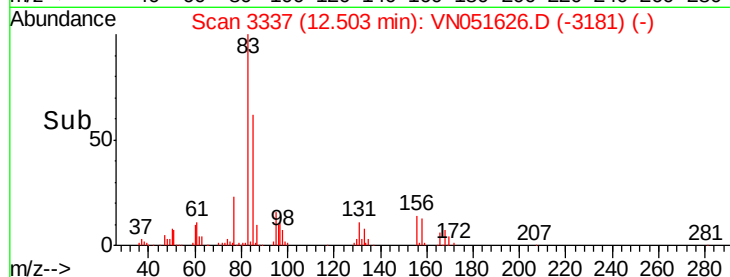
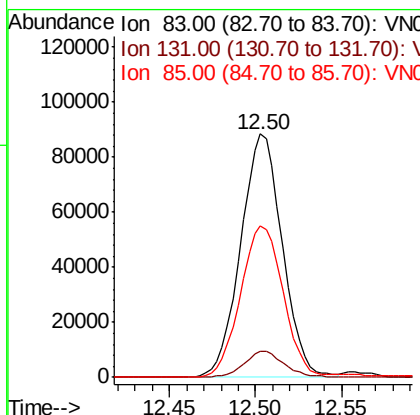
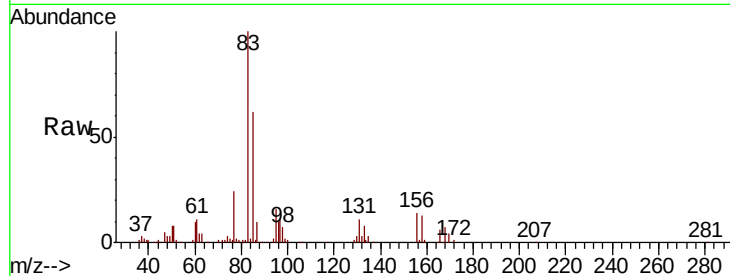




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.072 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

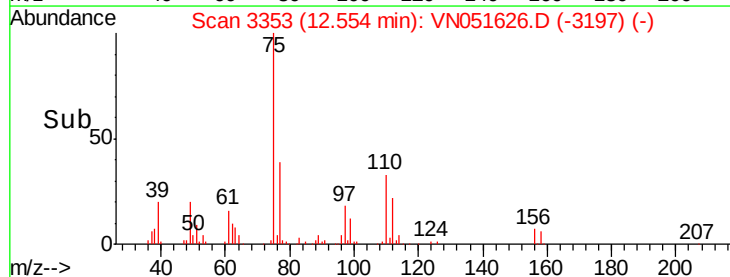
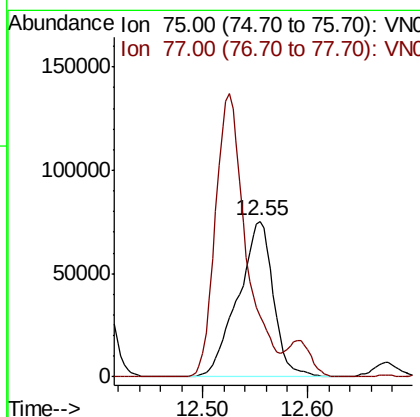
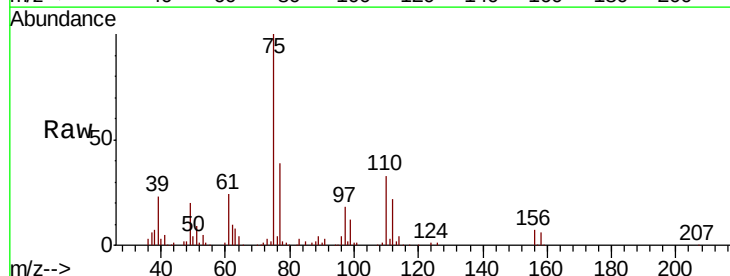
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

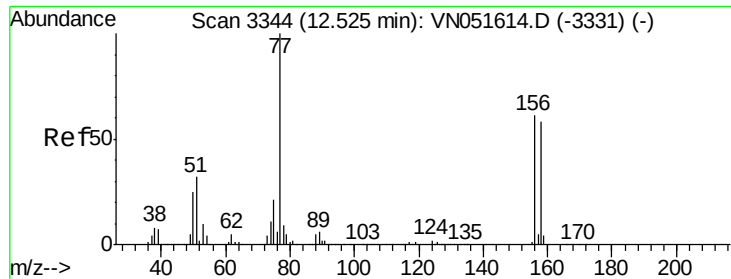
Tot Ion: 83 Resp: 148315
 Ion Ratio Lower Upper
 83 100
 131 10.4 5.2 15.6
 85 63.6 32.0 96.2



#72
 1,2,3-Trichloropropane
 Concen: 27.776 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion: 75 Resp: 175473
 Ion Ratio Lower Upper
 75 100
 77 157.3 0.0 492.2





#73

Bromobenzene

Concen: 19.374 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

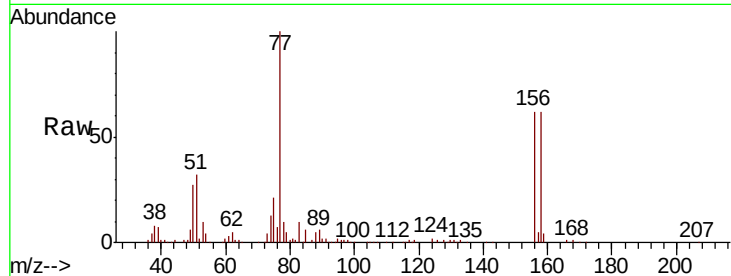
Tot Ion:156 Resp: 147251

Ion Ratio Lower Upper

156 100

77 187.5 0.0 385.2

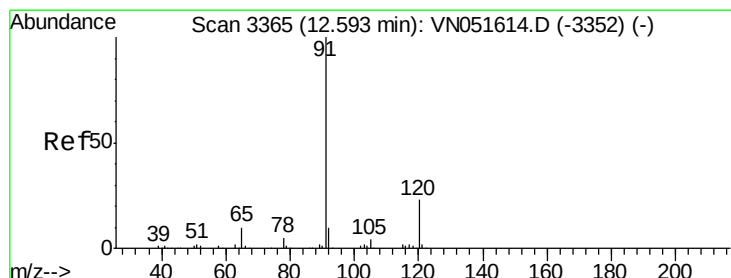
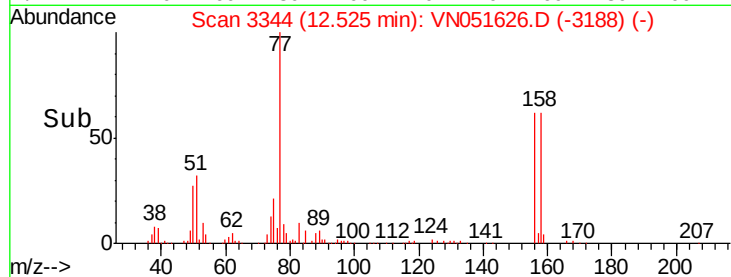
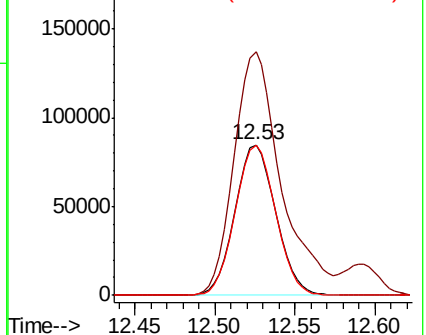
158 98.5 0.0 195.6



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



#74

n-propylbenzene

Concen: 19.624 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051626.D

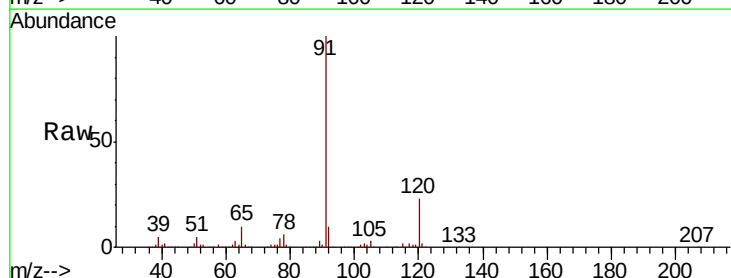
Acq: 1 Oct 2018 10:18

Tgt Ion: 91 Resp: 697724

Ion Ratio Lower Upper

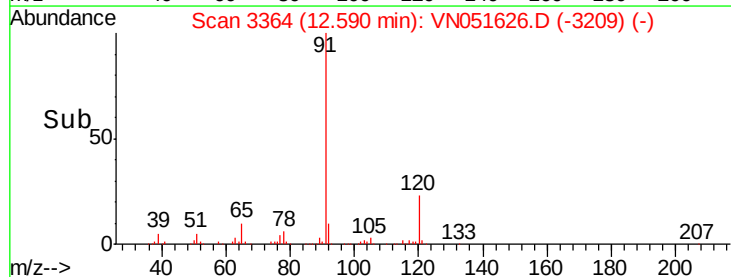
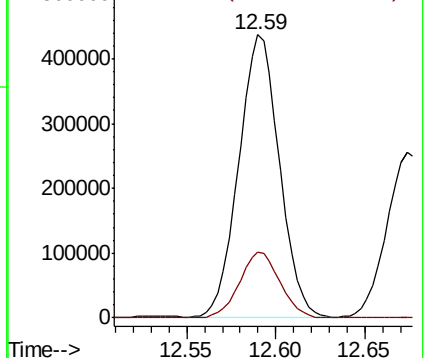
91 100

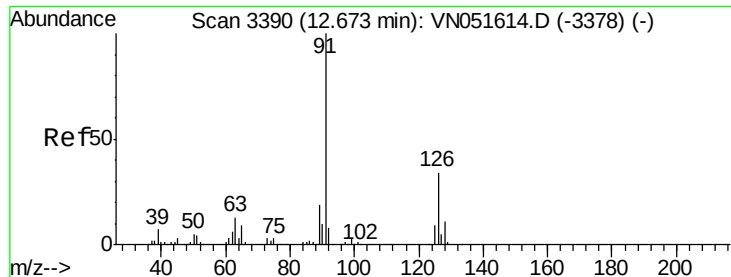
120 23.0 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.040 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

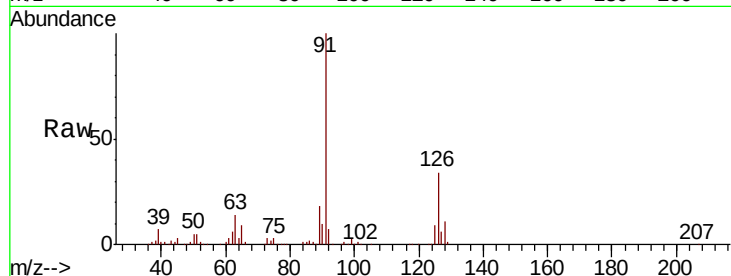
VSTDCCC020

Tot Ion: 91 Resp: 425462

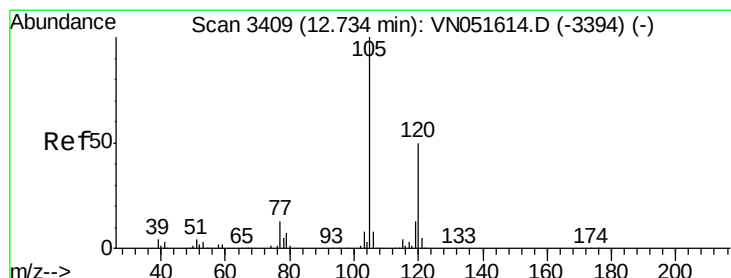
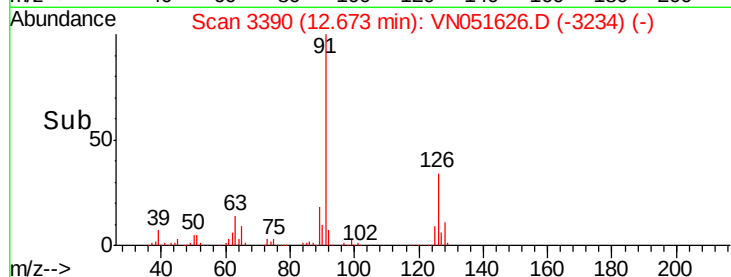
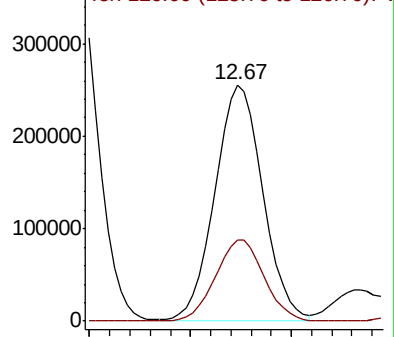
Ion Ratio Lower Upper

91 100

126 34.7 0.0 69.2



Abundance Ion 91.00 (90.70 to 91.70): VN051614.D (-3378) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.063 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051626.D

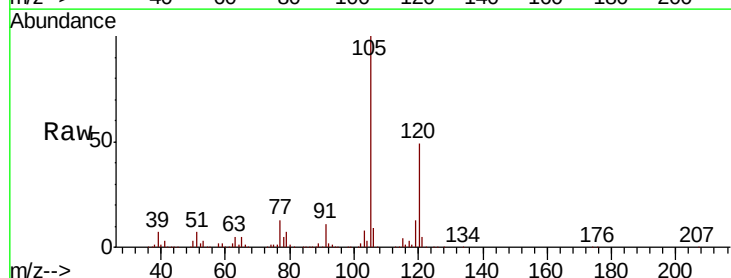
Acq: 1 Oct 2018 10:18

Tgt Ion: 105 Resp: 511991

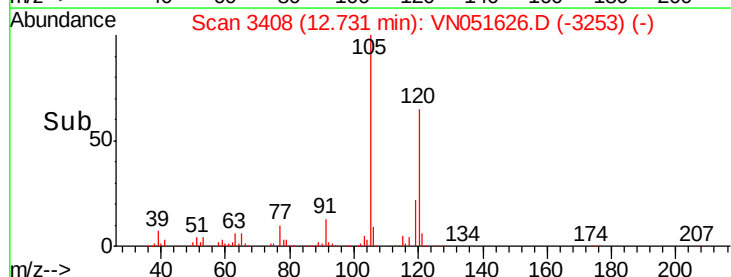
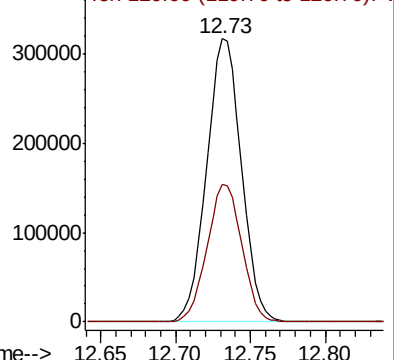
Ion Ratio Lower Upper

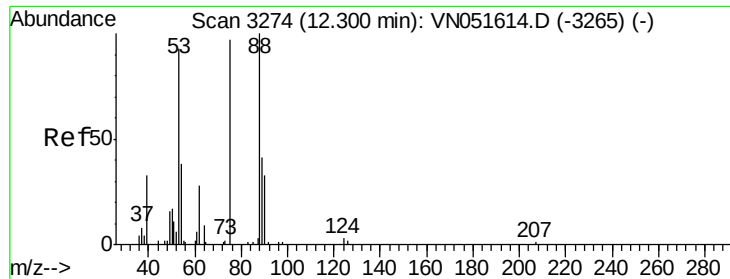
105 100

120 48.7 0.0 99.8



Abundance Ion 105.00 (104.70 to 105.70): VN051614.D (-3394) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 18.420 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

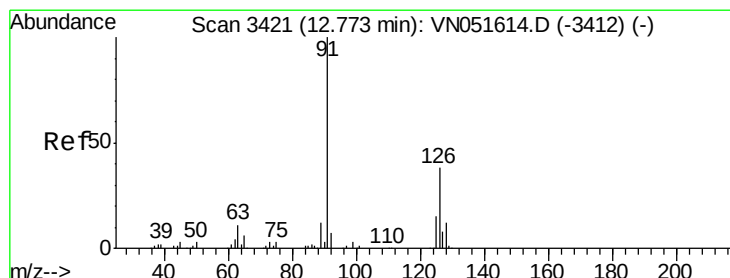
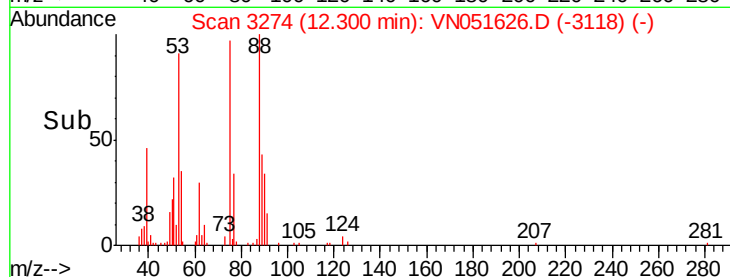
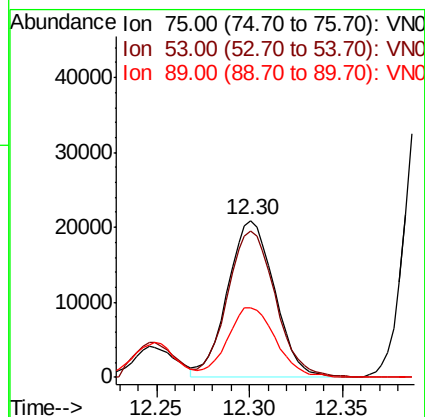
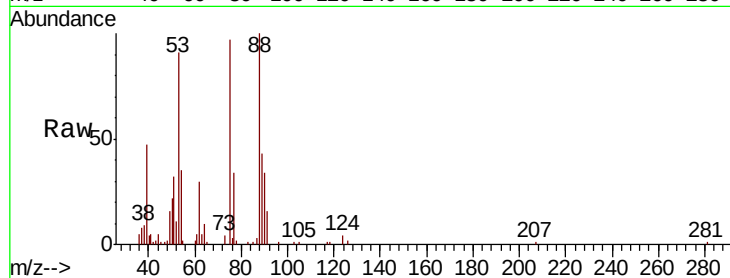
Tot Ion: 75 Resp: 36854

Ion Ratio Lower Upper

75 100

53 92.5 48.1 144.4

89 44.5 22.4 67.3



#78

4-Chlorotoluene

Concen: 19.649 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051626.D

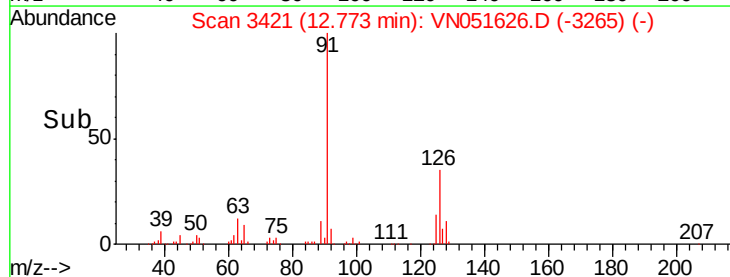
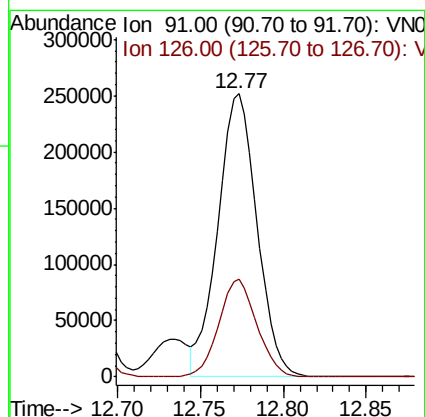
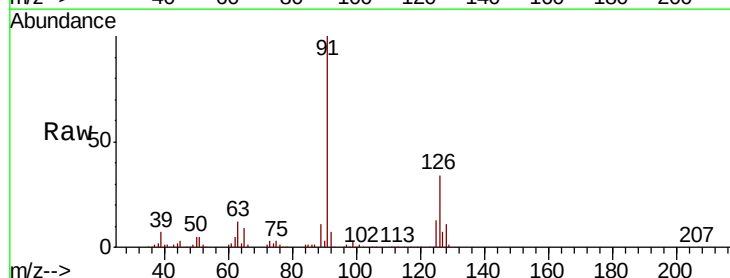
Acq: 1 Oct 2018 10:18

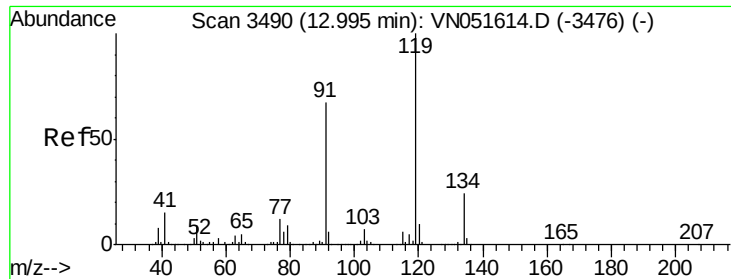
Tgt Ion: 91 Resp: 412076

Ion Ratio Lower Upper

91 100

126 33.7 0.0 68.6

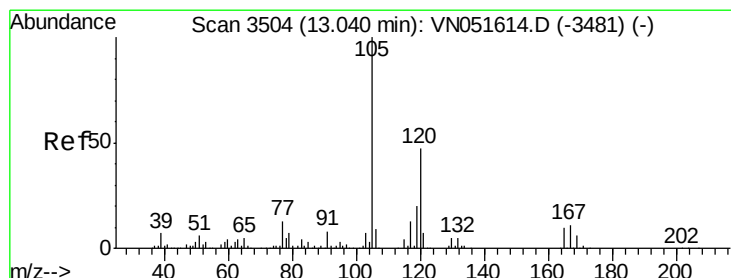
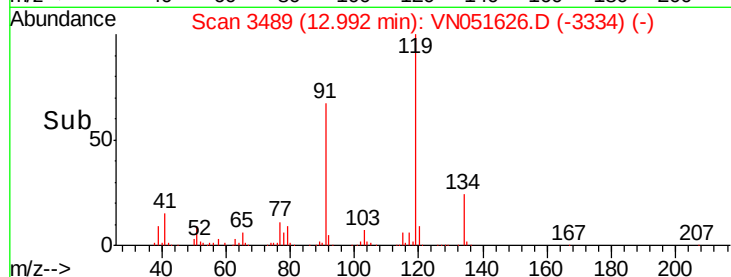
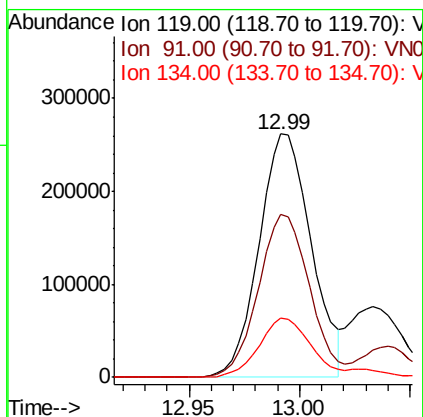
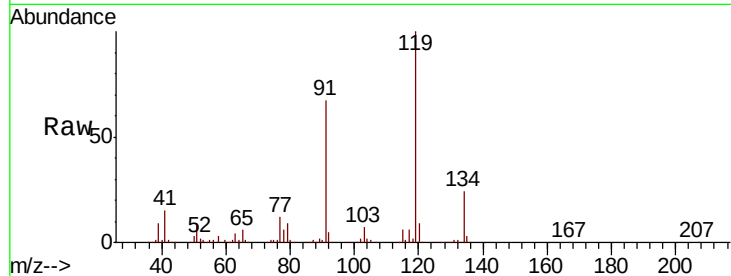




#79
tert-butylbenzene
Concen: 19.513 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

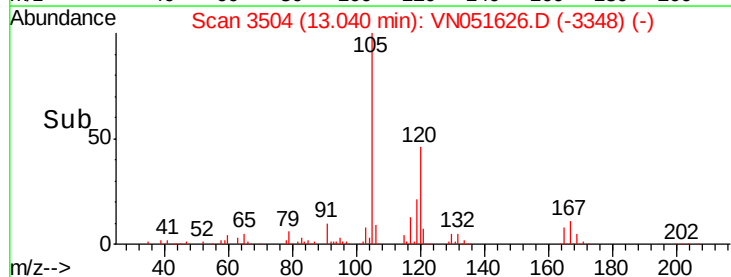
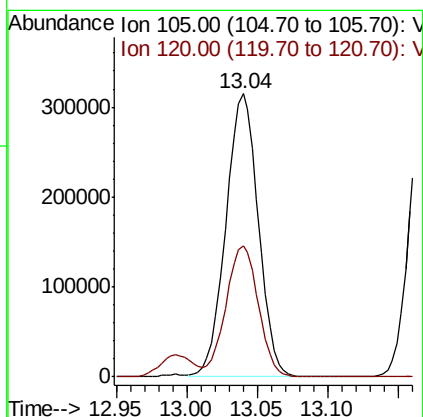
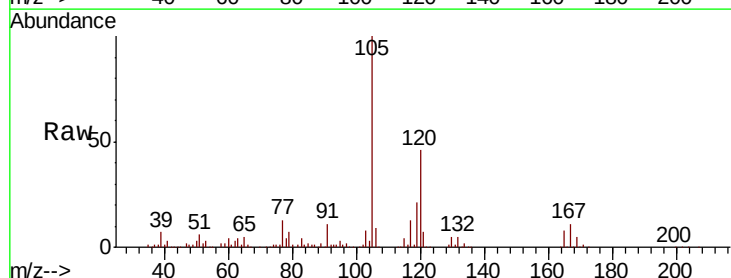
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

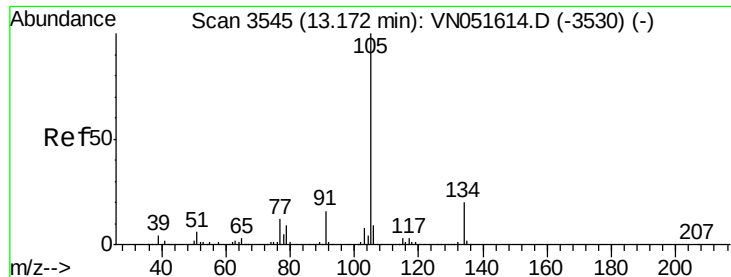
Tot Ion:119 Resp: 431409
Ion Ratio Lower Upper
119 100
91 65.6 0.0 132.4
134 24.1 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 19.844 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051626.D
Acq: 1 Oct 2018 10:18

Tgt Ion:105 Resp: 505801
Ion Ratio Lower Upper
105 100
120 46.4 0.0 91.6

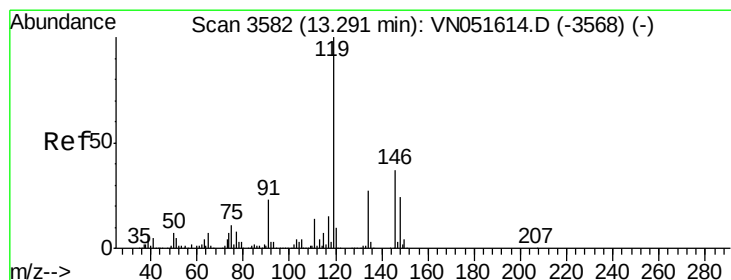
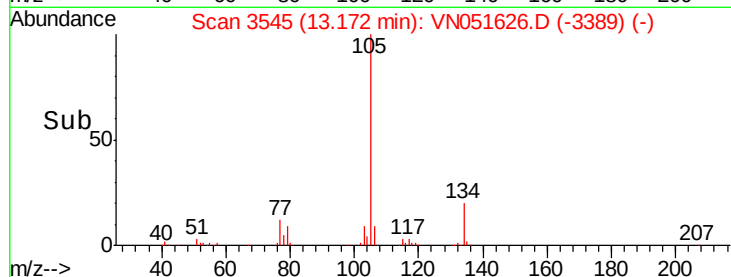
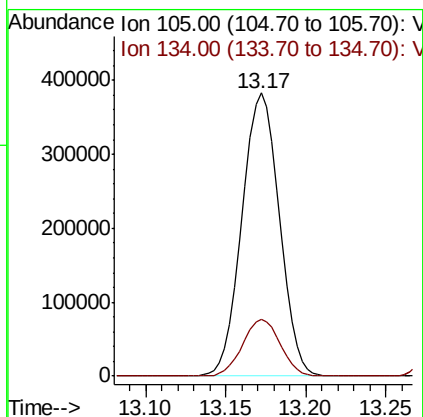
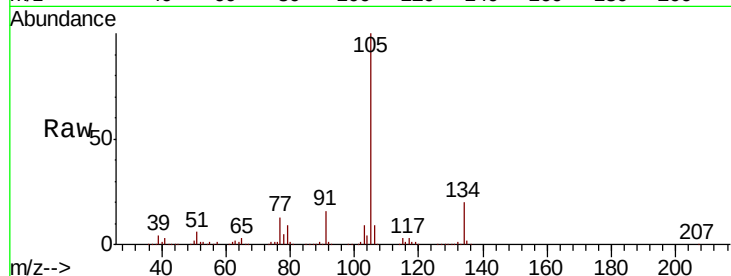




#81
 sec-Butylbenzene
 Concen: 20.007 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

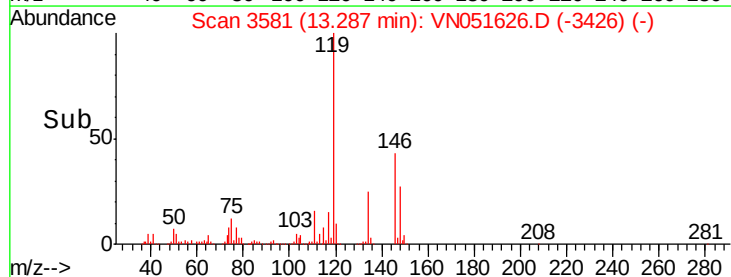
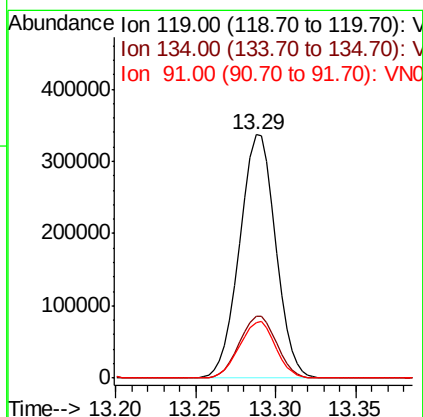
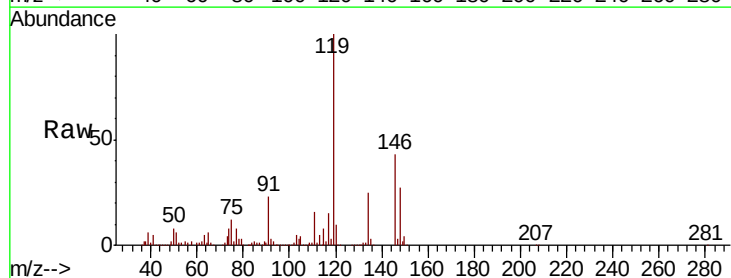
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

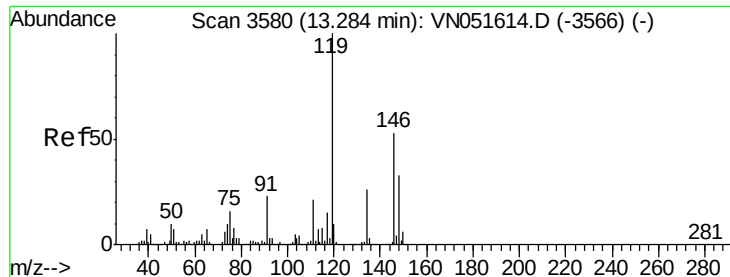
Tot Ion:105 Resp: 611033
 Ion Ratio Lower Upper
 105 100
 134 20.2 0.0 39.8



#82
 p-Isopropyltoluene
 Concen: 19.830 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion:119 Resp: 517618
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 52.0
 91 23.2 0.0 46.0





#83

1,3-Dichlorobenzene

Concen: 19.724 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

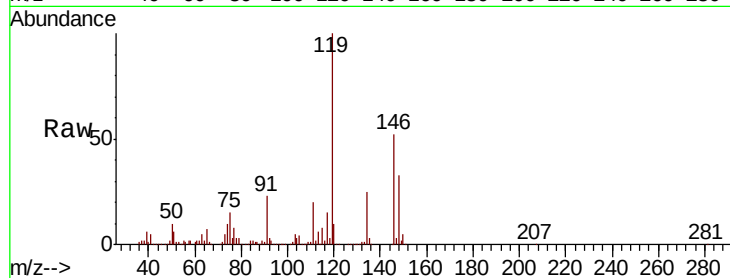
Tot Ion:146 Resp: 261216

Ion Ratio Lower Upper

146 100

111 38.7 19.9 59.6

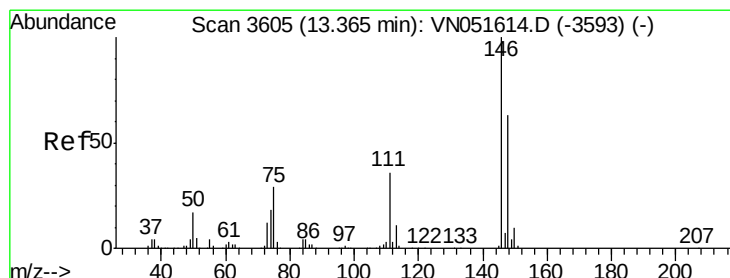
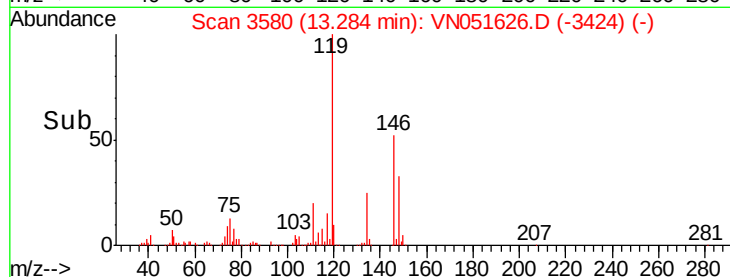
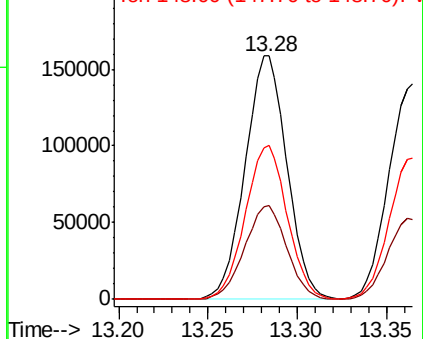
148 63.2 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 18.874 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

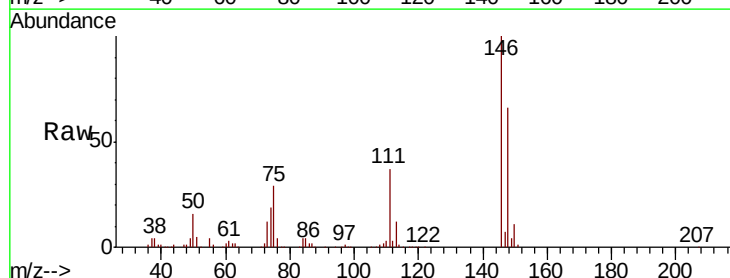
Tgt Ion:146 Resp: 234968

Ion Ratio Lower Upper

146 100

111 38.2 18.6 55.8

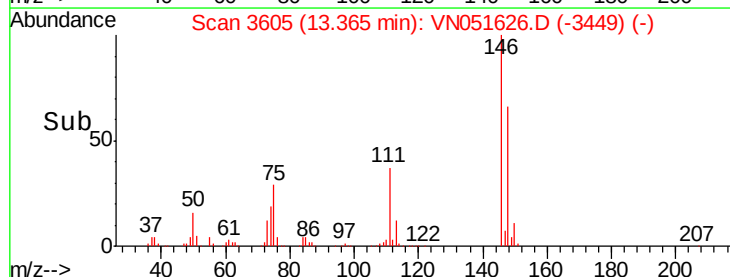
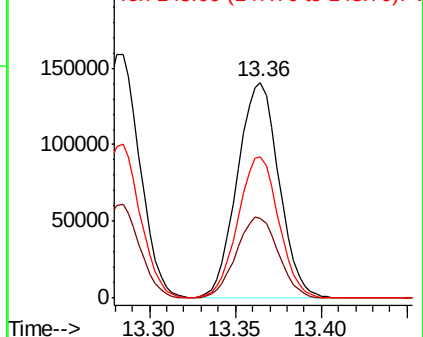
148 64.7 32.1 96.5

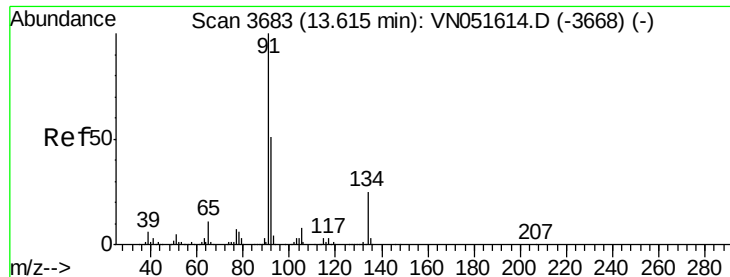


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 19.075 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

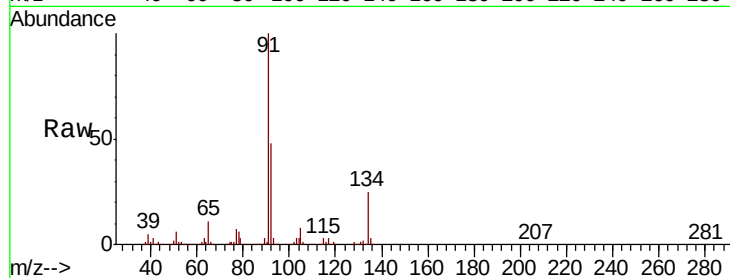
Tot Ion: 91 Resp: 408677

Ion Ratio Lower Upper

91 100

92 48.9 0.0 101.6

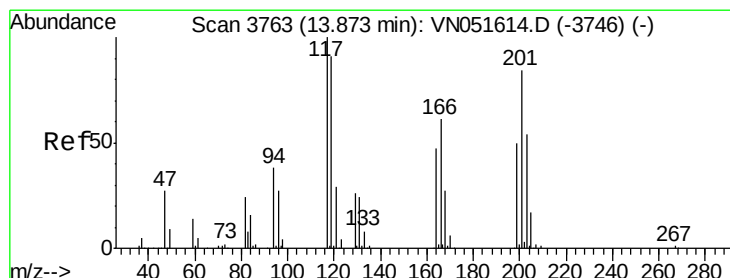
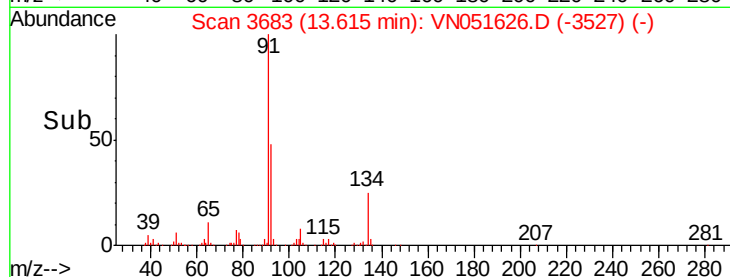
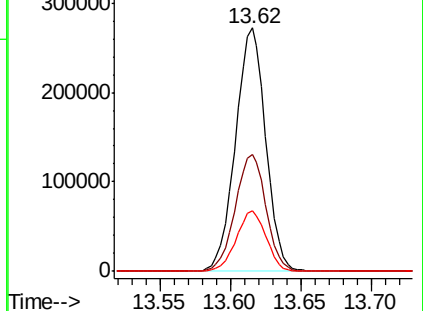
134 24.5 0.0 50.6



Abundance Ion 91.00 (90.70 to 91.70): VN051614.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051614.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051614.D (-3668) (-)



#86

Hexachloroethane

Concen: 20.099 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN051626.D

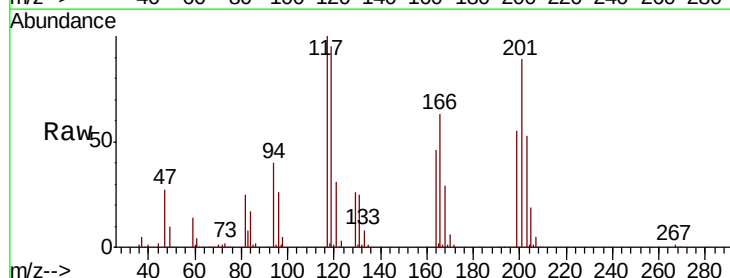
Acq: 1 Oct 2018 10:18

Tgt Ion: 117 Resp: 104933

Ion Ratio Lower Upper

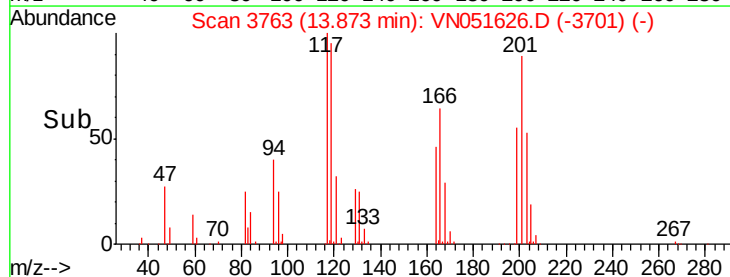
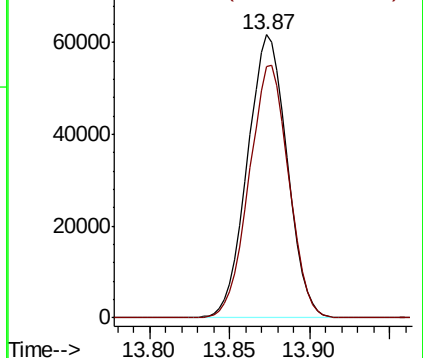
117 100

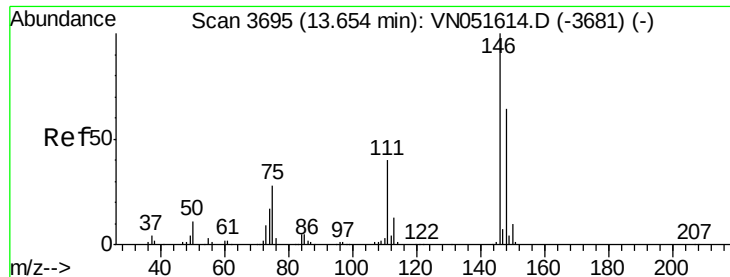
201 88.9 42.9 128.5



Abundance Ion 117.00 (116.70 to 117.70): VN051614.D (-3746) (-)

Ion 201.00 (200.70 to 201.70): VN051614.D (-3746) (-)





#87

1,2-Dichlorobenzene

Concen: 19.737 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

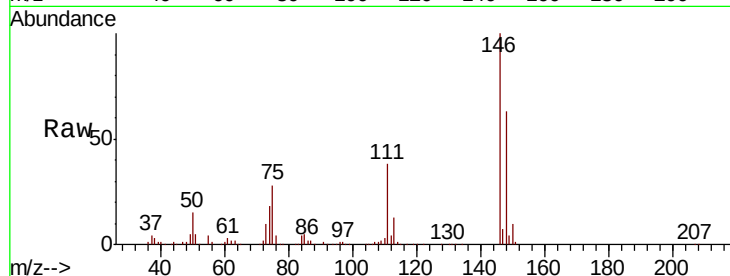
Tot Ion:146 Resp: 255698

Ion Ratio Lower Upper

146 100

111 39.2 20.1 60.3

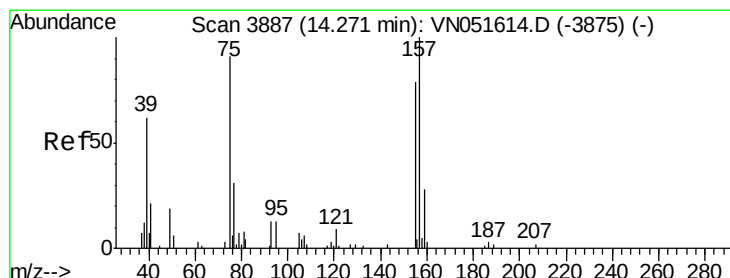
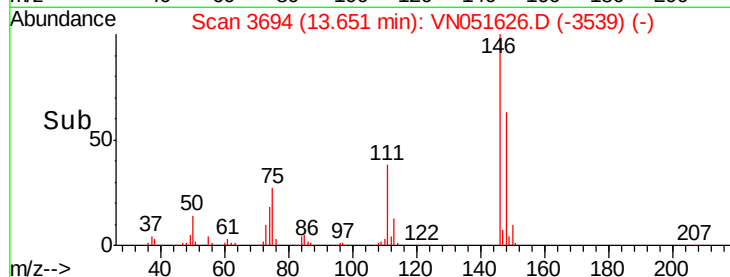
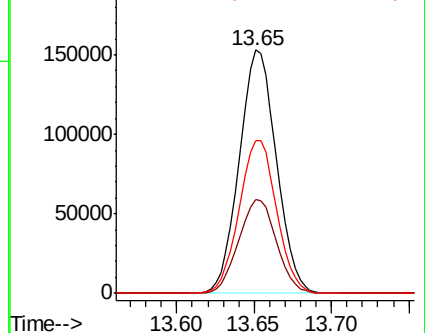
148 63.4 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 18.806 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

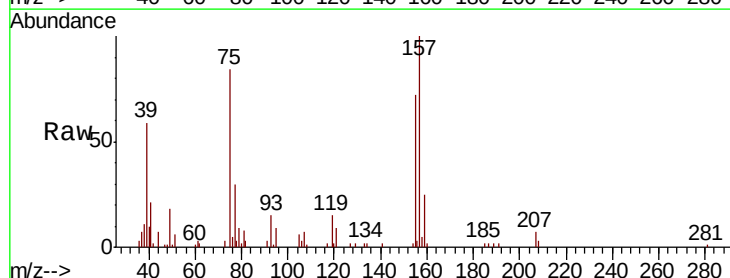
Tgt Ion: 75 Resp: 20253

Ion Ratio Lower Upper

75 100

155 86.9 67.1 100.7

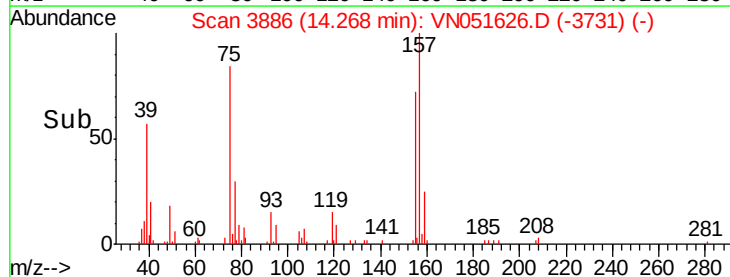
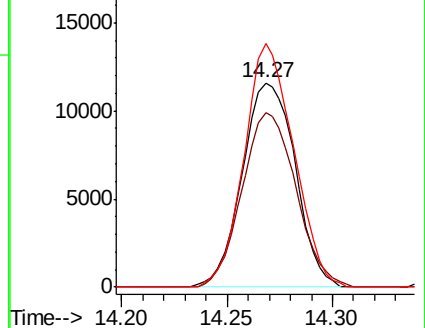
157 111.3 85.8 128.6

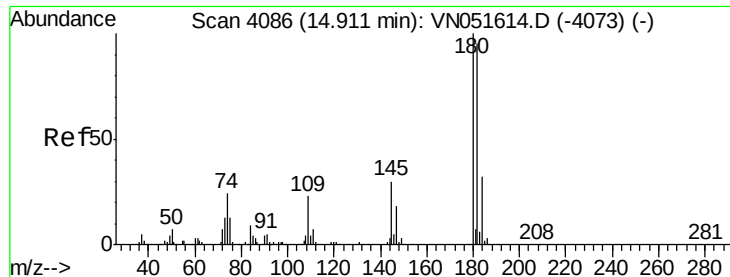


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

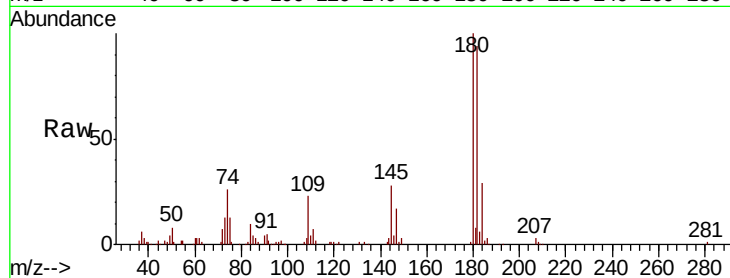




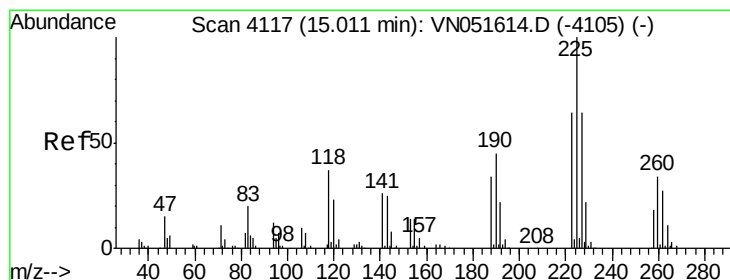
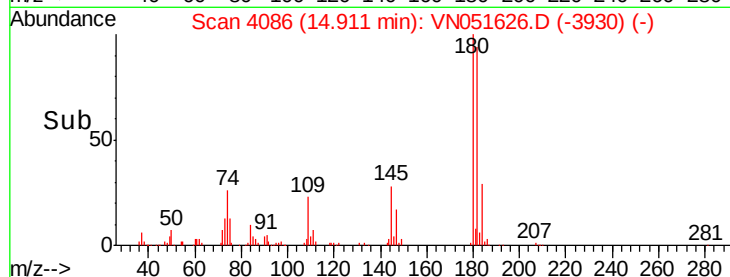
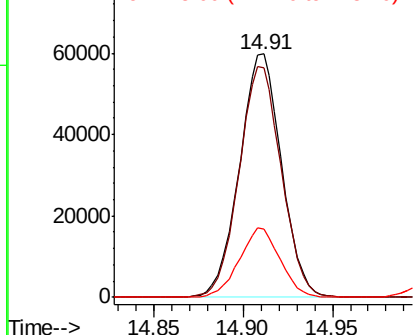
#89
 1,2,4-Trichlorobenzene
 Concen: 16.225 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion:180 Resp: 98384
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.2 112.8
 145 27.6 22.9 34.3

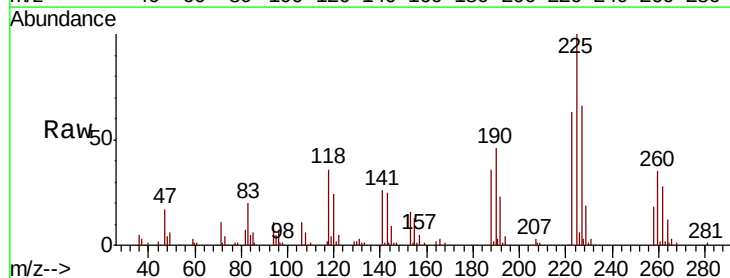


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

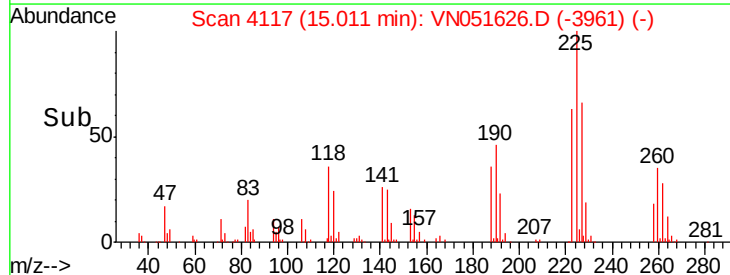
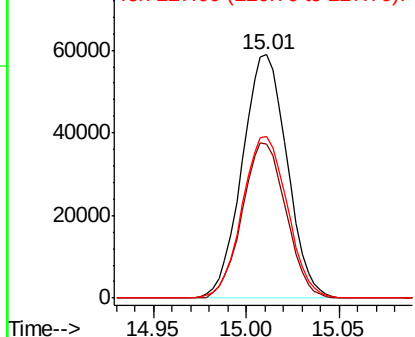


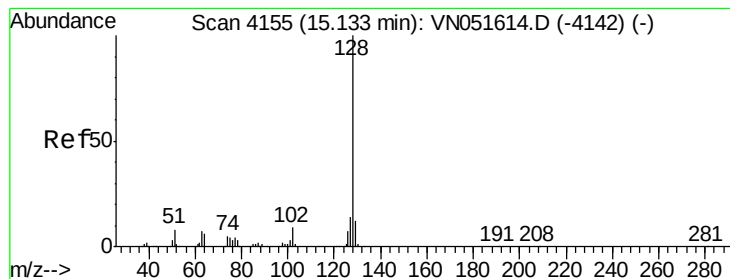
#90
 Hexachlorobutadiene
 Concen: 20.038 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051626.D
 Acq: 1 Oct 2018 10:18

Tgt Ion:225 Resp: 99060
 Ion Ratio Lower Upper
 225 100
 223 62.0 0.0 131.0
 227 66.6 0.0 129.0



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





#91

Naphthalene

Concen: 17.132 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

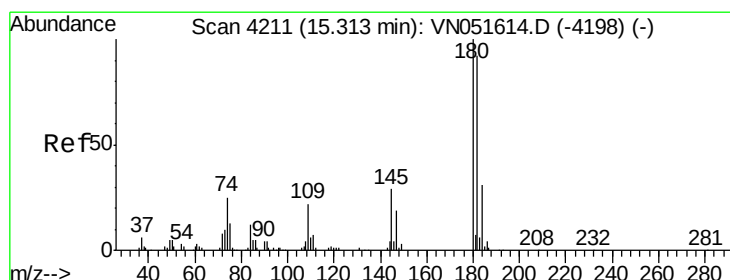
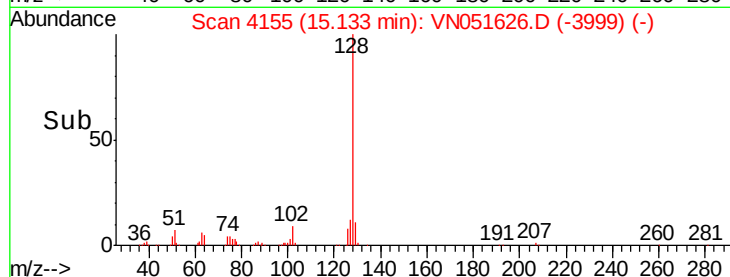
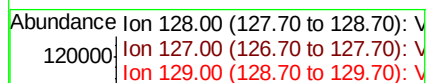
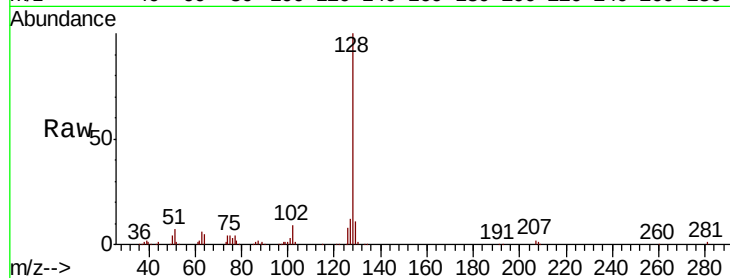
Tot Ion:128 Resp: 157846

Ion Ratio Lower Upper

128 100

127 12.9 10.8 16.2

129 10.8 9.1 13.7



#92

1,2,3-Trichlorobenzene

Concen: 16.571 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051626.D

Acq: 1 Oct 2018 10:18

Tgt Ion:180 Resp: 101059

Ion Ratio Lower Upper

180 100

182 97.9 0.0 191.8

145 29.7 0.0 60.4

