

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
 Data File : VN053274.D
 Acq On : 3 Jan 2019 20:31
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 04 00:57:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	739036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1140205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1027664	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	495954	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	405698	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
35) Dibromofluoromethane	7.59	113	346583	66.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	133.08%	
50) Toluene-d8	10.09	98	1420649	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
62) 4-Bromofluorobenzene	12.40	95	512550	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	340862	45.572	ug/l	99
3) Chloromethane	2.06	50	435663	48.067	ug/l	99
4) Vinyl Chloride	2.19	62	442476	48.203	ug/l	100
5) Bromomethane	2.56	94	314222	49.407	ug/l	100
6) Chloroethane	2.71	64	269028	49.485	ug/l	98
7) Trichlorofluoromethane	3.02	101	599165	52.396	ug/l	100
8) Diethyl Ether	3.41	74	247682	57.413	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	387275	53.117	ug/l	98
10) Methyl Iodide	3.96	142	568320	55.505	ug/l	100
11) Tert butyl alcohol	4.78	59	154252	337.082	ug/l	99
12) 1,1-Dichloroethene	3.74	96	369606	52.471	ug/l	100
13) Acrolein	3.61	56	132325	318.907	ug/l	100
14) Allyl chloride	4.33	41	585877	53.696	ug/l	96
15) Acrylonitrile	4.99	53	810900	318.970	ug/l	99
16) Acetone	3.82	43	515341	350.458	ug/l	97
17) Carbon Disulfide	4.06	76	925961	40.308	ug/l	100
18) Methyl Acetate	4.32	43	485536	72.298	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	1138387	60.391	ug/l	99
20) Methylene Chloride	4.55	84	442583	55.176	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	393955	52.054	ug/l	98
22) Diisopropyl ether	5.95	45	1390250	59.694	ug/l	98
23) Vinyl Acetate	5.90	43	4134177	308.702	ug/l	99
24) 1,1-Dichloroethane	5.85	63	788217	56.955	ug/l	99
25) 2-Butanone	6.83	43	860377	348.638	ug/l	99
26) 2,2-Dichloropropane	6.83	77	528096	49.988	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	478196	55.812	ug/l	99
28) Bromochloromethane	7.20	49	341211	56.899	ug/l	97
29) Tetrahydrofuran	7.21	42	609993	330.953	ug/l	98
30) Chloroform	7.37	83	782187	57.535	ug/l	99
31) Cyclohexane	7.65	56	661245	50.965	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	636298	54.942	ug/l	99
36) 1,1-Dichloropropene	7.79	75	567841	51.886	ug/l	100
37) Ethyl Acetate	6.93	43	389044	63.679	ug/l	99
38) Carbon Tetrachloride	7.78	117	542168	54.048	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	628851	47.301	ug/l	98
40) Benzene	8.04	78	1770743	54.396	ug/l	99
41) Methacrylonitrile	7.17	41	216835	61.426	ug/l	99
42) 1,2-Dichloroethane	8.13	62	544177	56.587	ug/l	99
43) Isopropyl Acetate	8.16	43	717916	60.951	ug/l	99
44) Trichloroethene	8.84	130	486209	51.639	ug/l	97
45) 1,2-Dichloropropane	9.12	63	487301	57.471	ug/l	99
46) Dibromomethane	9.21	93	282669	57.227	ug/l	98
47) Bromodichloromethane	9.40	83	597063	56.866	ug/l	99
48) Methyl methacrylate	9.20	41	360844	60.866	ug/l	99
49) 1,4-Dioxane	9.20	88	89176	1189.135	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1949039	329.422	ug/l	100
52) Toluene	10.16	92	1099799	54.507	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	605129	54.809	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	694942	54.837	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	417650	59.333	ug/l	99
56) Ethyl methacrylate	10.43	69	564965	60.638	ug/l	96
57) 1,3-Dichloropropane	10.71	76	706870	58.560	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1468946	287.185	ug/l	99
59) 2-Hexanone	10.75	43	1304162	325.794	ug/l	98
60) Dibromochloromethane	10.90	129	460735	57.181	ug/l	99
61) 1,2-Dibromoethane	11.00	107	407800	57.043	ug/l	99
64) Tetrachloroethene	10.63	164	530910	47.693	ug/l	98
65) Chlorobenzene	11.43	112	1236562	54.282	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	450326	56.846	ug/l	100
67) Ethyl Benzene	11.51	91	2121425	54.151	ug/l	100
68) m/p-Xylenes	11.62	106	1606226	107.850	ug/l	99
69) o-Xylene	11.95	106	793425	55.518	ug/l	99
70) Styrene	11.96	104	1320906	56.683	ug/l	100
71) Bromoform	12.13	173	318641	55.679	ug/l	99
73) Isopropylbenzene	12.25	105	2098560	54.081	ug/l	100
74) N-amyl acetate	12.07	43	619793	57.530	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	471653	61.956	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	627924	75.211	ug/l #	100
77) Bromobenzene	12.53	156	552540	54.778	ug/l	98
78) n-propylbenzene	12.59	91	2358254	53.361	ug/l	99
79) 2-Chlorotoluene	12.67	91	1419274	51.810	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1679859	53.112	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	141686	54.698	ug/l	98
82) 4-Chlorotoluene	12.77	91	1446163	53.929	ug/l	100
83) tert-Butylbenzene	12.99	119	1492926	53.371	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1718273	54.041	ug/l	100
85) sec-Butylbenzene	13.17	105	1968712	52.033	ug/l	100
86) p-Isopropyltoluene	13.29	119	1711505	52.350	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	947040	53.048	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	929383	51.407	ug/l	100
89) n-Butylbenzene	13.62	91	1387177	49.319	ug/l	100
90) Hexachloroethane	13.87	117	263933	52.607	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	890467	52.998	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47560	36.132	ug/l	98

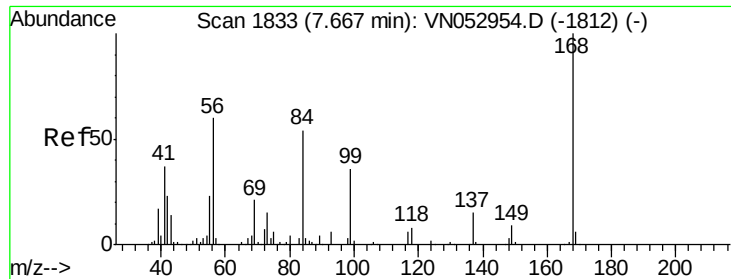
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	175369	20.062	ug/l	99
94) Hexachlorobutadiene	15.01	225	182684	39.004	ug/l	99
95) Naphthalene	15.13	128	291039	15.730	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	100375	12.902	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

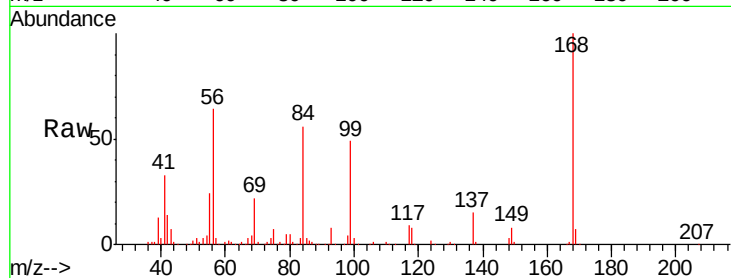
VSTDCCC050EC

Tgt Ion:168 Resp: 739036

Ion Ratio Lower Upper

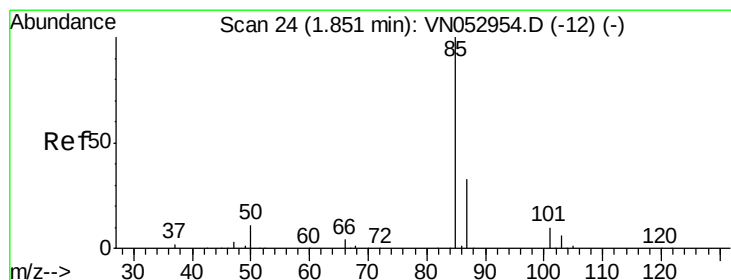
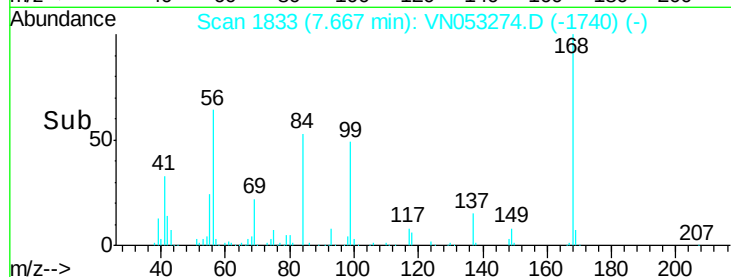
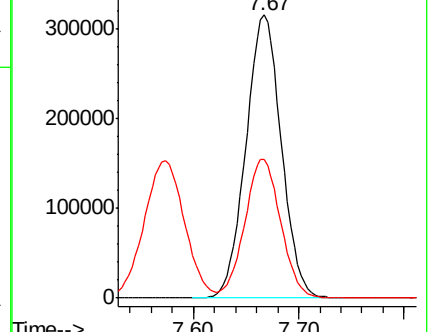
168 100

99 48.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053274.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053274.D (-1740) (-)



#2

Dichlorodifluoromethane

Concen: 45.572 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053274.D

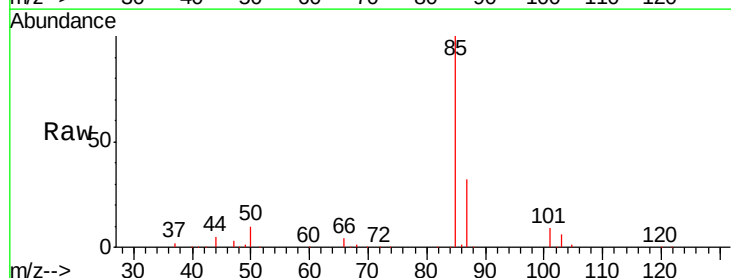
Acq: 3 Jan 2019 20:31

Tgt Ion: 85 Resp: 340862

Ion Ratio Lower Upper

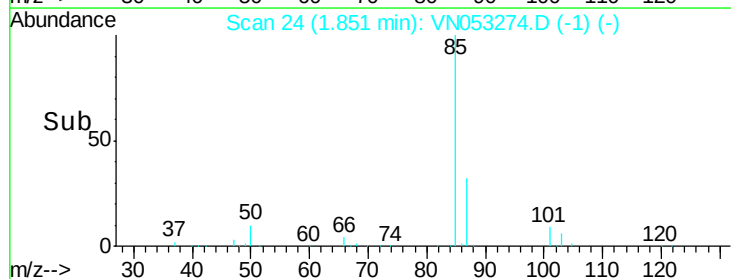
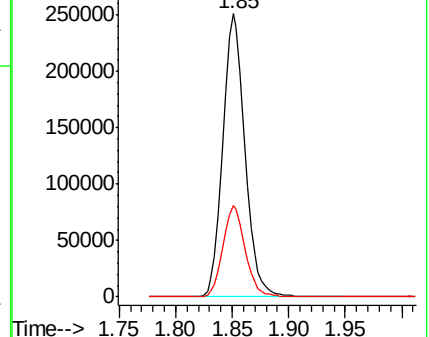
85 100

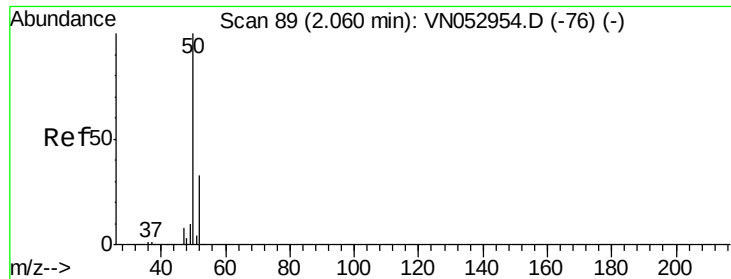
87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN053274.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN053274.D (-1) (-)





#3

Chloromethane

Concen: 48.067 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

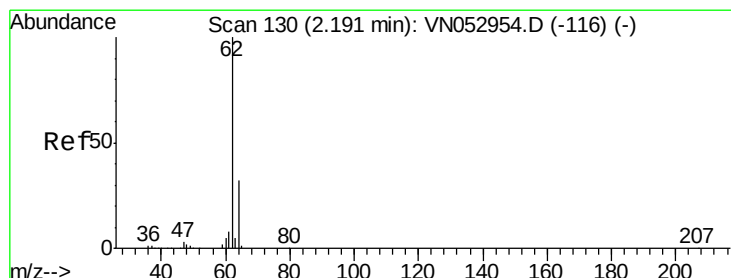
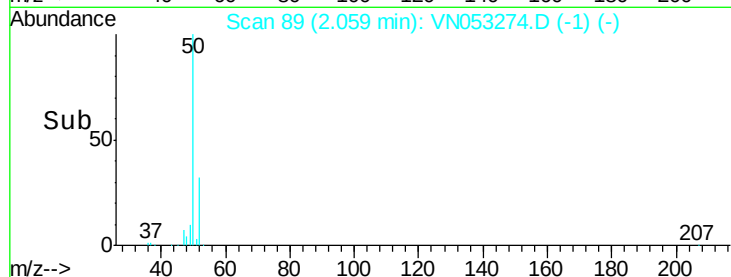
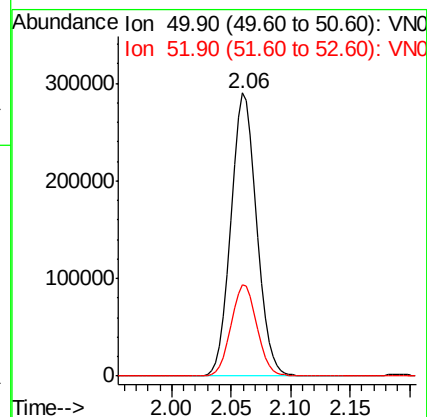
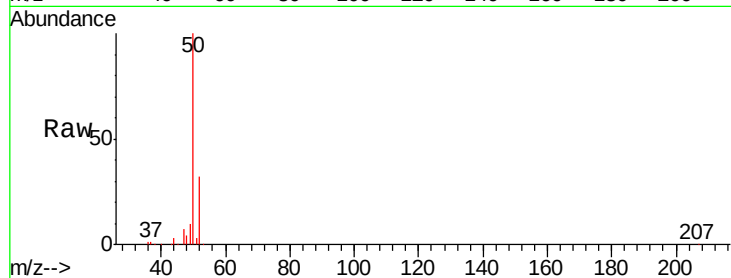
VSTDCCC050EC

Tgt Ion: 50 Resp: 435663

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.4



#4

Vinyl Chloride

Concen: 48.203 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053274.D

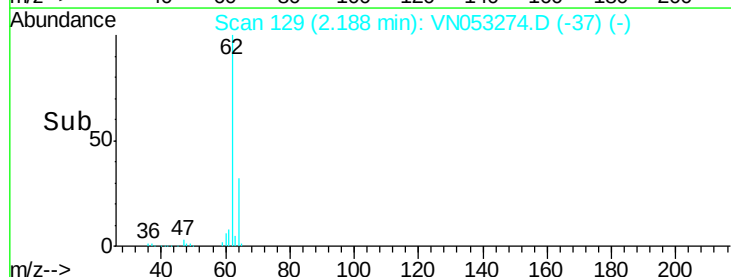
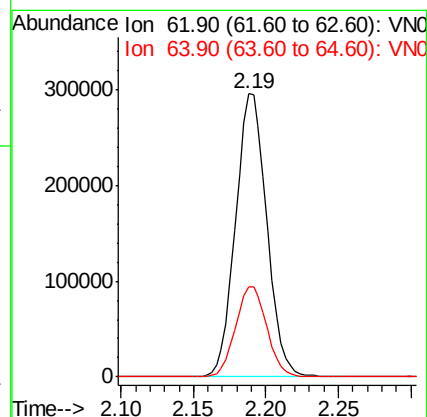
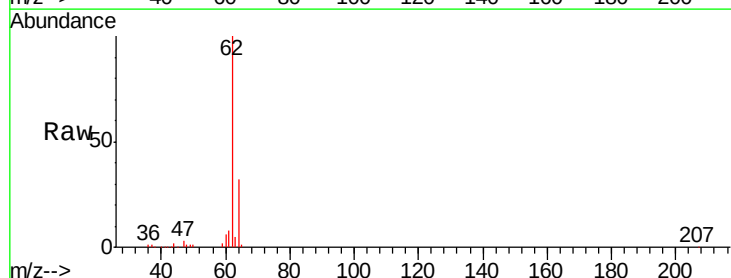
Acq: 3 Jan 2019 20:31

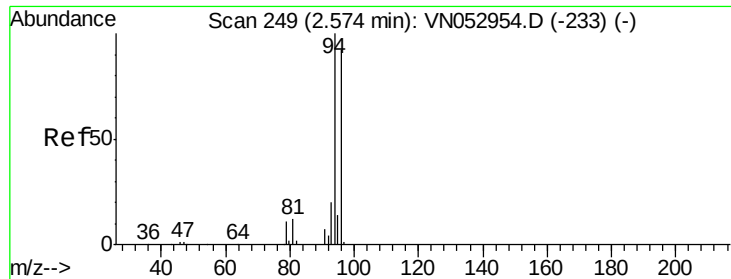
Tgt Ion: 62 Resp: 442476

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 49.407 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

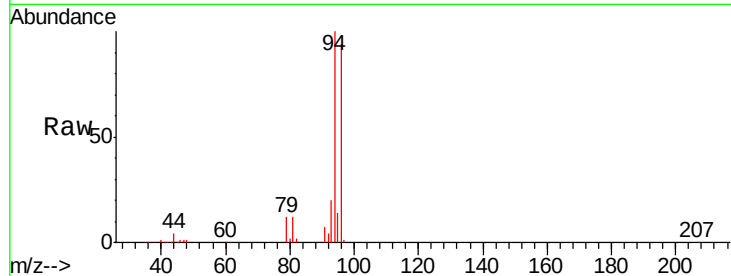
VSTDCCC050EC

Tgt Ion: 94 Resp: 314222

Ion Ratio Lower Upper

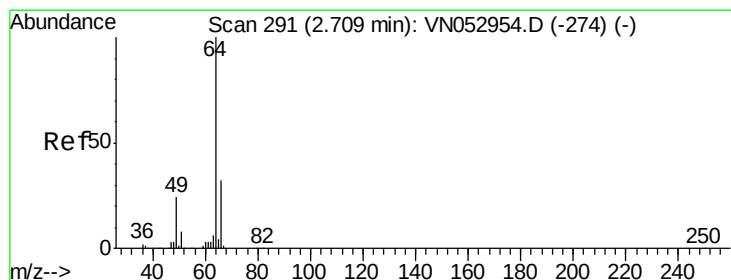
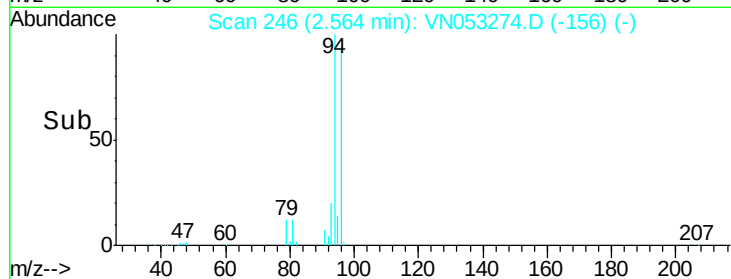
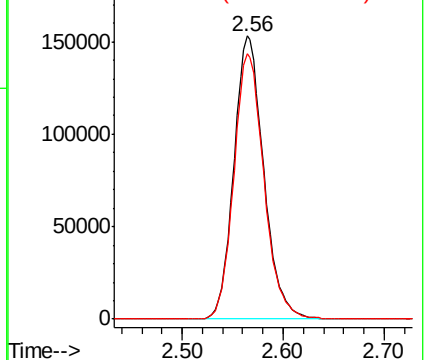
94 100

96 93.6 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.485 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN053274.D

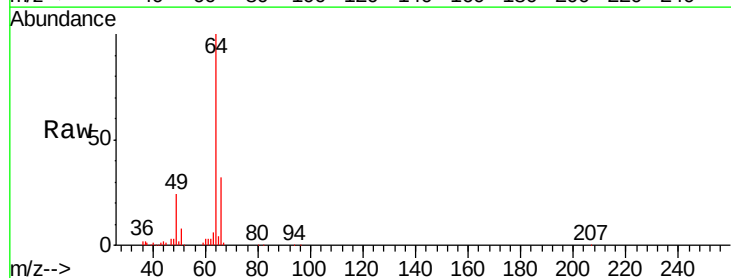
Acq: 3 Jan 2019 20:31

Tgt Ion: 64 Resp: 269028

Ion Ratio Lower Upper

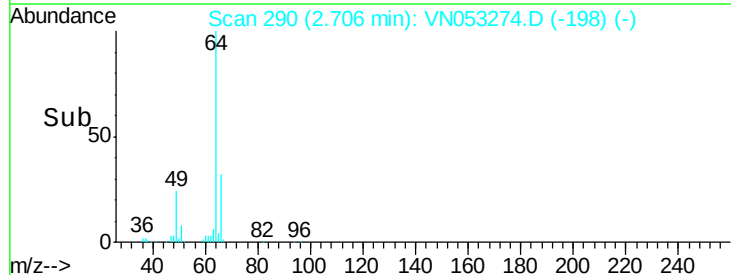
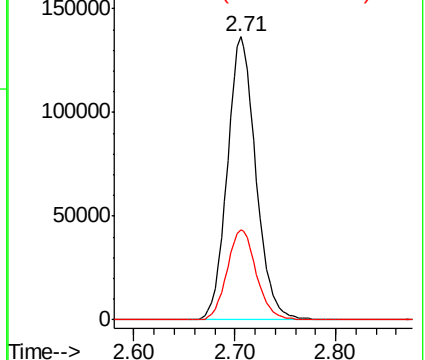
64 100

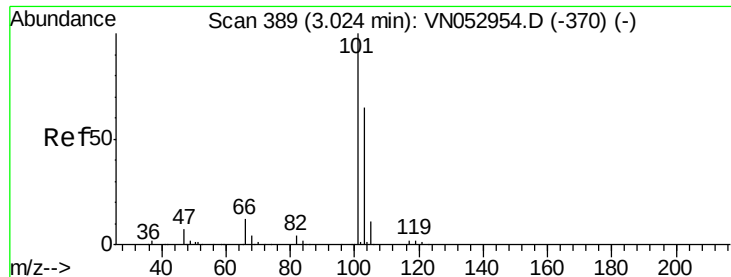
66 31.8 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



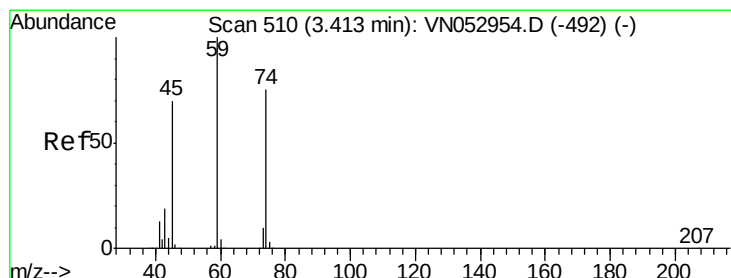
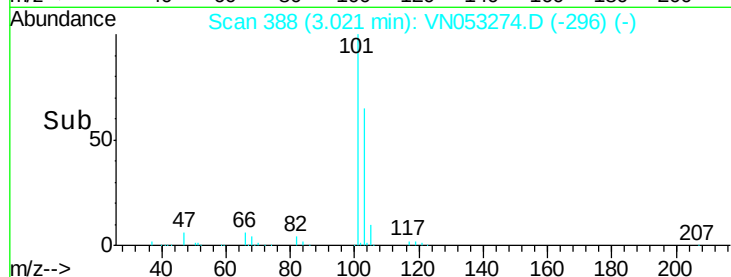
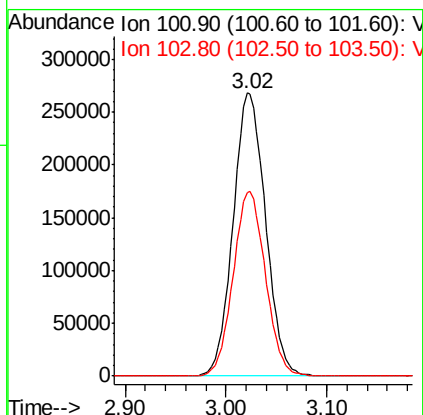
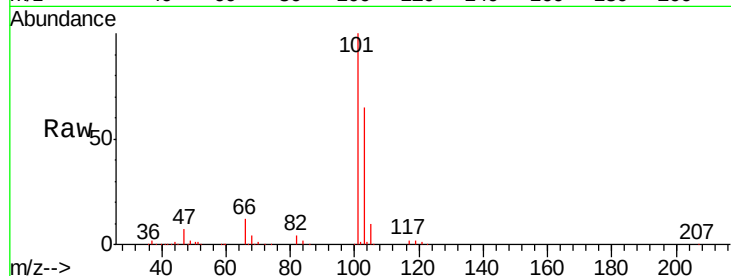


#7

Trichlorofluoromethane
 Concen: 52.396 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Instrument :
 MSVOA_N
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 VSTDCCC050EC

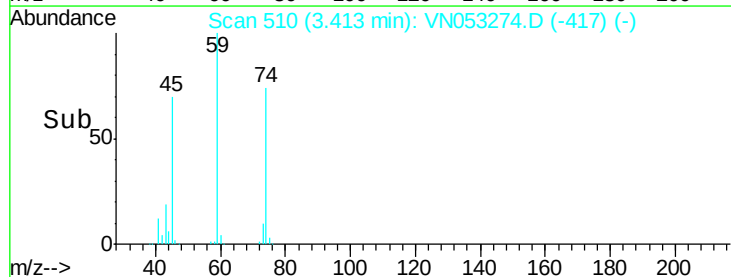
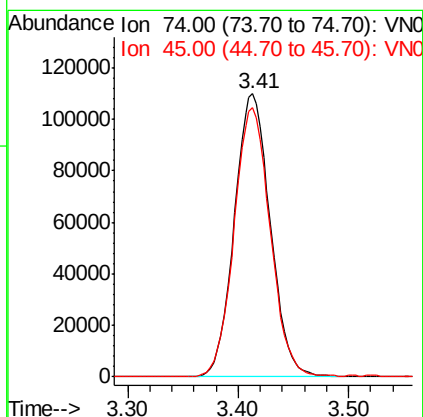
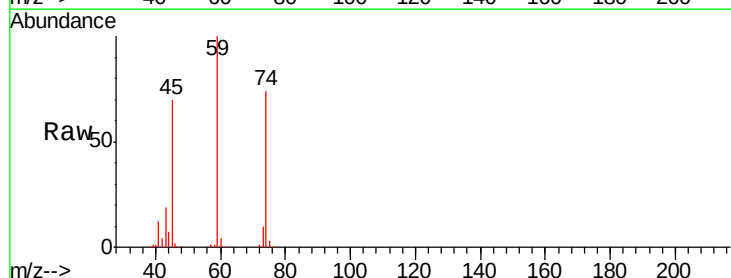
Tgt Ion: 101 Resp: 599165
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.8 77.6

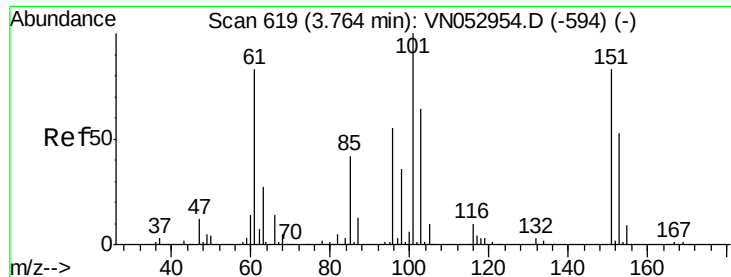


#8

Diethyl Ether
 Concen: 57.413 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion: 74 Resp: 247682
 Ion Ratio Lower Upper
 74 100
 45 95.1 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.117 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

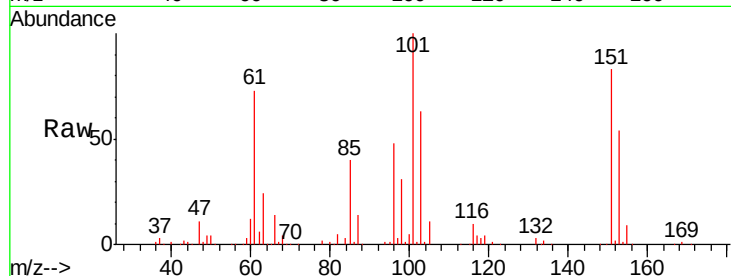
Tgt Ion:101 Resp: 387275

Ion Ratio Lower Upper

101 100

85 41.4 33.6 50.4

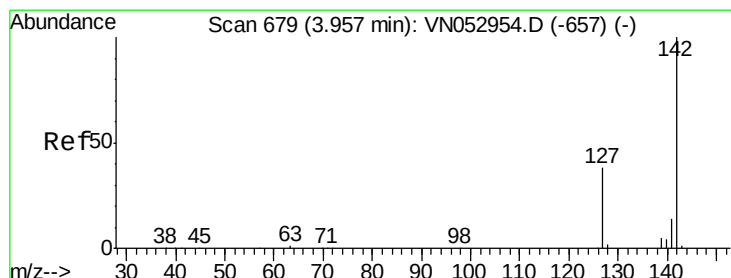
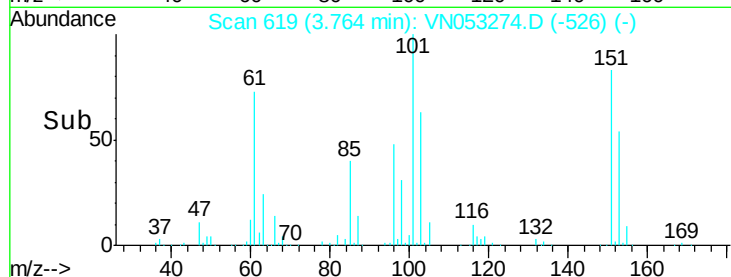
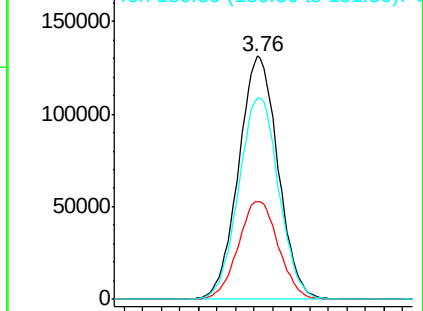
151 84.8 65.5 98.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 55.505 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

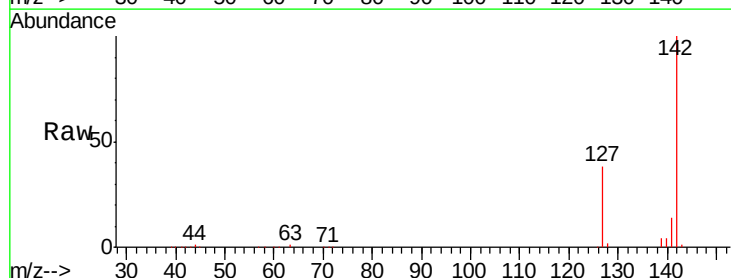
Tgt Ion:142 Resp: 568320

Ion Ratio Lower Upper

142 100

127 38.5 31.0 46.6

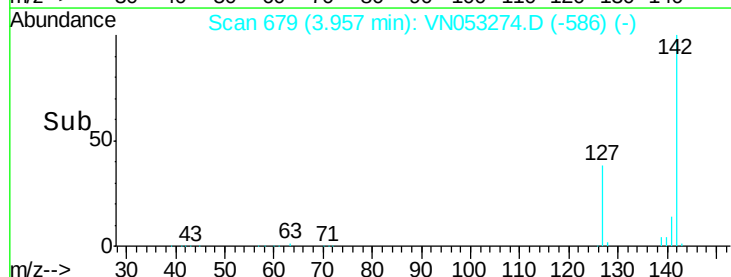
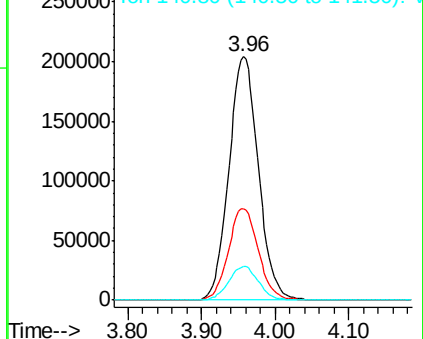
141 13.9 11.2 16.8

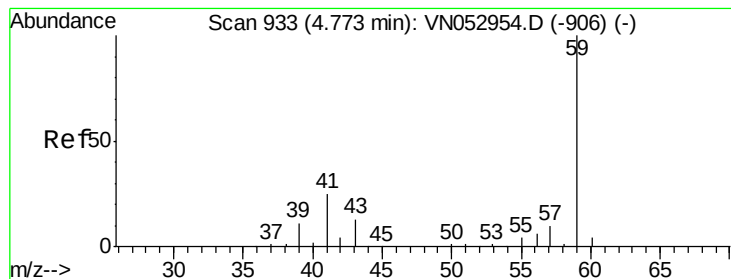


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



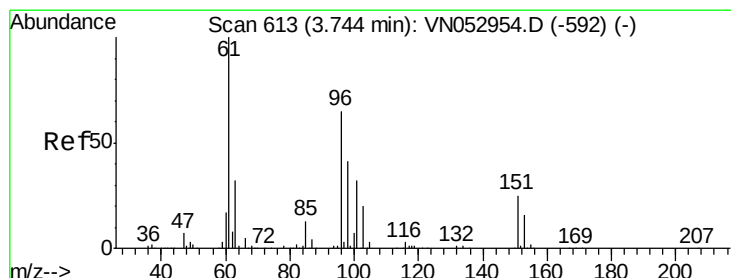
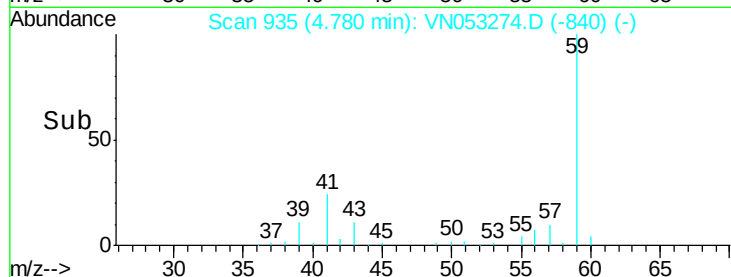
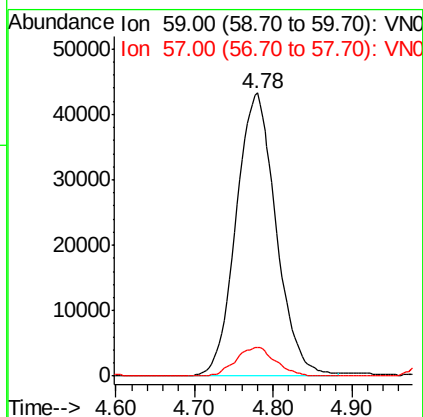
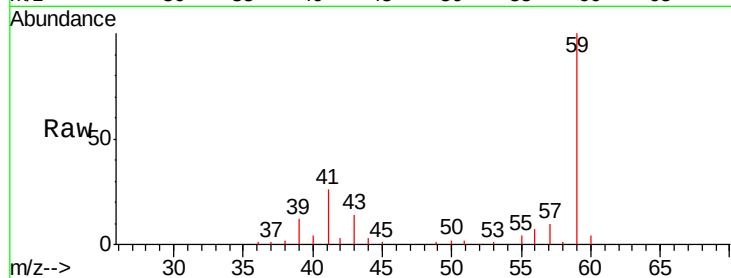


#11

Tert butyl alcohol
 Concen: 337.082 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

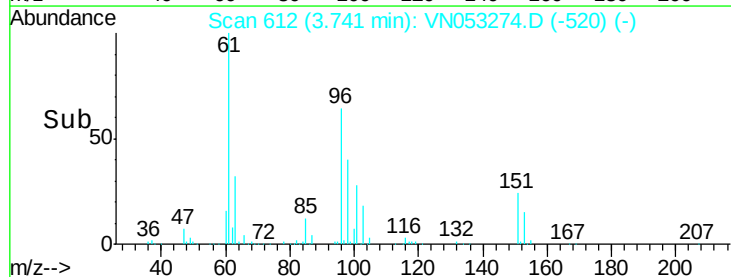
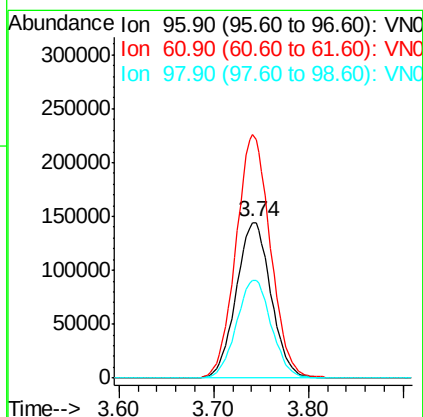
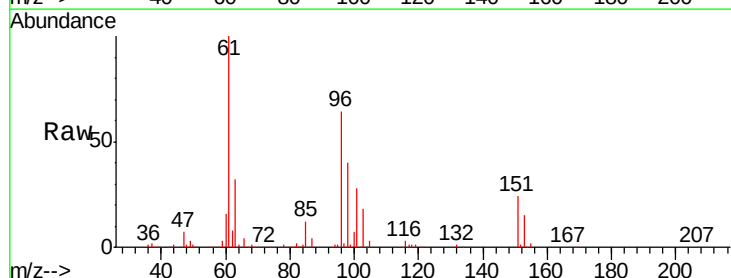
Tgt Ion: 59 Resp: 154252
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.7 11.5

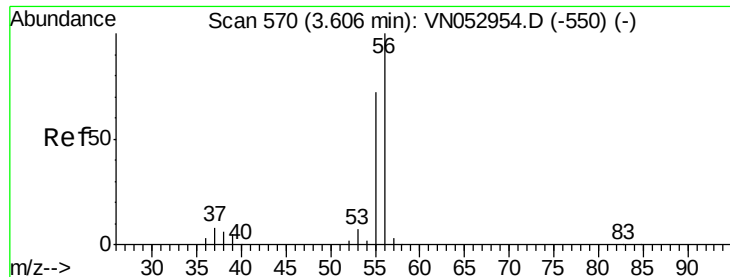


#12

1,1-Dichloroethene
 Concen: 52.471 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion: 96 Resp: 369606
 Ion Ratio Lower Upper
 96 100
 61 156.5 125.6 188.4
 98 63.0 50.6 75.8





#13

Acrolein

Concen: 318.907 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

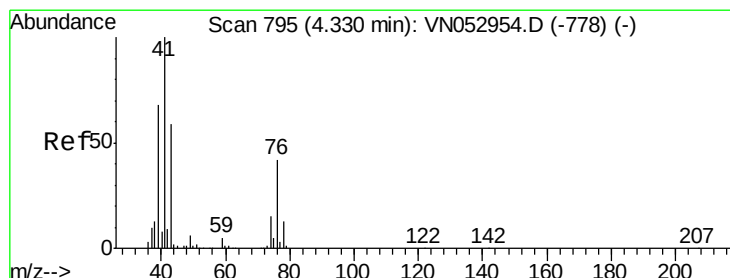
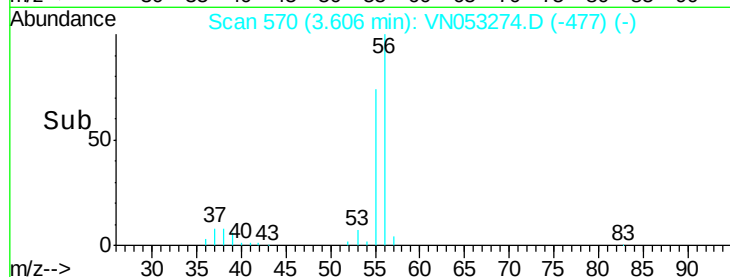
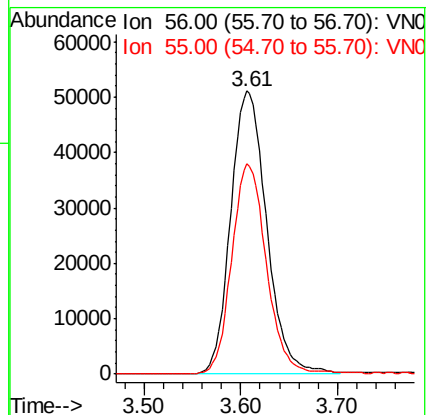
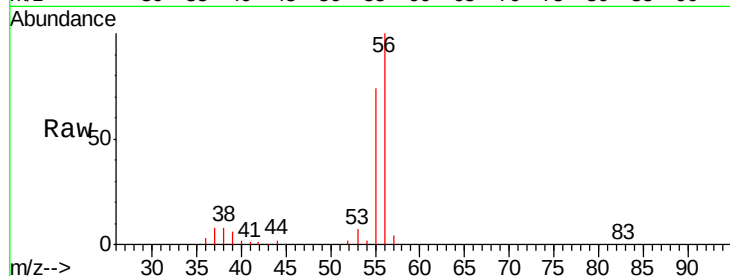
VSTDCCC050EC

Tgt Ion: 56 Resp: 132325

Ion Ratio Lower Upper

56 100

55 71.0 56.6 85.0



#14

Allyl chloride

Concen: 53.696 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

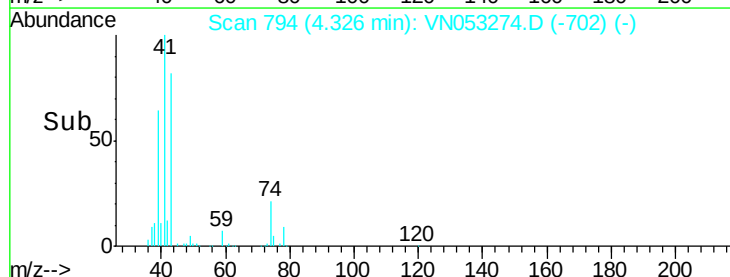
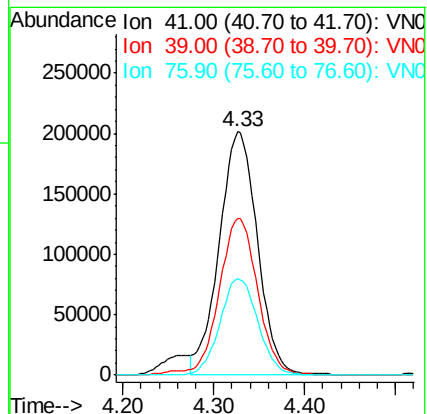
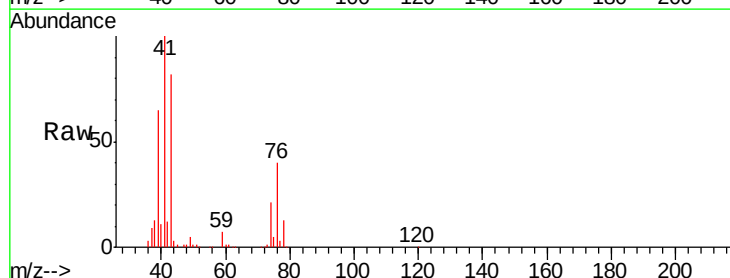
Tgt Ion: 41 Resp: 585877

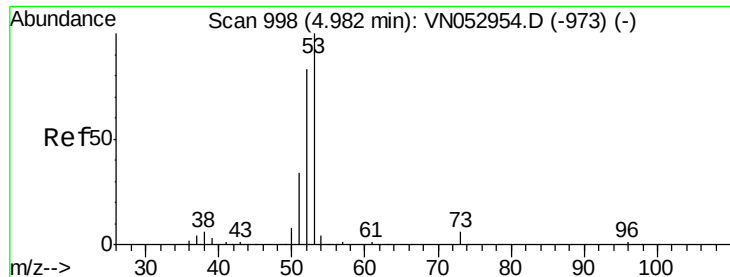
Ion Ratio Lower Upper

41 100

39 63.8 54.1 81.1

76 39.3 30.3 45.5





#15

Acrylonitrile

Concen: 318.970 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

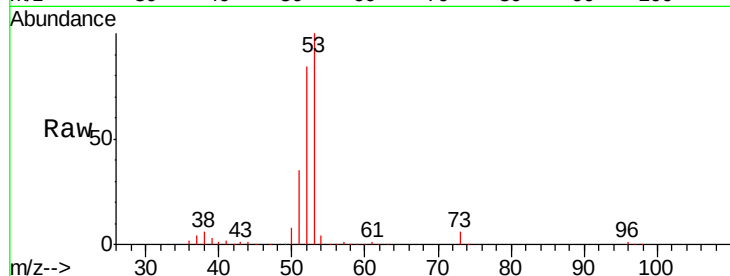
Tgt Ion: 53 Resp: 810900

Ion Ratio Lower Upper

53 100

52 82.2 65.1 97.7

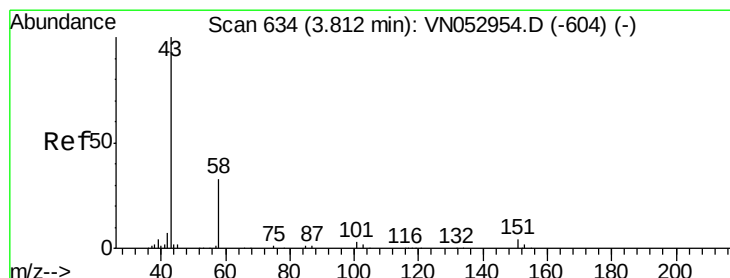
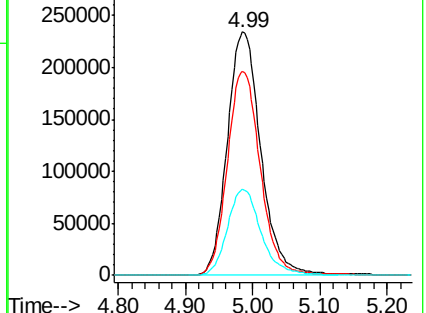
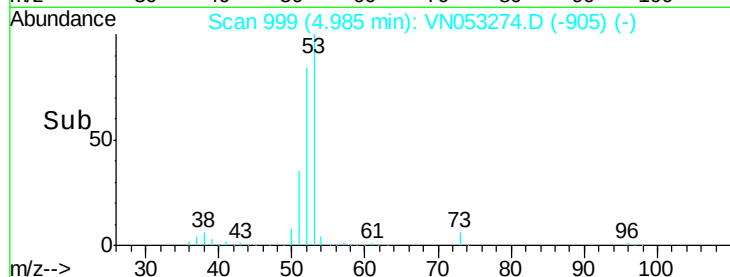
51 35.8 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN053274.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN053274.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VN053274.D (-905) (-)



#16

Acetone

Concen: 350.458 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053274.D

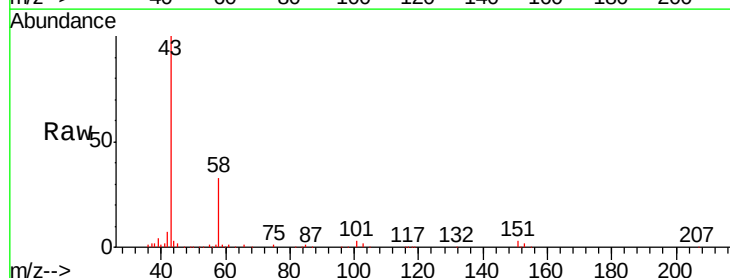
Acq: 3 Jan 2019 20:31

Tgt Ion: 43 Resp: 515341

Ion Ratio Lower Upper

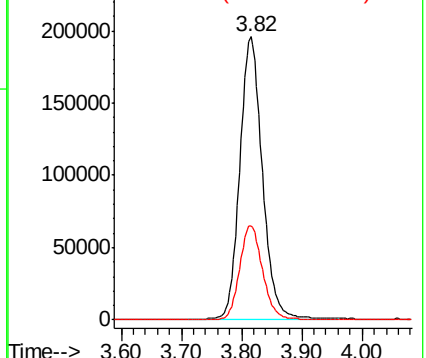
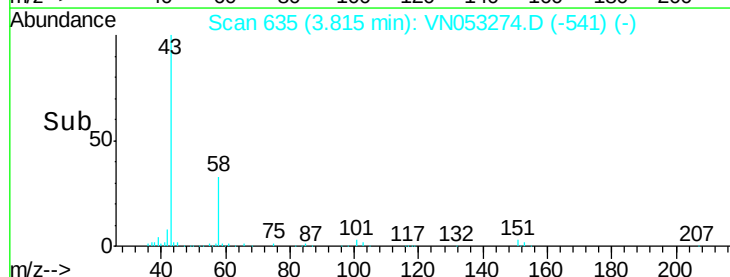
43 100

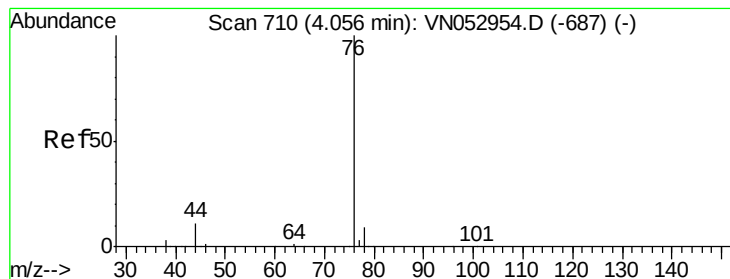
58 33.2 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053274.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN053274.D (-541) (-)





#17

Carbon Disulfide

Concen: 40.308 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

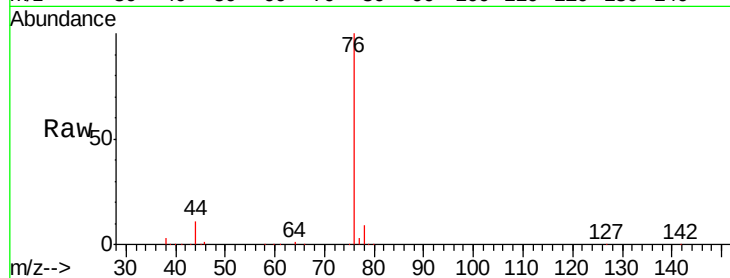
VSTDCCC050EC

Tgt Ion: 76 Resp: 925961

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN053274.D (-617) (-)

Ion 77.90 (77.60 to 78.60): VN053274.D (-617) (-)

4.06

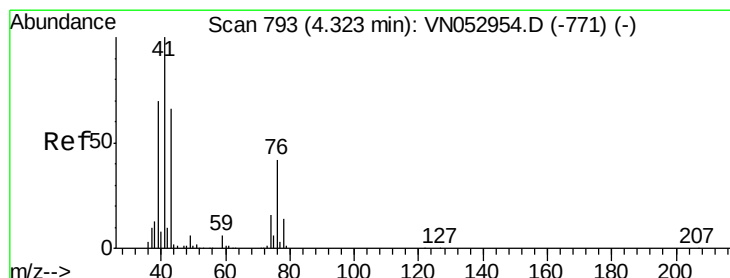
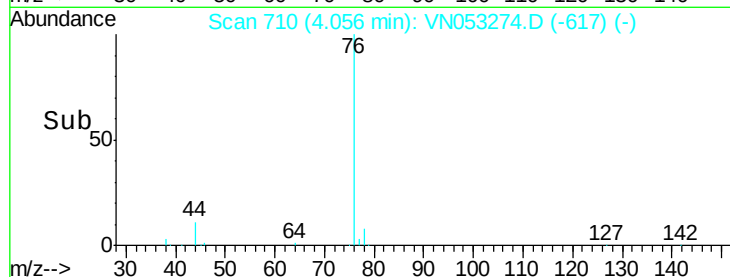
300000

200000

100000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 72.298 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053274.D

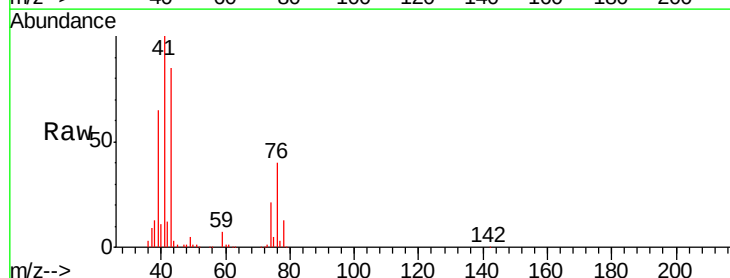
Acq: 3 Jan 2019 20:31

Tgt Ion: 43 Resp: 485536

Ion Ratio Lower Upper

43 100

74 24.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN053274.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN053274.D (-700) (-)

4.32

200000

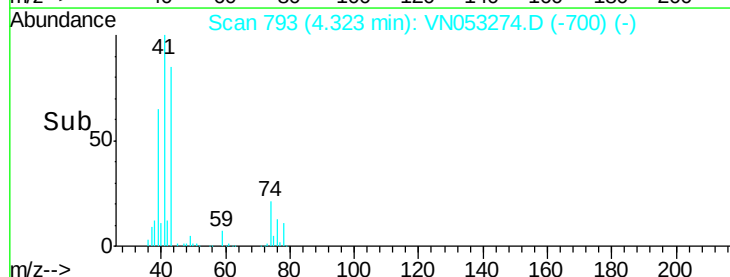
150000

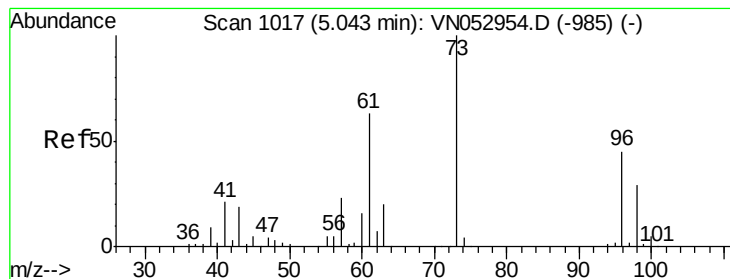
100000

50000

0

Time--> 4.20 4.30 4.40 4.50





#19

Methyl tert-butyl Ether

Concen: 60.391 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

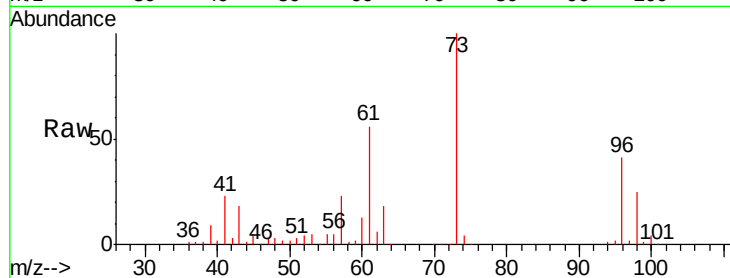
VSTDCCC050EC

Tgt Ion: 73 Resp: 1138387

Ion Ratio Lower Upper

73 100

57 22.6 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VN052954.D (-985) (-)

Ion 57.00 (56.70 to 57.70): VN052954.D (-985) (-)

5.05

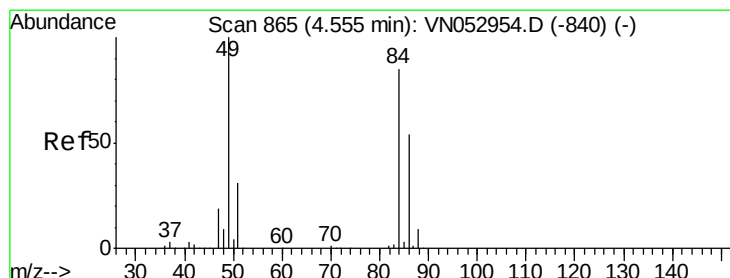
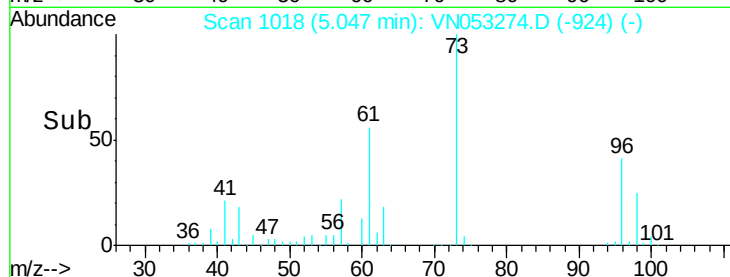
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 55.176 ug/l

RT: 4.55 min Scan# 865

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Tgt Ion: 84 Resp: 442583

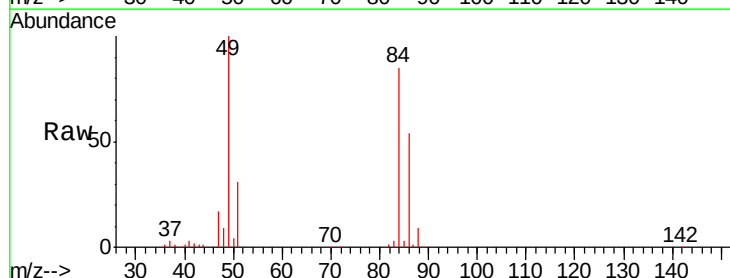
Ion Ratio Lower Upper

84 100

49 117.8 96.8 145.2

51 36.4 29.9 44.9

86 63.6 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VN052954.D (-840) (-)

Ion 48.90 (48.60 to 49.60): VN052954.D (-840) (-)

Ion 50.90 (50.60 to 51.60): VN052954.D (-840) (-)

Ion 85.90 (85.60 to 86.60): VN052954.D (-840) (-)

4.55

250000

200000

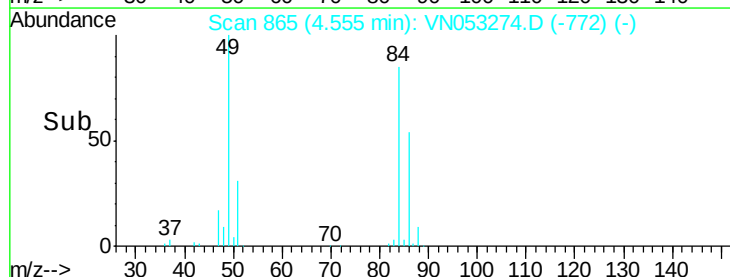
150000

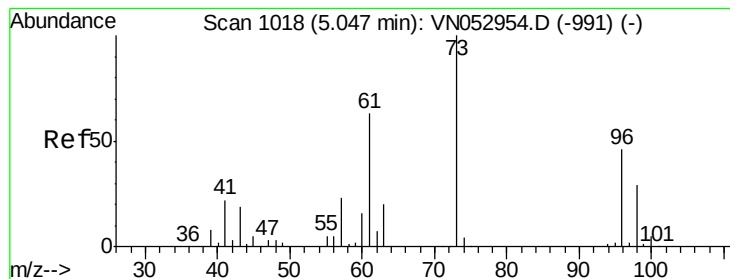
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 52.054 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

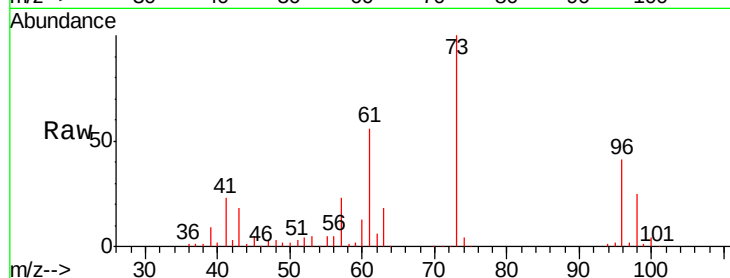
Tgt Ion: 96 Resp: 393955

Ion Ratio Lower Upper

96 100

61 136.3 110.8 166.2

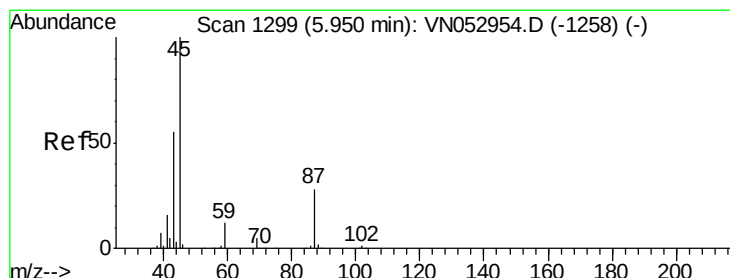
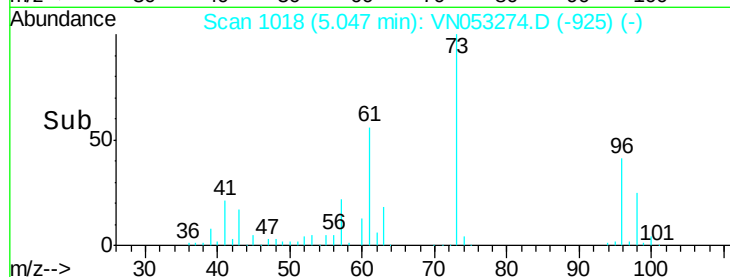
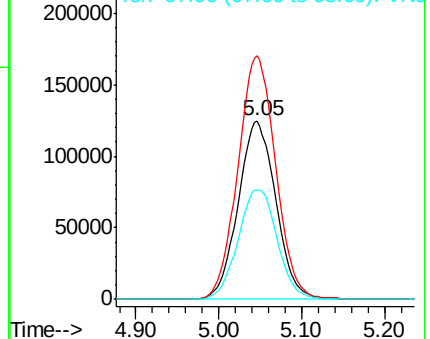
98 61.5 51.4 77.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 59.694 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Tgt Ion: 45 Resp: 1390250

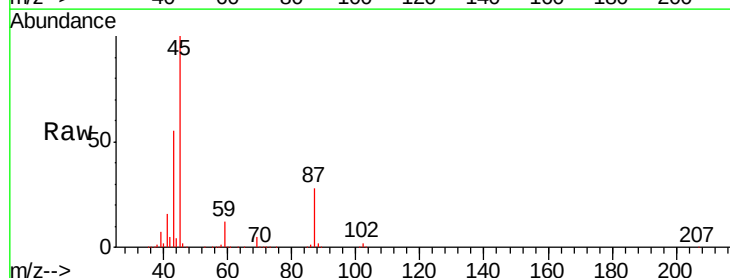
Ion Ratio Lower Upper

45 100

43 54.9 45.5 68.3

87 28.1 22.0 33.0

59 12.3 9.4 14.0

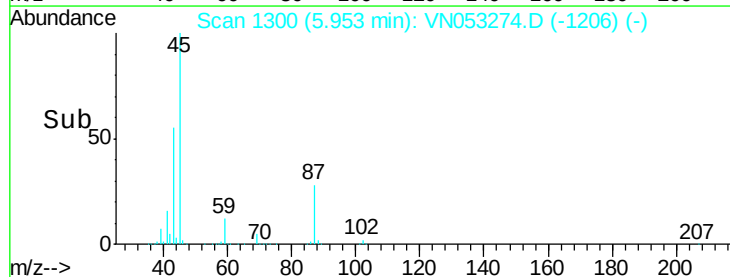
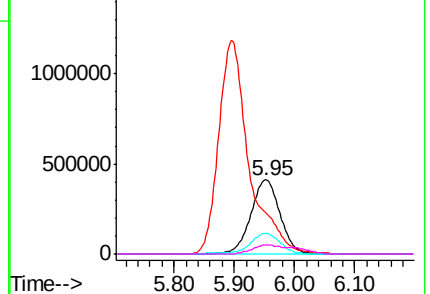


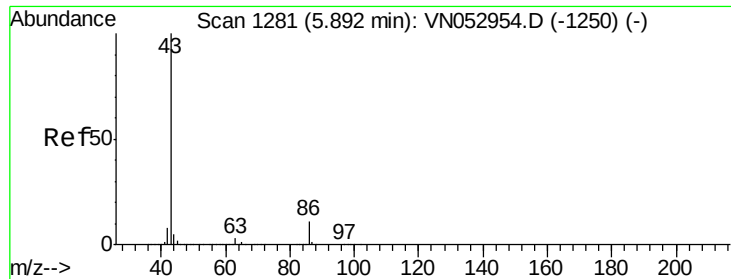
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 308.702 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

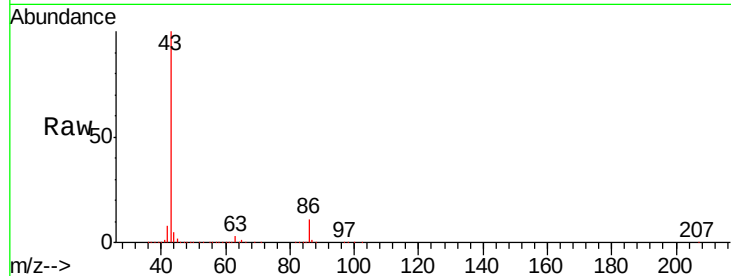
VSTDCCC050EC

Tgt Ion: 43 Resp: 4134177

Ion Ratio Lower Upper

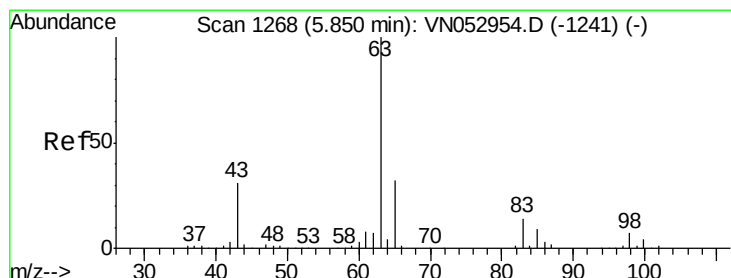
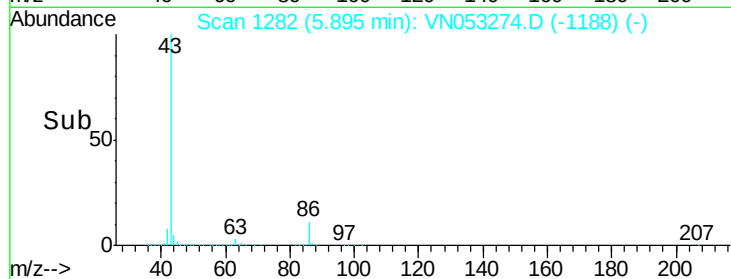
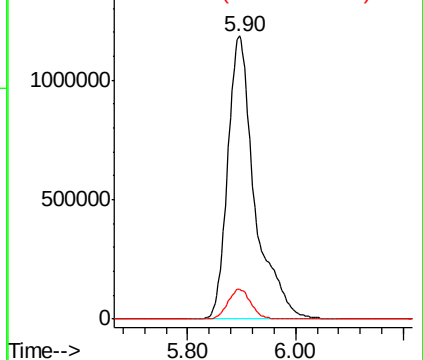
43 100

86 10.5 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 56.955 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

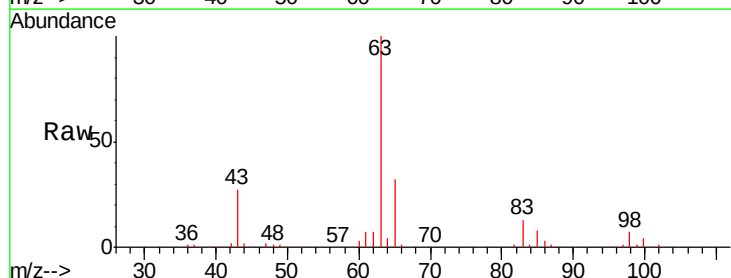
Tgt Ion: 63 Resp: 788217

Ion Ratio Lower Upper

63 100

98 6.8 3.1 9.4

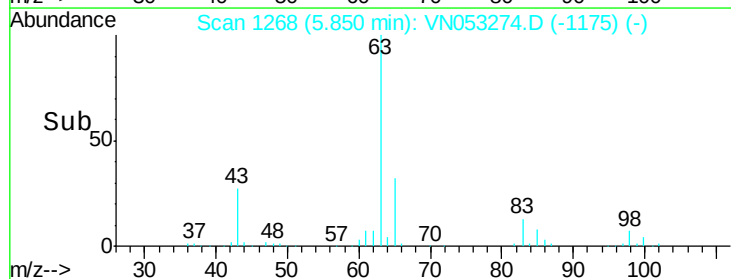
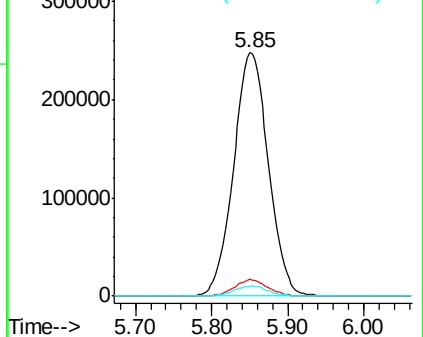
100 4.1 2.0 5.8

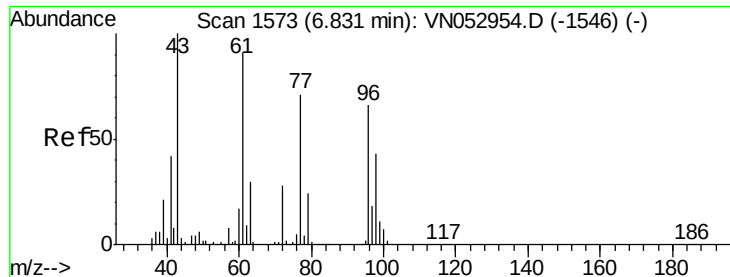


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 348.638 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

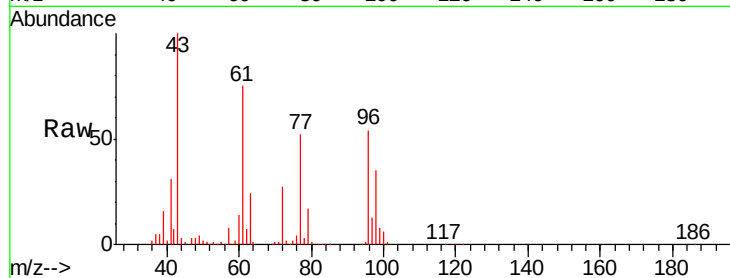
VSTDCCC050EC

Tgt Ion: 43 Resp: 860377

Ion Ratio Lower Upper

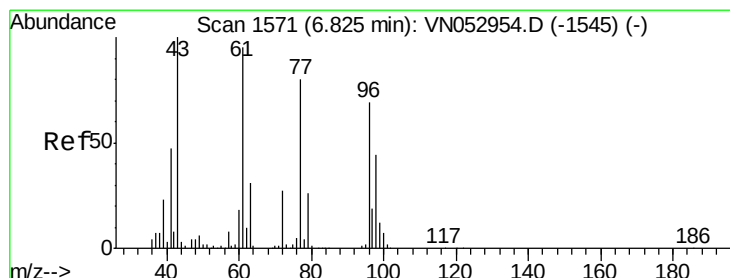
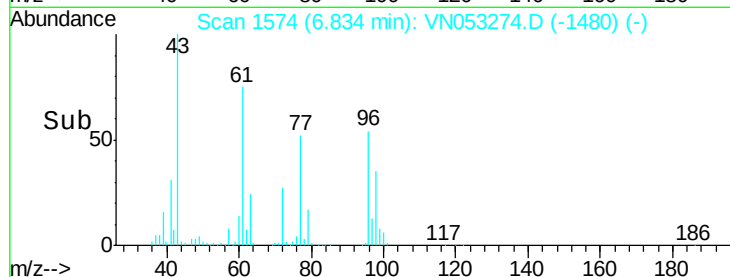
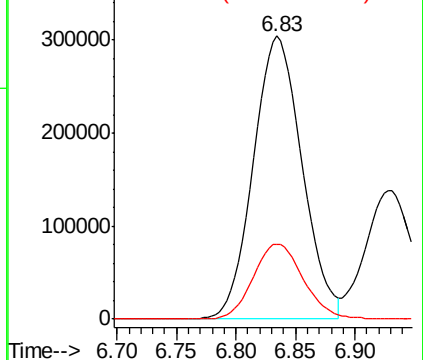
43 100

72 26.7 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 49.988 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053274.D

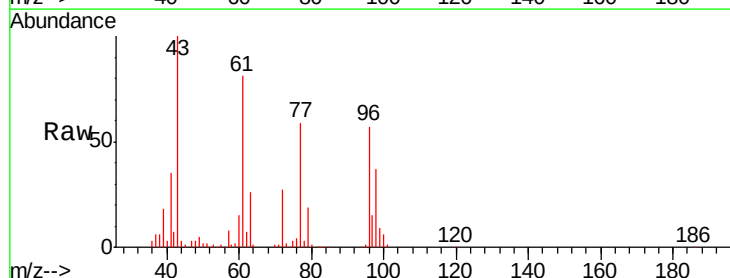
Acq: 3 Jan 2019 20:31

Tgt Ion: 77 Resp: 528096

Ion Ratio Lower Upper

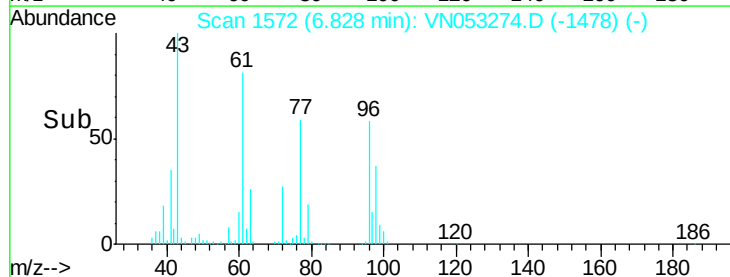
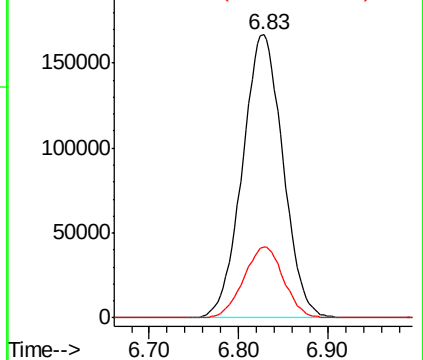
77 100

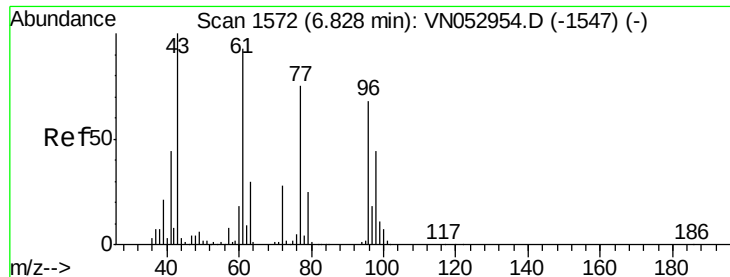
97 24.7 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 55.812 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

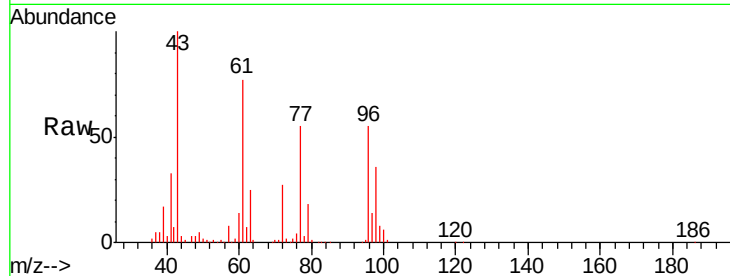
Tgt Ion: 96 Resp: 478196

Ion Ratio Lower Upper

96 100

61 140.7 0.0 284.2

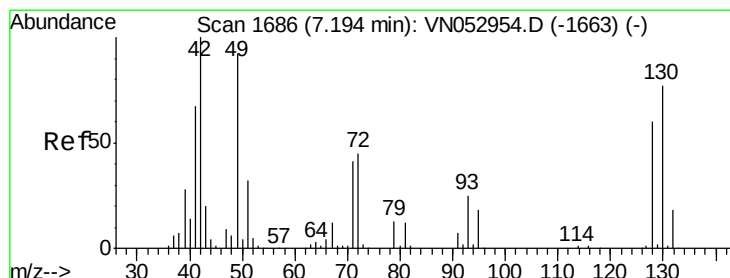
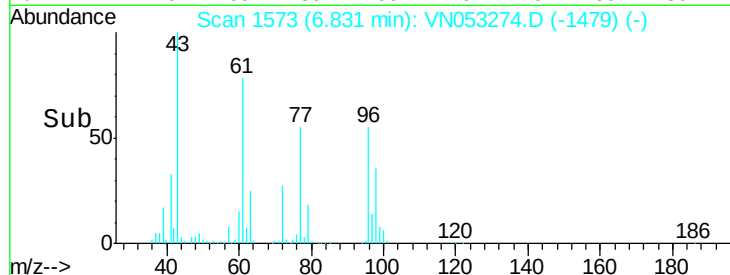
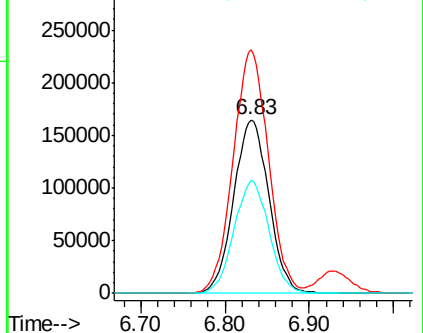
98 64.6 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN053274.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN053274.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN053274.D (-1479) (-)



#28

Bromochloromethane

Concen: 56.899 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

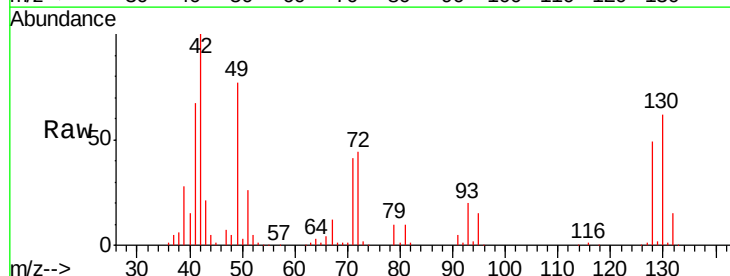
Tgt Ion: 49 Resp: 341211

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

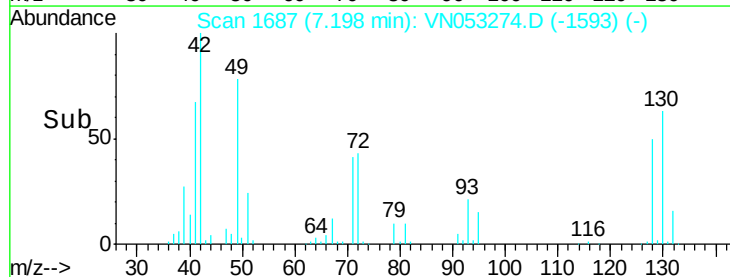
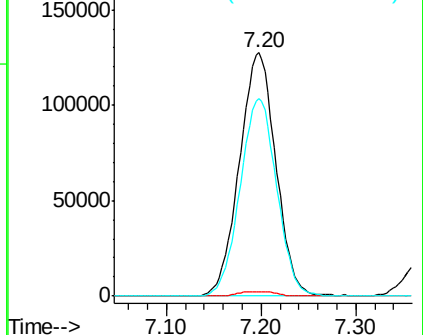
130 81.6 63.3 94.9

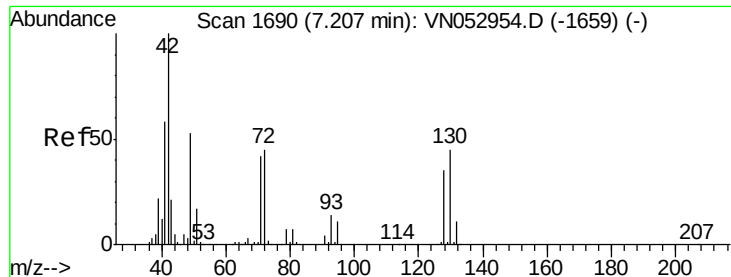


Abundance Ion 48.90 (48.60 to 49.60): VN053274.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN053274.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN053274.D (-1593) (-)

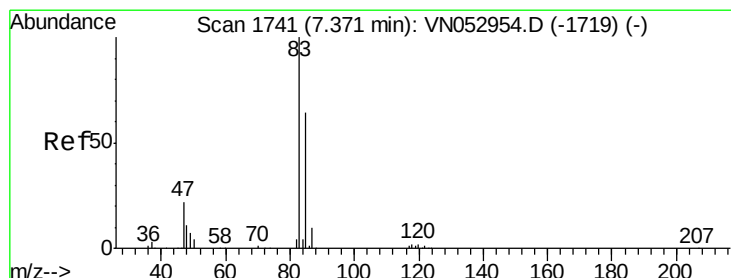
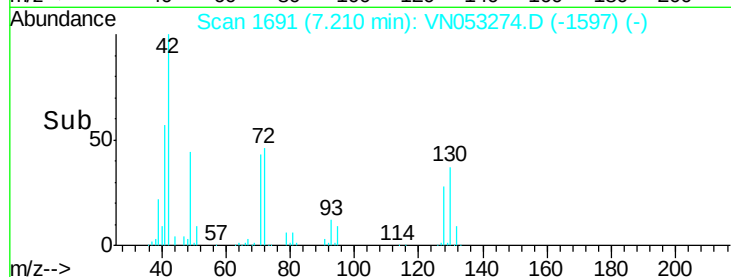
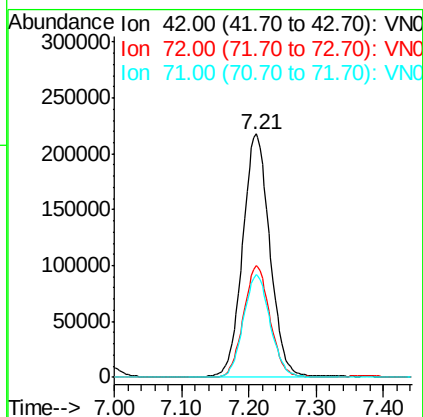
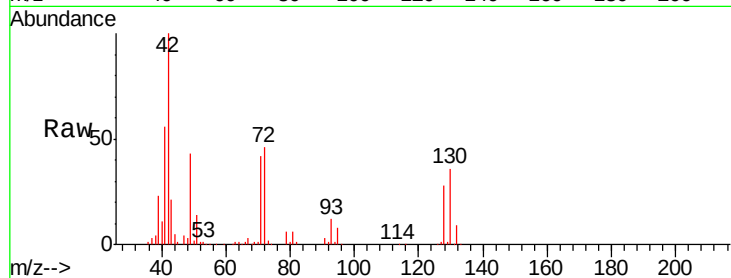




#29
Tetrahydrofuran
Concen: 330.953 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

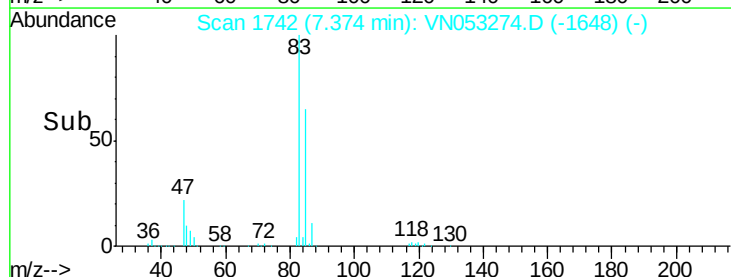
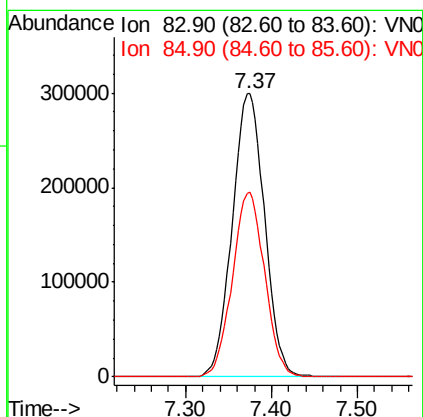
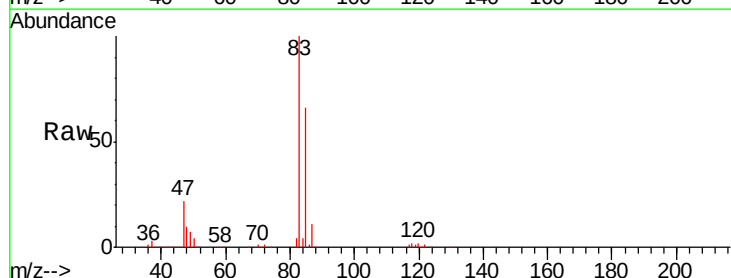
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

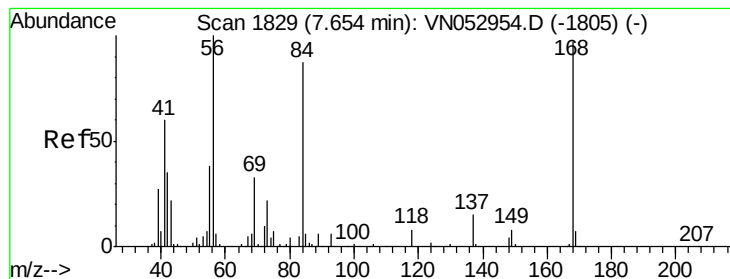
Tgt Ion: 42 Resp: 609993
Ion Ratio Lower Upper
42 100
72 44.7 34.7 52.1
71 41.7 32.3 48.5



#30
Chloroform
Concen: 57.535 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion: 83 Resp: 782187
Ion Ratio Lower Upper
83 100
85 65.5 52.1 78.1





#31

Cyclohexane

Concen: 50.965 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

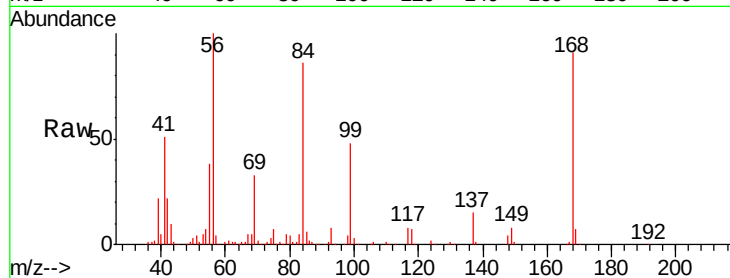
Tgt Ion: 56 Resp: 661245

Ion Ratio Lower Upper

56 100

69 32.5 26.6 39.8

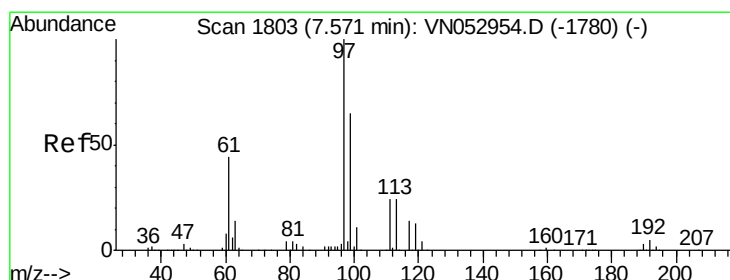
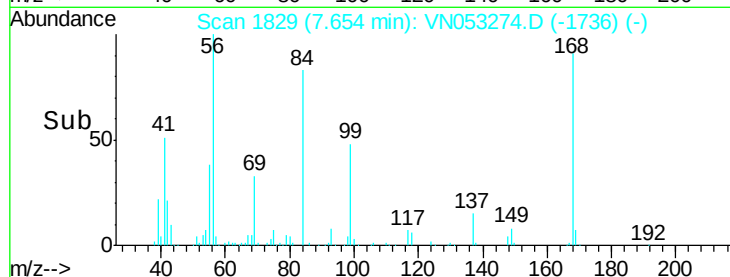
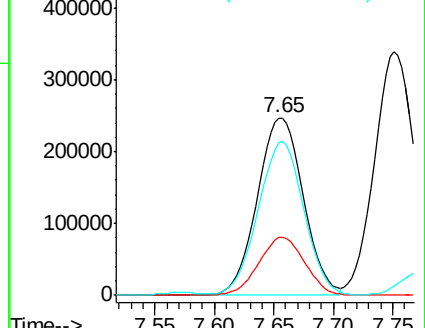
84 84.5 68.4 102.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 54.942 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

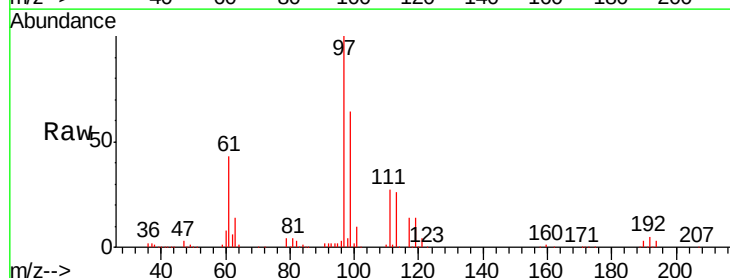
Tgt Ion: 97 Resp: 636298

Ion Ratio Lower Upper

97 100

99 64.7 51.1 76.7

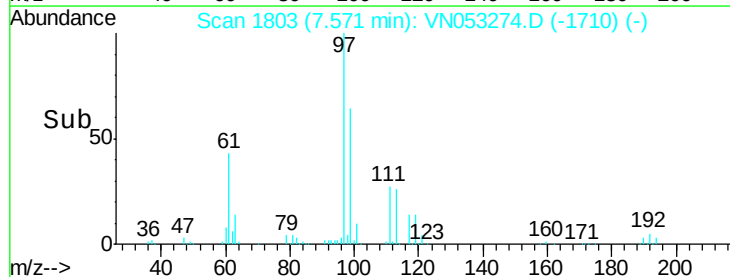
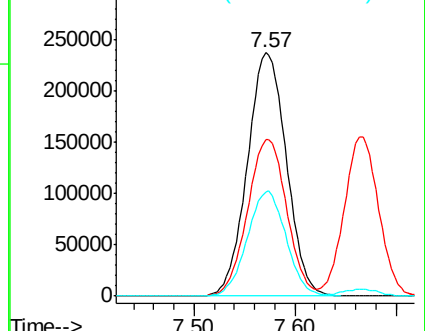
61 42.8 35.0 52.6

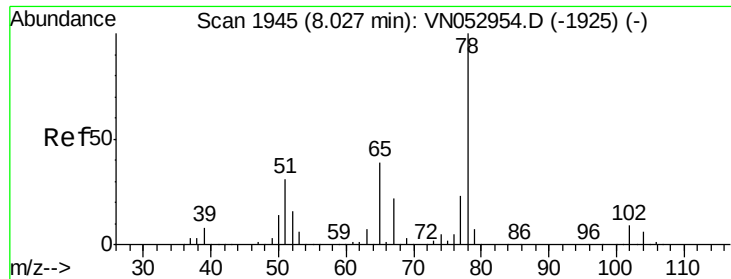


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

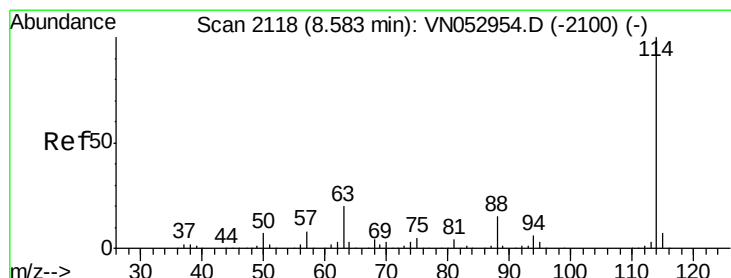
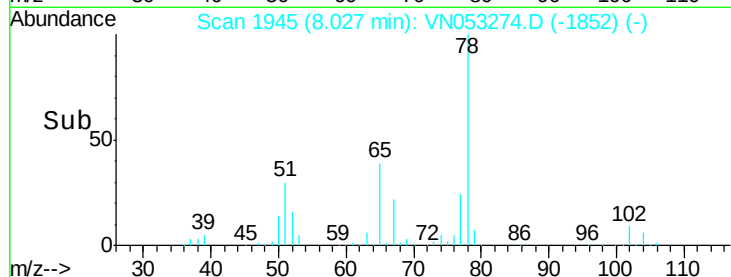
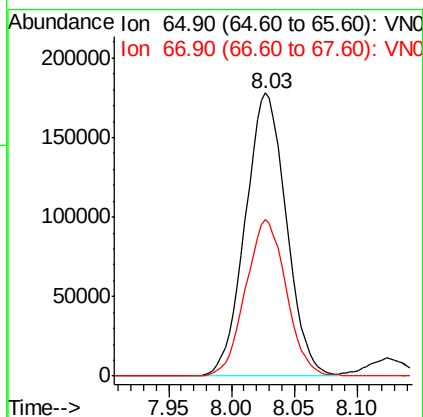
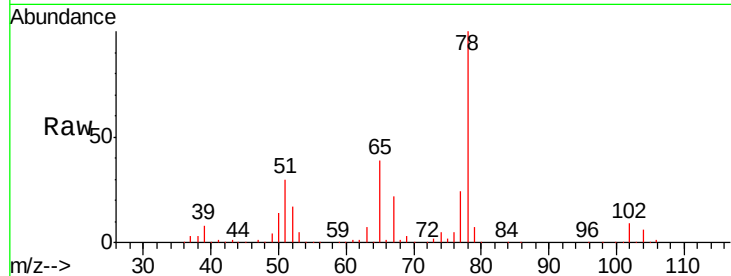




#33
 1,2-Dichloroethane-d4
 Concen: 54.942 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

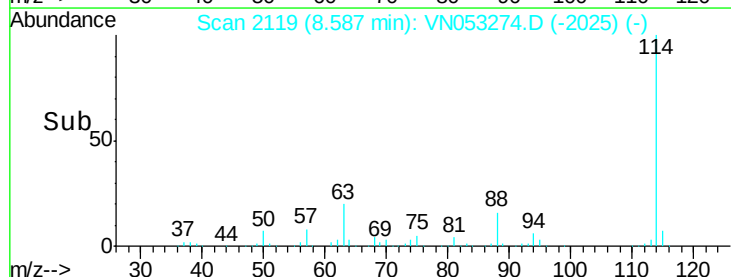
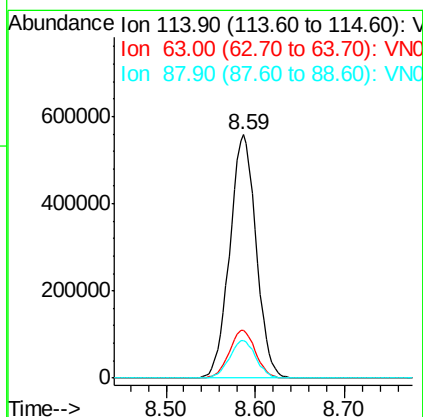
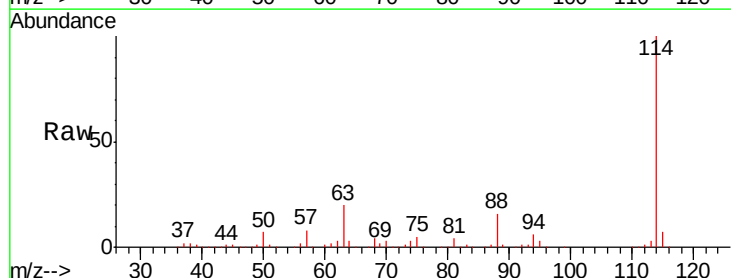
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

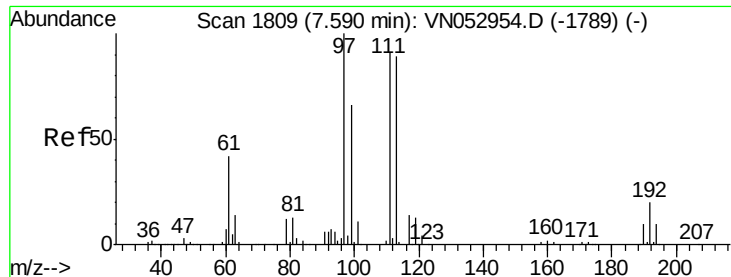
Tgt Ion: 65 Resp: 405698
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion: 114 Resp: 1140205
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.6 0.0 31.0

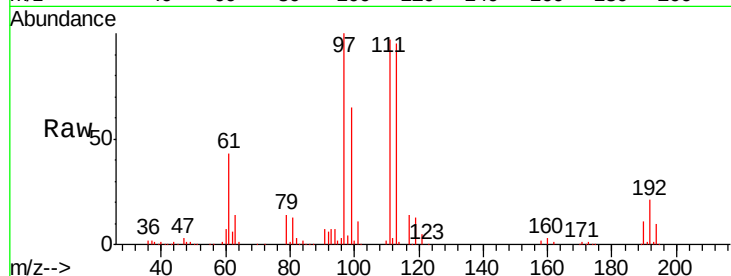




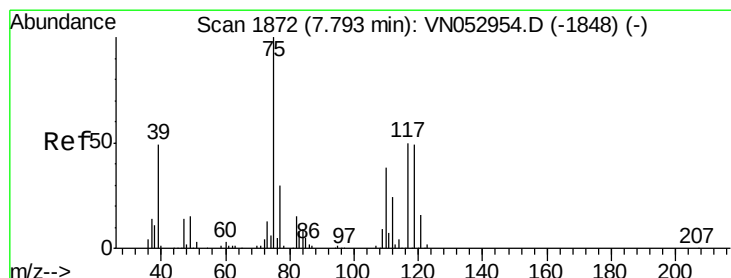
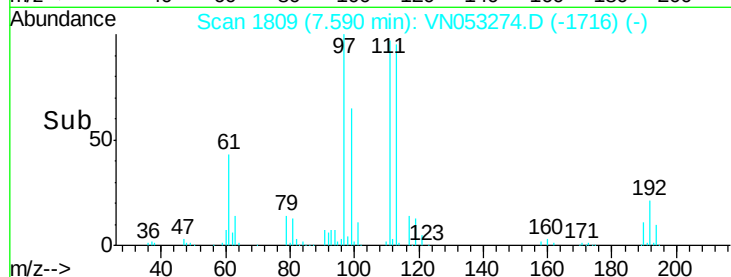
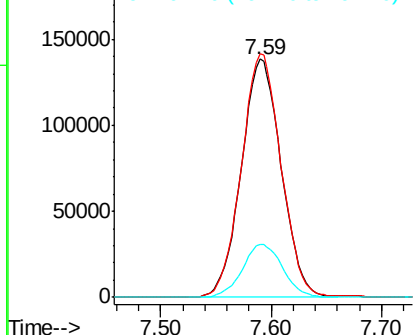
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 113 Resp: 346583
Ion Ratio Lower Upper
113 100
111 101.5 83.0 124.4
192 22.4 17.5 26.3

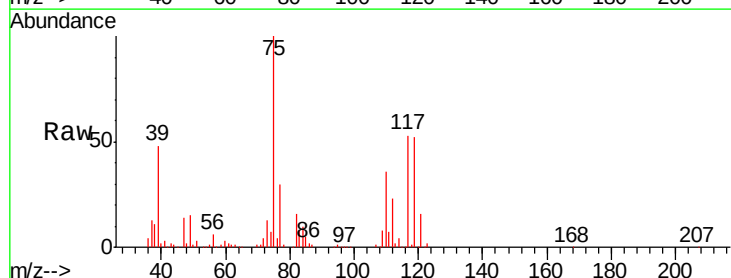


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

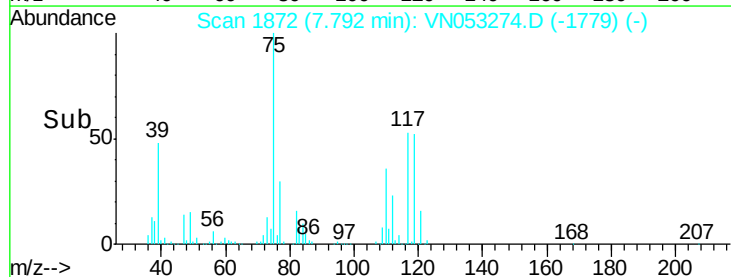
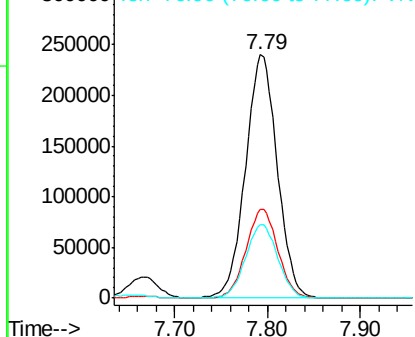


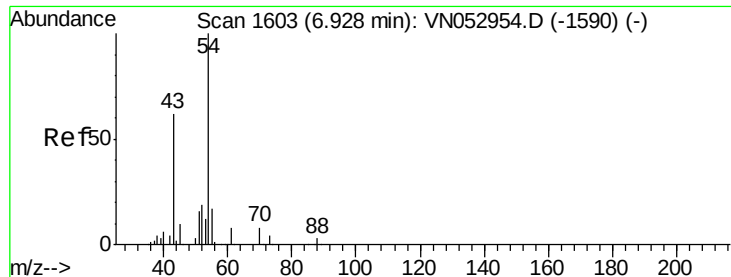
#36
1,1-Dichloropropene
Concen: 51.886 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion: 75 Resp: 567841
Ion Ratio Lower Upper
75 100
110 36.7 18.2 54.6
77 31.1 24.9 37.3



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

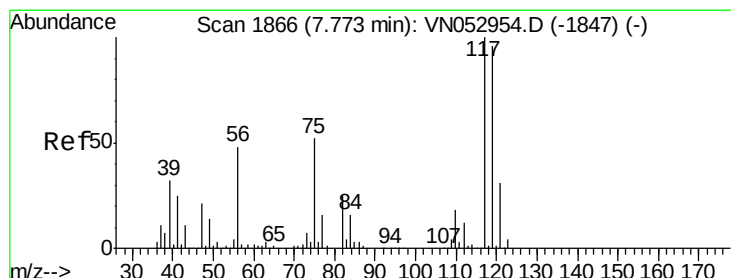
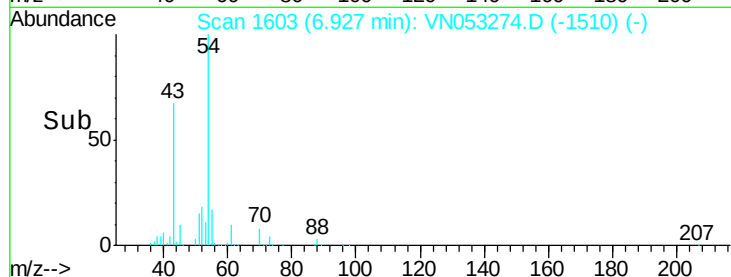
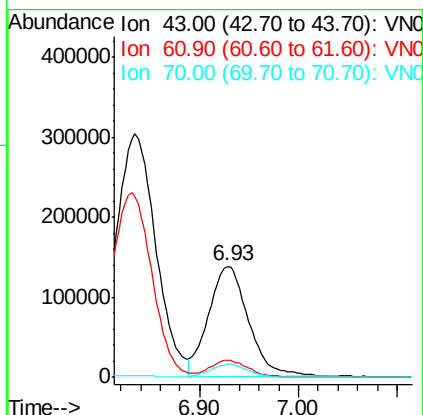
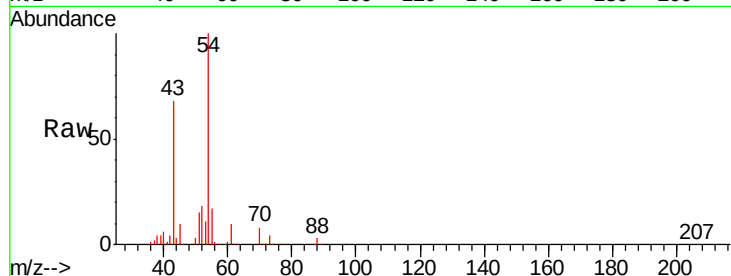




#37
Ethyl Acetate
Concen: 63.679 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

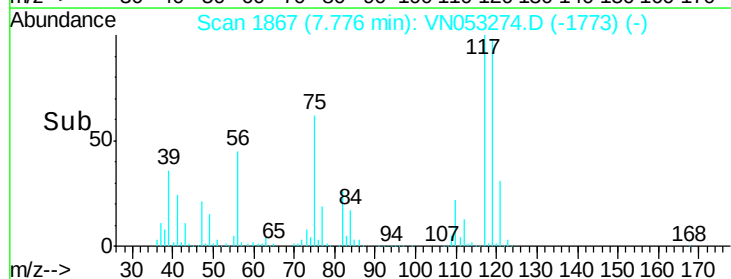
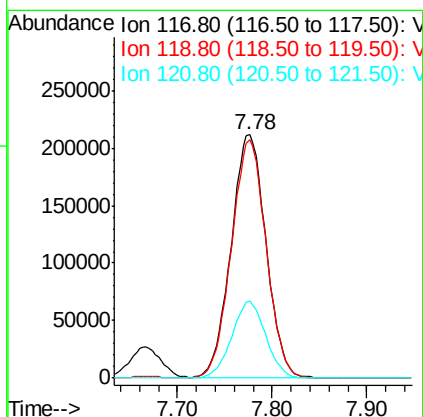
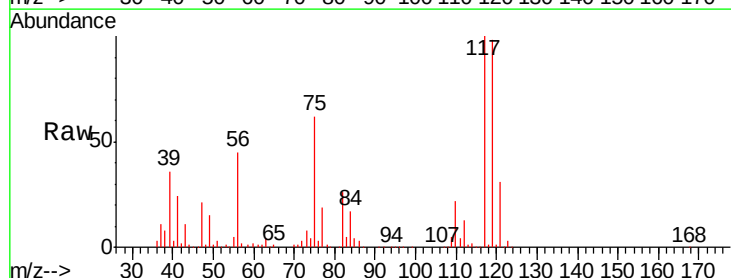
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

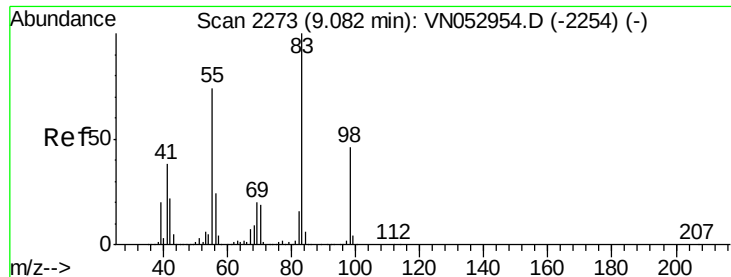
Tgt Ion: 43 Resp: 389044
Ion Ratio Lower Upper
43 100
61 14.8 11.8 17.6
70 11.2 8.4 12.6



#38
Carbon Tetrachloride
Concen: 54.048 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion: 117 Resp: 542168
Ion Ratio Lower Upper
117 100
119 97.8 77.1 115.7
121 31.5 24.9 37.3

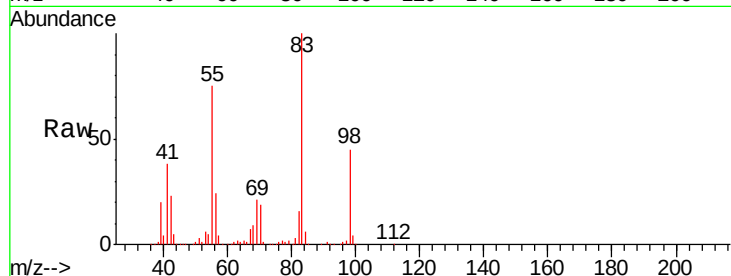




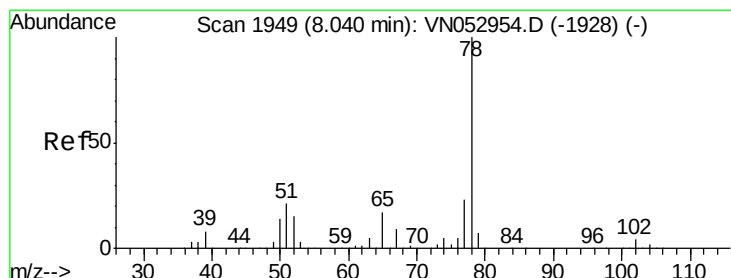
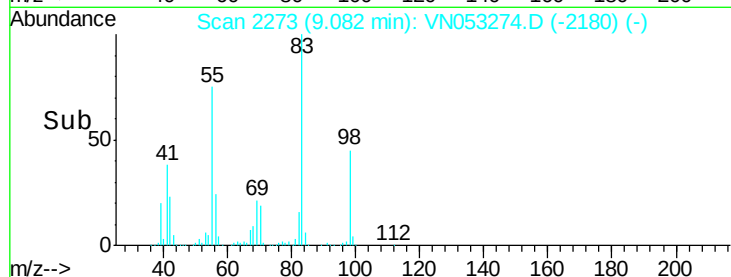
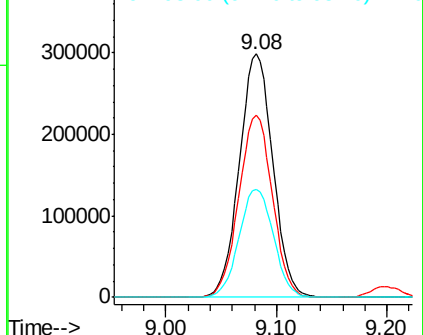
#39
Methylcyclohexane
Concen: 47.301 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 628851
Ion Ratio Lower Upper
83 100
55 75.0 61.3 91.9
98 44.5 37.0 55.4

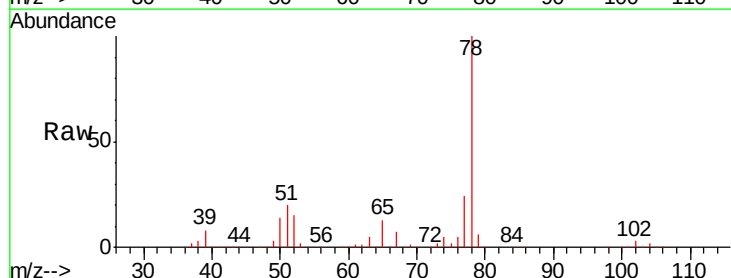


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

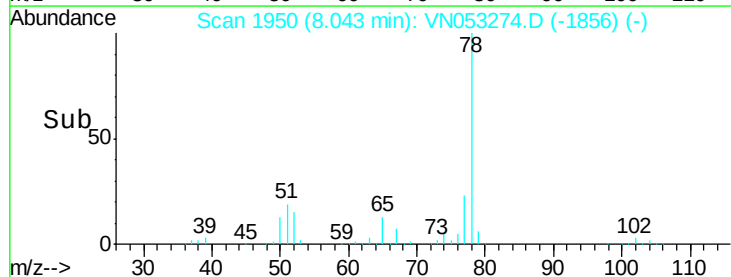
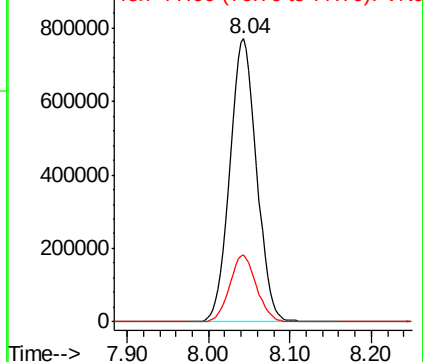


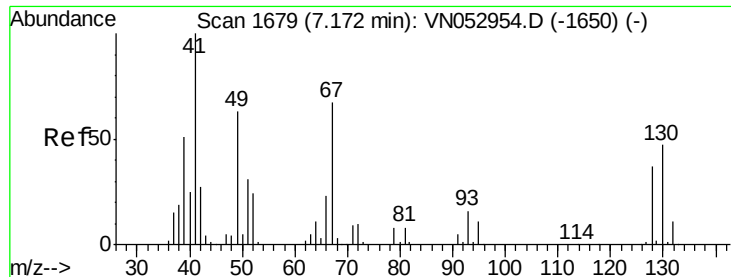
#40
Benzene
Concen: 54.396 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion: 78 Resp: 1770743
Ion Ratio Lower Upper
78 100
77 23.5 18.5 27.7



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

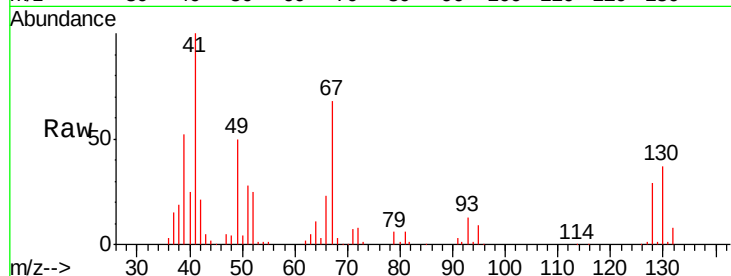




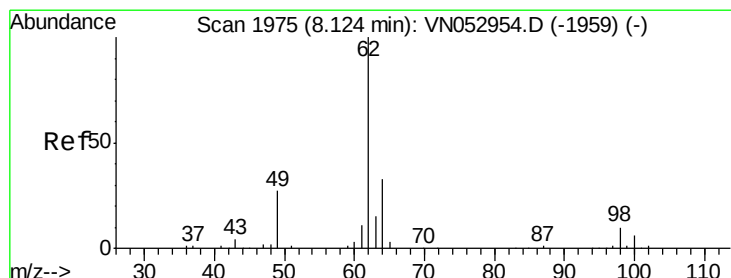
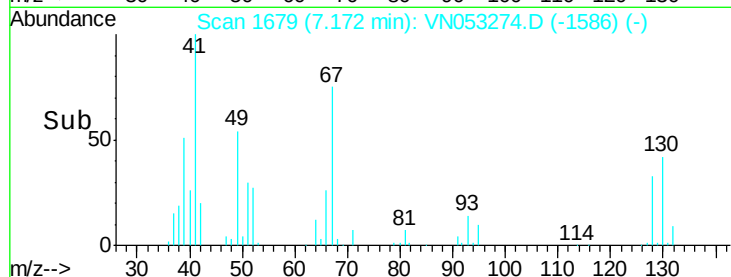
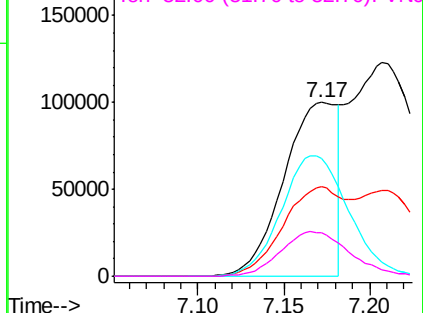
#41
Methacrylonitrile
Concen: 61.426 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 216835
Ion Ratio Lower Upper
41 100
39 59.2 48.0 72.0
67 87.9 70.3 105.5
52 32.7 26.9 40.3

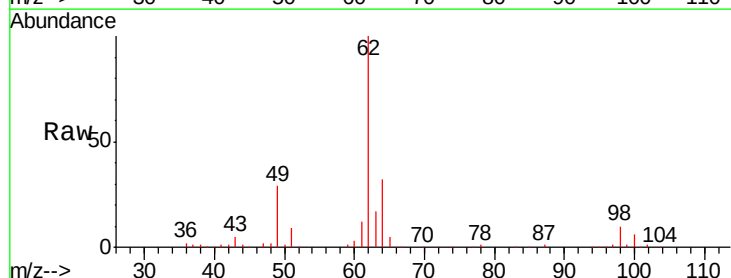


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

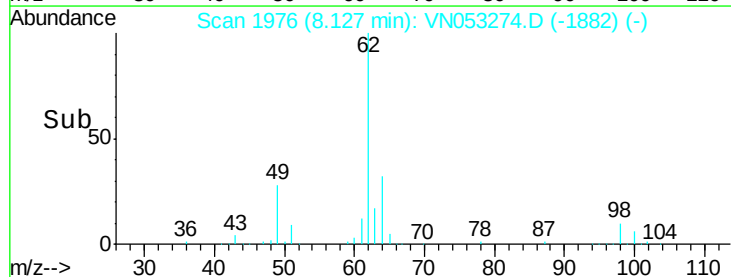
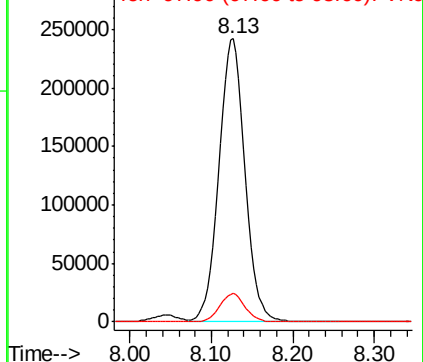


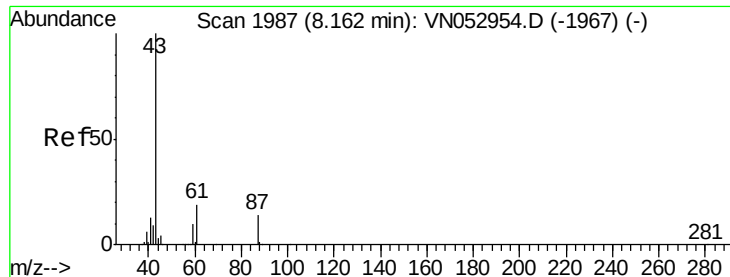
#42
1,2-Dichloroethane
Concen: 56.587 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion: 62 Resp: 544177
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 60.951 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

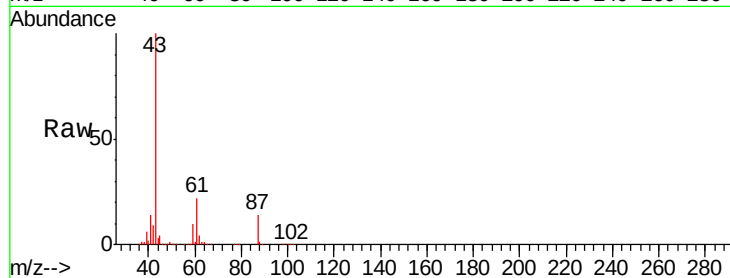
Tgt Ion: 43 Resp: 717916

Ion Ratio Lower Upper

43 100

61 29.1 22.9 34.3

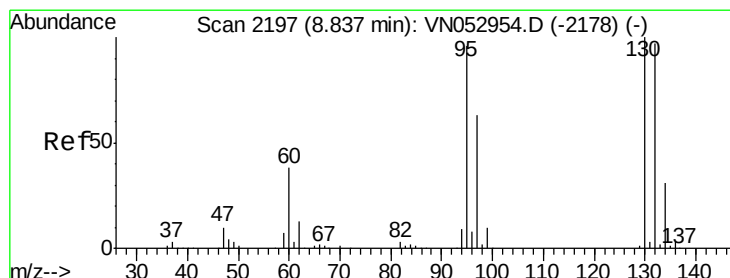
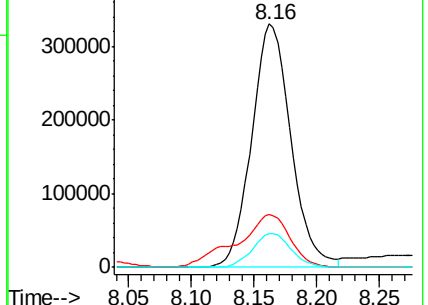
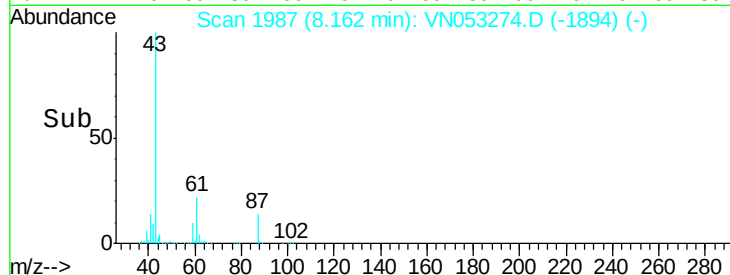
87 13.8 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN053274.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053274.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053274.D (-1894) (-)



#44

Trichloroethene

Concen: 51.639 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. -0.00 min

Lab File: VN053274.D

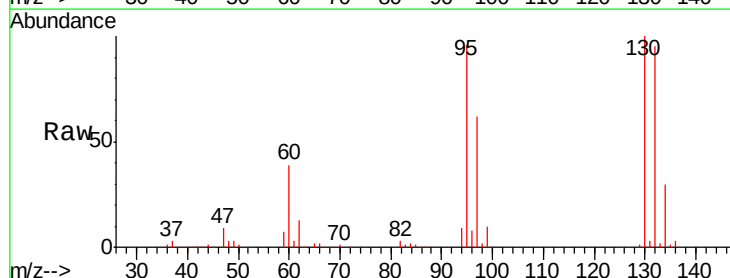
Acq: 3 Jan 2019 20:31

Tgt Ion: 130 Resp: 486209

Ion Ratio Lower Upper

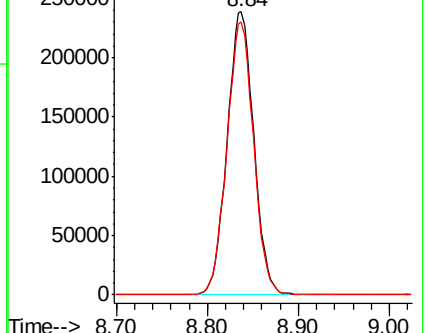
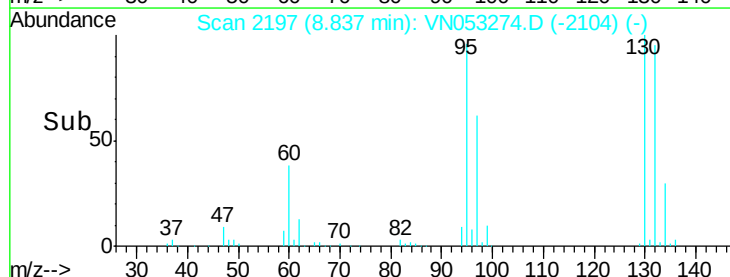
130 100

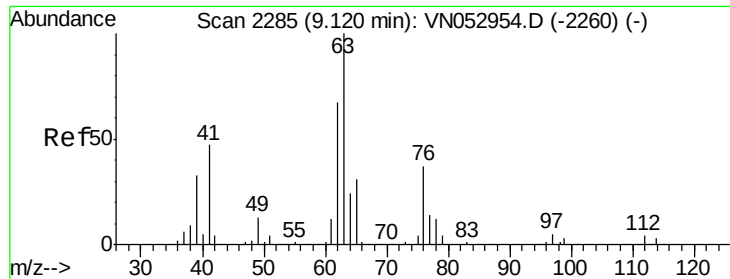
95 96.3 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN053274.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053274.D (-2104) (-)

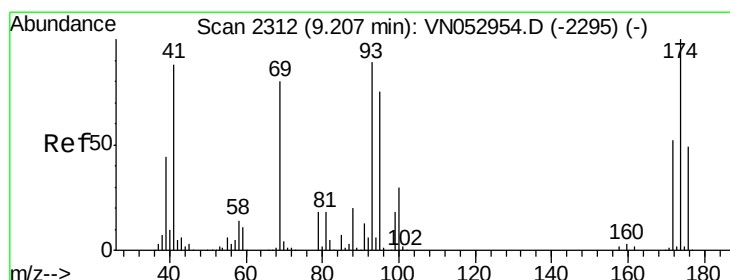
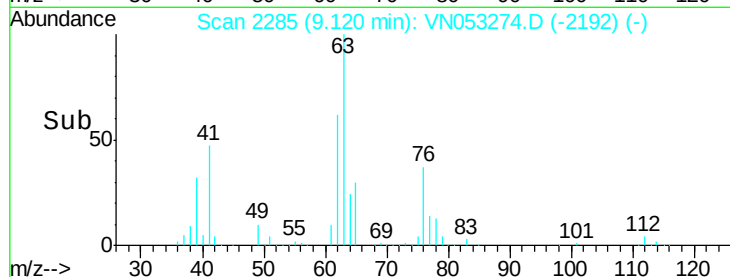
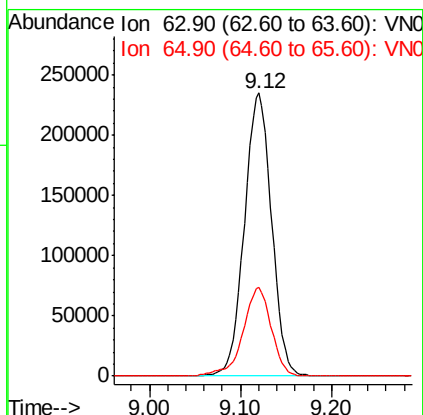
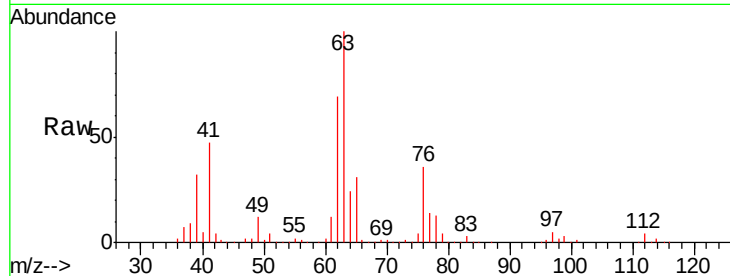




#45
 1,2-Dichloropropane
 Concen: 57.471 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

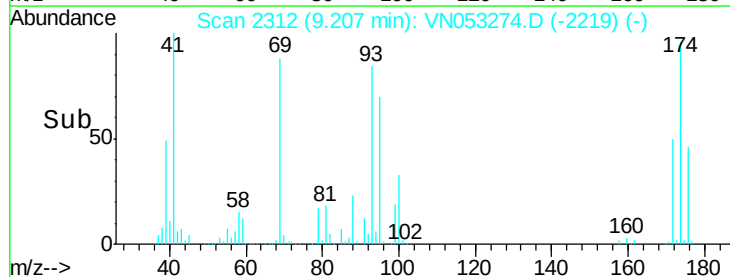
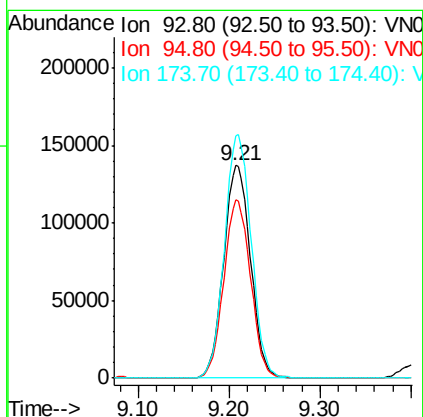
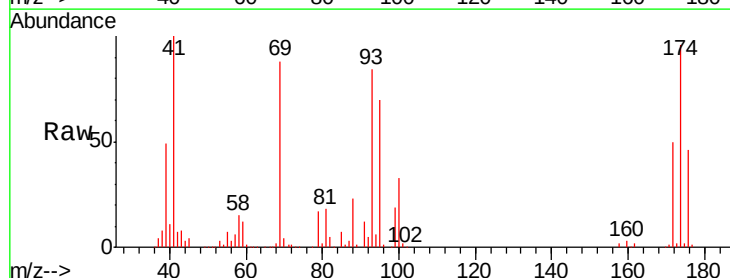
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

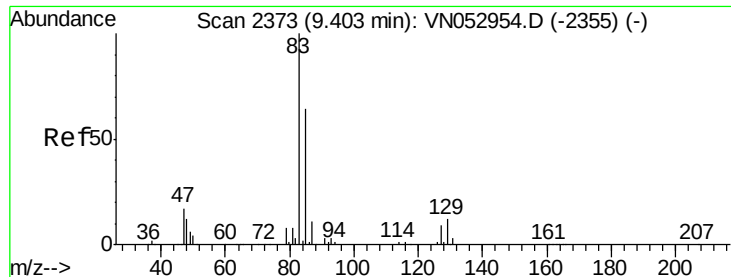
Tgt Ion: 63 Resp: 487301
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.6 37.0



#46
 Dibromomethane
 Concen: 57.227 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion: 93 Resp: 282669
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.8 101.6
 174 113.7 89.0 133.4





#47

Bromodichloromethane

Concen: 56.866 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

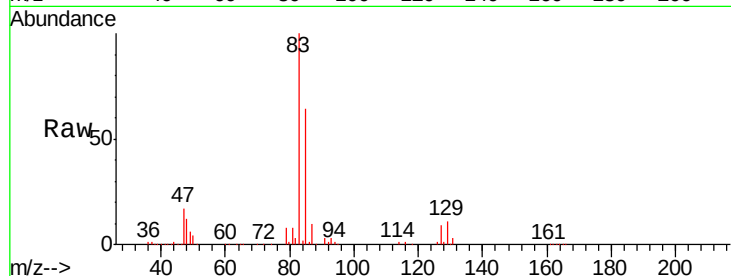
Tgt Ion: 83 Resp: 597063

Ion Ratio Lower Upper

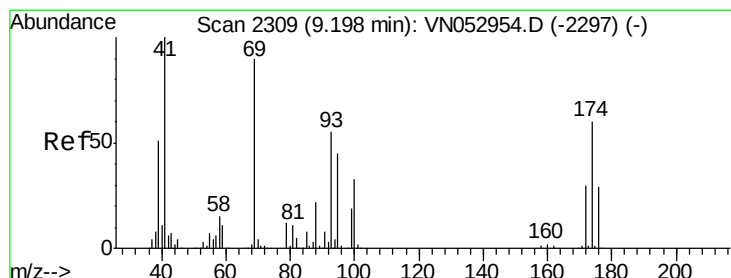
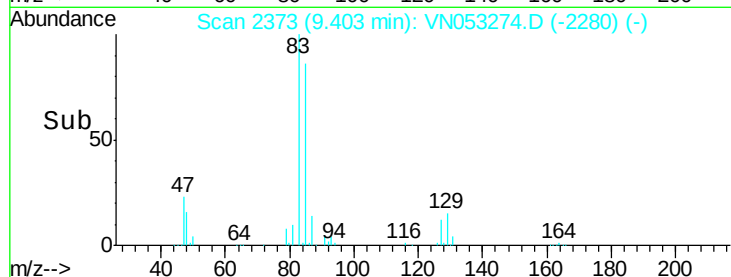
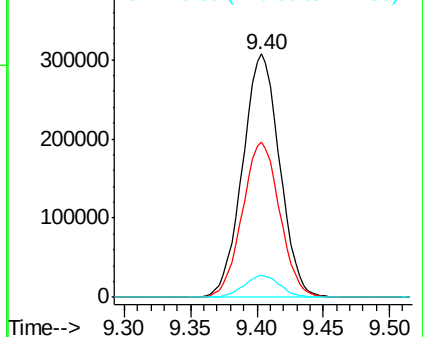
83 100

85 63.6 51.6 77.4

127 8.9 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 60.866 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

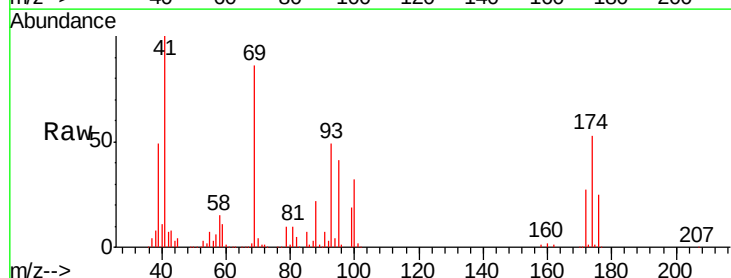
Tgt Ion: 41 Resp: 360844

Ion Ratio Lower Upper

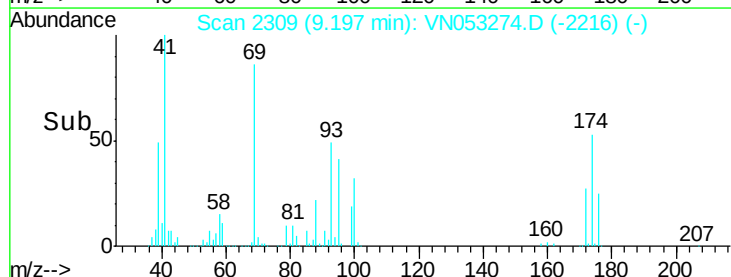
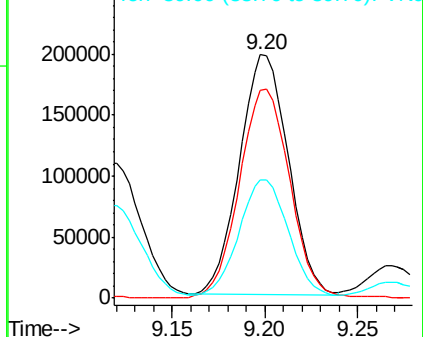
41 100

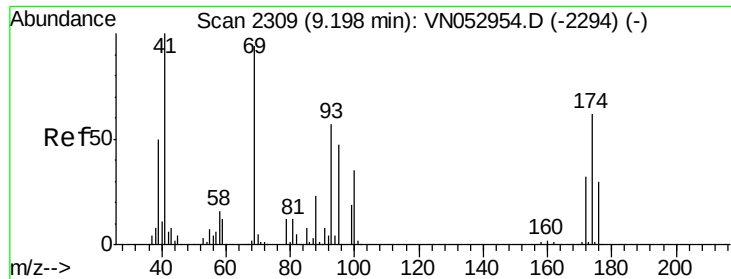
69 90.4 72.2 108.2

39 51.0 41.9 62.9



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

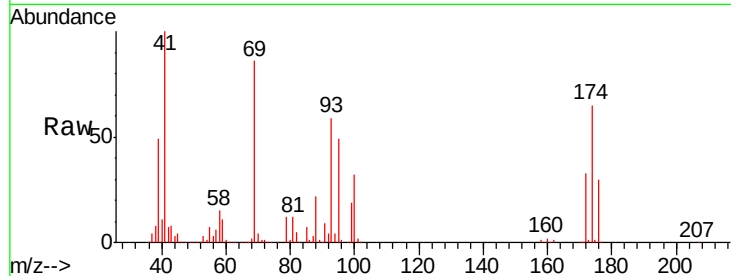




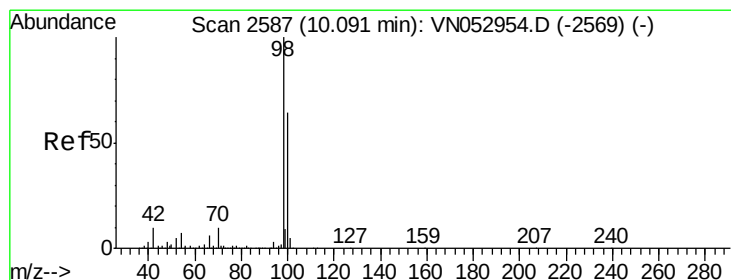
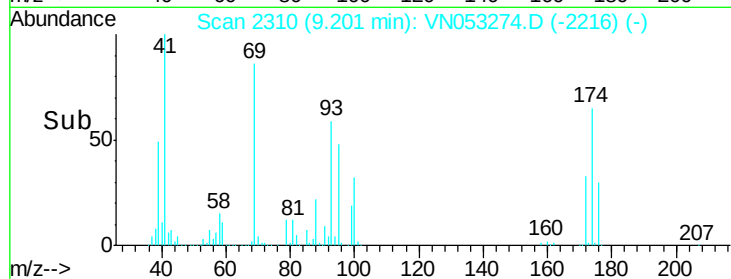
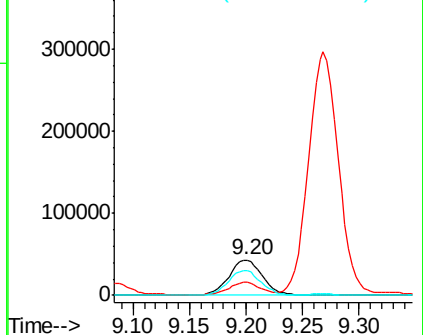
#49
1,4-Dioxane
Concen: 1189.135 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 89176
Ion Ratio Lower Upper
88 100
43 32.3 26.6 40.0
58 68.8 58.4 87.6

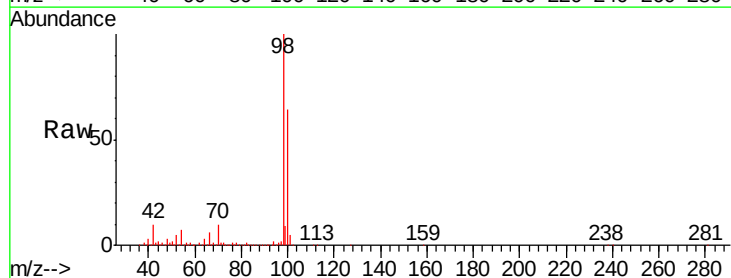


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

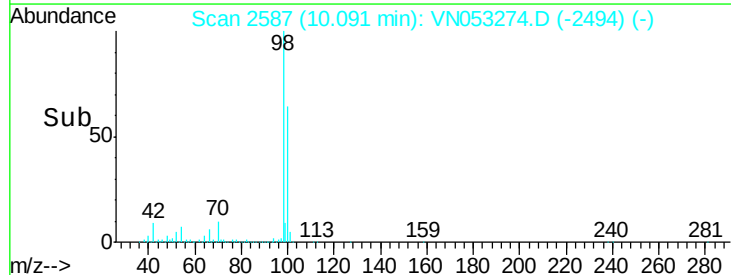
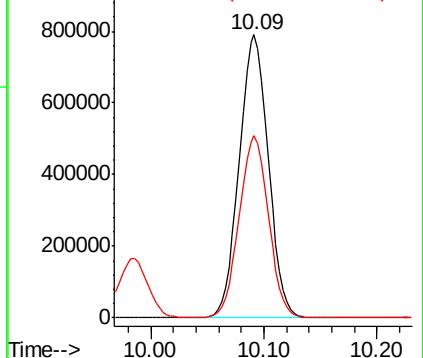


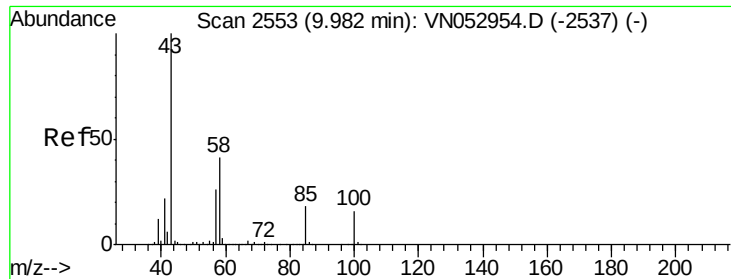
#50
Toluene-d8
Concen: 1189.135 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion: 98 Resp: 1420649
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

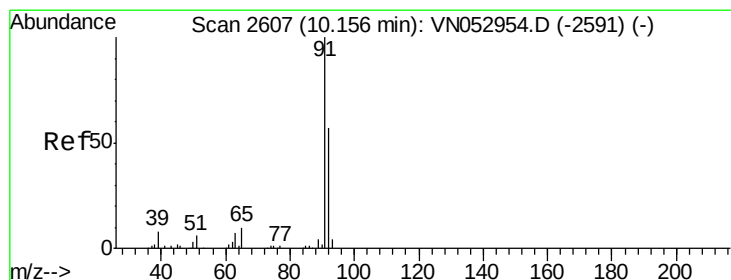
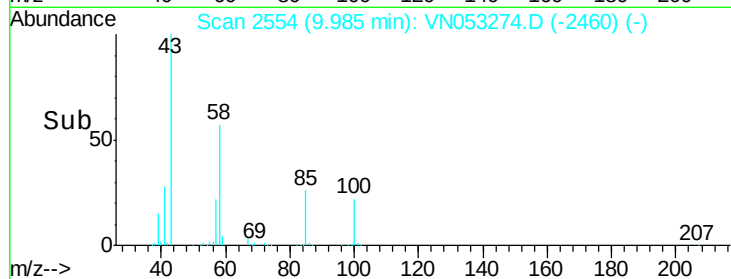
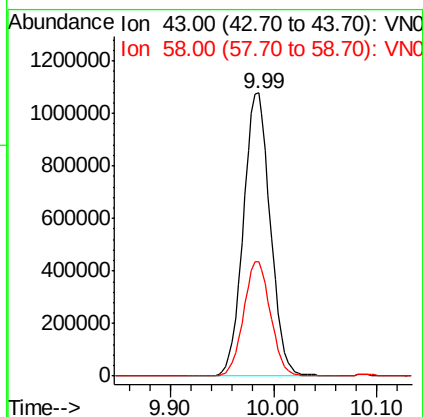
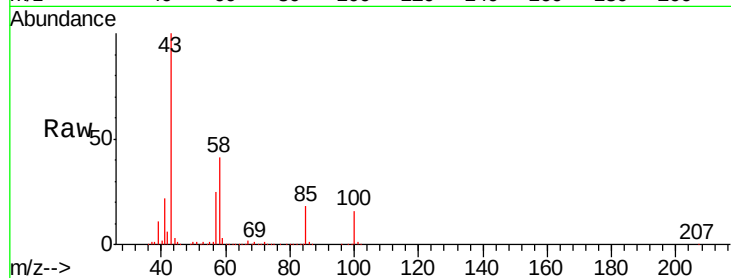




#51
 4-Methyl-2-Pentanone
 Concen: 329.422 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

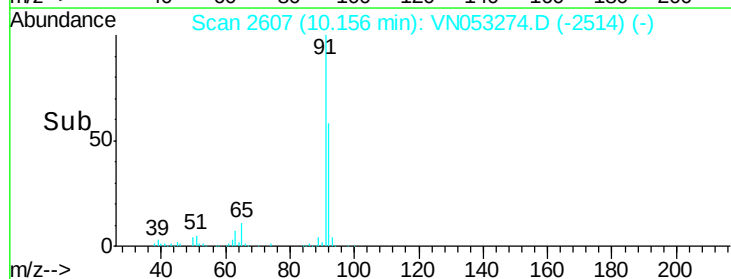
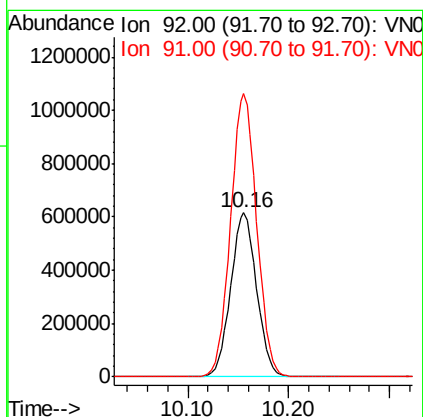
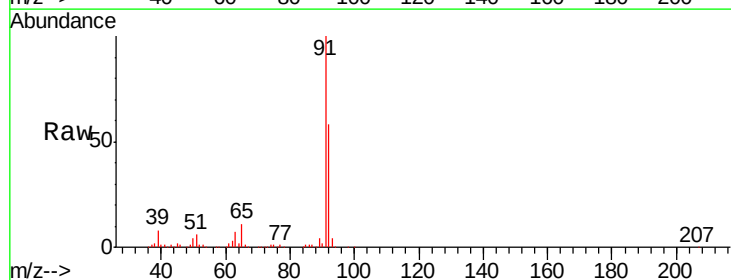
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

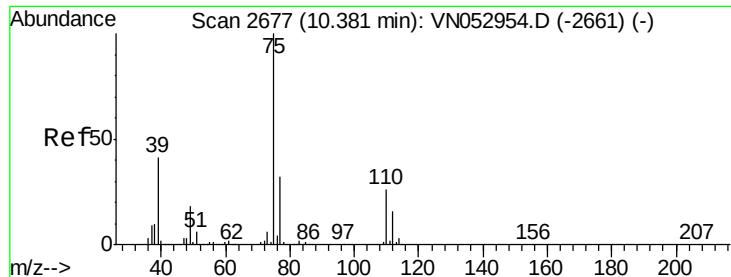
Tgt Ion: 43 Resp: 1949039
 Ion Ratio Lower Upper
 43 100
 58 40.6 32.2 48.4



#52
 Toluene
 Concen: 54.507 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion: 92 Resp: 1099799
 Ion Ratio Lower Upper
 92 100
 91 173.9 139.8 209.6





#53

t-1,3-Dichloropropene

Concen: 54.809 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

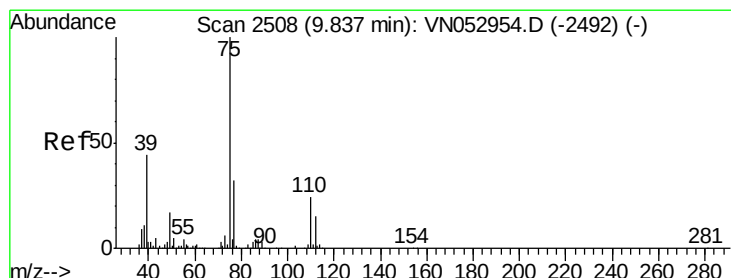
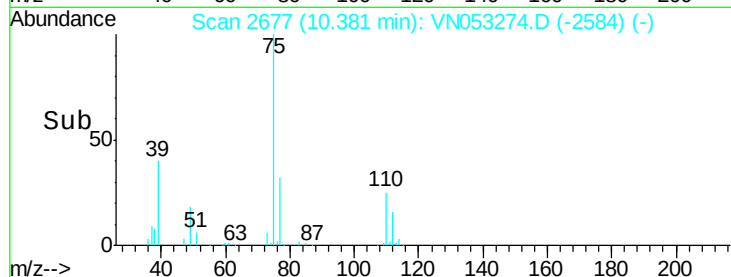
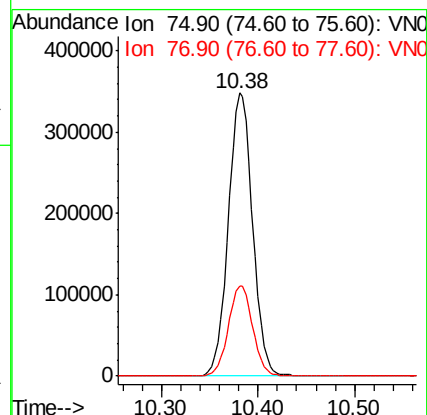
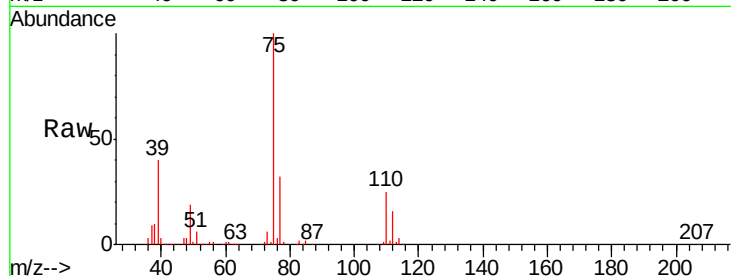
VSTDCCC050EC

Tgt Ion: 75 Resp: 605129

Ion Ratio Lower Upper

75 100

77 31.9 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 54.837 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

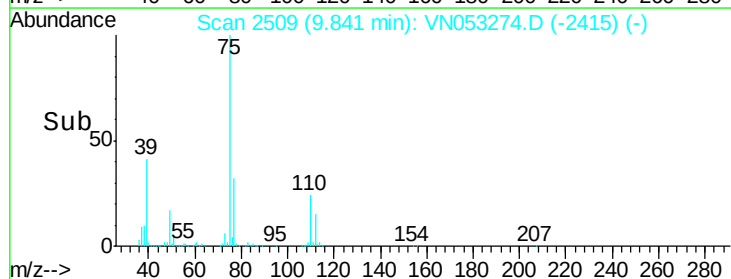
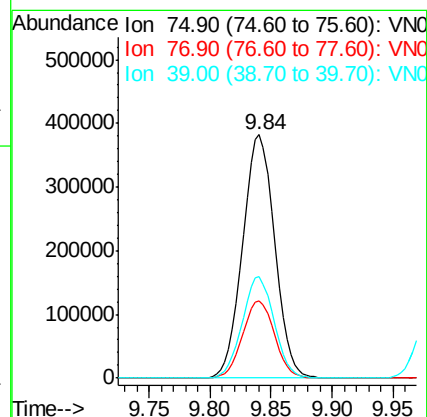
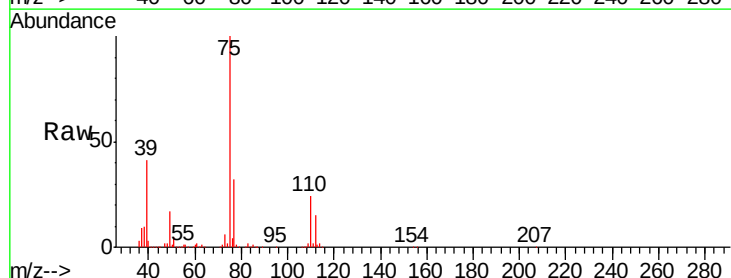
Tgt Ion: 75 Resp: 694942

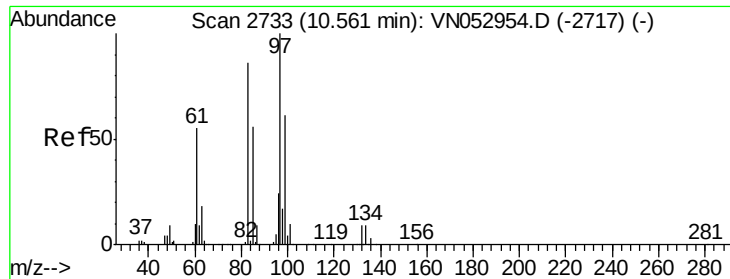
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

39 41.4 34.8 52.2





#55

1,1,2-Trichloroethane

Concen: 59.333 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 417650

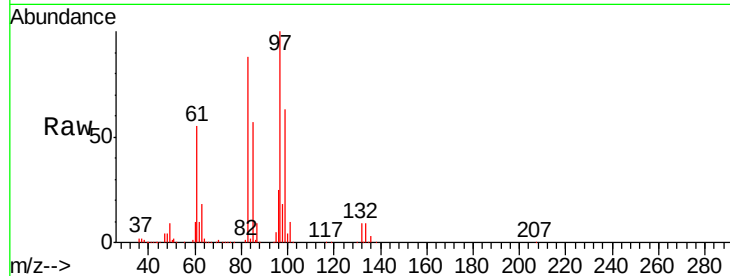
Ion Ratio Lower Upper

97 100

83 87.8 70.9 106.3

85 57.2 45.4 68.2

99 62.8 50.4 75.6

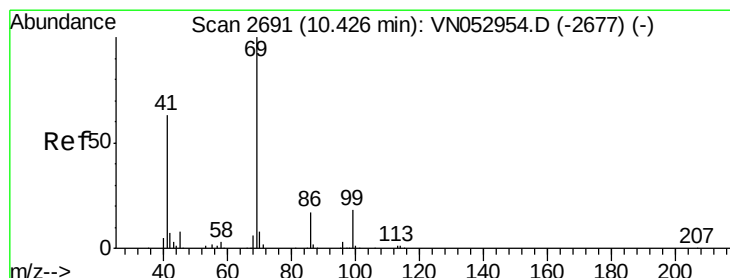
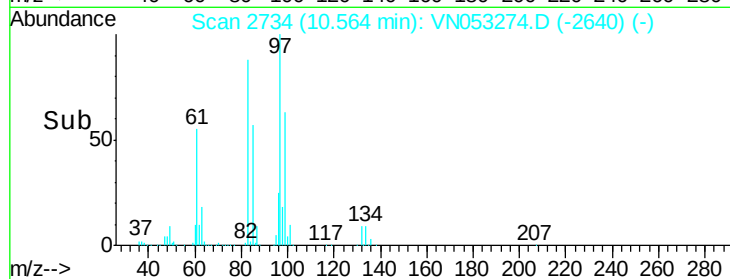
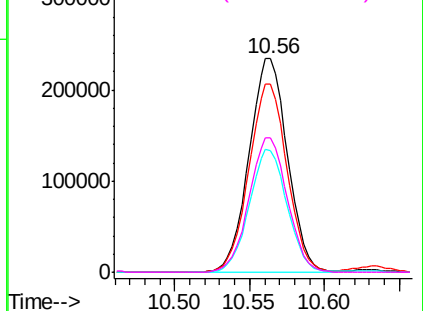


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 60.638 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

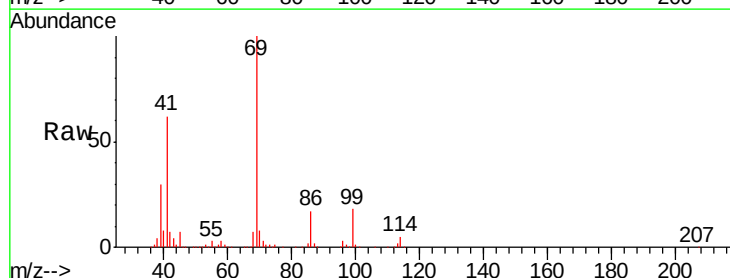
Tgt Ion: 69 Resp: 564965

Ion Ratio Lower Upper

69 100

41 61.5 51.7 77.5

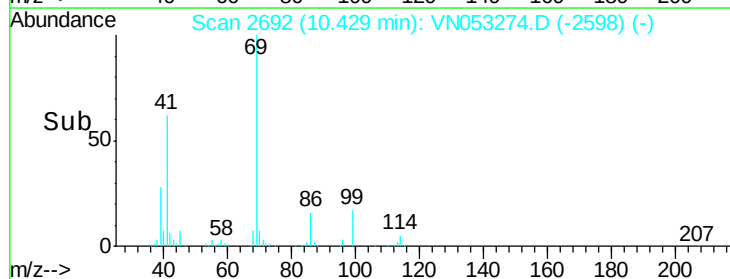
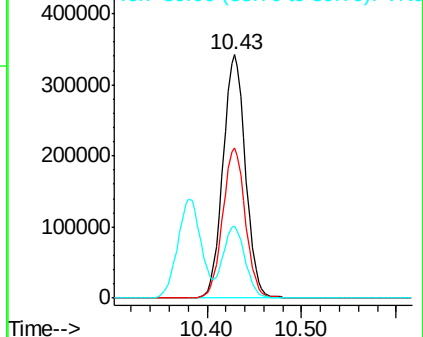
39 29.1 24.6 37.0

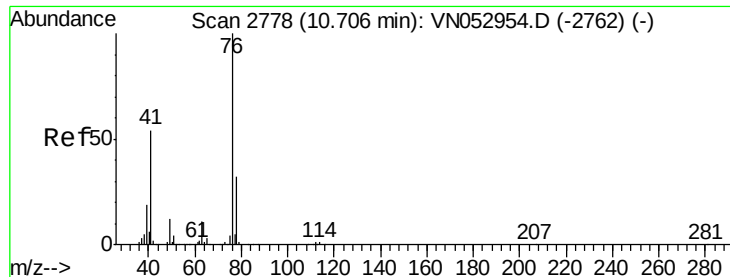


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

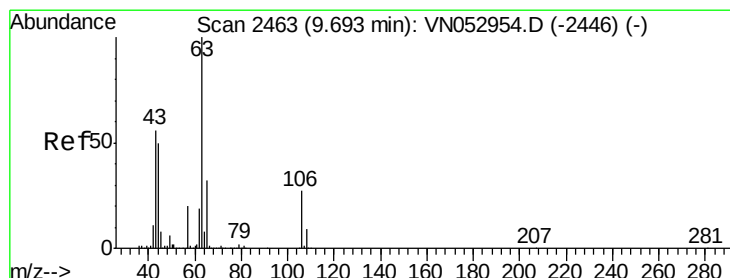
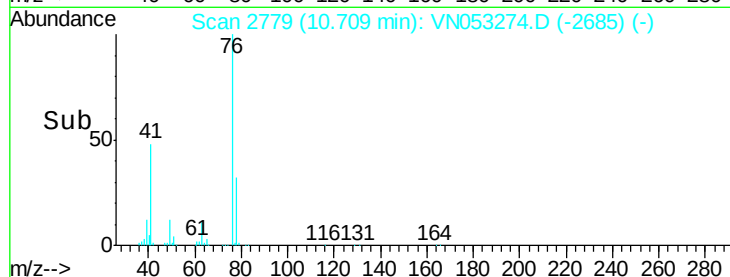
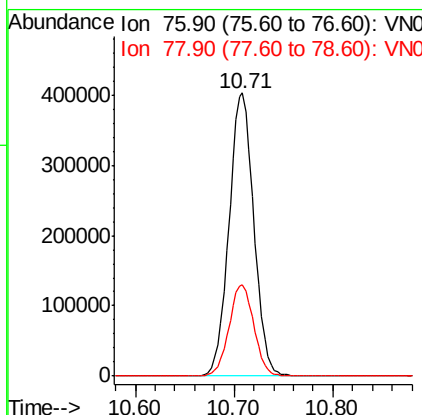
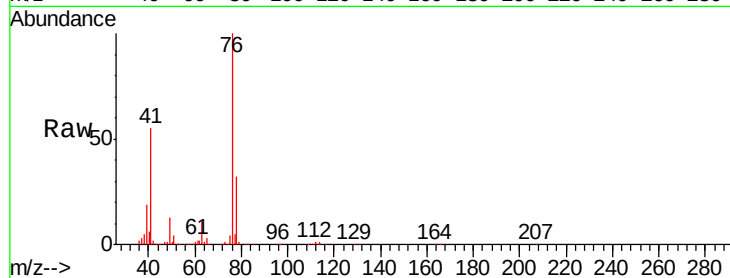




#57
 1,3-Dichloropropane
 Concen: 58.560 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

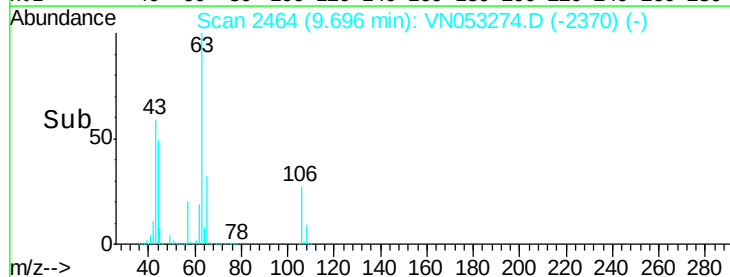
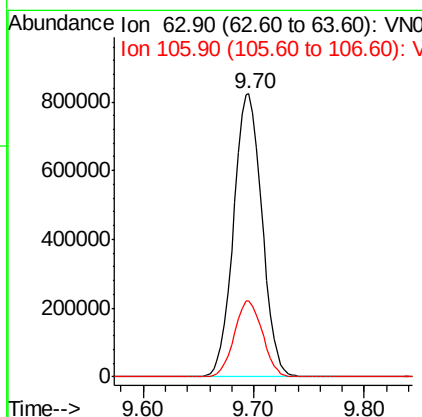
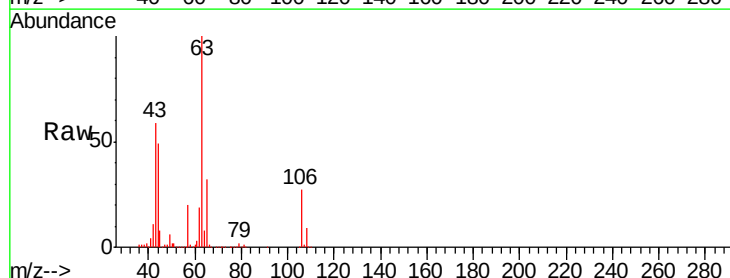
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

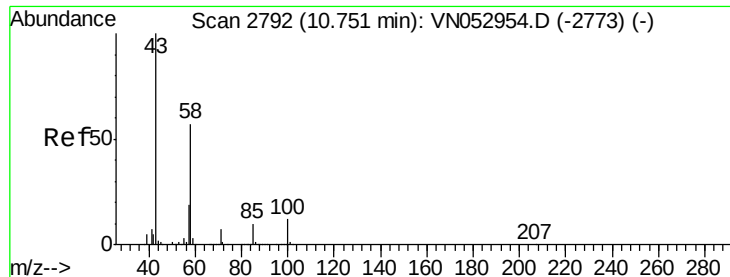
Tgt Ion: 76 Resp: 706870
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 287.185 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion: 63 Resp: 1468946
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.0 31.6

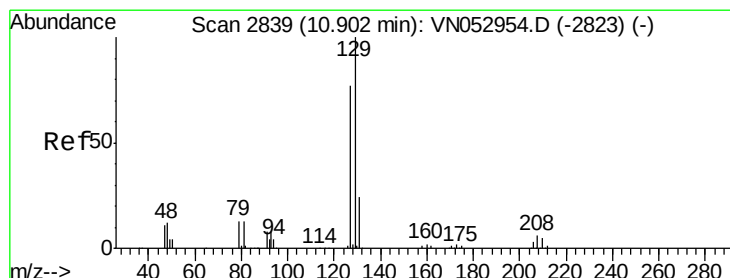
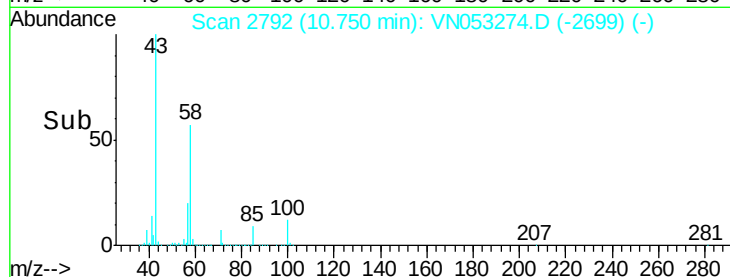
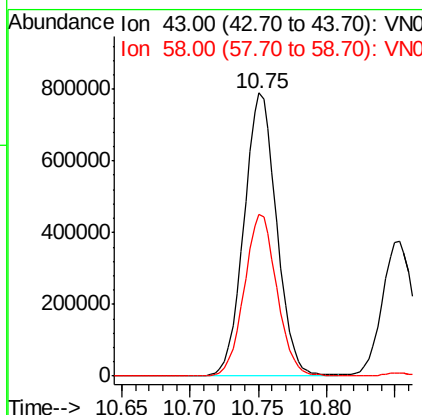
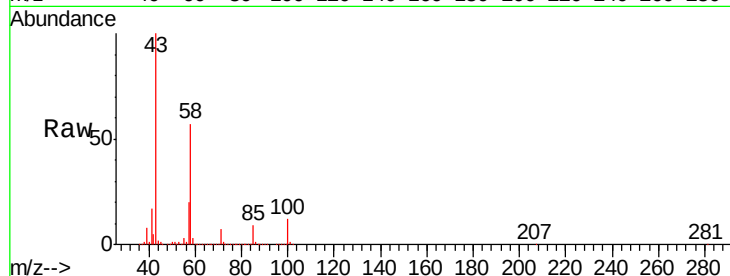




#59
2-Hexanone
Concen: 325.794 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

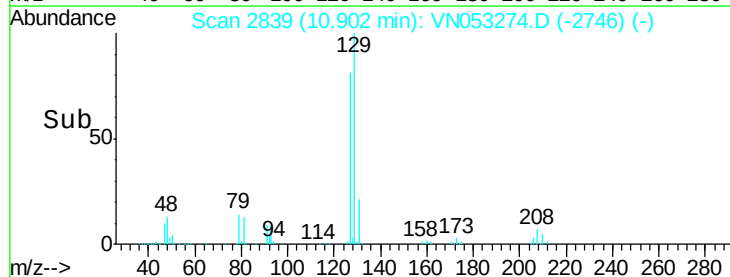
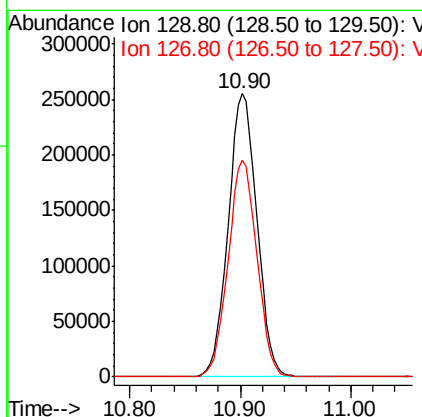
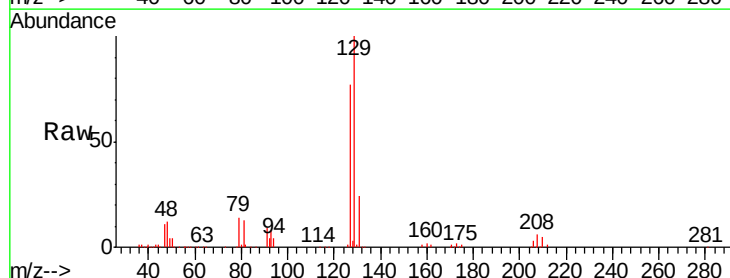
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

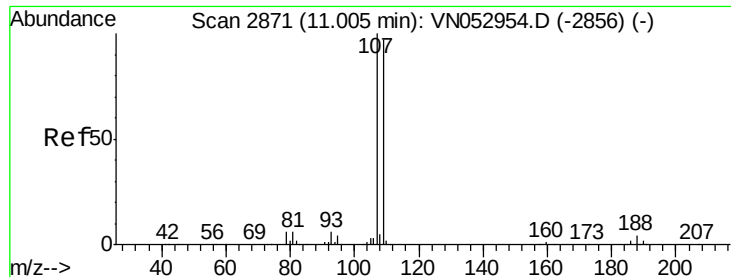
Tgt Ion: 43 Resp: 1304162
Ion Ratio Lower Upper
43 100
58 57.5 28.1 84.3



#60
Dibromochloromethane
Concen: 57.181 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion: 129 Resp: 460735
Ion Ratio Lower Upper
129 100
127 76.6 38.6 116.0

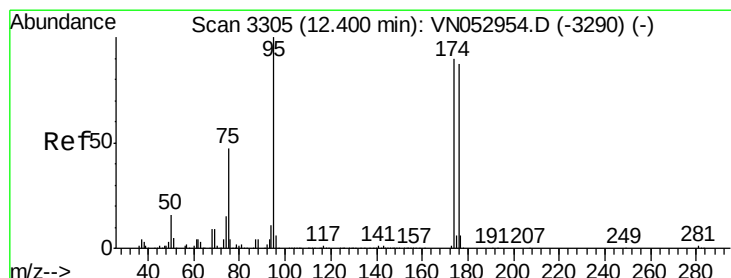
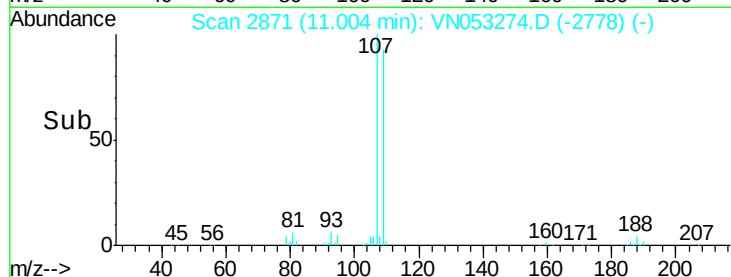
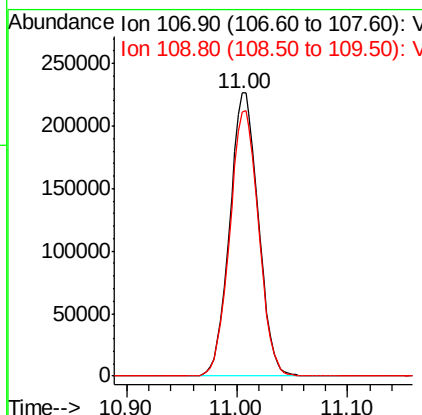
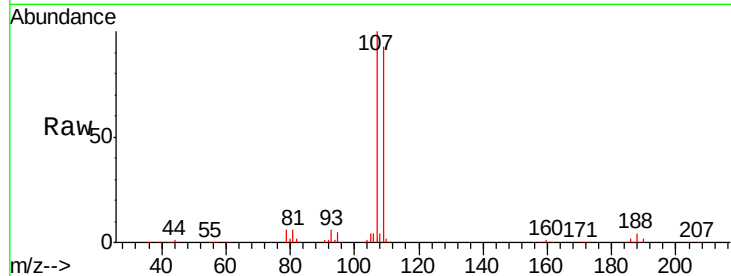




#61
 1,2-Dibromoethane
 Concen: 57.043 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

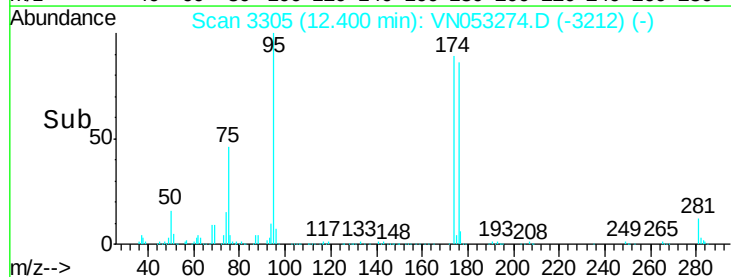
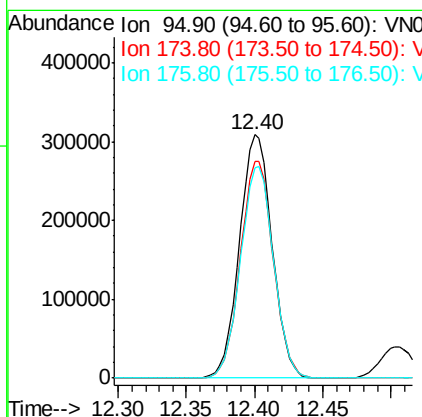
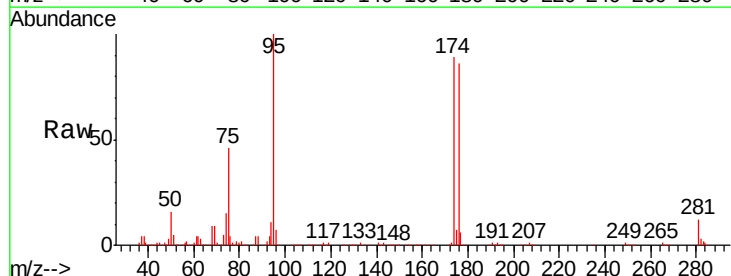
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

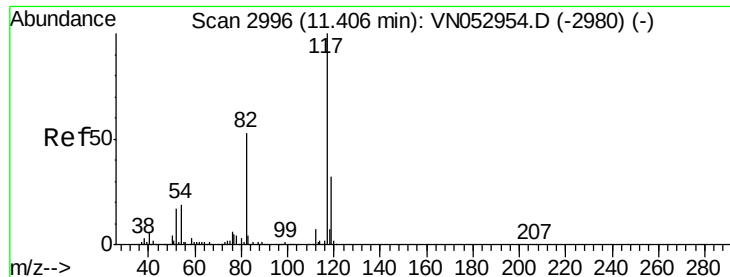
Tgt Ion: 107 Resp: 407800
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 57.043 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion: 95 Resp: 512550
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 178.8
 176 88.0 0.0 173.8

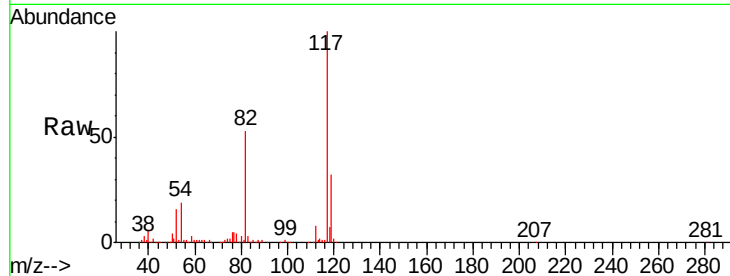




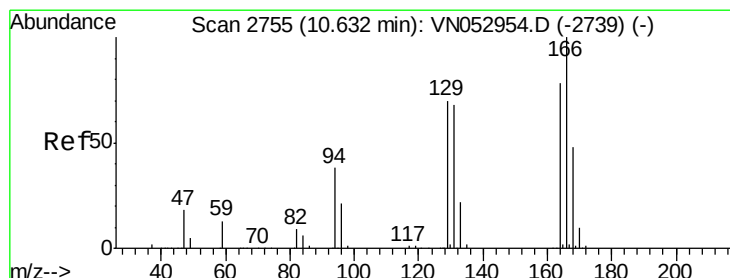
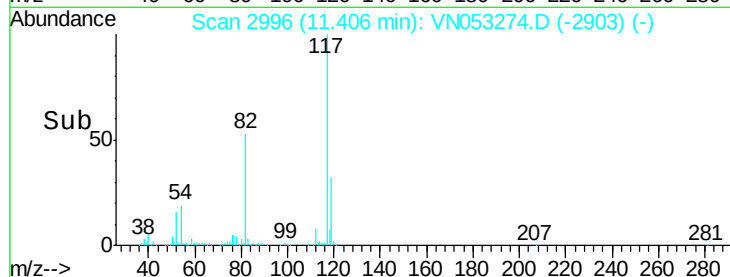
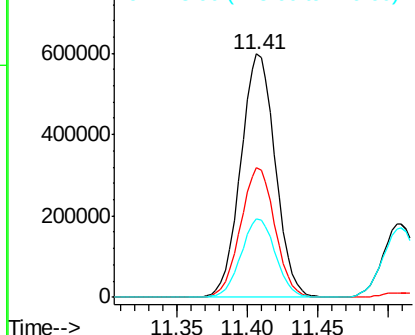
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 1027664
Ion Ratio Lower Upper
117 100
82 53.3 42.8 64.2
119 32.1 25.5 38.3

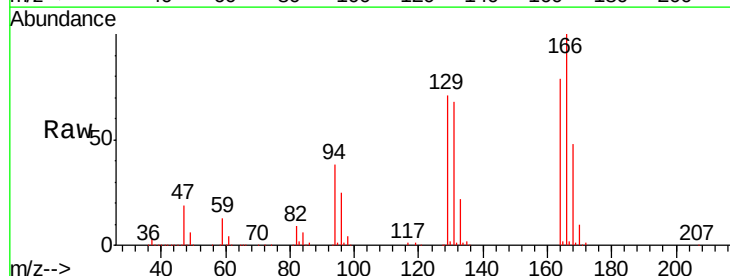


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

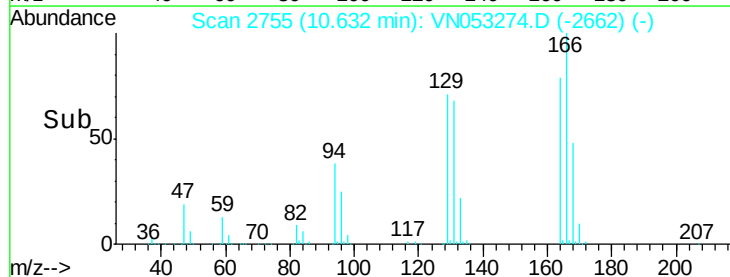
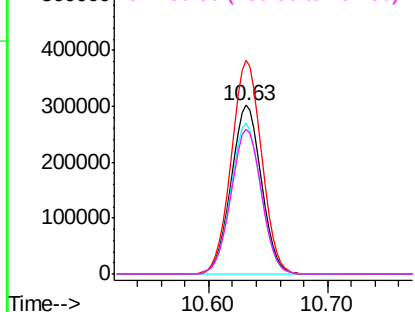


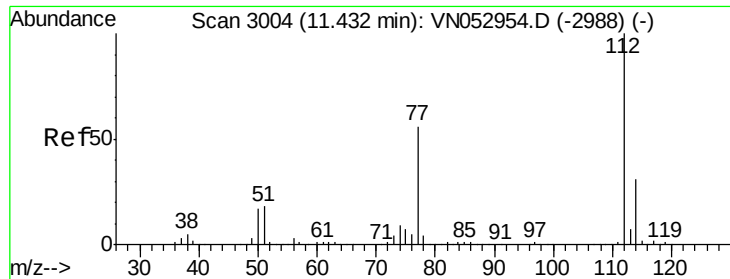
#64
Tetrachloroethene
Concen: 47.693 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion:164 Resp: 530910
Ion Ratio Lower Upper
164 100
166 126.5 102.9 154.3
129 89.2 73.7 110.5
131 85.8 70.7 106.1



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

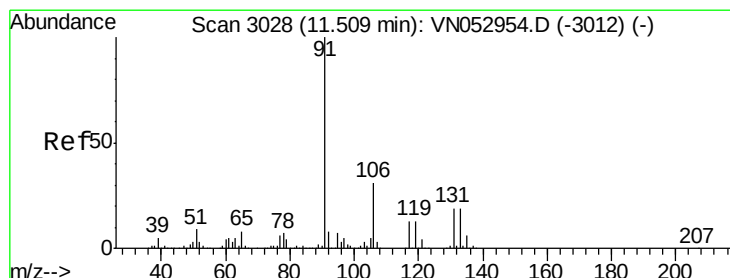
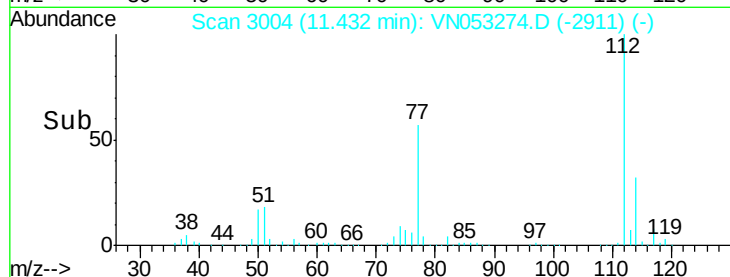
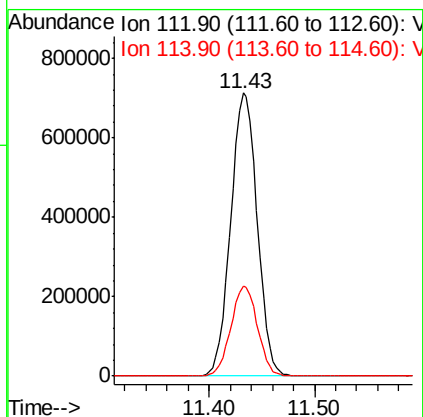
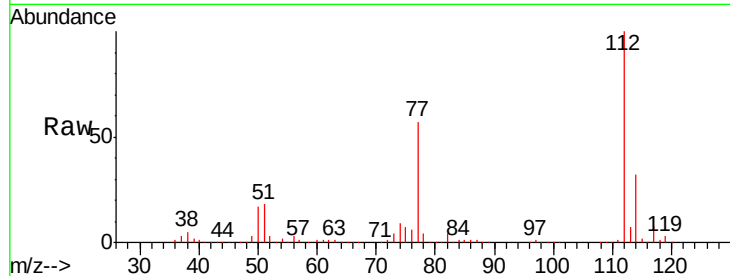




#65
Chlorobenzene
Concen: 54.282 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

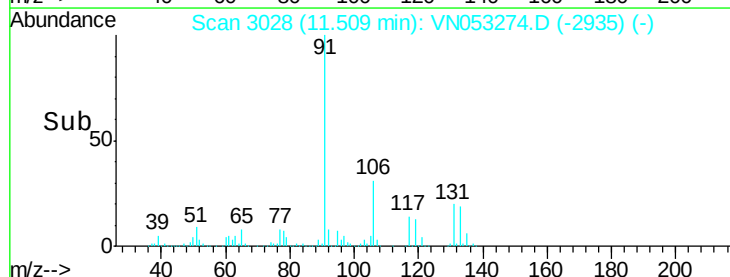
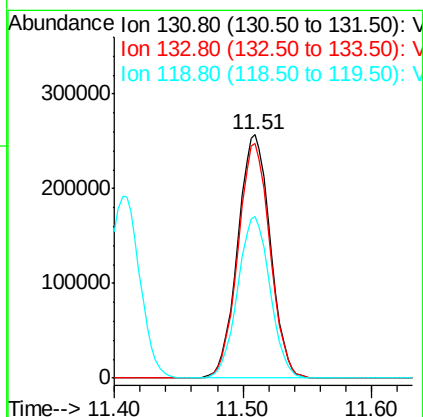
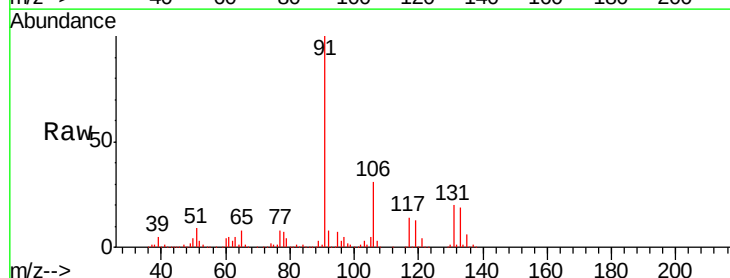
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

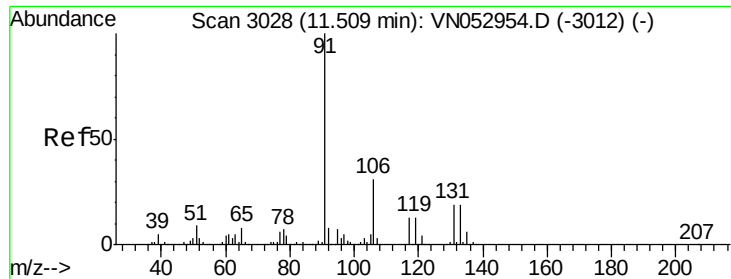
Tgt Ion:112 Resp: 1236562
Ion Ratio Lower Upper
112 100
114 31.7 25.5 38.3



#66
1,1,1,2-Tetrachloroethane
Concen: 56.846 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion:131 Resp: 450326
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 66.1 33.3 99.8

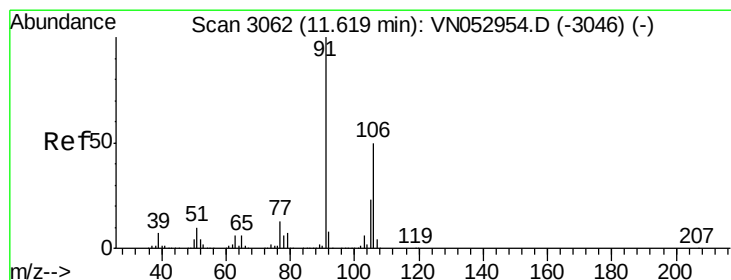
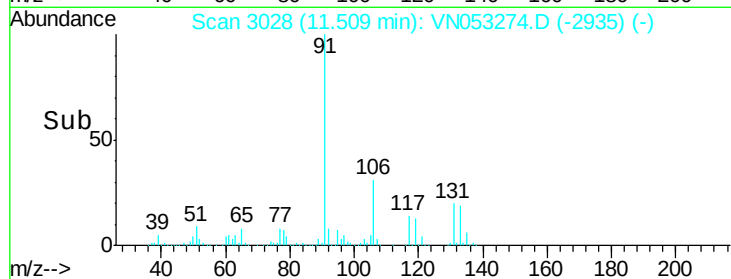
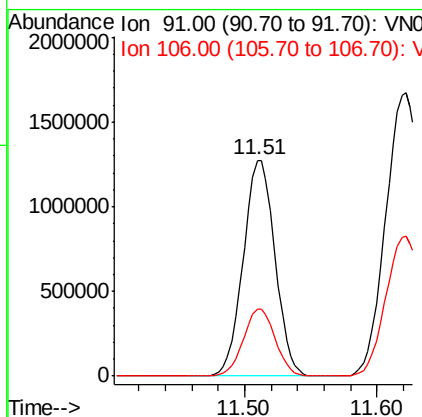
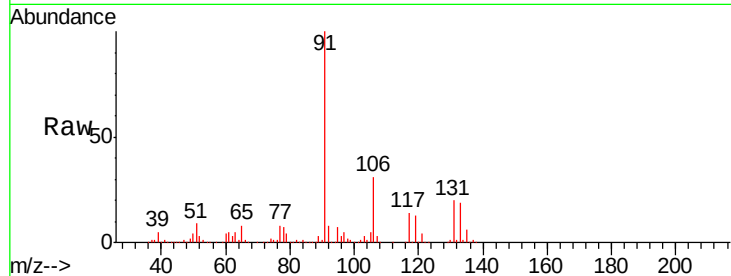




#67
Ethyl Benzene
Concen: 54.151 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

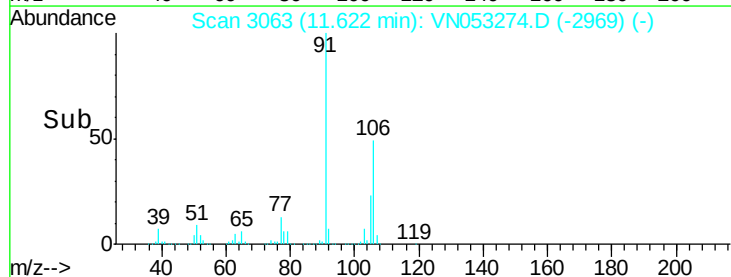
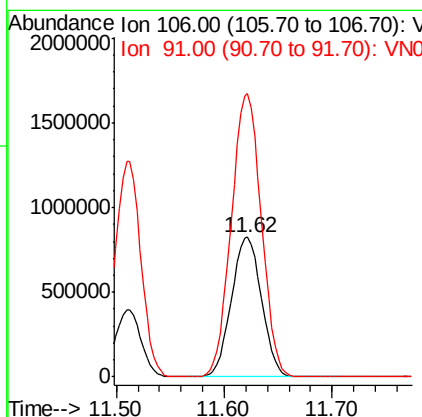
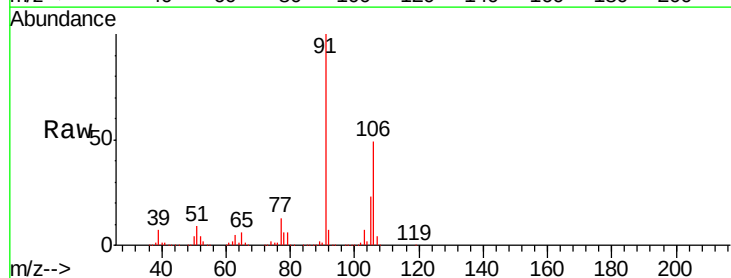
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

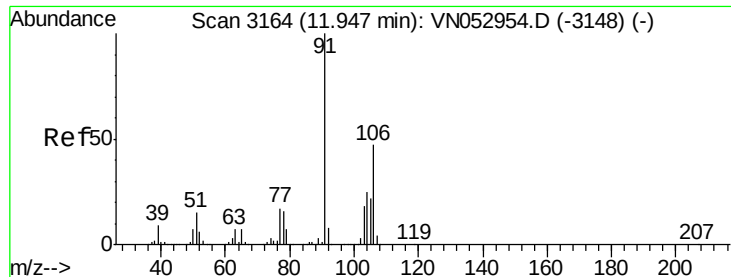
Tgt Ion: 91 Resp: 2121425
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3



#68
m/p-Xylenes
Concen: 107.850 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion: 106 Resp: 1606226
Ion Ratio Lower Upper
106 100
91 201.8 162.2 243.4

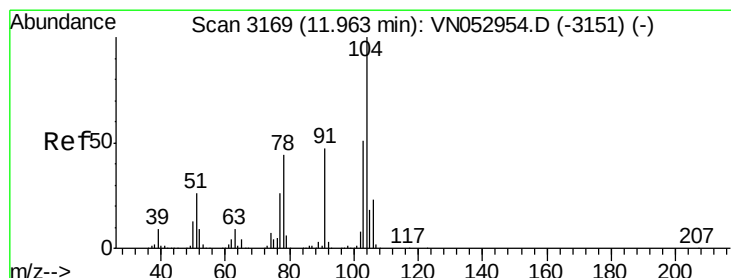
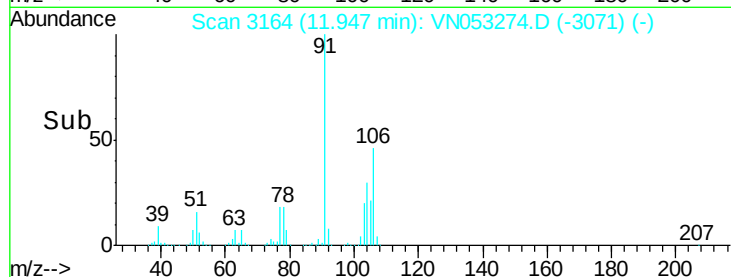
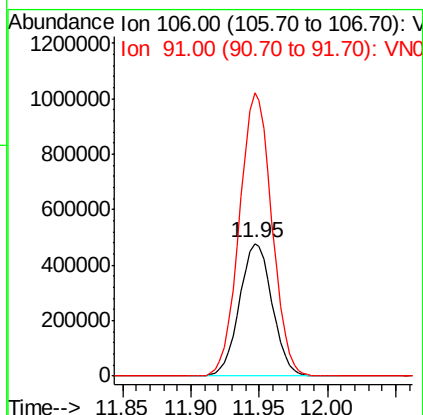
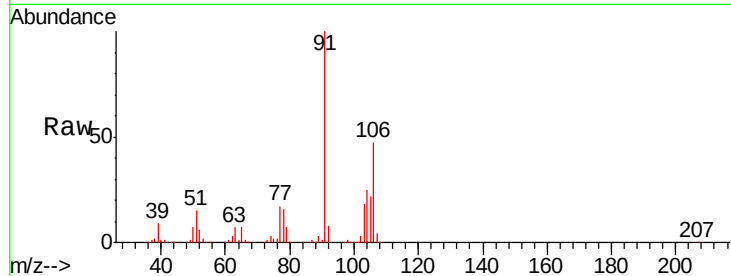




#69
o-Xylene
Concen: 55.518 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

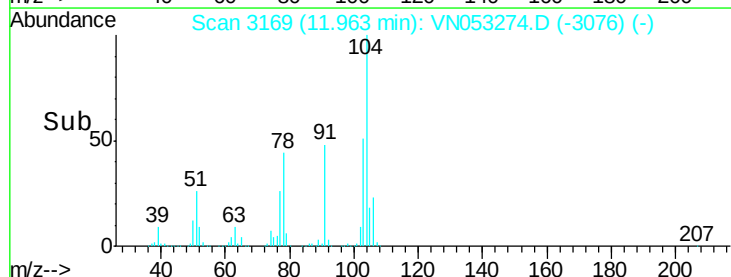
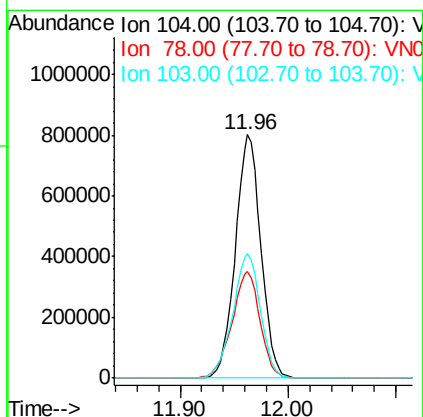
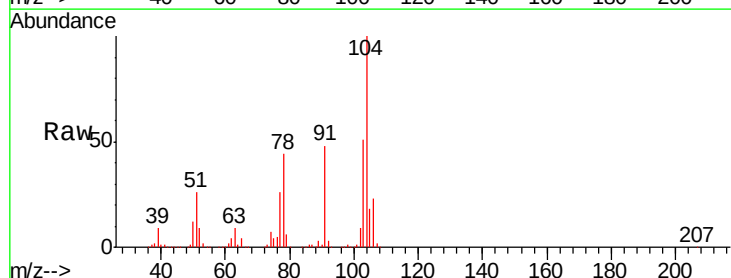
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

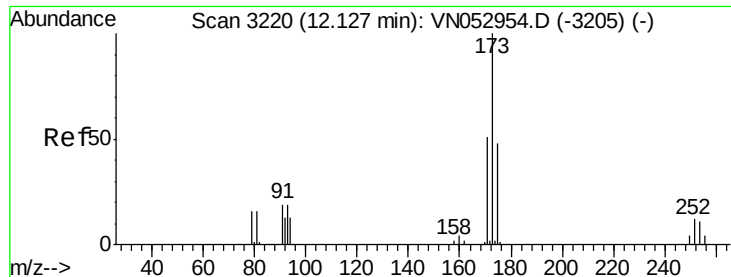
Tgt Ion:106 Resp: 793425
Ion Ratio Lower Upper
106 100
91 212.4 106.6 319.8



#70
Styrene
Concen: 56.683 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion:104 Resp: 1320906
Ion Ratio Lower Upper
104 100
78 48.2 38.9 58.3
103 55.5 44.3 66.5





#71

Bromoform

Concen: 55.679 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

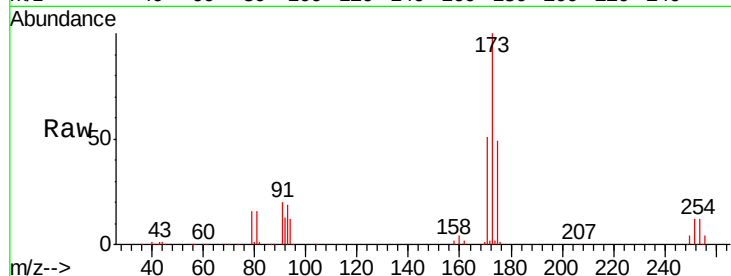
Tgt Ion:173 Resp: 318641

Ion Ratio Lower Upper

173 100

175 49.1 24.3 72.9

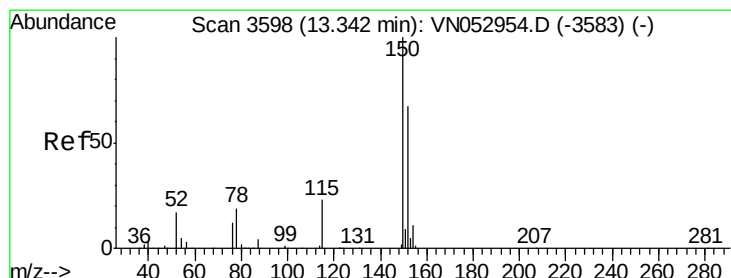
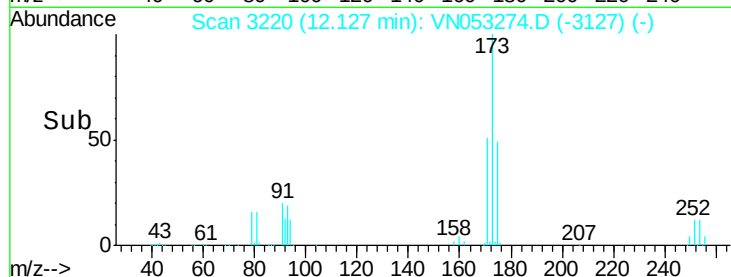
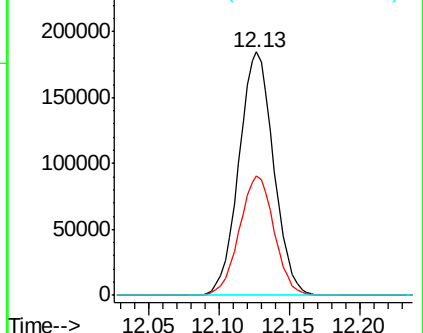
254 0.1 0.1 0.1



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

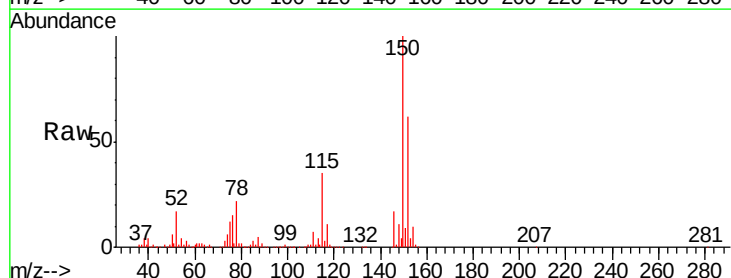
Tgt Ion:152 Resp: 495954

Ion Ratio Lower Upper

152 100

115 56.1 28.3 85.0

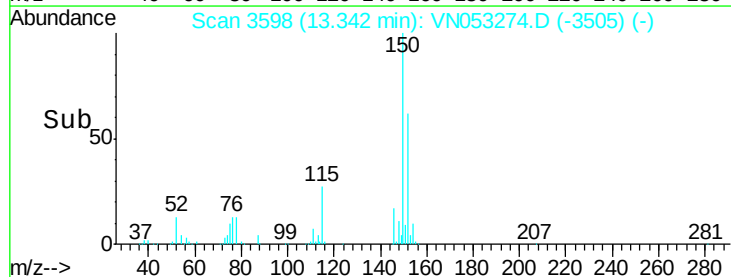
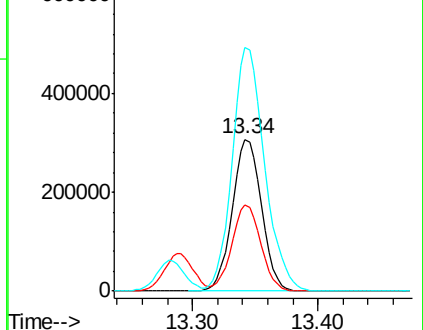
150 177.4 0.0 347.8

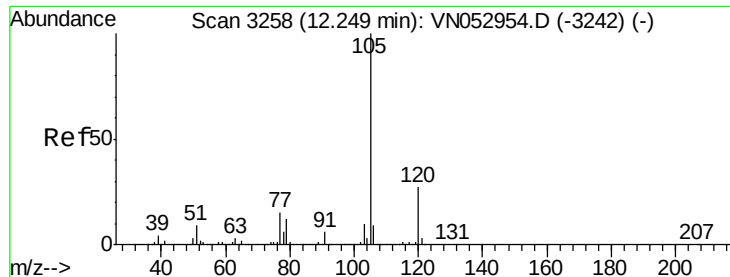


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

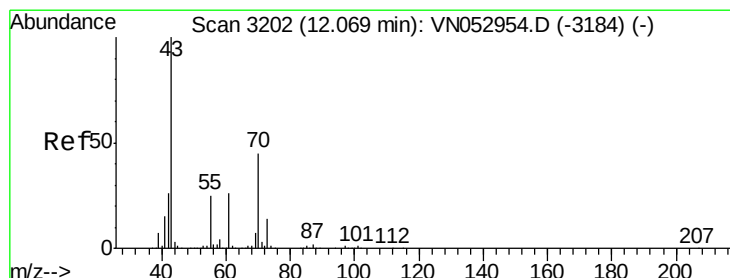
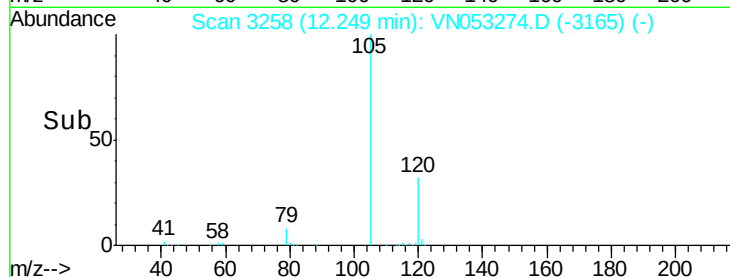
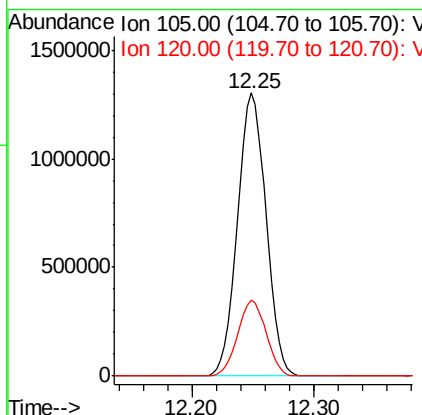
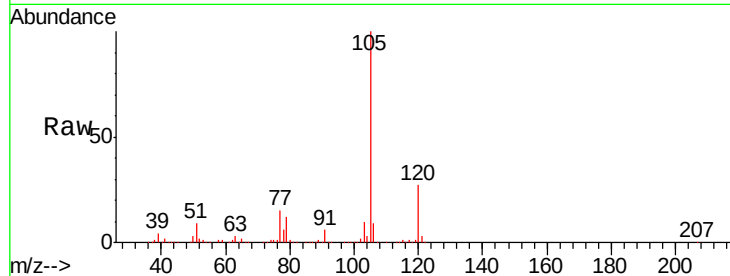




#73
Isopropylbenzene
Concen: 54.081 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

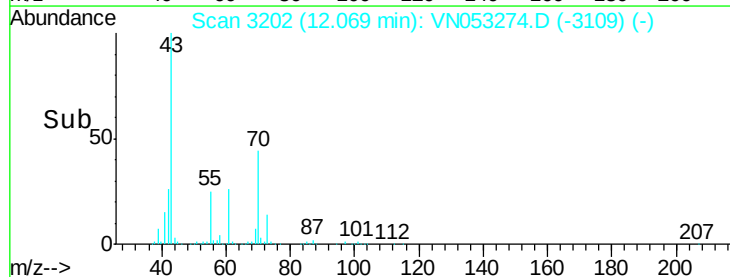
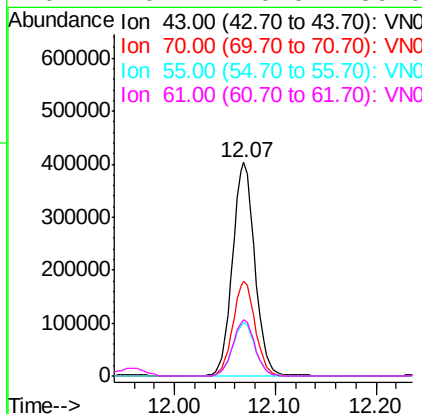
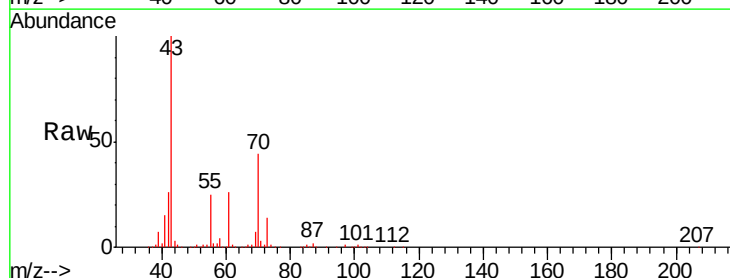
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

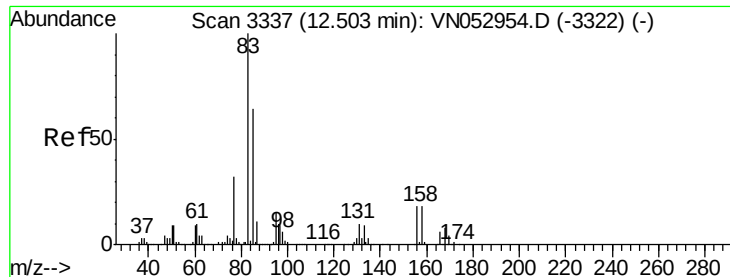
Tgt Ion:105 Resp: 2098560
Ion Ratio Lower Upper
105 100
120 26.7 13.3 39.9



#74
N-ethyl acetate
Concen: 57.530 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion: 43 Resp: 619793
Ion Ratio Lower Upper
43 100
70 44.4 34.2 51.4
55 25.2 20.3 30.5
61 26.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 61.956 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

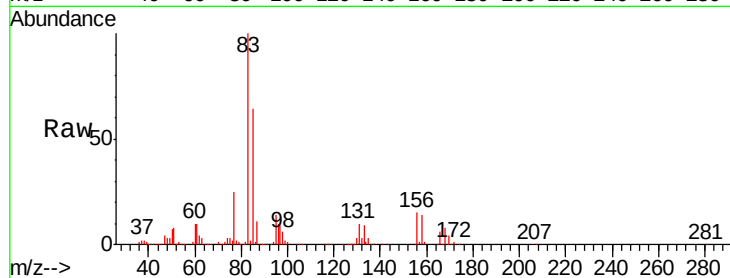
Tgt Ion: 83 Resp: 471653

Ion Ratio Lower Upper

83 100

131 10.3 5.2 15.6

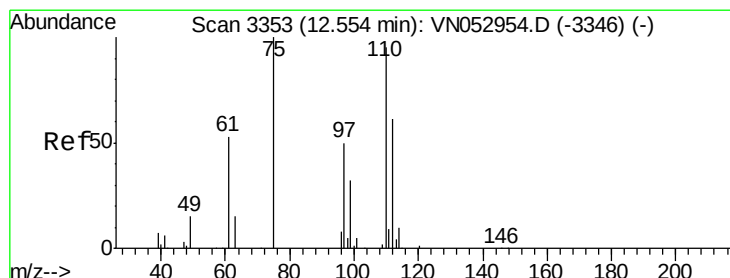
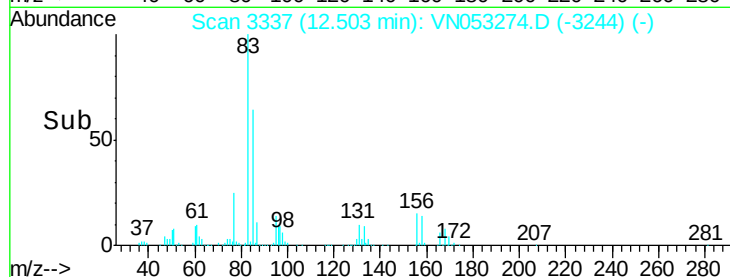
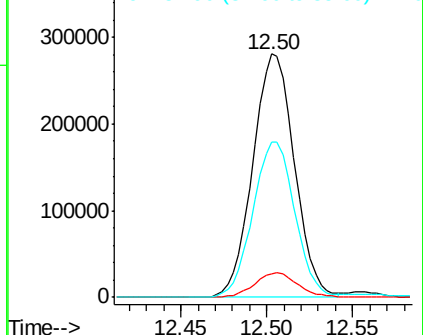
85 64.4 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 75.211 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN053274.D

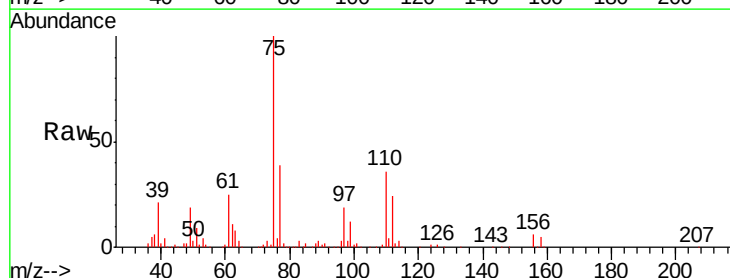
Acq: 3 Jan 2019 20:31

Tgt Ion: 75 Resp: 627924

Ion Ratio Lower Upper

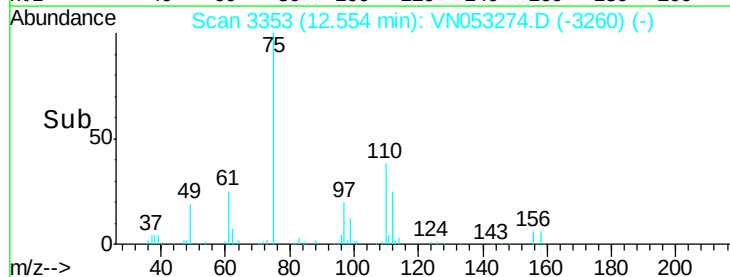
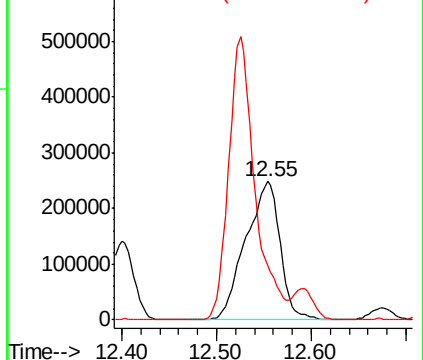
75 100

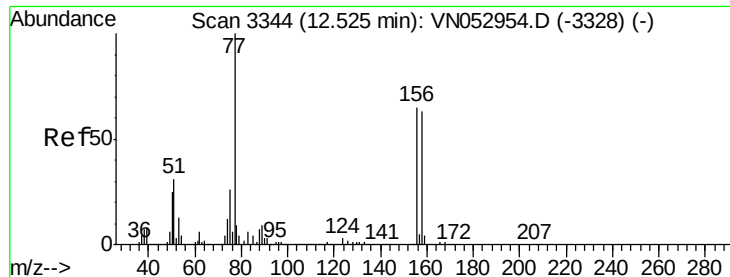
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 54.778 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

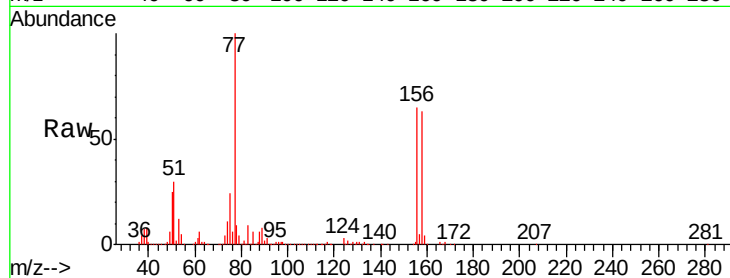
Tgt Ion:156 Resp: 552540

Ion Ratio Lower Upper

156 100

77 179.1 91.3 273.8

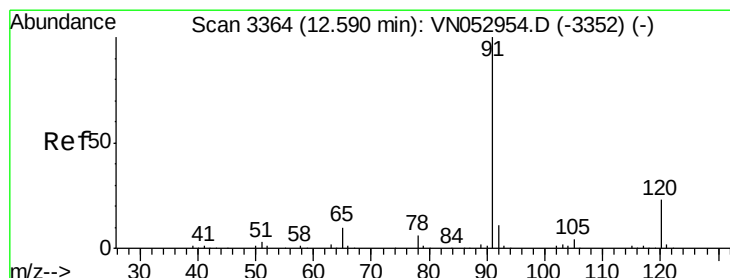
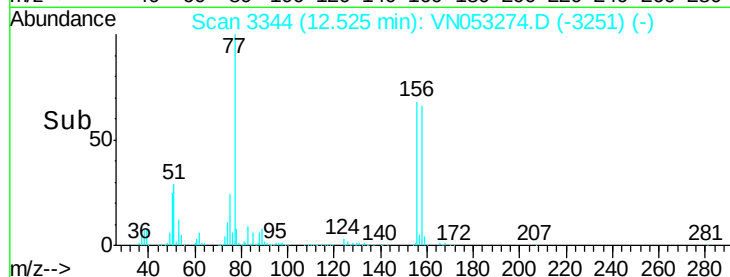
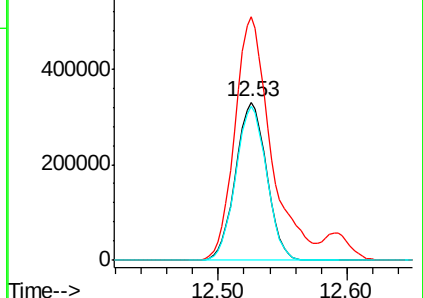
158 97.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.361 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053274.D

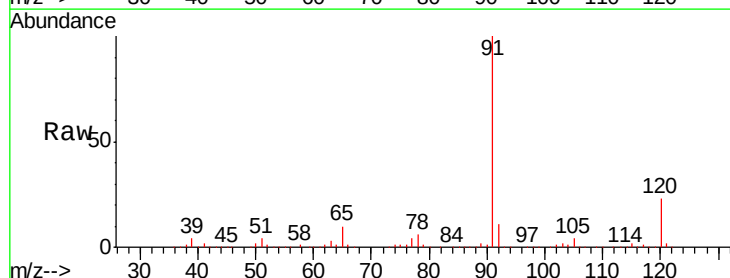
Acq: 3 Jan 2019 20:31

Tgt Ion: 91 Resp: 2358254

Ion Ratio Lower Upper

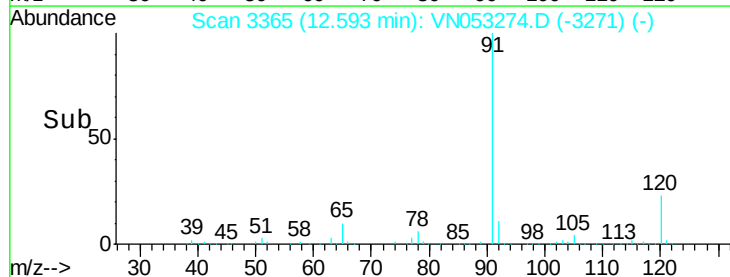
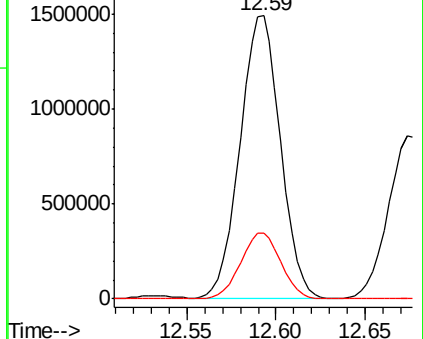
91 100

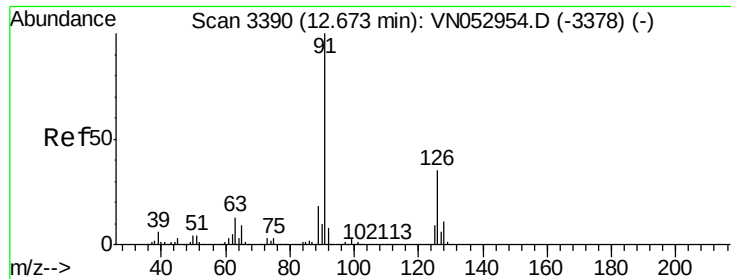
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.810 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

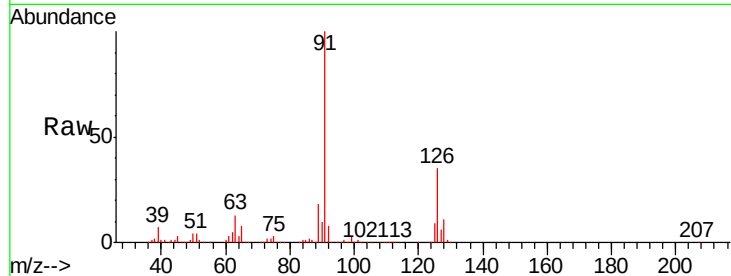
VSTDCCC050EC

Tgt Ion: 91 Resp: 1419274

Ion Ratio Lower Upper

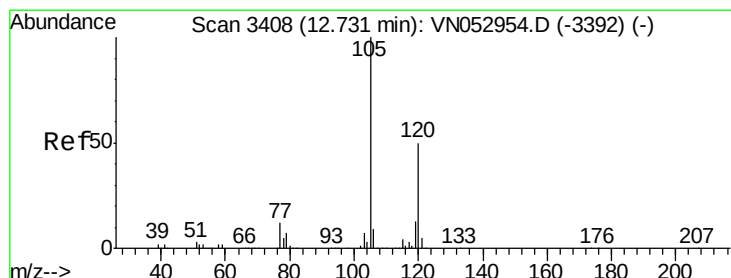
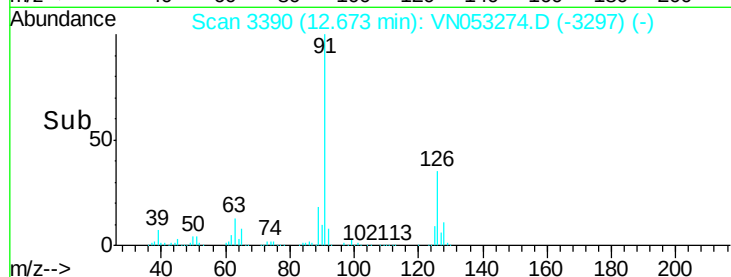
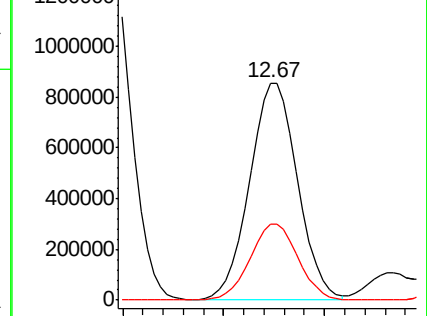
91 100

126 35.3 17.4 52.3



Abundance Ion 91.00 (90.70 to 91.70): VN053274.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN053274.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.112 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053274.D

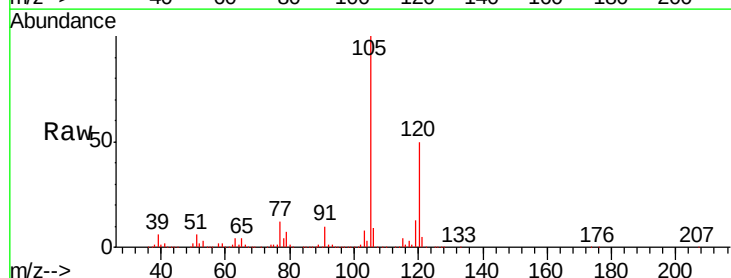
Acq: 3 Jan 2019 20:31

Tgt Ion: 105 Resp: 1679859

Ion Ratio Lower Upper

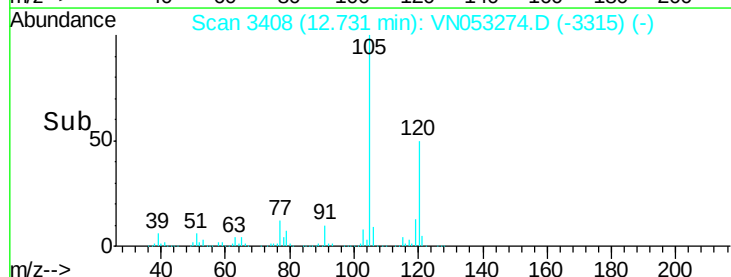
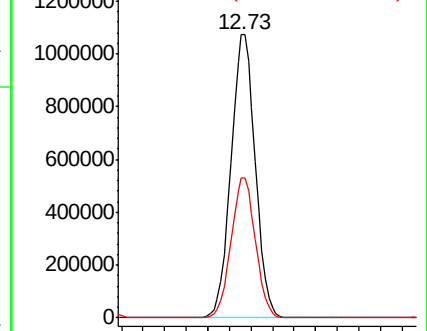
105 100

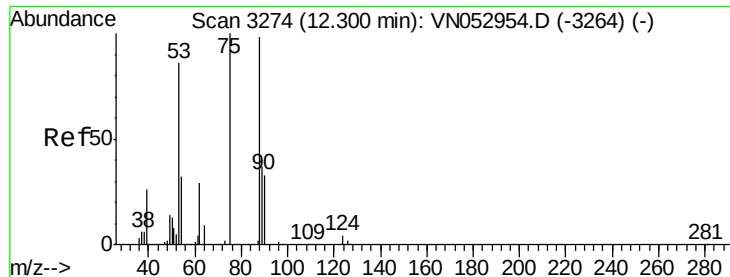
120 49.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN053274.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN053274.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 54.698 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

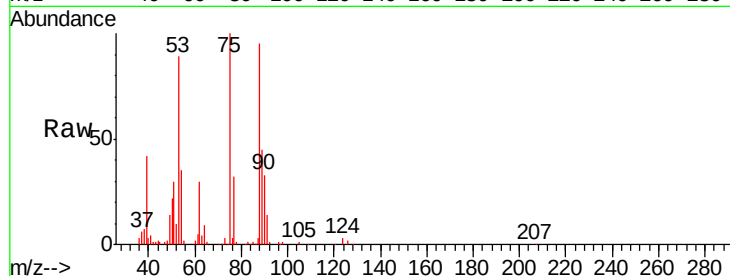
Tgt Ion: 75 Resp: 141686

Ion Ratio Lower Upper

75 100

53 90.5 74.7 112.1

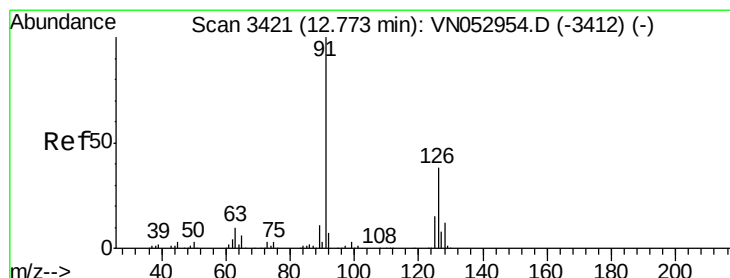
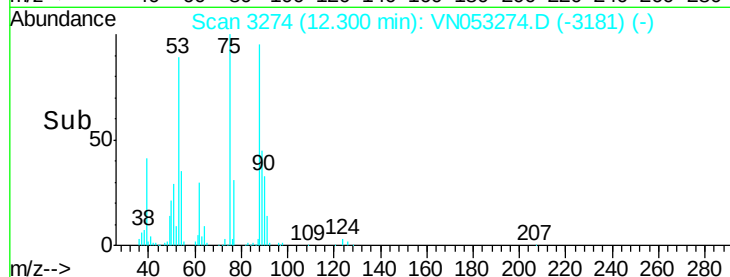
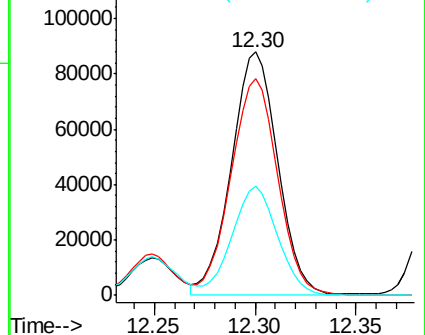
89 44.2 36.1 54.1



Abundance Ion 74.90 (74.60 to 75.60): VN053274.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053274.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053274.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 53.929 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN053274.D

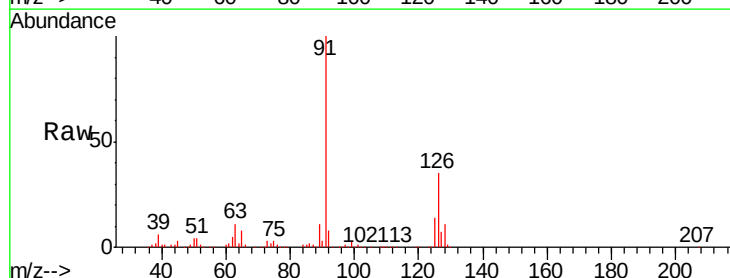
Acq: 3 Jan 2019 20:31

Tgt Ion: 91 Resp: 1446163

Ion Ratio Lower Upper

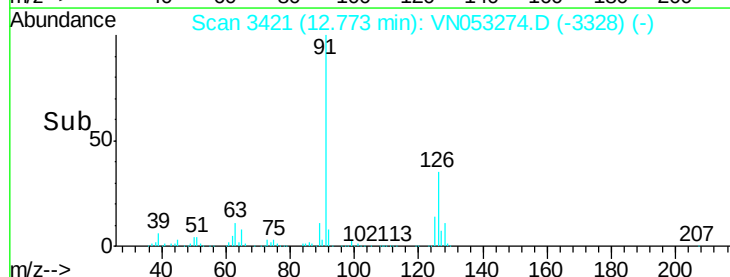
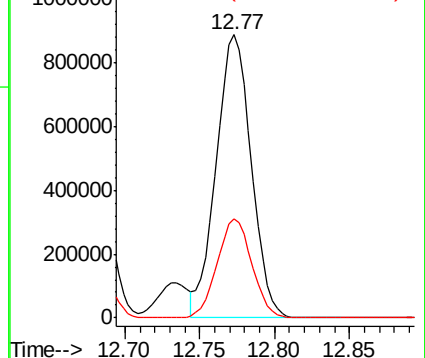
91 100

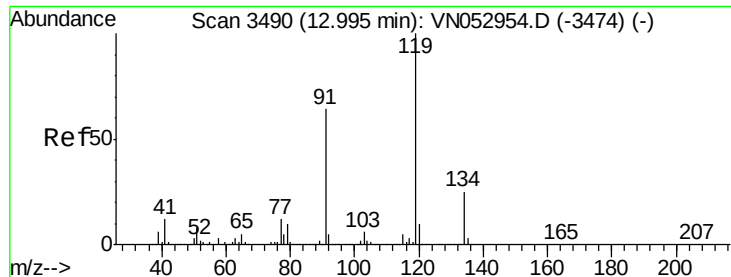
126 34.6 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN053274.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN053274.D (-3328) (-)

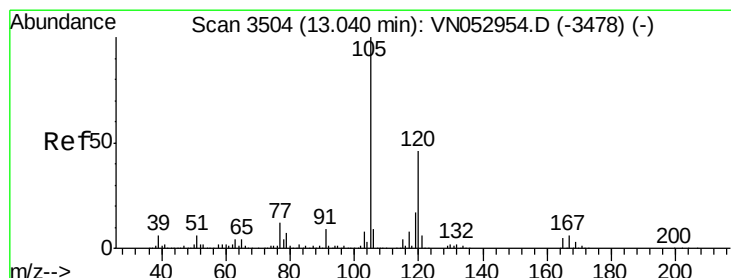
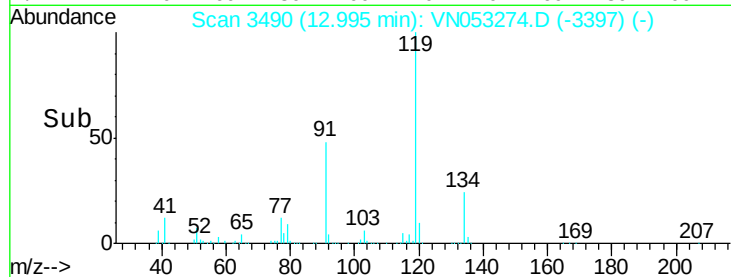
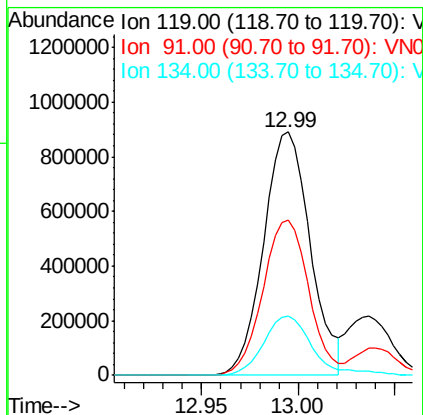
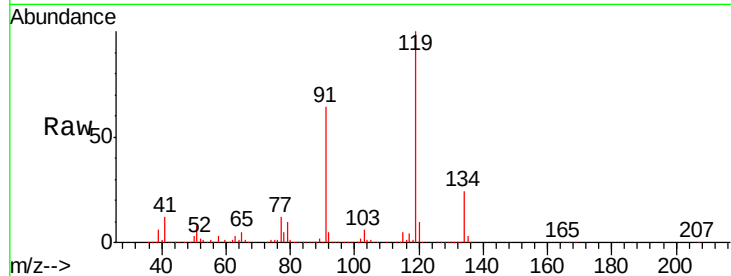




#83
 tert-Butylbenzene
 Concen: 53.371 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

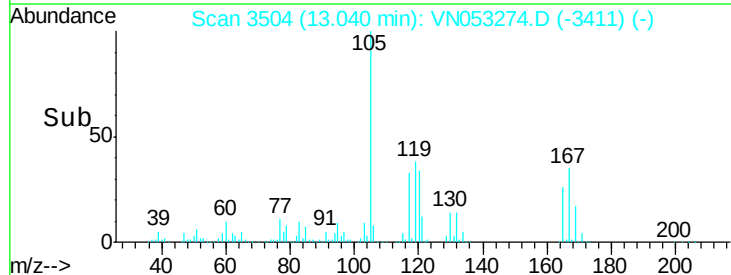
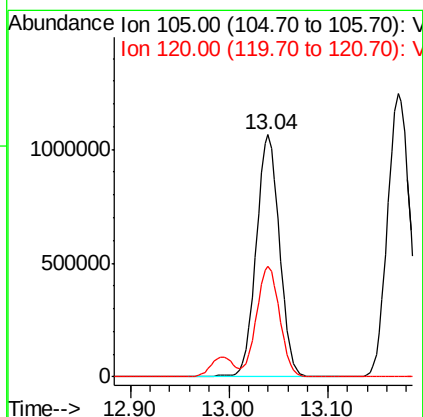
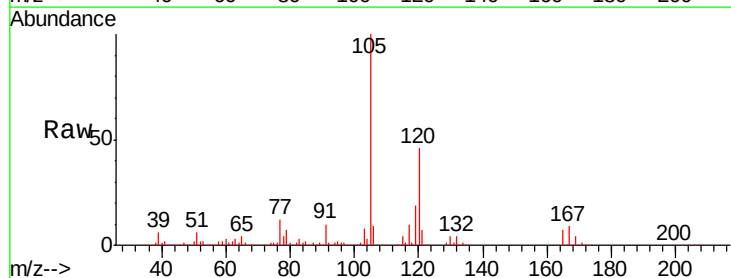
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

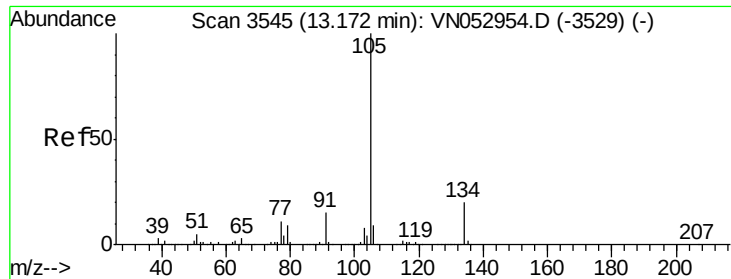
Tgt Ion:119 Resp: 1492926
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.9 95.5
 134 25.6 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 54.041 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion:105 Resp: 1718273
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.8





#85

sec-Butylbenzene

Concen: 52.033 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

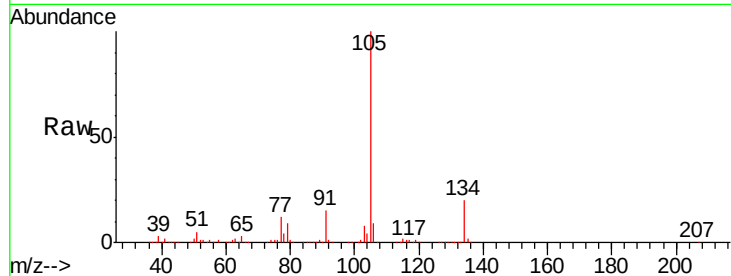
VSTDCCC050EC

Tgt Ion:105 Resp: 1968712

Ion Ratio Lower Upper

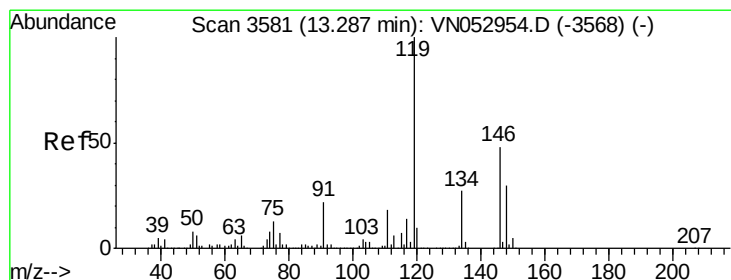
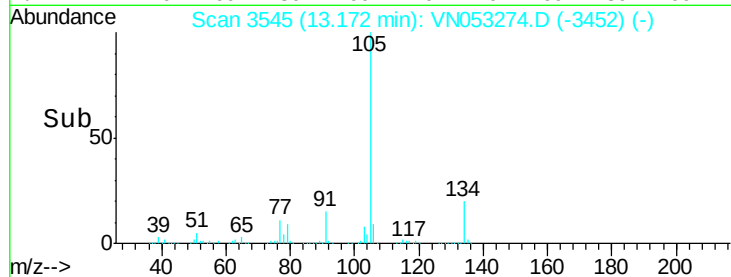
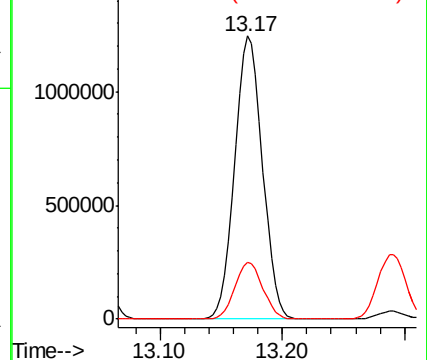
105 100

134 20.3 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.350 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

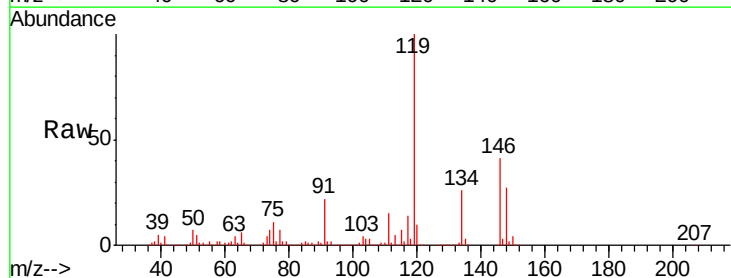
Tgt Ion:119 Resp: 1711505

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.2

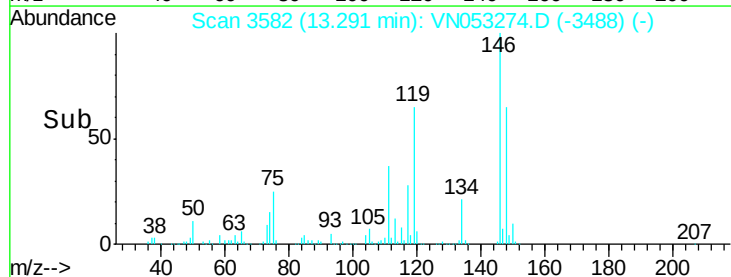
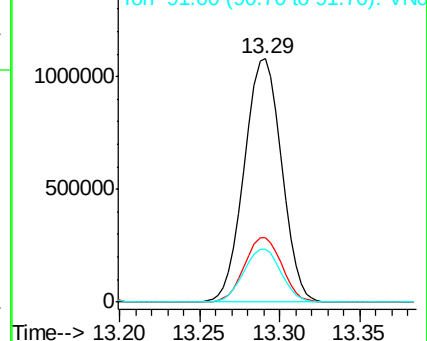
91 21.8 11.1 33.3

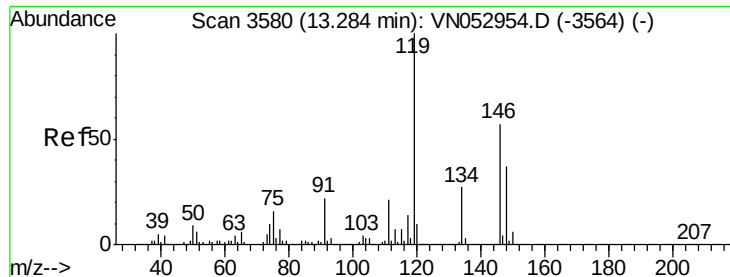


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

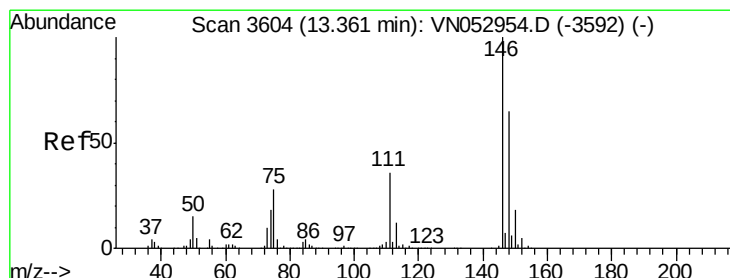
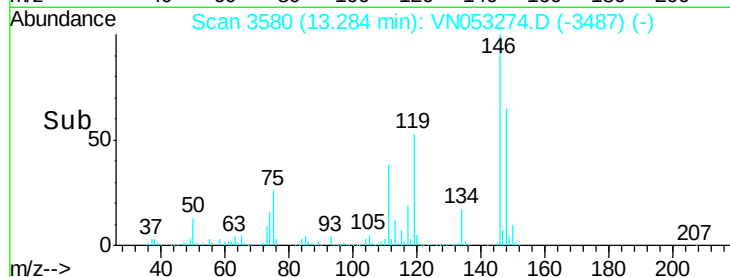
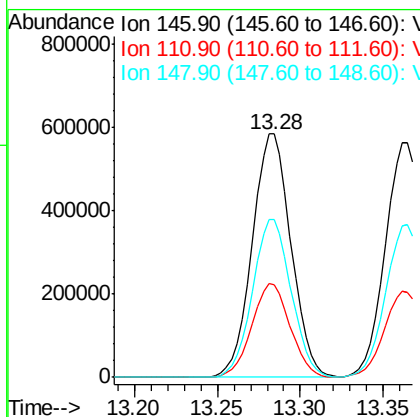
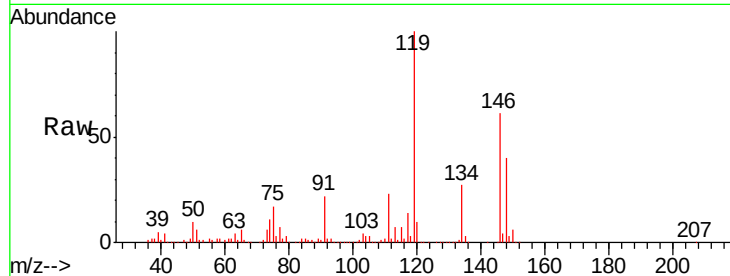




#87
 1,3-Dichlorobenzene
 Concen: 53.048 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

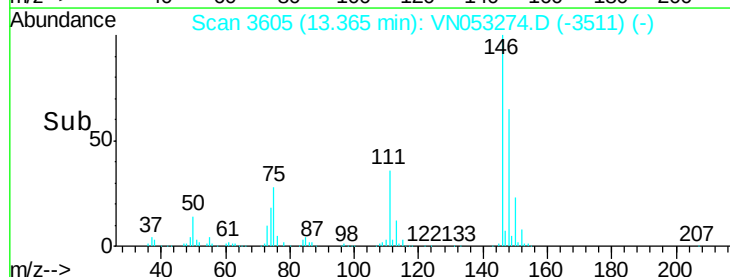
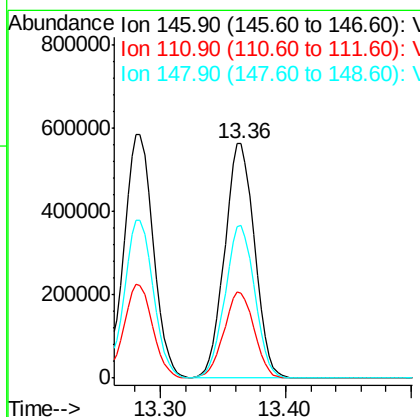
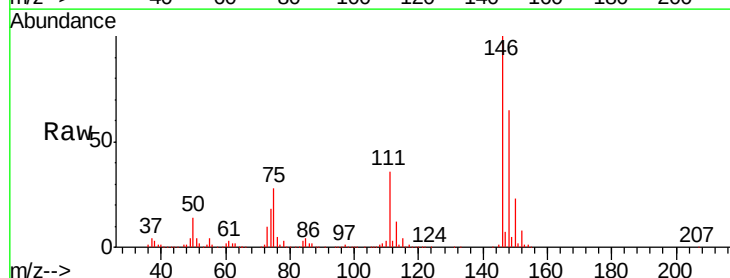
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

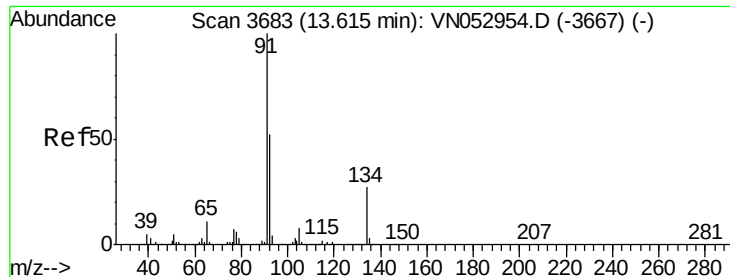
Tgt Ion:146 Resp: 947040
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 64.6 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 51.407 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion:146 Resp: 929383
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.6 55.8
 148 64.5 32.1 96.5

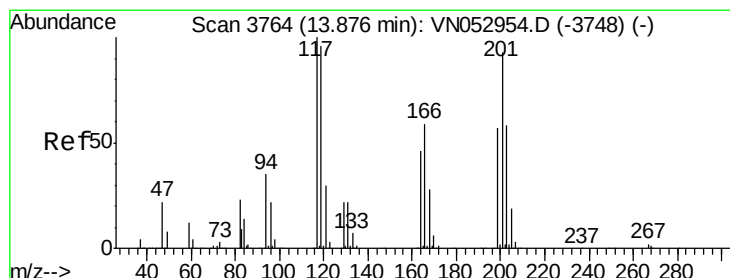
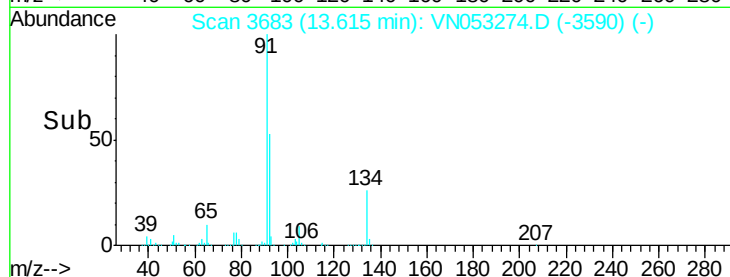
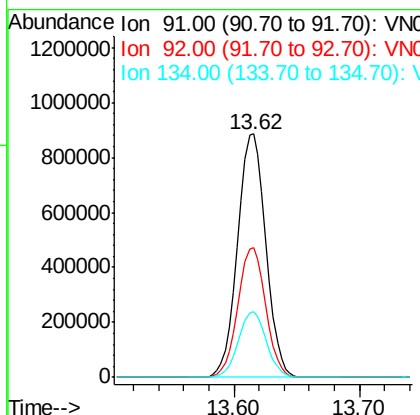
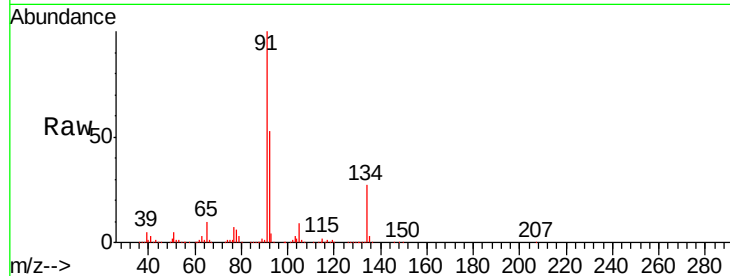




#89
n-Butylbenzene
Concen: 49.319 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

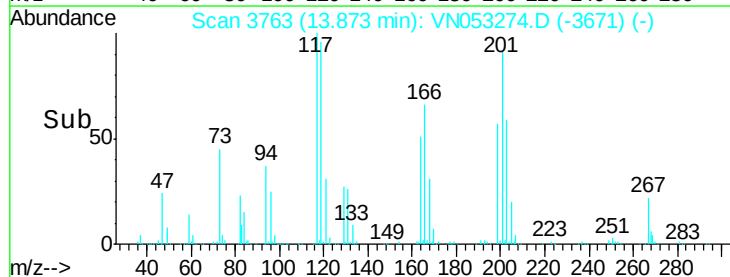
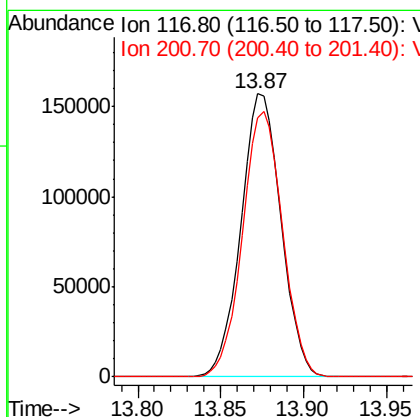
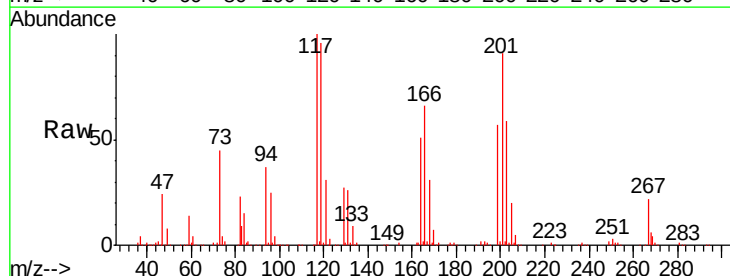
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

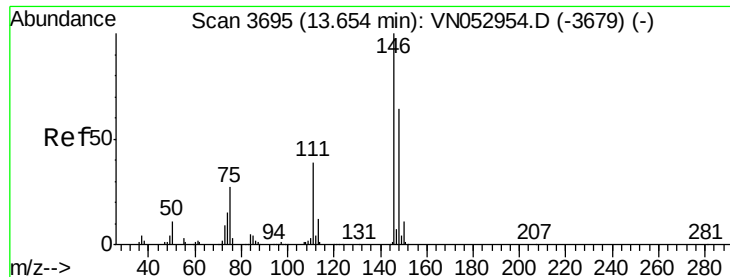
Tgt Ion: 91 Resp: 1387177
Ion Ratio Lower Upper
91 100
92 52.6 26.3 78.9
134 26.7 13.3 39.8



#90
Hexachloroethane
Concen: 52.607 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053274.D
Acq: 3 Jan 2019 20:31

Tgt Ion: 117 Resp: 263933
Ion Ratio Lower Upper
117 100
201 93.5 45.7 137.1

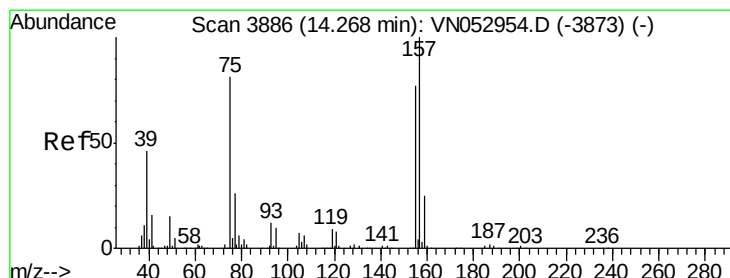
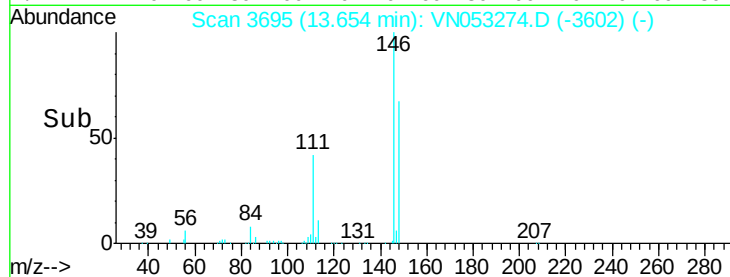
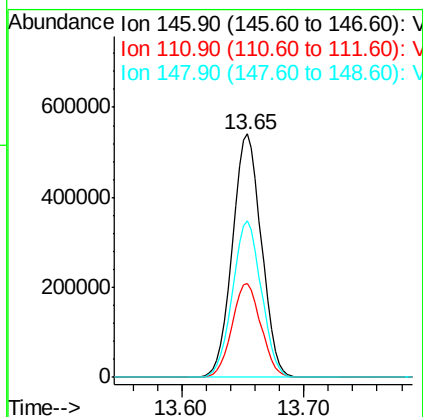
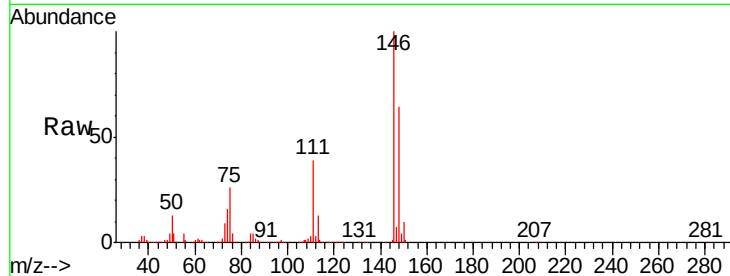




#91
 1,2-Dichlorobenzene
 Concen: 52.998 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

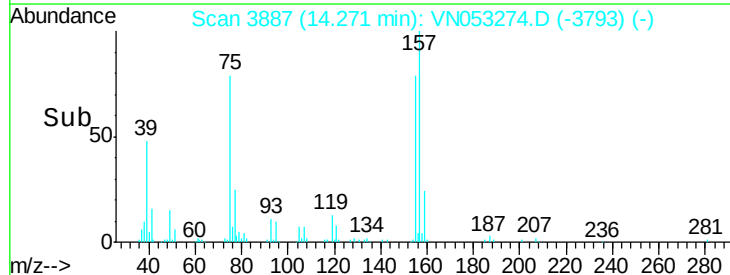
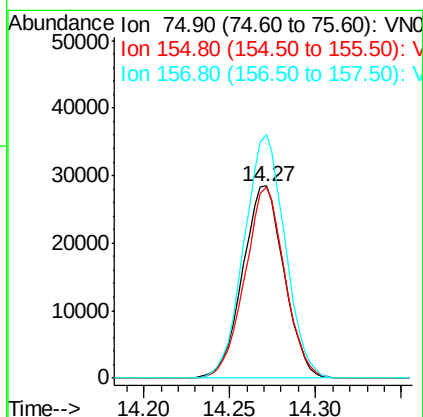
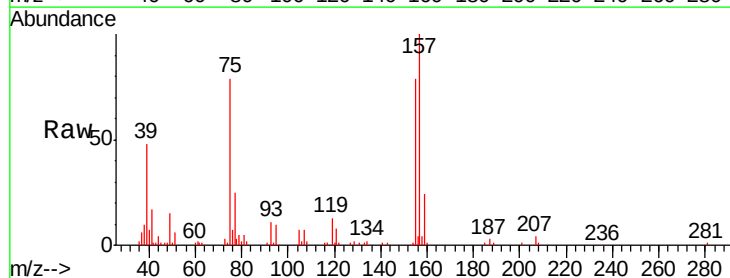
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

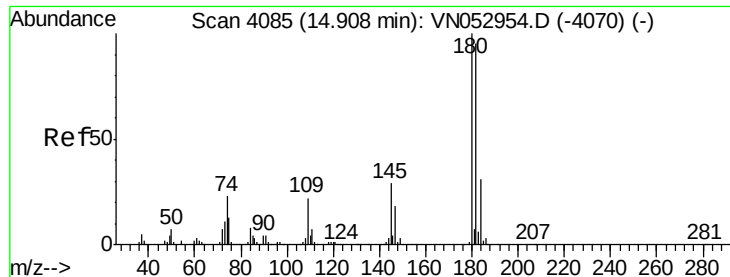
Tgt Ion:146 Resp: 890467
 Ion Ratio Lower Upper
 146 100
 111 38.8 19.7 59.0
 148 64.2 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 36.132 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion: 75 Resp: 47560
 Ion Ratio Lower Upper
 75 100
 155 95.9 48.2 144.6
 157 125.0 61.2 183.5

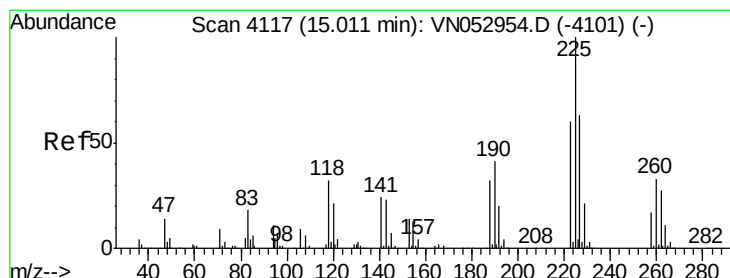
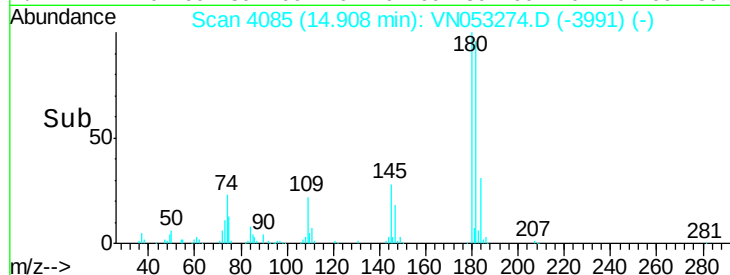
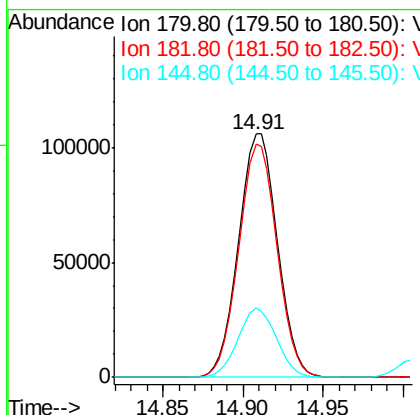
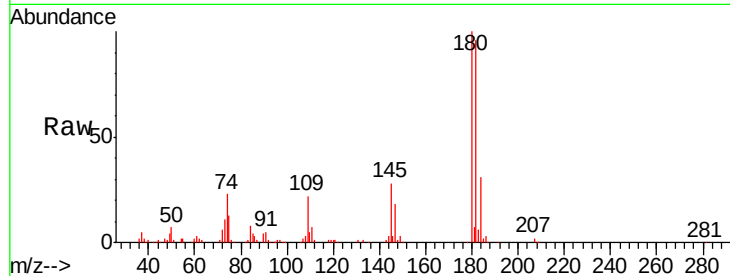




#93
 1,2,4-Trichlorobenzene
 Concen: 20.062 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

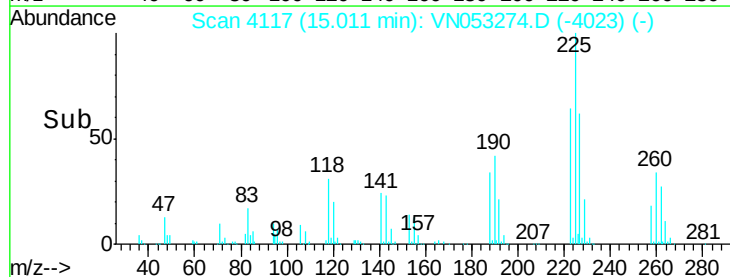
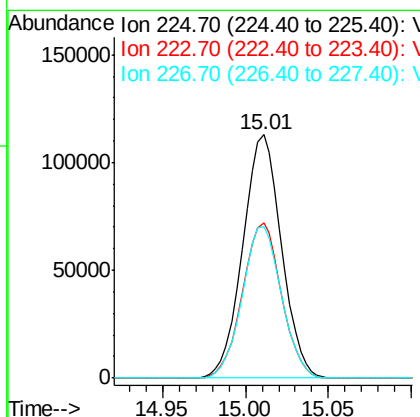
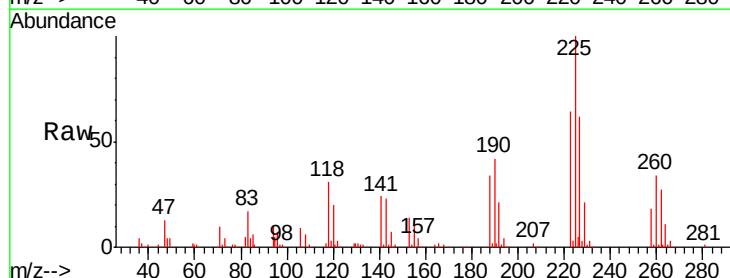
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

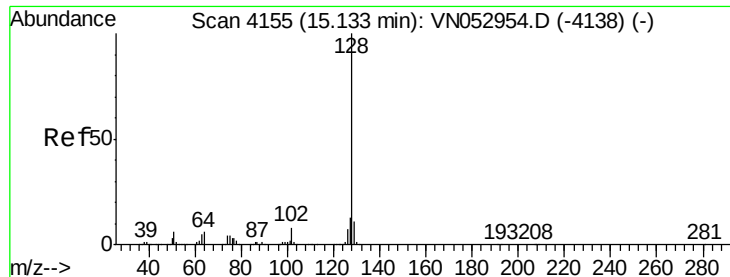
Tgt Ion:180 Resp: 175369
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.8 143.3
 145 28.2 14.2 42.6



#94
 Hexachlorobutadiene
 Concen: 39.004 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053274.D
 Acq: 3 Jan 2019 20:31

Tgt Ion:225 Resp: 182684
 Ion Ratio Lower Upper
 225 100
 223 64.3 31.5 94.5
 227 63.3 31.9 95.7





#95

Naphthalene

Concen: 15.730 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

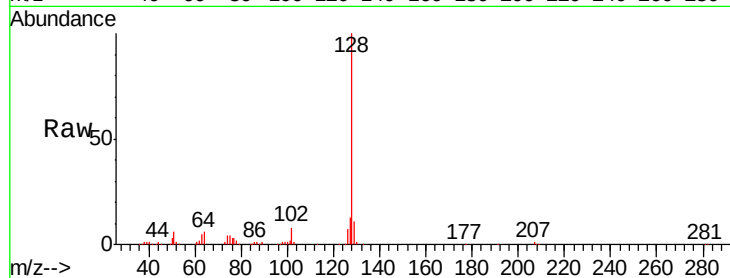
Tgt Ion:128 Resp: 291039

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

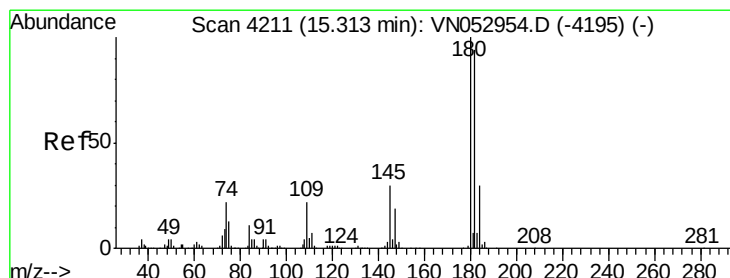
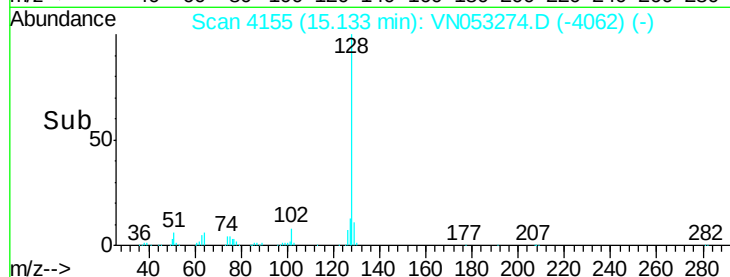
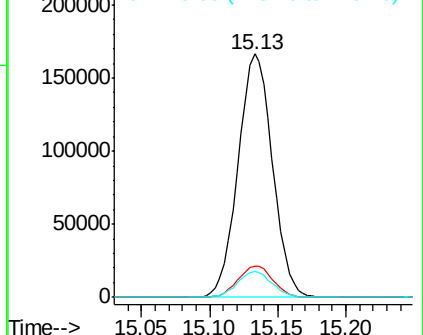
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 12.902 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053274.D

Acq: 3 Jan 2019 20:31

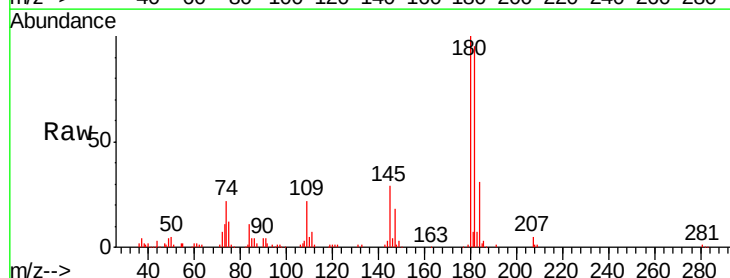
Tgt Ion:180 Resp: 100375

Ion Ratio Lower Upper

180 100

182 95.2 47.9 143.7

145 30.8 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

