

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092019\
 Data File : VN058234.D
 Acq On : 20 Sep 2019 8:47
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Quant Time: Sep 21 05:36:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	75523	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	439939	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	397348	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	201705	30.19	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.63%
60) 4-Bromofluorobenzene	12.40	95	204734	30.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.37%
63) Toluene-d8	10.08	98	563920	29.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.57%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	89033	19.512	ug/l 99
3) Chloromethane	2.04	50	96396	16.942	ug/l 99
4) Vinyl Chloride	2.17	62	98436	16.910	ug/l 99
5) Bromomethane	2.55	94	48027	13.220	ug/l 95
6) Chloroethane	2.69	64	61333	16.953	ug/l 99
7) Trichlorofluoromethane	3.00	101	122662	18.239	ug/l 96
8) Diethyl Ether	3.39	74	54628	20.135	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	87891	20.929	ug/l 99
10) 1,1-Dichloroethene	3.71	96	78793	19.731	ug/l 89
11) Methyl Iodide	3.93	142	76827	14.379	ug/l 99
12) Methyl Acetate	4.30	43	105447	19.241	ug/l 93
13) Acrolein	3.58	56	32351	108.799	ug/l 97
14) Acrylonitrile	4.95	53	214918	96.199	ug/l # 91
15) Acetone	3.79	58	71133	112.151	ug/l 98
16) Carbon Disulfide	4.03	76	163422	17.574	ug/l 100
17) Allyl chloride	4.30	41	144562	19.755	ug/l 91
18) Methylene Chloride	4.53	84	98656	19.605	ug/l 95
19) trans-1,2-Dichloroethene	5.01	96	85703	19.256	ug/l 98
20) Diisopropyl ether	5.92	45	327854	19.165	ug/l 99
21) 1,1-Dichloroethane	5.82	63	186752	19.798	ug/l 100
22) cis-1,2-Dichloroethene	6.81	96	109254	20.034	ug/l 98
23) tert-Butyl Alcohol	4.75	59	64142	87.945	ug/l # 100
24) Methyl tert-Butyl Ether	5.01	73	294967	19.271	ug/l # 100
25) Chloroform	7.35	83	191794	19.971	ug/l 100
26) Cyclohexane	7.63	56	150819	19.029	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	135973	19.647	ug/l 99
30) 2-Butanone	6.81	43	327460	104.936	ug/l # 94
31) 2,2-Dichloropropane	6.80	77	146456	20.043	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	156670	20.134	ug/l 100
33) Carbon Tetrachloride	7.75	117	123055	19.385	ug/l 97
34) Benzene	8.02	78	410602	20.023	ug/l 98
35) Methacrylonitrile	7.15	41	47713	16.485	ug/l 98
36) 1,2-Dichloroethane	8.11	62	158630	19.934	ug/l 100
37) Trichloroethene	8.82	130	99529	19.983	ug/l 99
38) Methylcyclohexane	9.07	83	156901	19.910	ug/l 99
39) 1,2-Dichloropropane	9.11	63	115530	20.061	ug/l 98
40) Dibromomethane	9.20	93	69261	19.773	ug/l 95

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	135577	19.199	ug/l	97
42) Vinyl Acetate	5.87	43	1304572	104.017	ug/l	100
43) Ethyl Acetate	6.90	43	122729	19.277	ug/l #	84
44) Isopropyl Acetate	8.15	43	218824	19.713	ug/l #	92
45) 1,4-Dioxane	9.19	88	30567	350.424	ug/l	97
46) Methyl methacrylate	9.19	41	101083	18.641	ug/l	98
47) n-amyl Acetate	12.07	43	184232	18.067	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	141886	18.873	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	162406	19.254	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	101737	20.024	ug/l	98
51) Ethyl methacrylate	10.43	69	147897	18.774	ug/l	97
52) 1,3-Dichloropropane	10.70	76	175811	19.787	ug/l	100
53) Dibromochloromethane	10.90	129	94529	18.839	ug/l	97
54) 1,2-Dibromoethane	11.00	107	98073	19.401	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	335339	89.582	ug/l	99
56) Bromoform	12.13	173	55543	17.868	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	635610	103.150	ug/l	99
59) 2-Hexanone	10.75	43	484030	104.675	ug/l	100
61) Tetrachloroethene	10.63	164	80555	19.940	ug/l	98
62) Toluene	10.15	91	445844	20.264	ug/l	99
64) Chlorobenzene	11.43	112	269975	19.781	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	93667	19.766	ug/l	99
66) Ethyl Benzene	11.51	91	494741	20.604	ug/l	99
67) m/p-Xylenes	11.62	106	359741	39.252	ug/l	97
68) o-Xylene	11.95	106	172455	19.207	ug/l	98
69) Styrene	11.97	104	298859	19.523	ug/l	99
70) Isopropylbenzene	12.25	105	489779	20.634	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	145446	19.606	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	173886	26.409	ug/l	77
73) Bromobenzene	12.53	156	112612	19.816	ug/l	99
74) n-propylbenzene	12.59	91	576946	21.274	ug/l	99
75) 2-Chlorotoluene	12.68	91	341345	20.208	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	405075	20.041	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	33869	17.339	ug/l	98
78) 4-Chlorotoluene	12.78	91	350707	20.354	ug/l	98
79) tert-butylbenzene	13.00	119	347109	19.684	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	410205	20.368	ug/l	99
81) sec-Butylbenzene	13.18	105	475851	20.339	ug/l	100
82) p-Isopropyltoluene	13.29	119	424347	20.253	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	209594	19.842	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	207038	19.908	ug/l	98
85) n-Butylbenzene	13.62	91	379400	19.429	ug/l	97
86) Hexachloroethane	13.88	117	59668	17.879	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	206206	20.111	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	24469	18.733	ug/l	97
89) 1,2,4-Trichlorobenzene	14.92	180	117971	18.835	ug/l	98
90) Hexachlorobutadiene	15.01	225	61329	21.320	ug/l	99
91) Naphthalene	15.13	128	299982	17.406	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	110222	18.452	ug/l	99

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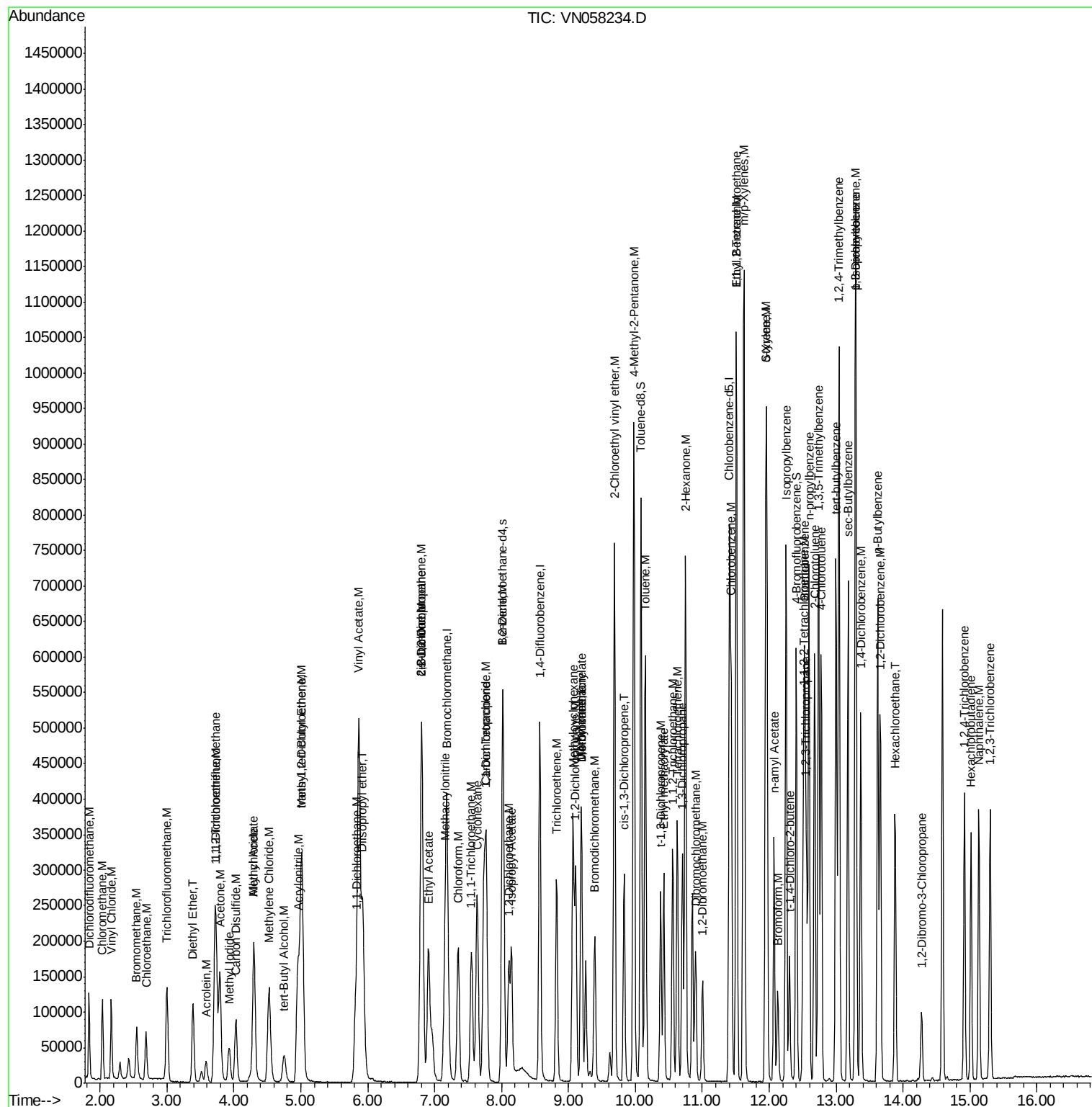
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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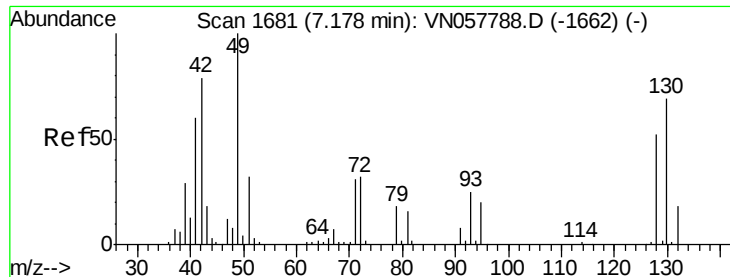
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Sep 21 05:36:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

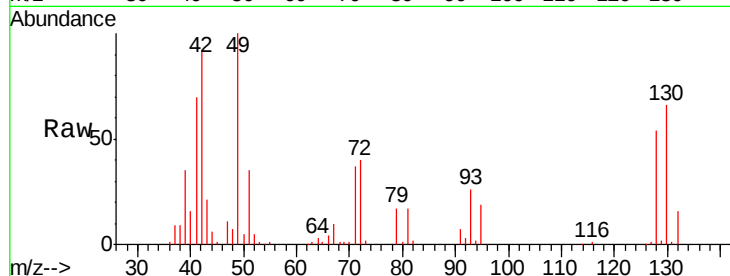
Tgt Ion:128 Resp: 75523

Ion Ratio Lower Upper

128 100

49 186.8 0.0 486.5

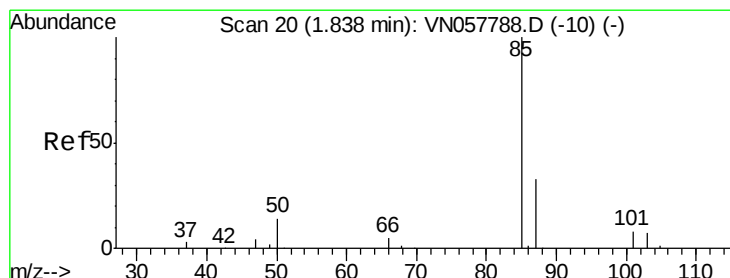
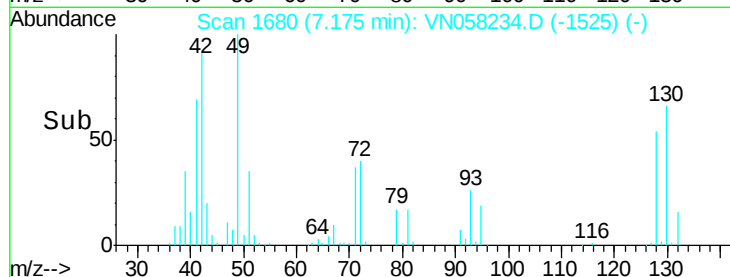
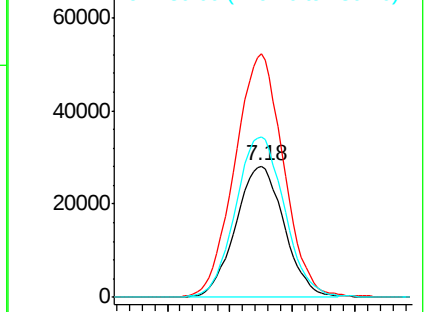
130 124.4 0.0 324.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.512 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058234.D

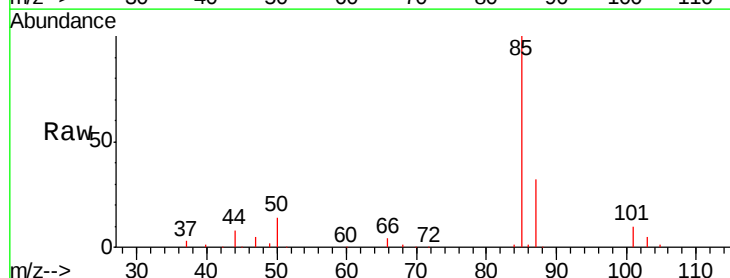
Acq: 20 Sep 2019 8:47

Tgt Ion: 85 Resp: 89033

Ion Ratio Lower Upper

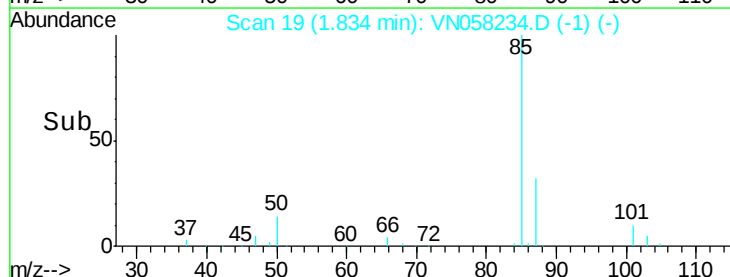
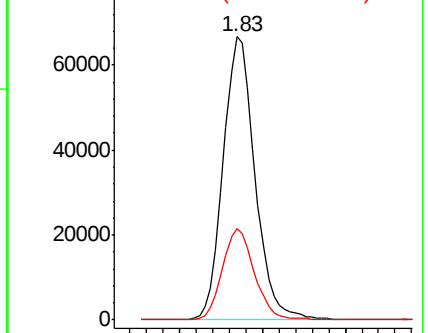
85 100

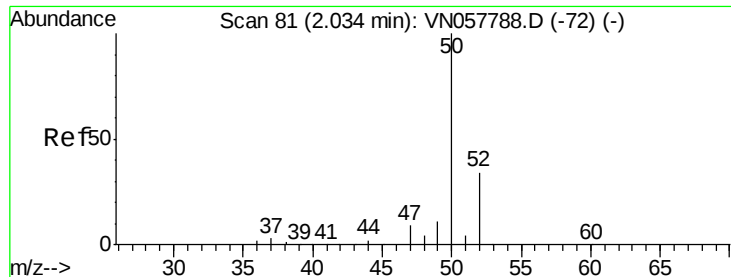
87 32.3 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 16.942 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

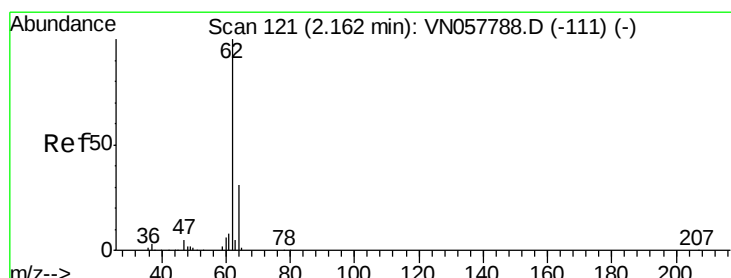
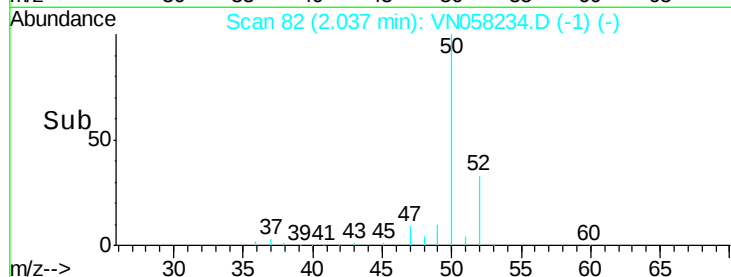
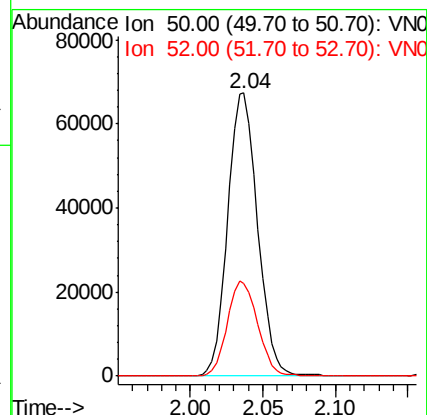
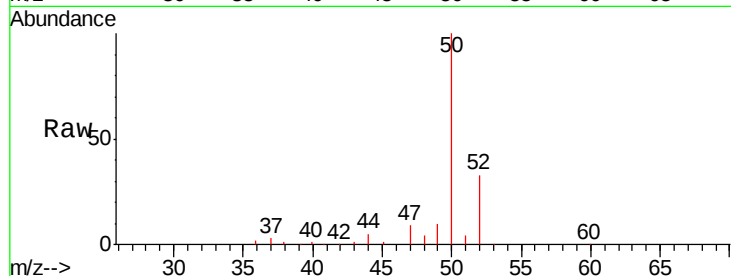
VSTDCCC020

Tgt Ion: 50 Resp: 96396

Ion Ratio Lower Upper

50 100

52 32.9 26.9 40.3



#4

Vinyl Chloride

Concen: 16.910 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058234.D

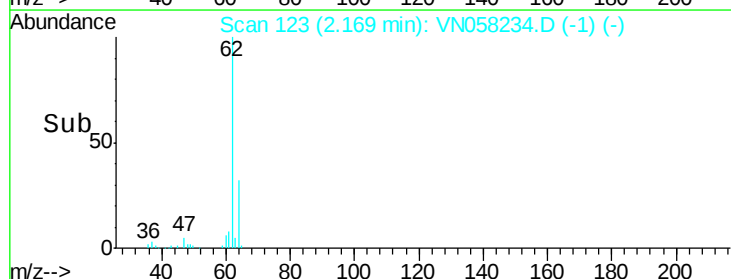
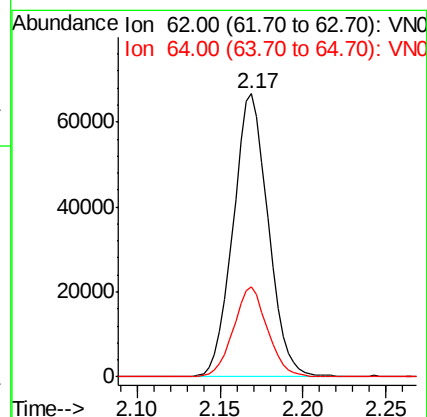
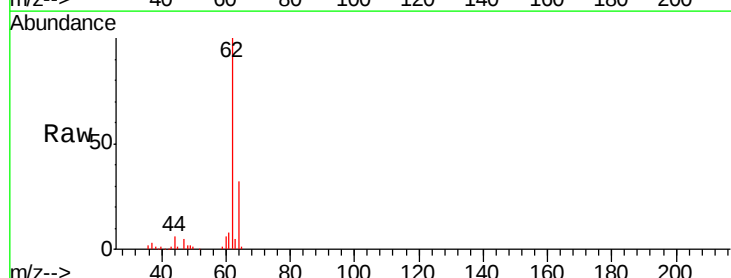
Acq: 20 Sep 2019 8:47

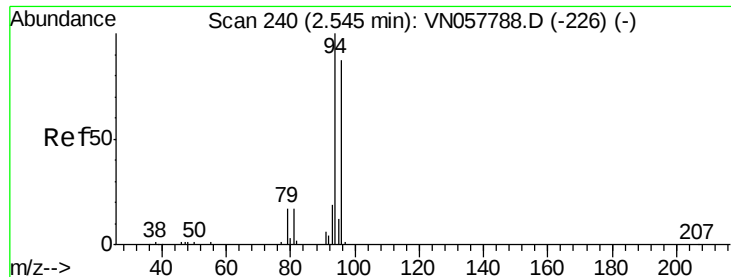
Tgt Ion: 62 Resp: 98436

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.6





#5

Bromomethane

Concen: 13.220 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampled :

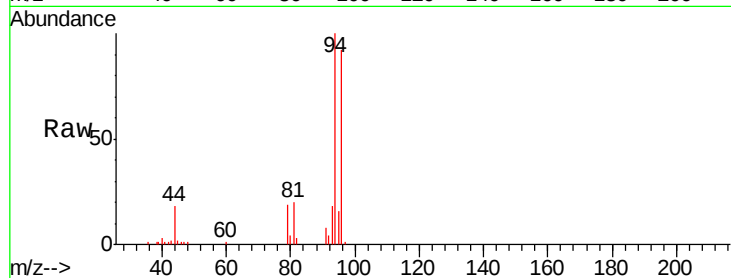
VSTDCCC020

Tgt Ion: 94 Resp: 48027

Ion Ratio Lower Upper

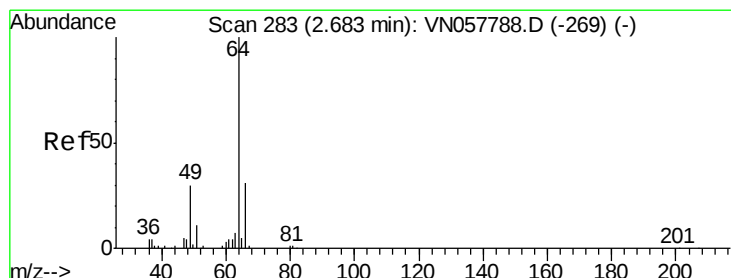
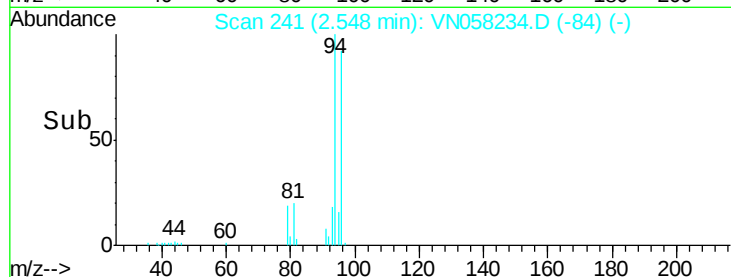
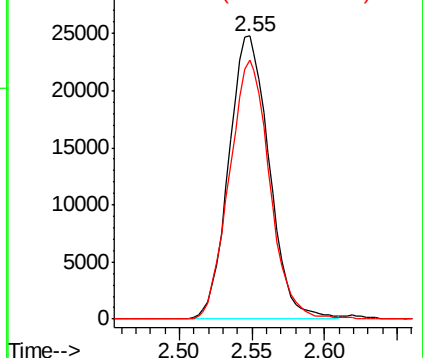
94 100

96 91.5 69.2 103.8



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 16.953 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058234.D

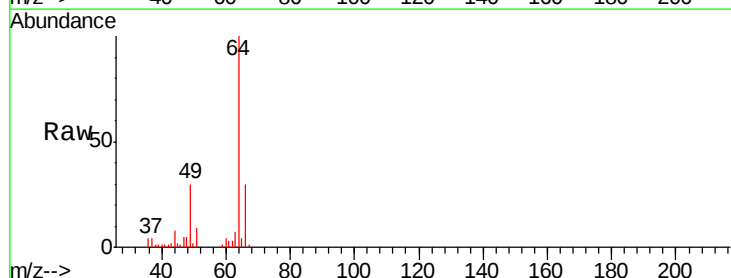
Acq: 20 Sep 2019 8:47

Tgt Ion: 64 Resp: 61333

Ion Ratio Lower Upper

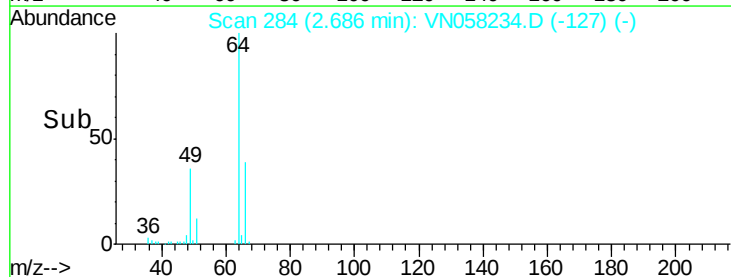
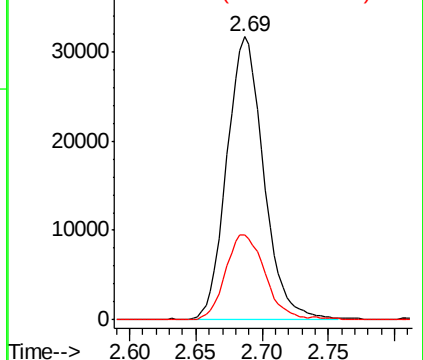
64 100

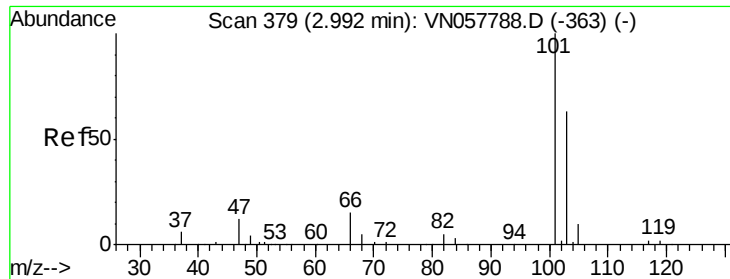
66 30.0 24.4 36.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



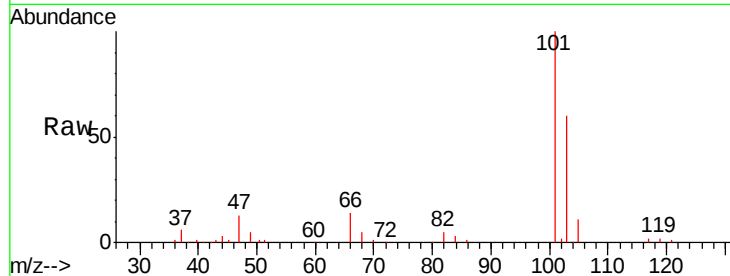


#7

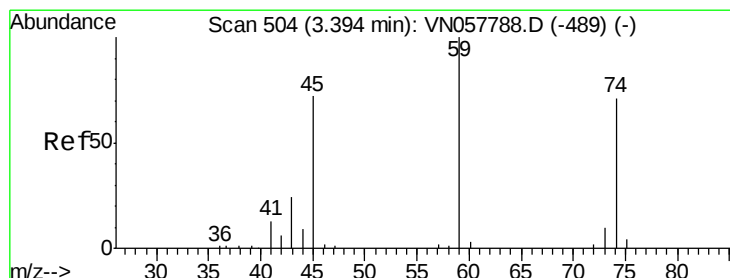
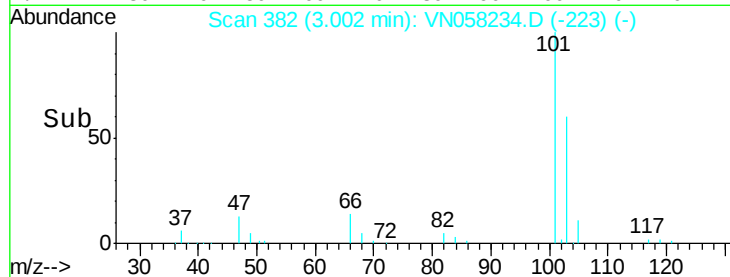
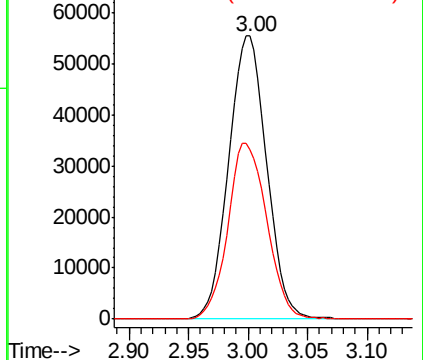
Trichlorofluoromethane
 Concen: 18.239 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Instrument :
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Tgt Ion: 101 Resp: 122662
 Ion Ratio Lower Upper
 101 100
 103 59.9 50.2 75.2



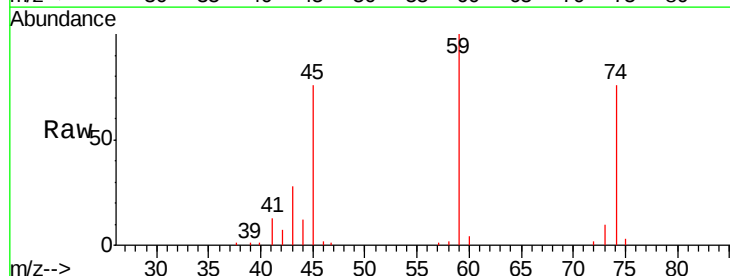
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



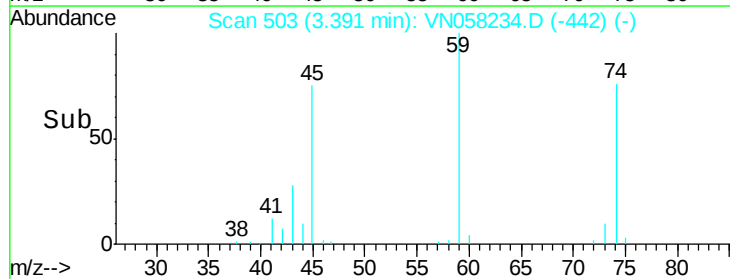
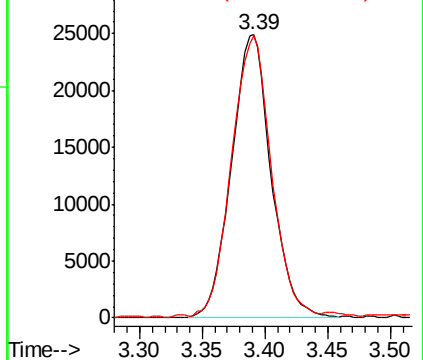
#8

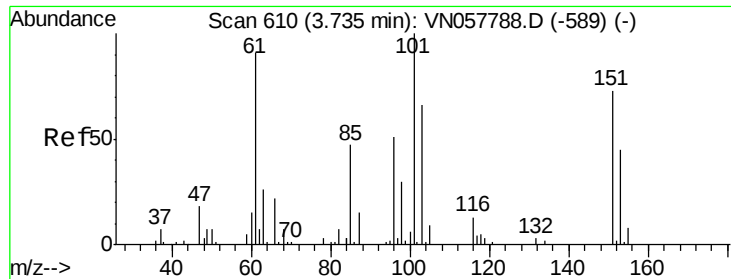
Diethyl Ether
 Concen: 20.135 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion: 74 Resp: 54628
 Ion Ratio Lower Upper
 74 100
 45 99.3 20.3 182.5



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.929 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058234.D

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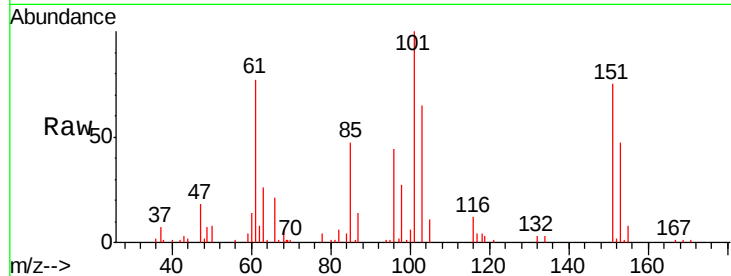
Tgt Ion: 101 Resp: 87891

Ion Ratio Lower Upper

101 100

85 46.3 0.0 94.0

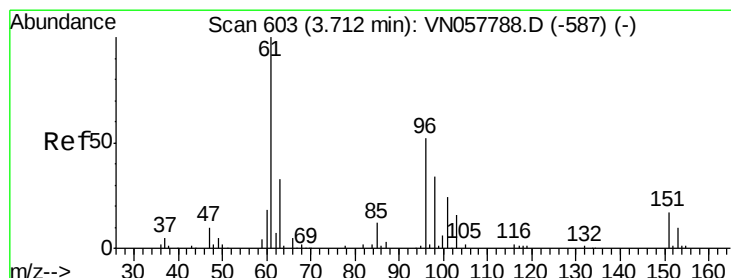
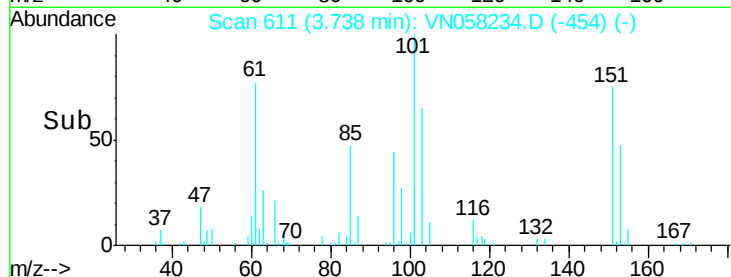
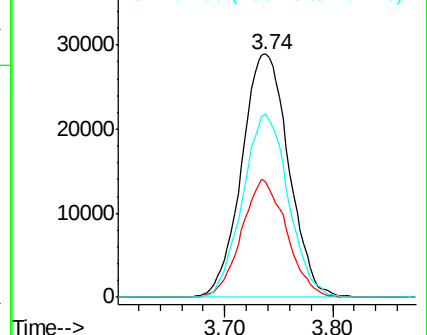
151 73.0 0.0 144.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.731 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

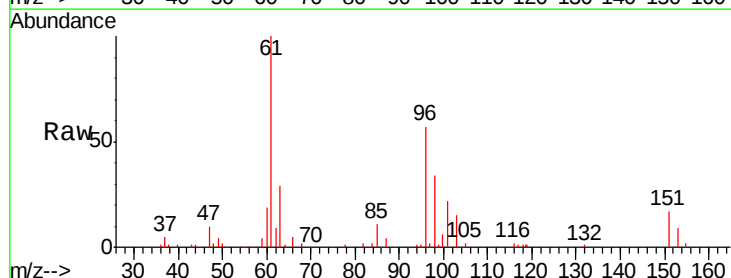
Tgt Ion: 96 Resp: 78793

Ion Ratio Lower Upper

96 100

61 174.2 153.4 230.0

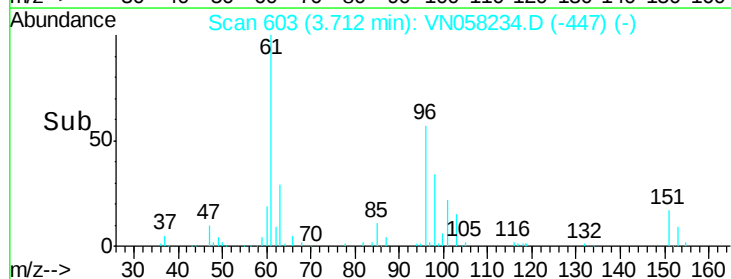
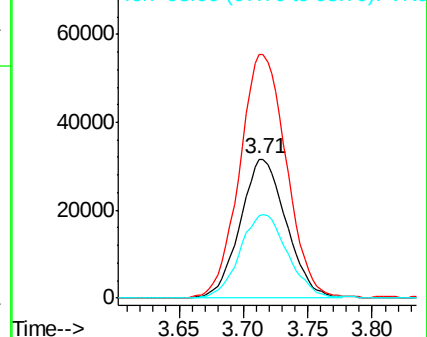
98 59.2 51.5 77.3

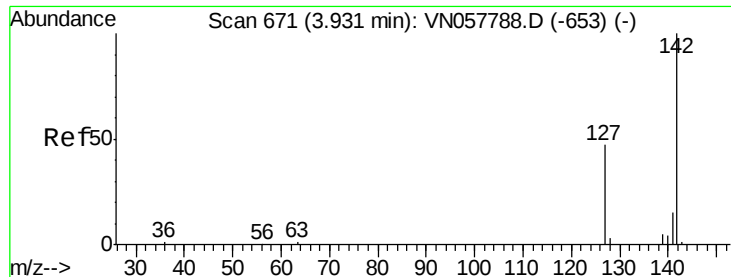


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

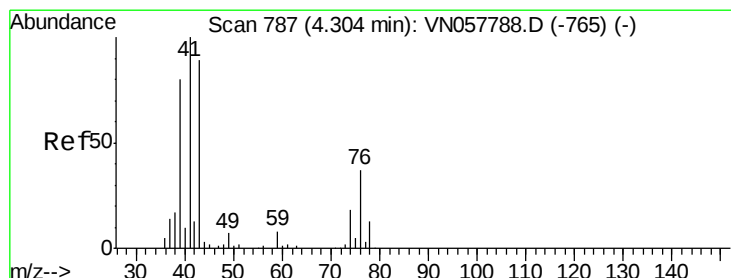
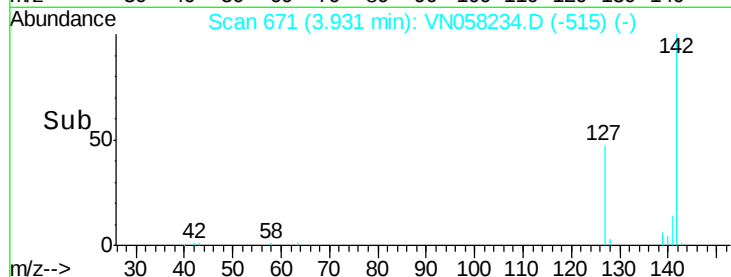
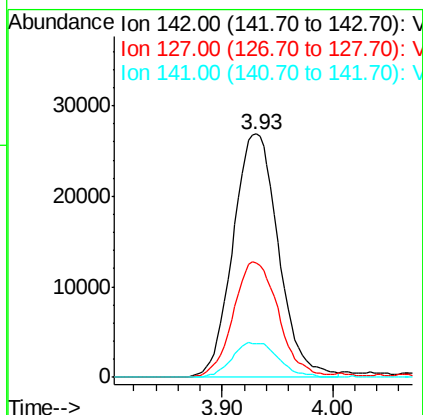
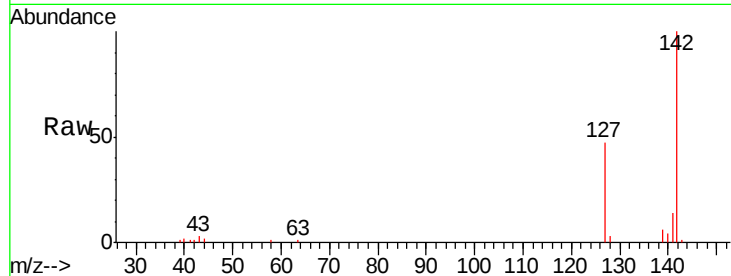




#11
Methyl Iodide
Concen: 14.379 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

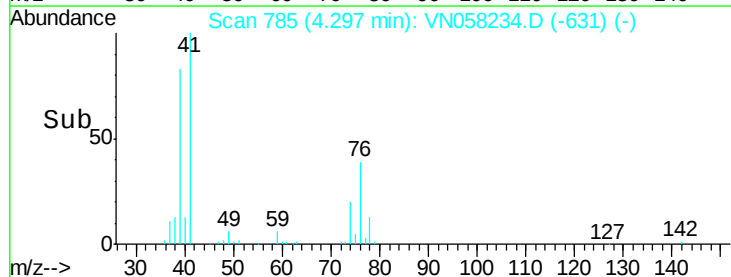
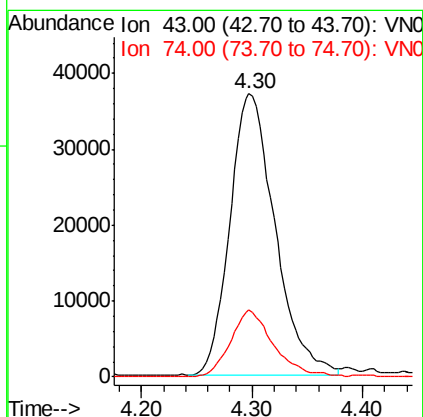
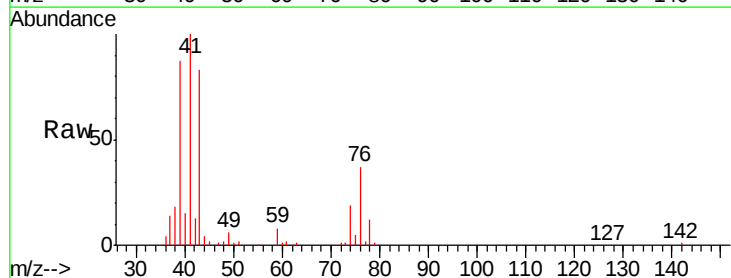
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

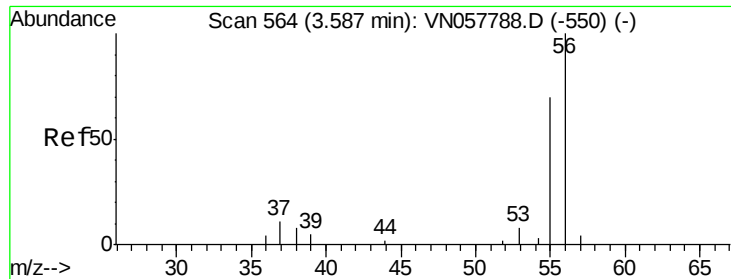
Tgt Ion:142 Resp: 76827
Ion Ratio Lower Upper
142 100
127 46.7 23.3 69.8
141 13.8 7.5 22.6



#12
Methyl Acetate
Concen: 19.241 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.01 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion: 43 Resp: 105447
Ion Ratio Lower Upper
43 100
74 23.7 16.2 24.4





#13

Acrolein

Concen: 108.799 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

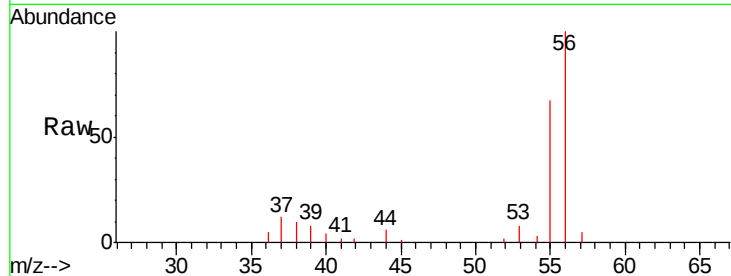
VSTDCCC020

Tgt Ion: 56 Resp: 32351

Ion Ratio Lower Upper

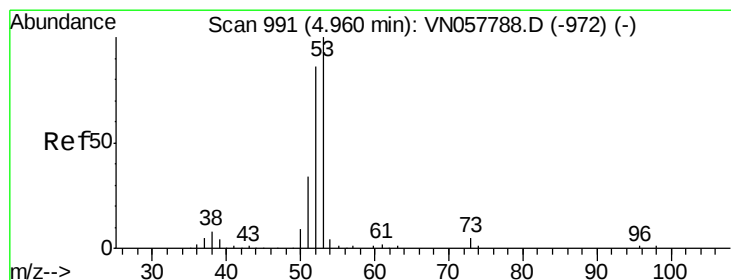
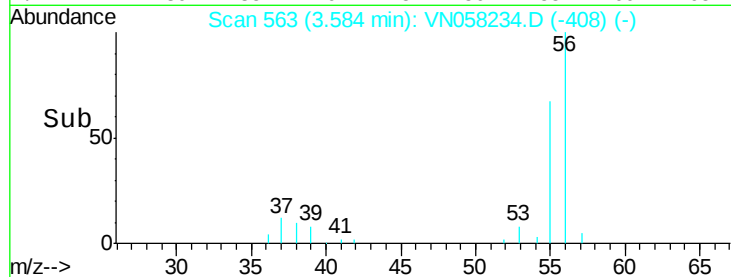
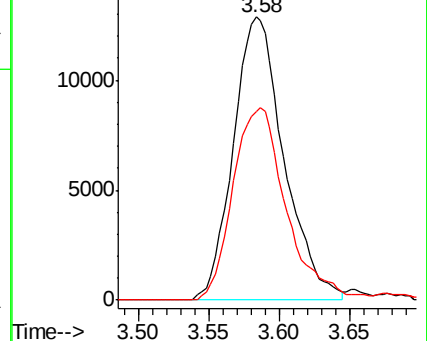
56 100

55 71.0 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 96.199 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

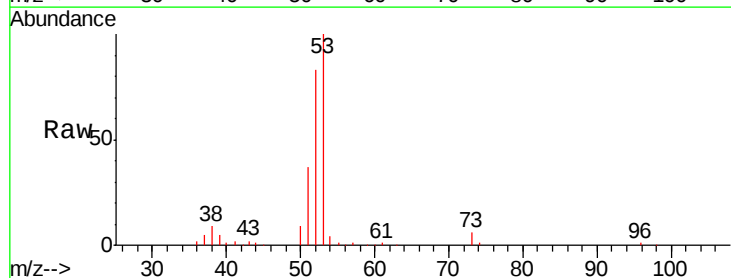
Tgt Ion: 53 Resp: 214918

Ion Ratio Lower Upper

53 100

52 81.6 41.0 123.0

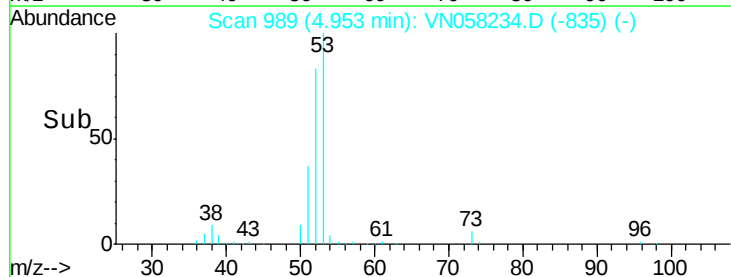
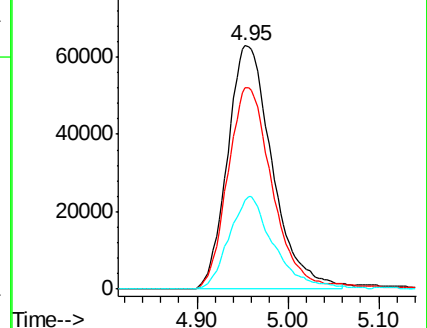
51 38.2 8.6 25.8#

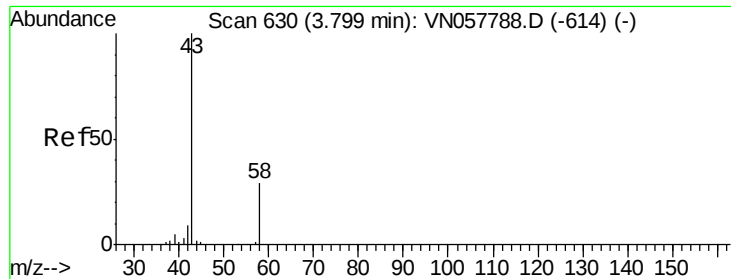


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 112.151 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampled :

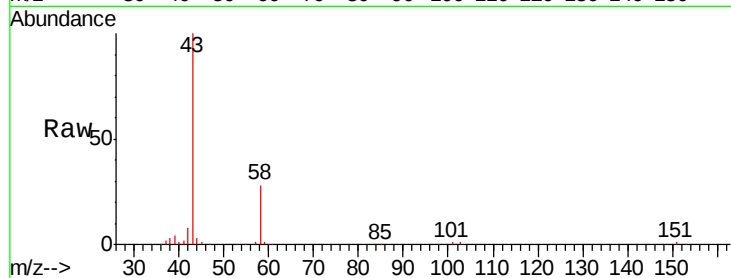
VSTDCCC020

Tgt Ion: 58 Resp: 71133

Ion Ratio Lower Upper

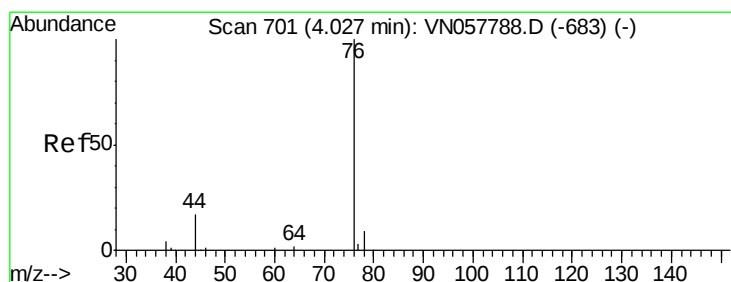
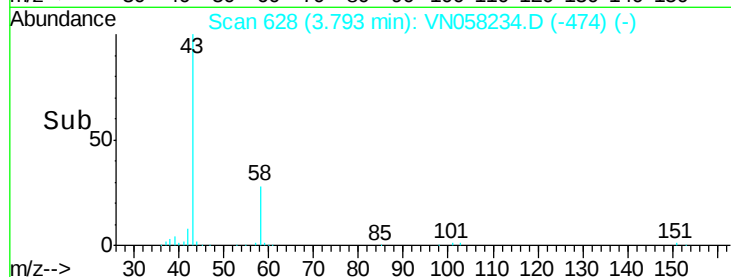
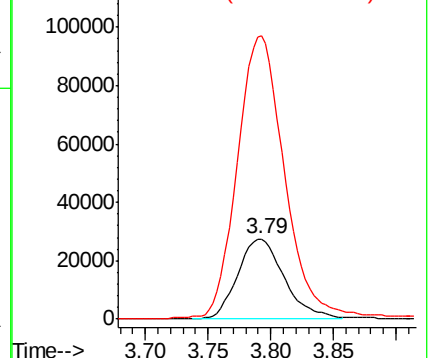
58 100

43 350.5 277.7 416.5



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.574 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058234.D

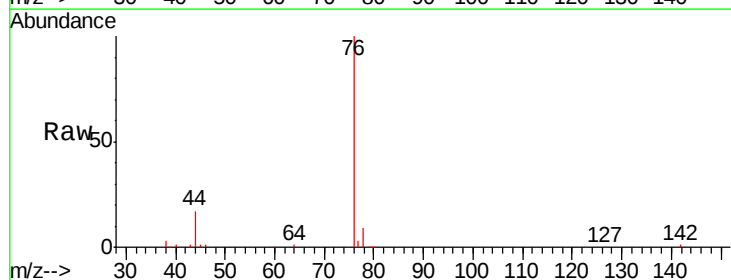
Acq: 20 Sep 2019 8:47

Tgt Ion: 76 Resp: 163422

Ion Ratio Lower Upper

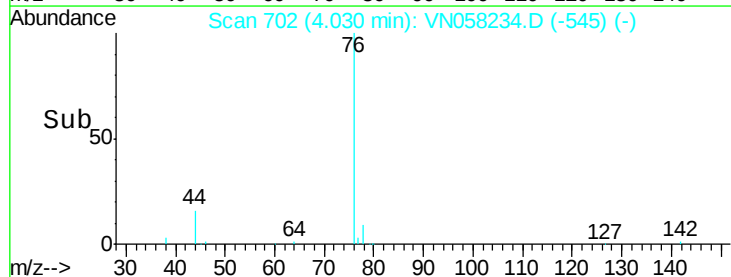
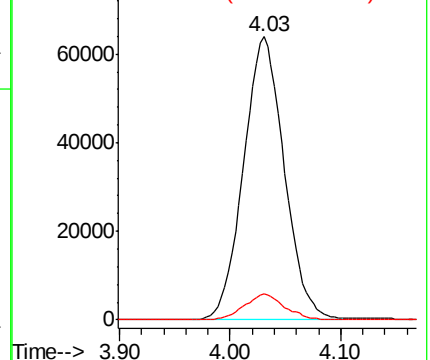
76 100

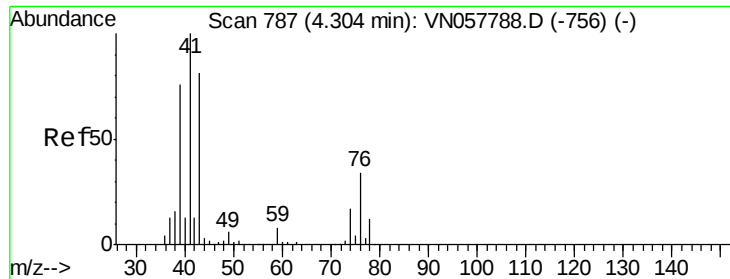
78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allyl chloride

Concen: 19.755 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

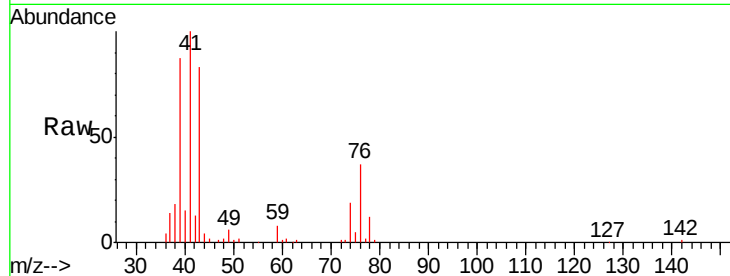
Tgt Ion: 41 Resp: 144562

Ion Ratio Lower Upper

41 100

39 86.7 38.5 115.3

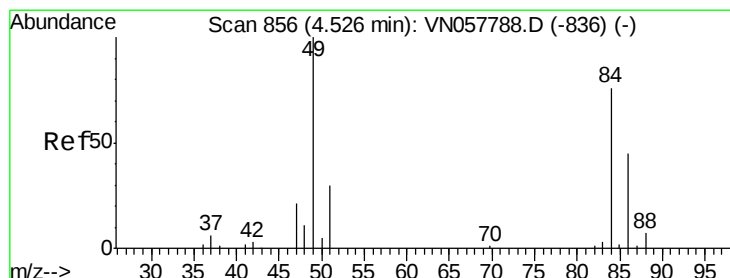
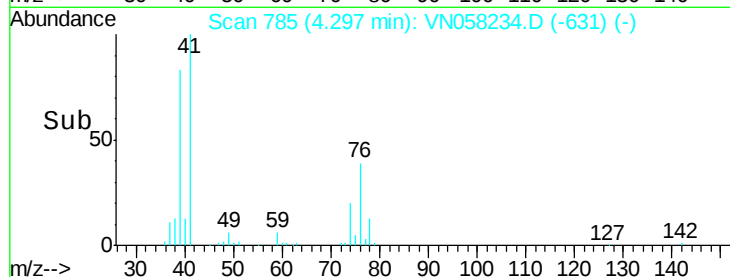
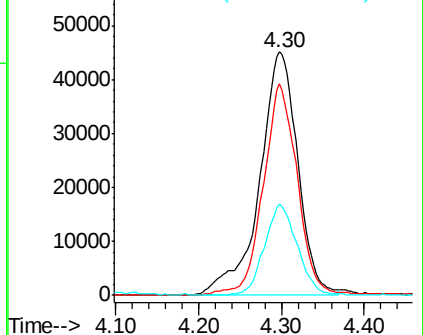
76 37.0 17.2 51.6



Abundance Ion 41.00 (40.70 to 41.70): VN057788.D (-756) (-)

Ion 39.00 (38.70 to 39.70): VN057788.D (-756) (-)

Ion 76.00 (75.70 to 76.70): VN057788.D (-756) (-)



#18

Methylene Chloride

Concen: 19.605 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Tgt Ion: 84 Resp: 98656

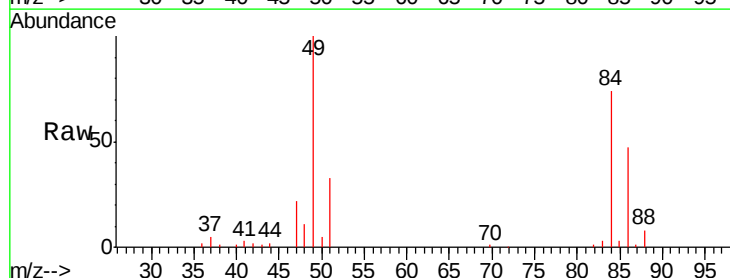
Ion Ratio Lower Upper

84 100

49 135.5 105.4 158.2

51 45.3 31.3 46.9

86 63.9 47.3 70.9

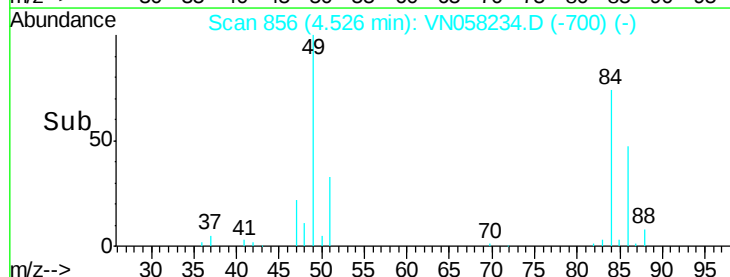
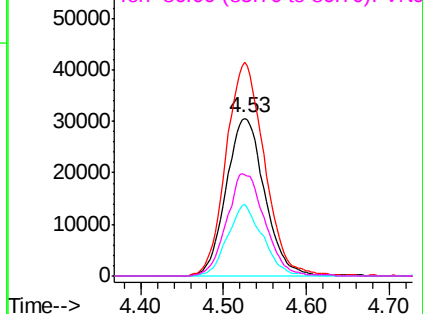


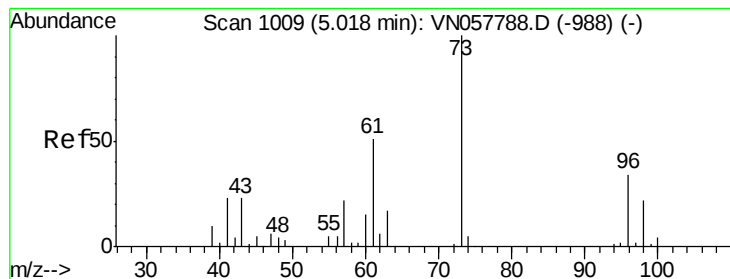
Abundance Ion 84.00 (83.70 to 84.70): VN057788.D (-836) (-)

Ion 49.00 (48.70 to 49.70): VN057788.D (-836) (-)

Ion 51.00 (50.70 to 51.70): VN057788.D (-836) (-)

Ion 86.00 (85.70 to 86.70): VN057788.D (-836) (-)





#19

trans-1,2-Dichloroethene

Concen: 19.256 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

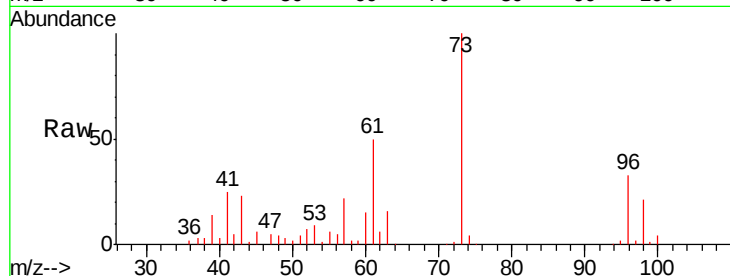
Tgt Ion: 96 Resp: 85703

Ion Ratio Lower Upper

96 100

61 153.7 121.0 181.6

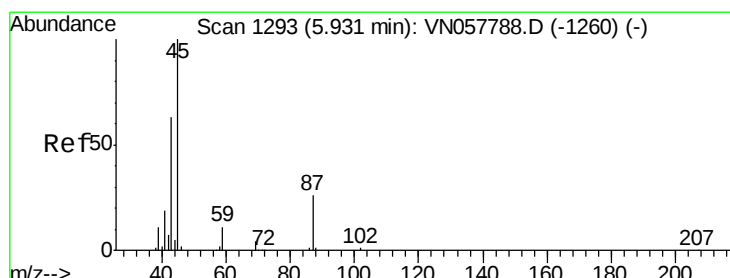
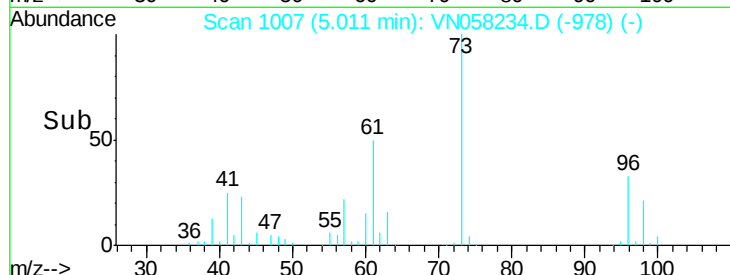
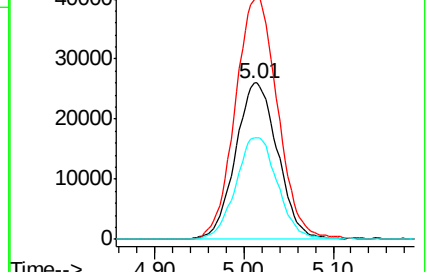
98 65.0 52.7 79.1



Abundance Ion 96.00 (95.70 to 96.70): VN058234.D (-978) (-)

Ion 61.00 (60.70 to 61.70): VN058234.D (-978) (-)

Ion 98.00 (97.70 to 98.70): VN058234.D (-978) (-)



#20

Diisopropyl ether

Concen: 19.165 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Tgt Ion: 45 Resp: 327854

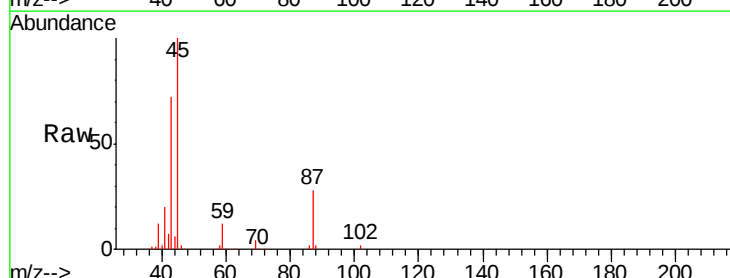
Ion Ratio Lower Upper

45 100

43 68.9 55.2 82.8

87 27.6 21.3 31.9

59 11.3 9.1 13.7

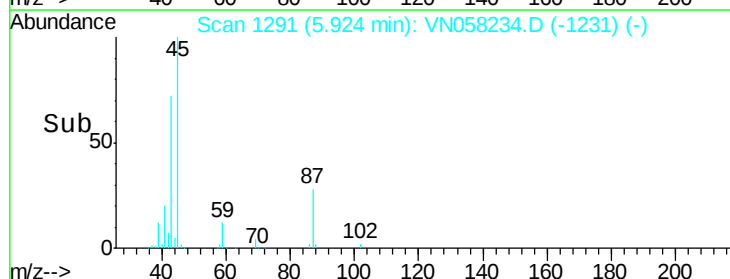
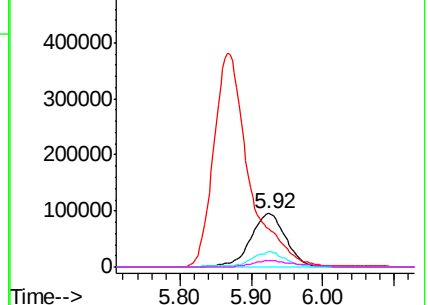


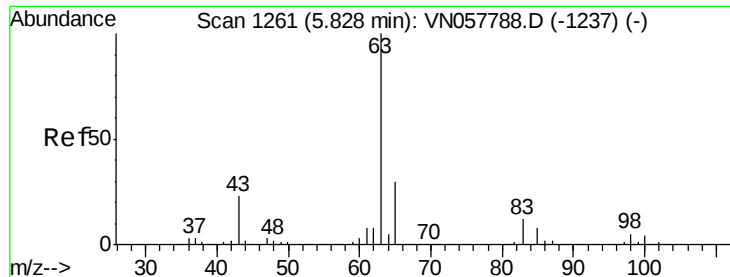
Abundance Ion 45.00 (44.70 to 45.70): VN058234.D (-1231) (-)

Ion 43.00 (42.70 to 43.70): VN058234.D (-1231) (-)

Ion 87.00 (86.70 to 87.70): VN058234.D (-1231) (-)

Ion 59.00 (58.70 to 59.70): VN058234.D (-1231) (-)





#21

1,1-Dichloroethane

Concen: 19.798 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

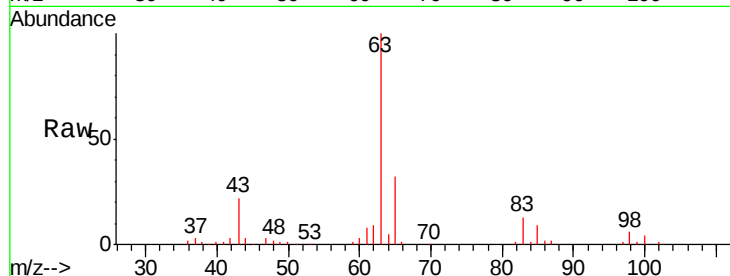
Tgt Ion: 63 Resp: 186752

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

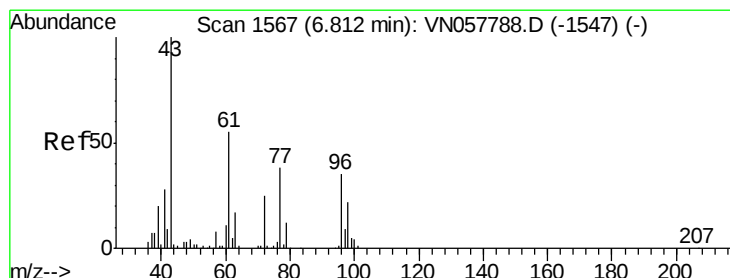
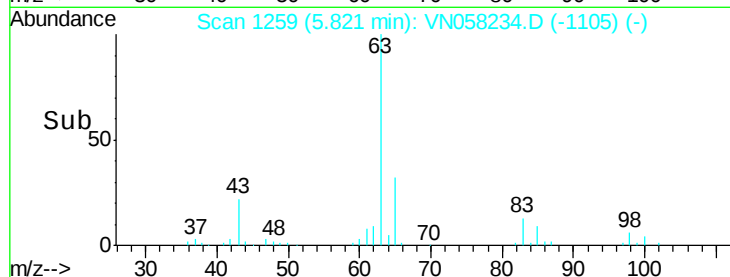
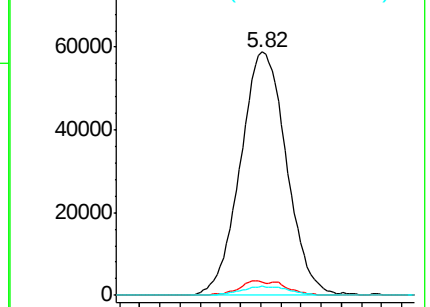
100 3.7 1.8 5.5



Abundance Ion 63.00 (62.70 to 63.70): VN057788.D (-1237) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-1237) (-)

Ion 100.00 (99.70 to 100.70): VN057788.D (-1237) (-)



#22

cis-1,2-Dichloroethene

Concen: 20.034 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

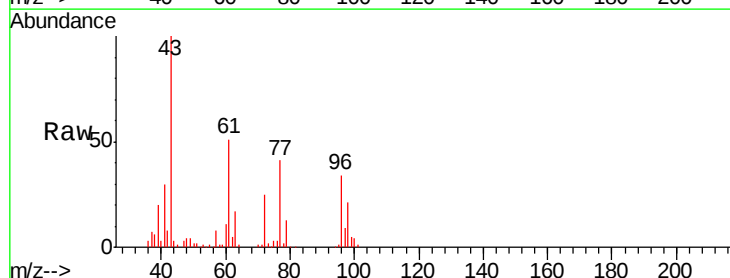
Tgt Ion: 96 Resp: 109254

Ion Ratio Lower Upper

96 100

61 157.1 127.4 191.0

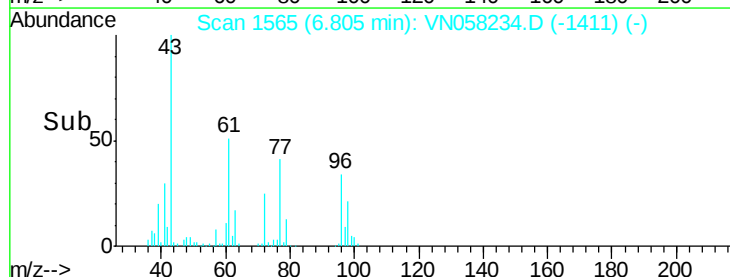
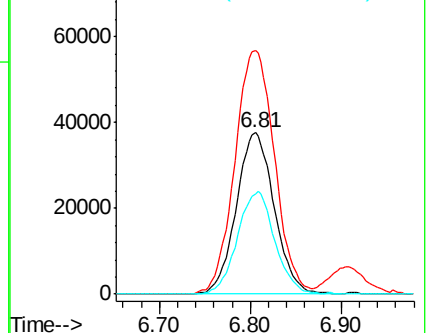
98 62.5 51.5 77.3

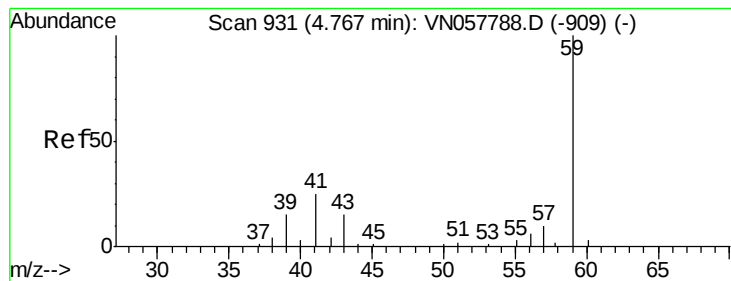


Abundance Ion 96.00 (95.70 to 96.70): VN057788.D (-1547) (-)

Ion 61.00 (60.70 to 61.70): VN057788.D (-1547) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-1547) (-)



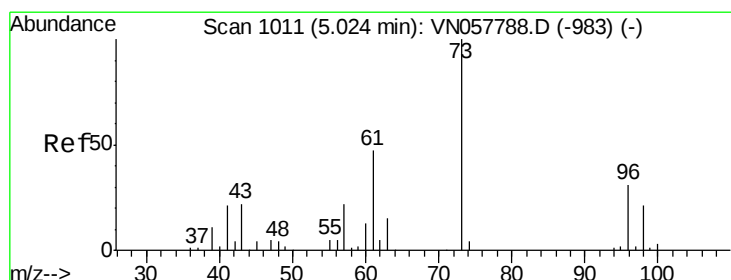
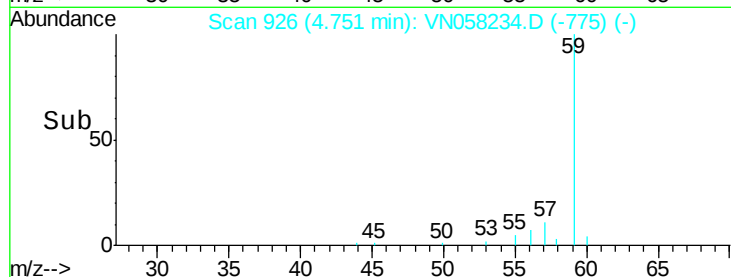
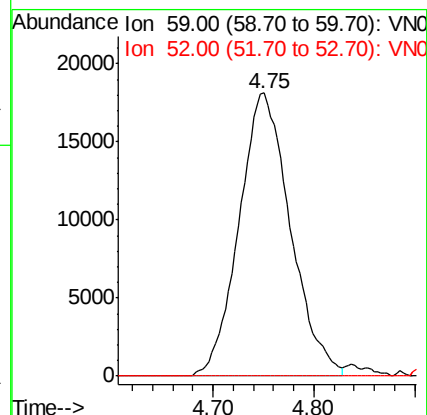
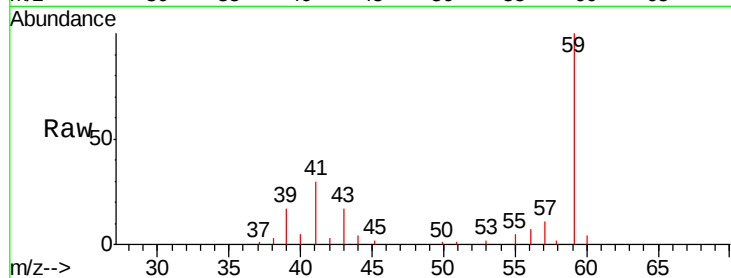


#23

tert-Butyl Alcohol
 Concen: 87.945 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.02 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

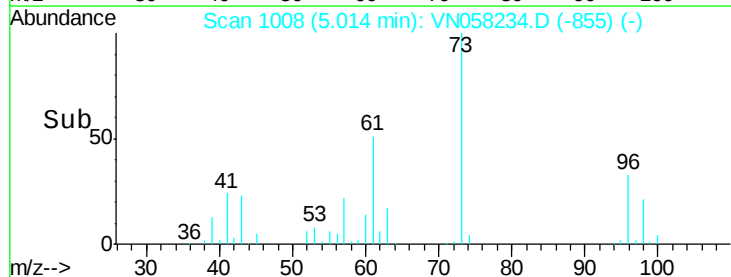
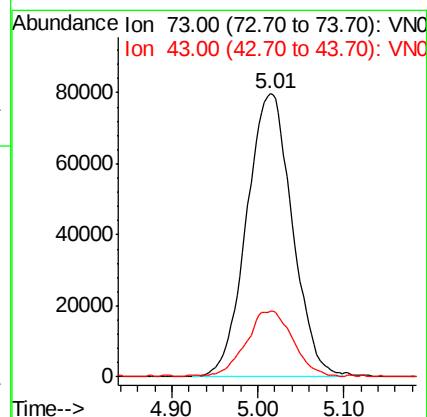
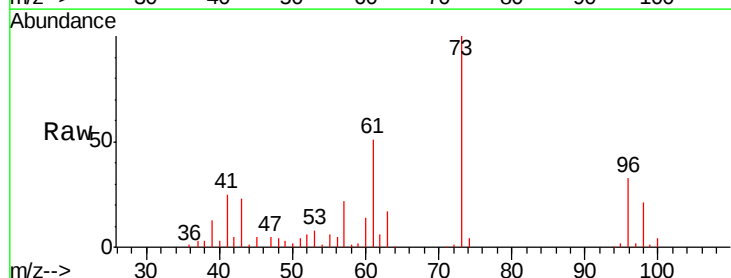
Tgt Ion: 59 Resp: 64142
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

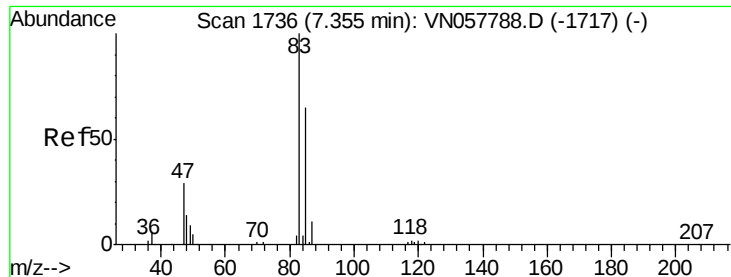


#24

Methyl tert-Butyl Ether
 Concen: 19.271 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion: 73 Resp: 294967
 Ion Ratio Lower Upper
 73 100
 43 23.6 0.0 0.0#

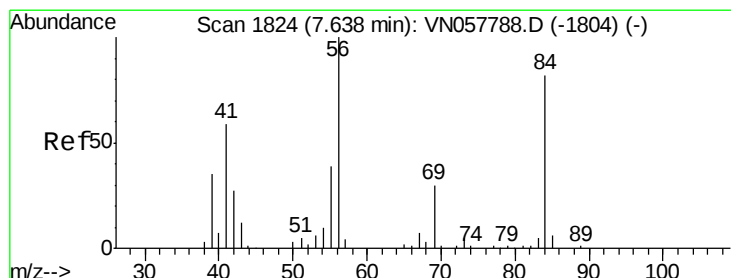
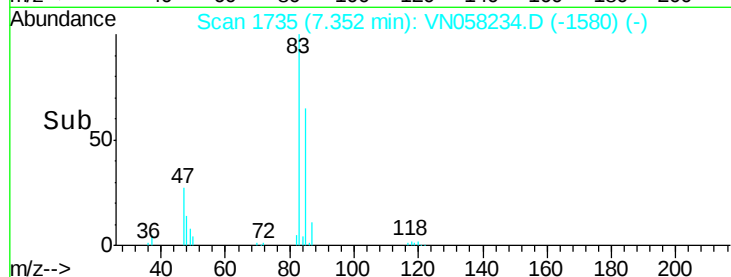
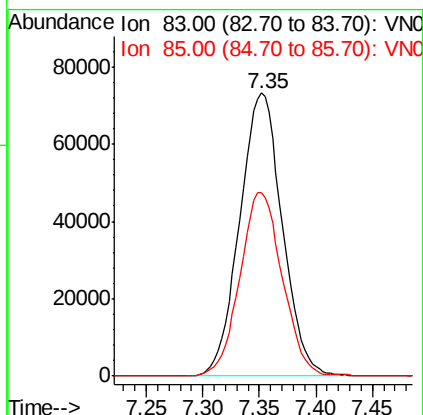
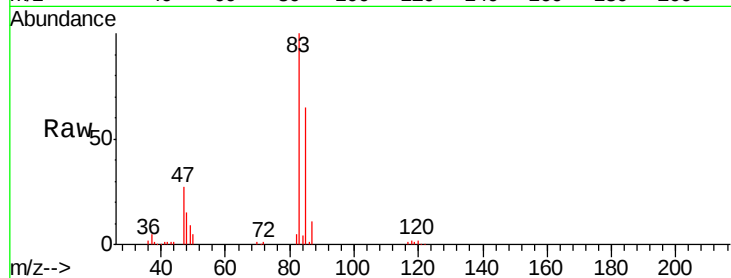




#25
Chloroform
Concen: 19.971 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

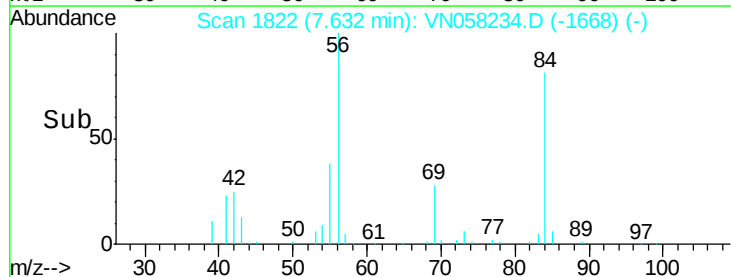
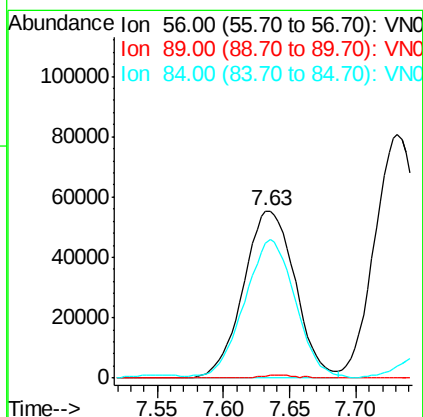
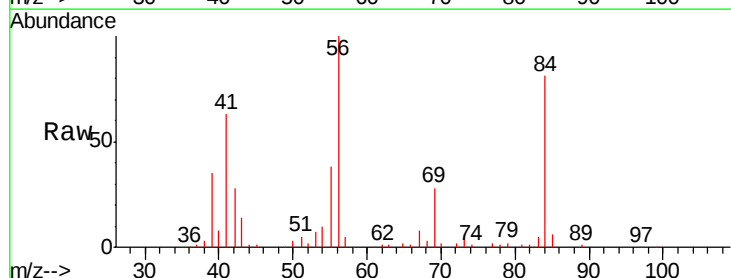
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

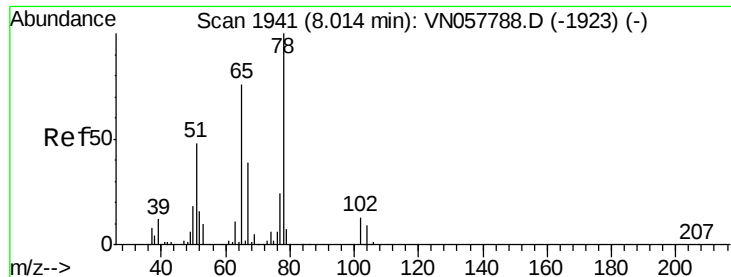
Tgt Ion: 83 Resp: 191794
Ion Ratio Lower Upper
83 100
85 65.0 51.8 77.6



#26
Cyclohexane
Concen: 19.029 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion: 56 Resp: 150819
Ion Ratio Lower Upper
56 100
89 1.1 0.3 0.5#
84 80.5 66.6 100.0





#27

1,2-Dichloroethane-d4

Concen: 30.194 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

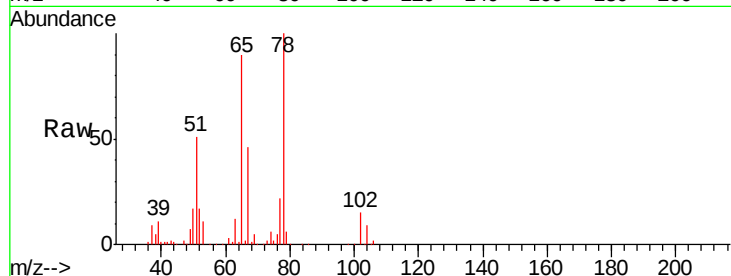
VSTDCCC020

Tgt Ion: 65 Resp: 201705

Ion Ratio Lower Upper

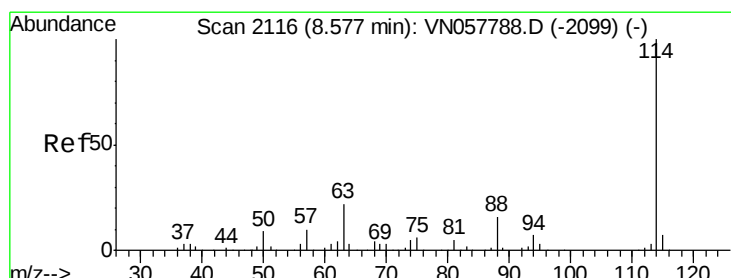
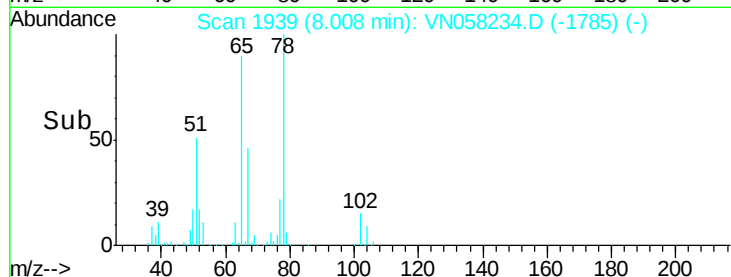
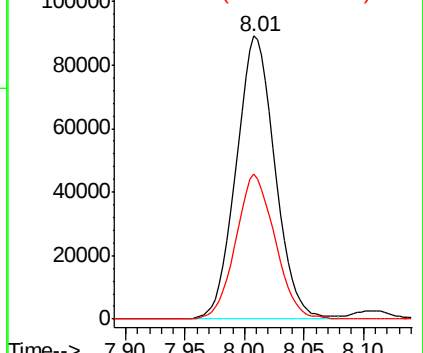
65 100

67 51.7 40.9 61.3



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

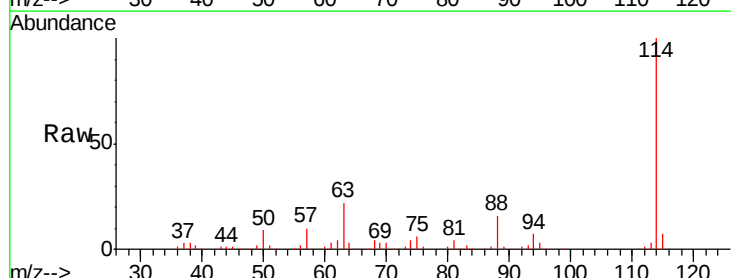
Tgt Ion: 114 Resp: 439939

Ion Ratio Lower Upper

114 100

63 22.3 18.0 27.0

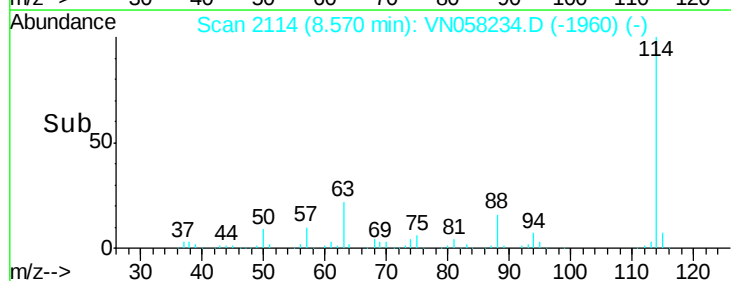
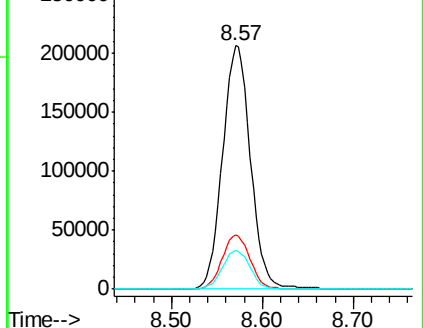
88 15.8 12.6 19.0

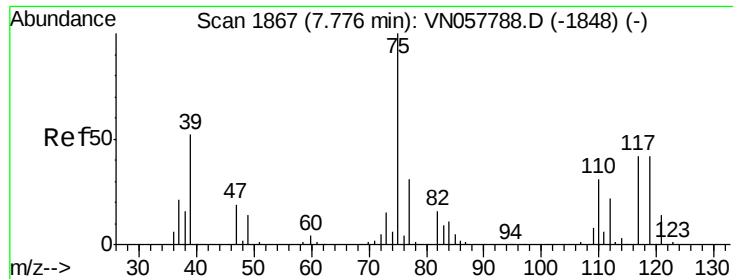


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

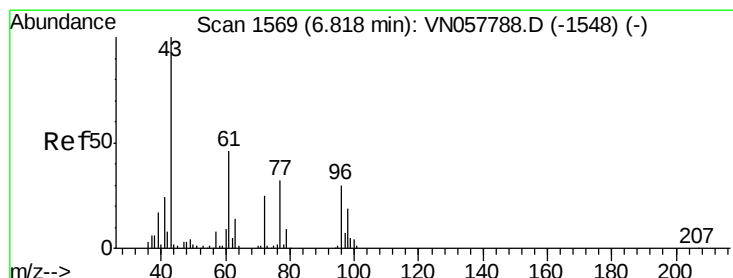
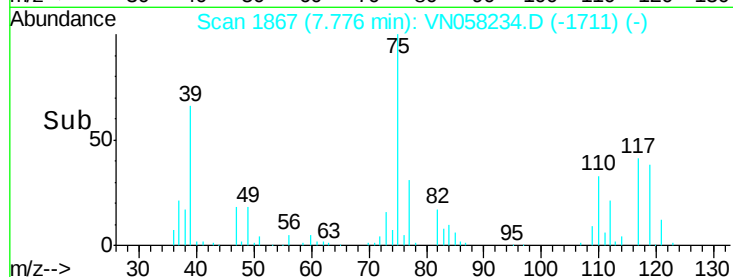
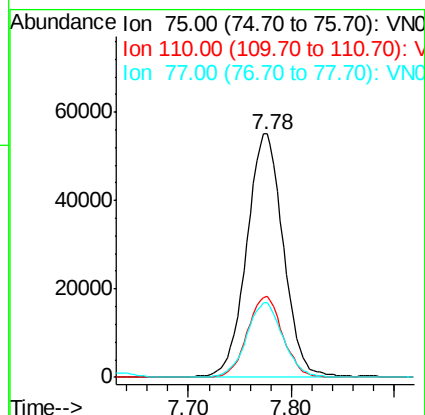
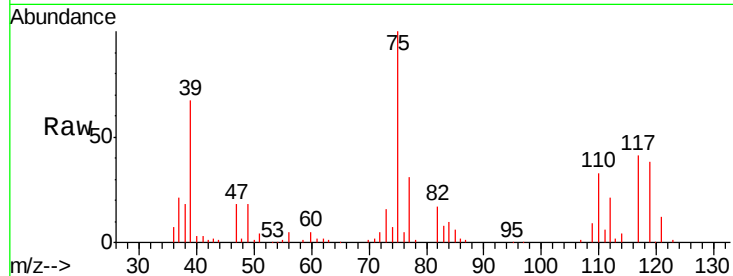




#29
 1,1-Dichloropropene
 Concen: 19.647 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

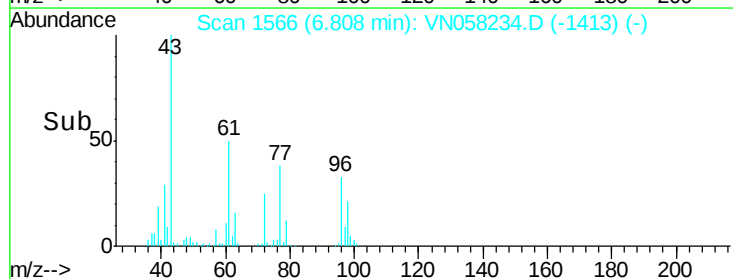
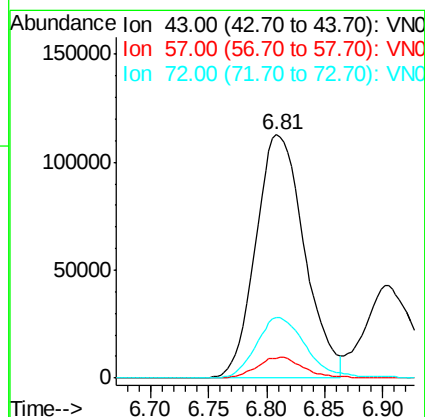
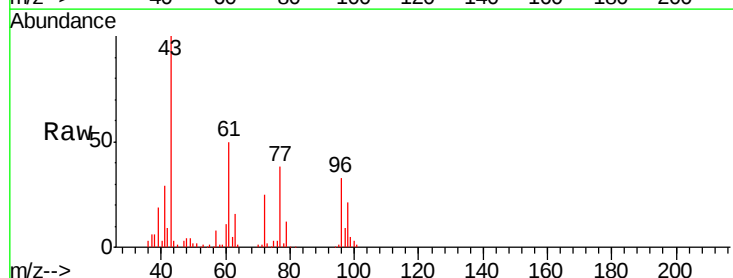
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

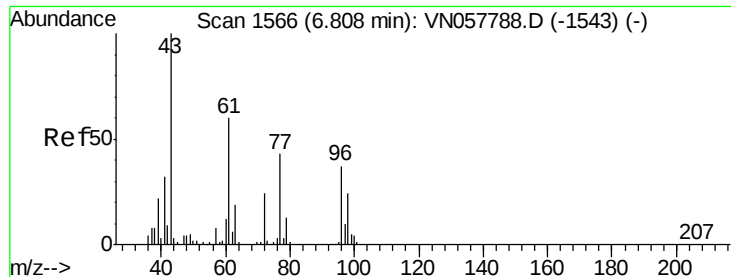
Tgt Ion: 75 Resp: 135973
 Ion Ratio Lower Upper
 75 100
 110 31.9 0.0 63.8
 77 30.6 0.0 60.0



#30
 2-Butanone
 Concen: 104.936 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion: 43 Resp: 327460
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.4 9.6#
 72 25.6 20.3 30.5

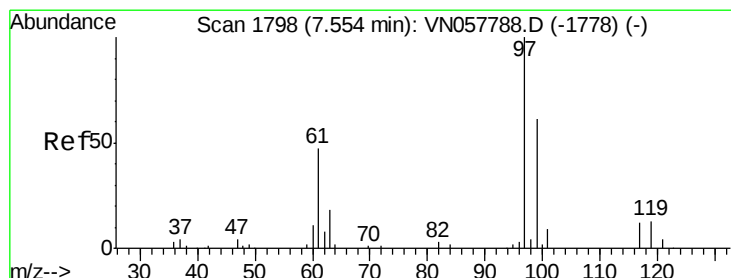
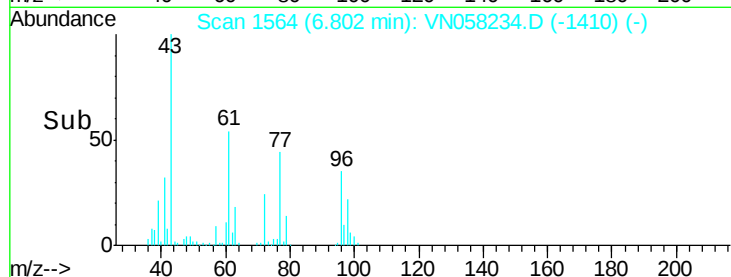
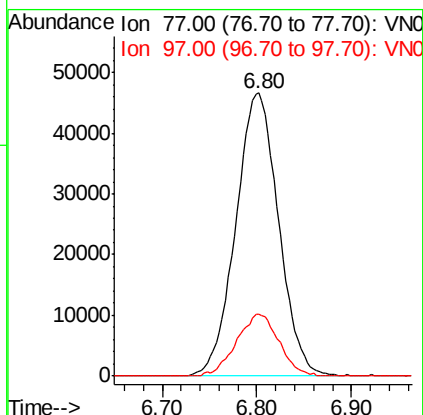
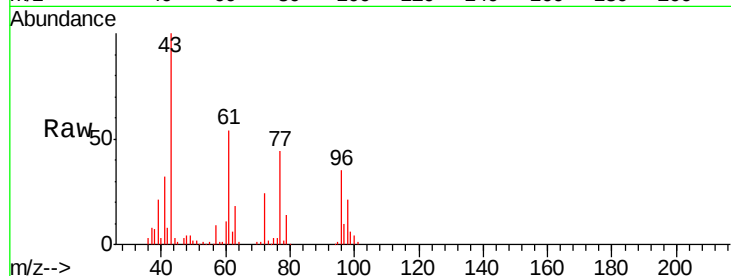




#31
 2,2-Dichloropropane
 Concen: 20.043 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

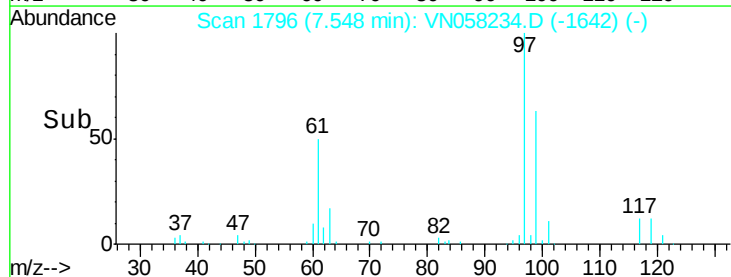
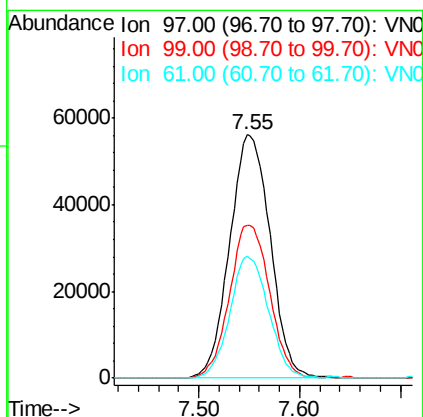
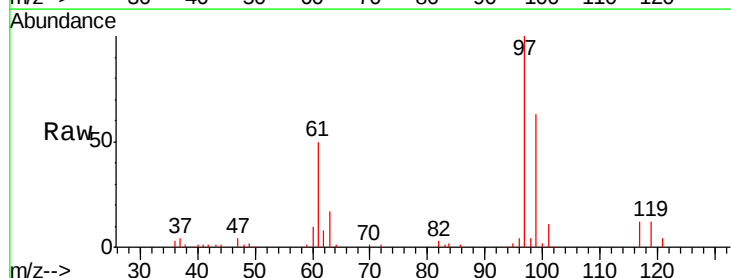
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

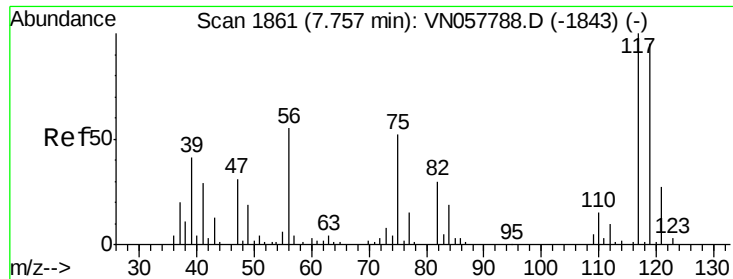
Tgt Ion: 77 Resp: 146456
 Ion Ratio Lower Upper
 77 100
 97 20.6 17.7 26.5



#32
 1,1,1-Trichloroethane
 Concen: 20.134 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.01 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion: 97 Resp: 156670
 Ion Ratio Lower Upper
 97 100
 99 62.4 49.8 74.8
 61 47.8 38.7 58.1

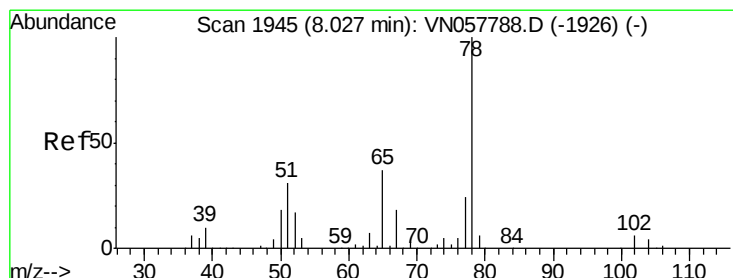
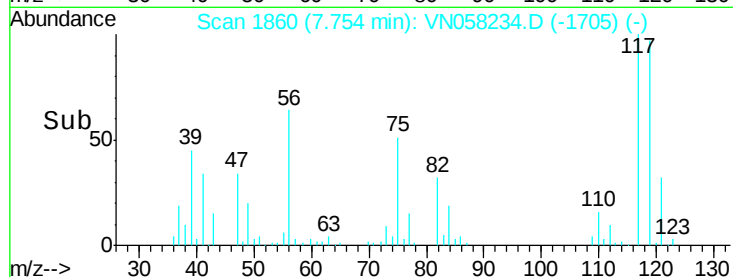
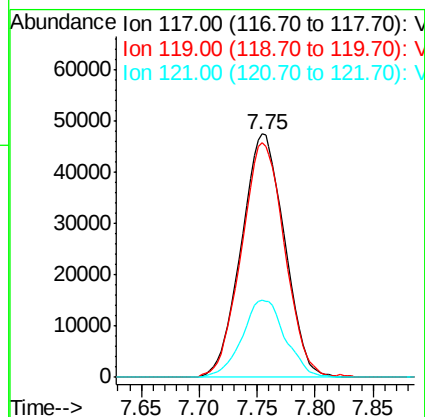
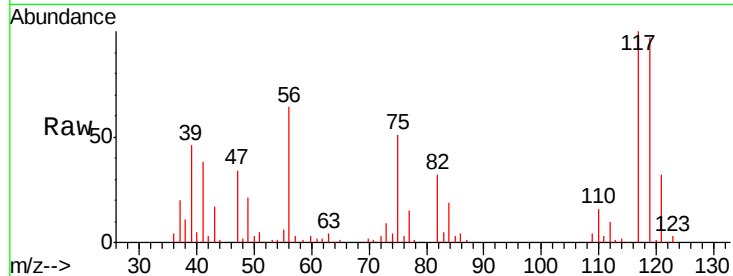




#33
Carbon Tetrachloride
Concen: 19.385 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

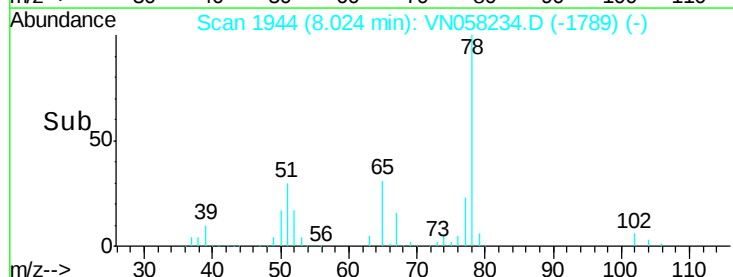
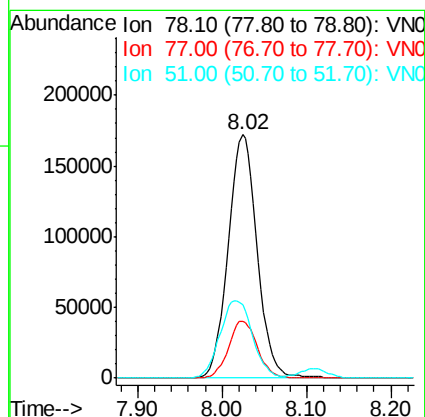
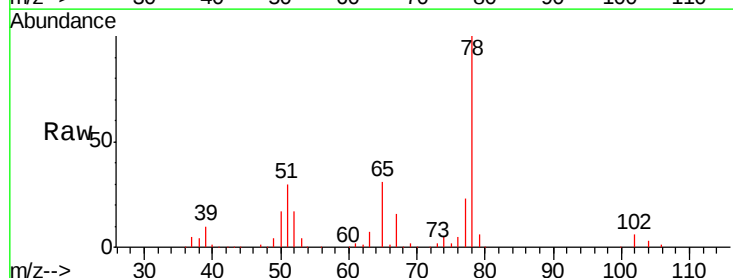
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

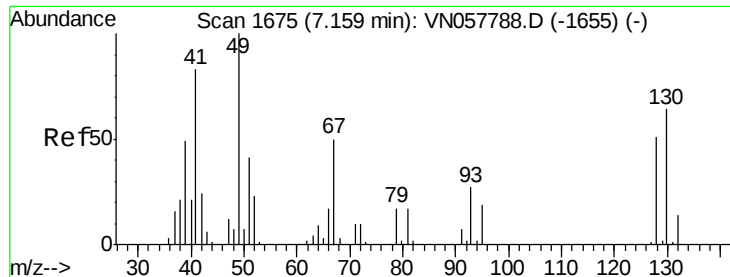
Tgt Ion: 117 Resp: 123055
Ion Ratio Lower Upper
117 100
119 96.5 75.7 113.5
121 31.5 21.7 32.5



#34
Benzene
Concen: 20.023 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion: 78 Resp: 410602
Ion Ratio Lower Upper
78 100
77 23.4 19.2 28.8
51 30.0 24.9 37.3

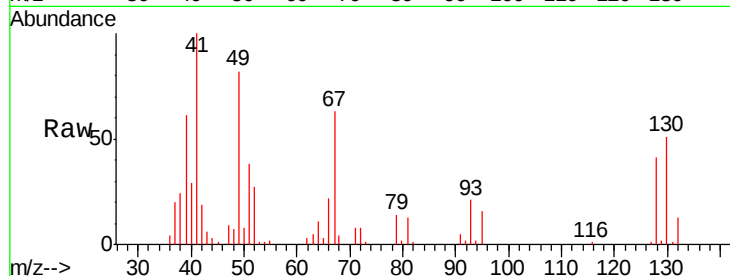




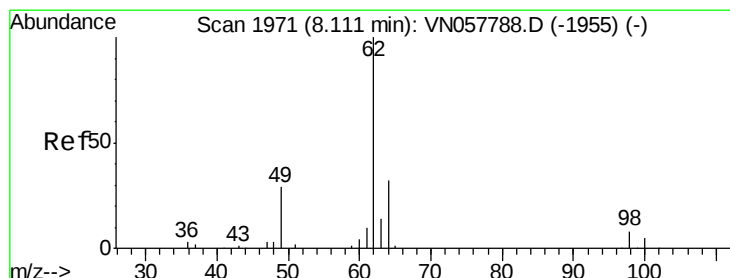
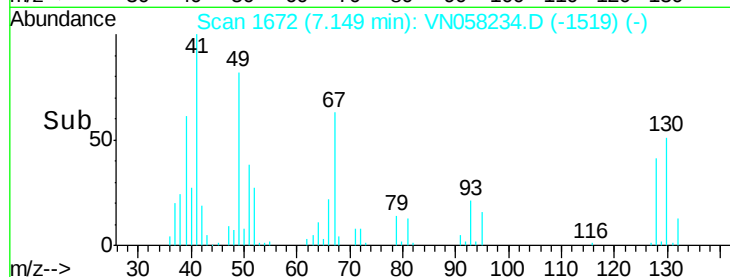
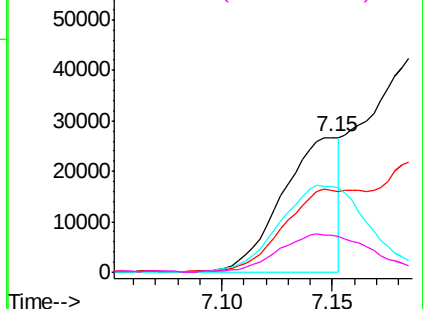
#35
Methacrylonitrile
Concen: 16.485 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:	41	Resp:	47713
Ion	Ratio	Lower	Upper
41	100		
39	60.3	29.8	89.5
67	63.5	30.0	90.1
52	27.3	13.9	41.6

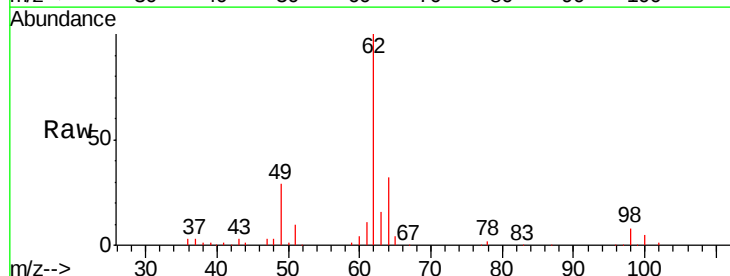


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

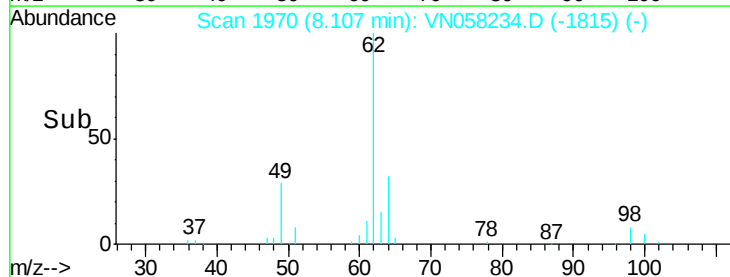
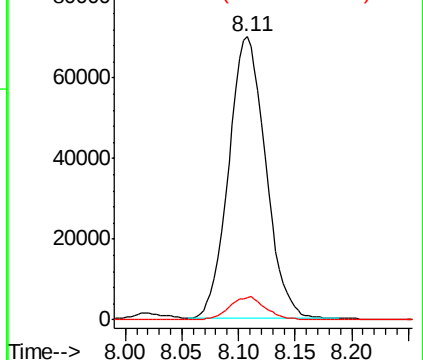


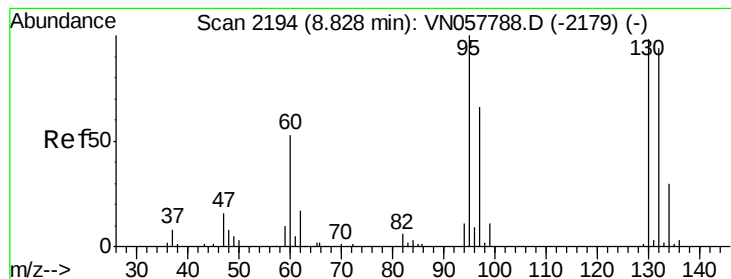
#36
1,2-Dichloroethane
Concen: 19.934 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion:	62	Resp:	158630
Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.6	9.8



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





#37

Trichloroethene

Concen: 19.983 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampled :

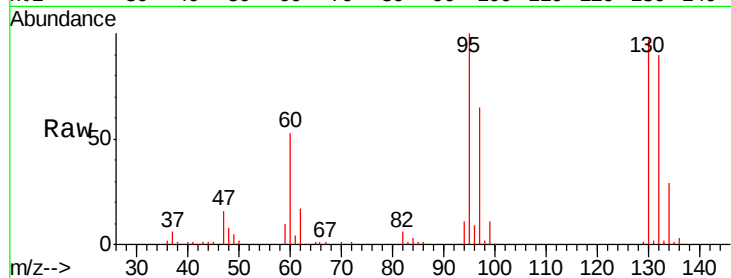
VSTDCCC020

Tgt Ion:130 Resp: 99529

Ion Ratio Lower Upper

130 100

95 103.5 81.9 122.9



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.82

60000

50000

40000

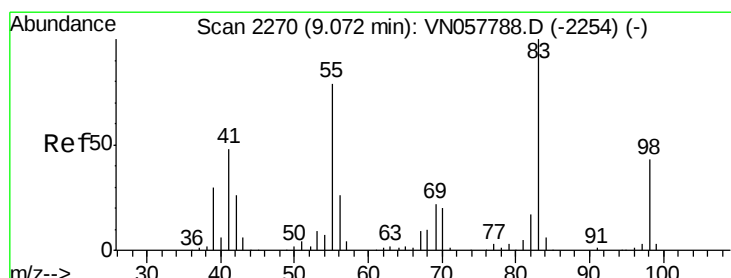
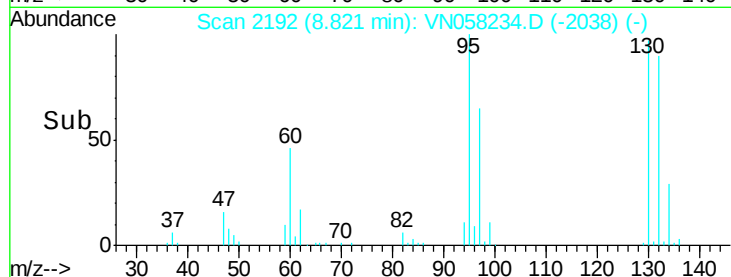
30000

20000

10000

0

Time-->



#38

Methylcyclohexane

Concen: 19.910 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

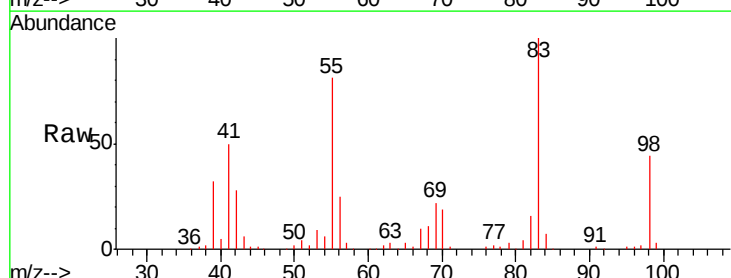
Tgt Ion: 83 Resp: 156901

Ion Ratio Lower Upper

83 100

55 78.6 39.6 118.7

98 44.6 21.8 65.4



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

100000

80000

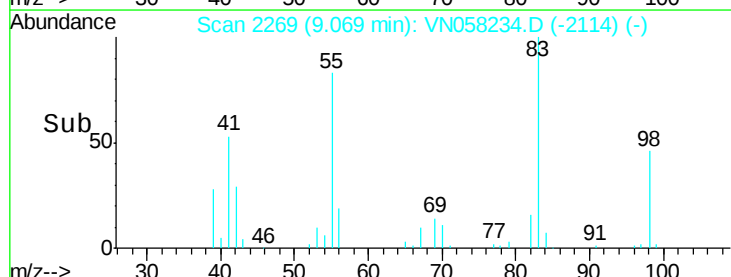
60000

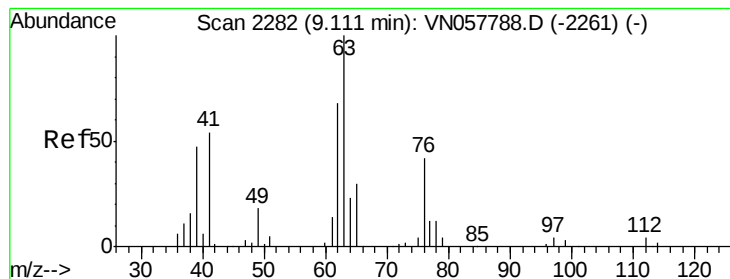
40000

20000

0

Time-->





#39

1,2-Dichloropropane

Concen: 20.061 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

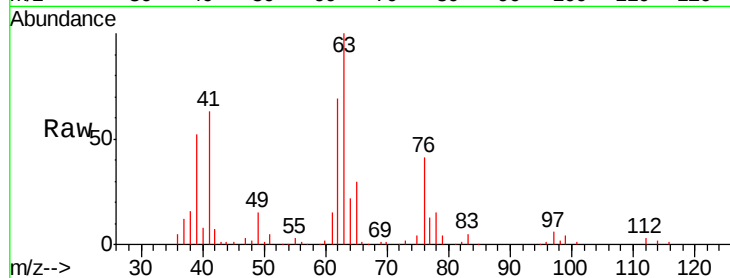
VSTDCCC020

Tgt Ion: 63 Resp: 11530

Ion Ratio Lower Upper

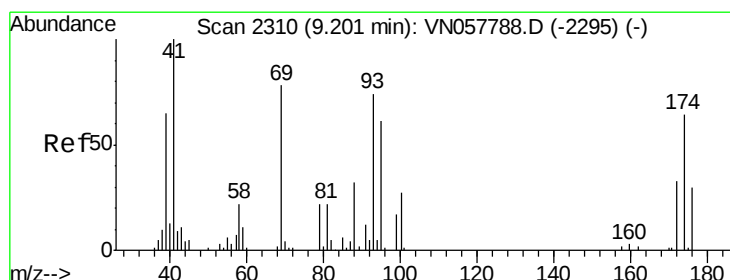
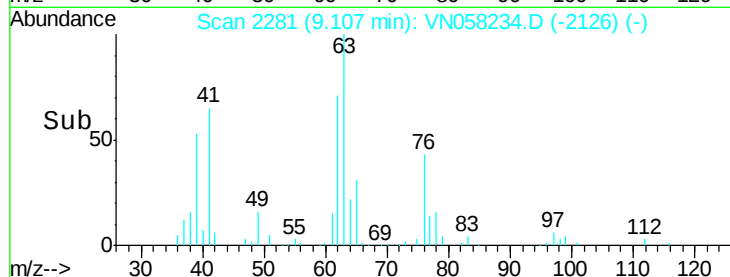
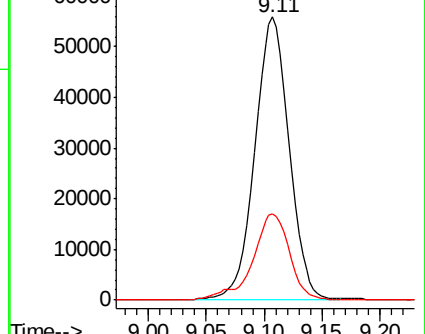
63 100

65 30.4 23.6 35.4



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.773 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

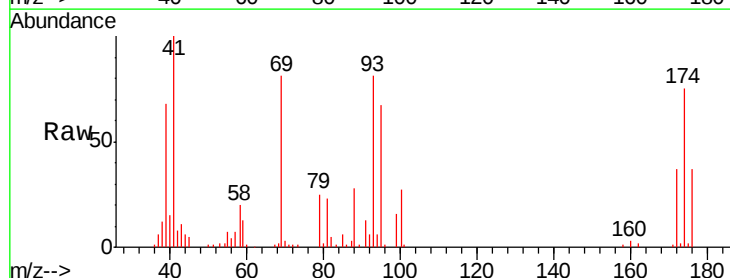
Tgt Ion: 93 Resp: 69261

Ion Ratio Lower Upper

93 100

95 84.7 0.0 163.0

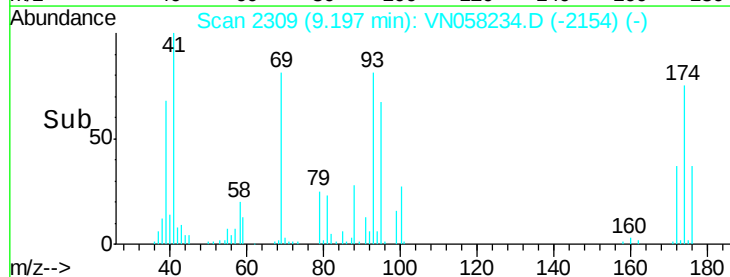
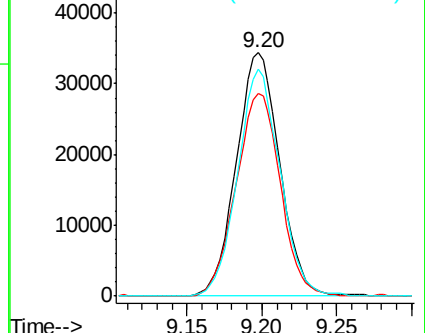
174 90.9 0.0 171.4

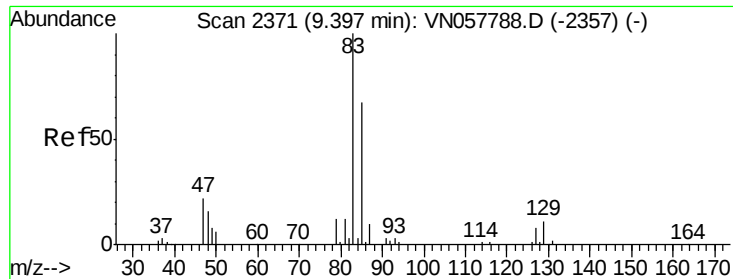


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

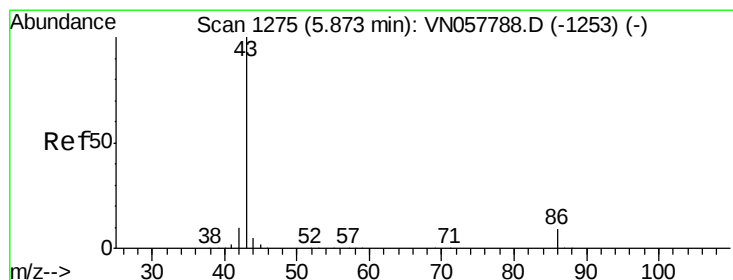
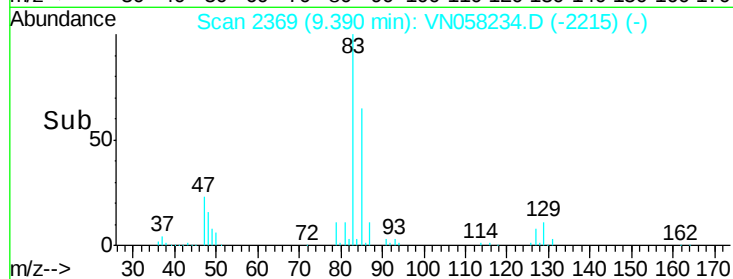
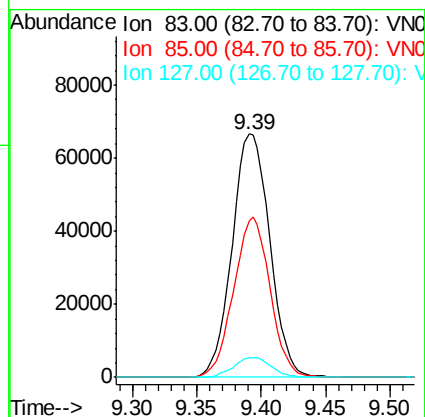
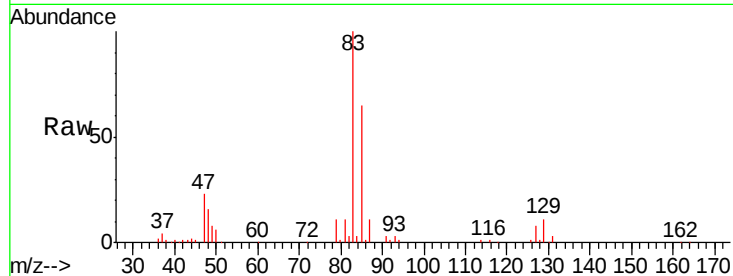




#41
 Bromodichloromethane
 Concen: 19.199 ug/l
 RT: 9.39 min Scan# 2369
 Delta R.T. -0.01 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

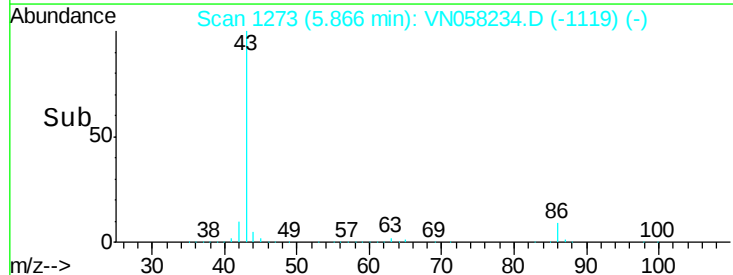
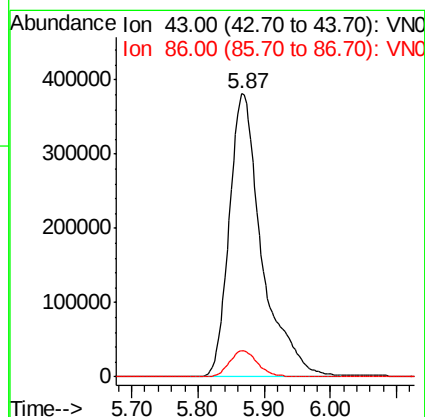
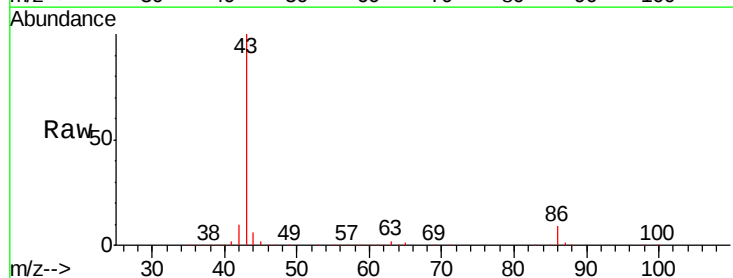
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

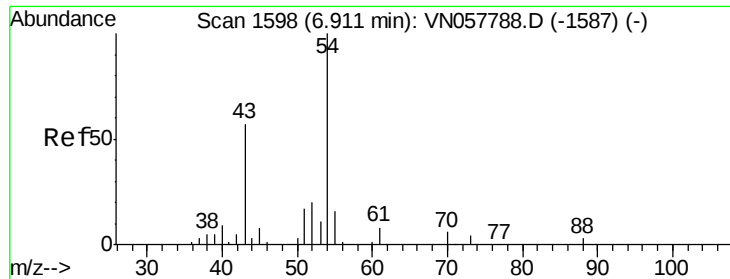
Tgt Ion: 83 Resp: 135577
 Ion Ratio Lower Upper
 83 100
 85 64.5 53.4 80.0
 127 7.9 6.6 10.0



#42
 Vinyl Acetate
 Concen: 104.017 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion: 43 Resp: 1304572
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.3 9.5





#43

Ethyl Acetate

Concen: 19.277 ug/l

RT: 6.90 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

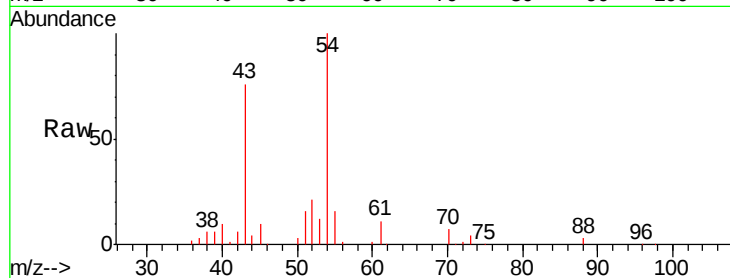
VSTDCCC020

Tgt Ion: 43 Resp: 122729

Ion Ratio Lower Upper

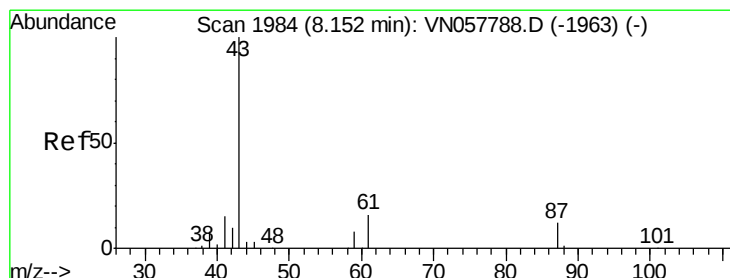
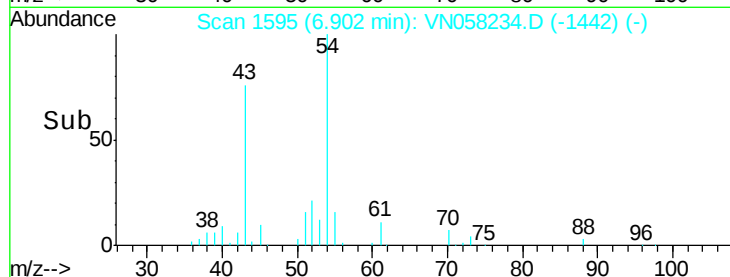
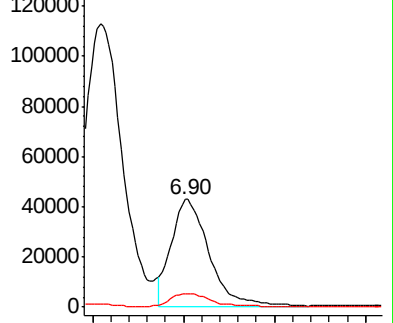
43 100

45 12.1 5.4 8.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 19.713 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VN058234.D

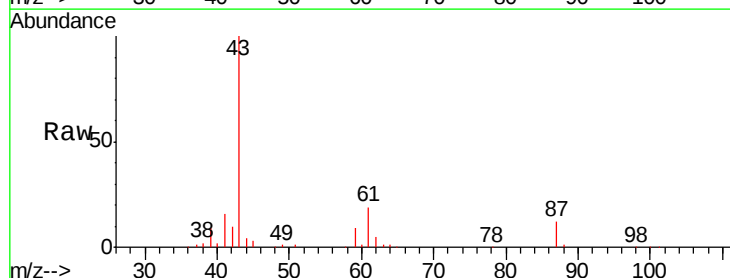
Acq: 20 Sep 2019 8:47

Tgt Ion: 43 Resp: 218824

Ion Ratio Lower Upper

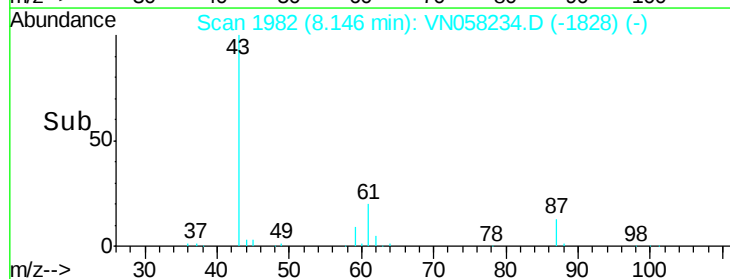
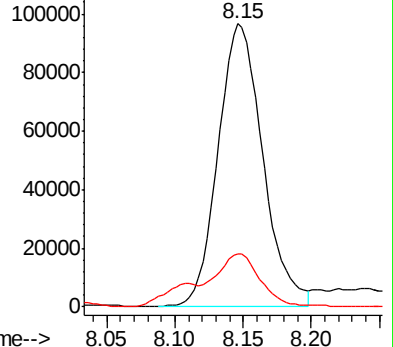
43 100

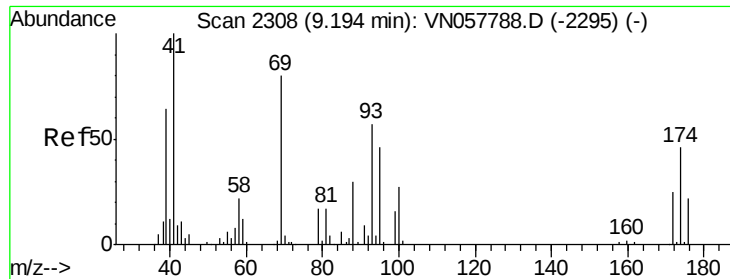
61 17.8 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

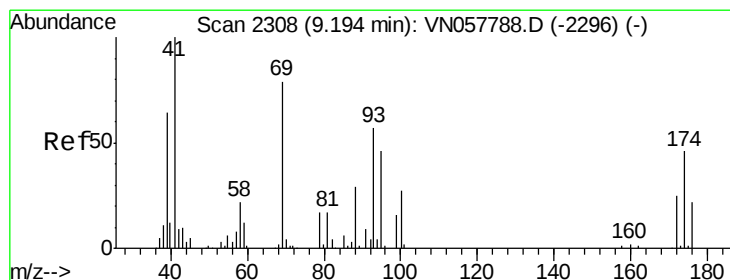
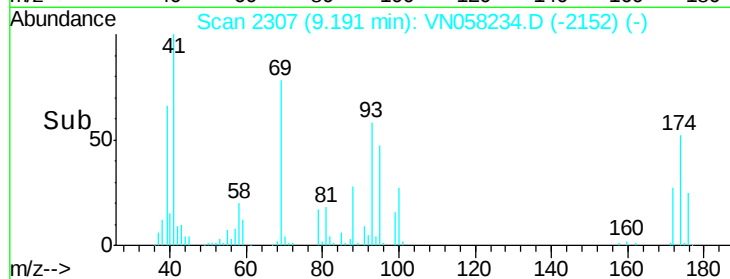
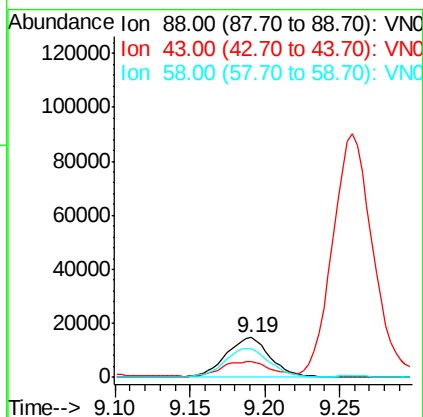
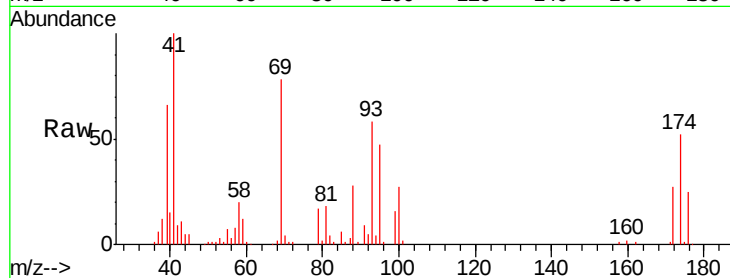




#45
 1,4-Dioxane
 Concen: 350.424 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

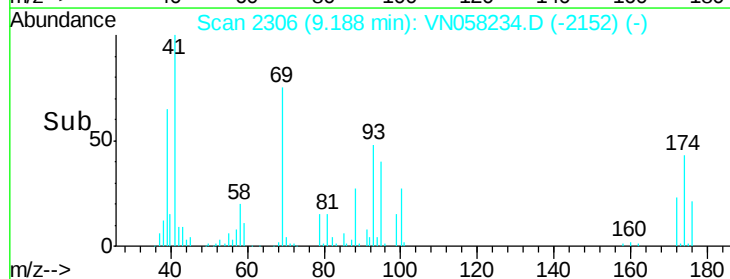
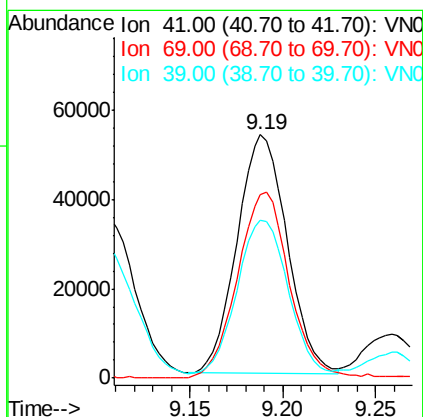
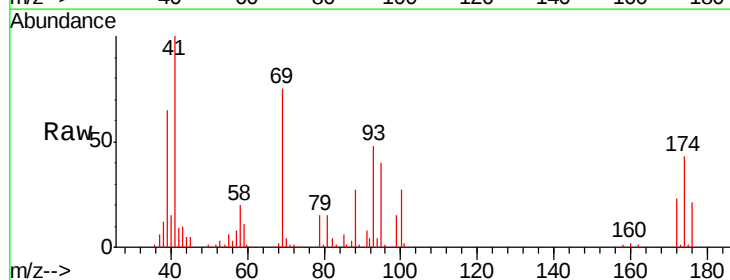
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

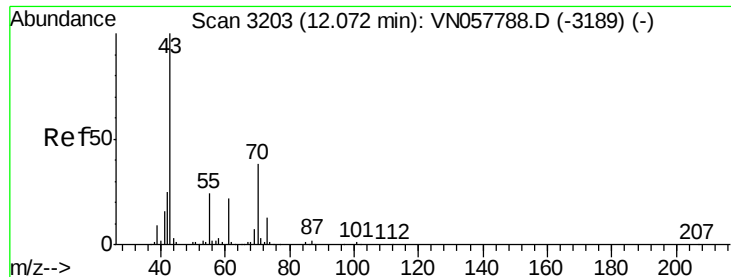
Tgt Ion: 88 Resp: 30567
 Ion Ratio Lower Upper
 88 100
 43 39.8 28.2 42.4
 58 73.5 58.5 87.7



#46
 Methyl methacrylate
 Concen: 18.641 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.01 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion: 41 Resp: 101083
 Ion Ratio Lower Upper
 41 100
 69 76.4 39.6 119.0
 39 64.5 31.9 95.7

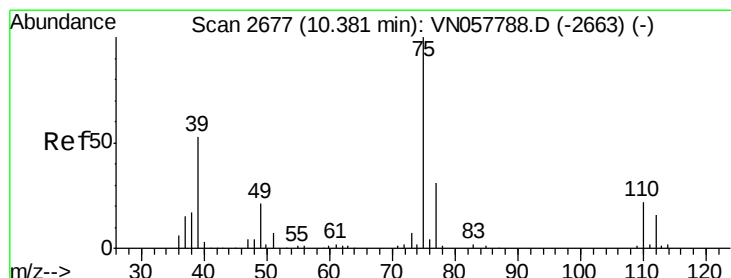
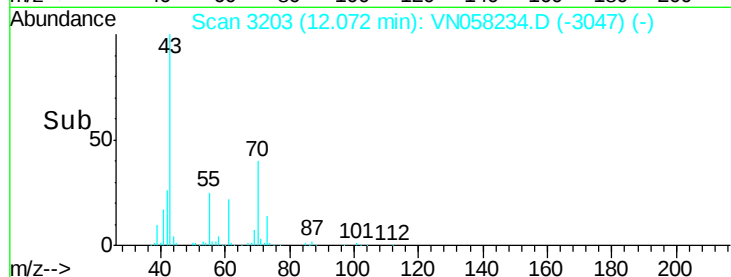
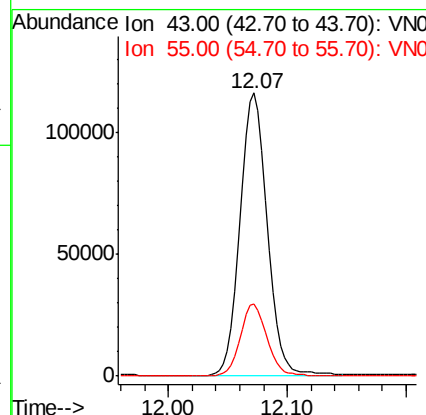
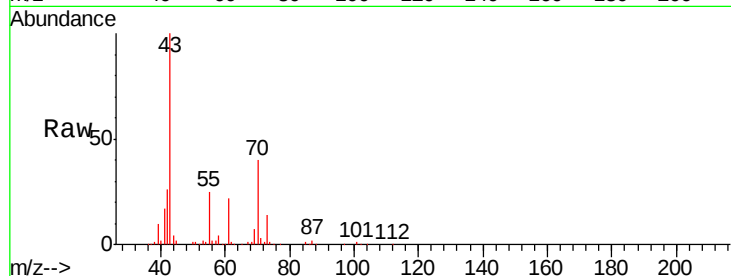




#47
n-amyl Acetate
Concen: 18.067 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

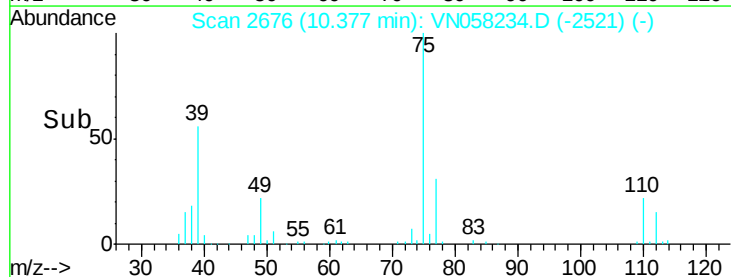
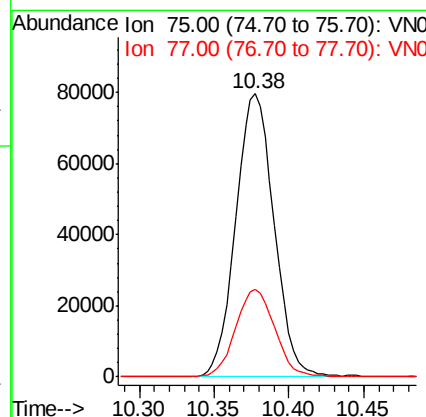
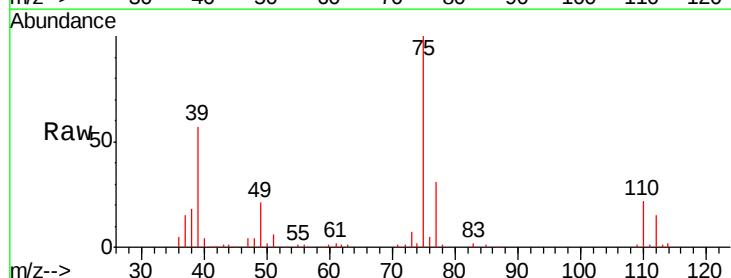
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

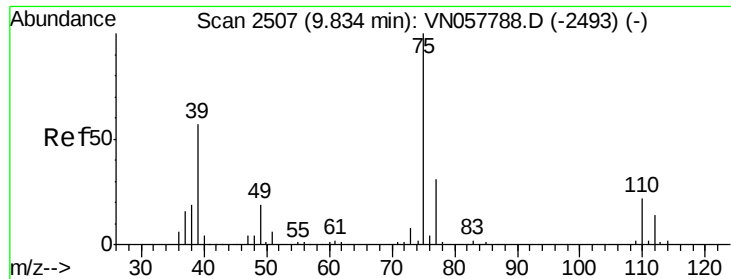
Tgt Ion: 43 Resp: 184232
Ion Ratio Lower Upper
43 100
55 25.1 18.3 27.5



#48
t-1,3-Dichloropropene
Concen: 18.873 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion: 75 Resp: 141886
Ion Ratio Lower Upper
75 100
77 30.9 24.9 37.3

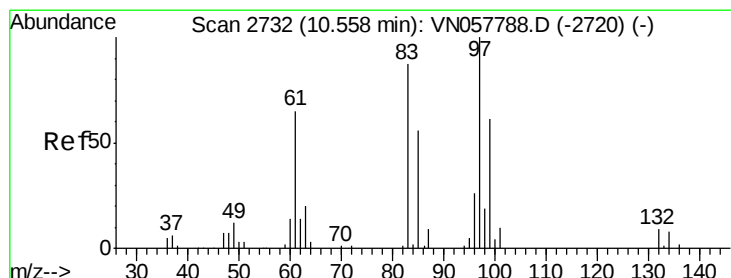
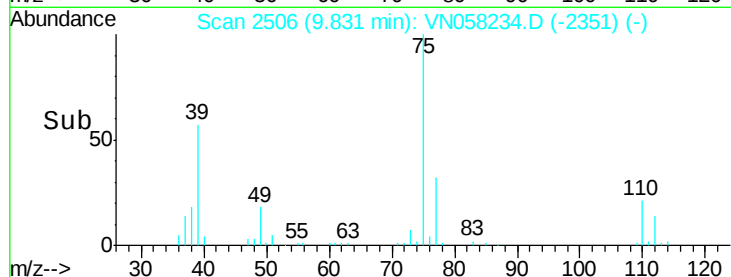
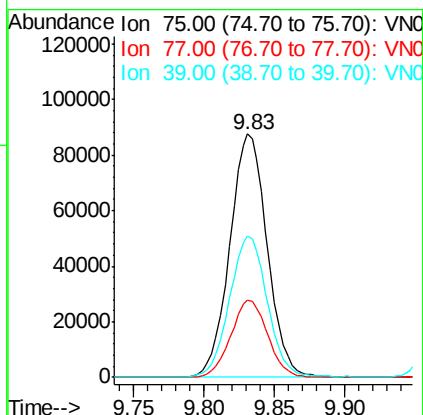
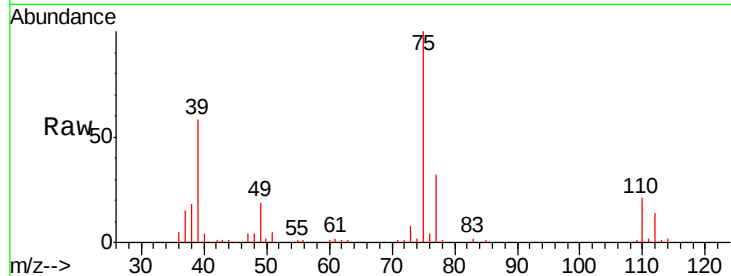




#49
 cis-1,3-Dichloropropene
 Concen: 19.254 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

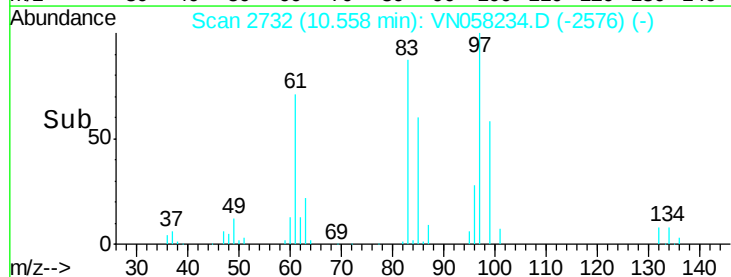
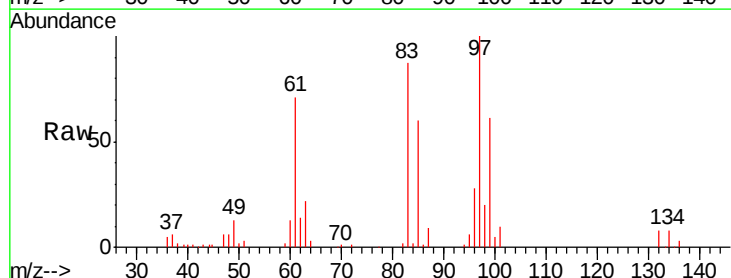
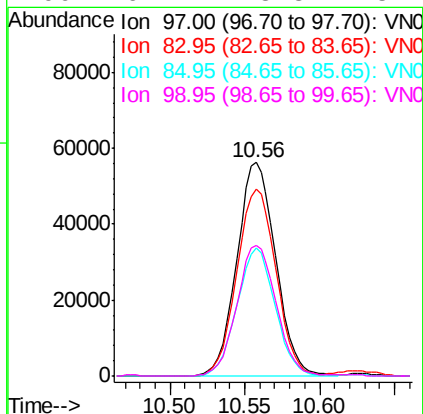
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

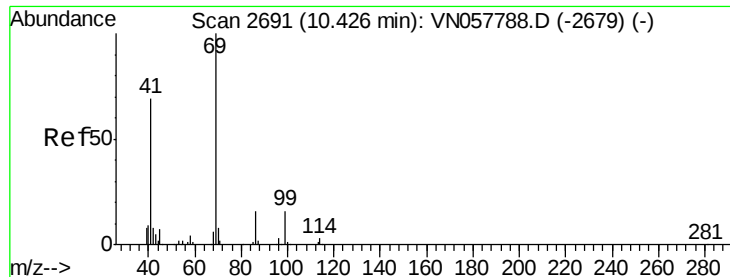
Tgt Ion: 75 Resp: 162406
 Ion Ratio Lower Upper
 75 100
 77 31.9 24.6 36.8
 39 57.5 45.8 68.8



#50
 1,1,2-Trichloroethane
 Concen: 20.024 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion: 97 Resp: 101737
 Ion Ratio Lower Upper
 97 100
 83 87.3 69.4 104.2
 85 60.0 45.0 67.6
 99 61.1 48.8 73.2





#51

Ethyl methacrylate

Concen: 18.774 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

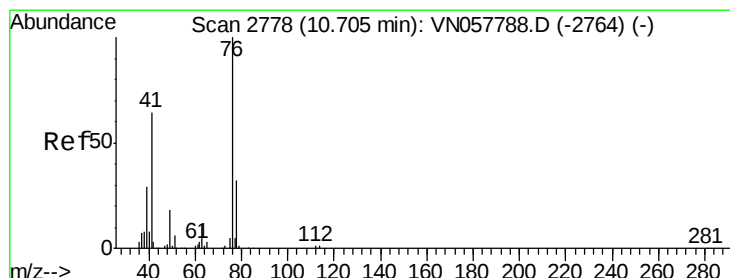
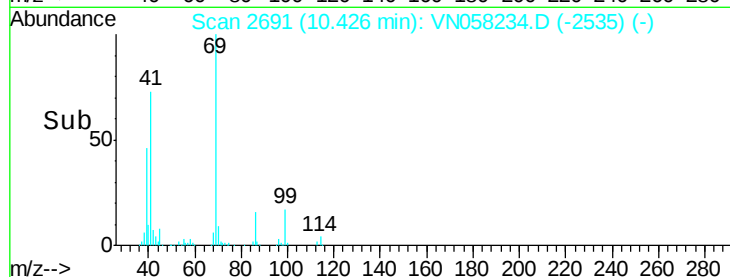
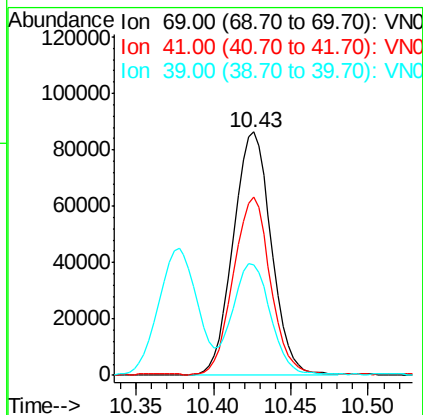
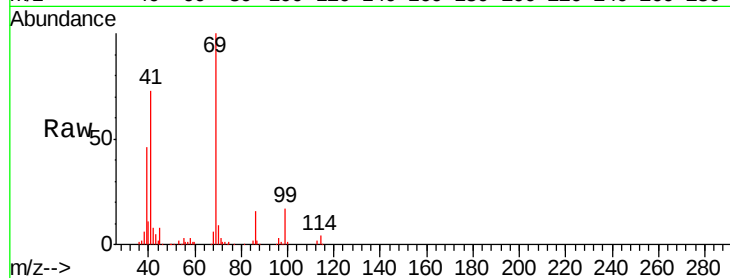
Tgt Ion: 69 Resp: 147897

Ion Ratio Lower Upper

69 100

41 73.0 34.5 103.5

39 45.0 22.4 67.3



#52

1,3-Dichloropropane

Concen: 19.787 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058234.D

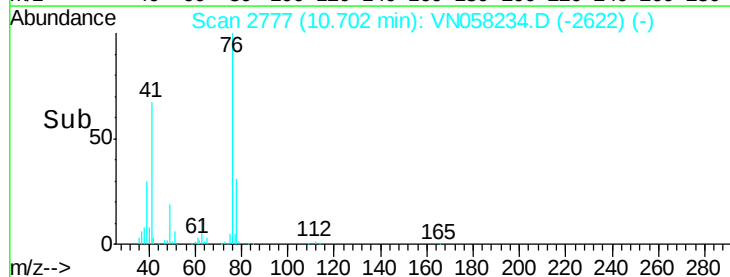
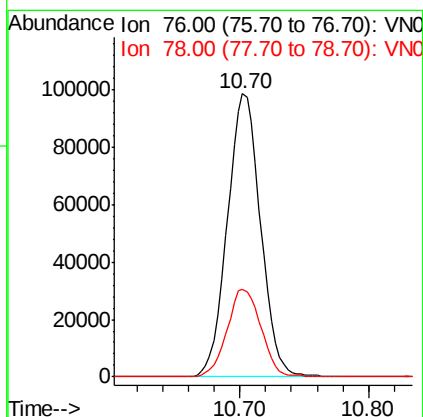
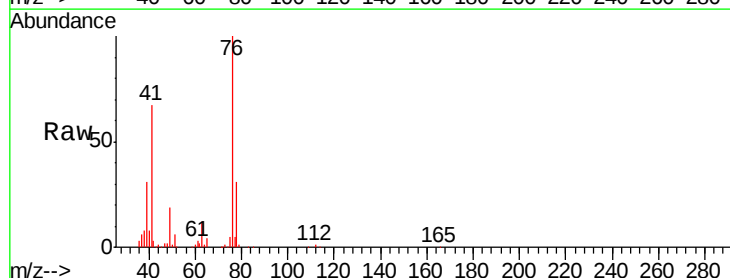
Acq: 20 Sep 2019 8:47

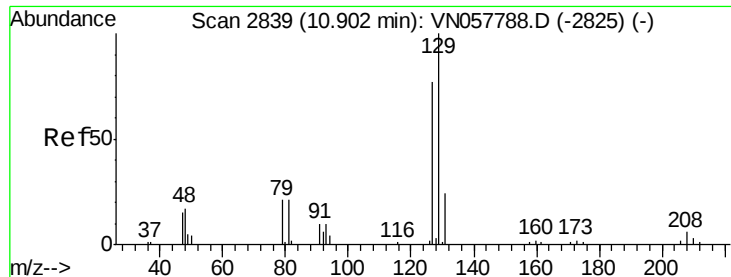
Tgt Ion: 76 Resp: 175811

Ion Ratio Lower Upper

76 100

78 31.8 0.0 63.8





#53

Dibromochloromethane

Concen: 18.839 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

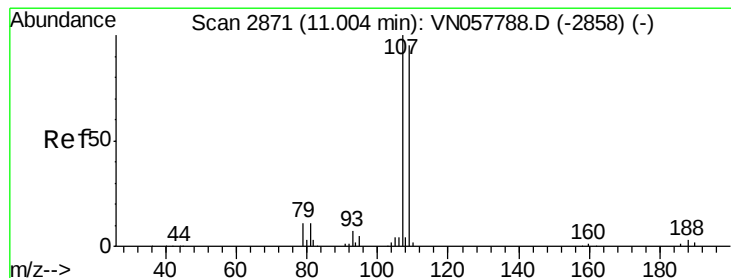
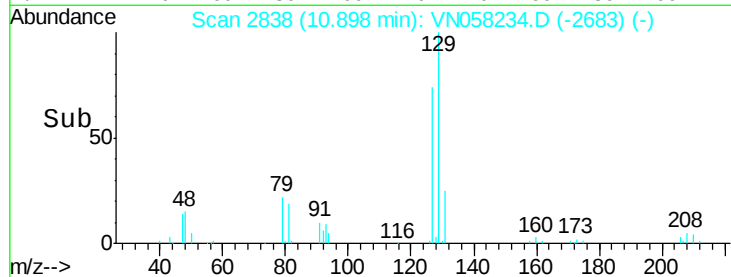
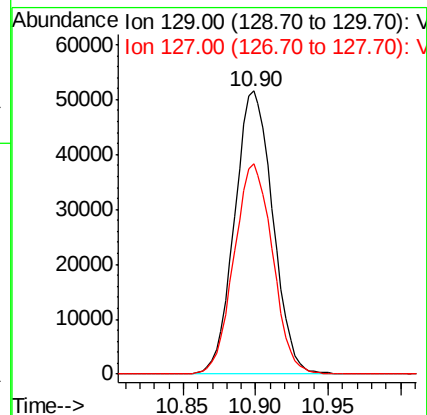
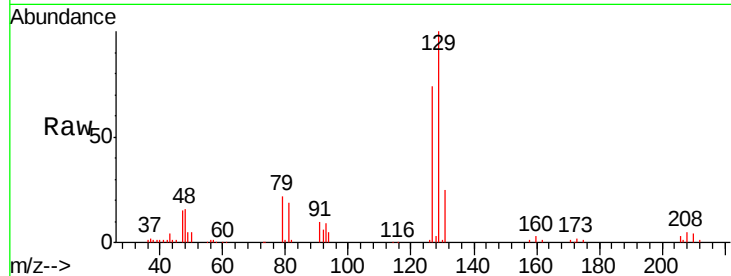
VSTDCCC020

Tgt Ion:129 Resp: 94529

Ion Ratio Lower Upper

129 100

127 74.8 38.8 116.3



#54

1,2-Dibromoethane

Concen: 19.401 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN058234.D

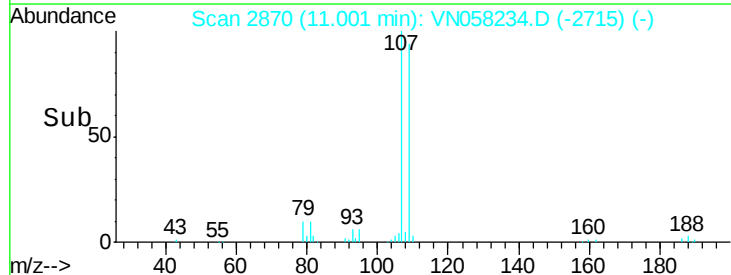
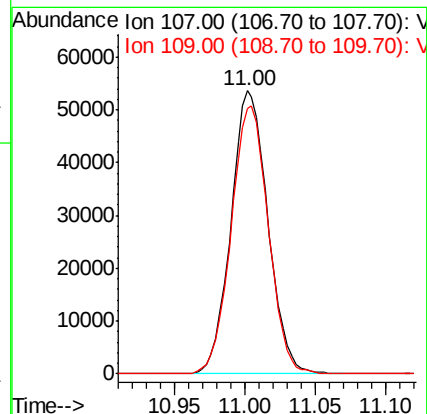
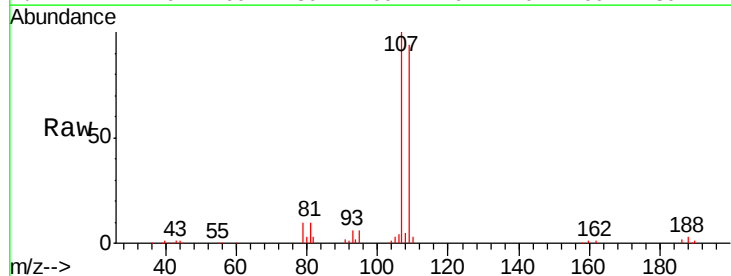
Acq: 20 Sep 2019 8:47

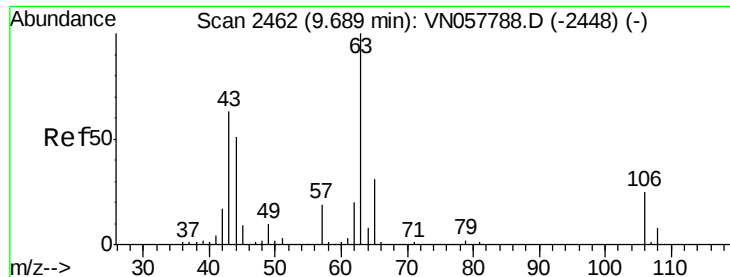
Tgt Ion:107 Resp: 98073

Ion Ratio Lower Upper

107 100

109 95.1 75.4 113.0

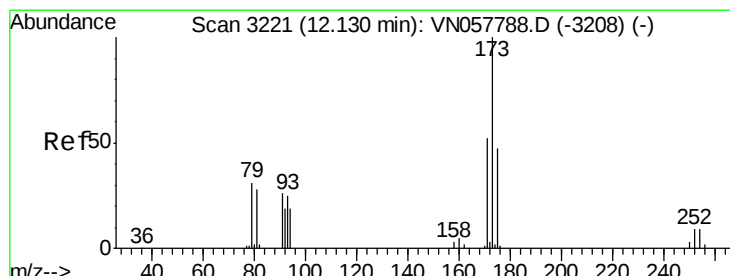
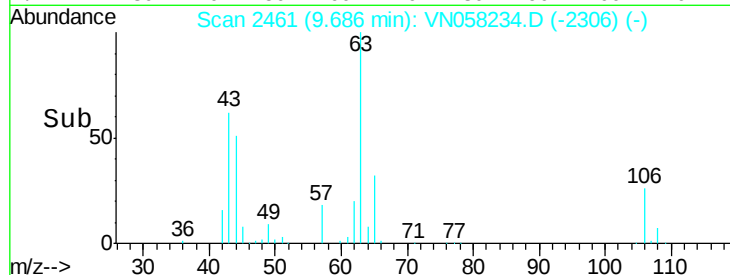
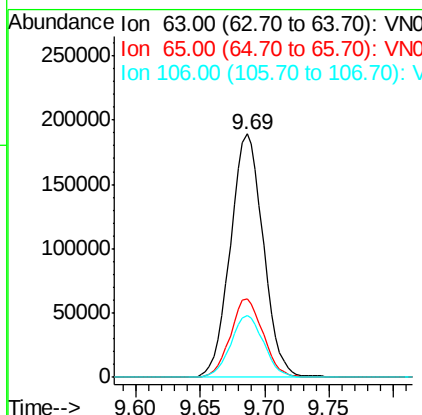
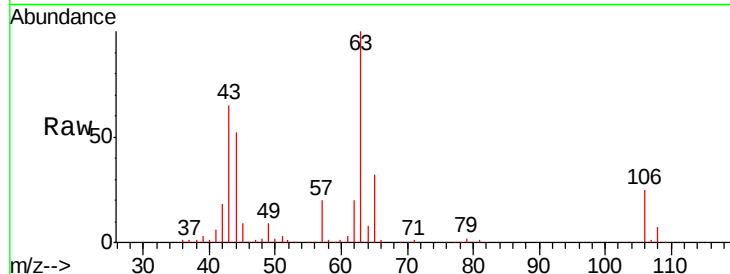




#55
2-Chloroethyl vinyl ether
Concen: 89.582 ug/l
RT: 9.69 min Scan# 2461
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

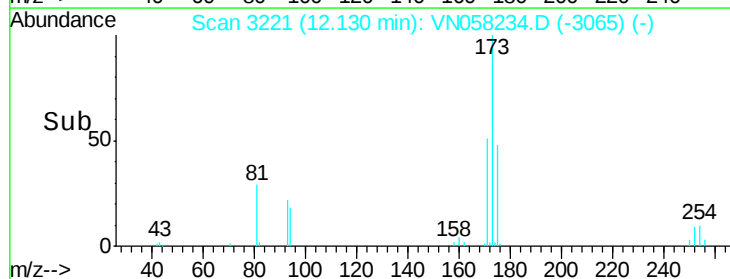
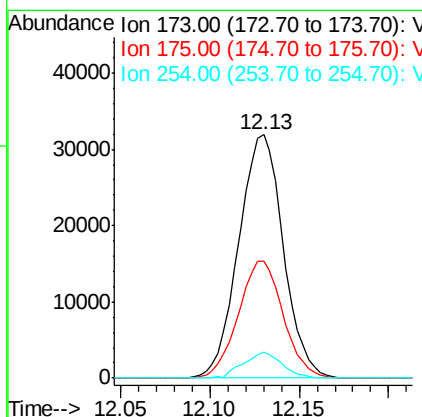
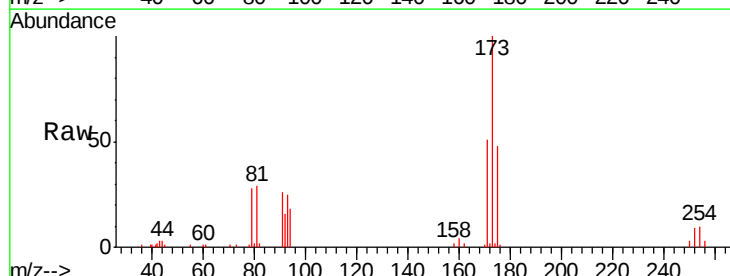
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

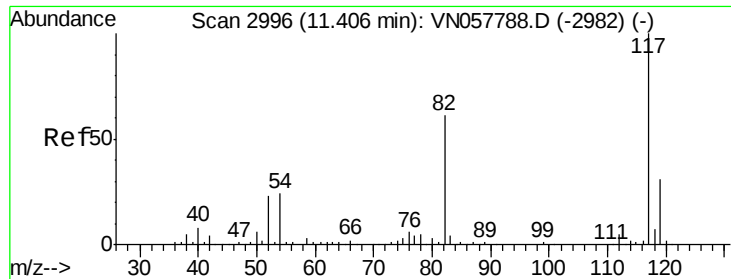
Tgt Ion: 63 Resp: 335339
Ion Ratio Lower Upper
63 100
65 32.0 25.0 37.6
106 25.5 19.8 29.8



#56
Bromoform
Concen: 17.868 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion: 173 Resp: 55543
Ion Ratio Lower Upper
173 100
175 48.3 38.4 57.6
254 9.2 6.9 10.3

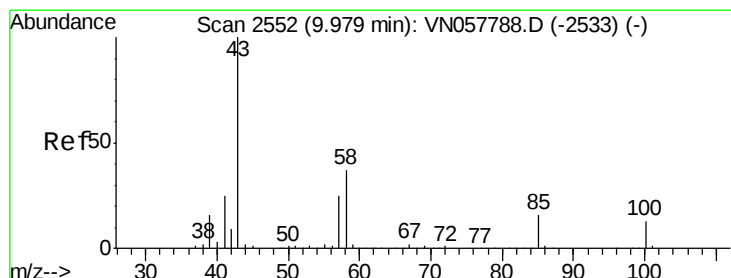
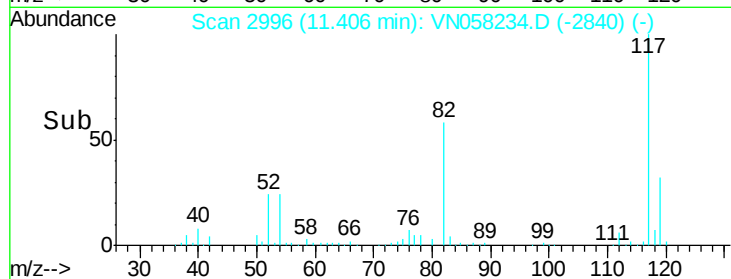
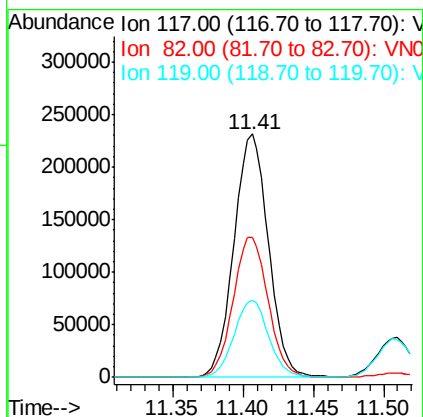
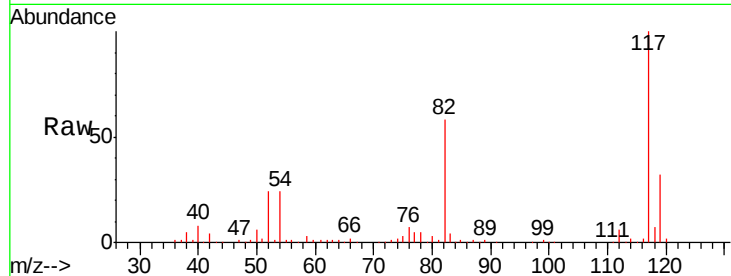




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

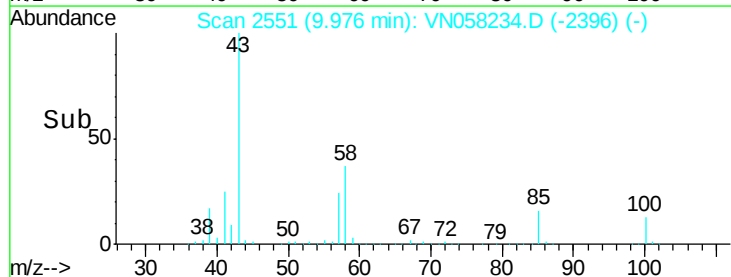
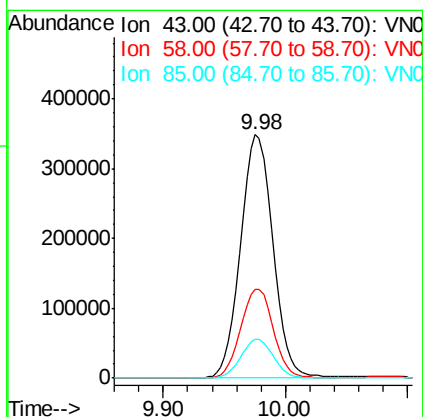
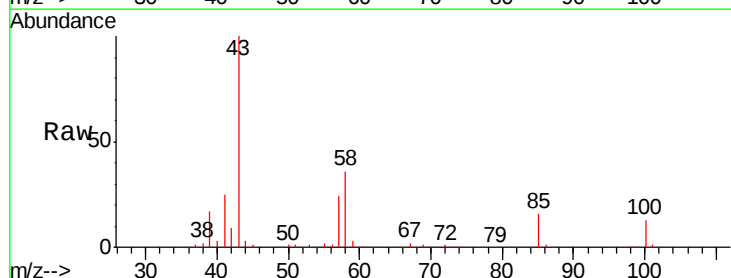
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

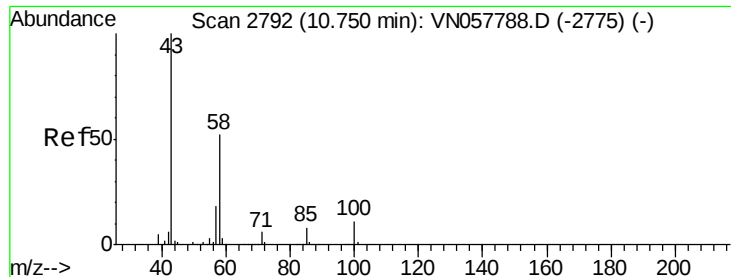
Tgt Ion: 117 Resp: 397348
Ion Ratio Lower Upper
117 100
82 58.5 47.6 71.4
119 31.7 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 103.150 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion: 43 Resp: 635610
Ion Ratio Lower Upper
43 100
58 37.1 29.4 44.0
85 16.0 12.9 19.3

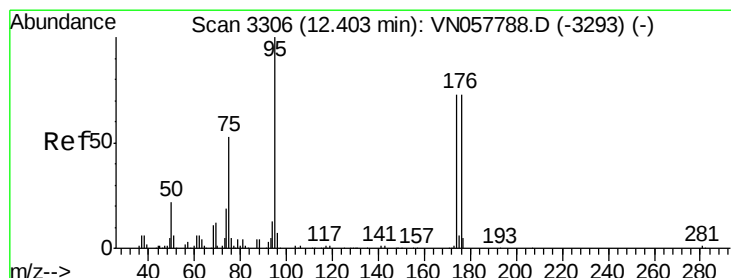
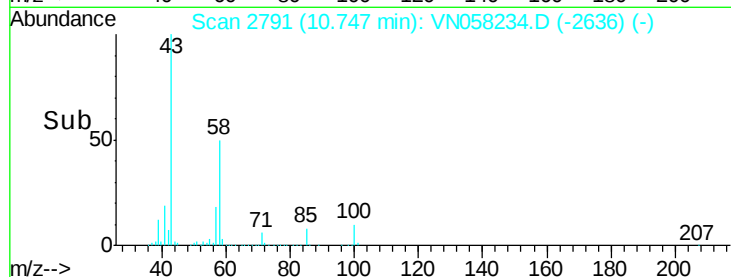
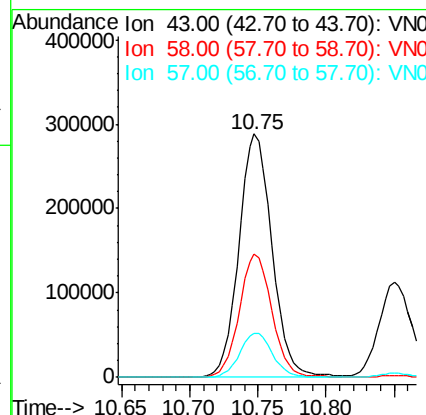
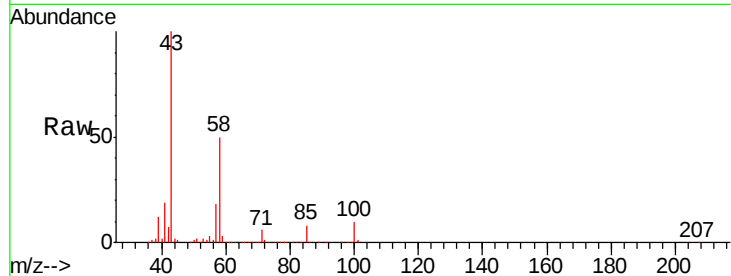




#59
2-Hexanone
Concen: 104.675 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

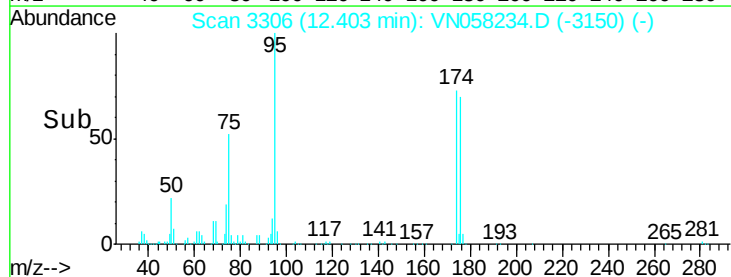
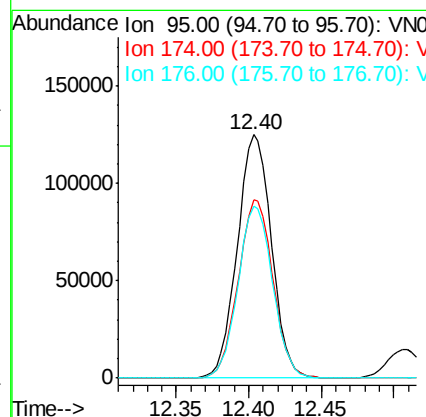
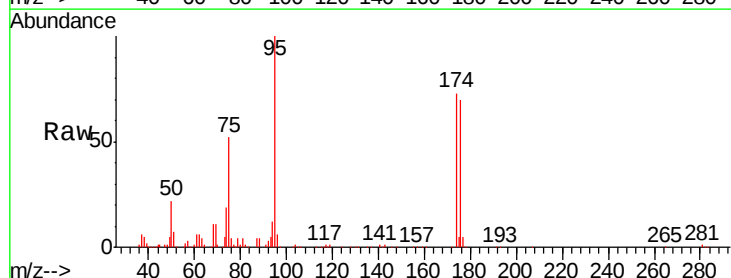
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

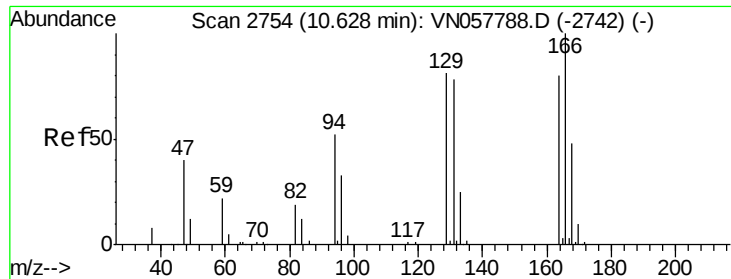
Tgt Ion	Ratio	Lower	Upper
43	100		
58	50.4	40.6	61.0
57	18.2	14.5	21.7



#60
4-Bromofluorobenzene
Concen: 30.111 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	59.4	89.0
176	71.5	57.4	86.0





#61

Tetrachloroethene

Concen: 19.940 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:164 Resp: 80555

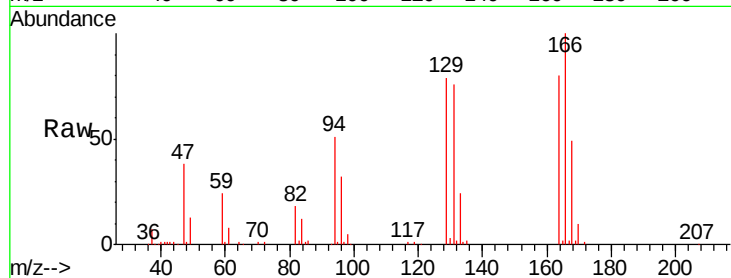
Ion Ratio Lower Upper

164 100

166 124.3 99.6 149.4

129 97.6 80.9 121.3

131 94.2 77.2 115.8

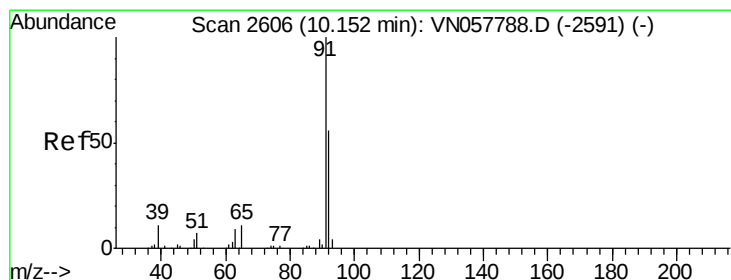
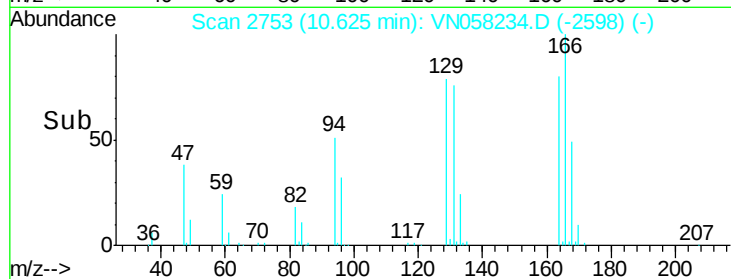
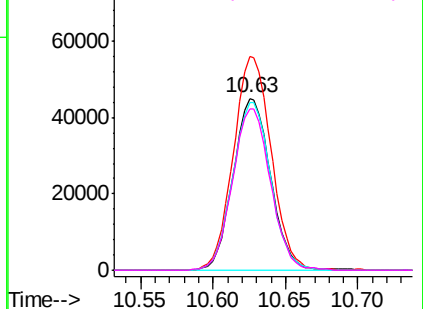


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.264 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058234.D

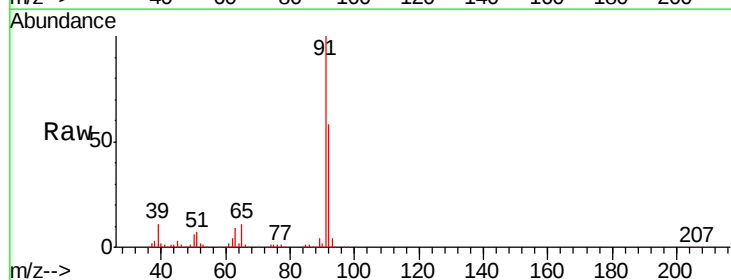
Acq: 20 Sep 2019 8:47

Tgt Ion: 91 Resp: 445844

Ion Ratio Lower Upper

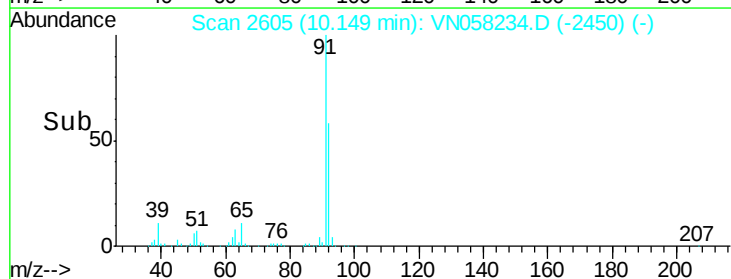
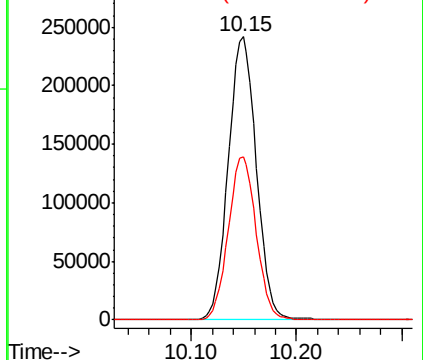
91 100

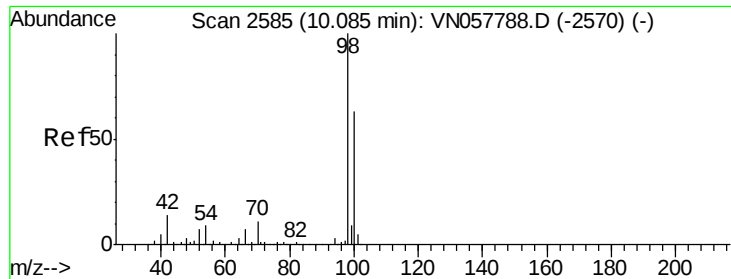
92 57.1 44.9 67.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 29.568 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

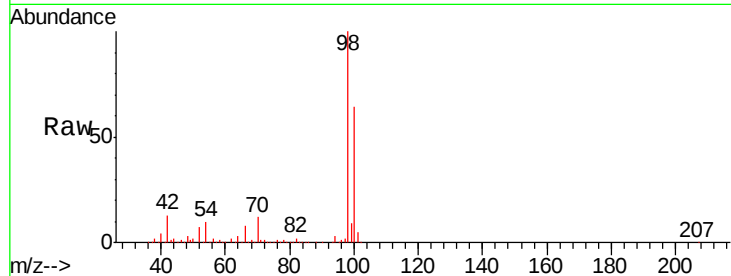
VSTDCCC020

Tgt Ion: 98 Resp: 563920

Ion Ratio Lower Upper

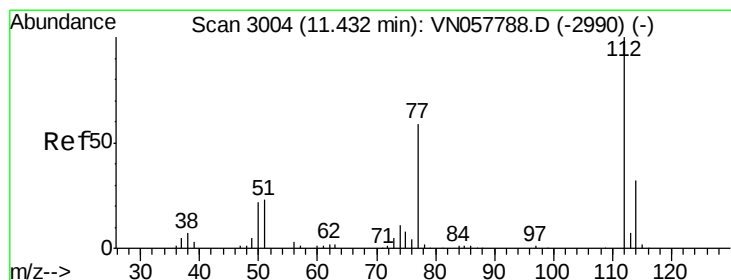
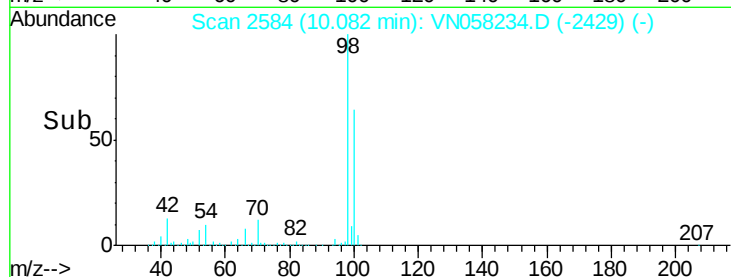
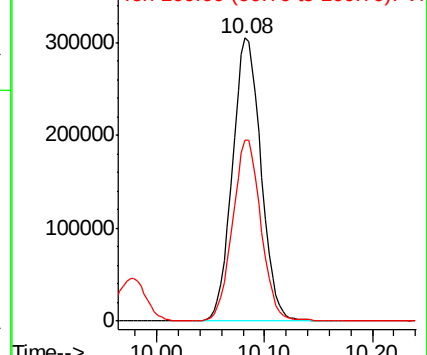
98 100

100 63.2 50.3 75.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 19.781 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058234.D

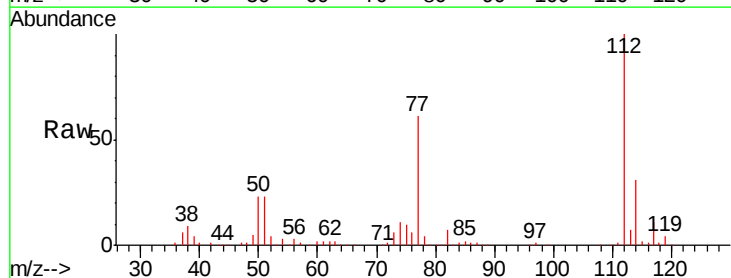
Acq: 20 Sep 2019 8:47

Tgt Ion: 112 Resp: 269975

Ion Ratio Lower Upper

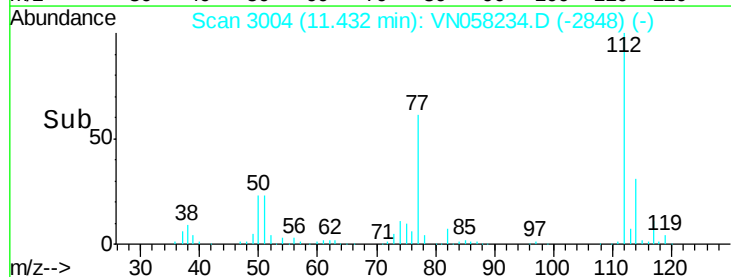
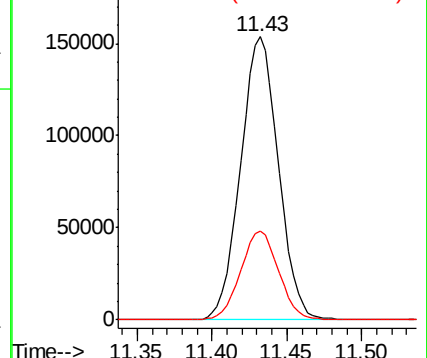
112 100

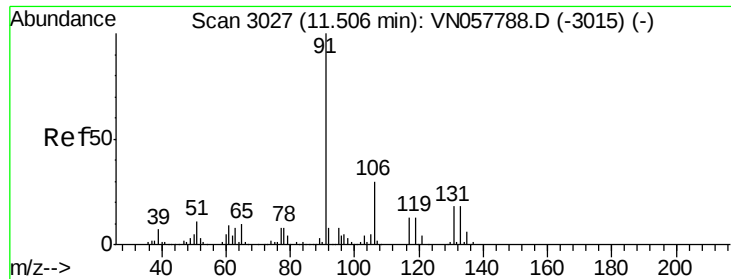
114 31.5 25.4 38.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 19.766 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

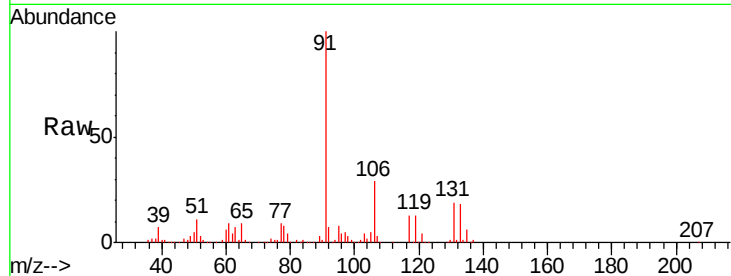
Tgt Ion: 131 Resp: 93667

Ion Ratio Lower Upper

131 100

133 94.9 0.0 189.2

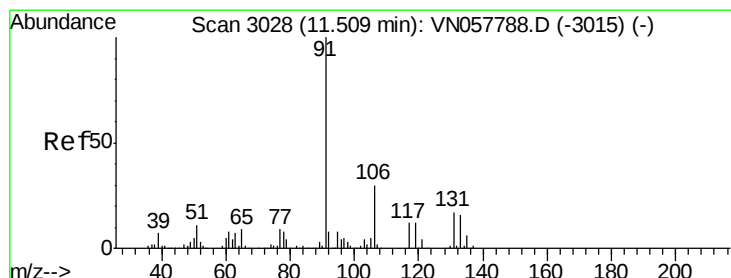
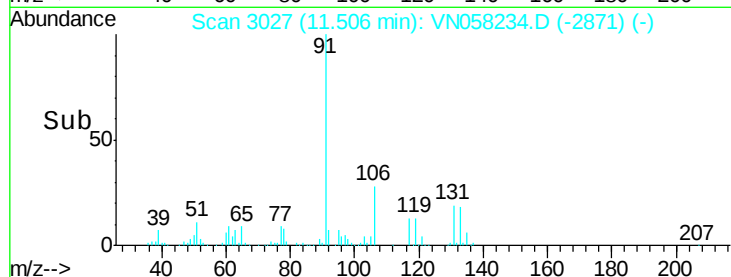
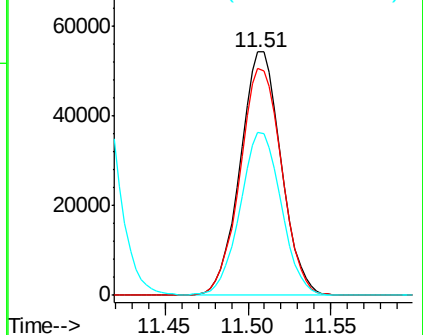
119 67.0 0.0 136.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.604 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058234.D

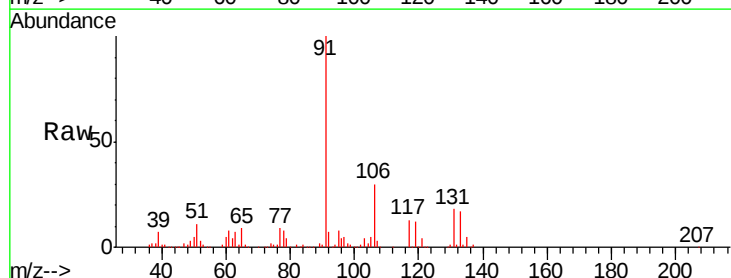
Acq: 20 Sep 2019 8:47

Tgt Ion: 91 Resp: 494741

Ion Ratio Lower Upper

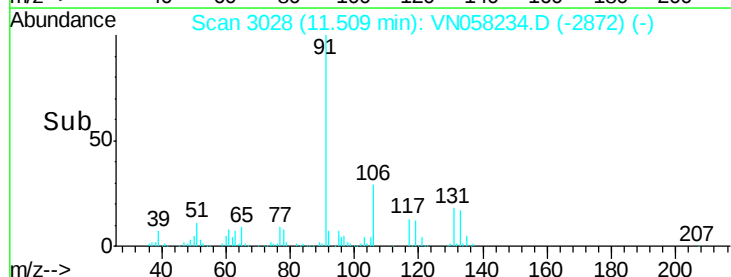
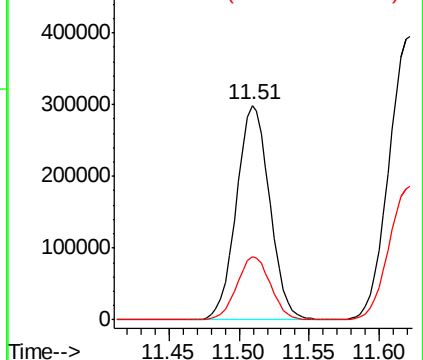
91 100

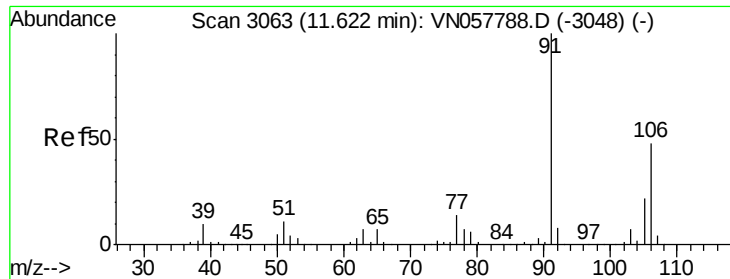
106 29.6 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

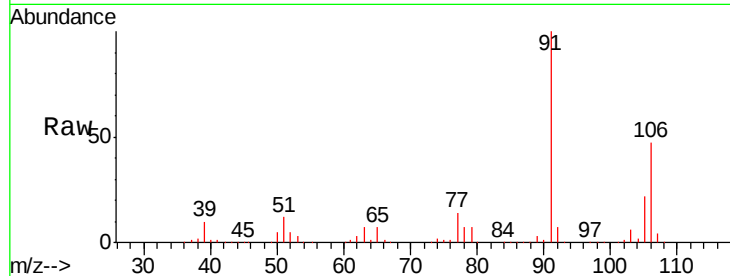




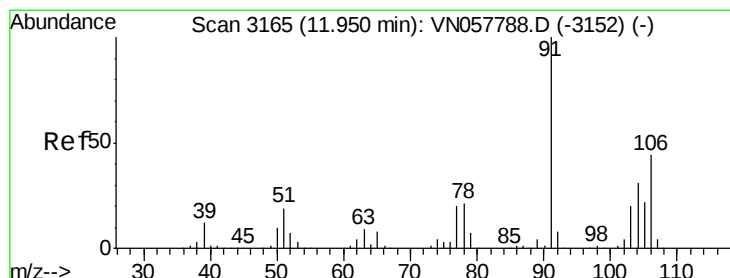
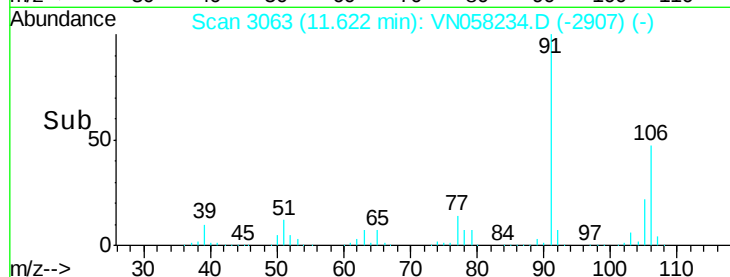
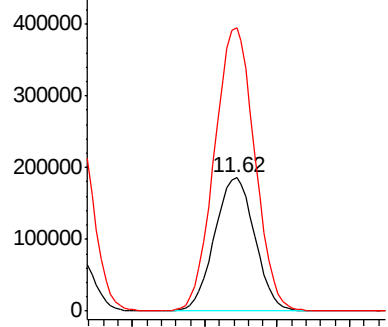
#67
m/p-Xylenes
Concen: 39.252 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 359741
Ion Ratio Lower Upper
106 100
91 211.9 166.1 249.1

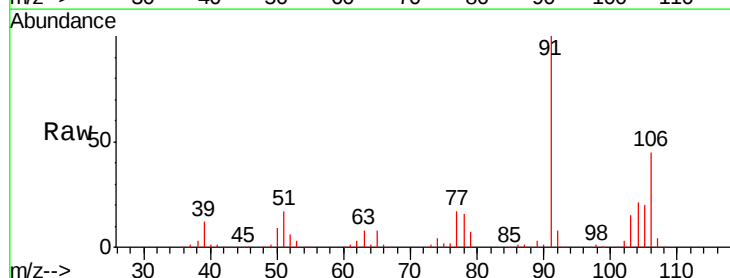


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

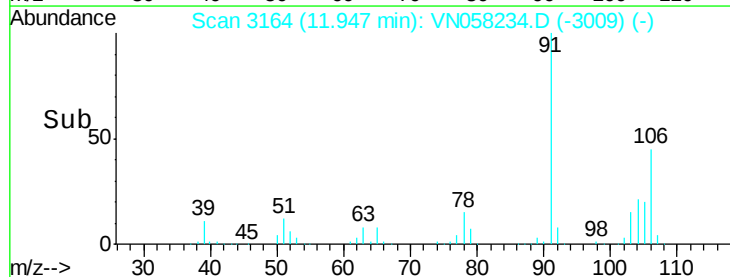
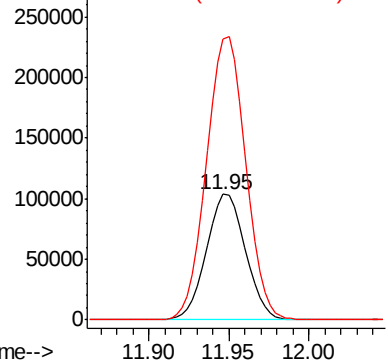


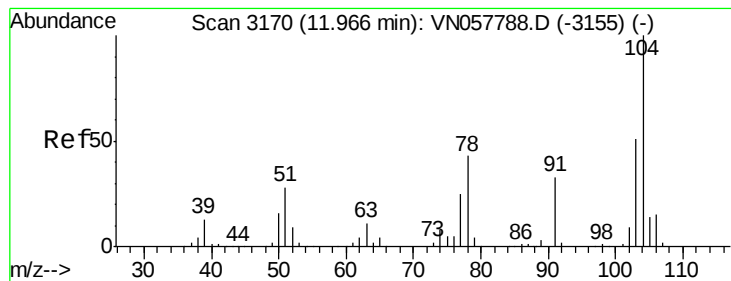
#68
o-Xylene
Concen: 19.207 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion:106 Resp: 172455
Ion Ratio Lower Upper
106 100
91 225.9 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#69

Styrene

Concen: 19.523 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

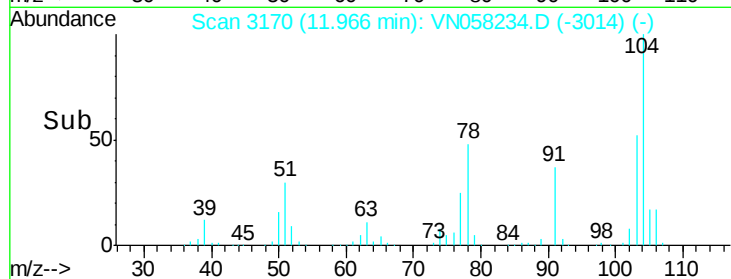
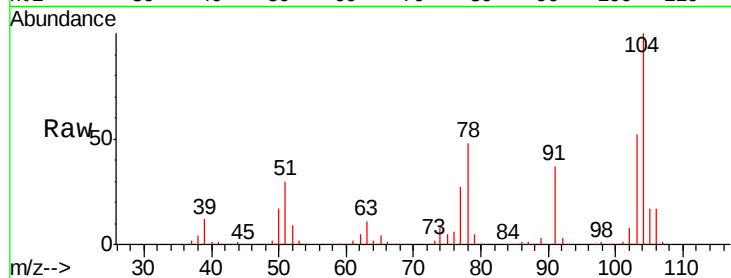
Tgt Ion:104 Resp: 298859

Ion Ratio Lower Upper

104 100

78 53.2 41.5 62.3

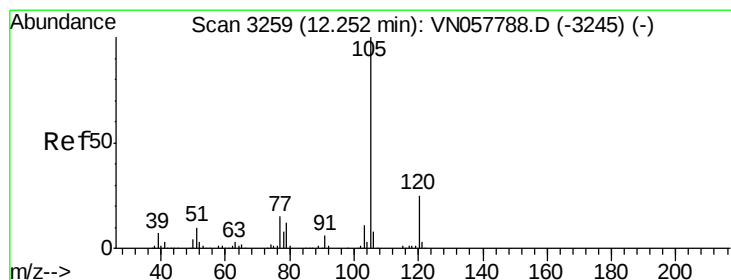
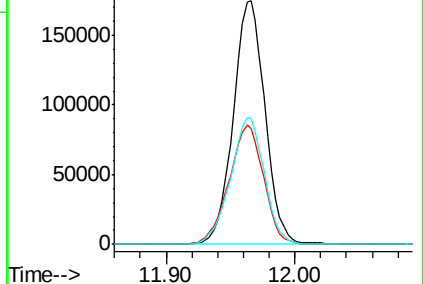
103 55.5 44.8 67.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 20.634 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058234.D

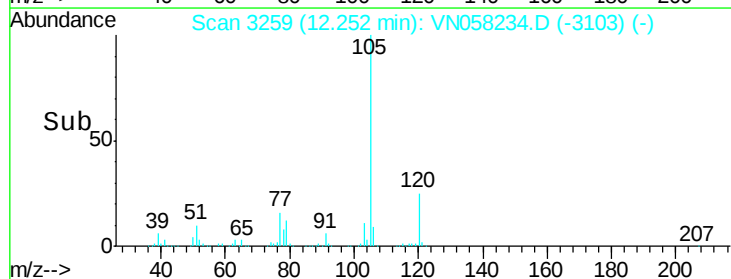
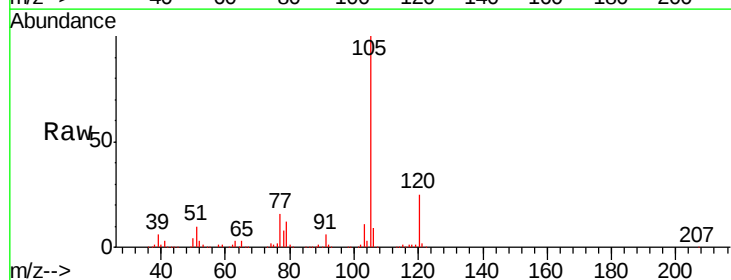
Acq: 20 Sep 2019 8:47

Tgt Ion:105 Resp: 489779

Ion Ratio Lower Upper

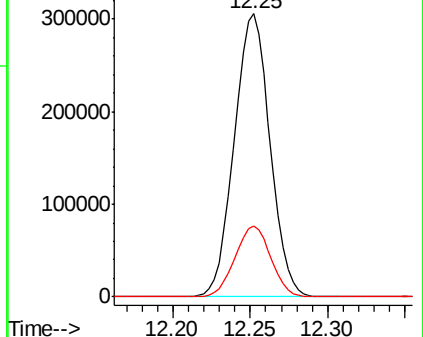
105 100

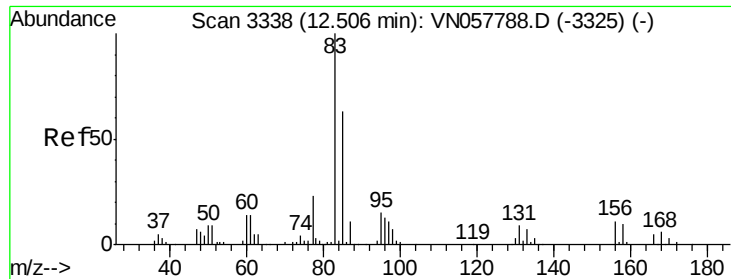
120 25.1 17.6 32.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

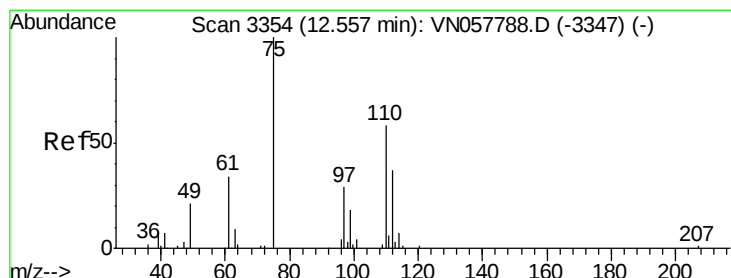
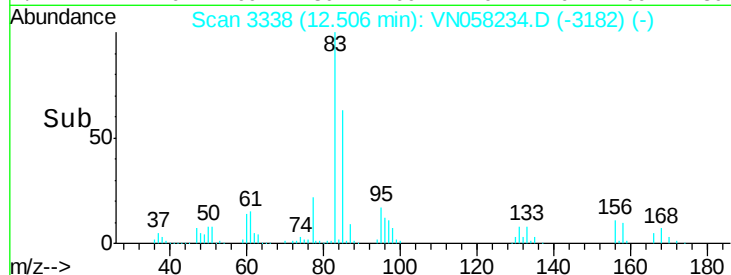
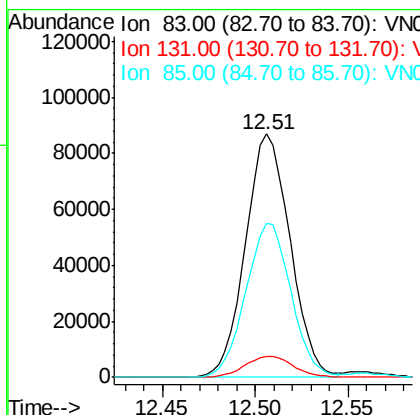
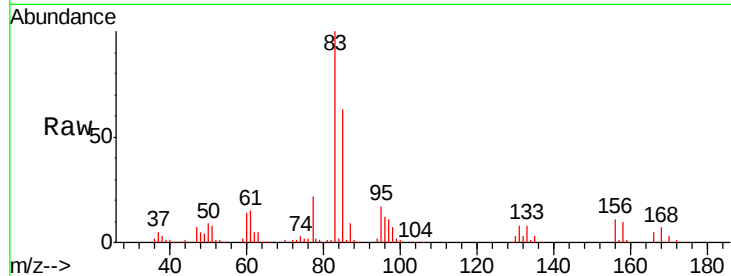




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.606 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

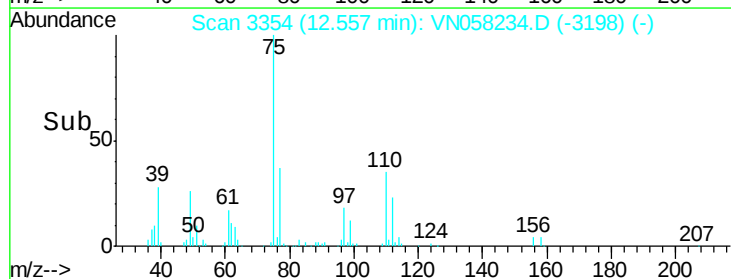
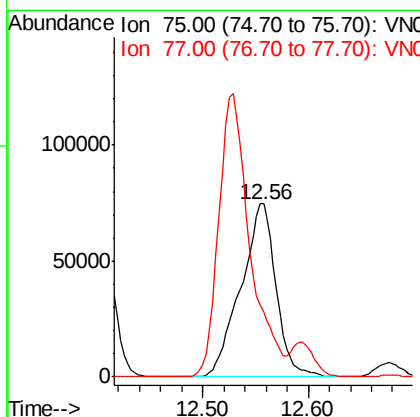
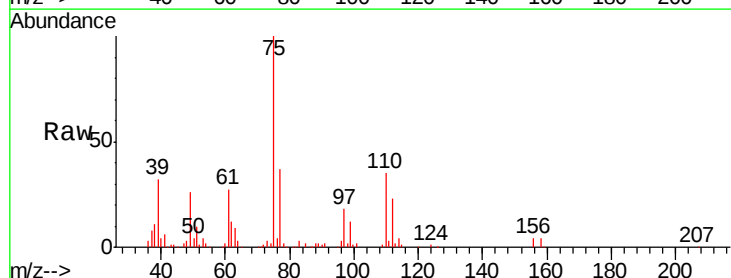
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

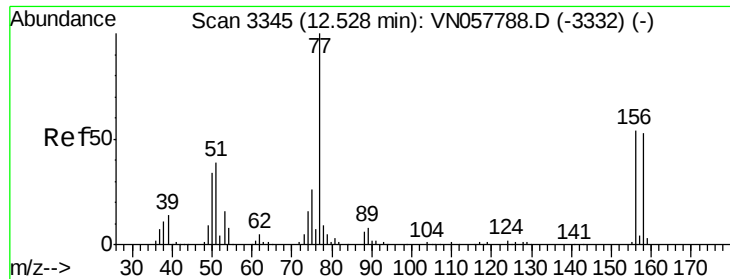
Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.9	14.6
85	64.1	32.1	96.3



#72
 1,2,3-Trichloropropane
 Concen: 26.409 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	143.8	0.0	351.6





#73

Bromobenzene

Concen: 19.816 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

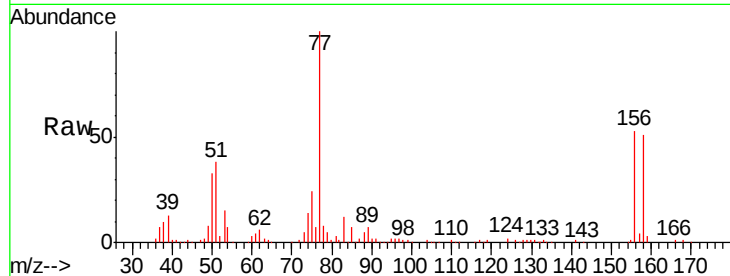
Tgt Ion:156 Resp: 112612

Ion Ratio Lower Upper

156 100

77 222.1 0.0 446.6

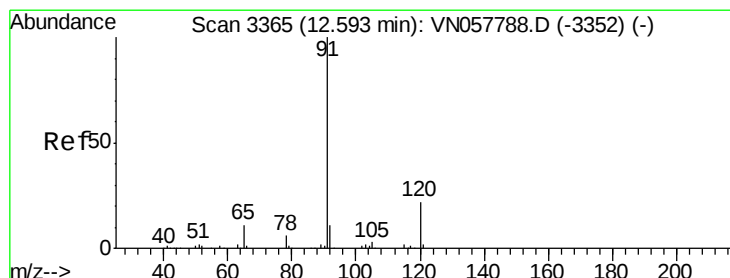
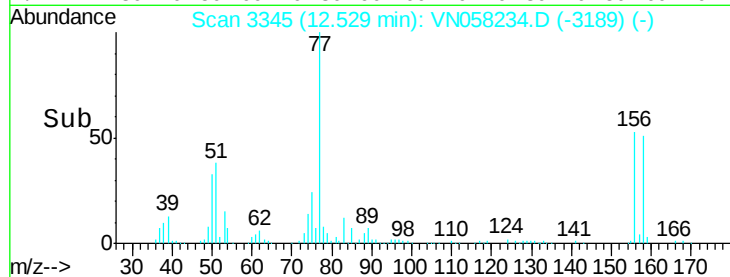
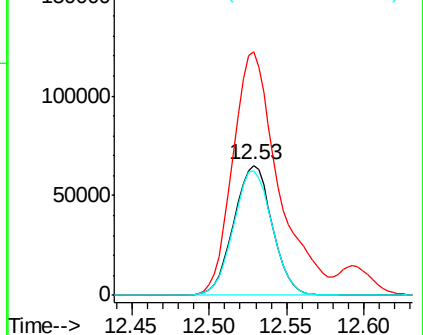
158 96.8 0.0 197.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.274 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058234.D

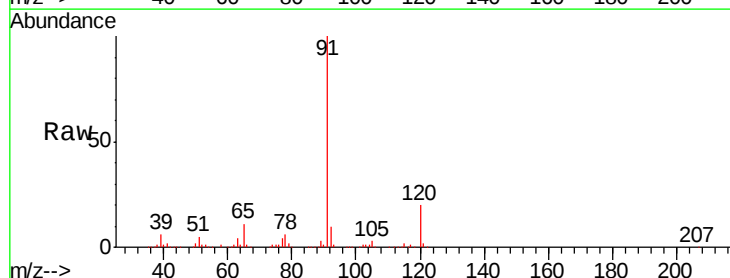
Acq: 20 Sep 2019 8:47

Tgt Ion: 91 Resp: 576946

Ion Ratio Lower Upper

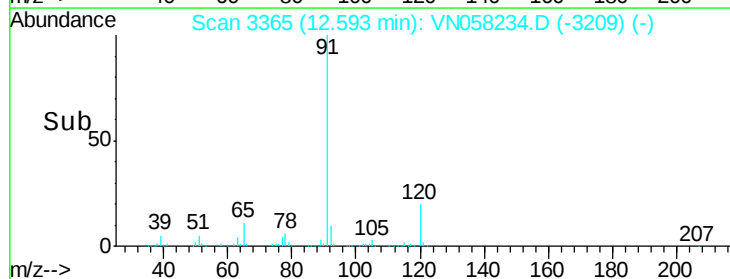
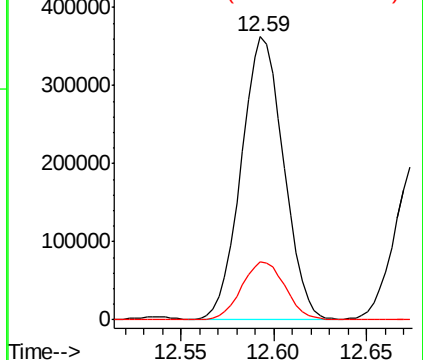
91 100

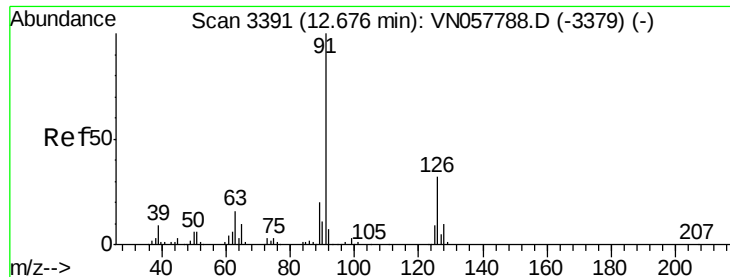
120 21.2 0.0 43.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.208 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

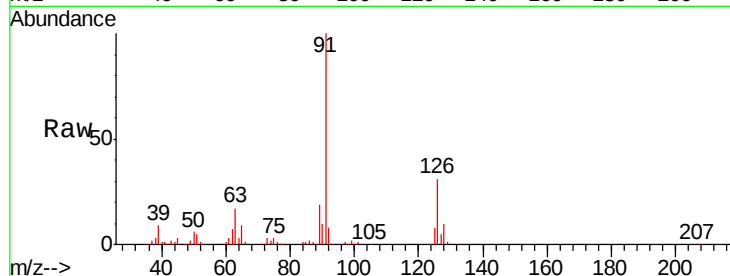
VSTDCCC020

Tgt Ion: 91 Resp: 341345

Ion Ratio Lower Upper

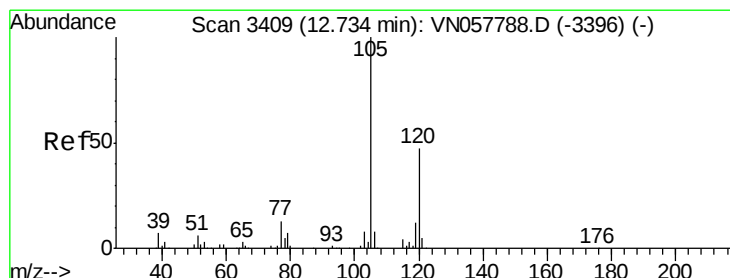
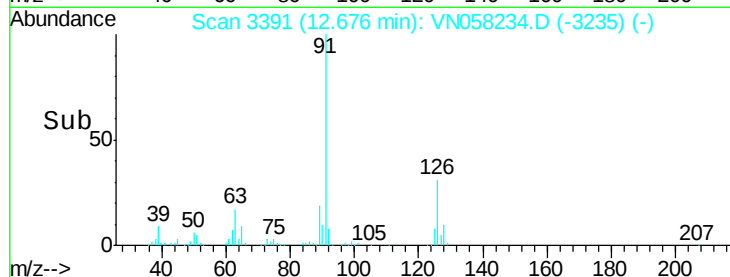
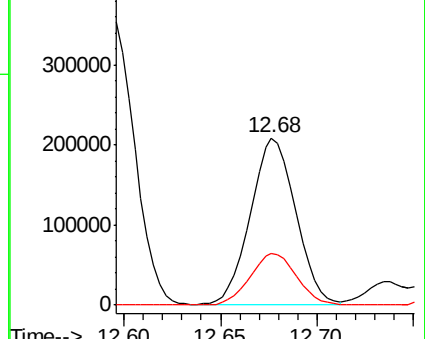
91 100

126 31.6 0.0 64.8



Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057788.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.041 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058234.D

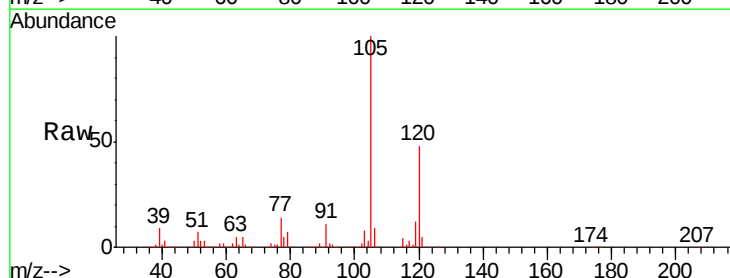
Acq: 20 Sep 2019 8:47

Tgt Ion: 105 Resp: 405075

Ion Ratio Lower Upper

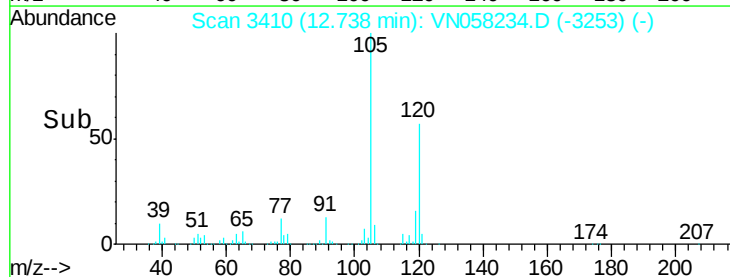
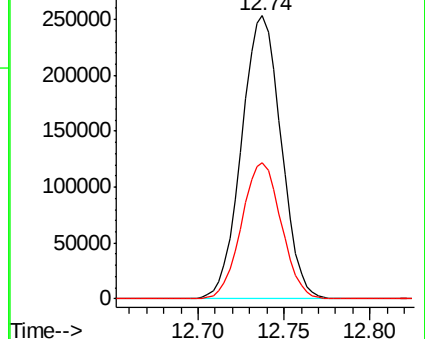
105 100

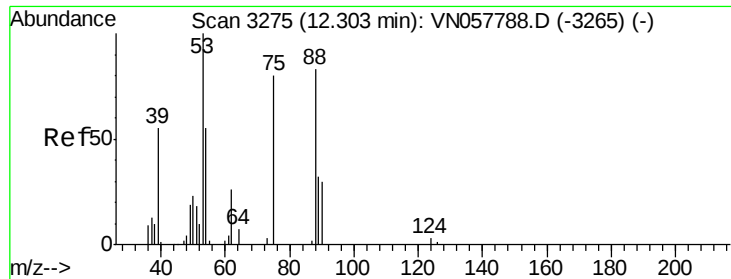
120 48.4 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057788.D (-3396) (-)

Ion 120.00 (119.70 to 120.70): VN057788.D (-3396) (-)

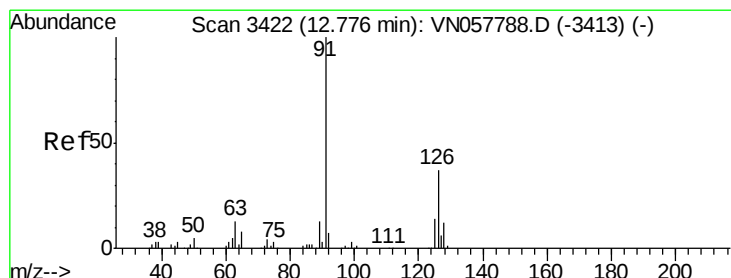
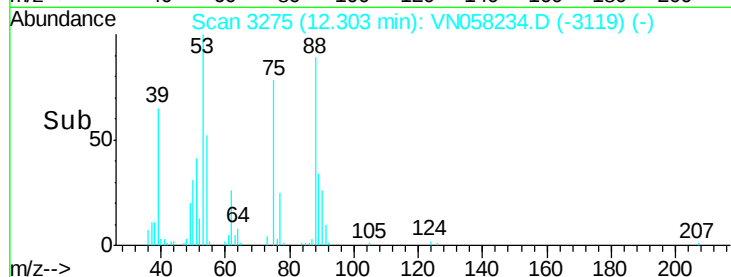
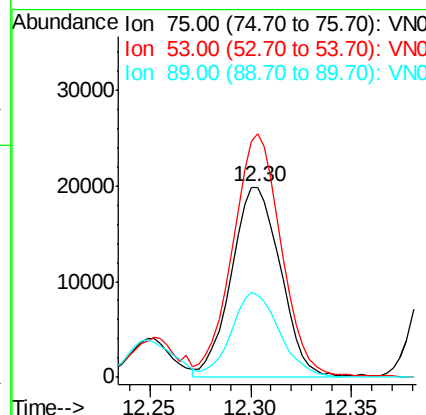
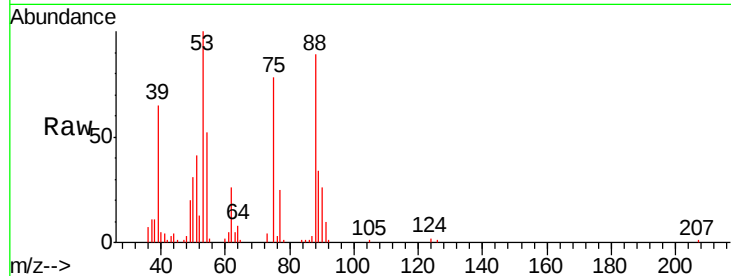




#77
t-1,4-Dichloro-2-butene
Concen: 17.339 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

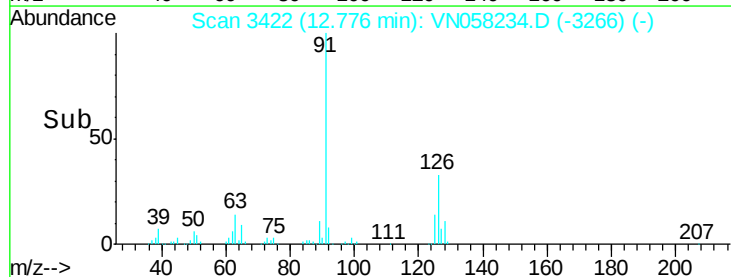
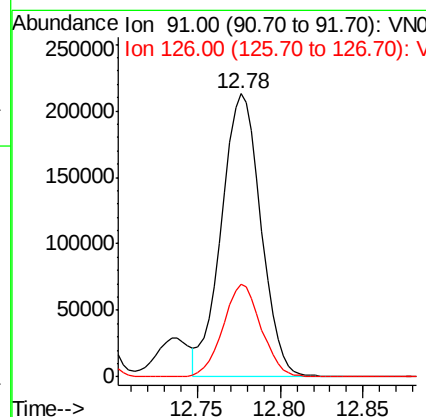
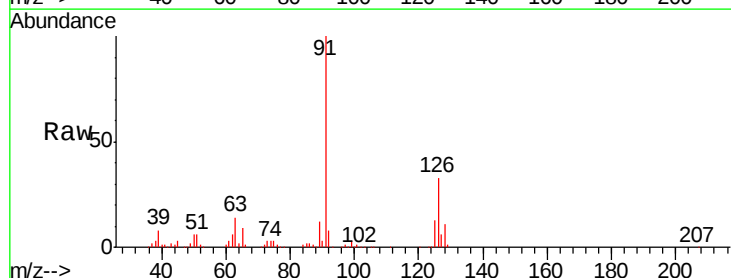
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

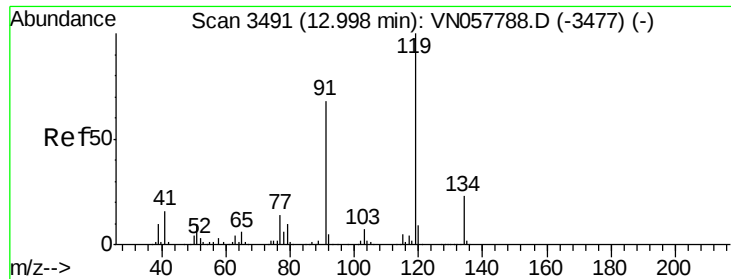
Tgt Ion: 75 Resp: 33869
Ion Ratio Lower Upper
75 100
53 128.2 62.7 188.2
89 43.9 22.8 68.3



#78
4-Chlorotoluene
Concen: 20.354 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion: 91 Resp: 350707
Ion Ratio Lower Upper
91 100
126 31.6 0.0 65.2

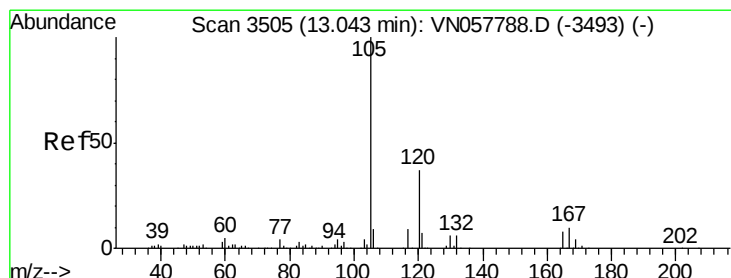
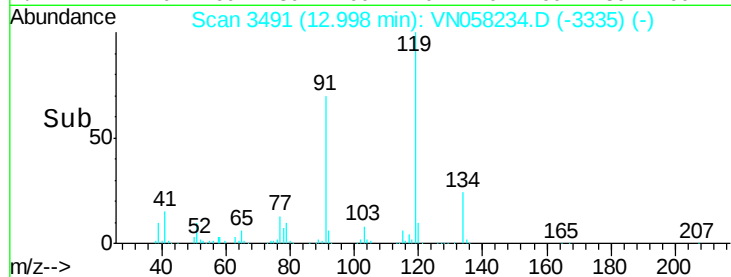
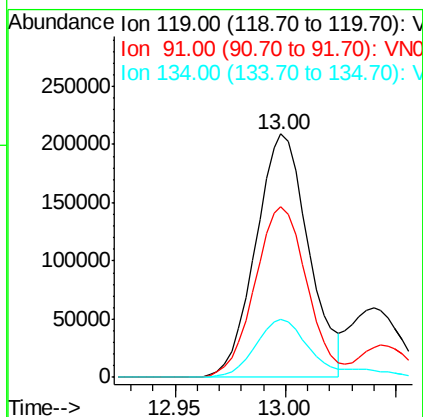
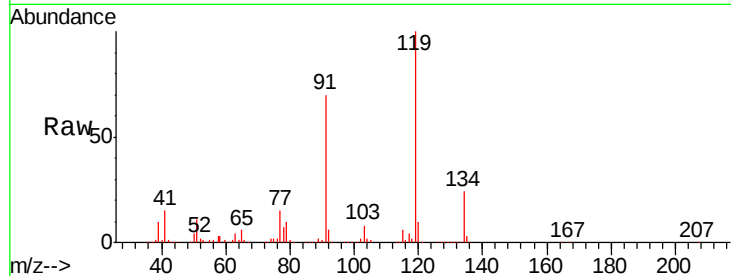




#79
tert-butylbenzene
Concen: 19.684 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

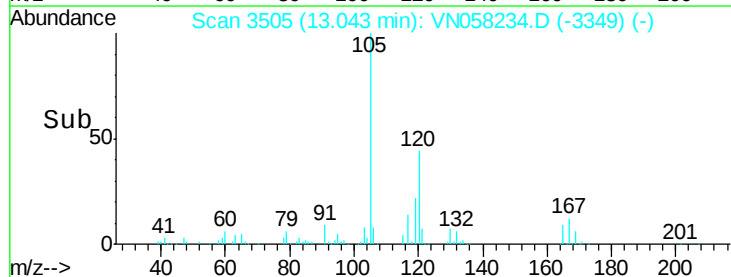
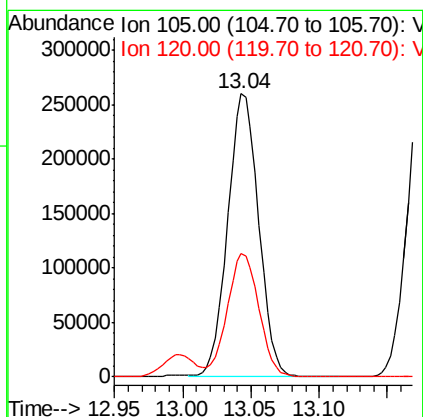
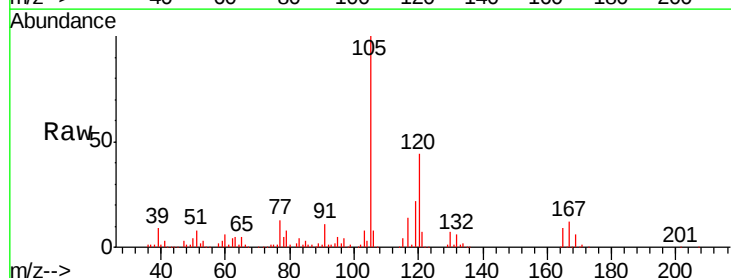
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

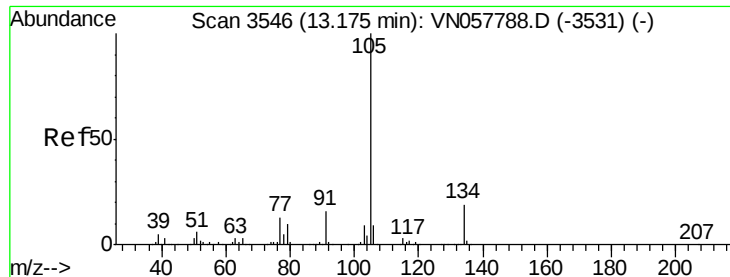
Tgt Ion:119 Resp: 347109
Ion Ratio Lower Upper
119 100
91 69.2 0.0 133.8
134 23.8 0.0 46.4



#80
1,2,4-Trimethylbenzene
Concen: 20.368 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058234.D
Acq: 20 Sep 2019 8:47

Tgt Ion:105 Resp: 410205
Ion Ratio Lower Upper
105 100
120 44.3 0.0 87.8

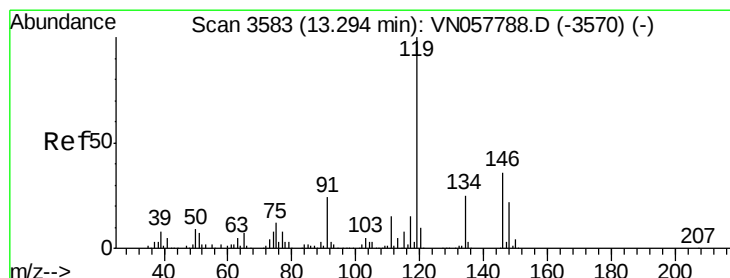
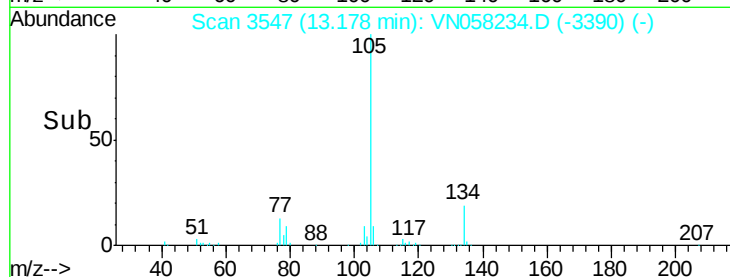
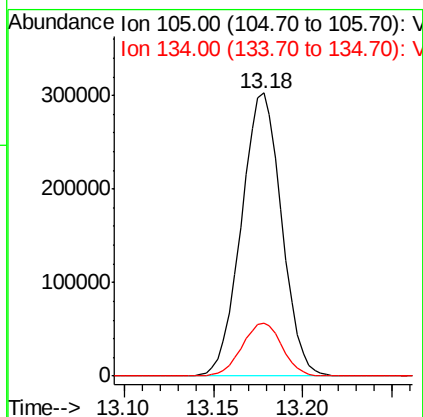
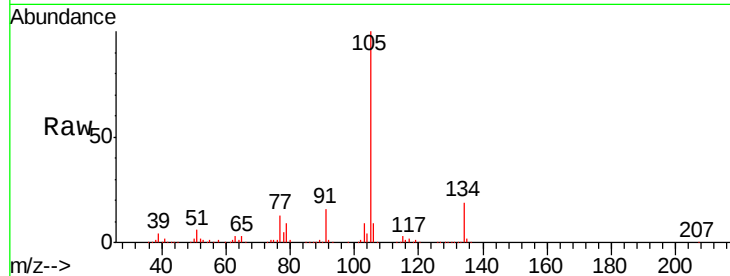




#81
 sec-Butylbenzene
 Concen: 20.339 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

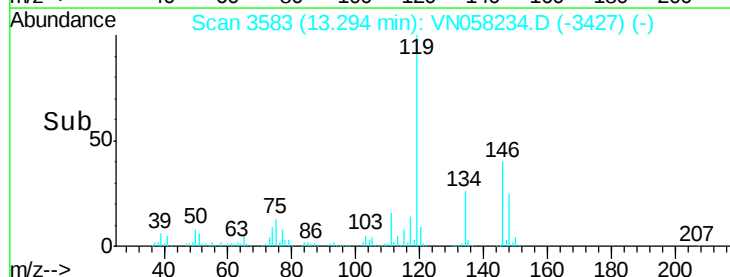
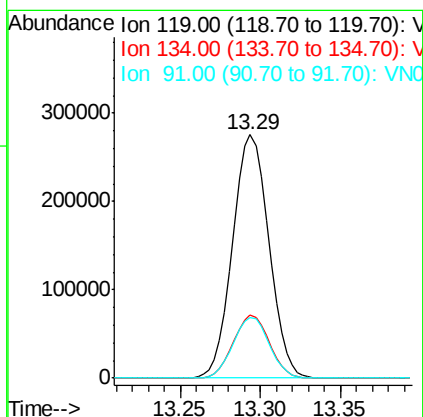
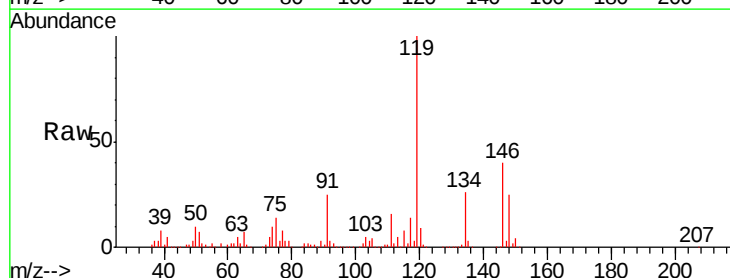
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

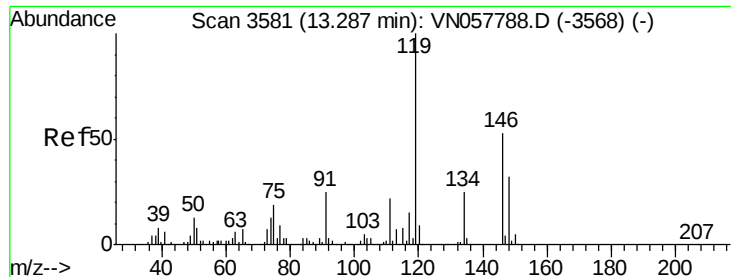
Tgt Ion:105 Resp: 475851
 Ion Ratio Lower Upper
 105 100
 134 18.9 0.0 37.6



#82
 p-Isopropyltoluene
 Concen: 20.253 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion:119 Resp: 424347
 Ion Ratio Lower Upper
 119 100
 134 25.8 0.0 50.4
 91 24.9 0.0 48.8

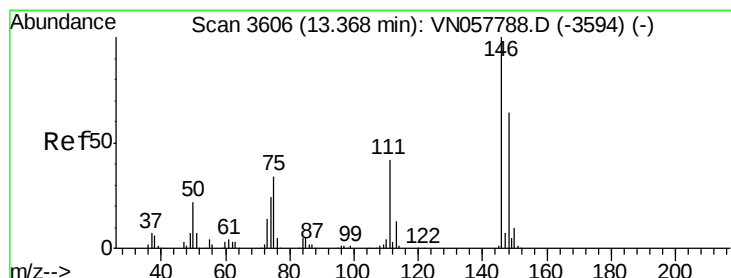
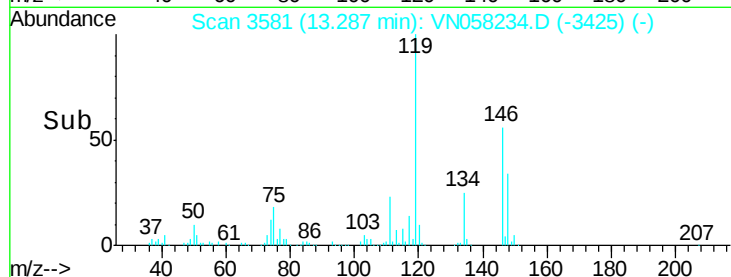
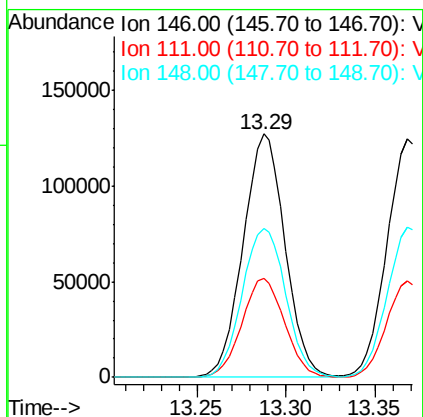
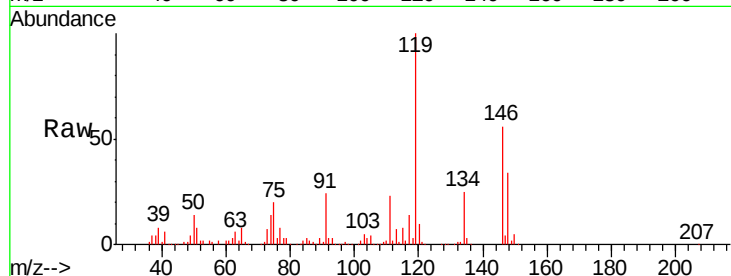




#83
 1,3-Dichlorobenzene
 Concen: 19.842 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

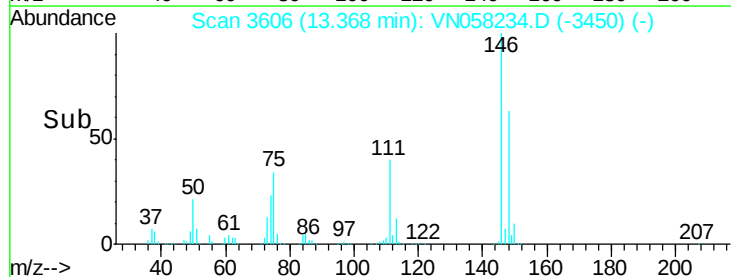
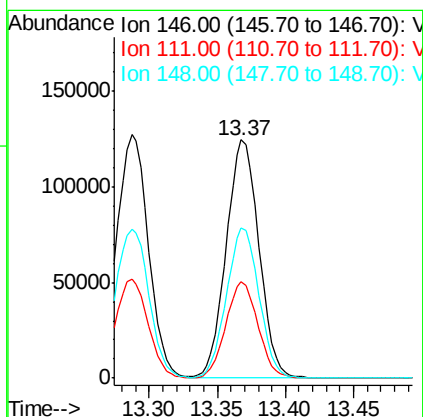
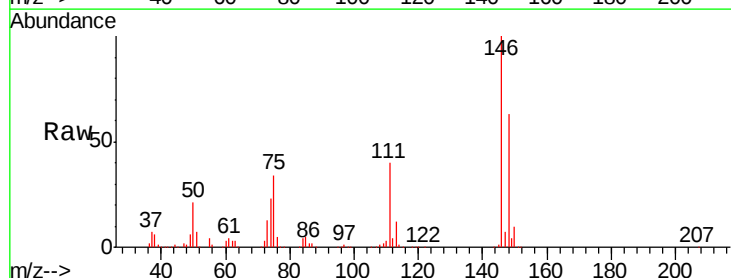
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

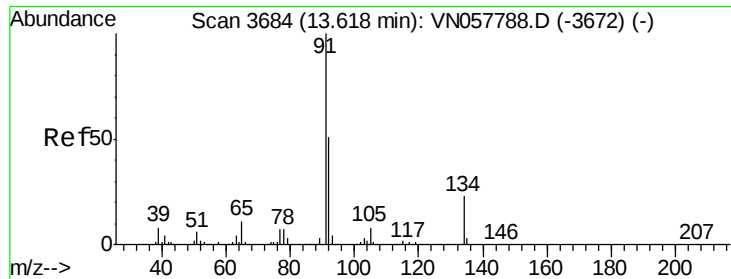
Tgt Ion:146 Resp: 209594
 Ion Ratio Lower Upper
 146 100
 111 41.2 20.7 62.1
 148 63.7 30.9 92.5



#84
 1,4-Dichlorobenzene
 Concen: 19.908 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion:146 Resp: 207038
 Ion Ratio Lower Upper
 146 100
 111 39.5 21.1 63.4
 148 63.1 31.7 95.1





#85

n-Butylbenzene

Concen: 19.429 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

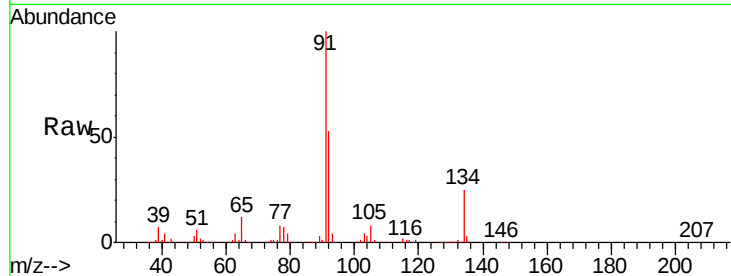
Tgt Ion: 91 Resp: 379400

Ion Ratio Lower Upper

91 100

92 52.1 0.0 100.0

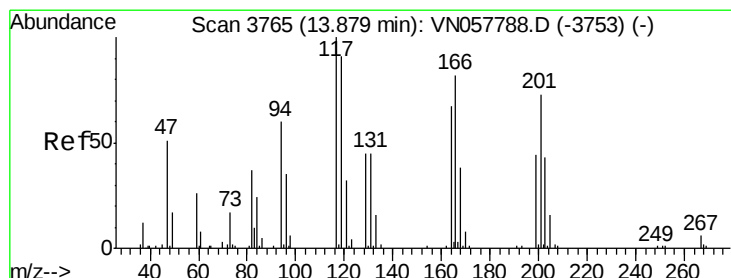
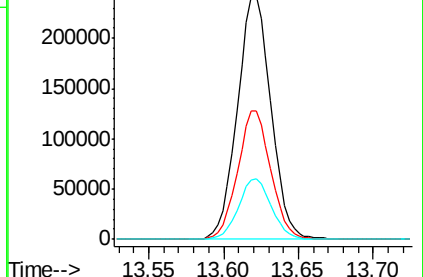
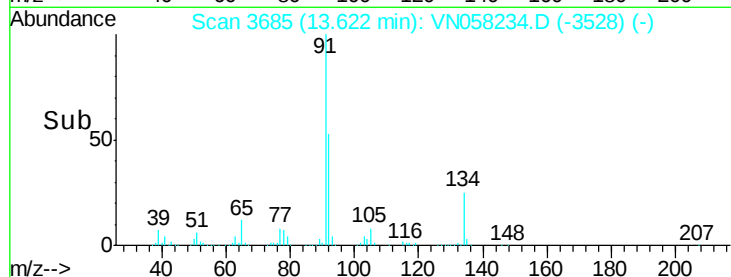
134 24.3 0.0 46.6



Abundance Ion 91.00 (90.70 to 91.70): VN058234.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN058234.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN058234.D (-3672) (-)



#86

Hexachloroethane

Concen: 17.879 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058234.D

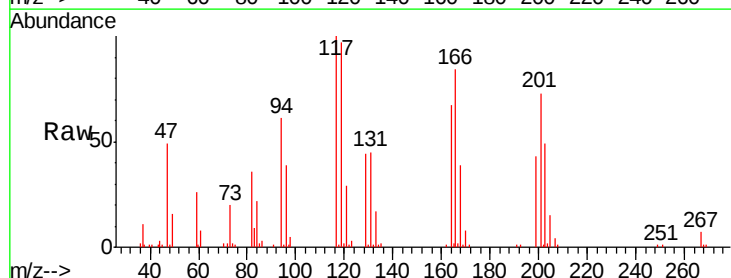
Acq: 20 Sep 2019 8:47

Tgt Ion: 117 Resp: 59668

Ion Ratio Lower Upper

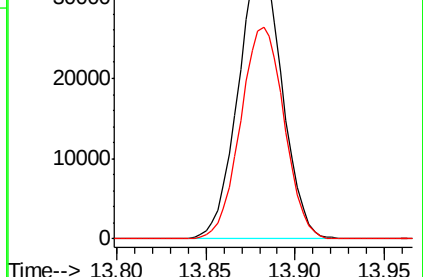
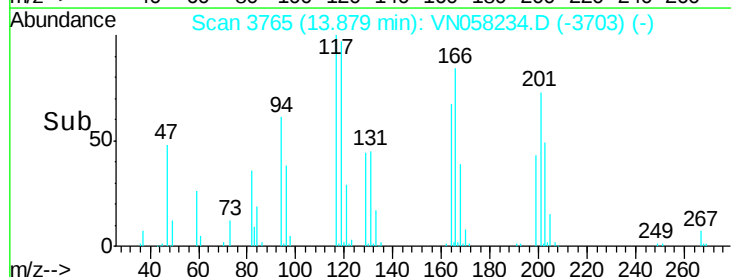
117 100

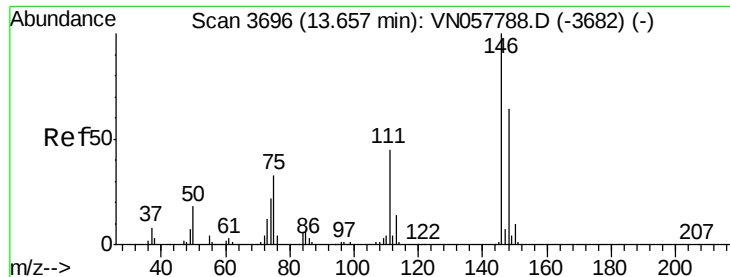
201 75.6 36.7 110.1



Abundance Ion 117.00 (116.70 to 117.70): VN058234.D (-3753) (-)

Ion 201.00 (200.70 to 201.70): VN058234.D (-3753) (-)

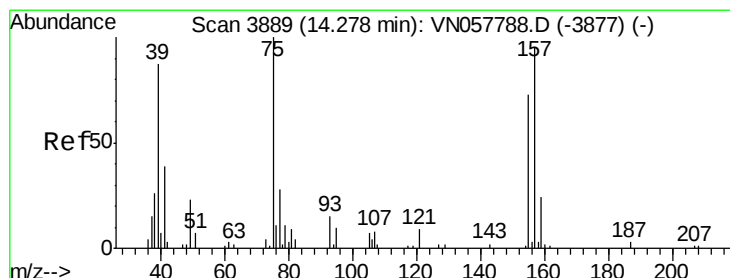
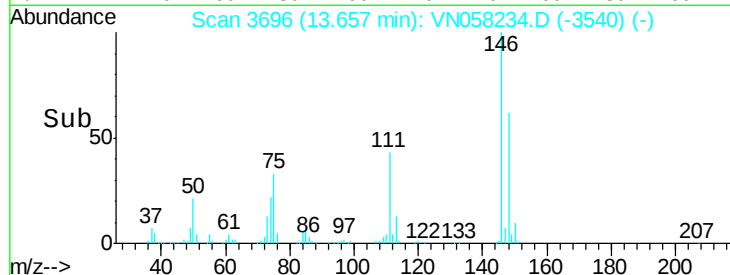
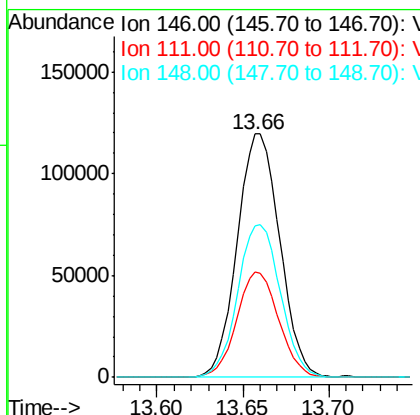
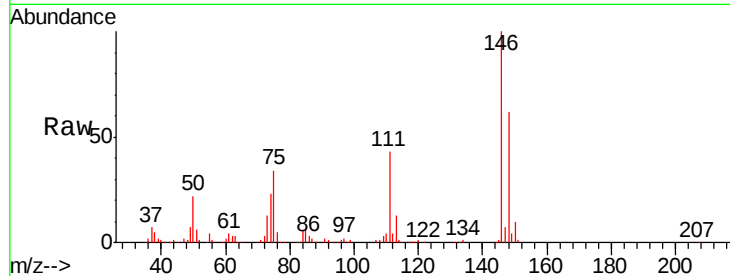




#87
 1,2-Dichlorobenzene
 Concen: 20.111 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

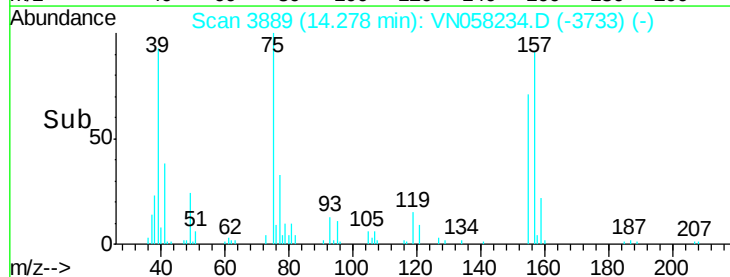
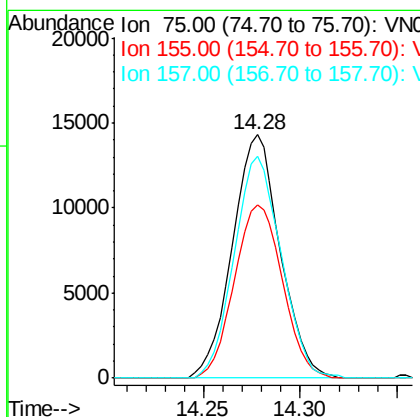
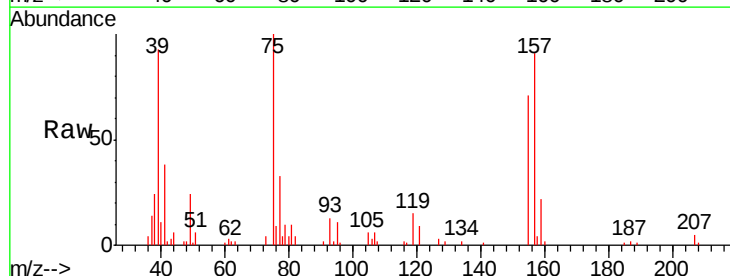
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

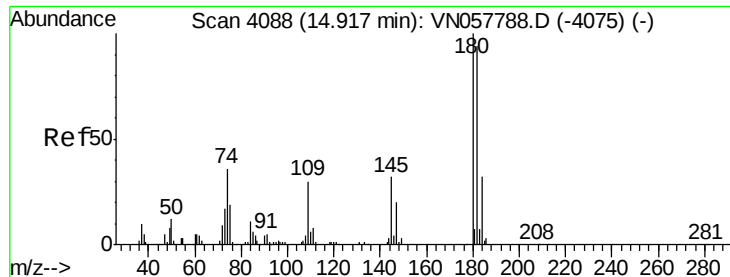
Tgt Ion: 146 Resp: 206206
 Ion Ratio Lower Upper
 146 100
 111 42.8 22.2 66.6
 148 62.9 32.1 96.3



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.733 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion: 75 Resp: 24469
 Ion Ratio Lower Upper
 75 100
 155 71.9 59.4 89.2
 157 89.9 74.6 112.0

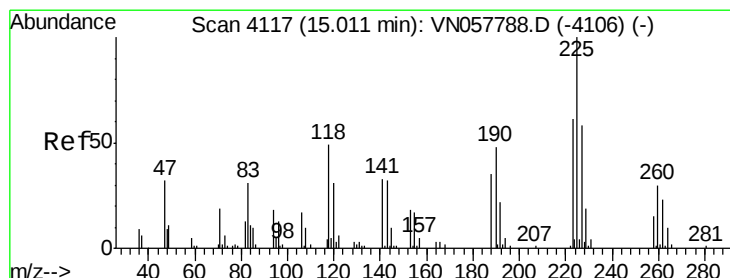
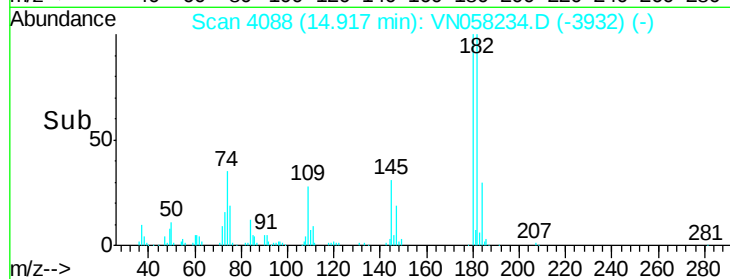
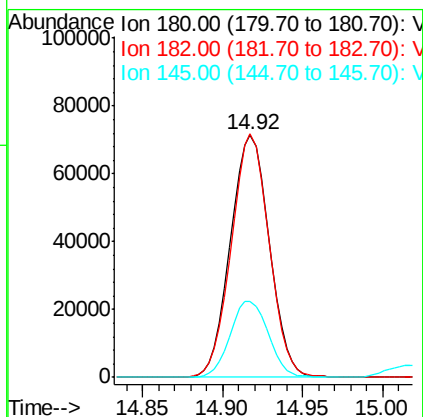
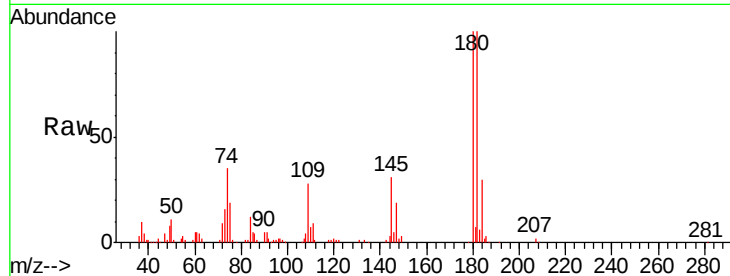




#89
 1,2,4-Trichlorobenzene
 Concen: 18.835 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

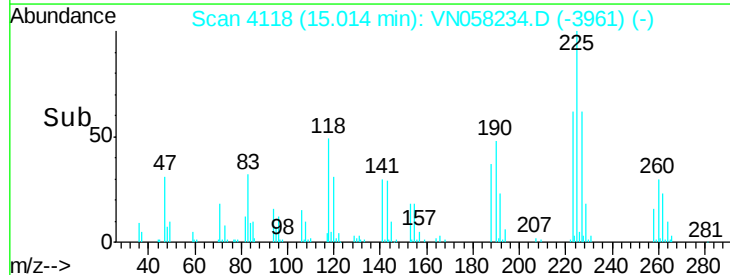
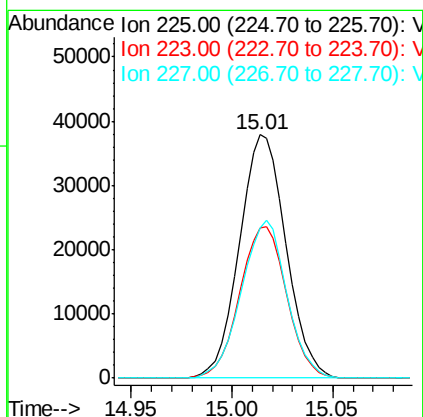
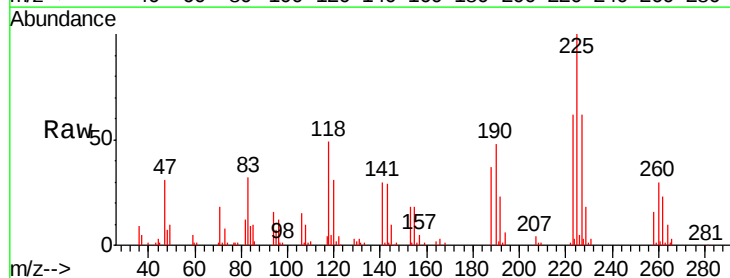
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

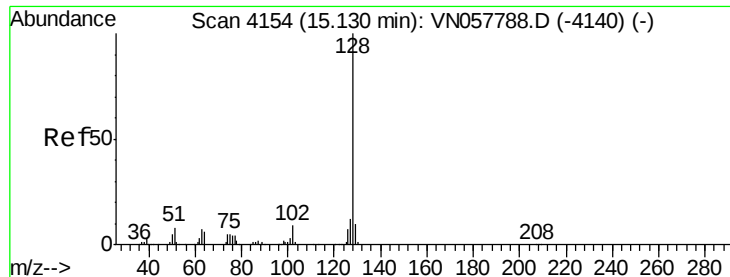
Tgt Ion:180 Resp: 117971
 Ion Ratio Lower Upper
 180 100
 182 97.8 77.0 115.4
 145 31.1 26.1 39.1



#90
 Hexachlorobutadiene
 Concen: 21.320 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058234.D
 Acq: 20 Sep 2019 8:47

Tgt Ion:225 Resp: 61329
 Ion Ratio Lower Upper
 225 100
 223 62.7 0.0 125.0
 227 63.1 0.0 123.8





#91

Naphthalene

Concen: 17.406 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

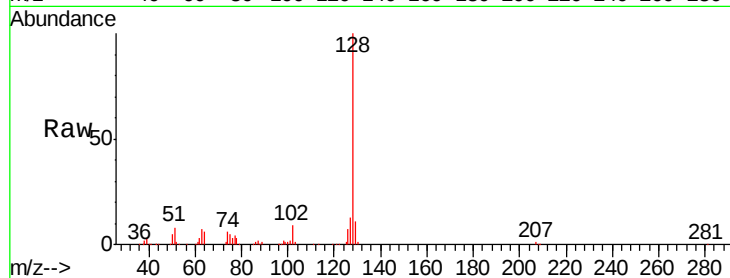
Tgt Ion:128 Resp: 299982

Ion Ratio Lower Upper

128 100

127 13.0 9.9 14.9

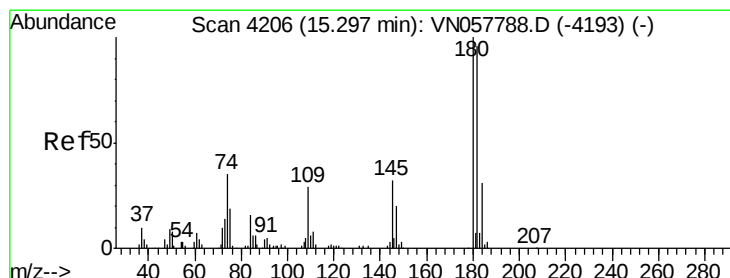
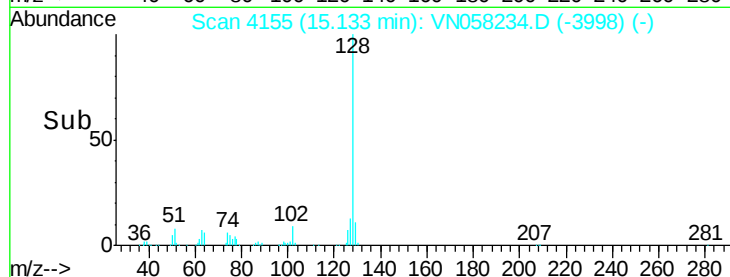
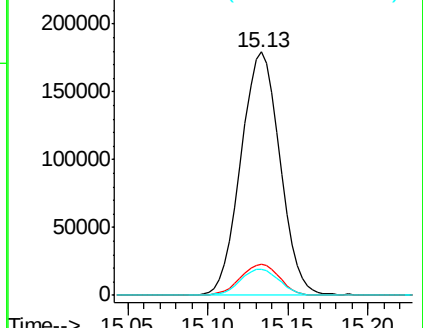
129 10.8 8.1 12.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 18.452 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058234.D

Acq: 20 Sep 2019 8:47

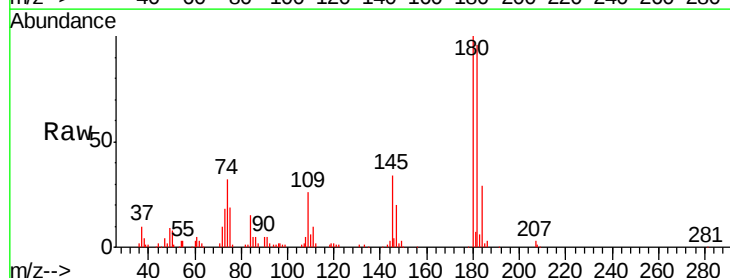
Tgt Ion:180 Resp: 110222

Ion Ratio Lower Upper

180 100

182 95.6 0.0 189.8

145 34.0 0.0 65.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

