

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082719\
 Data File : VN057548.D
 Acq On : 27 Aug 2019 12:00
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Sep 03 04:01:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	61214	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	354470	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	294572	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	175708	29.77	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.23%
60) 4-Bromofluorobenzene	12.40	95	141098	29.05	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.83%
63) Toluene-d8	10.09	98	457029	30.72	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	66866	20.880	ug/l 98
3) Chloromethane	2.05	50	100960	20.994	ug/l 99
4) Vinyl Chloride	2.17	62	129081	21.129	ug/l 98
5) Bromomethane	2.55	94	78579	19.882	ug/l 92
6) Chloroethane	2.69	64	79523	19.433	ug/l 99
7) Trichlorofluoromethane	3.00	101	196686	20.241	ug/l 94
8) Diethyl Ether	3.39	74	72438	19.405	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	66444	12.141	ug/l 99
10) 1,1-Dichloroethene	3.71	96	61227	11.588	ug/l 95
11) Methyl Iodide	3.92	142	87244	18.369	ug/l 99
12) Methyl Acetate	4.31	43	106733	20.053	ug/l 95
13) Acrolein	3.58	56	61652	91.078	ug/l 99
14) Acrylonitrile	4.97	53	183835	99.420	ug/l 98
15) Acetone	3.80	58	50865	58.804	ug/l 90
16) Carbon Disulfide	4.02	76	188663	20.047	ug/l 100
17) Allyl chloride	4.30	41	145675	20.210	ug/l 98
18) Methylene Chloride	4.52	84	86385	22.294	ug/l 96
19) trans-1,2-Dichloroethene	5.01	96	77458	21.228	ug/l 98
20) Diisopropyl ether	5.93	45	306953	19.947	ug/l 99
21) 1,1-Dichloroethane	5.83	63	163065	20.392	ug/l 98
22) cis-1,2-Dichloroethene	6.81	96	91812	20.687	ug/l 99
23) tert-Butyl Alcohol	4.78	59	64869	96.577	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	255807	20.955	ug/l 99
25) Chloroform	7.36	83	168276	21.196	ug/l 98
26) Cyclohexane	7.63	56	143591	20.166	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	121451	20.160	ug/l 100
30) 2-Butanone	6.82	43	273241	94.338	ug/l 98
31) 2,2-Dichloropropane	6.80	77	137753	20.013	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	140712	20.432	ug/l 98
33) Carbon Tetrachloride	7.76	117	110921	19.396	ug/l 95
34) Benzene	8.03	78	363821	20.537	ug/l 99
35) Methacrylonitrile	7.16	41	53048	18.097	ug/l 97
36) 1,2-Dichloroethane	8.02	62	1689	0.243	ug/l 99
37) Trichloroethene	8.82	130	81642	20.200	ug/l 100
38) Methylcyclohexane	9.07	83	132706	19.626	ug/l 99
39) 1,2-Dichloropropane	9.11	63	101550	20.160	ug/l 92
40) Dibromomethane	9.20	93	64768	21.039	ug/l 96

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	124980	19.142	ug/l	92
42) Vinyl Acetate	5.87	43	1204629	92.938	ug/l	99
43) Ethyl Acetate	6.91	43	110735	19.641	ug/l	96
44) Isopropyl Acetate	8.16	43	200902	18.667	ug/l	# 93
45) 1,4-Dioxane	9.19	88	26434	408.627	ug/l	90
46) Methyl methacrylate	9.19	41	92787	18.154	ug/l	97
47) n-amyl Acetate	12.07	43	144304	16.660	ug/l	92
48) t-1,3-Dichloropropene	10.38	75	121222	17.575	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	142132	18.748	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	83067	20.578	ug/l	97
51) Ethyl methacrylate	10.43	69	124662	18.577	ug/l	99
52) 1,3-Dichloropropane	10.71	76	145260	19.737	ug/l	98
53) Dibromochloromethane	10.90	129	76835	17.854	ug/l	99
54) 1,2-Dibromoethane	11.00	107	80379	19.460	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	160241	96.873	ug/l	97
56) Bromoform	12.13	173	41562	16.182	ug/l	# 100
58) 4-Methyl-2-Pentanone	9.98	43	581730	100.666	ug/l	99
59) 2-Hexanone	10.75	43	390241	97.427	ug/l	99
61) Tetrachloroethene	10.63	164	74476	22.046	ug/l	94
62) Toluene	10.15	91	373574	20.750	ug/l	100
64) Chlorobenzene	11.43	112	204463	20.890	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	73227	19.687	ug/l	99
66) Ethyl Benzene	11.51	91	394238	20.461	ug/l	100
67) m/p-Xylenes	11.62	106	273034	40.855	ug/l	99
68) o-Xylene	11.95	106	132378	20.044	ug/l	94
69) Styrene	11.96	104	209128	19.822	ug/l	98
70) Isopropylbenzene	12.25	105	358762	20.306	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	107007	20.944	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	130321	28.098	ug/l	63
73) Bromobenzene	12.53	156	71746	20.063	ug/l	97
74) n-propylbenzene	12.59	91	393681	19.541	ug/l	99
75) 2-Chlorotoluene	12.68	91	236967	19.972	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	296515	20.450	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	27205	16.357	ug/l	89
78) 4-Chlorotoluene	12.77	91	218409	19.482	ug/l	99
79) tert-butylbenzene	12.99	119	251290	20.367	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	278178	20.579	ug/l	98
81) sec-Butylbenzene	13.17	105	322058	19.809	ug/l	98
82) p-Isopropyltoluene	13.29	119	261661	19.143	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	104031	18.687	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	101964	18.827	ug/l	99
85) n-Butylbenzene	13.62	91	214495	18.000	ug/l	96
86) Hexachloroethane	13.88	117	47556	17.243	ug/l	97
87) 1,2-Dichlorobenzene	13.66	146	108380	19.823	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15185	17.710	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	29174	14.241	ug/l	97
90) Hexachlorobutadiene	15.01	225	32998	20.951	ug/l	95
91) Naphthalene	15.13	128	94984	19.359	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	29644	14.470	ug/l	93

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QLast Update : Fri Aug 23 23:15:31 2019
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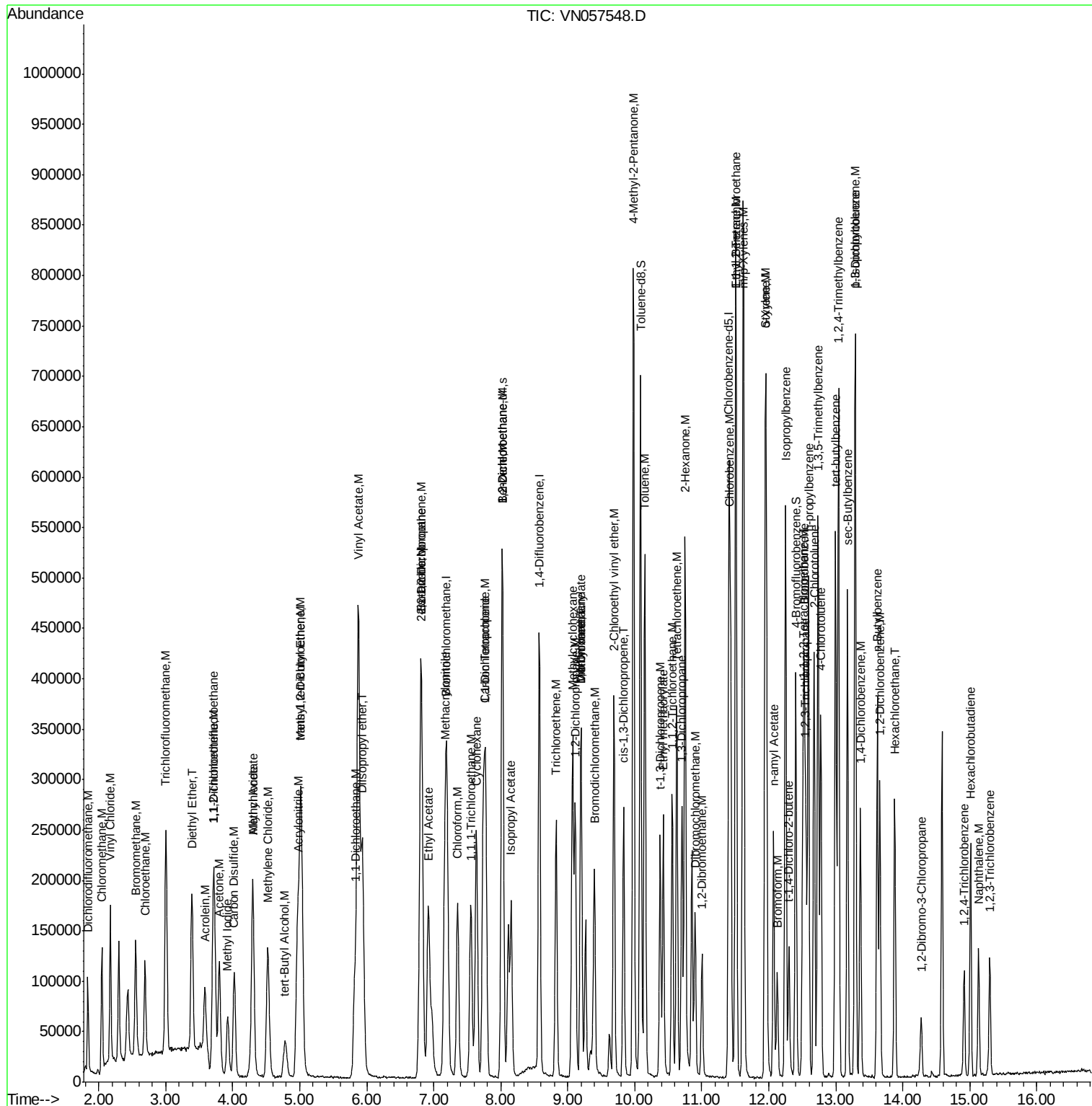
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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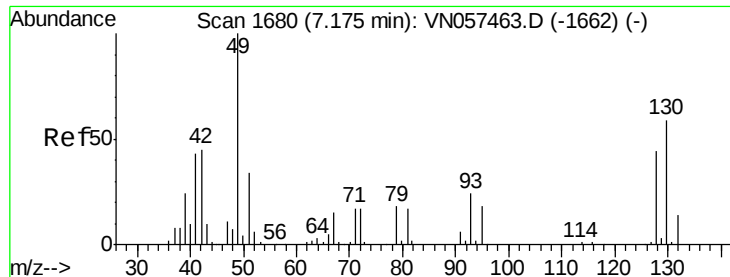
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 03 04:01:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 23 23:15:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

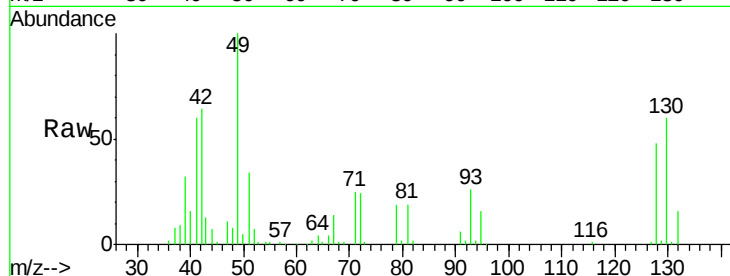
Tot Ion:128 Resp: 61214

Ion Ratio Lower Upper

128 100

49 213.0 0.0 560.5

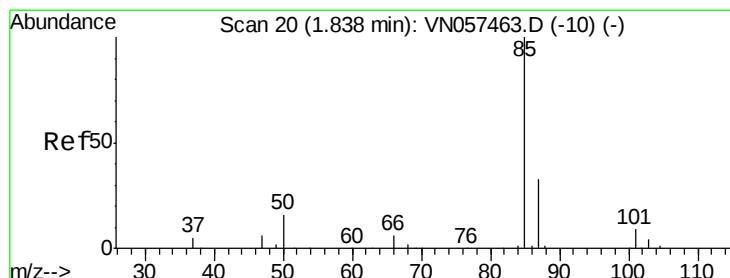
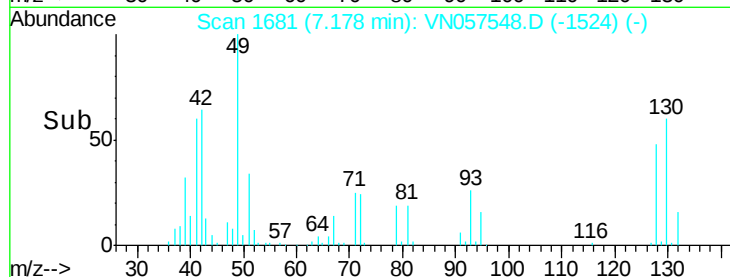
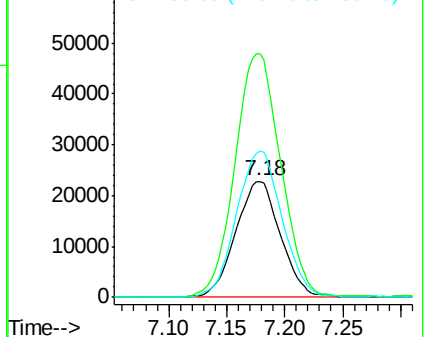
130 128.3 0.0 317.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.880 ug/l

RT: 1.84 min Scan# 21

Delta R.T. 0.00 min

Lab File: VN057548.D

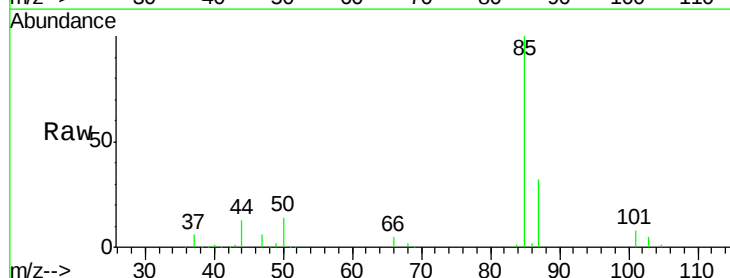
Acq: 27 Aug 2019 12:00

Tgt Ion: 85 Resp: 66866

Ion Ratio Lower Upper

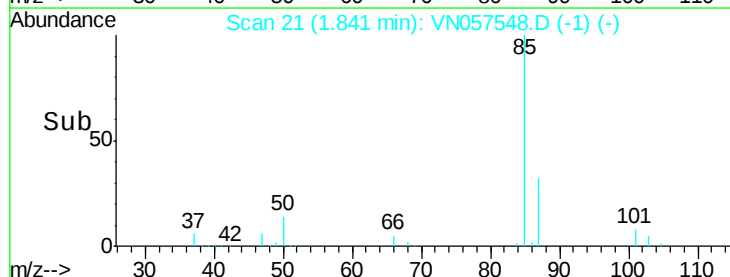
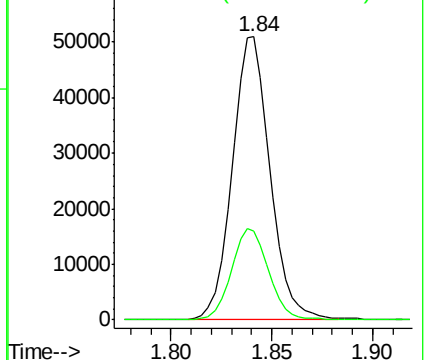
85 100

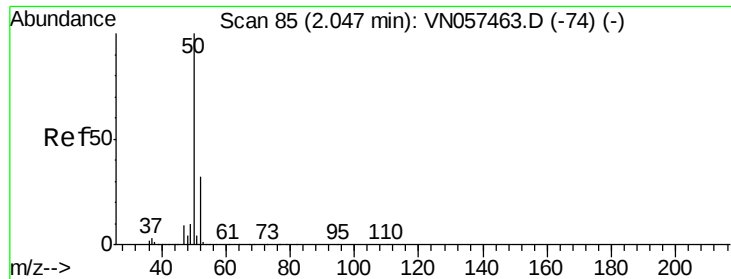
87 31.5 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 20.994 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

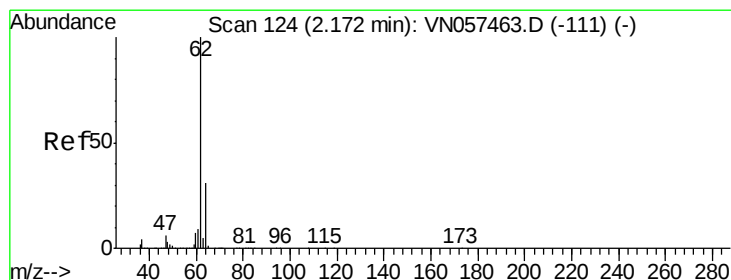
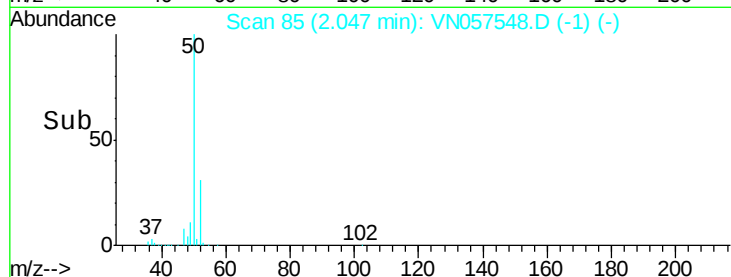
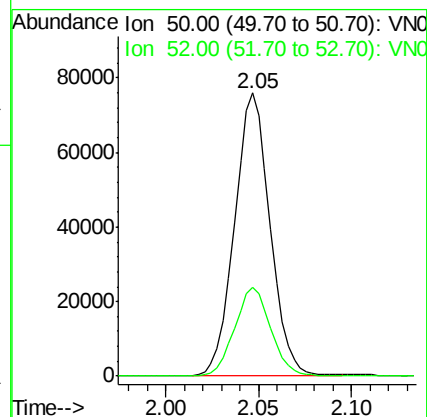
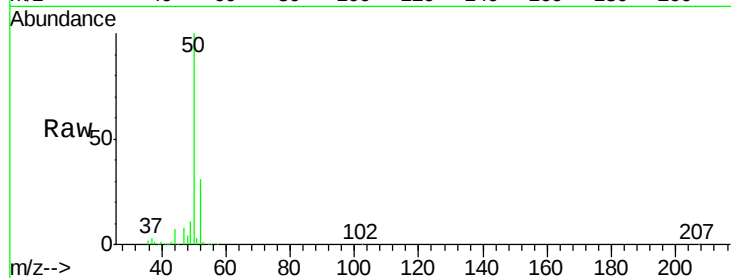
VSTDCCC020EC

Tot Ion: 50 Resp: 100960

Ion Ratio Lower Upper

50 100

52 31.5 25.8 38.6



#4

Vinyl Chloride

Concen: 21.129 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN057548.D

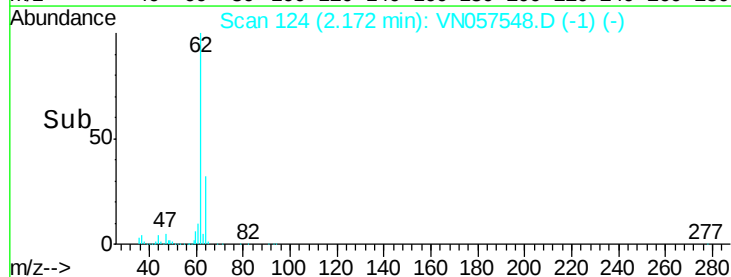
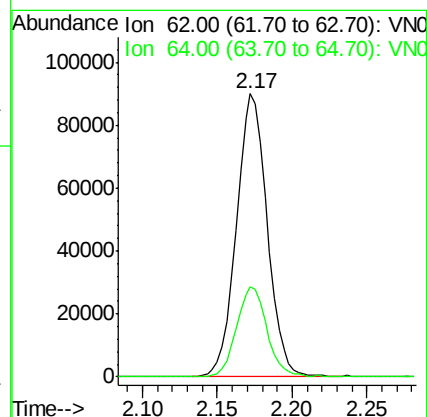
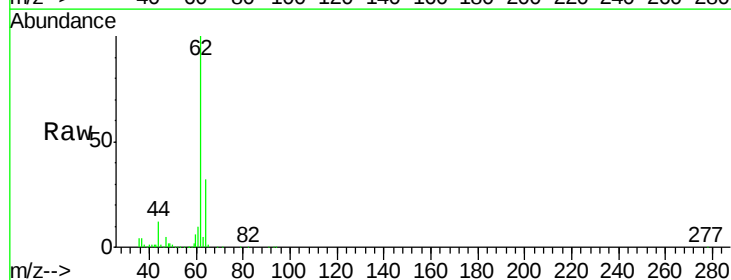
Acq: 27 Aug 2019 12:00

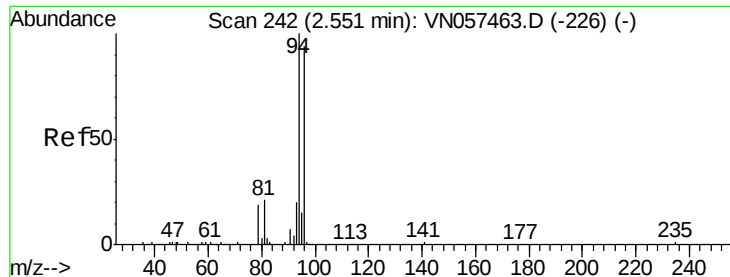
Tgt Ion: 62 Resp: 129081

Ion Ratio Lower Upper

62 100

64 32.0 24.8 37.2





#5

Bromomethane

Concen: 19.882 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

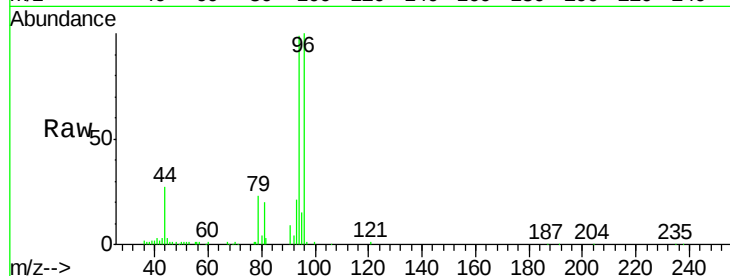
VSTDCCC020EC

Tot Ion: 94 Resp: 78579

Ion Ratio Lower Upper

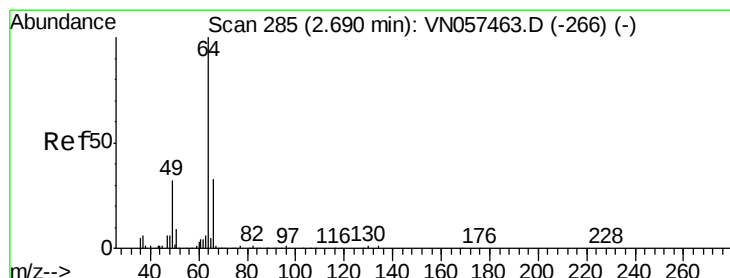
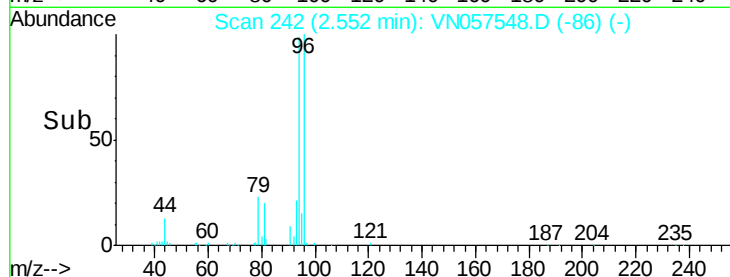
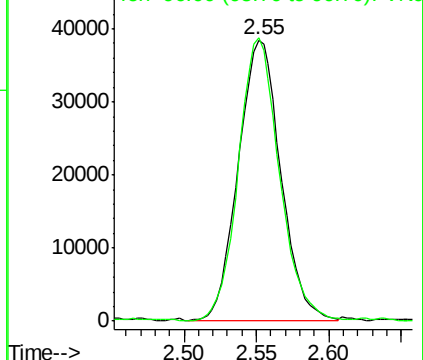
94 100

96 100.8 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.433 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.00 min

Lab File: VN057548.D

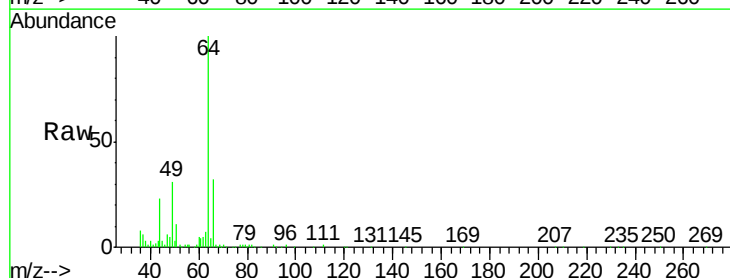
Acq: 27 Aug 2019 12:00

Tgt Ion: 64 Resp: 79523

Ion Ratio Lower Upper

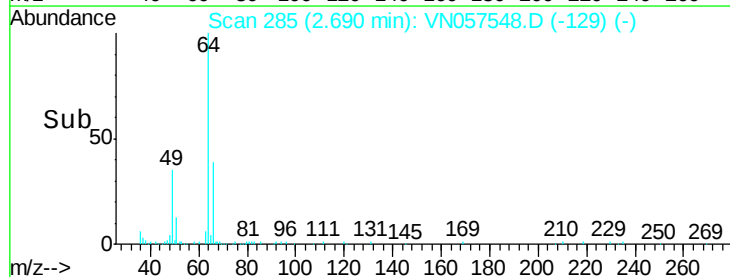
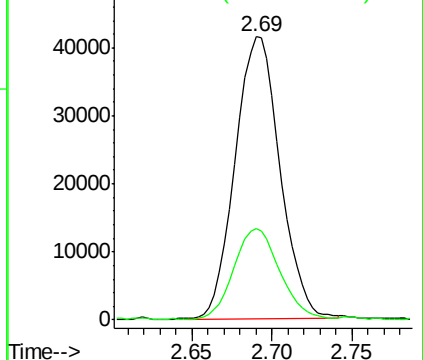
64 100

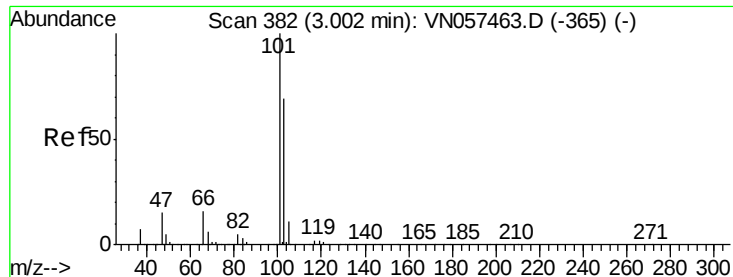
66 32.6 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



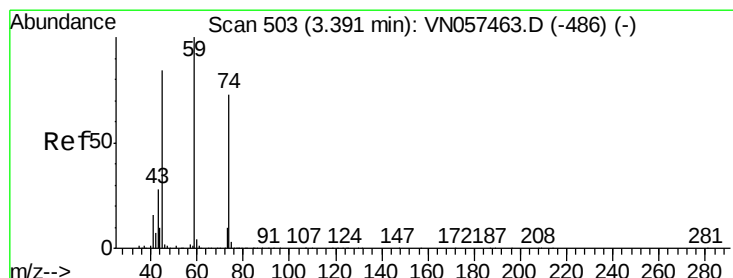
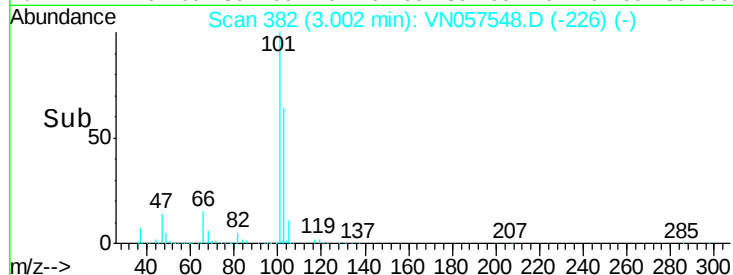
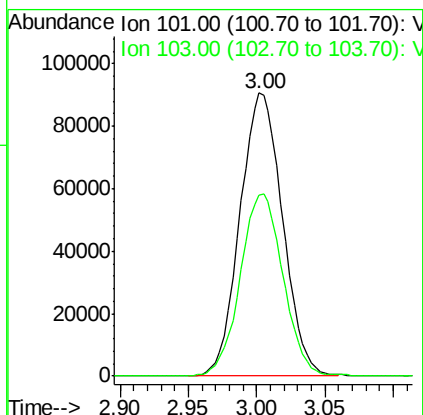
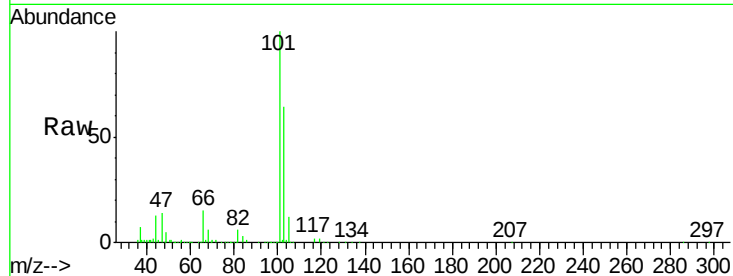


#7

Trichlorofluoromethane
 Concen: 20.241 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

Instrument :
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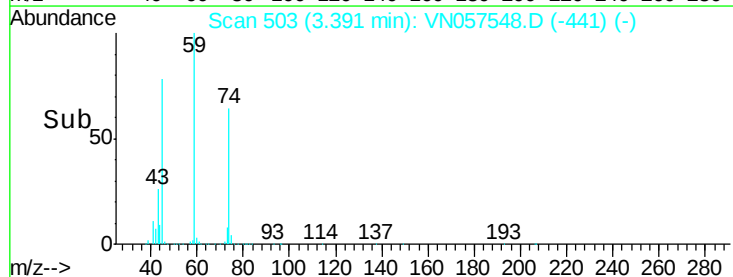
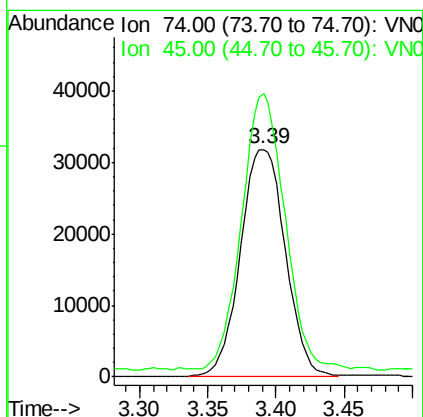
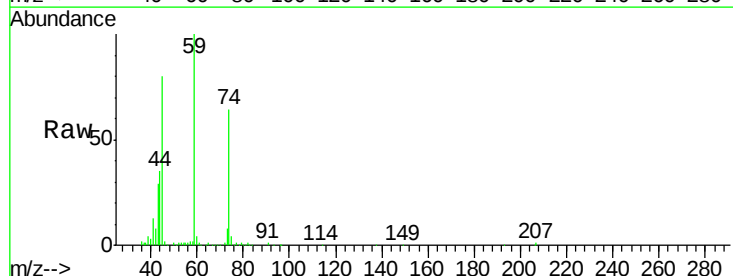
Tot Ion:101 Resp: 196686
 Ion Ratio Lower Upper
 101 100
 103 63.7 55.0 82.4

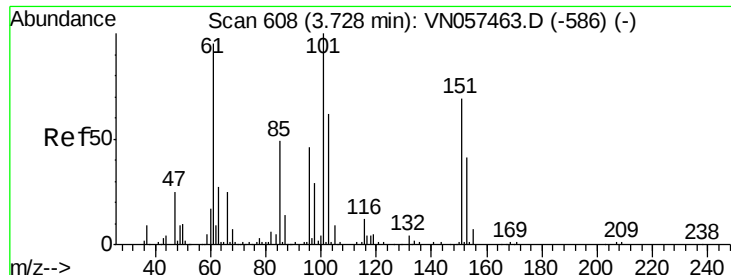


#8

Diethyl Ether
 Concen: 19.405 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

Tgt Ion: 74 Resp: 72438
 Ion Ratio Lower Upper
 74 100
 45 115.7 23.2 209.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.141 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

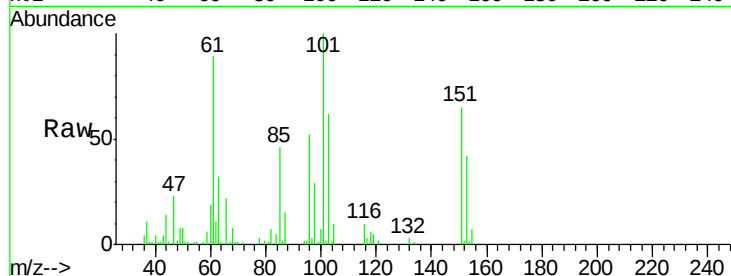
Tot Ion:101 Resp: 66444

Ion Ratio Lower Upper

101 100

85 49.2 0.0 101.6

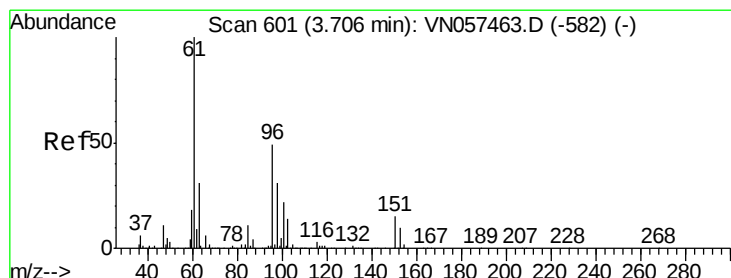
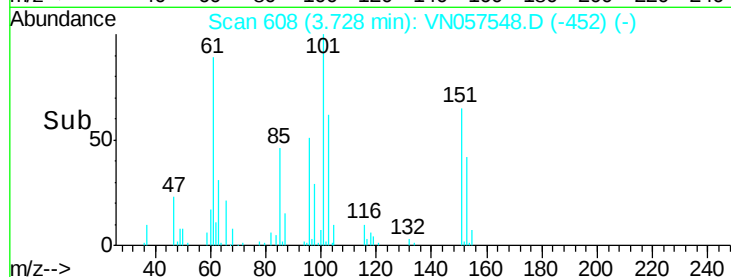
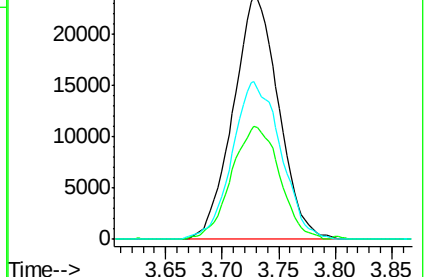
151 69.1 0.0 139.4



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: 11.588 ug/l

RT: 3.71 min Scan# 602

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

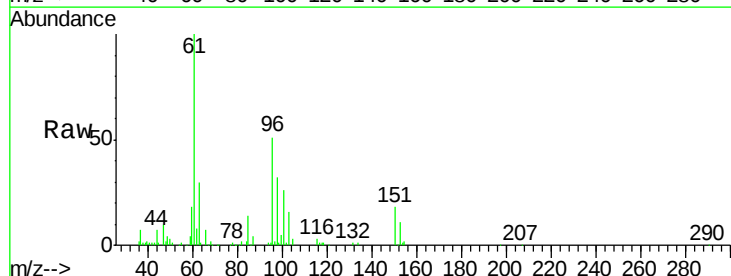
Tgt Ion: 96 Resp: 61227

Ion Ratio Lower Upper

96 100

61 193.4 162.6 244.0

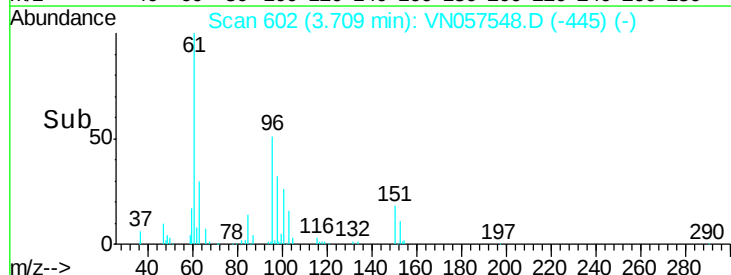
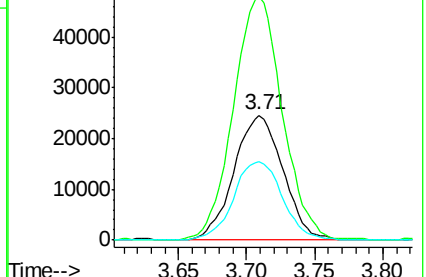
98 63.6 51.1 76.7

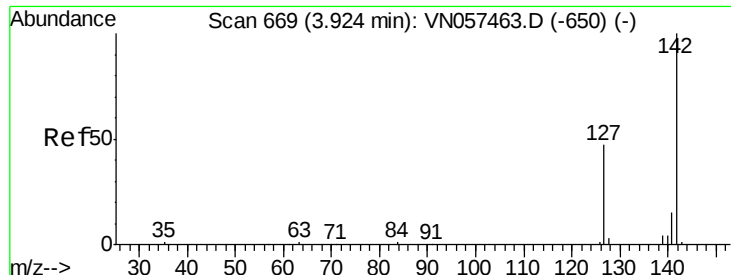


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

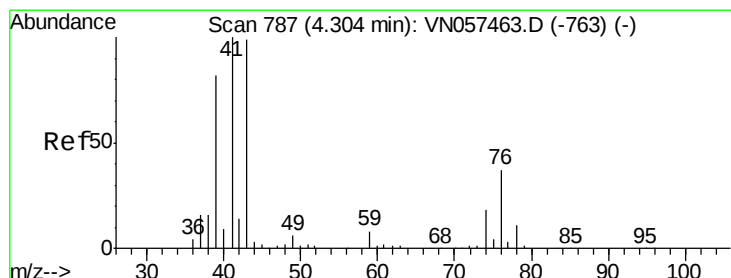
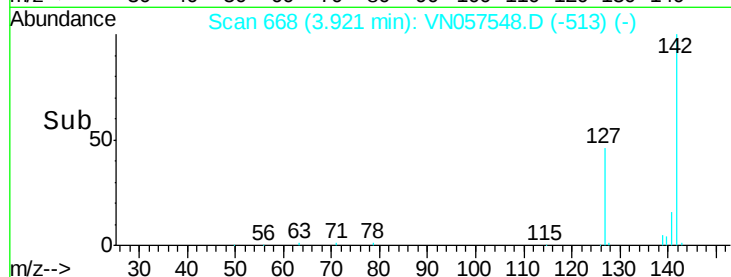
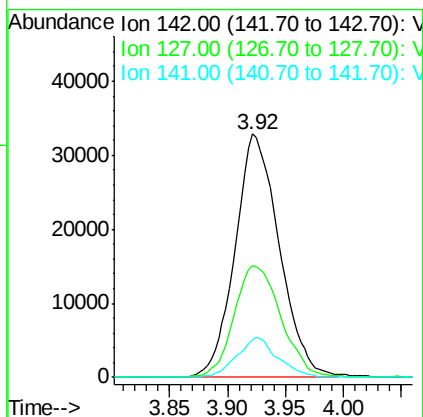
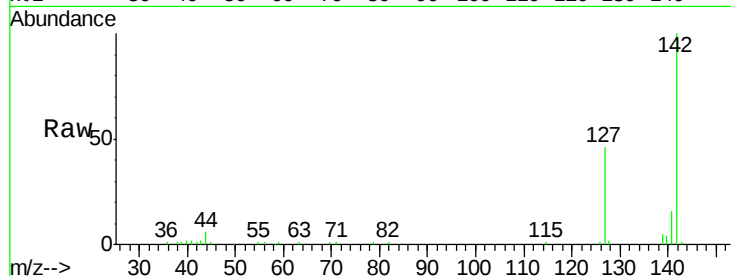




#11
Methvl Iodide
Concen: 18.369 ug/l
RT: 3.92 min Scan# 668
Delta R.T. -0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

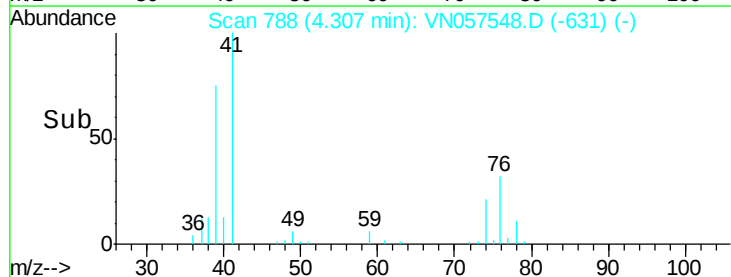
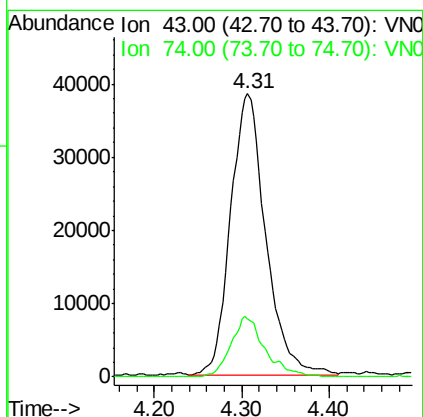
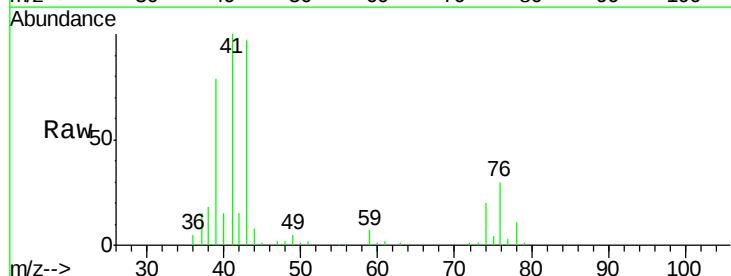
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

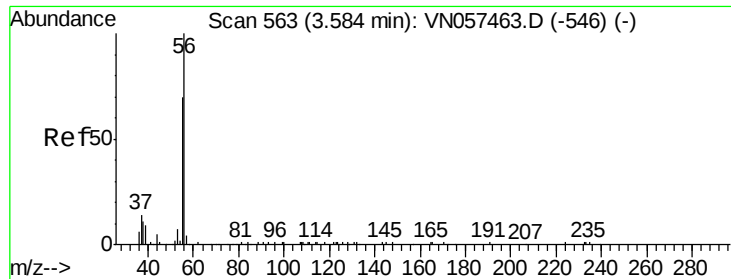
Tot Ion:142 Resp: 87244
Ion Ratio Lower Upper
142 100
127 48.2 24.0 72.0
141 15.7 7.0 21.1



#12
Methyl Acetate
Concen: 20.053 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

Tgt Ion: 43 Resp: 106733
Ion Ratio Lower Upper
43 100
74 20.6 14.6 22.0





#13

Acrolein

Concen: 91.078 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

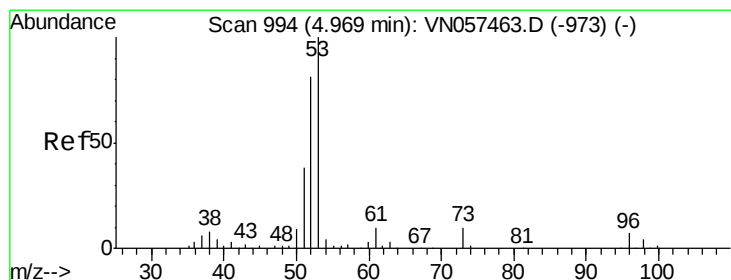
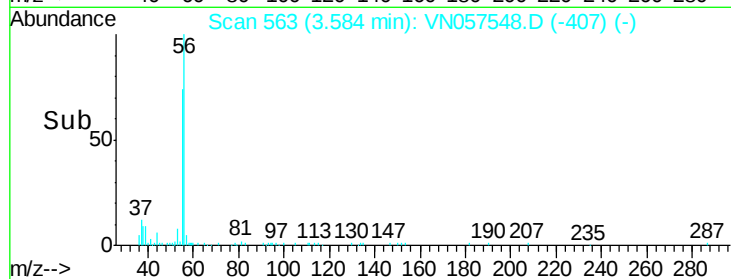
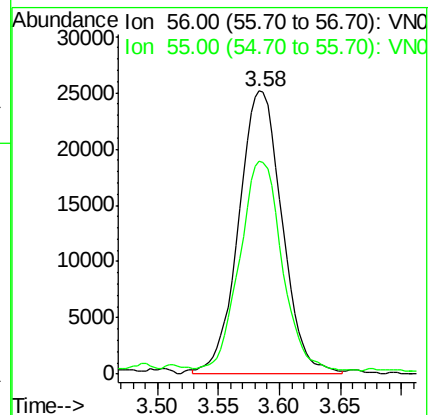
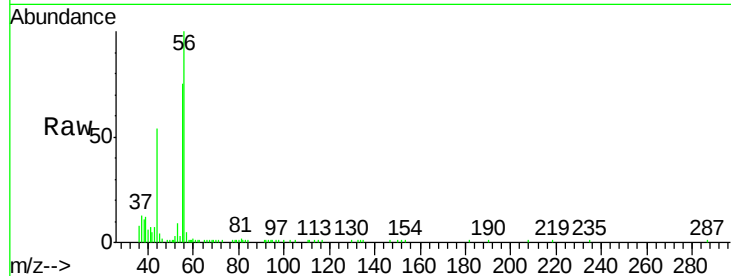
VSTDCCC020EC

Tot Ion: 56 Resp: 61652

Ion Ratio Lower Upper

56 100

55 71.9 56.7 85.1



#14

Acrylonitrile

Concen: 99.420 ug/l

RT: 4.97 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

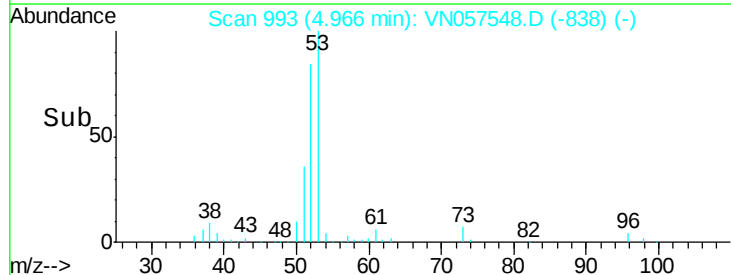
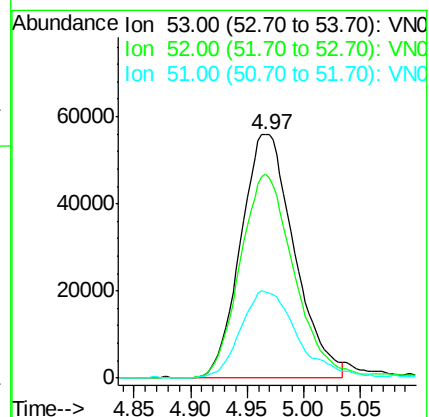
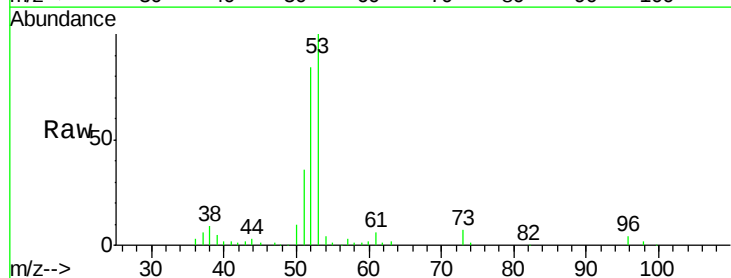
Tgt Ion: 53 Resp: 183835

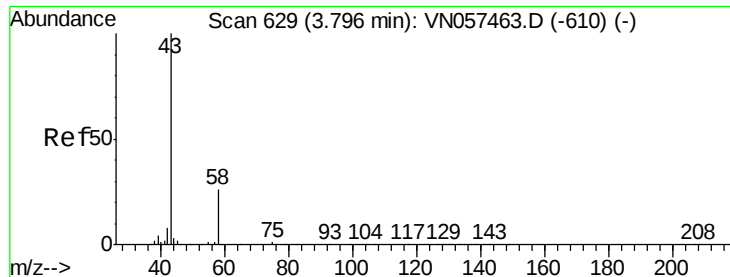
Ion Ratio Lower Upper

53 100

52 84.2 41.3 123.9

51 37.8 18.3 54.9





#15

Acetone

Concen: 58.804 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

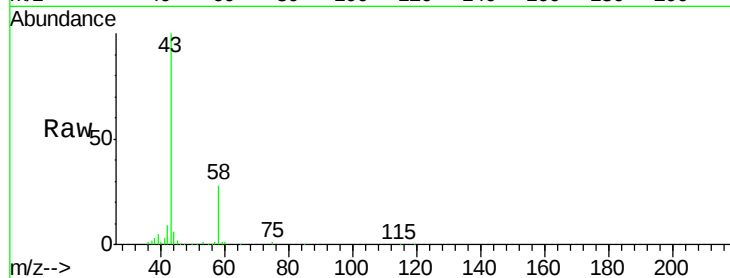
VSTDCCC020EC

Tot Ion: 58 Resp: 50865

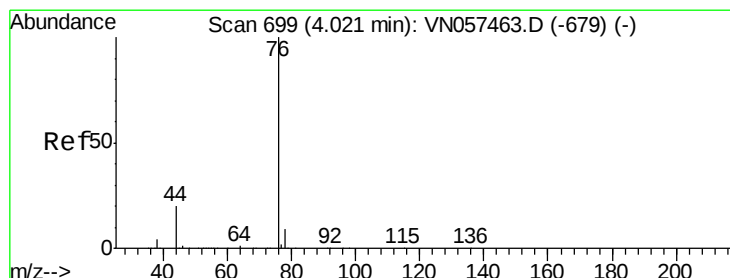
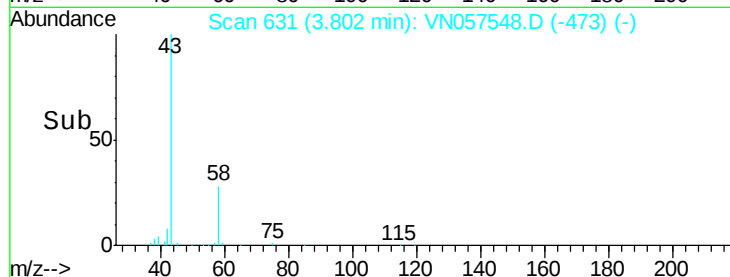
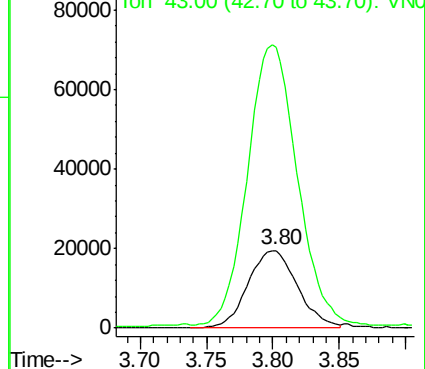
Ion Ratio Lower Upper

58 100

43 357.4 304.4 456.6



Abundance Ion 58.00 (57.70 to 58.70): VN057548.D (-631) (-)



#16

Carbon Disulfide

Concen: 20.047 ug/l

RT: 4.02 min Scan# 699

Delta R.T. 0.00 min

Lab File: VN057548.D

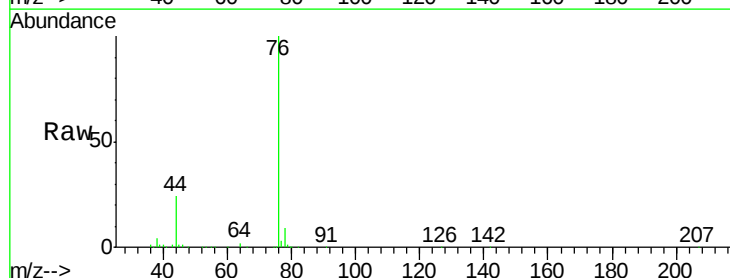
Acq: 27 Aug 2019 12:00

Tgt Ion: 76 Resp: 188663

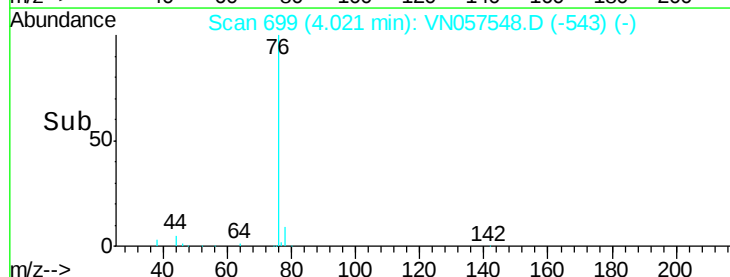
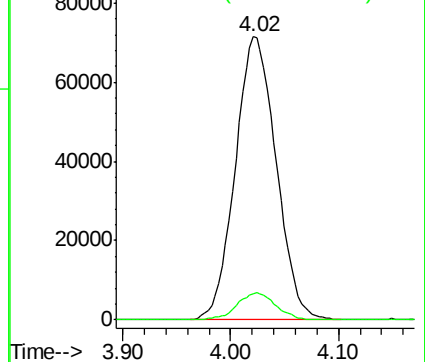
Ion Ratio Lower Upper

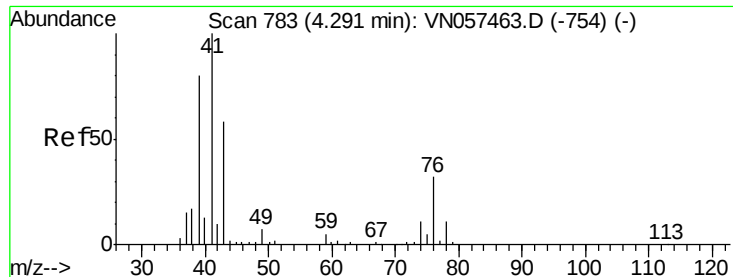
76 100

78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN057548.D (-699) (-)

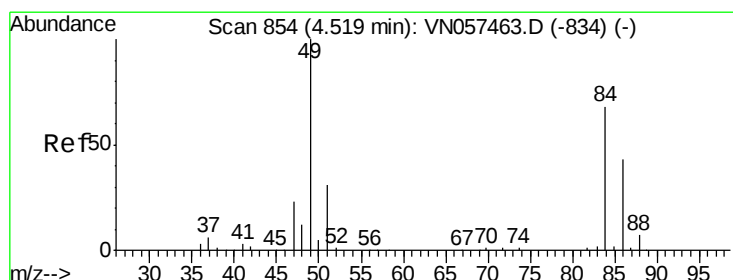
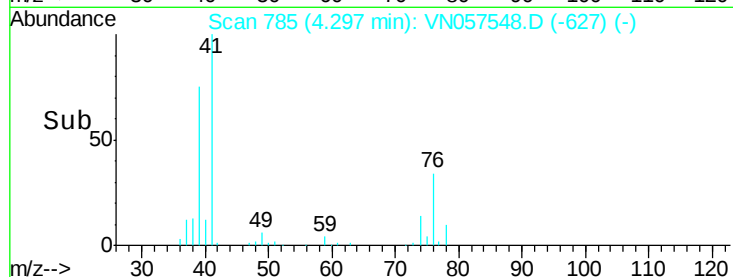
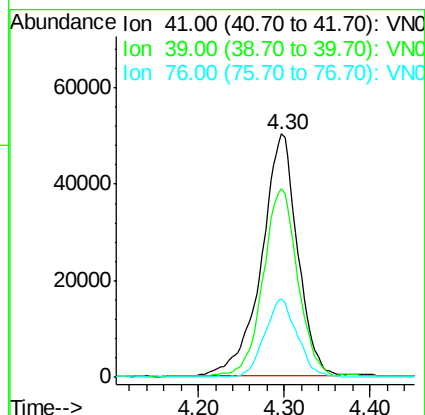
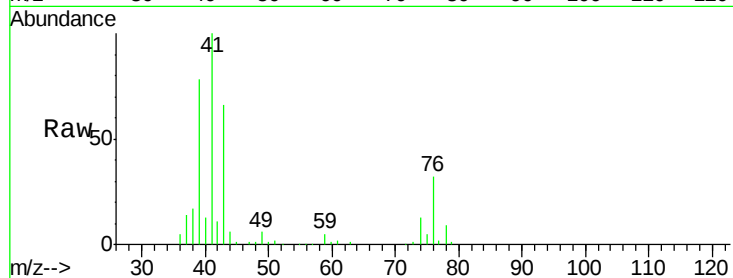




#17
Allvl chloride
Concen: 20.210 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

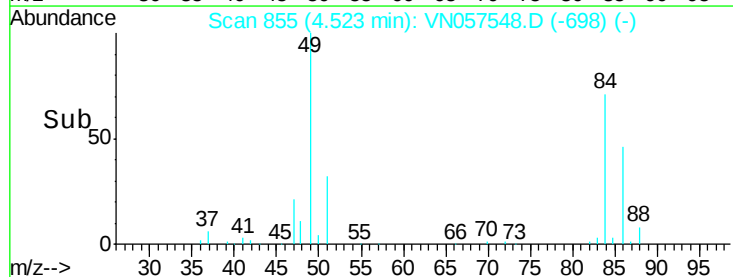
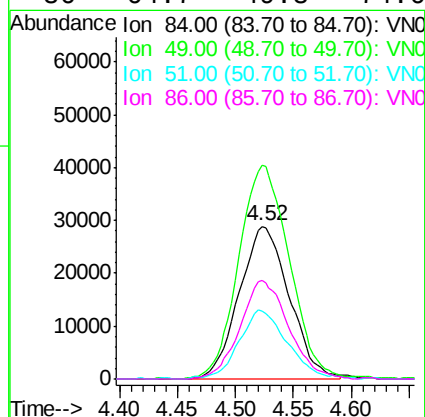
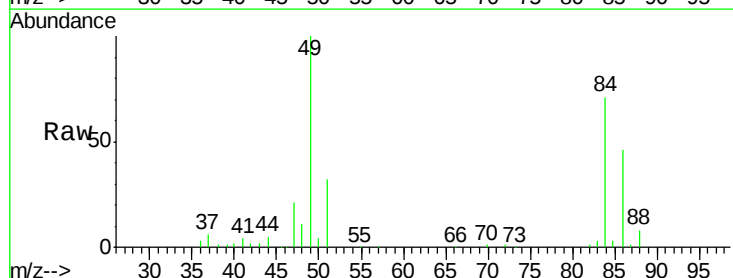
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

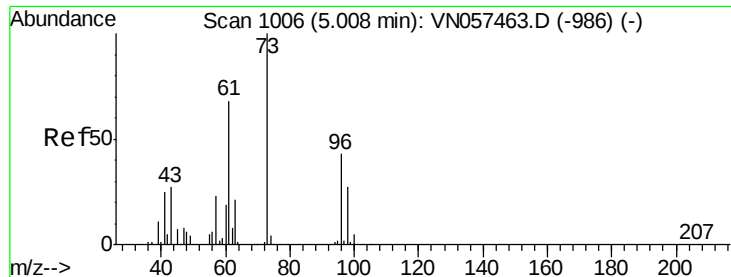
Tot Ion: 41 Resp: 145675
Ion Ratio Lower Upper
41 100
39 77.5 40.1 120.2
76 32.5 16.2 48.6



#18
Methylene Chloride
Concen: 22.294 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

Tgt Ion: 84 Resp: 86385
Ion Ratio Lower Upper
84 100
49 139.1 116.8 175.2
51 43.9 36.4 54.6
86 64.7 49.8 74.6

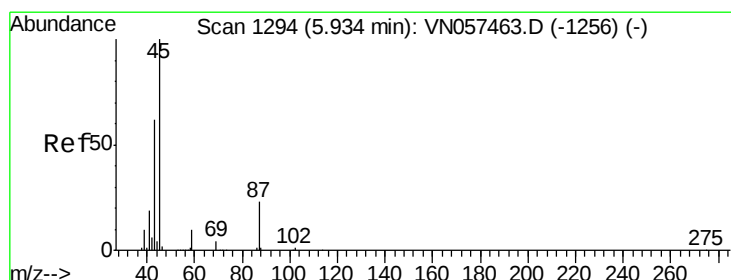
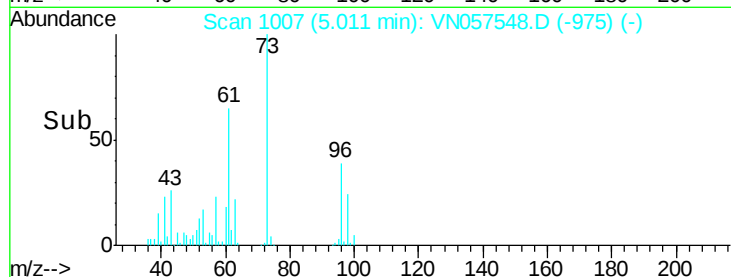
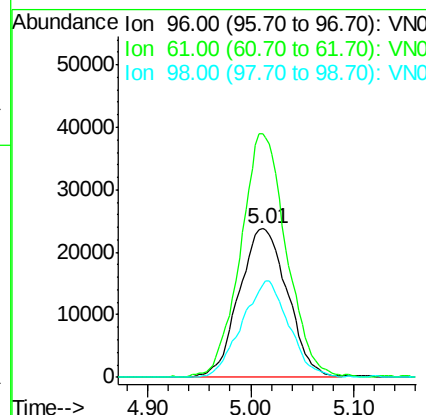
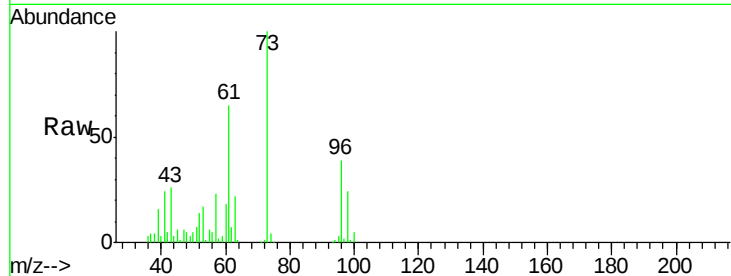




#19
trans-1,2-Dichloroethene
Concen: 21.228 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

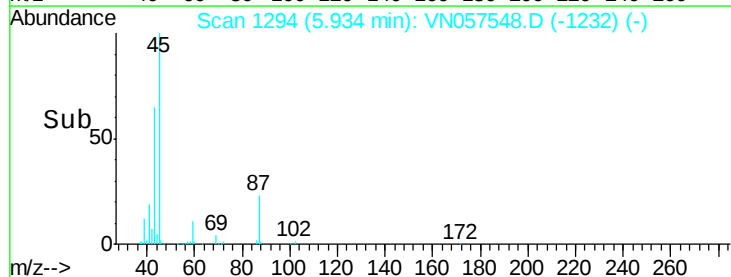
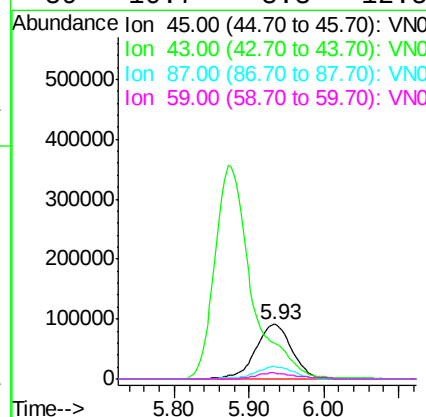
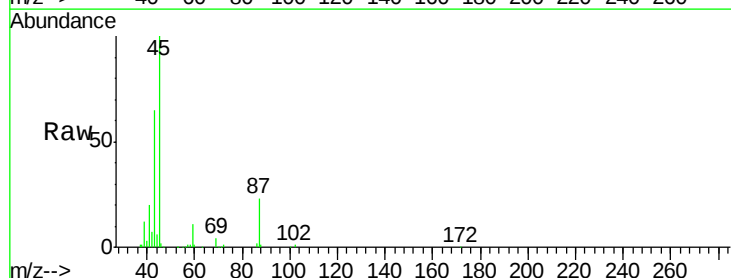
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

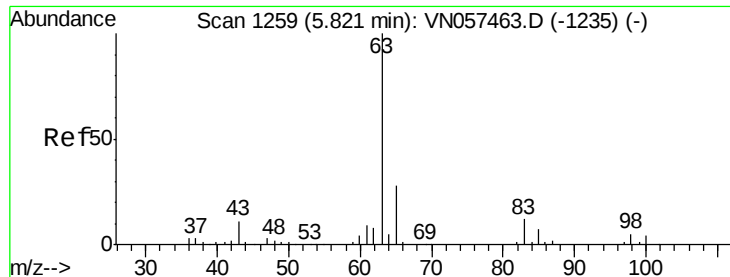
Tot Ion: 96 Resp: 77458
Ion Ratio Lower Upper
96 100
61 162.5 127.6 191.4
98 62.1 51.5 77.3



#20
Diisopropyl ether
Concen: 19.947 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

Tgt Ion: 45 Resp: 306953
Ion Ratio Lower Upper
45 100
43 62.9 49.9 74.9
87 22.9 19.1 28.7
59 10.7 8.3 12.5

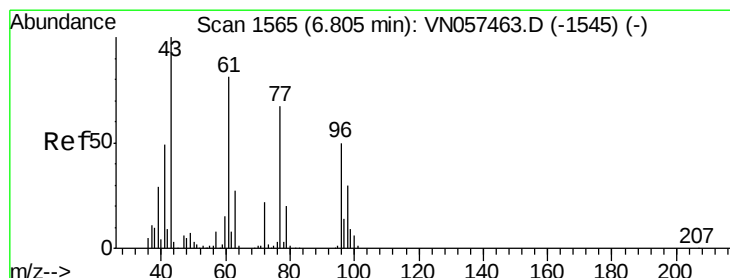
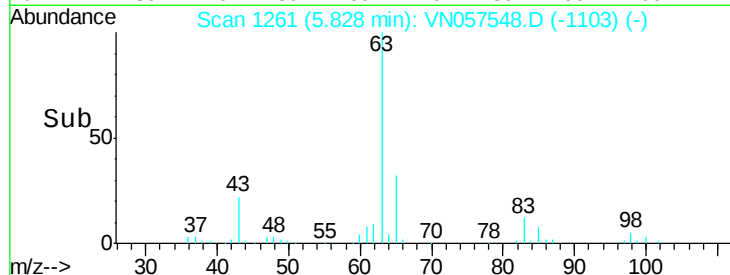
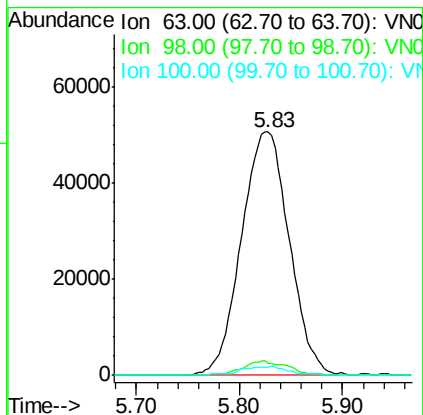
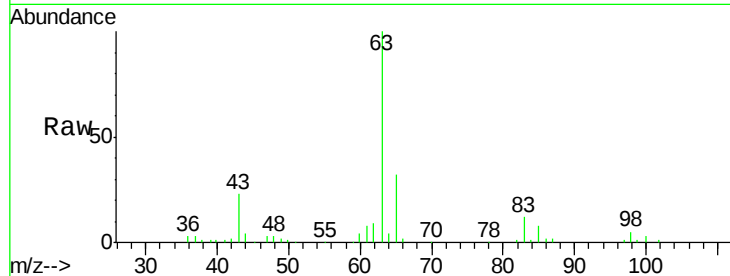




#21
 1,1-Dichloroethane
 Concen: 20.392 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

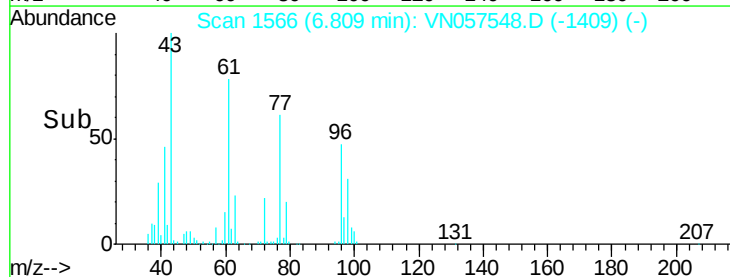
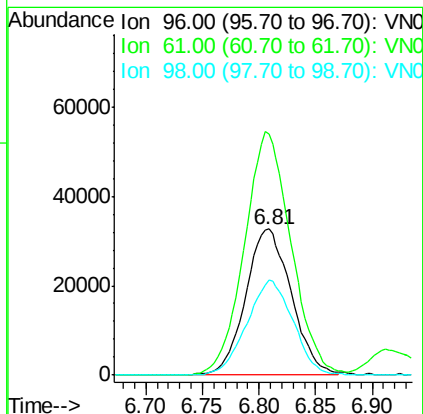
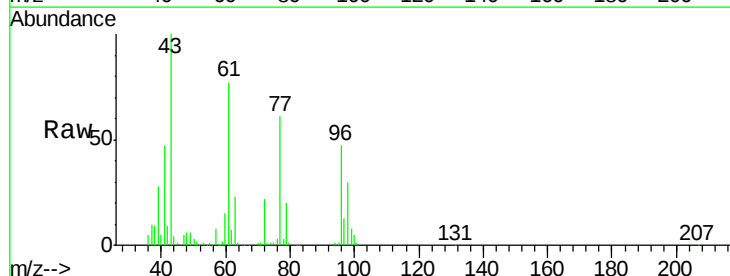
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

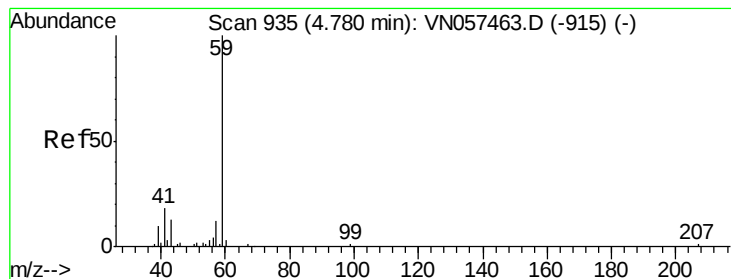
Tot Ion: 63 Resp: 163065
 Ion Ratio Lower Upper
 63 100
 98 5.2 2.4 7.1
 100 3.4 2.1 6.3



#22
 cis-1,2-Dichloroethene
 Concen: 20.687 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

Tgt Ion: 96 Resp: 91812
 Ion Ratio Lower Upper
 96 100
 61 169.5 134.4 201.6
 98 65.6 51.4 77.0





#23

tert-Butyl Alcohol

Concen: 96.577 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

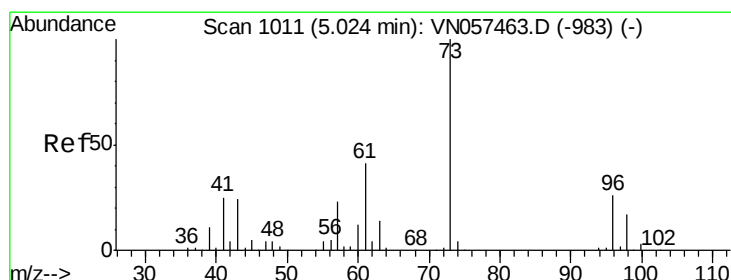
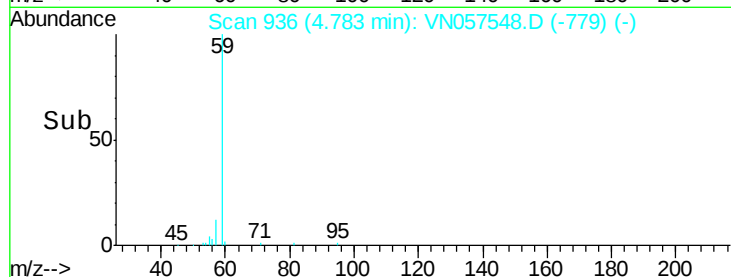
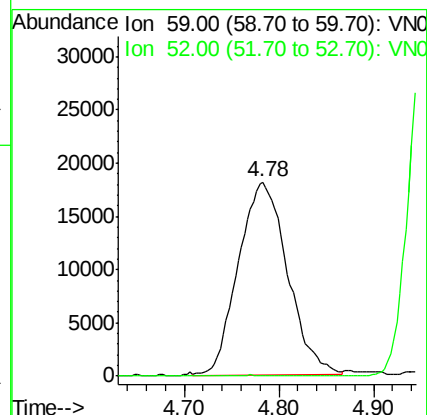
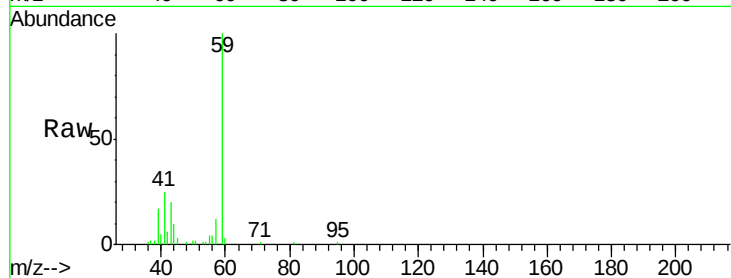
VSTDCCC020EC

Tot Ion: 59 Resp: 64869

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 20.955 ug/l

RT: 5.02 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN057548.D

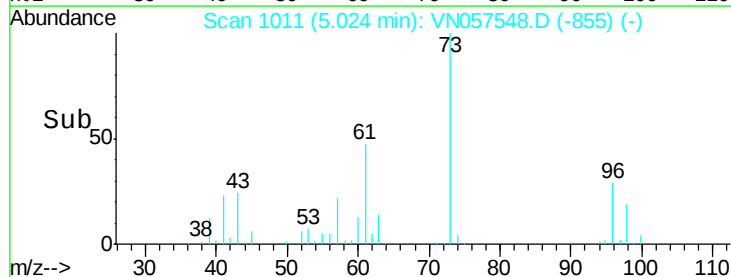
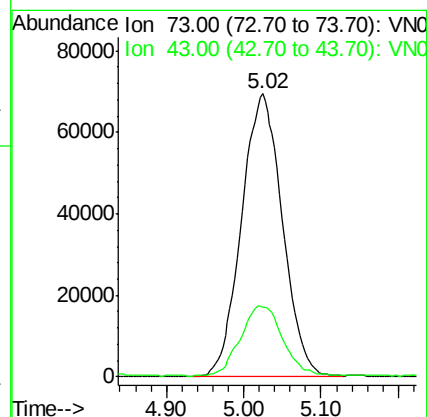
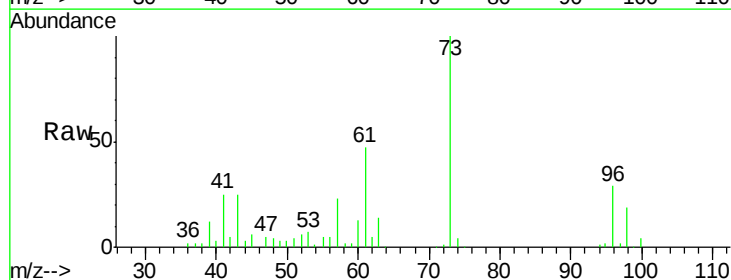
Acq: 27 Aug 2019 12:00

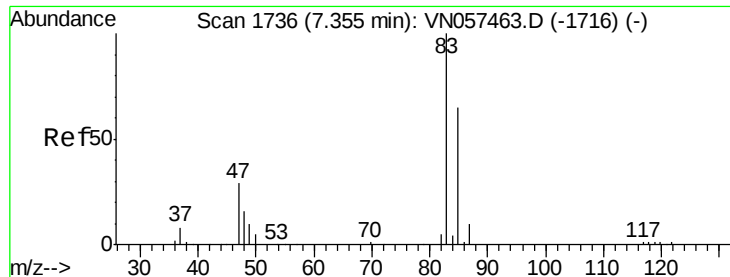
Tgt Ion: 73 Resp: 255807

Ion Ratio Lower Upper

73 100

43 24.5 20.1 30.1

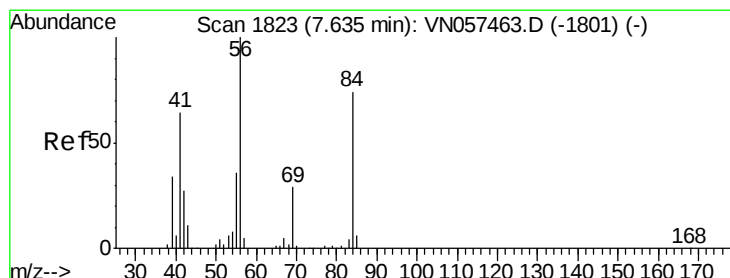
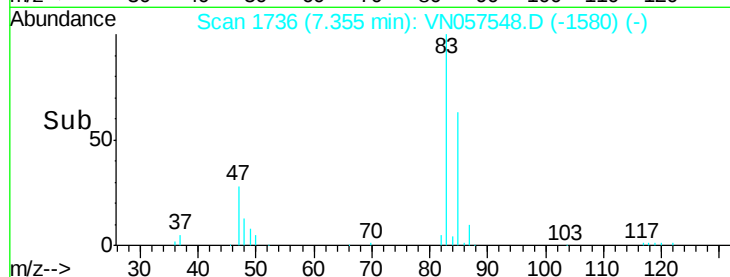
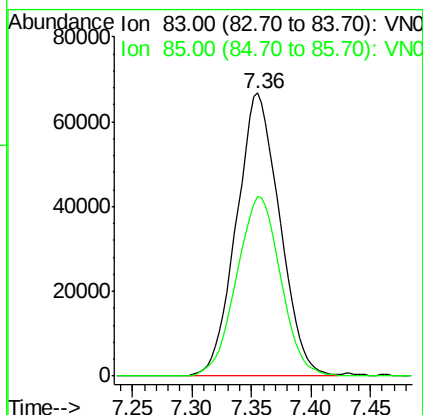
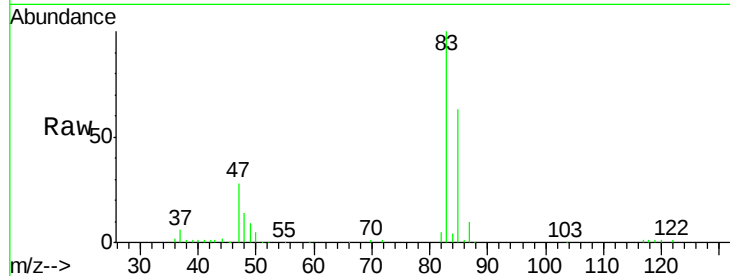




#25
Chloroform
Concen: 21.196 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

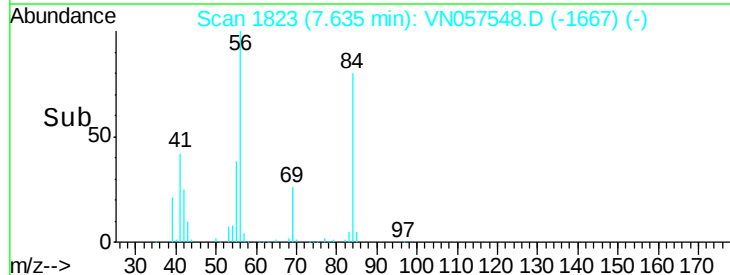
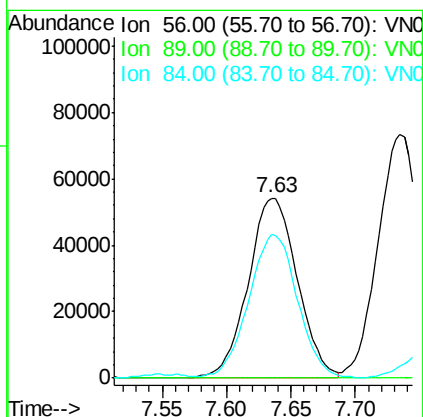
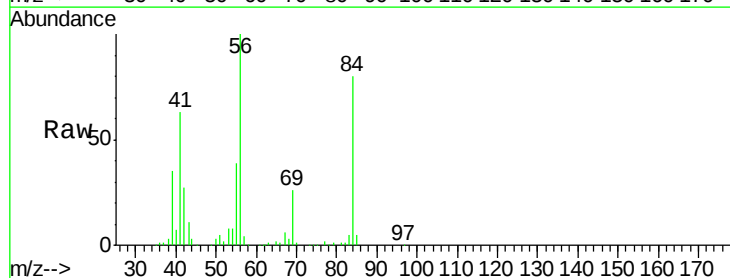
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

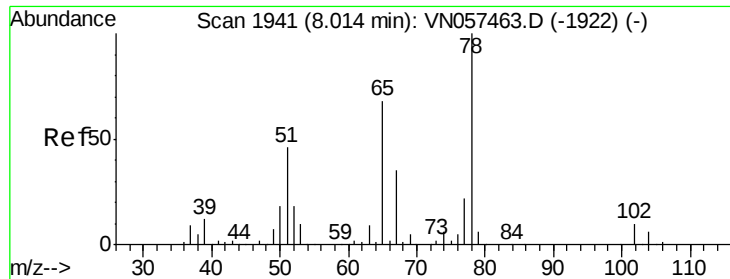
Tot Ion: 83 Resp: 168276
Ion Ratio Lower Upper
83 100
85 63.4 52.0 78.0



#26
Cyclohexane
Concen: 20.166 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

Tgt Ion: 56 Resp: 143591
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 78.5 61.1 91.7

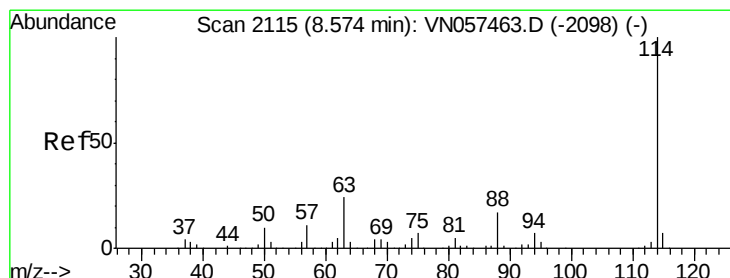
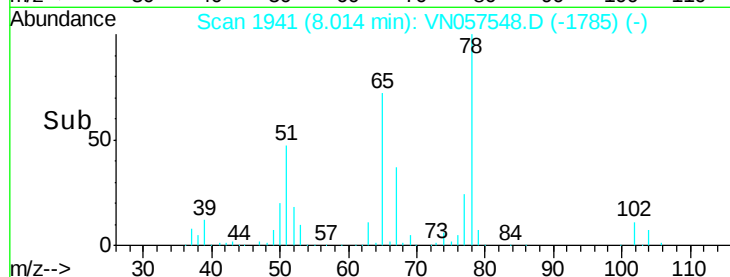
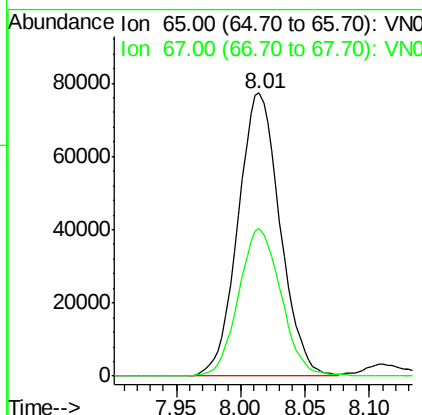
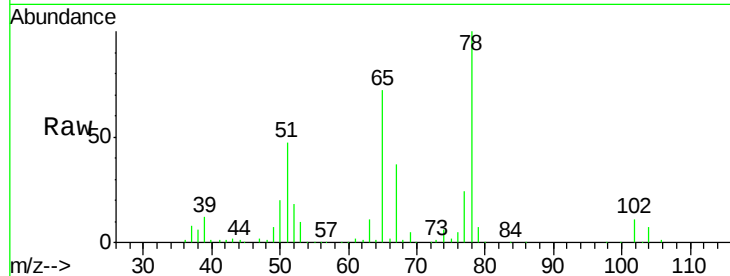




#27
 1,2-Dichloroethane-d4
 Concen: 29.774 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

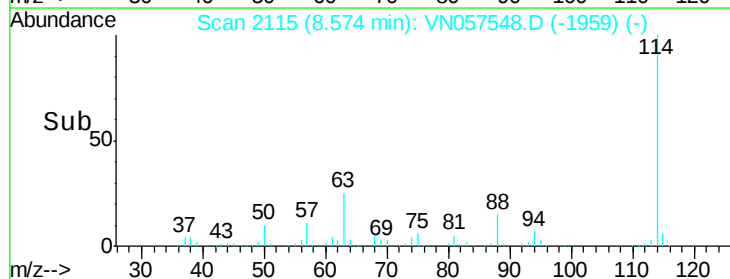
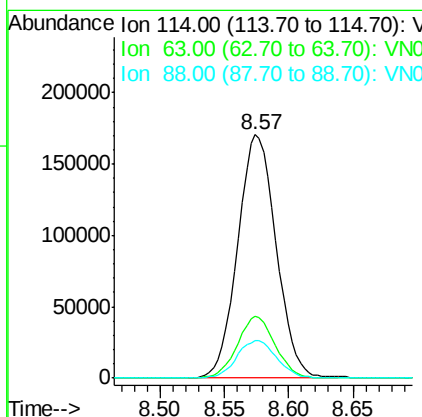
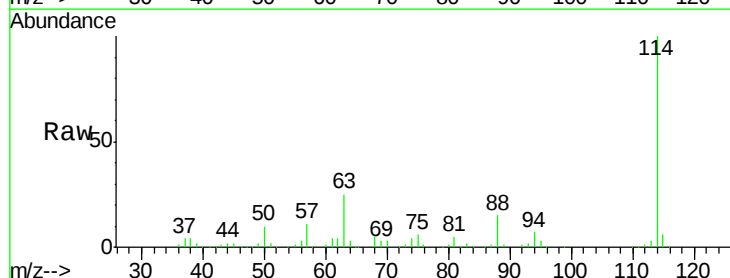
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

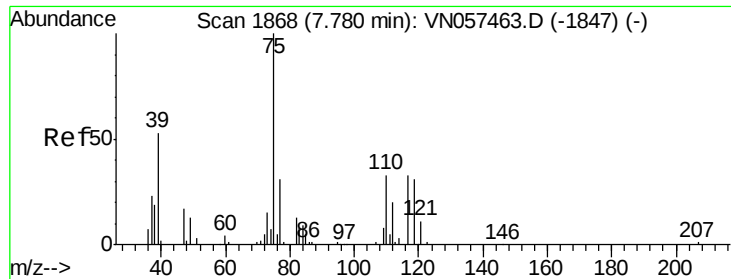
Tot Ion: 65 Resp: 175708
 Ion Ratio Lower Upper
 65 100
 67 52.5 40.2 60.4



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

Tgt Ion: 114 Resp: 354470
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.6 29.4
 88 16.0 13.1 19.7

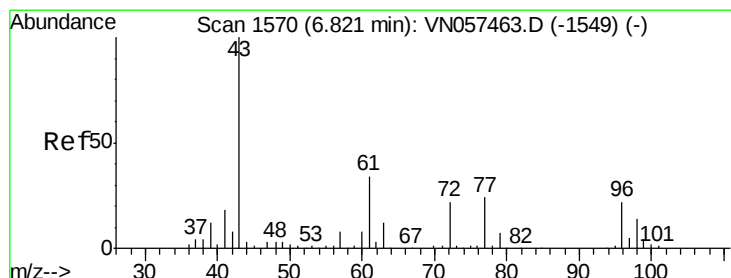
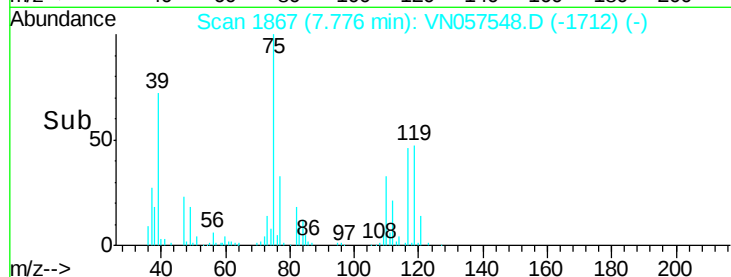
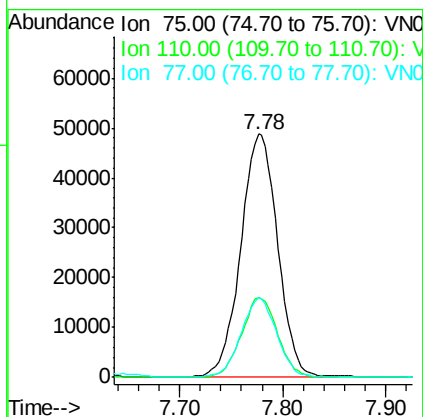
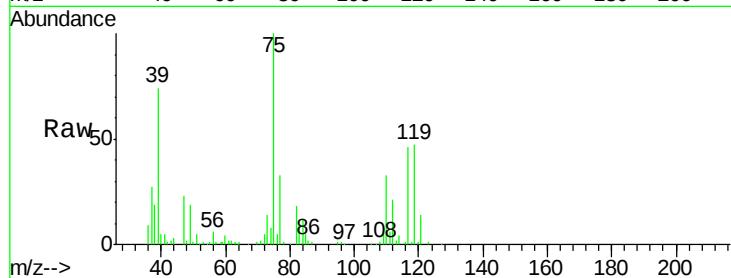




#29
 1,1-Dichloropropene
 Concen: 20.160 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

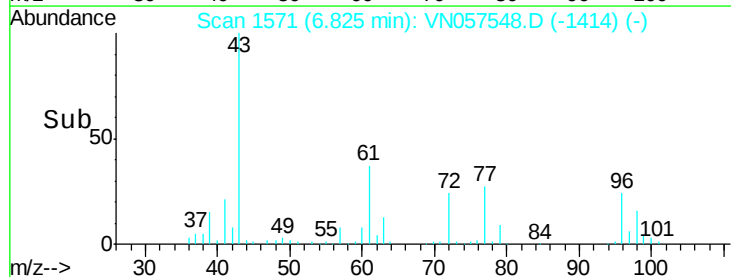
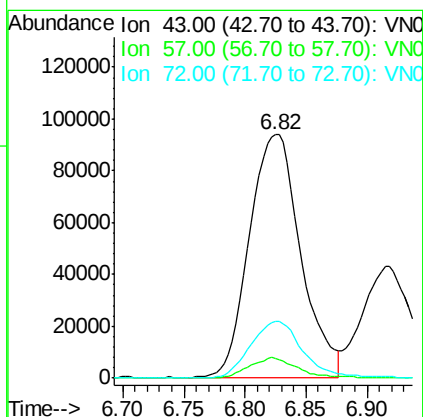
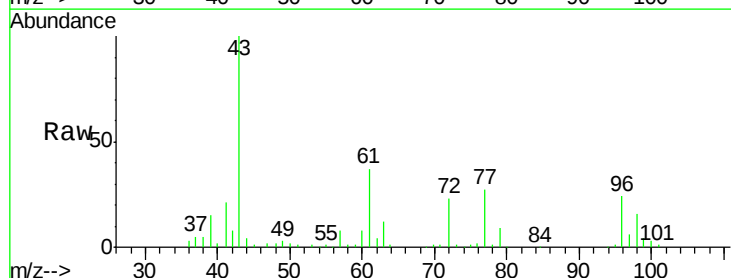
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

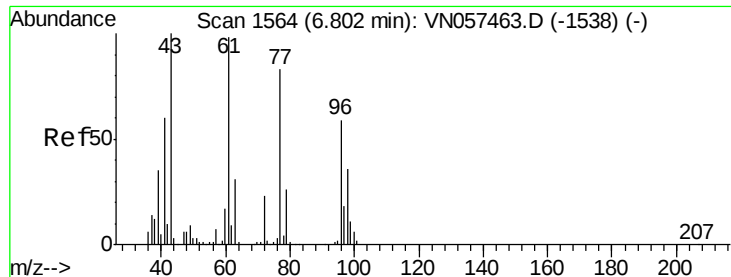
Tot Ion	Ratio	Lower	Upper
75	100		
110	32.0	0.0	64.0
77	31.7	0.0	63.4



#30
 2-Butanone
 Concen: 94.338 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.6	5.7	8.5
72	23.5	18.2	27.2





#31

2,2-Dichloropropane

Concen: 20.013 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

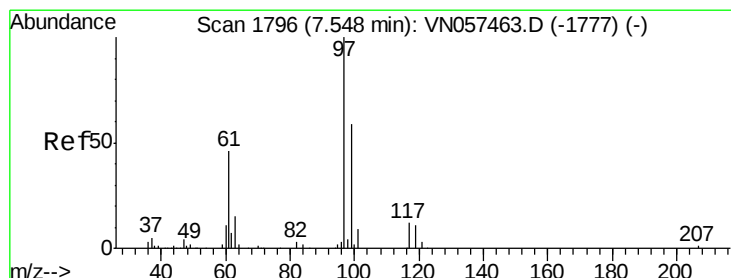
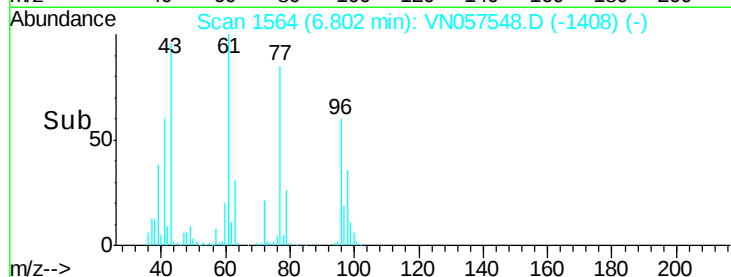
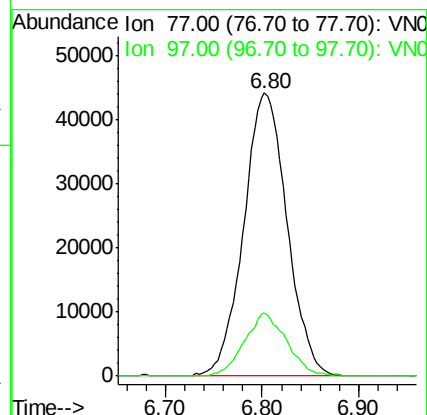
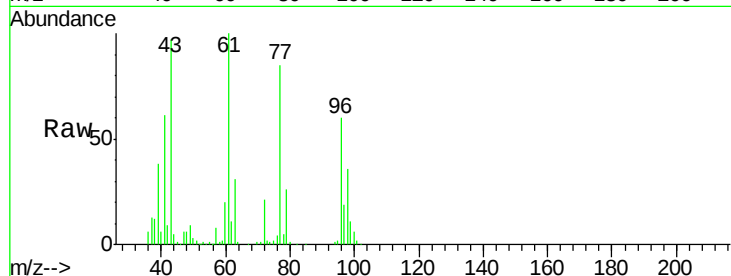
VSTDCCC020EC

Tot Ion: 77 Resp: 137753

Ion Ratio Lower Upper

77 100

97 21.5 17.0 25.4



#32

1,1,1-Trichloroethane

Concen: 20.432 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.01 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

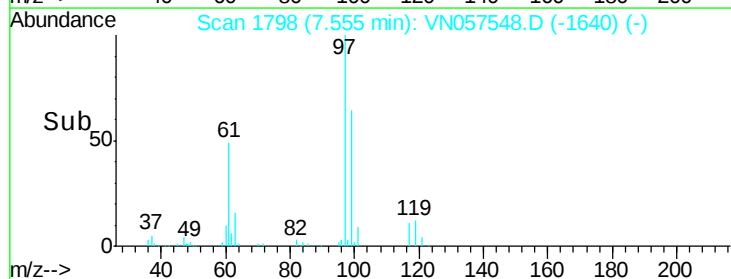
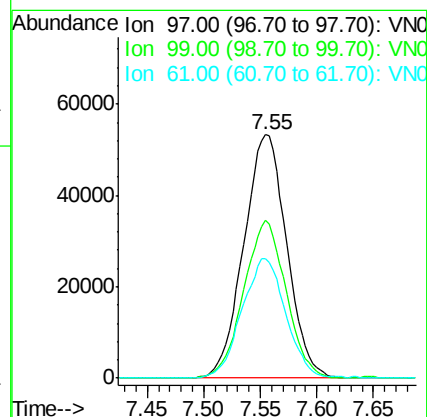
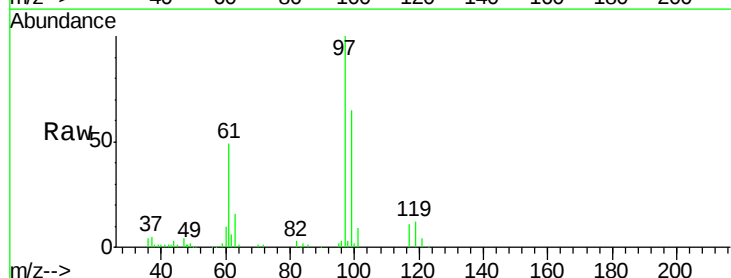
Tgt Ion: 97 Resp: 140712

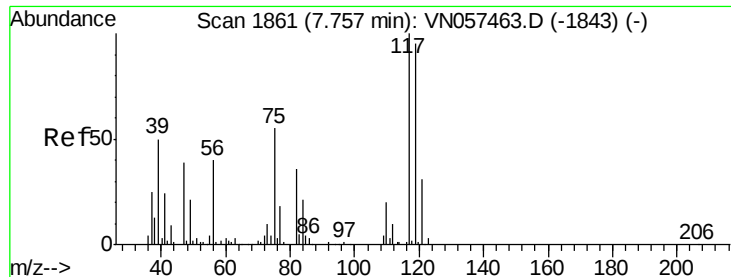
Ion Ratio Lower Upper

97 100

99 63.7 49.6 74.4

61 49.9 40.9 61.3

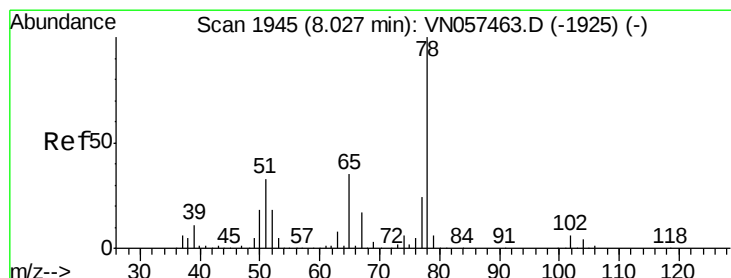
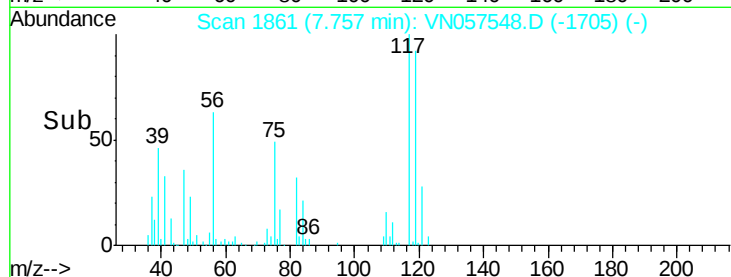
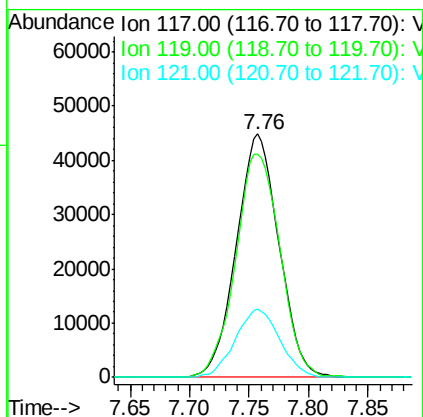
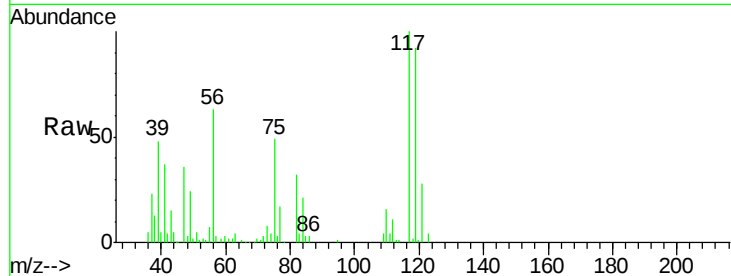




#33
Carbon Tetrachloride
Concen: 19.396 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

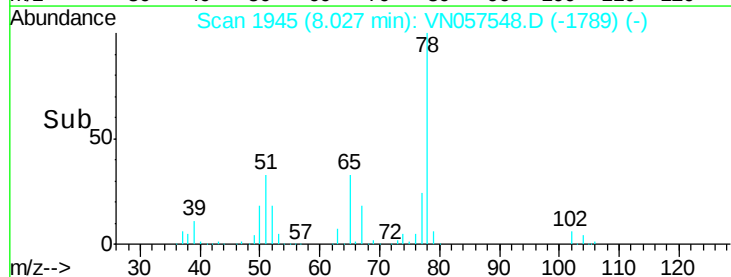
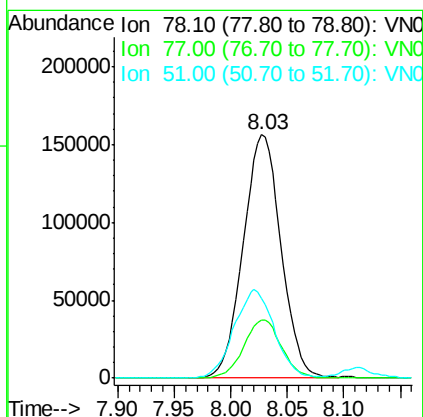
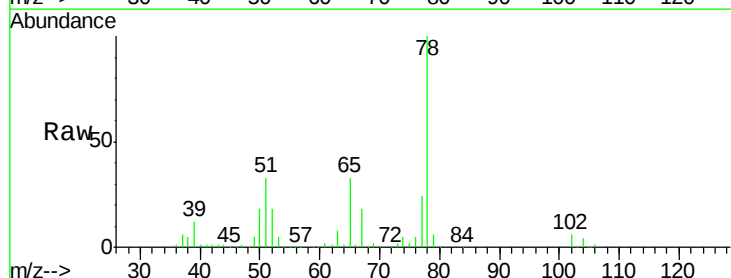
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

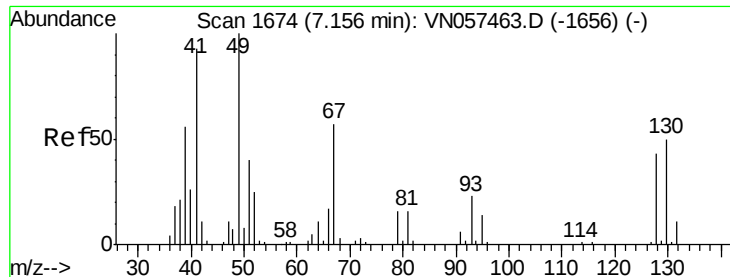
Tot Ion:117 Resp: 110921
Ion Ratio Lower Upper
117 100
119 91.7 76.8 115.2
121 28.2 24.8 37.2



#34
Benzene
Concen: 20.537 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

Tgt Ion: 78 Resp: 363821
Ion Ratio Lower Upper
78 100
77 23.9 19.5 29.3
51 32.8 26.0 39.0

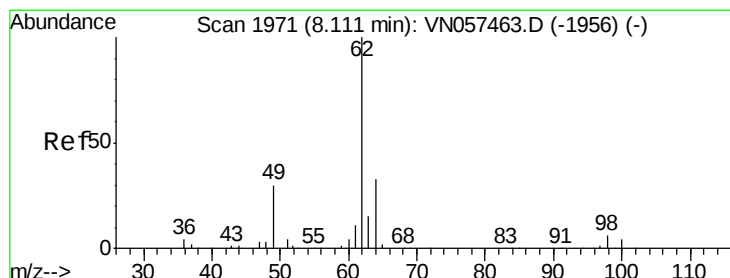
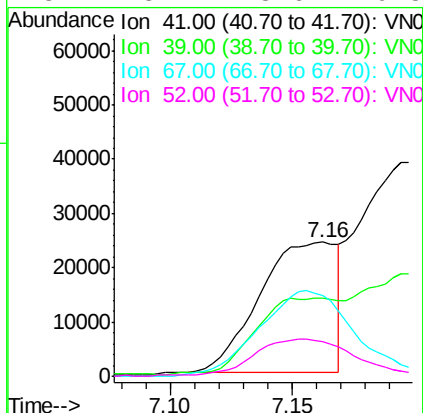
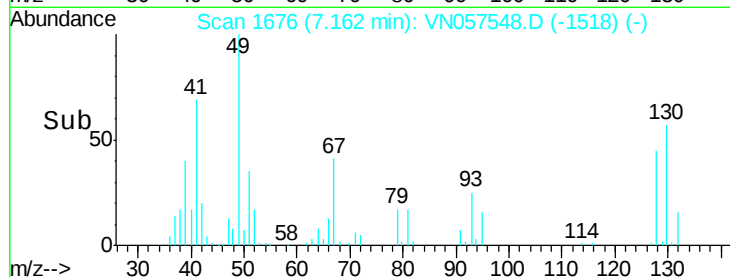
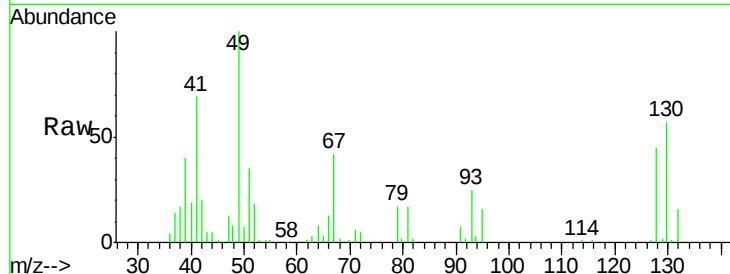




#35
Methacrylonitrile
Concen: 18.097 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

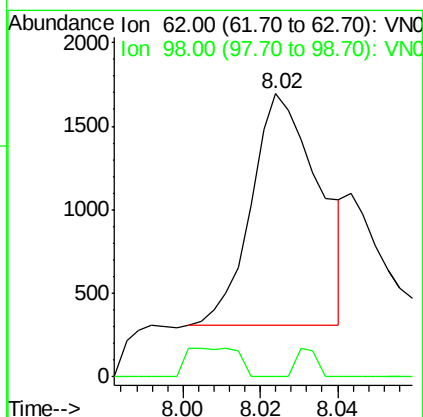
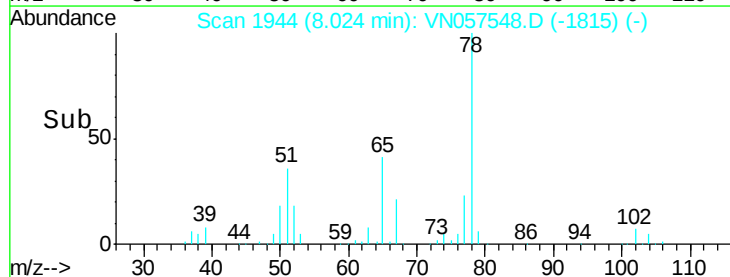
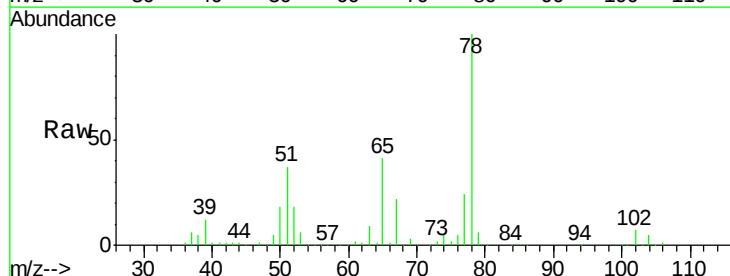
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

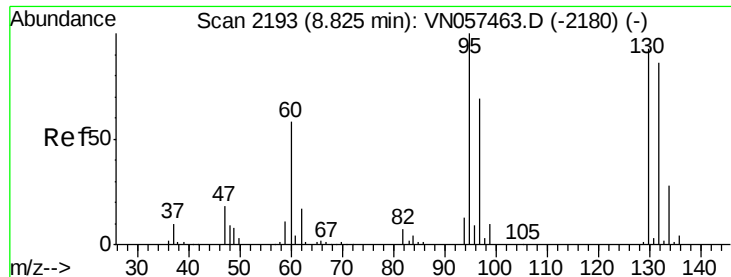
Tot Ion:	41	Resp:	53048
Ion	Ratio	Lower	Upper
41	100		
39	57.4	30.5	91.5
67	60.3	30.9	92.5
52	25.4	13.6	40.8



#36
1,2-Dichloroethane
Concen: 0.243 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.09 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

Tgt Ion:	62	Resp:	1689
Ion	Ratio	Lower	Upper
62	100		
98	3.7	2.8	4.2

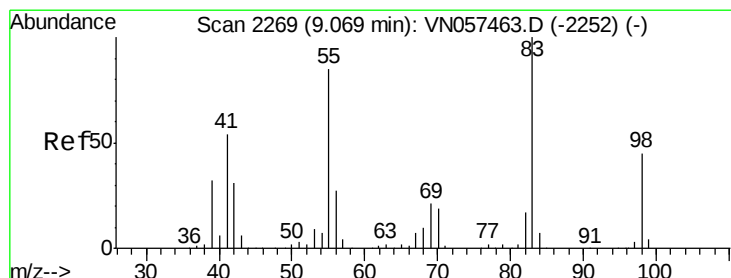
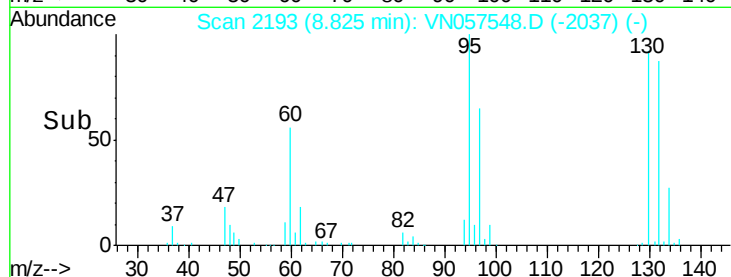
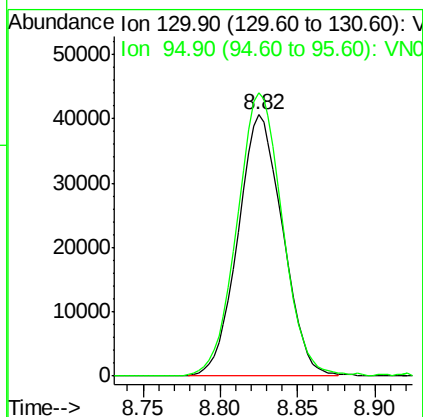
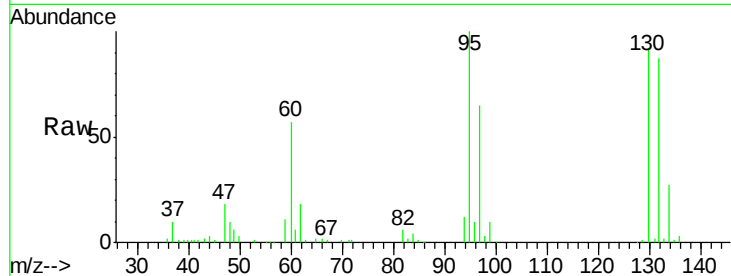




#37
 Trichloroethene
 Concen: 20.200 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

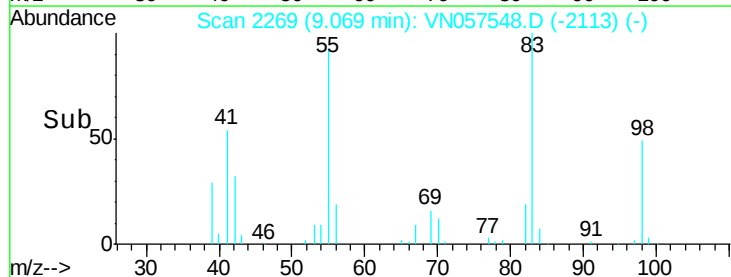
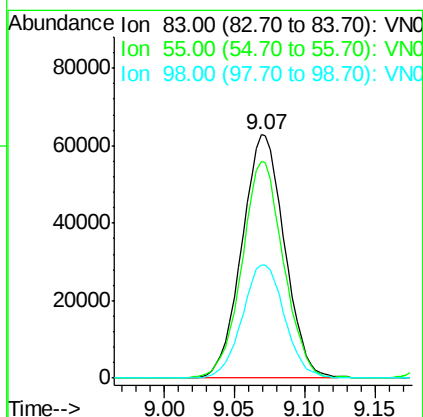
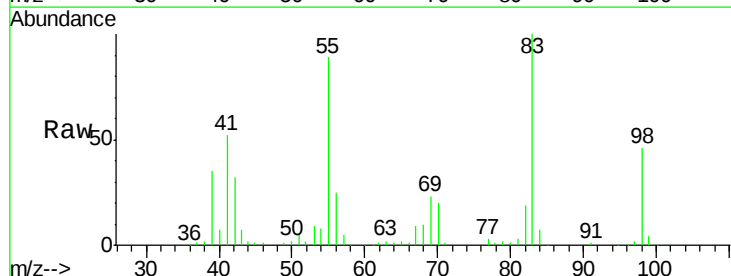
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

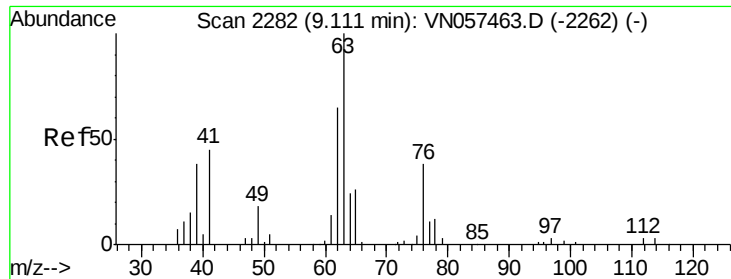
Tot Ion:130 Resp: 81642
 Ion Ratio Lower Upper
 130 100
 95 107.8 86.4 129.6



#38
 Methylcyclohexane
 Concen: 19.626 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

Tgt Ion: 83 Resp: 132706
 Ion Ratio Lower Upper
 83 100
 55 86.8 43.3 129.8
 98 46.3 22.8 68.4

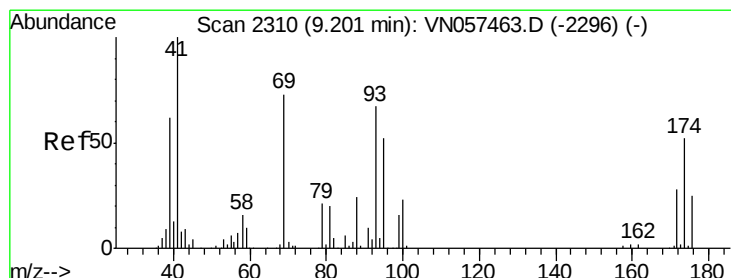
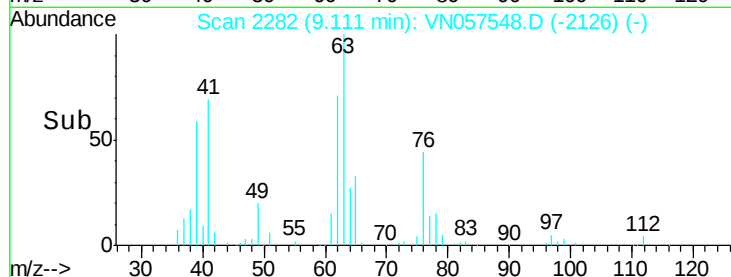
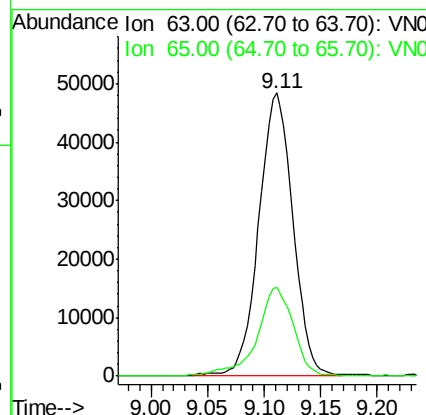
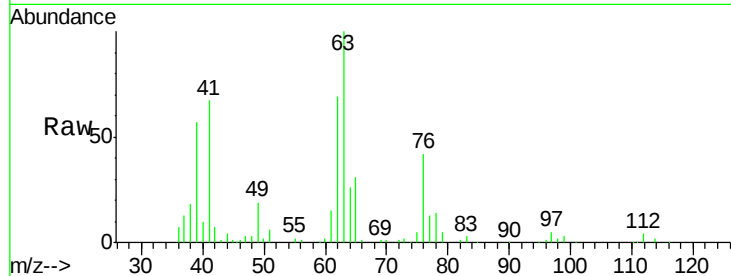




#39
 1,2-Dichloropropane
 Concen: 20.160 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

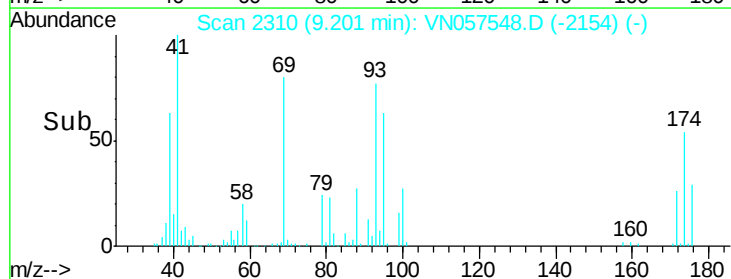
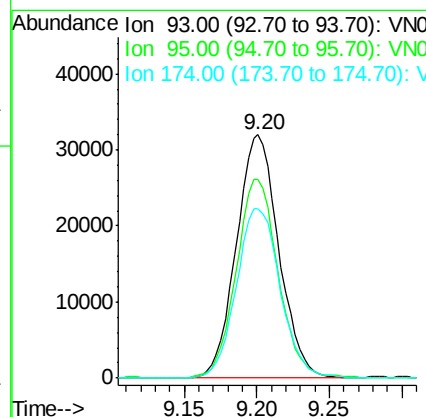
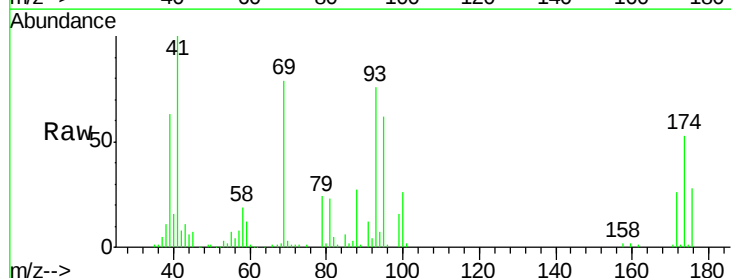
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

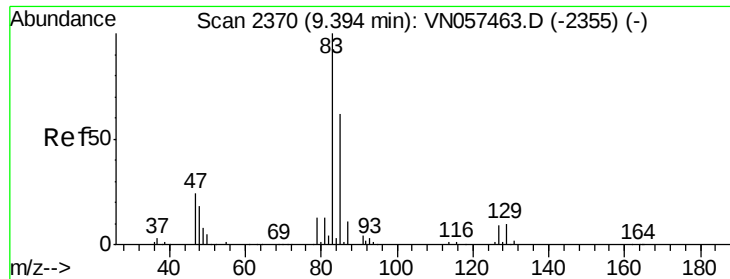
Tot Ion: 63 Resp: 101550
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.6 32.4



#40
 Dibromomethane
 Concen: 21.039 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

Tgt Ion: 93 Resp: 64768
 Ion Ratio Lower Upper
 93 100
 95 80.7 0.0 160.8
 174 72.3 0.0 157.2





#41

Bromodichloromethane

Concen: 19.142 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

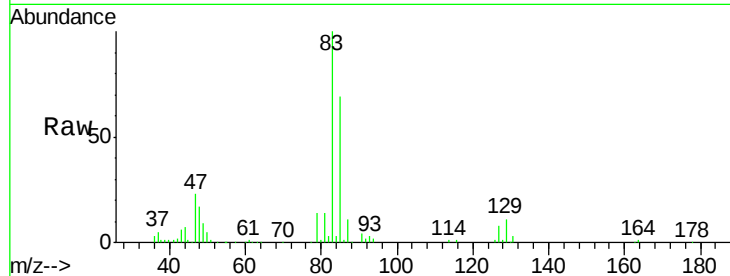
Tot Ion: 83 Resp: 124980

Ion Ratio Lower Upper

83 100

85 68.9 49.8 74.8

127 8.0 7.6 11.4

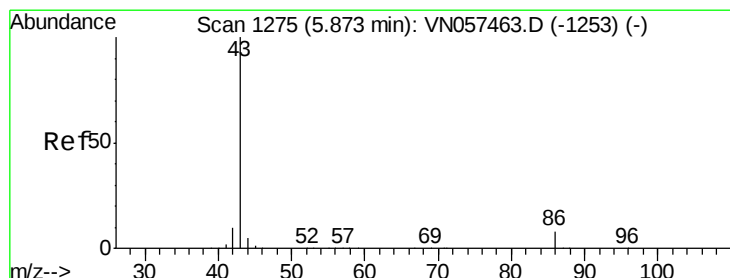
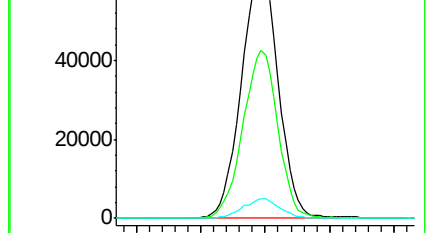
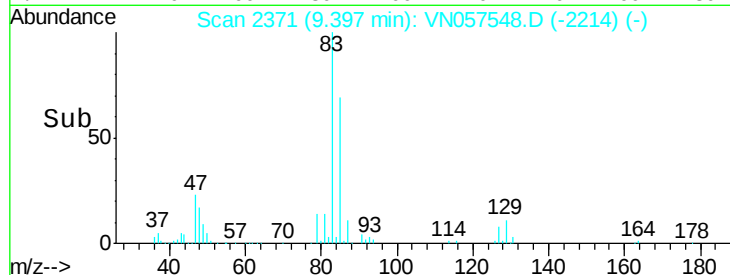


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0

Time-->



#42

Vinyl Acetate

Concen: 92.938 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057548.D

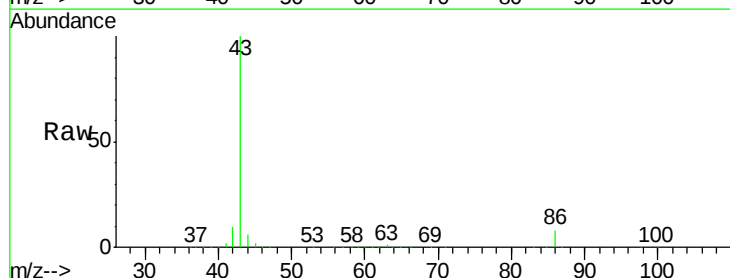
Acq: 27 Aug 2019 12:00

Tgt Ion: 43 Resp: 1204629

Ion Ratio Lower Upper

43 100

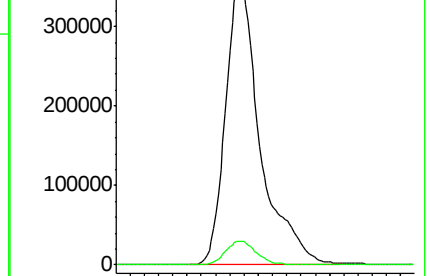
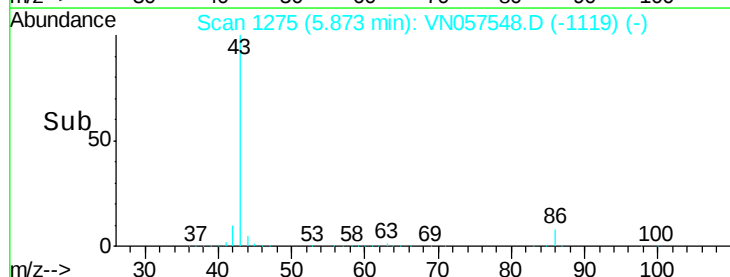
86 7.4 5.7 8.5

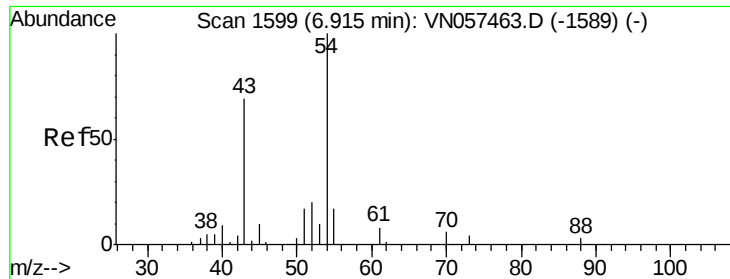


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

Time-->





#43

Ethyl Acetate

Concen: 19.641 ug/l

RT: 6.91 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

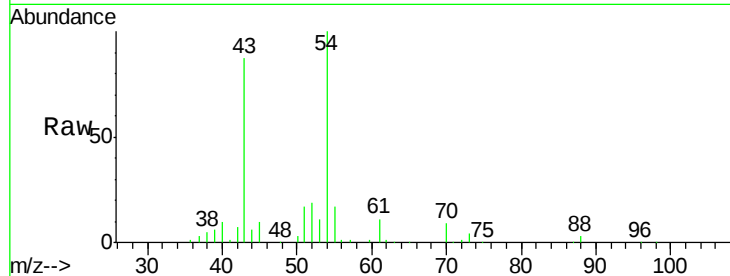
VSTDCCC020EC

Tot Ion: 43 Resp: 110735

Ion Ratio Lower Upper

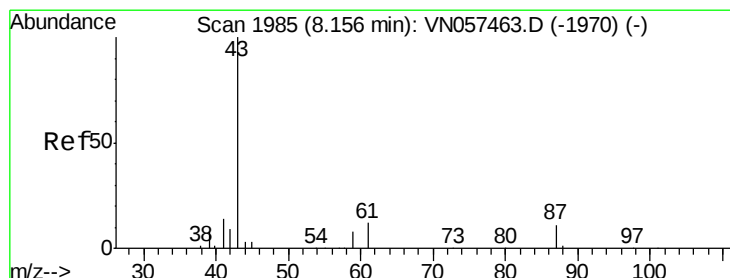
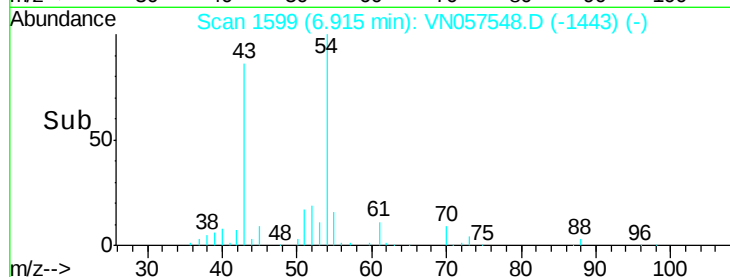
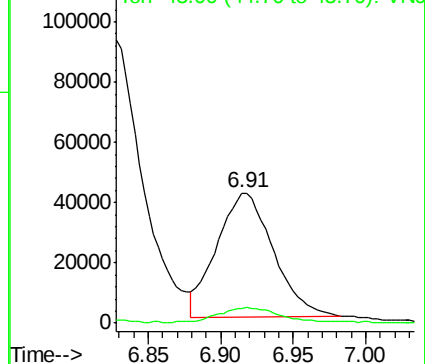
43 100

45 12.2 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 18.667 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057548.D

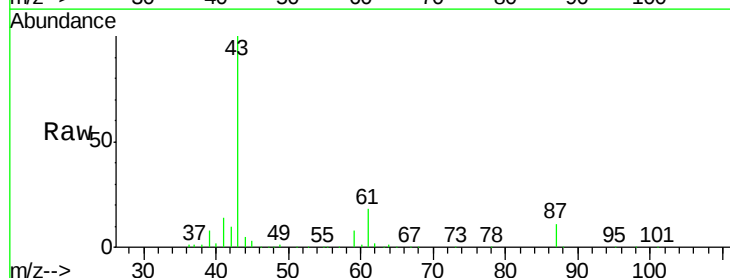
Acq: 27 Aug 2019 12:00

Tgt Ion: 43 Resp: 200902

Ion Ratio Lower Upper

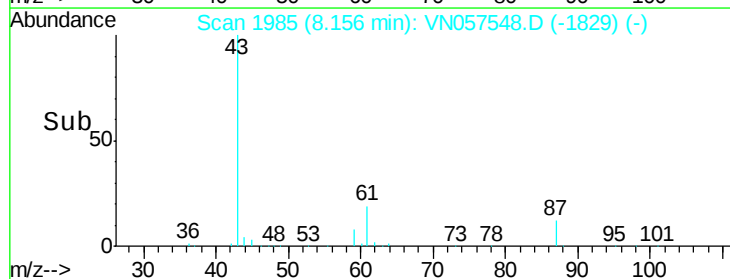
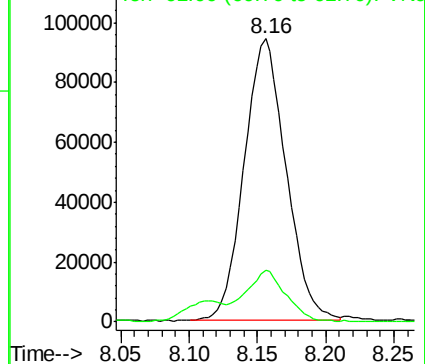
43 100

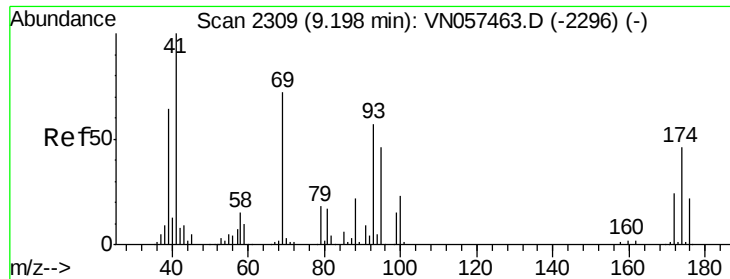
61 16.8 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

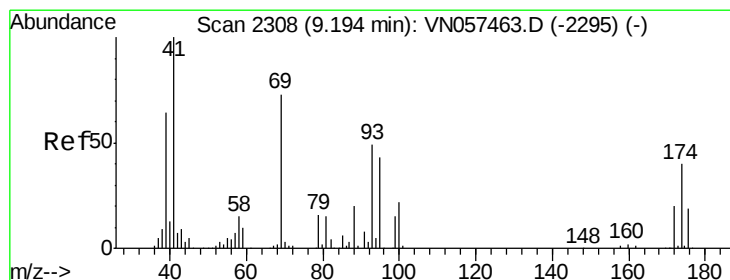
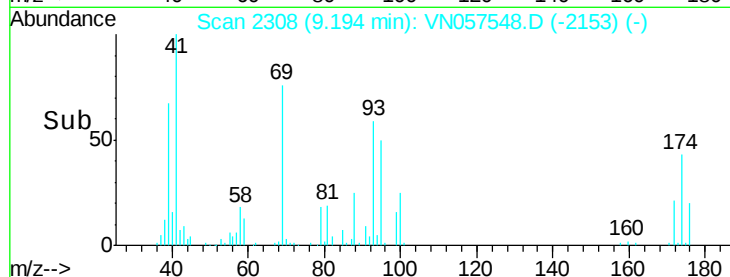
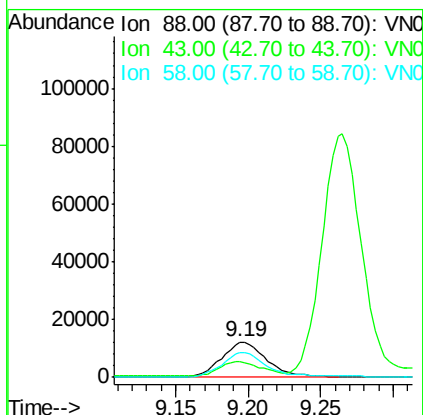
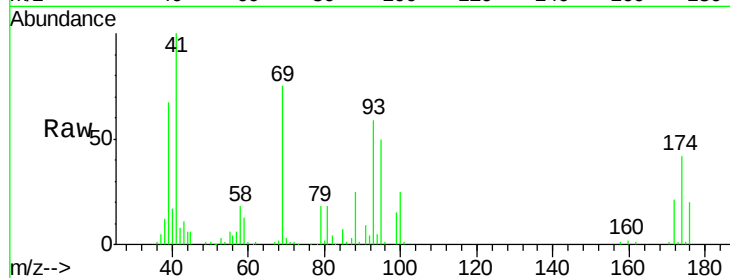




#45
 1,4-Dioxane
 Concen: 408.627 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

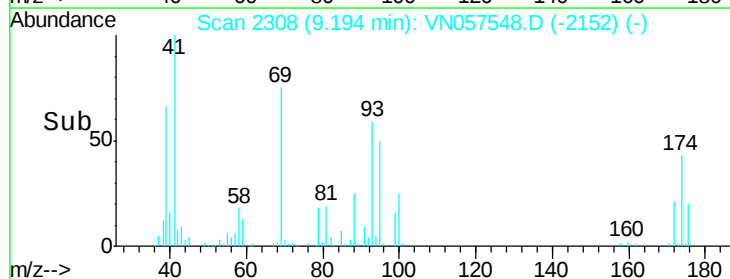
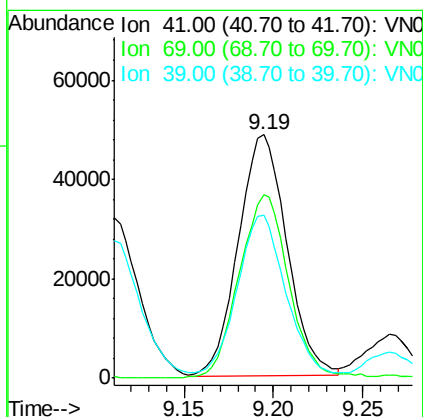
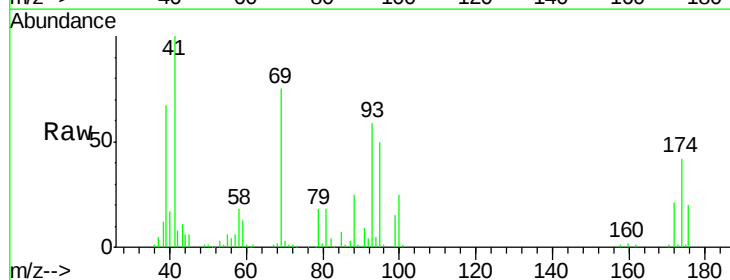
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

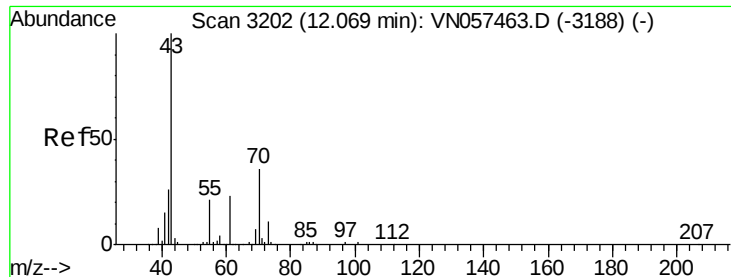
Tot Ion: 88 Resp: 26434
 Ion Ratio Lower Upper
 88 100
 43 35.0 29.8 44.6
 58 65.9 62.2 93.2



#46
 Methyl methacrylate
 Concen: 18.154 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

Tgt Ion: 41 Resp: 92787
 Ion Ratio Lower Upper
 41 100
 69 75.9 36.5 109.5
 39 65.5 32.1 96.3





#47

n-amvl Acetate

Concen: 16.660 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

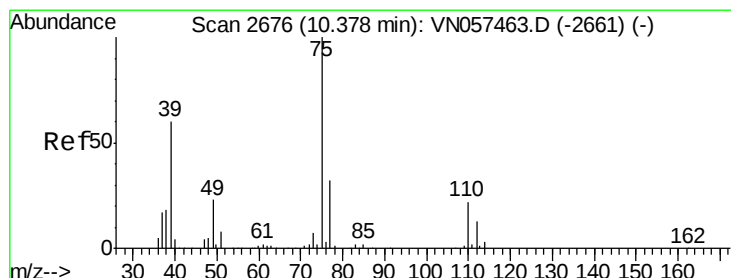
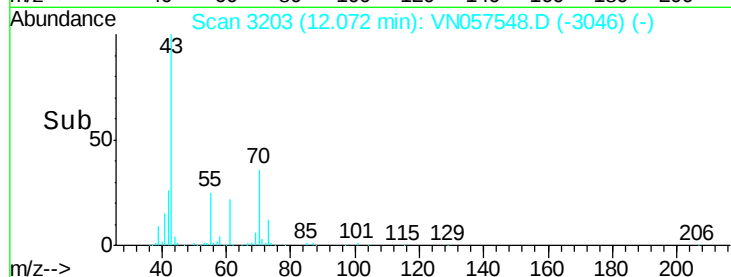
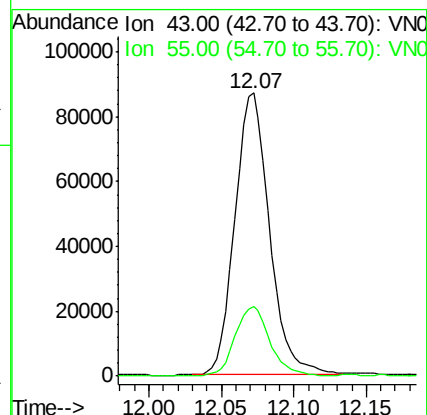
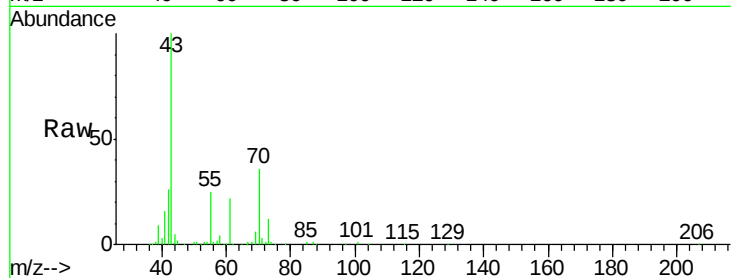
VSTDCCC020EC

Tot Ion: 43 Resp: 144304

Ion Ratio Lower Upper

43 100

55 24.9 17.0 25.6



#48

t-1,3-Dichloropropene

Concen: 17.575 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057548.D

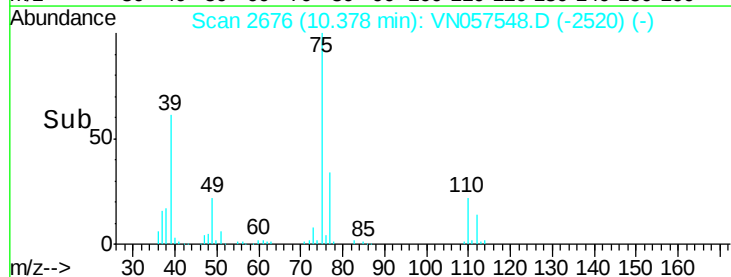
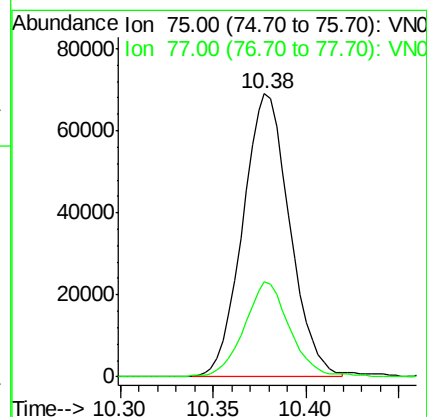
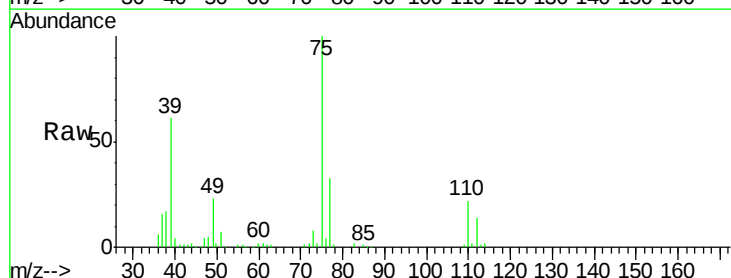
Acq: 27 Aug 2019 12:00

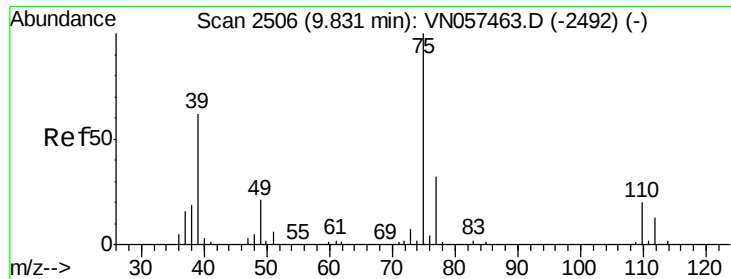
Tgt Ion: 75 Resp: 121222

Ion Ratio Lower Upper

75 100

77 33.0 25.7 38.5



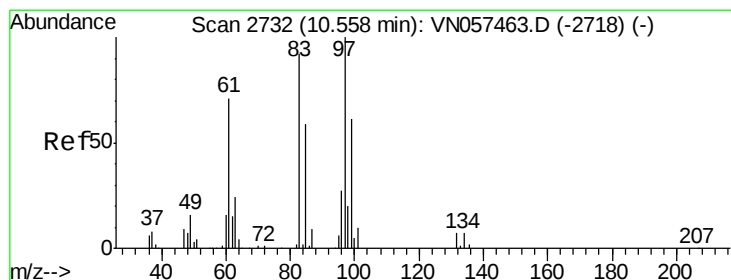
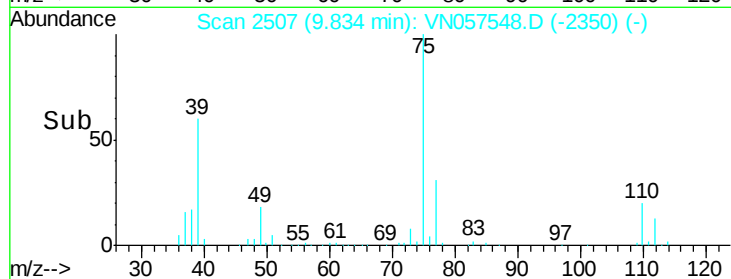
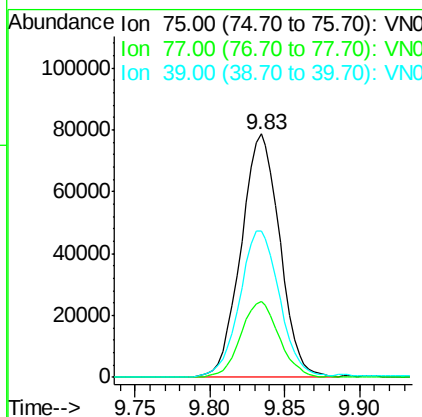
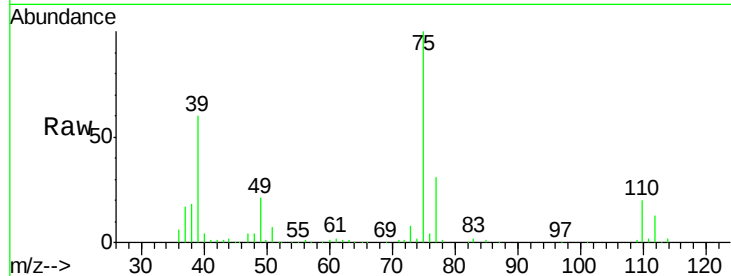


#49

cis-1,3-Dichloropropene
 Concen: 18.748 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

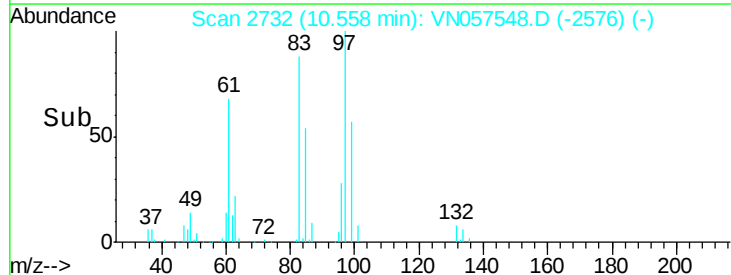
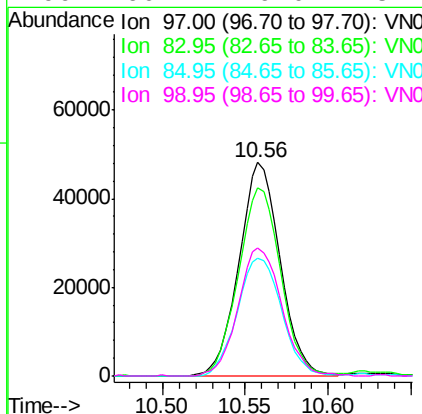
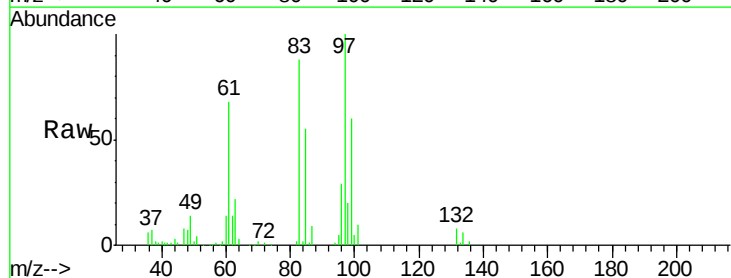
Tot Ion: 75 Resp: 142132
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.4 38.0
 39 60.0 49.8 74.6

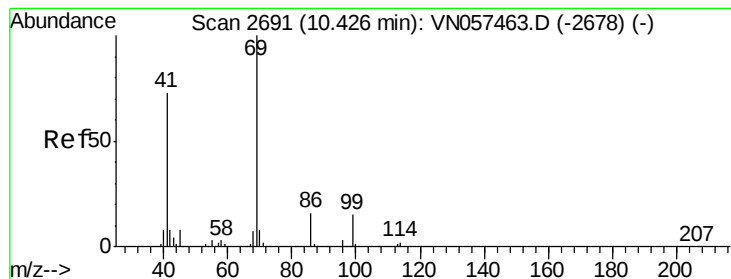


#50

1,1,2-Trichloroethane
 Concen: 20.578 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

Tgt Ion: 97 Resp: 83067
 Ion Ratio Lower Upper
 97 100
 83 87.9 73.2 109.8
 85 55.2 47.1 70.7
 99 60.1 49.0 73.4





#51

Ethyl methacrylate

Concen: 18.577 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

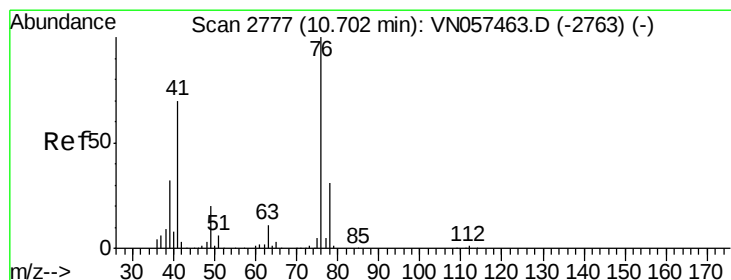
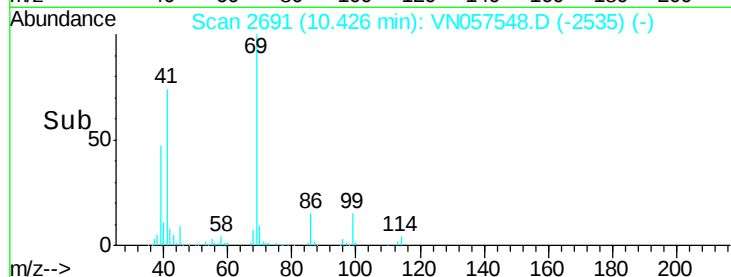
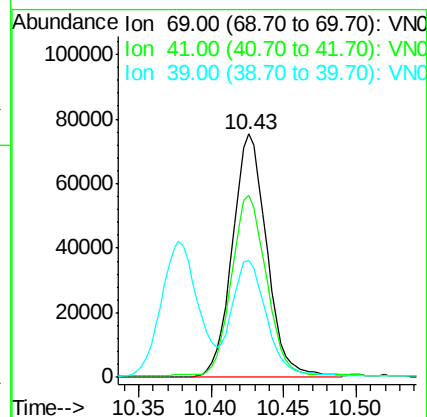
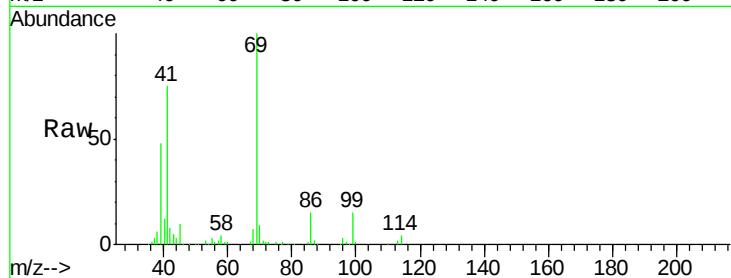
Tot Ion: 69 Resp: 124662

Ion Ratio Lower Upper

69 100

41 73.9 37.0 111.1

39 47.4 24.4 73.4



#52

1,3-Dichloropropane

Concen: 19.737 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057548.D

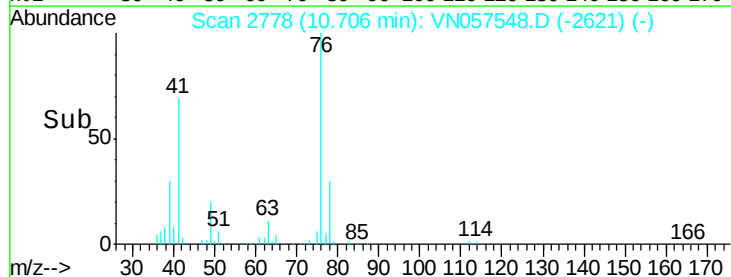
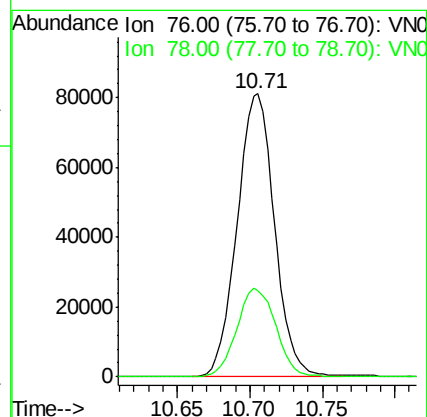
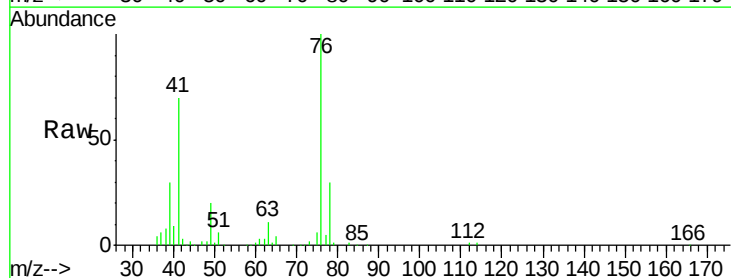
Acq: 27 Aug 2019 12:00

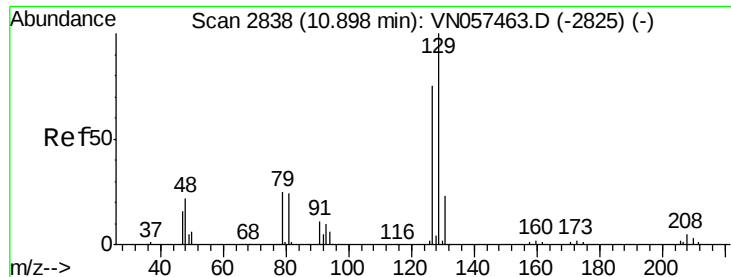
Tgt Ion: 76 Resp: 145260

Ion Ratio Lower Upper

76 100

78 32.8 0.0 63.0

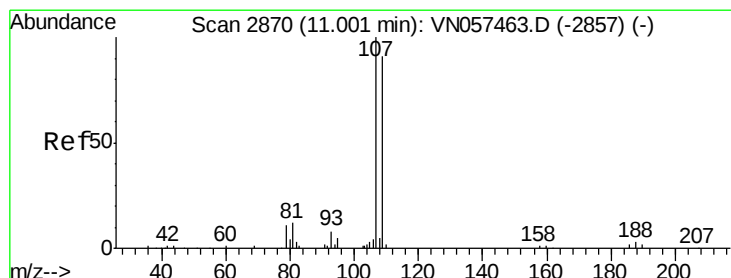
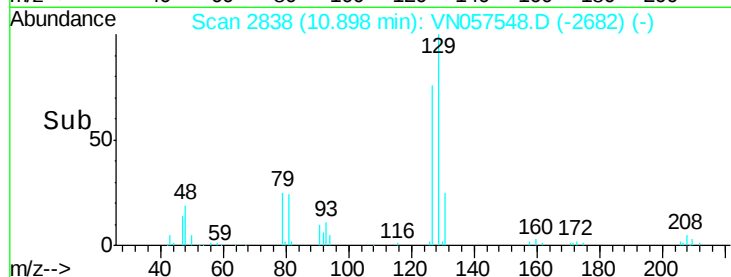
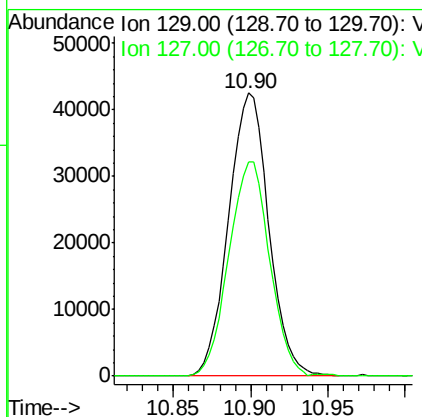
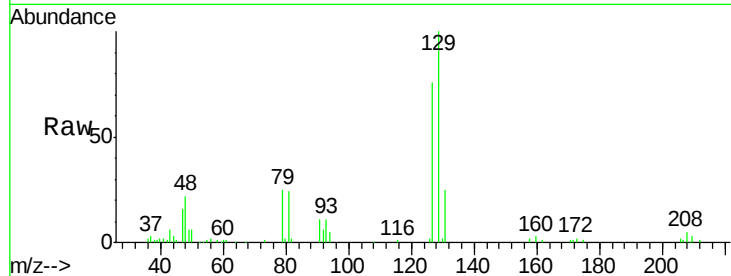




#53
Dibromochloromethane
Concen: 17.854 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

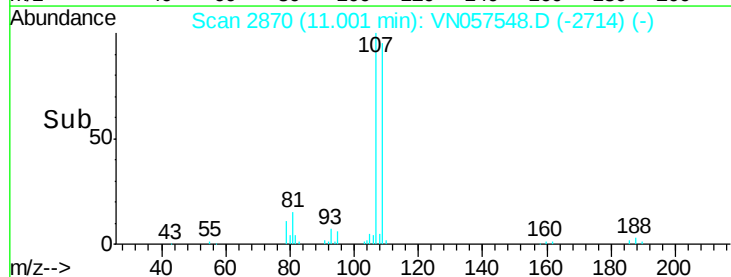
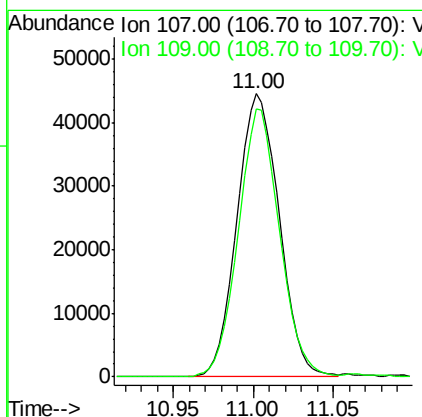
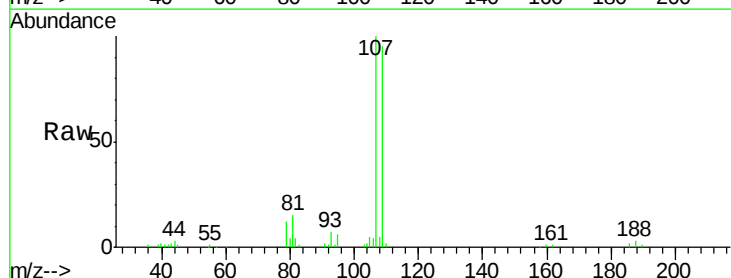
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

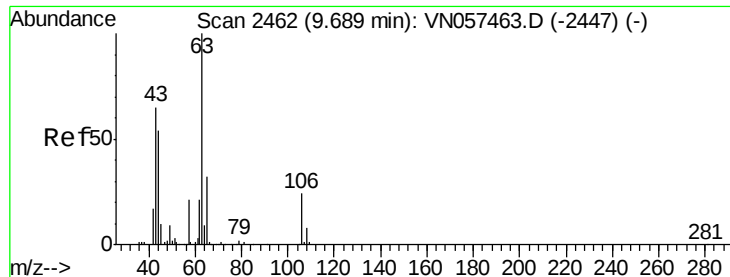
Tot Ion:129 Resp: 76835
Ion Ratio Lower Upper
129 100
127 76.7 38.1 114.3



#54
1,2-Dibromoethane
Concen: 19.460 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

Tgt Ion:107 Resp: 80379
Ion Ratio Lower Upper
107 100
109 92.5 73.2 109.8





#55

2-Chloroethyl vinyl ether

Concen: 96.873 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

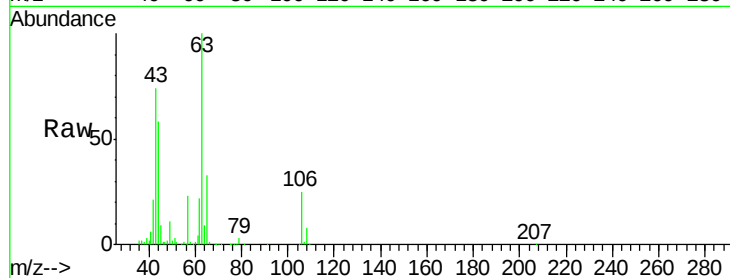
Tot Ion: 63 Resp: 160241

Ion Ratio Lower Upper

63 100

65 33.9 25.1 37.7

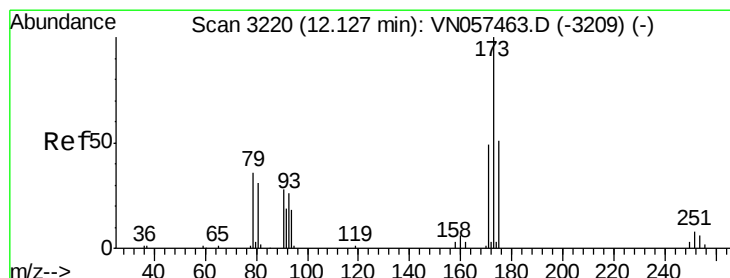
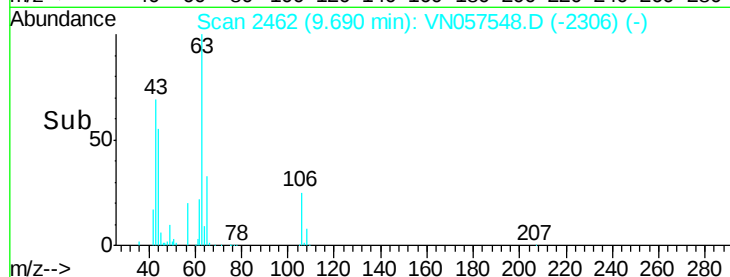
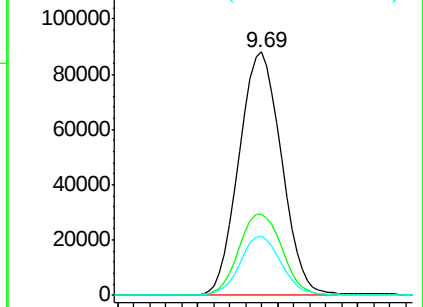
106 23.5 18.7 28.1



Abundance Ion 63.00 (62.70 to 63.70): VN057463.D (-2447) (-)

Ion 65.00 (64.70 to 65.70): VN057463.D (-2447) (-)

Ion 106.00 (105.70 to 106.70): VN057463.D (-2447) (-)



#56

Bromoform

Concen: 16.182 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

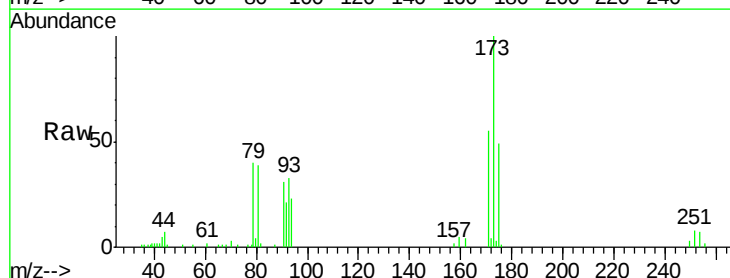
Tgt Ion: 173 Resp: 41562

Ion Ratio Lower Upper

173 100

175 49.9 40.1 60.1

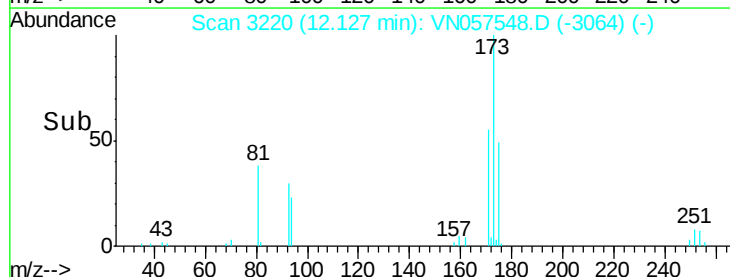
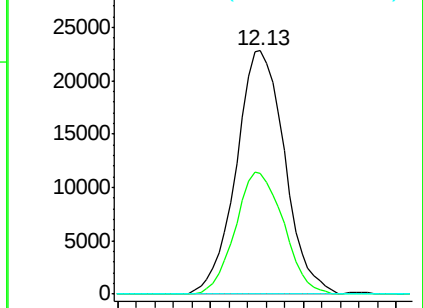
254 0.0 0.0 0.0

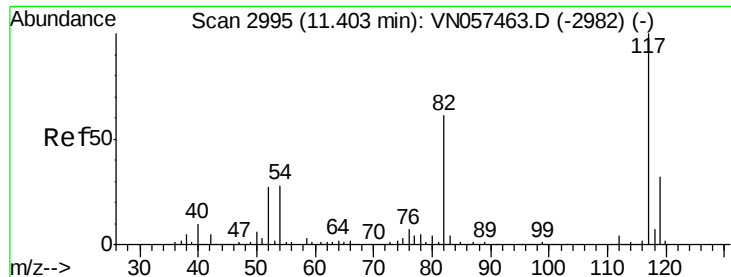


Abundance Ion 173.00 (172.70 to 173.70): VN057463.D (-3209) (-)

Ion 175.00 (174.70 to 175.70): VN057463.D (-3209) (-)

Ion 254.00 (253.70 to 254.70): VN057463.D (-3209) (-)

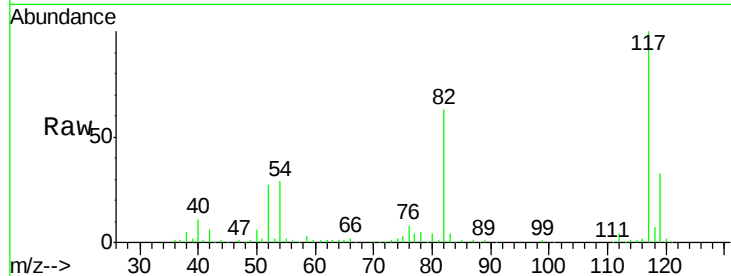




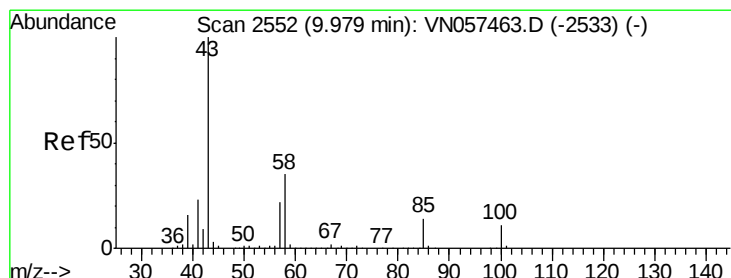
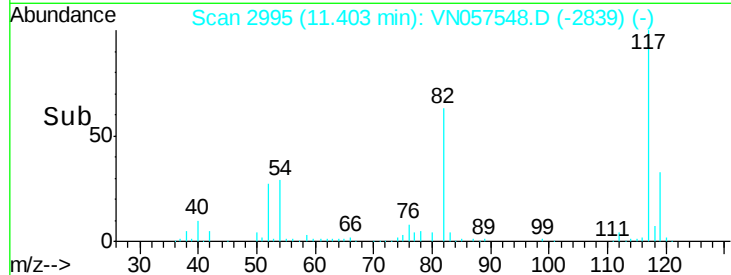
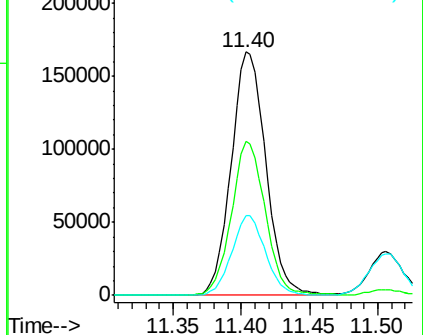
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 294572
Ion Ratio Lower Upper
117 100
82 61.8 50.4 75.6
119 31.8 25.4 38.2

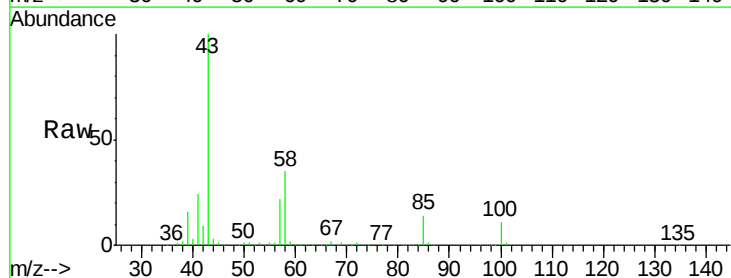


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

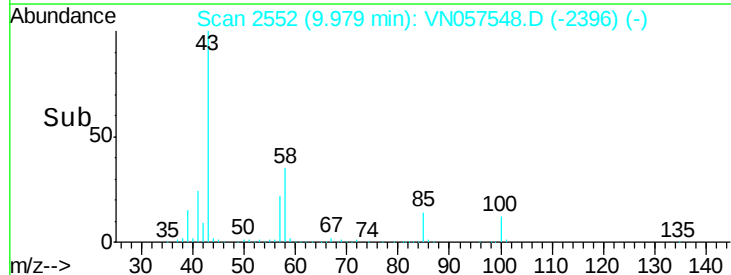
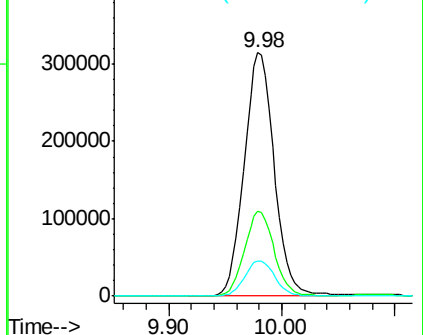


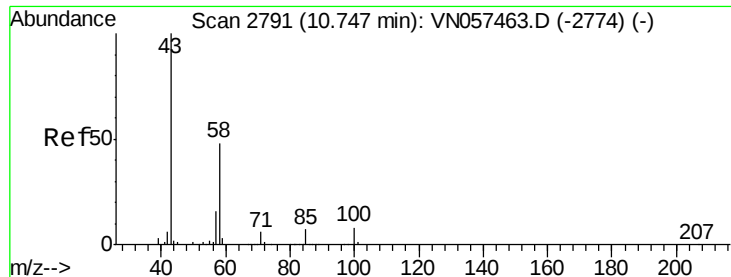
#58
4-Methyl-2-Pentanone
Concen: 100.666 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

Tgt Ion: 43 Resp: 581730
Ion Ratio Lower Upper
43 100
58 34.5 28.0 42.0
85 14.6 11.3 16.9



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

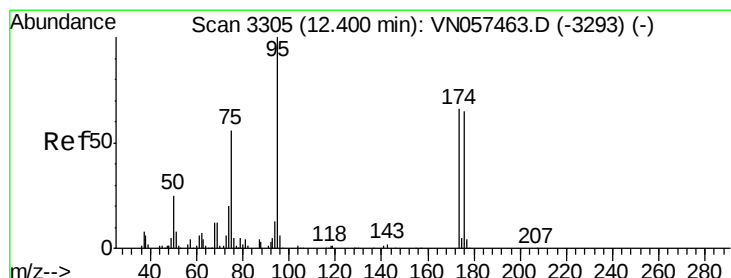
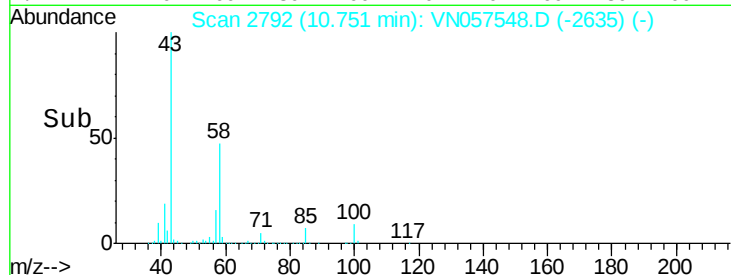
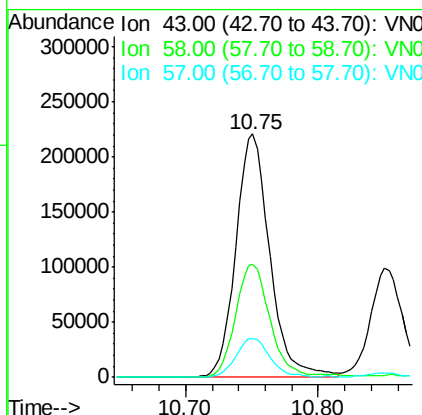
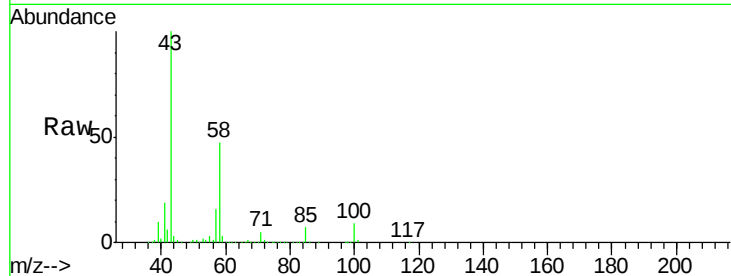




#59
2-Hexanone
Concen: 97.427 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

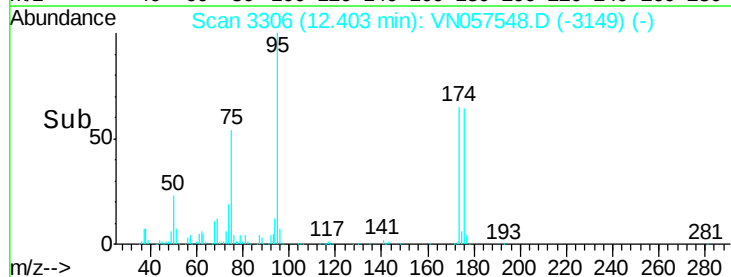
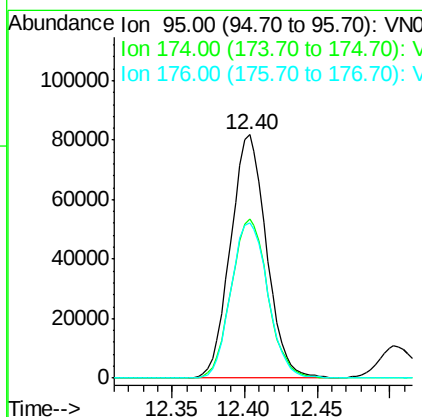
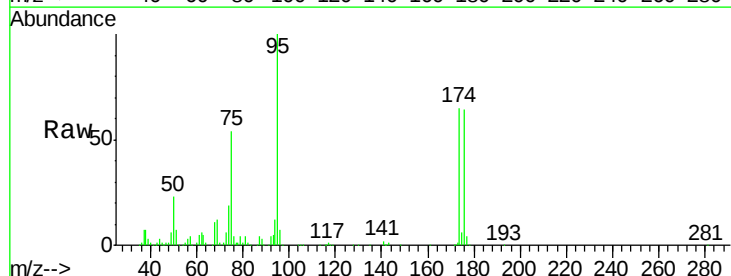
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

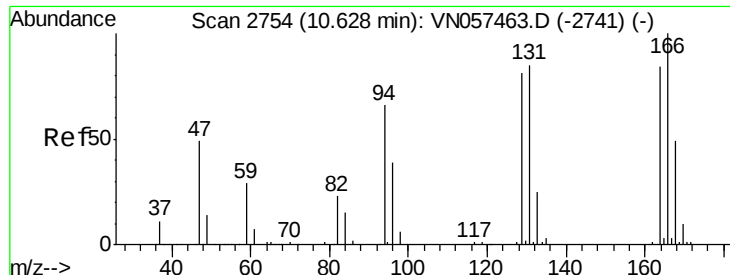
Tot Ion: 43 Resp: 390241
Ion Ratio Lower Upper
43 100
58 47.5 38.9 58.3
57 16.2 13.0 19.4



#60
4-Bromofluorobenzene
Concen: 29.047 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

Tgt Ion: 95 Resp: 141098
Ion Ratio Lower Upper
95 100
174 66.5 54.9 82.3
176 65.5 54.2 81.4





#61

Tetrachloroethene

Concen: 22.046 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 74476

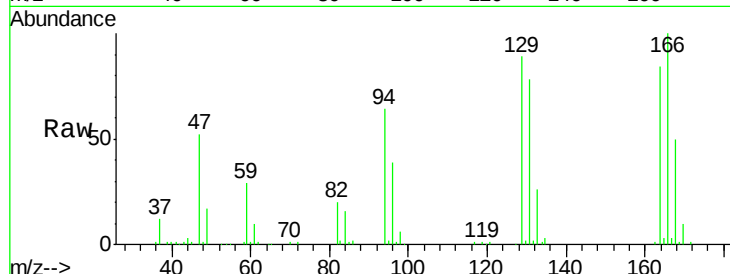
Ion Ratio Lower Upper

164 100

166 119.7 95.8 143.6

129 106.1 77.2 115.8

131 92.9 81.1 121.7

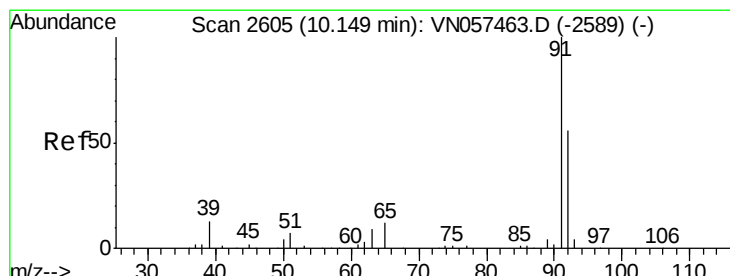
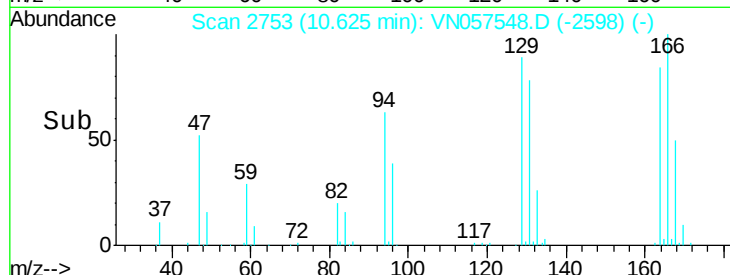
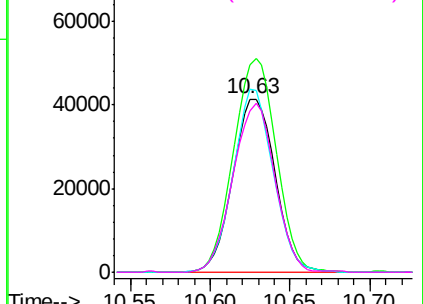


Abundance Ion 163.85 (163.55 to 164.55): V

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: 20.750 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057548.D

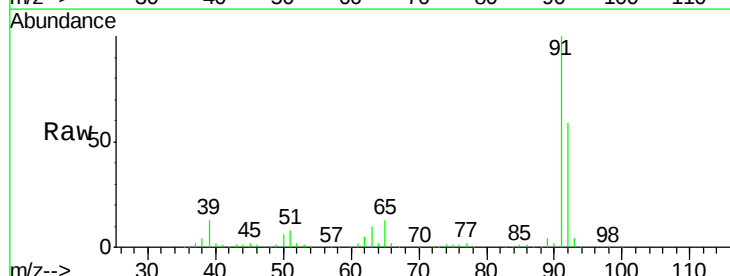
Acq: 27 Aug 2019 12:00

Tgt Ion: 91 Resp: 373574

Ion Ratio Lower Upper

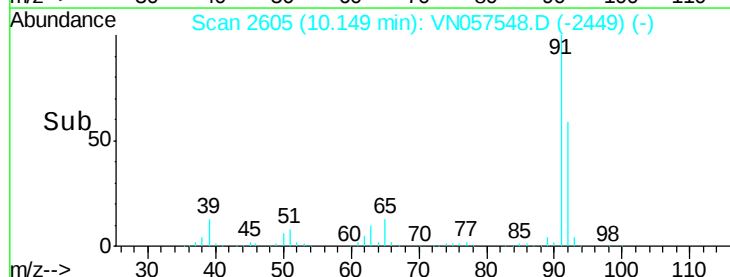
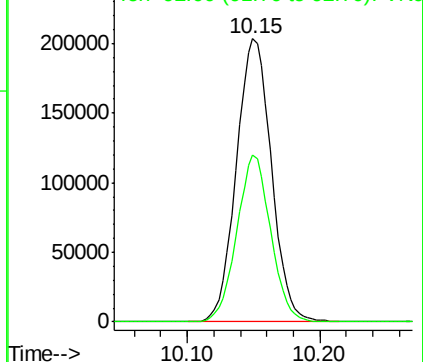
91 100

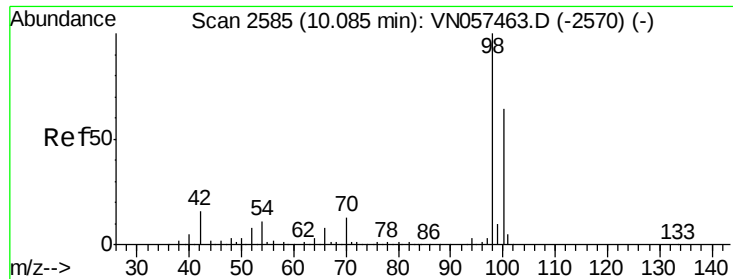
92 56.8 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.723 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

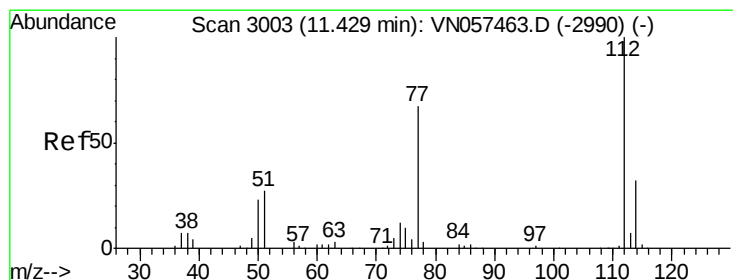
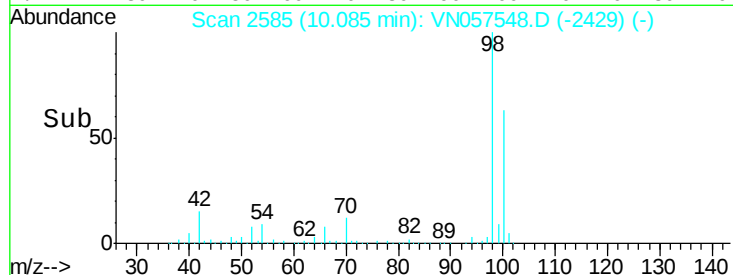
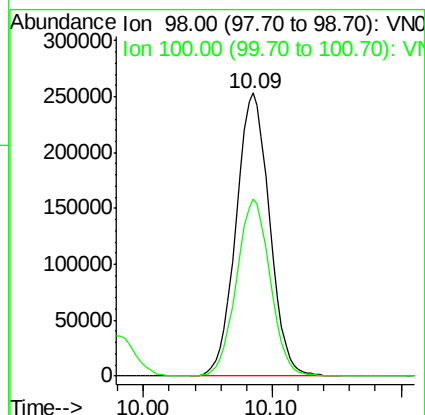
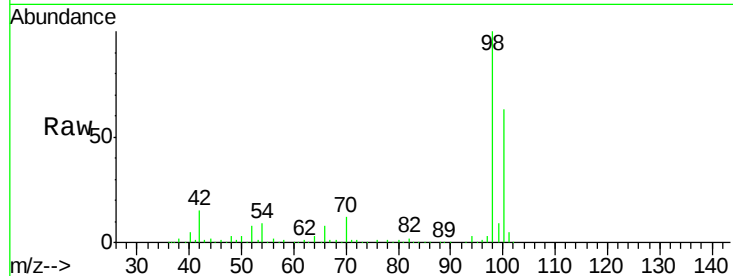
VSTDCCC020EC

Tot Ion: 98 Resp: 457029

Ion Ratio Lower Upper

98 100

100 62.4 51.0 76.6



#64

Chlorobenzene

Concen: 20.890 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN057548.D

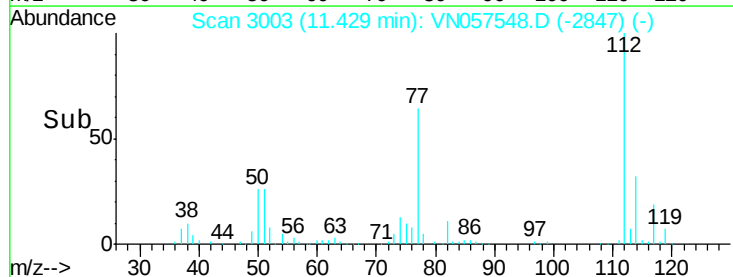
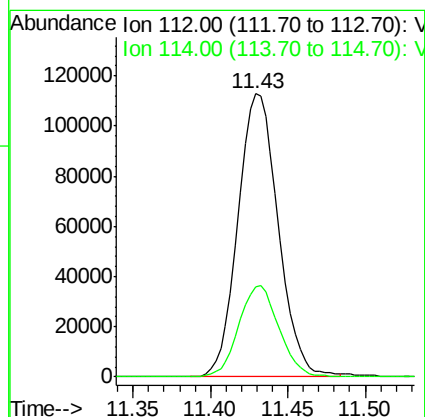
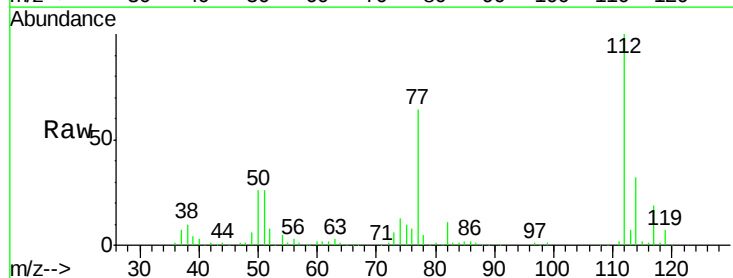
Acq: 27 Aug 2019 12:00

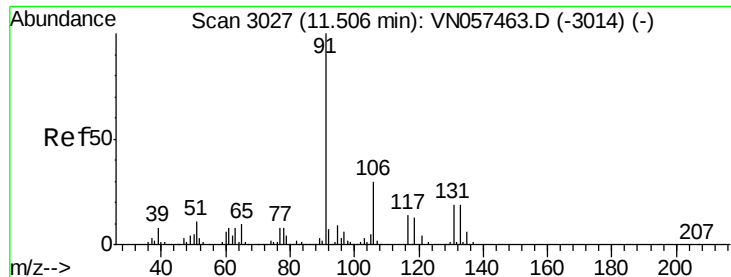
Tgt Ion: 112 Resp: 204463

Ion Ratio Lower Upper

112 100

114 31.6 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.687 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

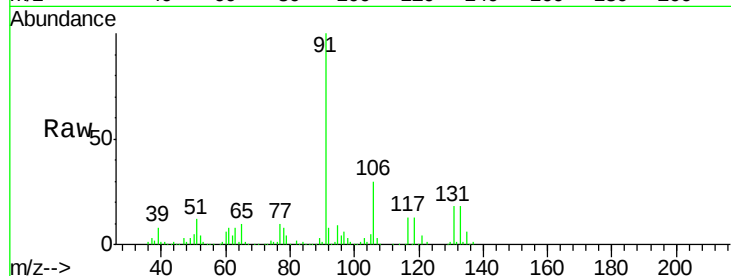
Tot Ion:131 Resp: 73227

Ion Ratio Lower Upper

131 100

133 95.6 0.0 193.6

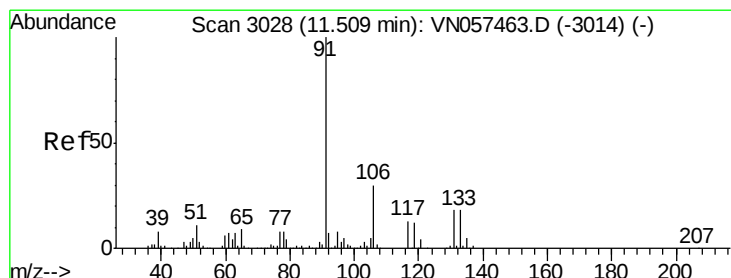
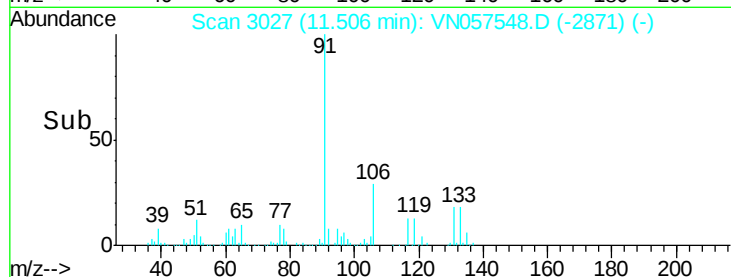
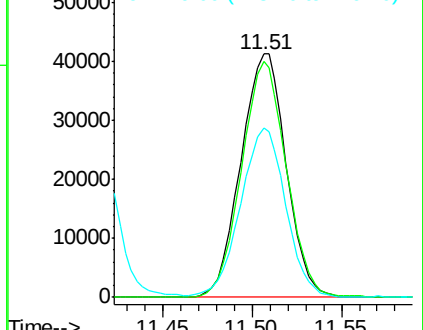
119 69.4 0.0 137.4



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: 20.461 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057548.D

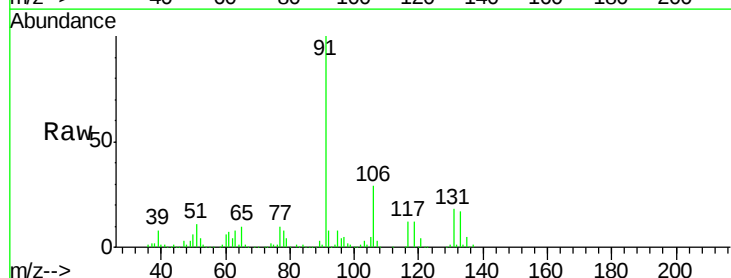
Acq: 27 Aug 2019 12:00

Tgt Ion: 91 Resp: 394238

Ion Ratio Lower Upper

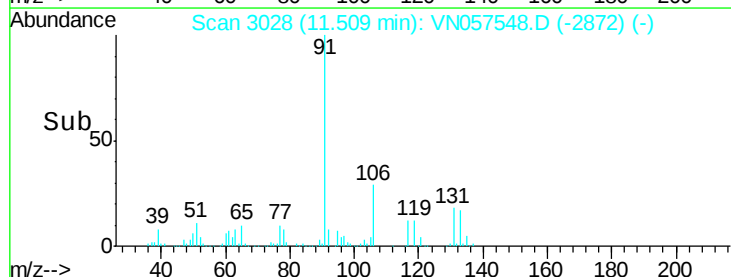
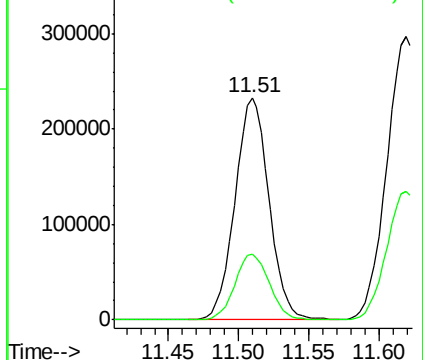
91 100

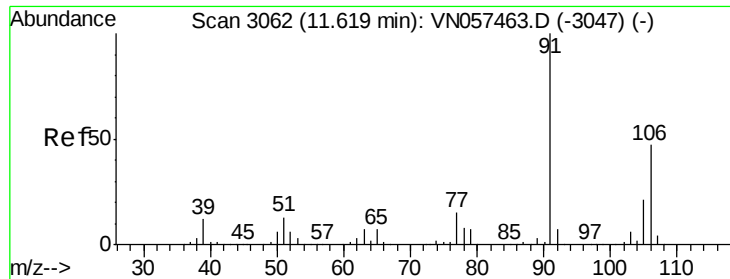
106 29.3 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.855 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

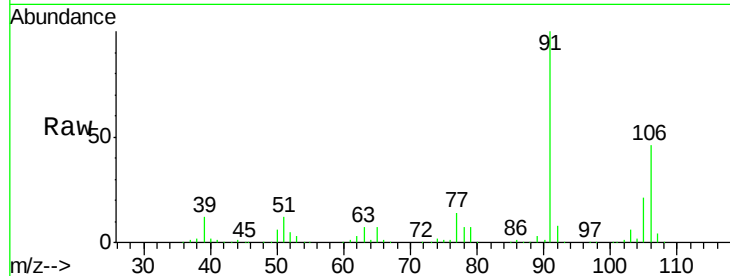
VSTDCCC020EC

Tot Ion:106 Resp: 273034

Ion Ratio Lower Upper

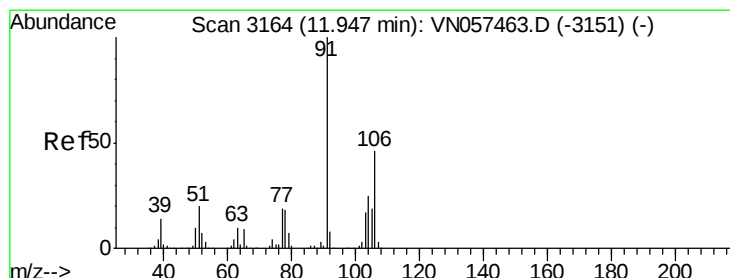
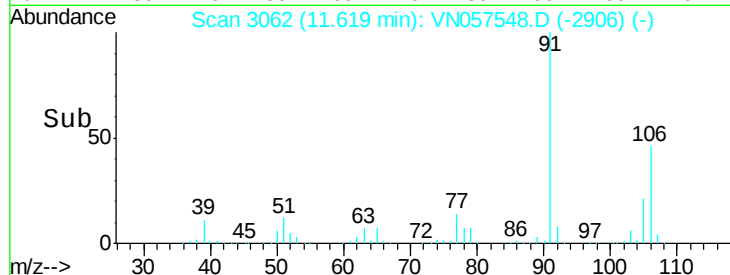
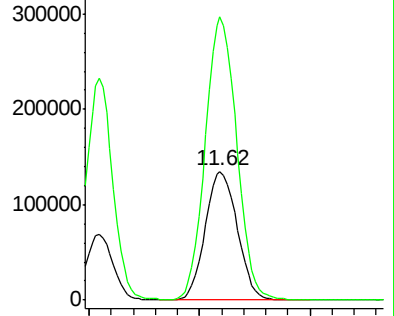
106 100

91 214.9 172.9 259.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 20.044 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057548.D

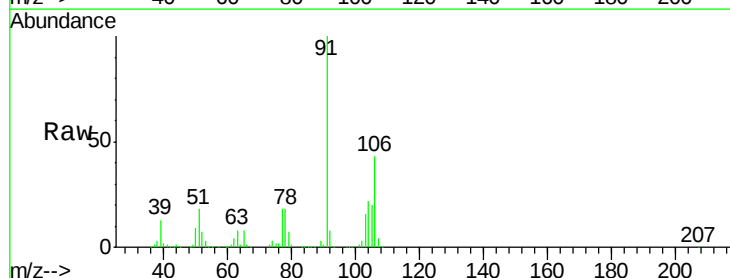
Acq: 27 Aug 2019 12:00

Tgt Ion:106 Resp: 132378

Ion Ratio Lower Upper

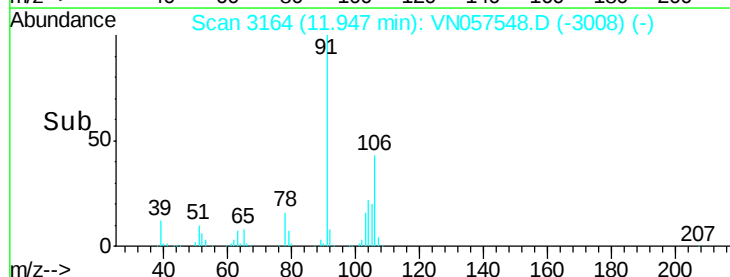
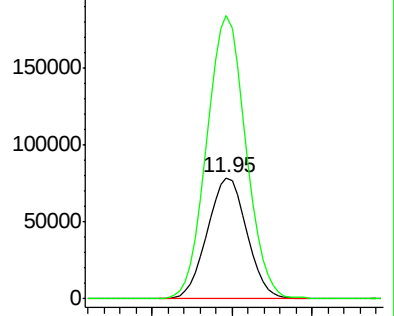
106 100

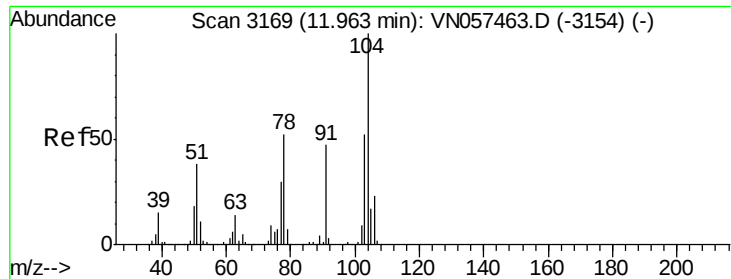
91 231.2 111.1 333.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

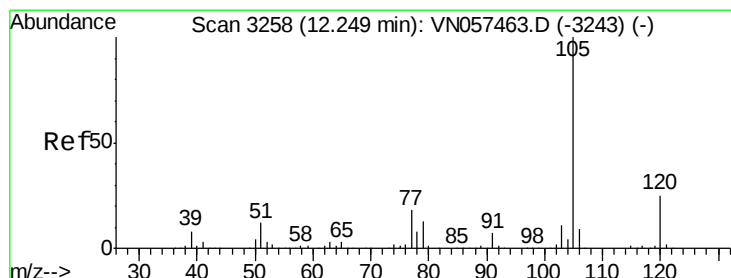
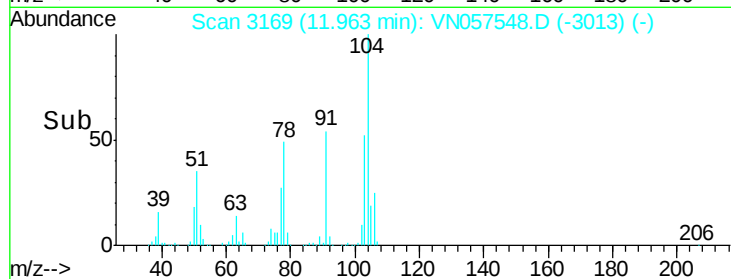
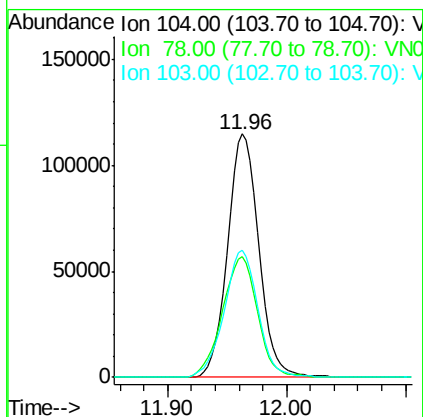
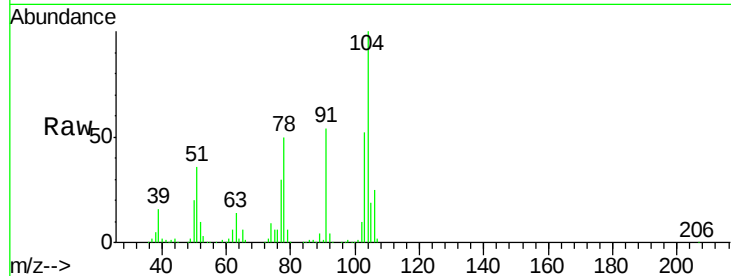




#69
Stvrene
Concen: 19.822 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

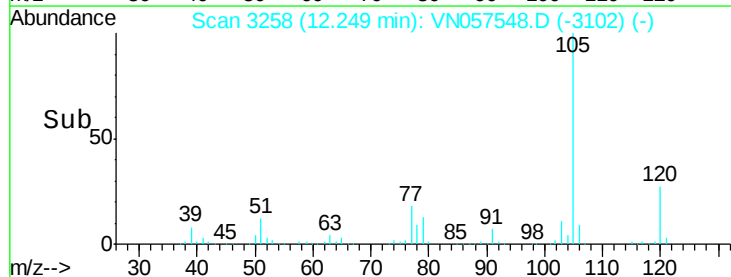
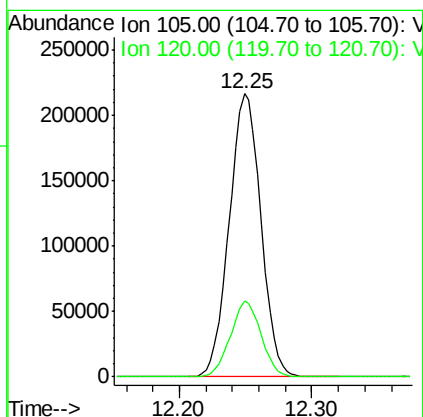
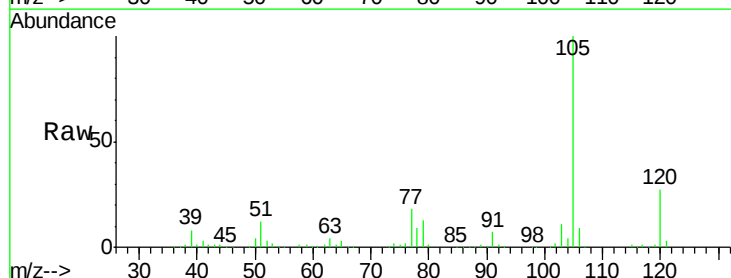
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

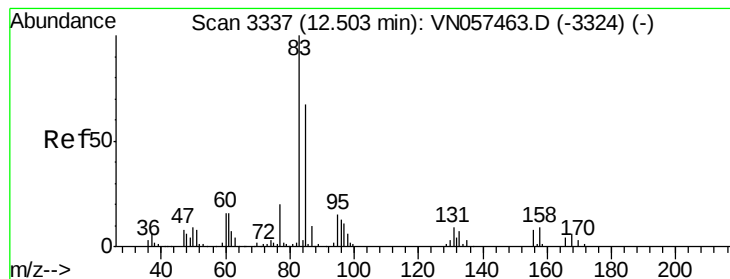
Tot Ion	Ratio	Lower	Upper
104	100		
78	55.8	46.5	69.7
103	56.0	45.9	68.9



#70
Isopropylbenzene
Concen: 20.306 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	17.8	33.1





#71

1,1,2,2-Tetrachloroethane

Concen: 20.944 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

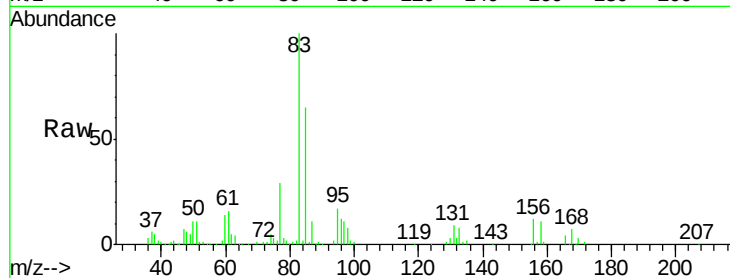
Tot Ion: 83 Resp: 107007

Ion Ratio Lower Upper

83 100

131 9.2 4.7 14.1

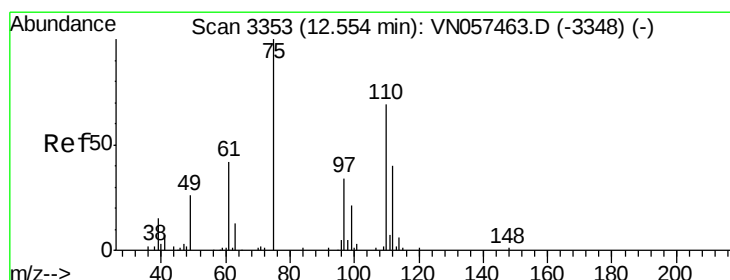
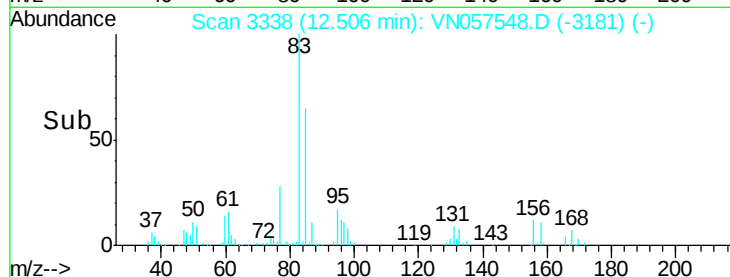
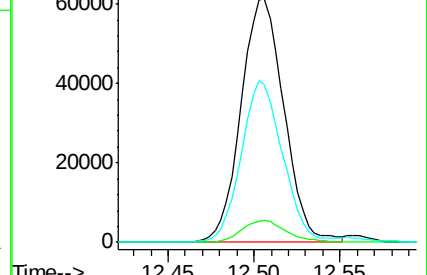
85 63.8 33.1 99.2



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 28.098 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057548.D

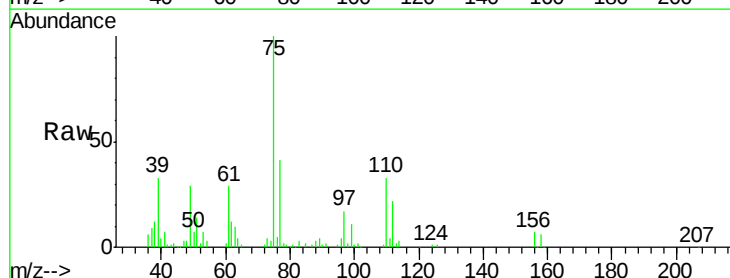
Acq: 27 Aug 2019 12:00

Tgt Ion: 75 Resp: 130321

Ion Ratio Lower Upper

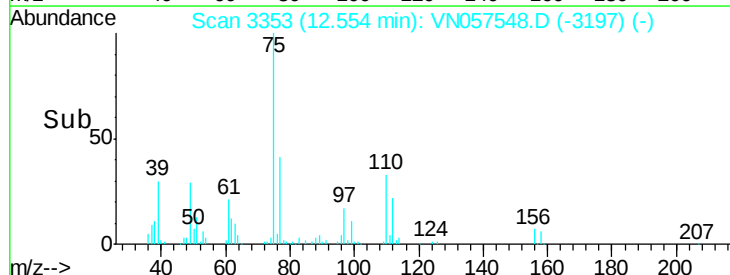
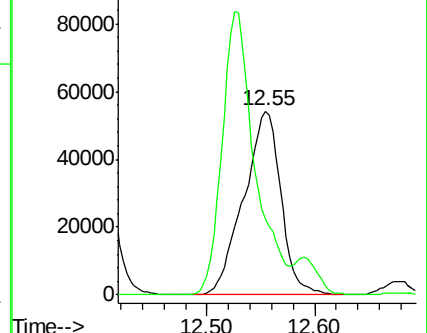
75 100

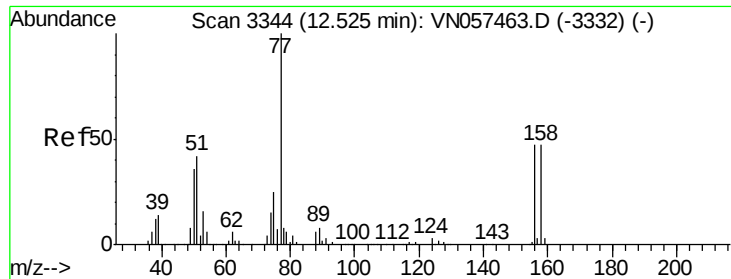
77 136.2 0.0 380.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 20.063 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

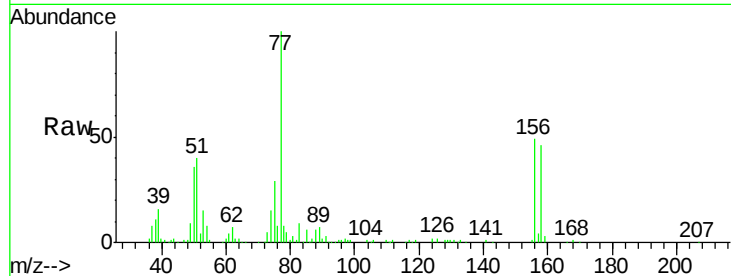
Tot Ion:156 Resp: 71746

Ion Ratio Lower Upper

156 100

77 247.4 0.0 506.8

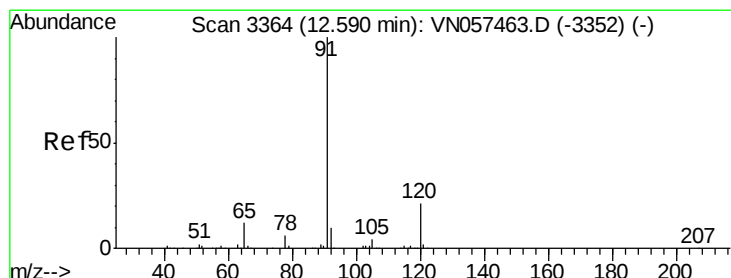
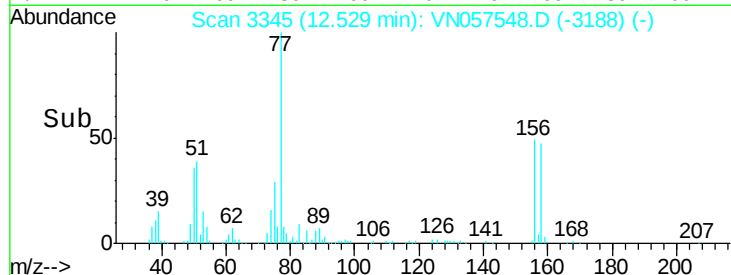
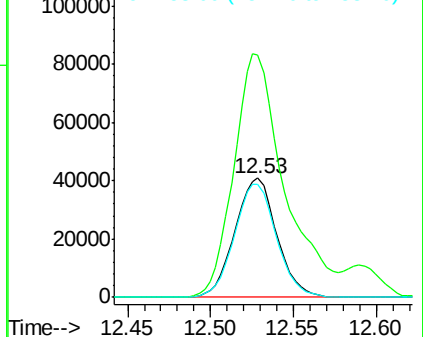
158 95.4 0.0 196.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.541 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057548.D

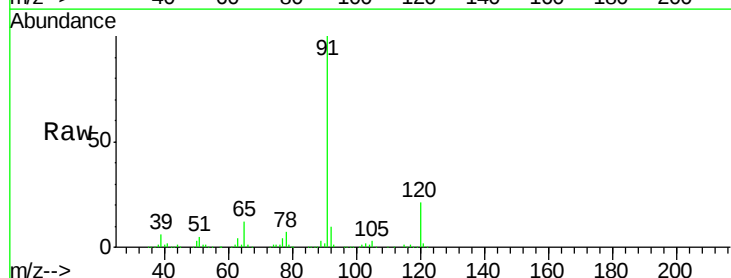
Acq: 27 Aug 2019 12:00

Tgt Ion: 91 Resp: 393681

Ion Ratio Lower Upper

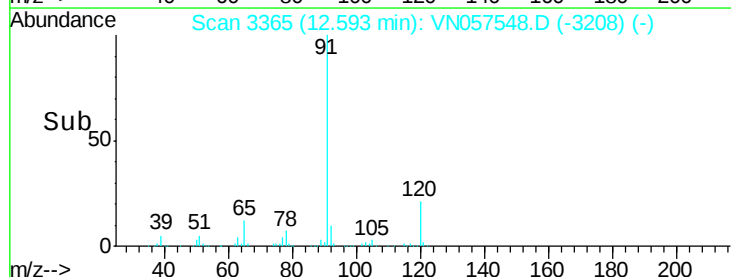
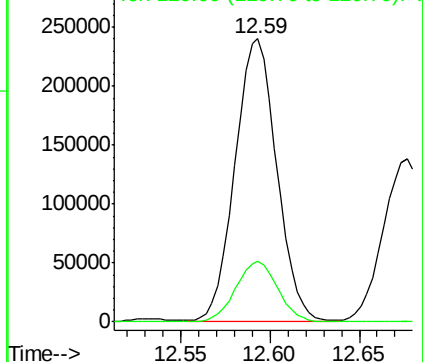
91 100

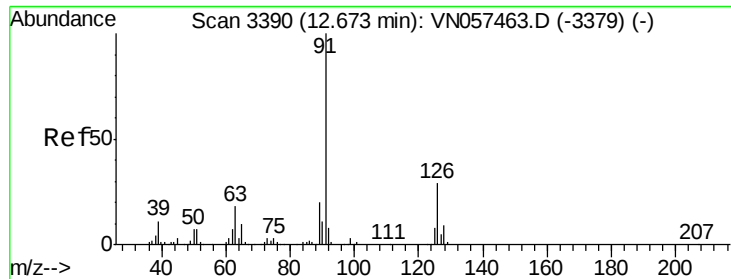
120 21.5 0.0 42.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.972 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

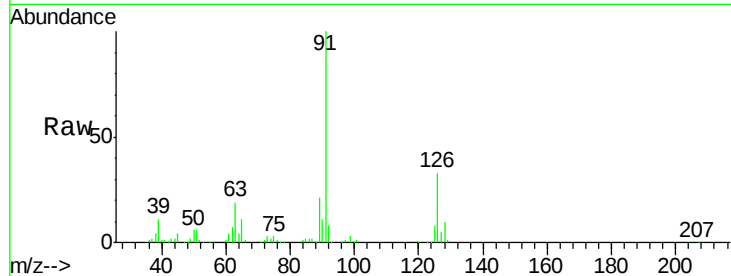
VSTDCCC020EC

Tot Ion: 91 Resp: 236967

Ion Ratio Lower Upper

91 100

126 31.3 0.0 60.4



Abundance Ion 91.00 (90.70 to 91.70): VN057463.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057463.D (-3379) (-)

12.68

150000

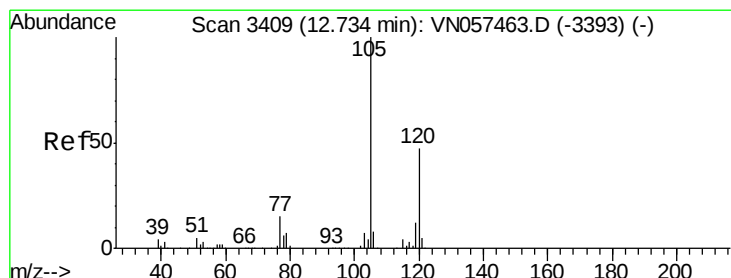
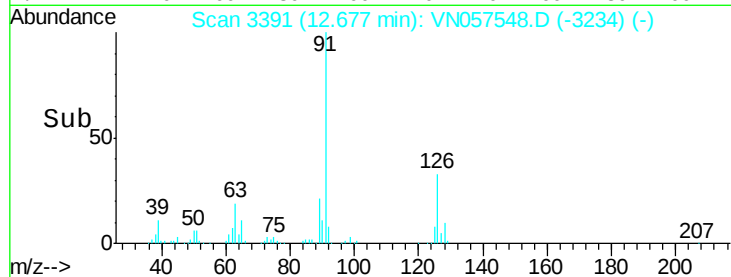
100000

50000

0

12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.450 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057548.D

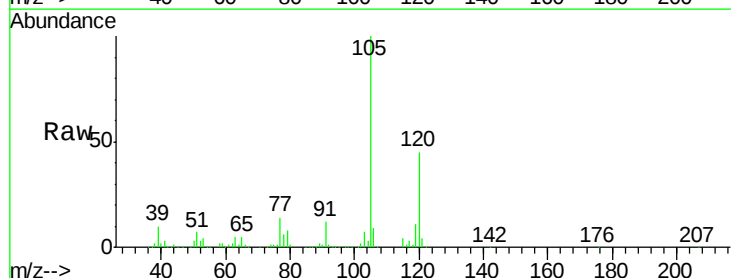
Acq: 27 Aug 2019 12:00

Tgt Ion: 105 Resp: 296515

Ion Ratio Lower Upper

105 100

120 45.3 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057463.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057463.D (-3393) (-)

12.73

200000

150000

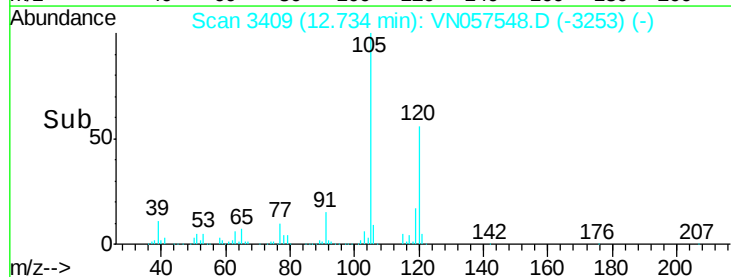
100000

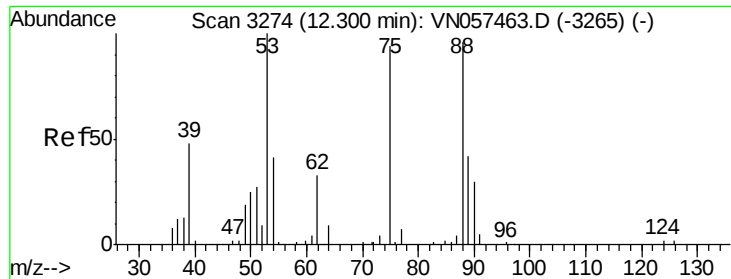
50000

0

12.65 12.70 12.75 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 16.357 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

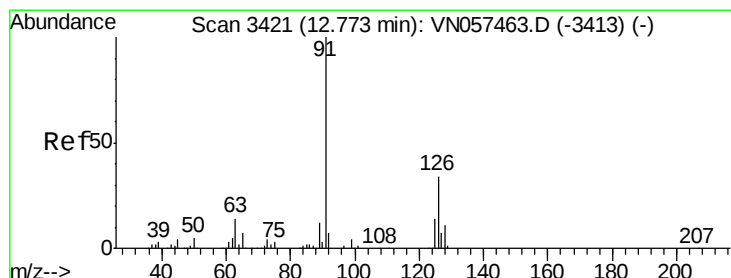
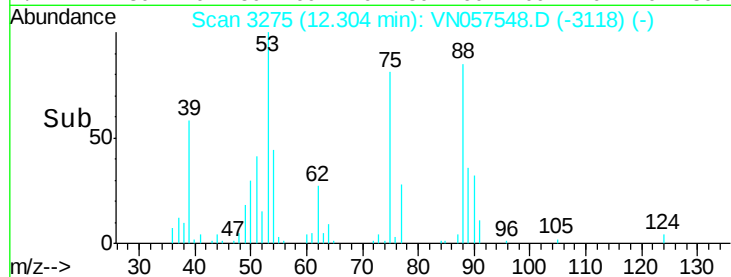
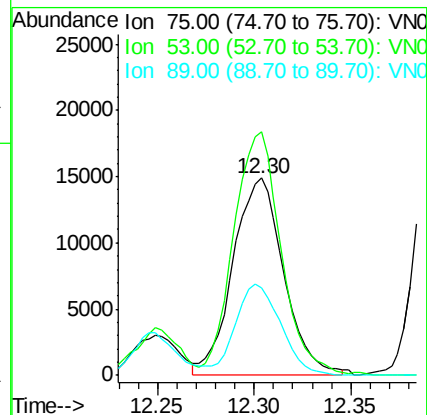
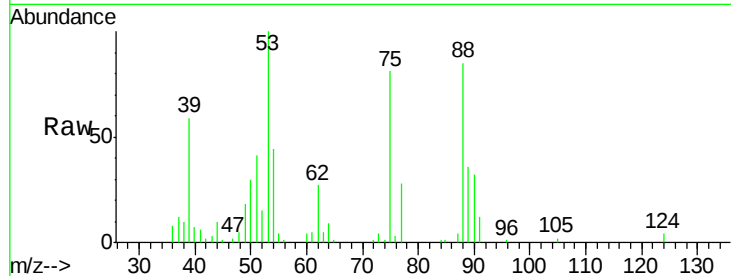
Tot Ion: 75 Resp: 27205

Ion Ratio Lower Upper

75 100

53 125.9 55.6 166.9

89 45.5 23.8 71.4



#78

4-Chlorotoluene

Concen: 19.482 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057548.D

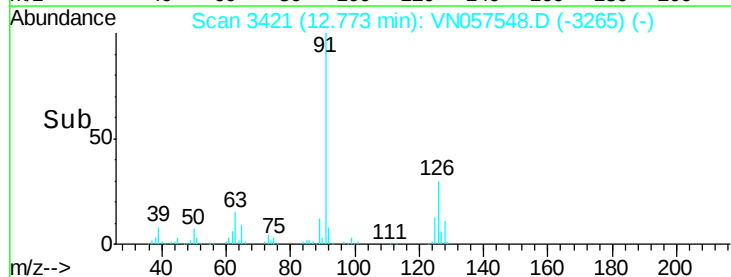
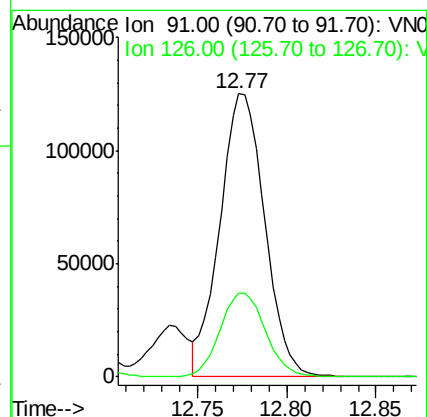
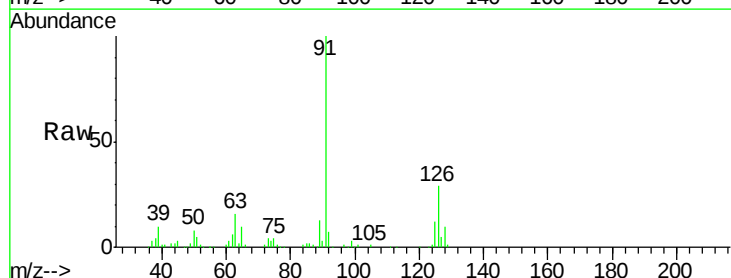
Acq: 27 Aug 2019 12:00

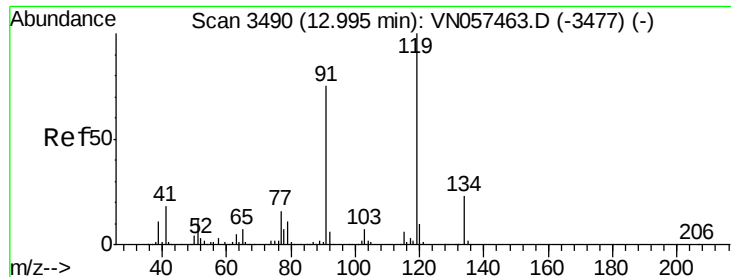
Tgt Ion: 91 Resp: 218409

Ion Ratio Lower Upper

91 100

126 30.2 0.0 61.6

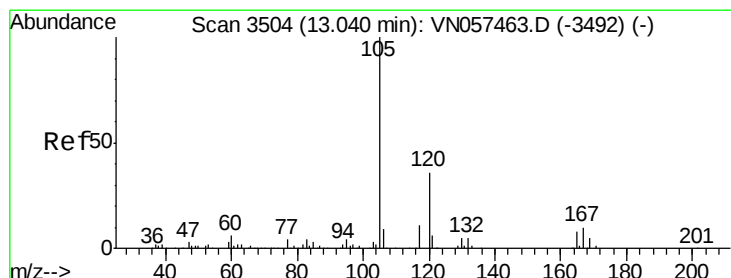
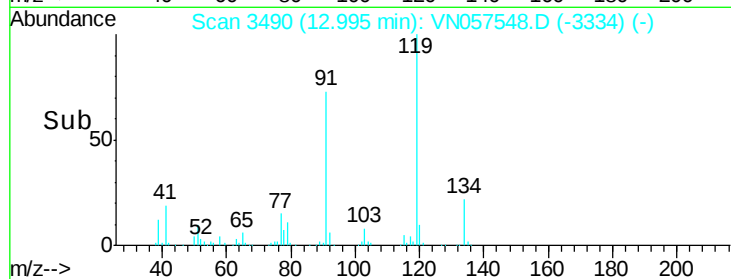
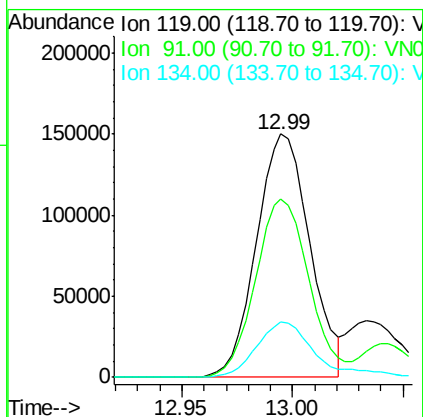
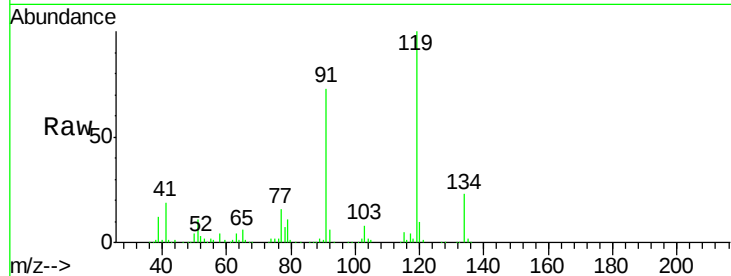




#79
tert-butylbenzene
Concen: 20.367 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

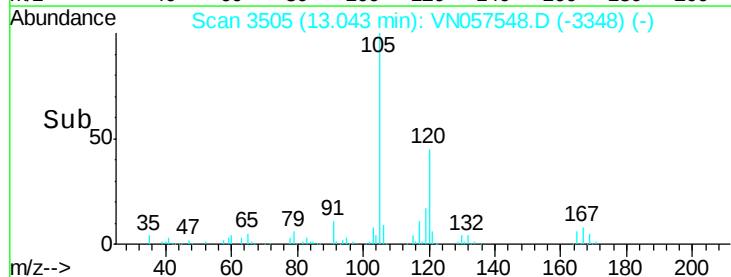
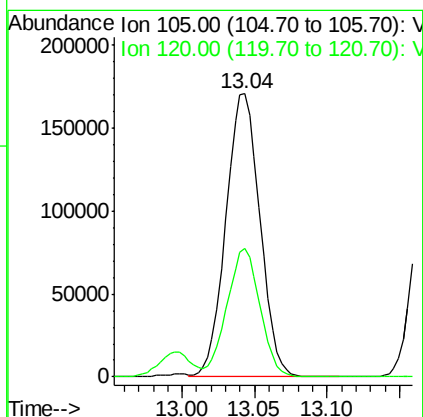
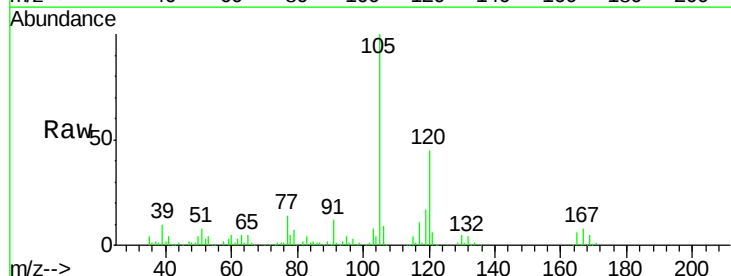
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

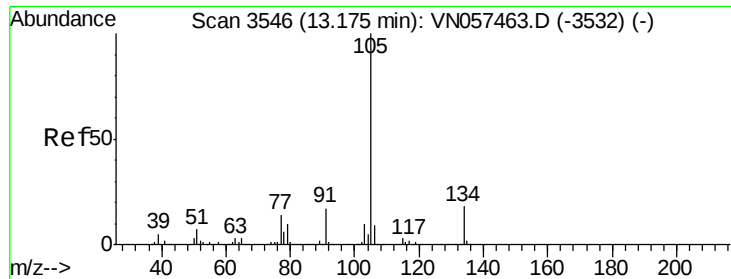
Tot Ion:119 Resp: 251290
Ion Ratio Lower Upper
119 100
91 73.3 0.0 146.6
134 23.4 0.0 46.2



#80
1,2,4-Trimethylbenzene
Concen: 20.579 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

Tgt Ion:105 Resp: 278178
Ion Ratio Lower Upper
105 100
120 43.8 0.0 85.4

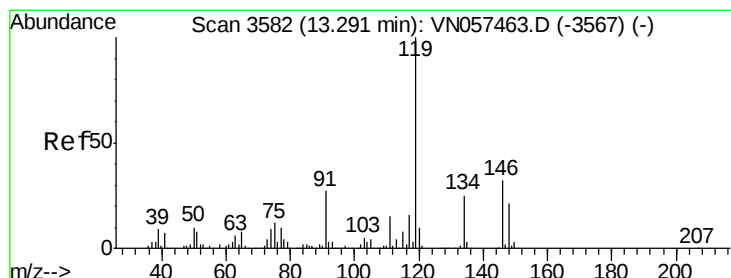
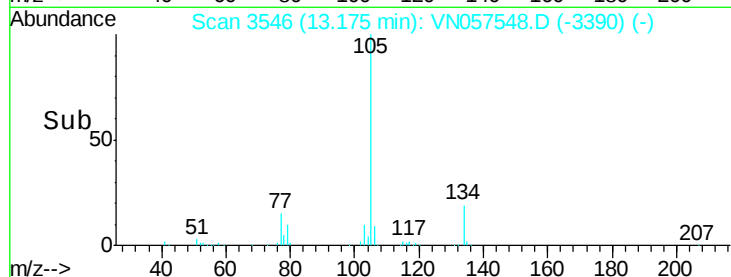
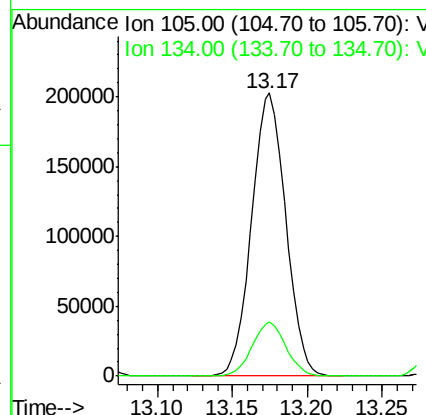
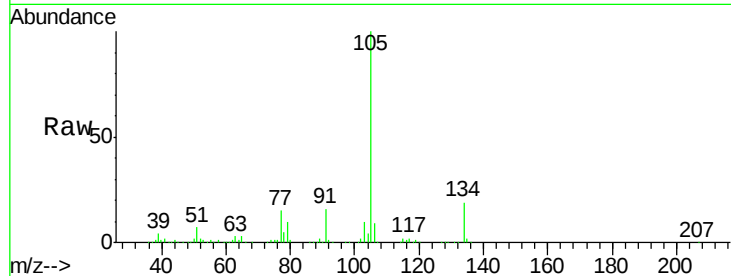




#81
 sec-Butylbenzene
 Concen: 19.809 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

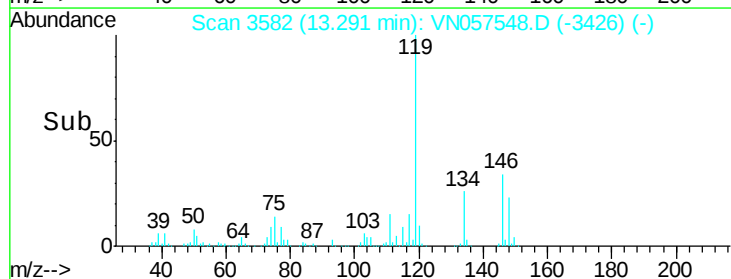
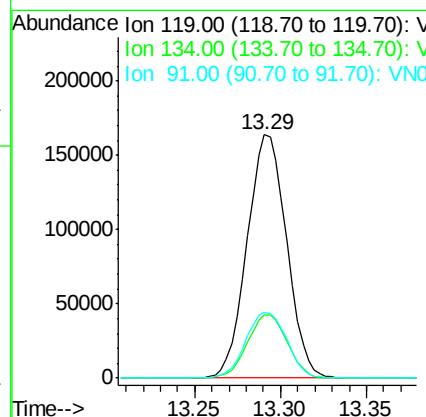
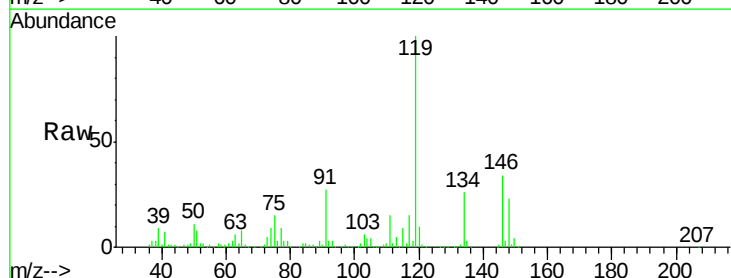
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

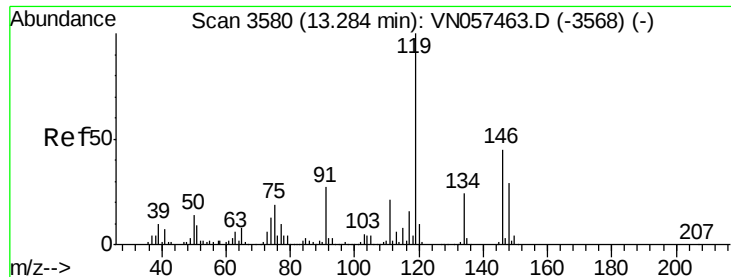
Tot Ion:105 Resp: 322058
 Ion Ratio Lower Upper
 105 100
 134 18.9 0.0 36.0



#82
 p-Isopropyltoluene
 Concen: 19.143 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

Tgt Ion:119 Resp: 261661
 Ion Ratio Lower Upper
 119 100
 134 26.2 0.0 49.6
 91 28.1 0.0 55.2

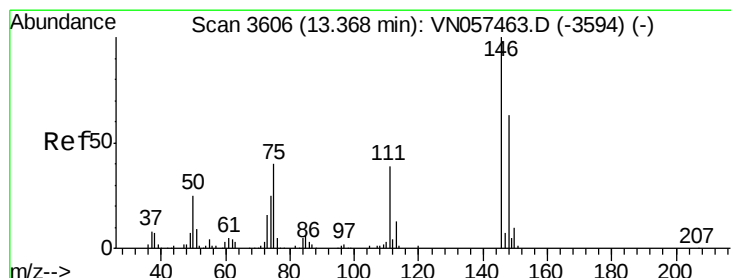
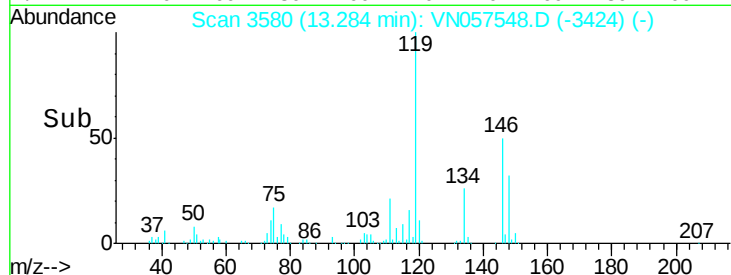
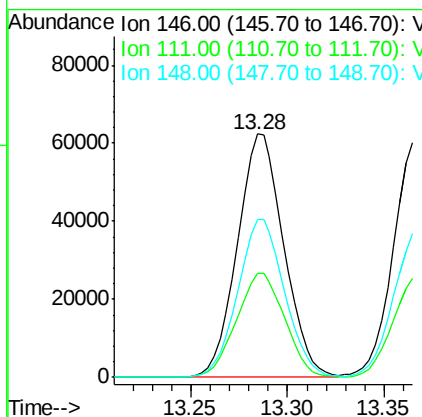
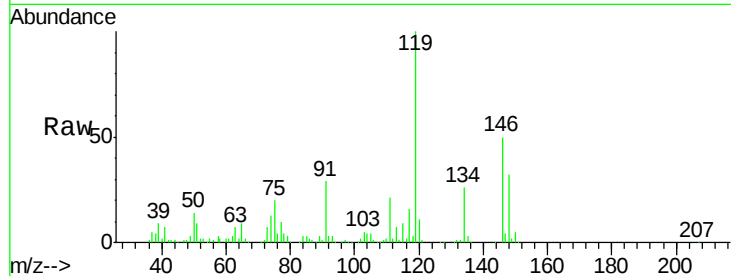




#83
 1,3-Dichlorobenzene
 Concen: 18.687 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

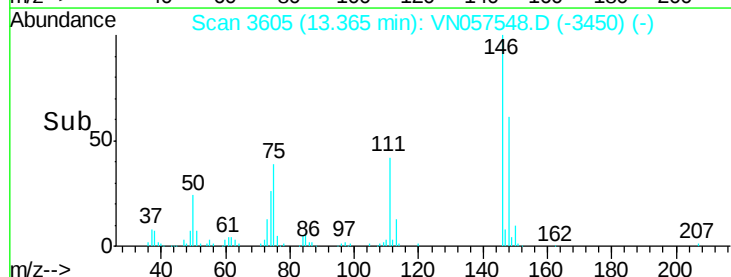
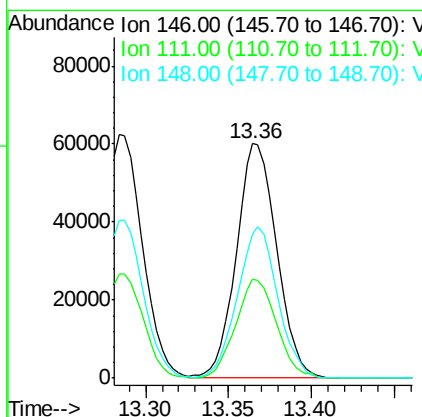
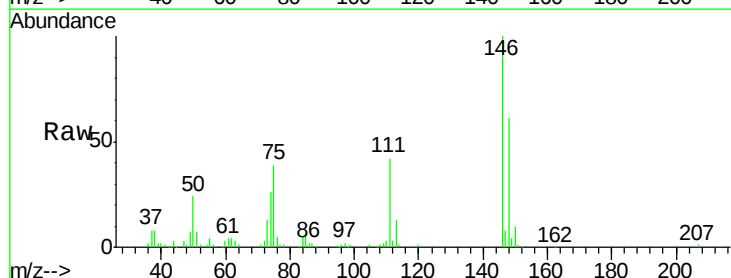
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

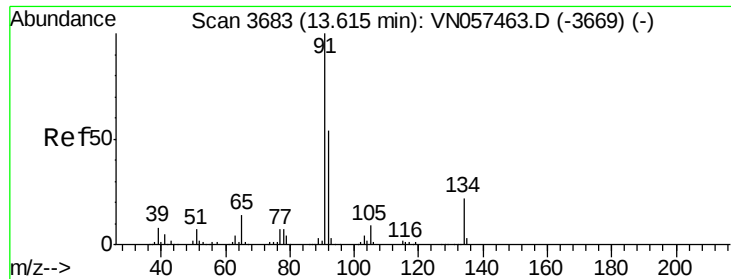
Tot Ion:146 Resp: 104031
 Ion Ratio Lower Upper
 146 100
 111 44.5 22.4 67.0
 148 65.6 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 18.827 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

Tgt Ion:146 Resp: 101964
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.5 61.5
 148 64.2 31.9 95.7

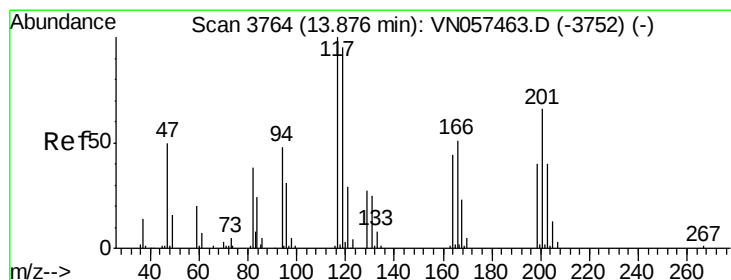
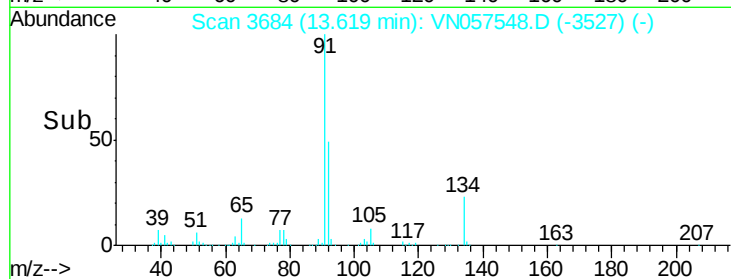
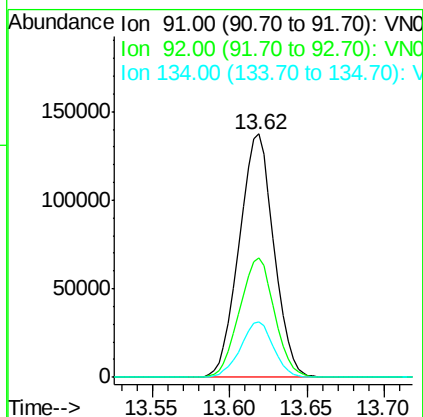
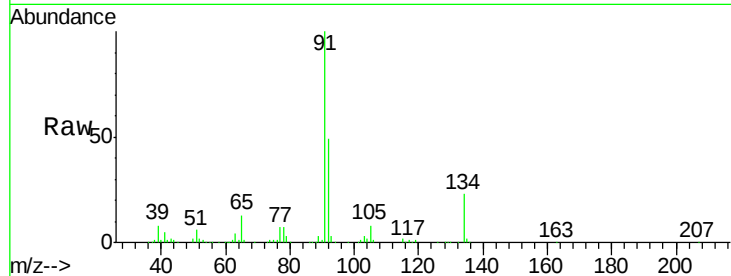




#85
n-Butylbenzene
Concen: 18.000 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

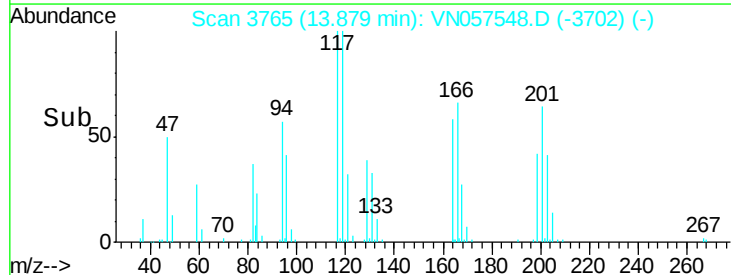
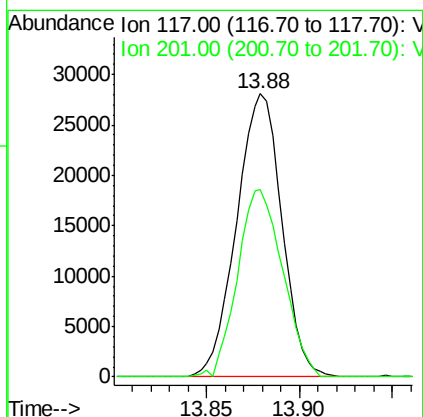
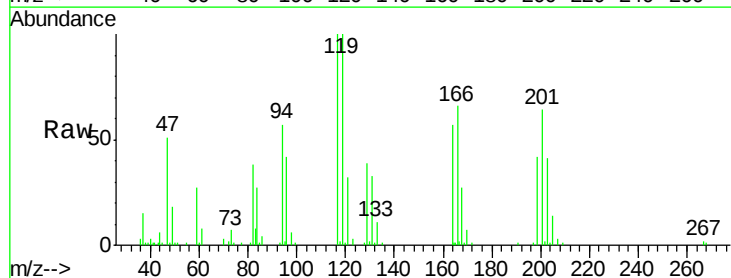
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

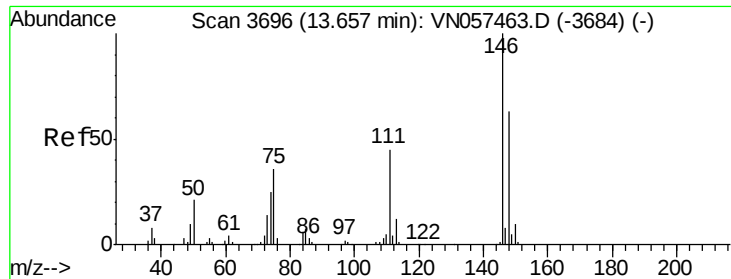
Tot Ion: 91 Resp: 214495
Ion Ratio Lower Upper
91 100
92 49.4 0.0 105.6
134 21.8 0.0 46.0



#86
Hexachloroethane
Concen: 17.243 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057548.D
Acq: 27 Aug 2019 12:00

Tgt Ion: 117 Resp: 47556
Ion Ratio Lower Upper
117 100
201 65.6 34.0 101.8

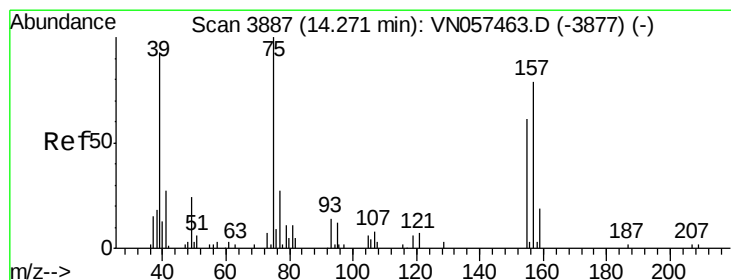
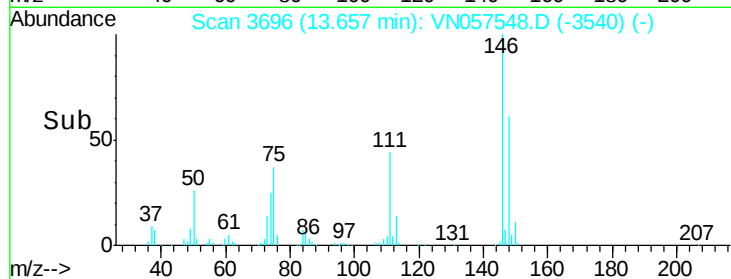
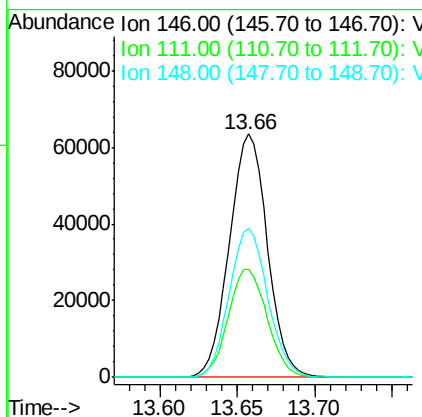
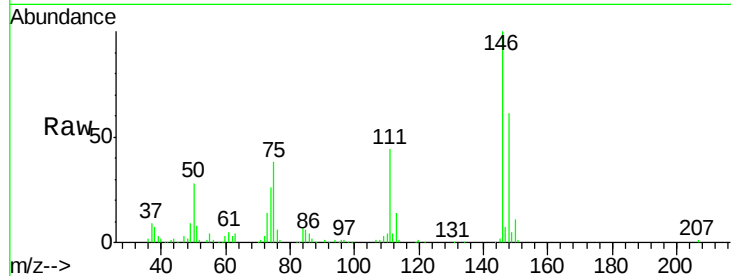




#87
 1,2-Dichlorobenzene
 Concen: 19.823 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

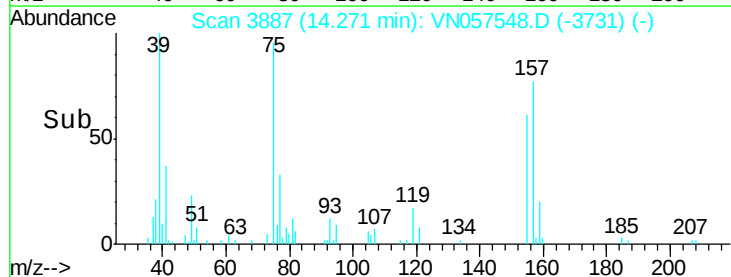
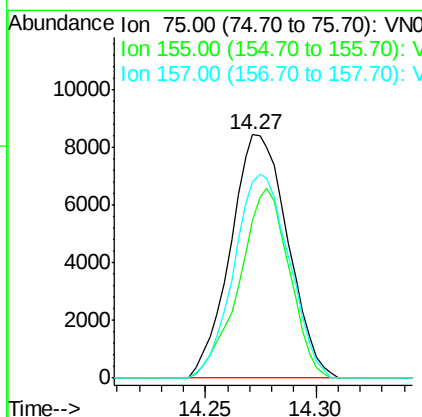
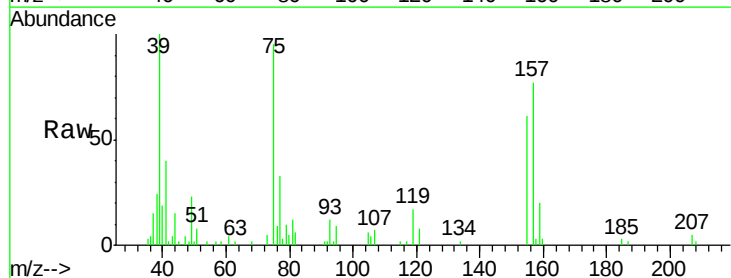
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

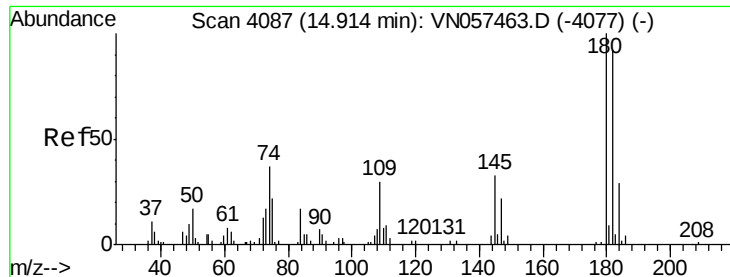
Tot Ion:146 Resp: 108380
 Ion Ratio Lower Upper
 146 100
 111 45.5 22.5 67.5
 148 62.0 30.9 92.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.710 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

Tgt Ion: 75 Resp: 15185
 Ion Ratio Lower Upper
 75 100
 155 68.0 53.7 80.5
 157 80.8 63.5 95.3

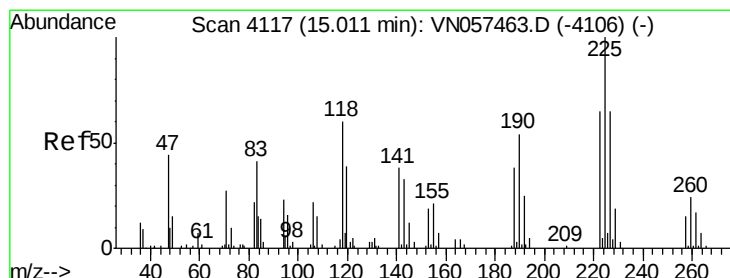
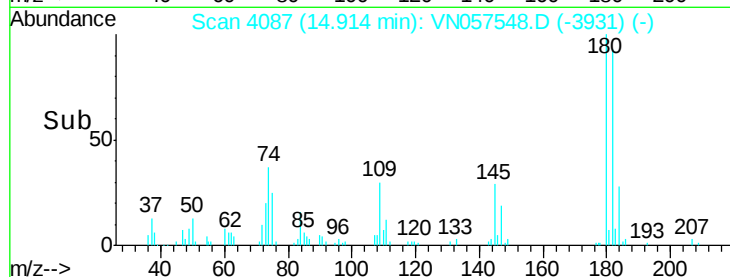
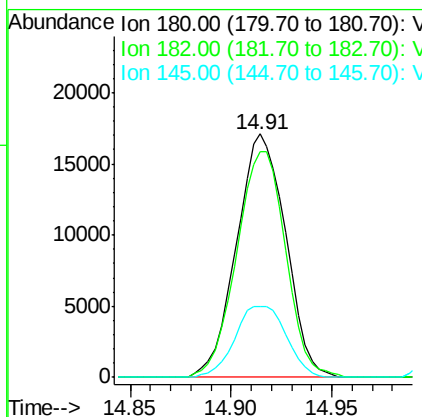
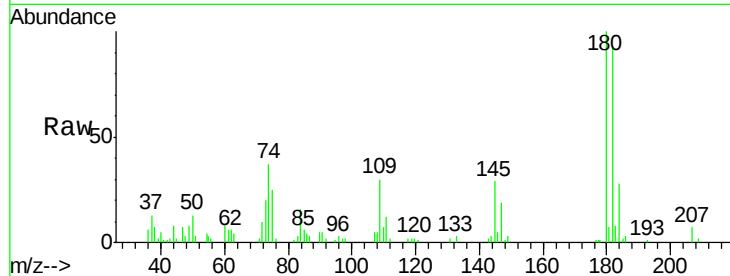




#89
 1,2,4-Trichlorobenzene
 Concen: 14.241 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

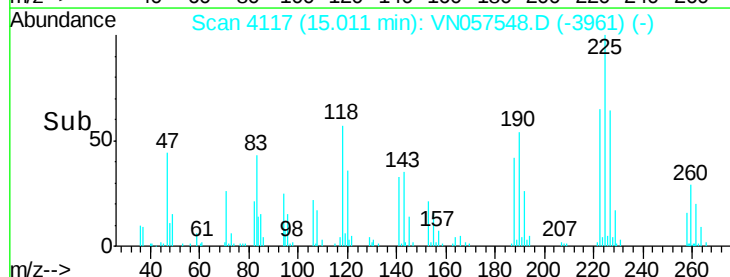
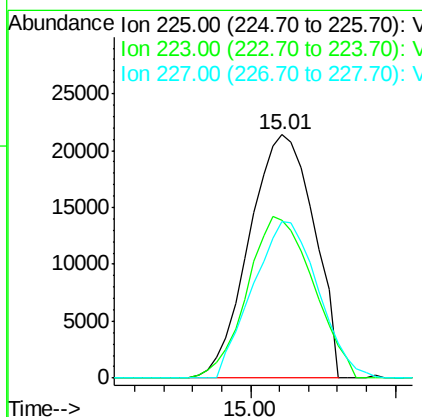
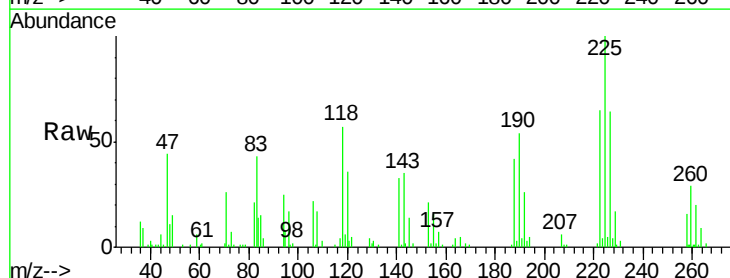
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

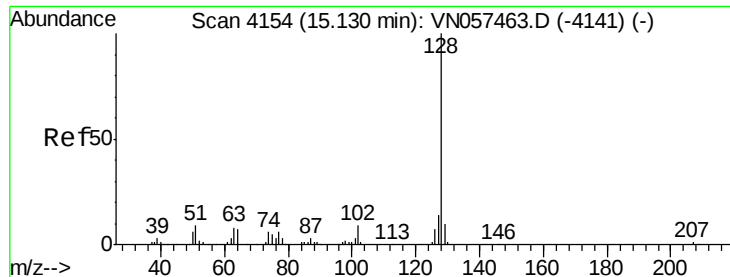
Tot Ion:180 Resp: 29174
 Ion Ratio Lower Upper
 180 100
 182 92.8 75.4 113.2
 145 30.7 26.9 40.3



#90
 Hexachlorobutadiene
 Concen: 20.951 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057548.D
 Acq: 27 Aug 2019 12:00

Tgt Ion:225 Resp: 32998
 Ion Ratio Lower Upper
 225 100
 223 68.1 0.0 123.6
 227 65.4 0.0 126.6





#91

Naphthalene

Concen: 19.359 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

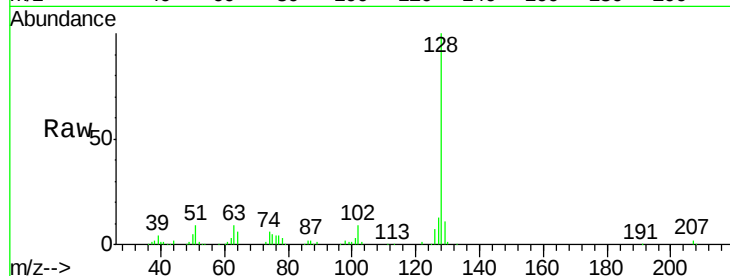
Tot Ion:128 Resp: 94984

Ion Ratio Lower Upper

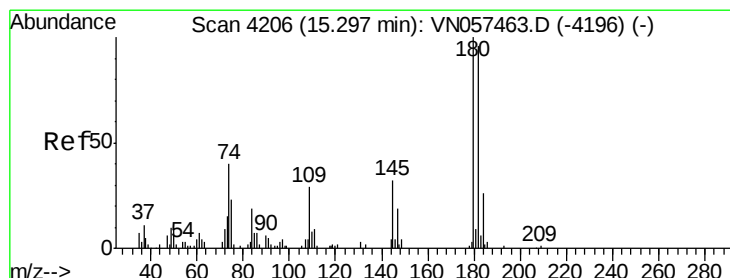
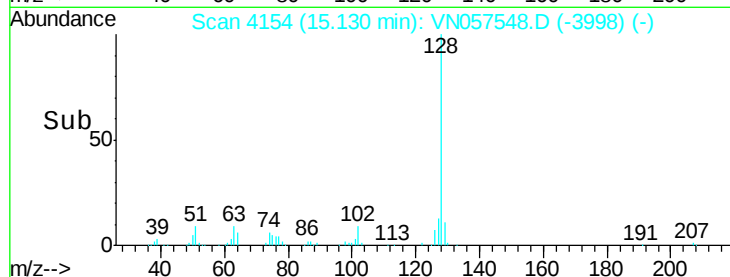
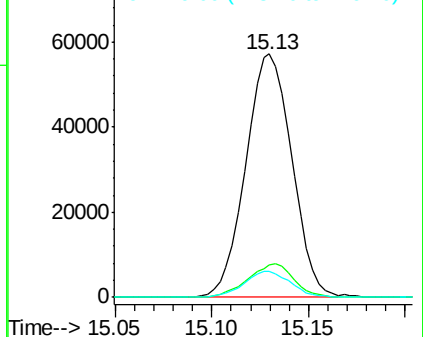
128 100

127 13.7 10.1 15.1

129 10.9 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 14.470 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057548.D

Acq: 27 Aug 2019 12:00

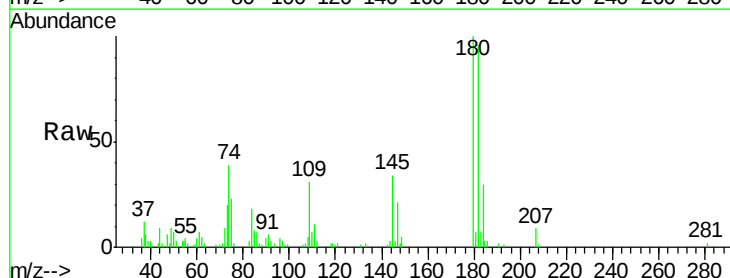
Tgt Ion:180 Resp: 29644

Ion Ratio Lower Upper

180 100

182 100.9 0.0 187.0

145 35.4 0.0 64.4



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

