

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN070319\
 Data File : VN056578.D
 Acq On : 3 Jul 2019 10:19
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 03 10:43:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 10:34:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	52045	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	288446	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	257524	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	106825	33.05	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	110.17%
60) 4-Bromofluorobenzene	12.40	95	125824	32.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	109.87%
63) Toluene-d8	10.09	98	353010	30.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.73%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	258353	88.258 ug/l	99
3) Chloromethane	2.06	50	366979	107.300 ug/l	100
4) Vinyl Chloride	2.18	62	347908	99.771 ug/l	99
5) Bromomethane	2.52	94	180660	82.437 ug/l	100
6) Chloroethane	2.67	64	167897	85.124 ug/l	93
7) Trichlorofluoromethane	3.00	101	443281	102.743 ug/l	98
8) Diethyl Ether	3.41	74	189016	103.297 ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	278836	104.699 ug/l	96
10) 1,1-Dichloroethene	3.73	96	283269	104.268 ug/l	95
11) Methyl Iodide	3.95	142	424953	99.143 ug/l	99
12) Methyl Acetate	4.32	43	349643	107.101 ug/l	98
13) Acrolein	3.61	56	177305	1114.279 ug/l	99
14) Acrylonitrile	4.99	53	846386	581.362 ug/l	99
15) Acetone	3.82	58	227565	477.383 ug/l	93
16) Carbon Disulfide	4.05	76	714972	110.606 ug/l	100
17) Allyl chloride	4.32	41	499567	118.681 ug/l	98
18) Methylene Chloride	4.55	84	322940	102.679 ug/l	91
19) trans-1,2-Dichloroethene	5.04	96	300846	103.743 ug/l	92
20) Diisopropyl ether	5.95	45	1004146	115.139 ug/l	96
21) 1,1-Dichloroethane	5.85	63	567106	111.893 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	354399	104.706 ug/l	94
23) tert-Butyl Alcohol	4.80	59	303209	535.063 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	926726	107.036 ug/l	99
25) Chloroform	7.37	83	546424	107.969 ug/l	98
26) Cyclohexane	7.65	56	526653	112.004 ug/l	# 96
29) 1,1-Dichloropropene	7.79	75	425906	109.158 ug/l	98
30) 2-Butanone	6.84	43	1166072	567.692 ug/l	97
31) 2,2-Dichloropropane	6.82	77	412200	113.563 ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	453457	105.191 ug/l	99
33) Carbon Tetrachloride	7.77	117	387925	106.216 ug/l	99
34) Benzene	8.04	78	1293977	104.086 ug/l	# 93
35) Methacrylonitrile	7.18	41	212971	122.784 ug/l	95
36) 1,2-Dichloroethane	8.12	62	418679	107.519 ug/l	97
37) Trichloroethene	8.83	130	343313	98.689 ug/l	94
38) Methylcyclohexane	9.08	83	535760	108.313 ug/l	99
39) 1,2-Dichloropropane	9.12	63	350838	110.190 ug/l	96
40) Dibromomethane	9.21	93	219093	103.782 ug/l	94

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 VSTDICC100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	420245	111.170	ug/l	99
42) Vinyl Acetate	5.90	43	4285441	585.201	ug/l	98
43) Ethyl Acetate	6.93	43	450265	114.538	ug/l	99
44) Isopropyl Acetate	8.17	43	717597	117.567	ug/l #	86
45) 1,4-Dioxane	9.20	88	131355	2011.753	ug/l	88
46) Methyl methacrylate	9.20	41	351436	115.900	ug/l	96
47) n-amyl Acetate	12.07	43	625115	123.841	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	468399	117.740	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	530593	113.900	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	320824	102.316	ug/l	98
51) Ethyl methacrylate	10.43	69	523427	110.339	ug/l	96
52) 1,3-Dichloropropane	10.71	76	544630	107.138	ug/l	99
53) Dibromochloromethane	10.90	129	335945	109.448	ug/l	99
54) 1,2-Dibromoethane	11.00	107	340832	104.165	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	1337330	804.841	ug/l	98
56) Bromoform	12.13	173	249893	112.537	ug/l #	99
58) 4-Methyl-2-Pentanone	9.99	43	2261658	579.978	ug/l	97
59) 2-Hexanone	10.75	43	1705100	611.762	ug/l	99
61) Tetrachloroethene	10.63	164	310027	86.379	ug/l	99
62) Toluene	10.16	91	1391259	100.075	ug/l	100
64) Chlorobenzene	11.43	112	852533	101.100	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	312734	102.849	ug/l	98
66) Ethyl Benzene	11.51	91	1541892	104.132	ug/l	99
67) m/p-Xylenes	11.62	106	1156951	204.134	ug/l	95
68) o-Xylene	11.95	106	560009	100.928	ug/l	97
69) Styrene	11.96	104	967906	107.368	ug/l	98
70) Isopropylbenzene	12.25	105	1478014	101.953	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	482622	110.421	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	598242	158.109	ug/l	65
73) Bromobenzene	12.53	156	382807	99.483	ug/l	89
74) n-propylbenzene	12.59	91	1718206	112.310	ug/l	98
75) 2-Chlorotoluene	12.67	91	1005843	105.998	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	1258993	105.579	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	152665	141.403	ug/l	94
78) 4-Chlorotoluene	12.77	91	1013425	114.355	ug/l	97
79) tert-butylbenzene	12.99	119	1060513	100.381	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	1261941	108.786	ug/l	98
81) sec-Butylbenzene	13.17	105	1437017	107.522	ug/l	99
82) p-Isopropyltoluene	13.29	119	1324229	109.589	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	669059	111.571	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	656644	114.956	ug/l	99
85) n-Butylbenzene	13.61	91	1160261	128.654	ug/l	98
86) Hexachloroethane	13.87	117	208947	110.919	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	666523	109.347	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	94967	138.417	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	418258	140.677	ug/l	98
90) Hexachlorobutadiene	15.01	225	220107	98.916	ug/l	99
91) Naphthalene	15.13	128	1189607	146.947	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	423324	132.673	ug/l	99

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MSVOA_N
ClientSampleId :
VSTDICC100

Quant Time: Jul 03 10:43:53 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 10:34:01 2019
Response via : Initial Calibration

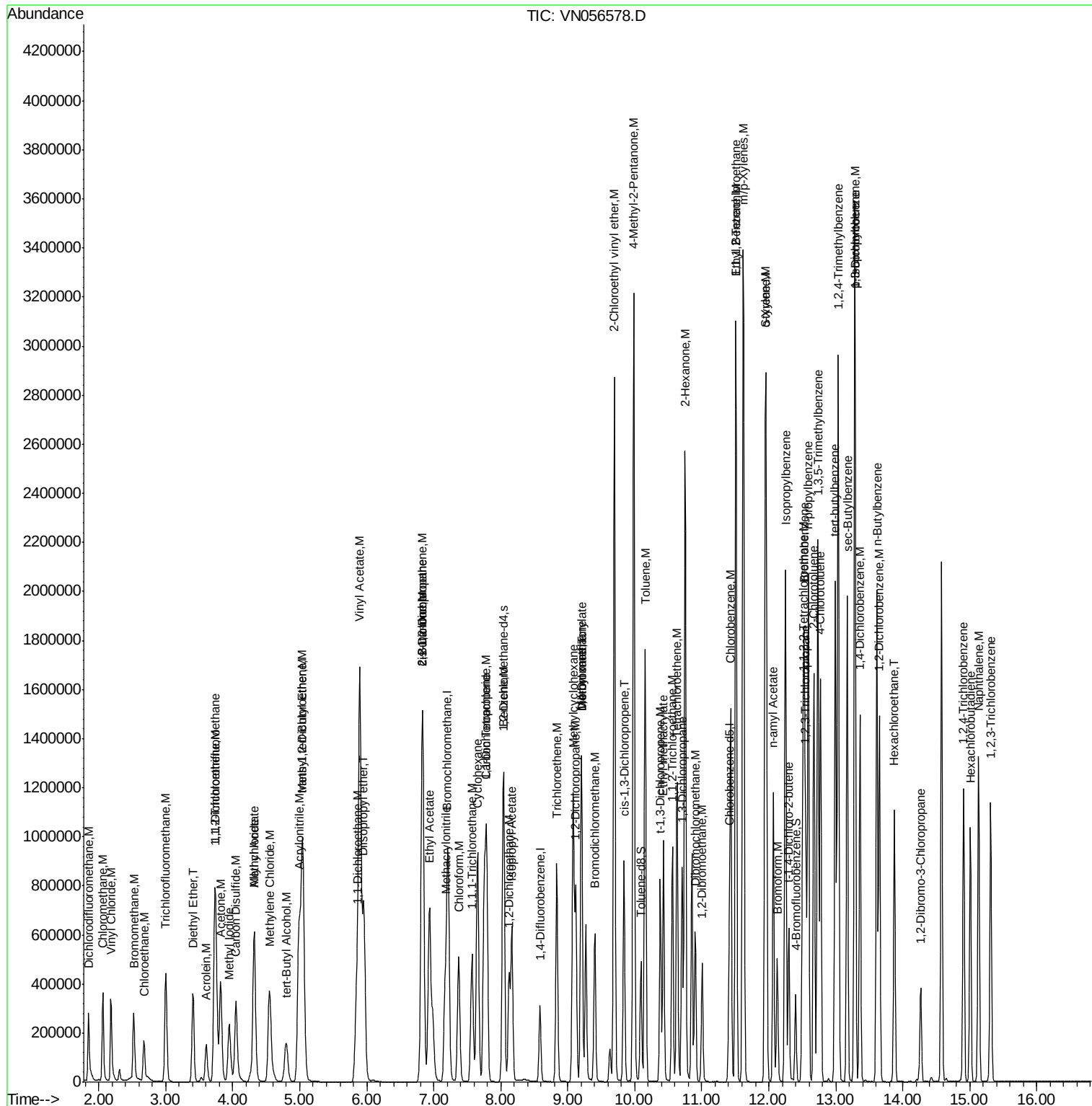
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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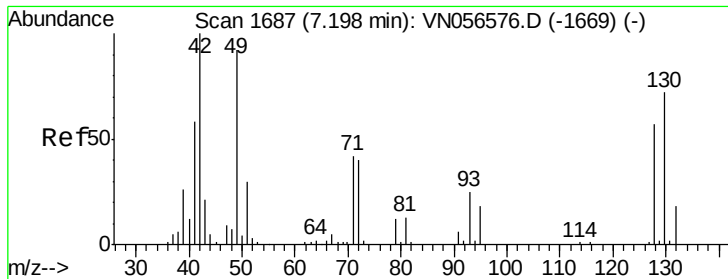
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN056578.D
Acq On : 3 Jul 2019 10:19
Operator : JC/SP
Sample : VSTDIC100
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Quant Time: Jul 03 10:43:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N070319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 03 10:34:01 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

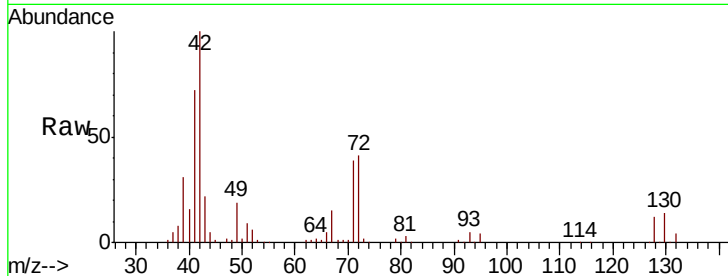
Tgt Ion:128 Resp: 52045

Ion Ratio Lower Upper

128 100

49 167.5 0.0 355.8

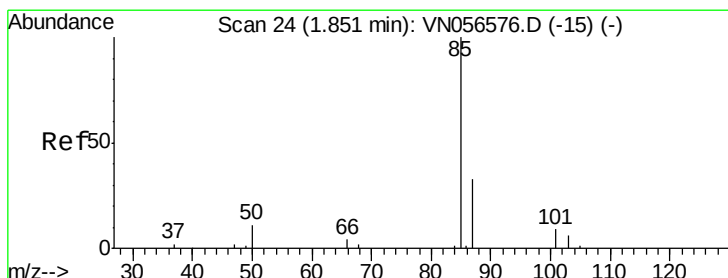
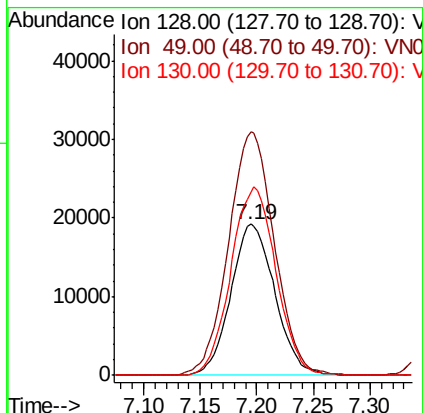
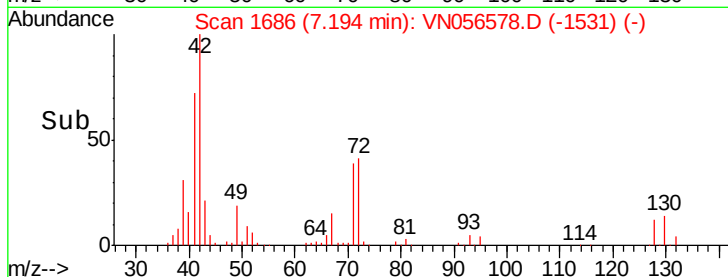
130 127.7 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 88.258 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN056578.D

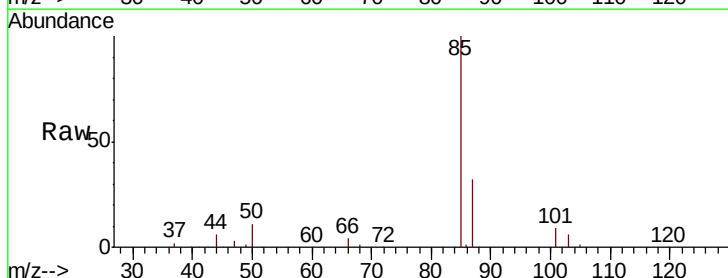
Acq: 3 Jul 2019 10:19

Tgt Ion: 85 Resp: 258353

Ion Ratio Lower Upper

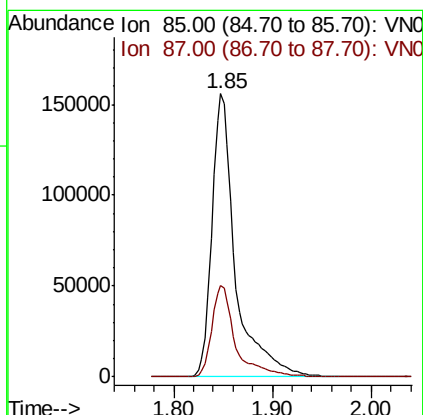
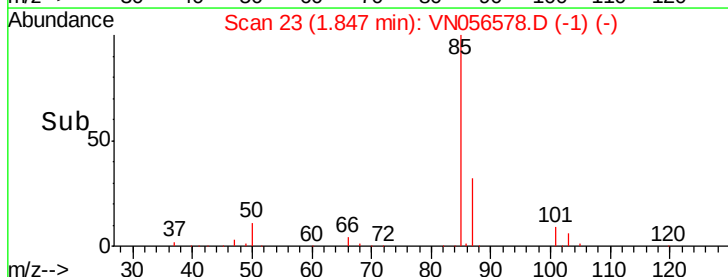
85 100

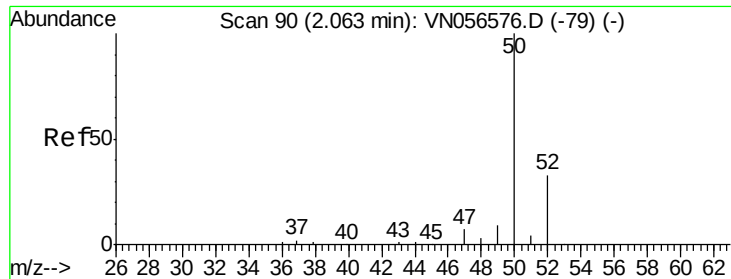
87 32.4 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN

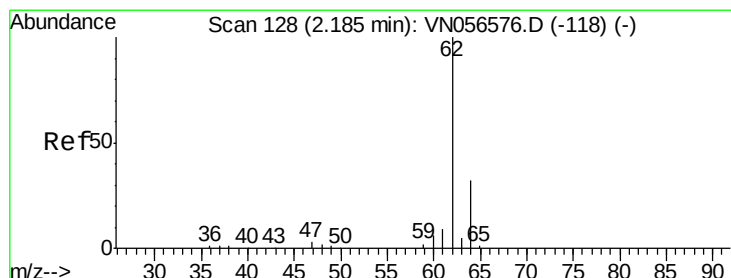
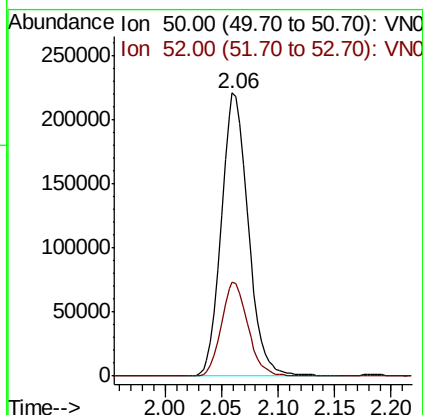
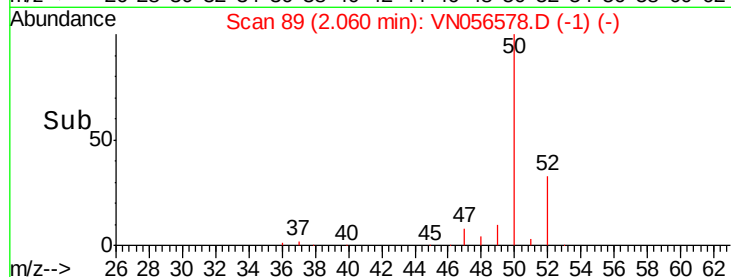
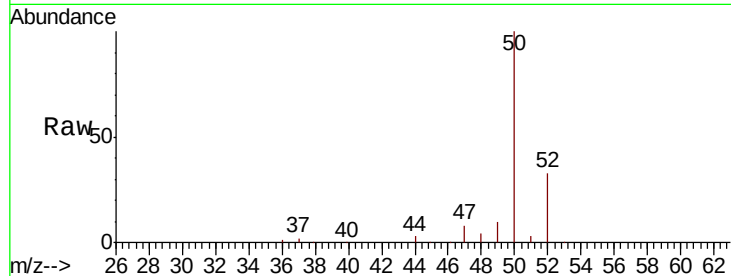




#3
Chloromethane
Concen: 107.300 ug/l
RT: 2.06 min Scan# 89
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

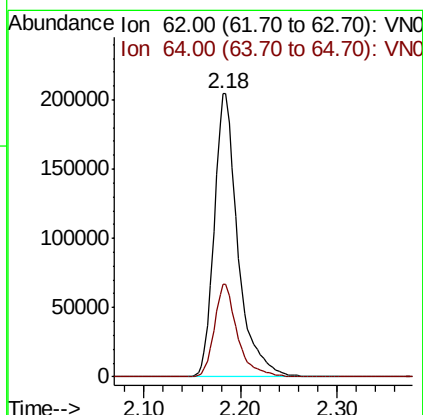
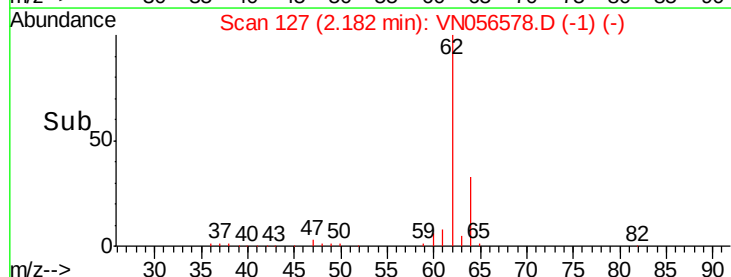
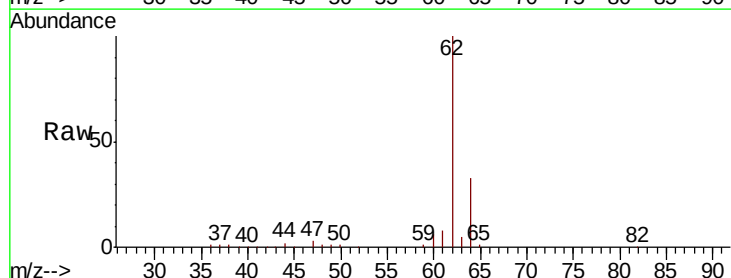
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

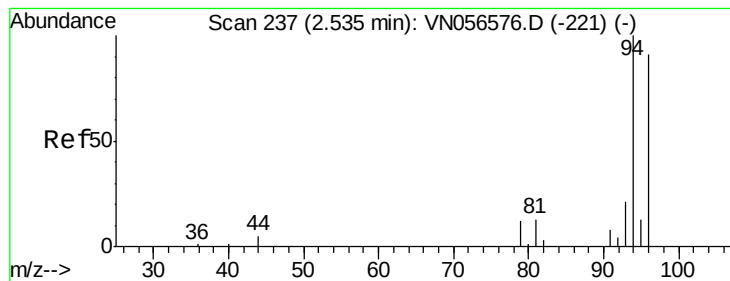
Tgt Ion: 50 Resp: 366979
Ion Ratio Lower Upper
50 100
52 33.3 26.7 40.1



#4
Vinyl Chloride
Concen: 99.771 ug/l
RT: 2.18 min Scan# 127
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion: 62 Resp: 347908
Ion Ratio Lower Upper
62 100
64 32.8 25.8 38.8





#5

Bromomethane

Concen: 82.437 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampled :

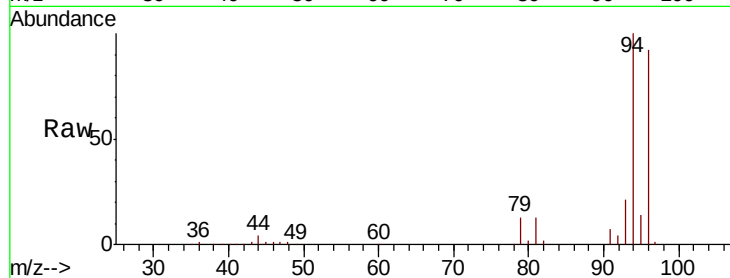
VSTDIC100

Tgt Ion: 94 Resp: 180660

Ion Ratio Lower Upper

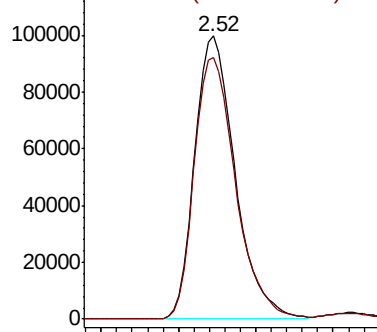
94 100

96 92.4 74.1 111.1

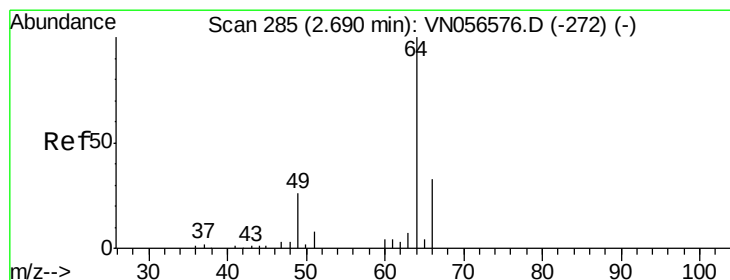
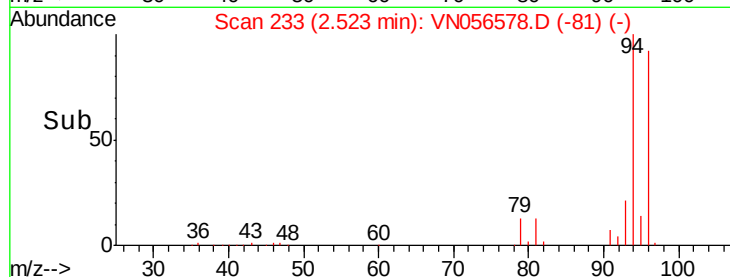


Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



Time-->



#6

Chloroethane

Concen: 85.124 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.02 min

Lab File: VN056578.D

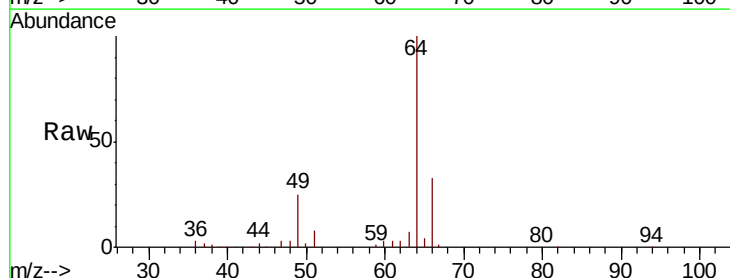
Acq: 3 Jul 2019 10:19

Tgt Ion: 64 Resp: 167897

Ion Ratio Lower Upper

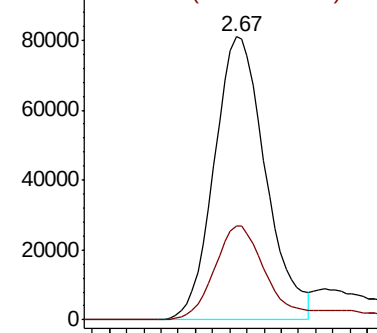
64 100

66 33.4 23.7 35.5

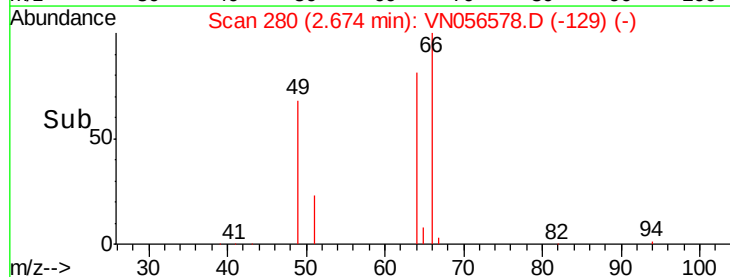


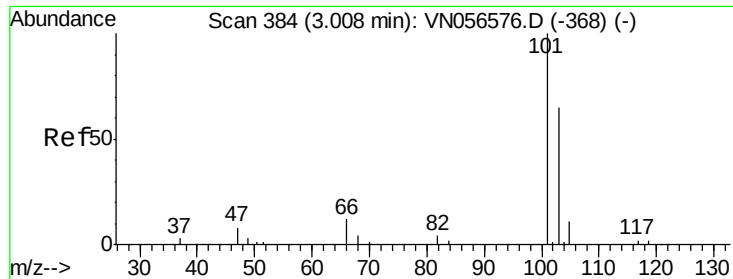
Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



Time-->



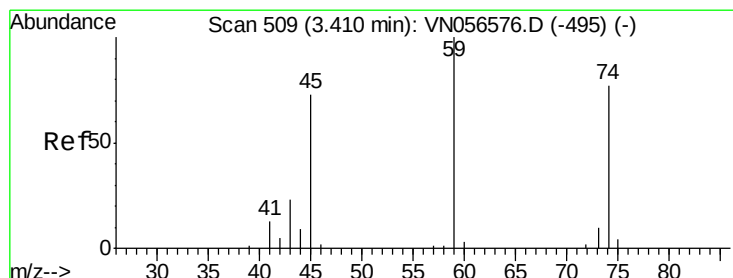
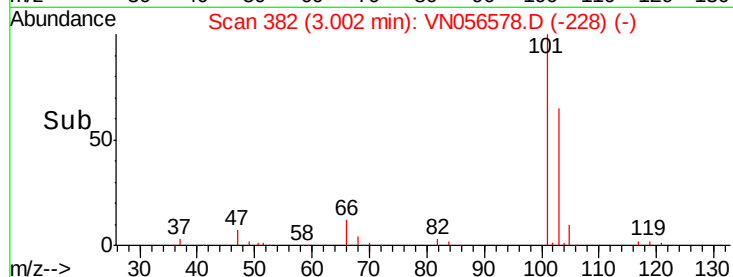
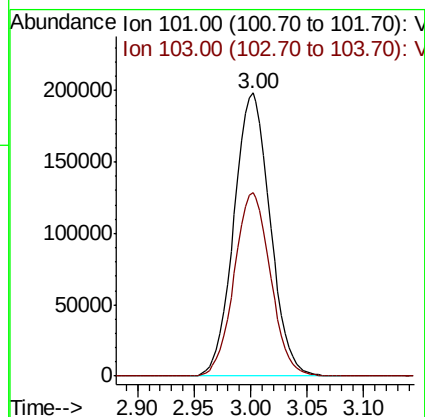
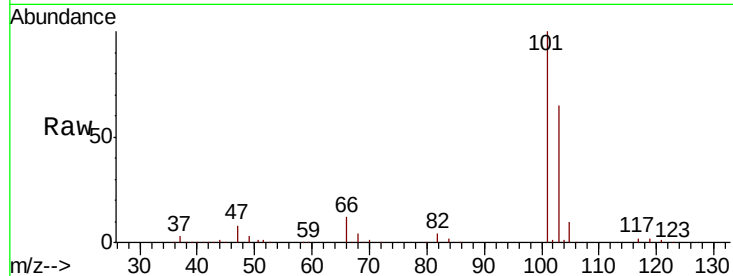


#7

Trichlorofluoromethane
 Concen: 102.743 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.01 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
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 VSTDIC100

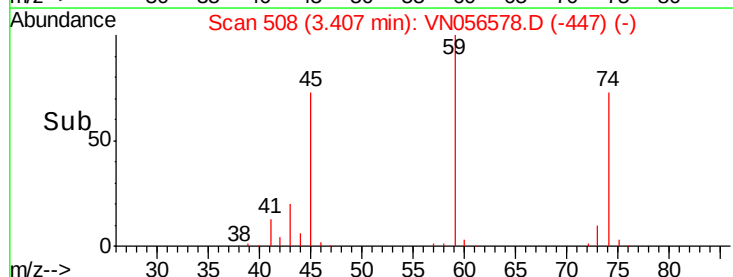
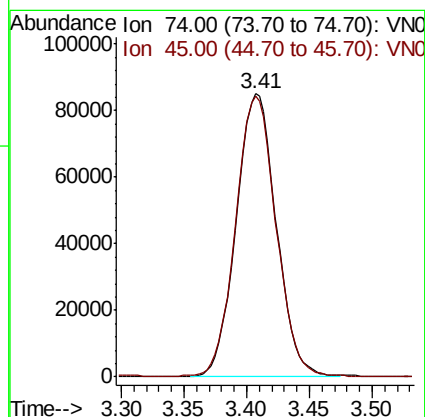
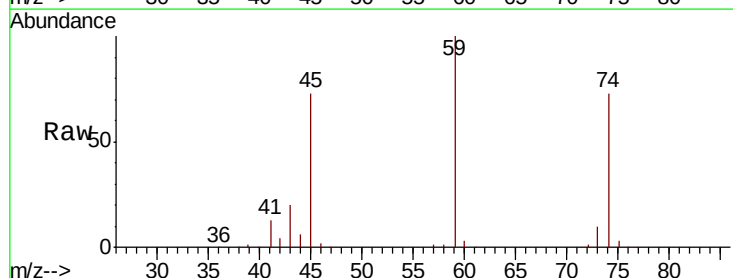
Tgt Ion:101 Resp: 443281
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.4 80.0

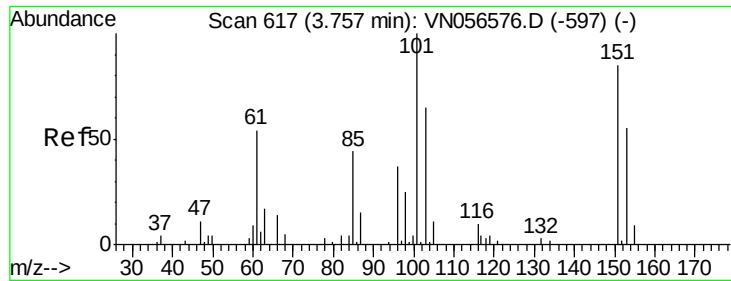


#8

Diethyl Ether
 Concen: 103.297 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion: 74 Resp: 189016
 Ion Ratio Lower Upper
 74 100
 45 99.9 18.8 169.6

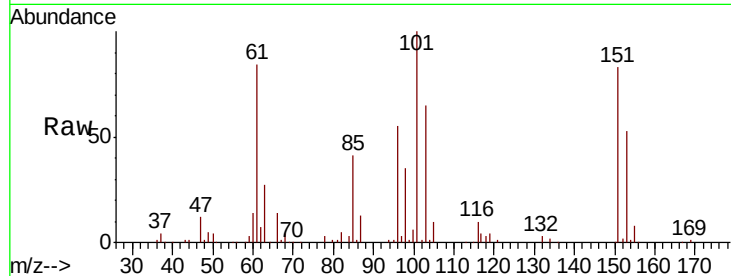




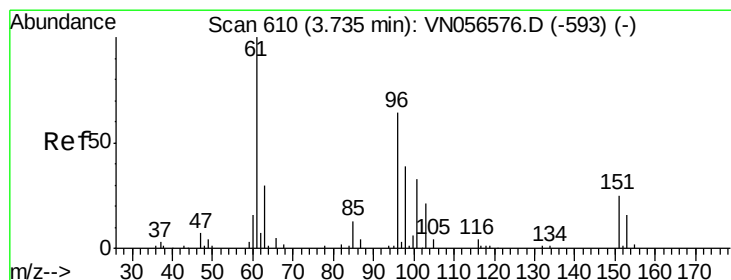
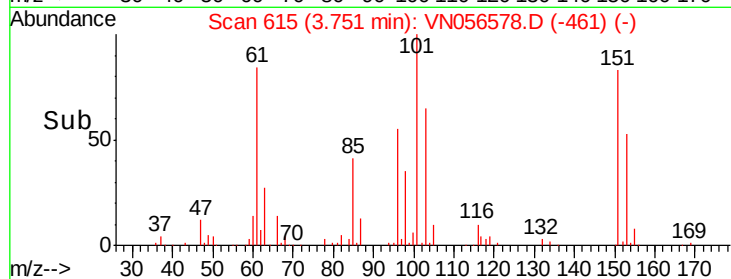
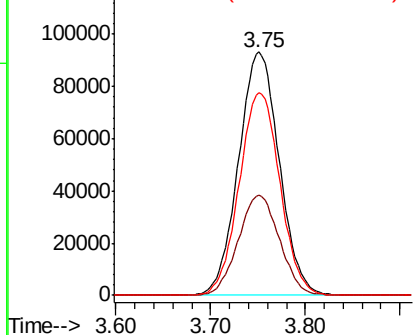
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 104.699 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 101 Resp: 278836
 Ion Ratio Lower Upper
 101 100
 85 41.7 0.0 82.0
 151 83.4 0.0 177.0

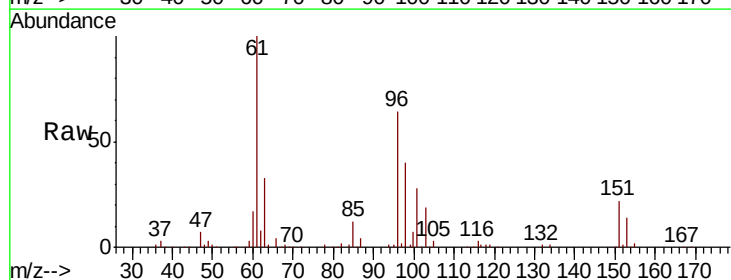


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

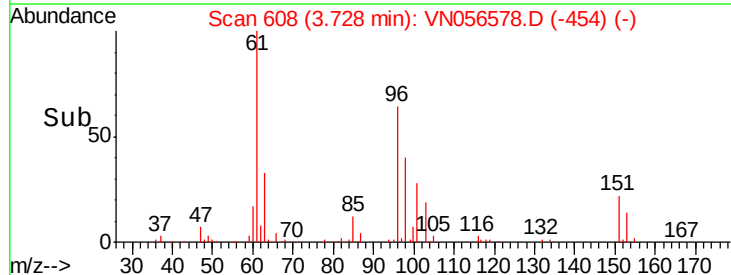
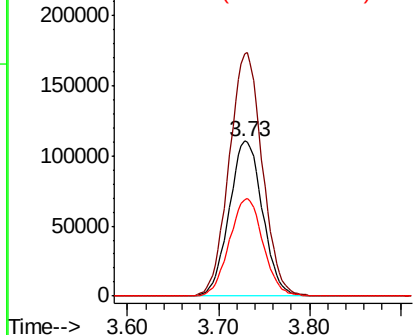


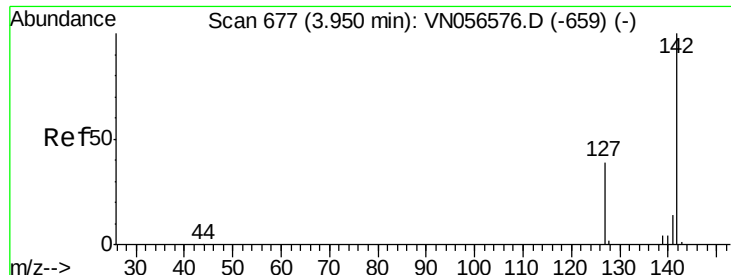
#10
 1,1-Dichloroethene
 Concen: 104.268 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion: 96 Resp: 283269
 Ion Ratio Lower Upper
 96 100
 61 156.6 119.7 179.5
 98 62.2 52.3 78.5



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

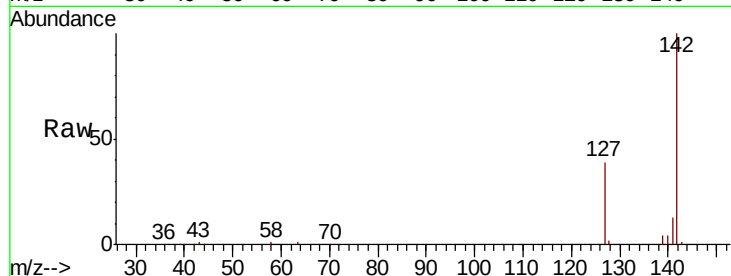




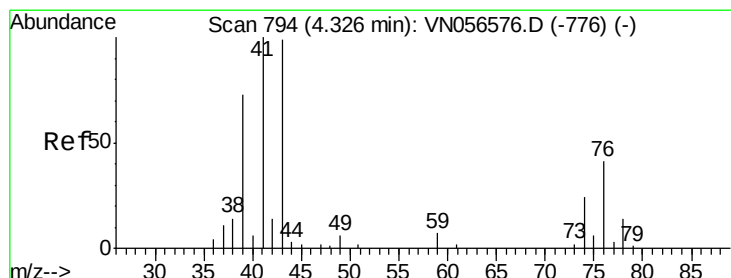
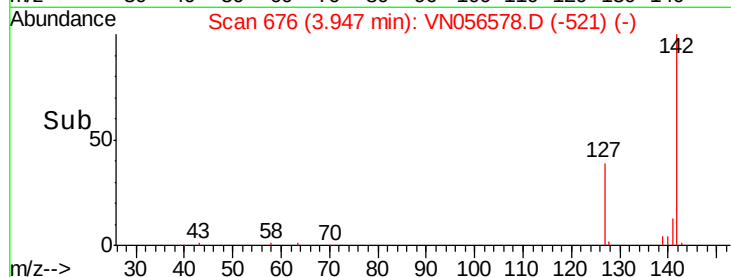
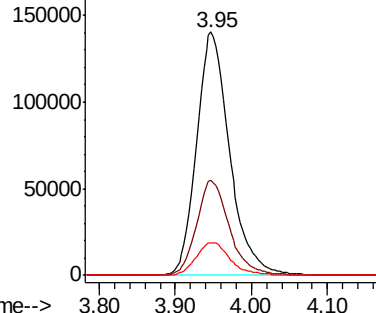
#11
Methyl Iodide
Concen: 99.143 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 142 Resp: 424953
Ion Ratio Lower Upper
142 100
127 38.8 19.0 57.0
141 13.5 6.7 20.0

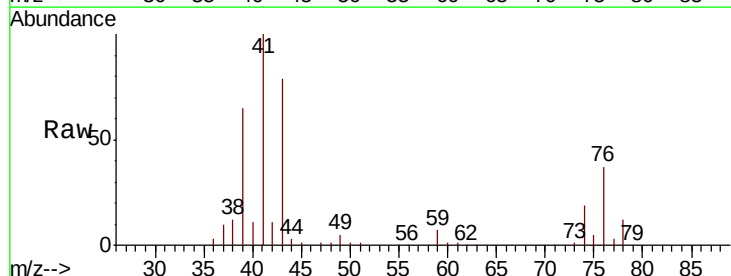


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

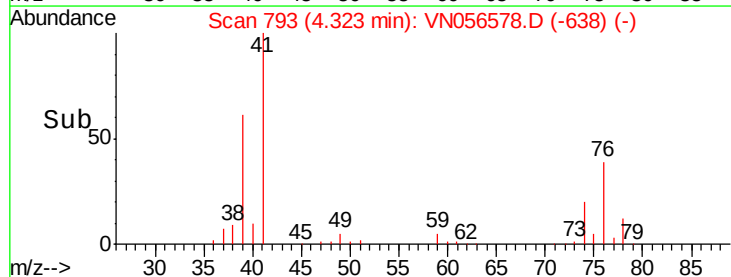
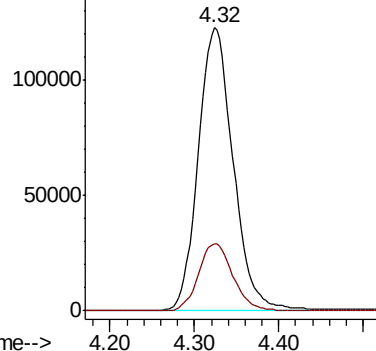


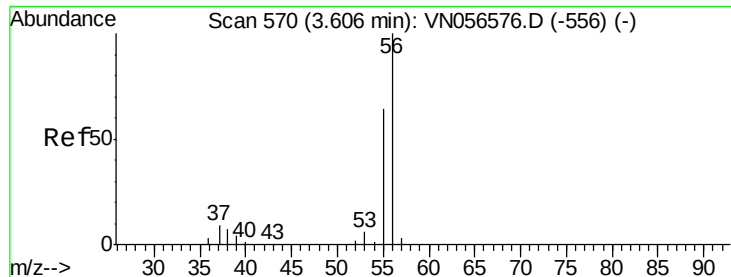
#12
Methyl Acetate
Concen: 107.101 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion: 43 Resp: 349643
Ion Ratio Lower Upper
43 100
74 23.9 19.9 29.9



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

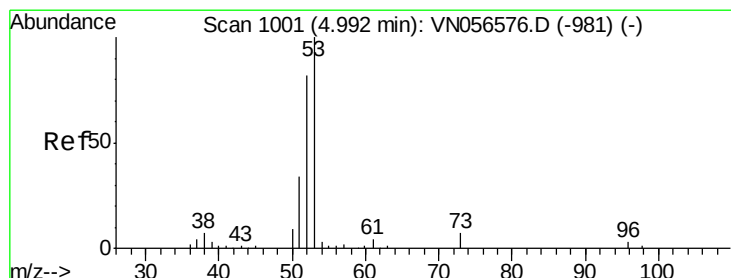
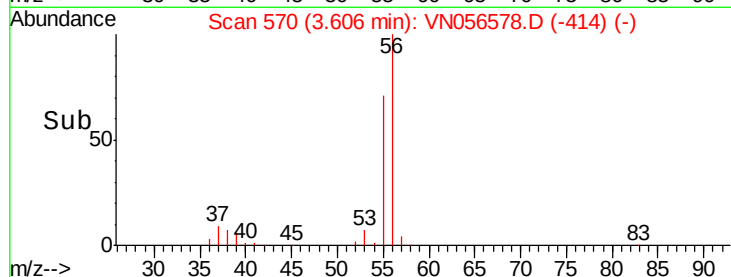
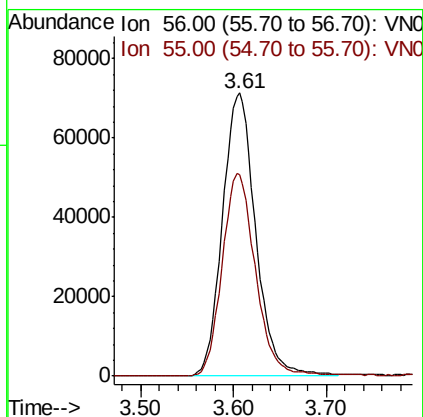
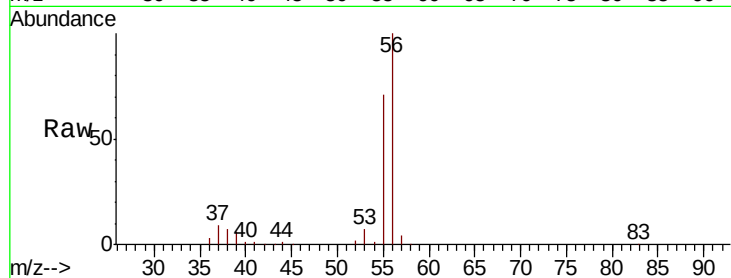




#13
Acrolein
Concen: 1114.279 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

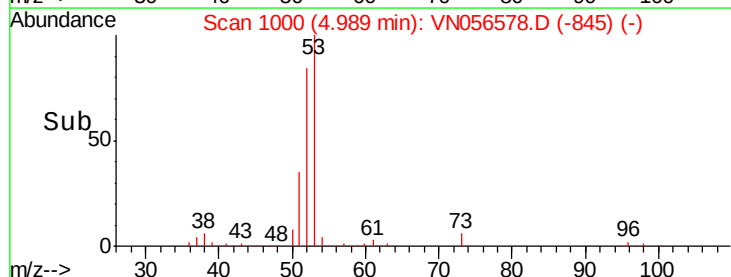
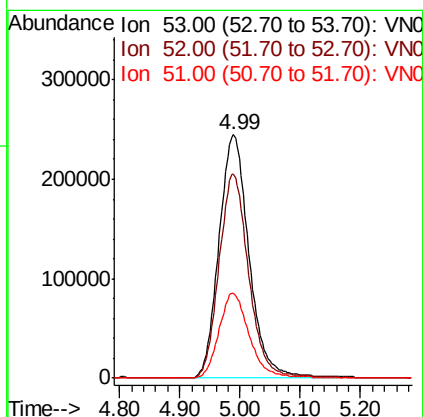
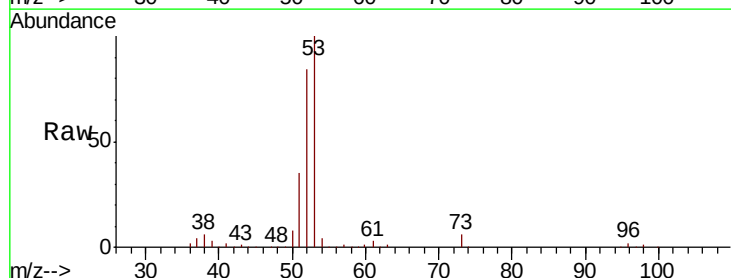
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

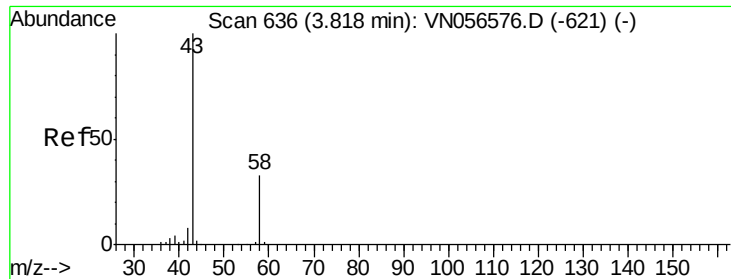
Tgt Ion: 56 Resp: 177305
Ion Ratio Lower Upper
56 100
55 71.8 57.9 86.9



#14
Acrylonitrile
Concen: 581.362 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion: 53 Resp: 846386
Ion Ratio Lower Upper
53 100
52 82.1 40.8 122.2
51 34.9 17.3 52.0





#15

Acetone

Concen: 477.383 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

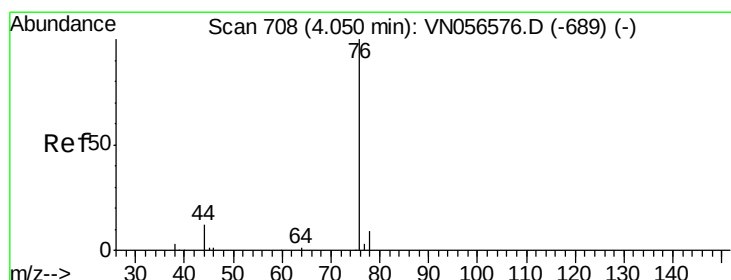
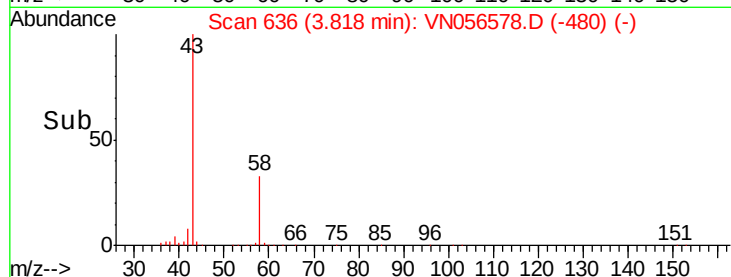
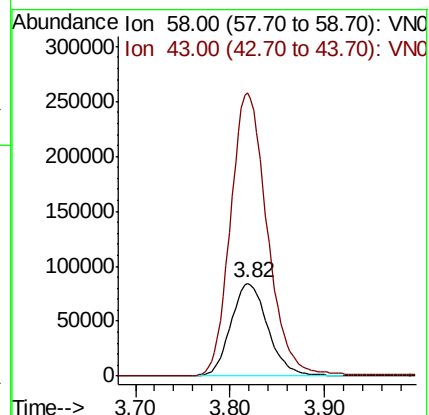
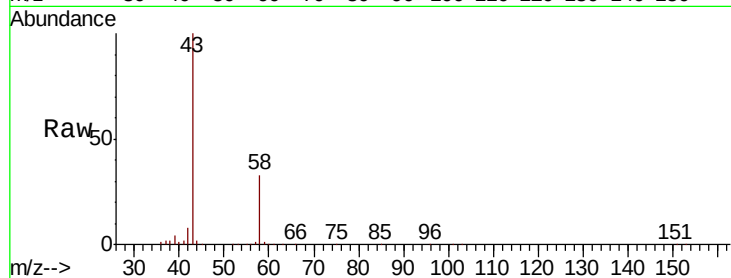
VSTDIC100

Tgt Ion: 58 Resp: 227565

Ion Ratio Lower Upper

58 100

43 303.5 232.5 348.7



#16

Carbon Disulfide

Concen: 110.606 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN056578.D

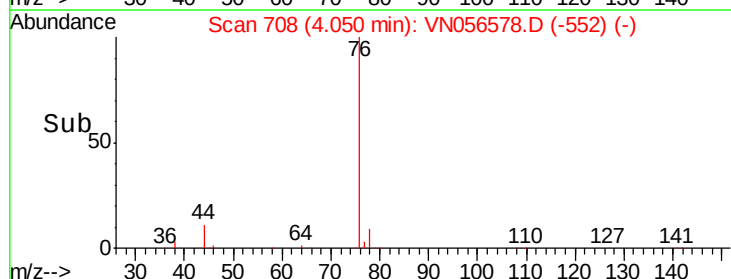
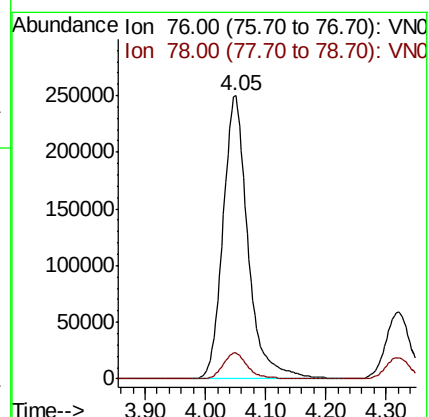
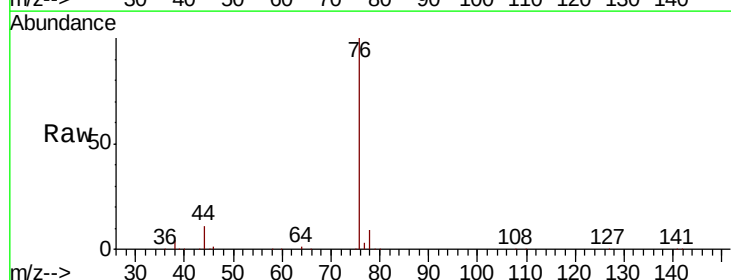
Acq: 3 Jul 2019 10:19

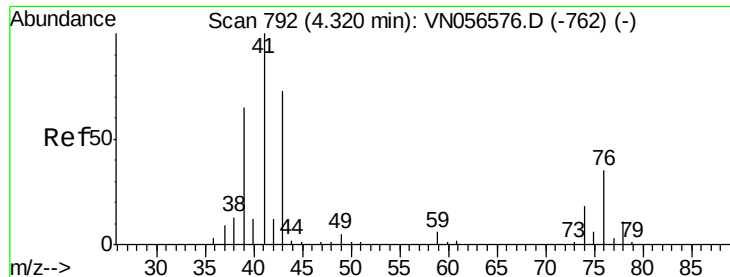
Tgt Ion: 76 Resp: 714972

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

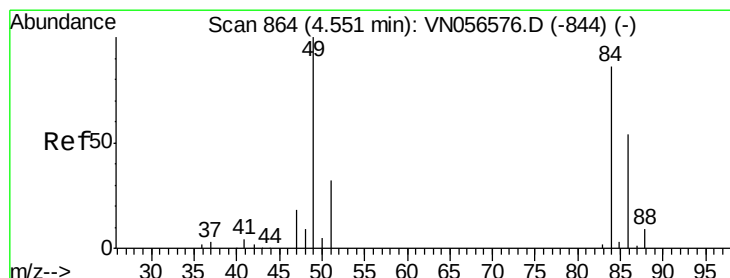
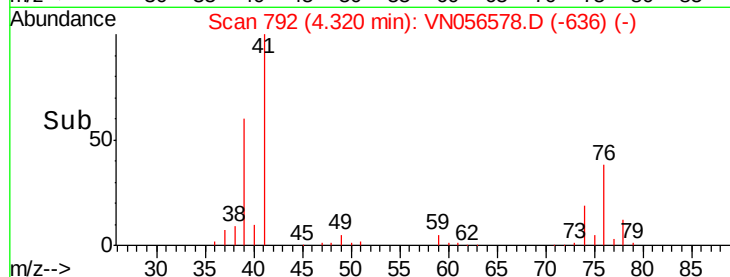
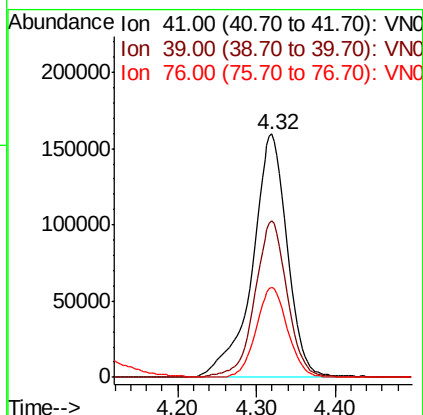
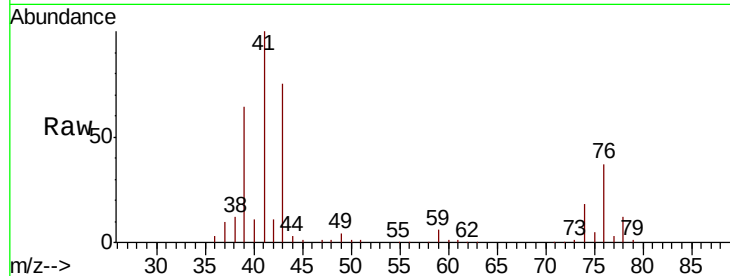




#17
 Allyl chloride
 Concen: 118.681 ug/l
 RT: 4.32 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

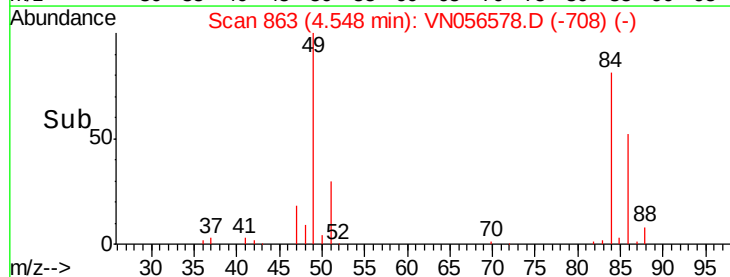
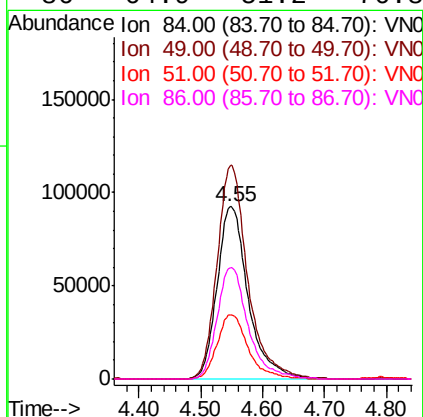
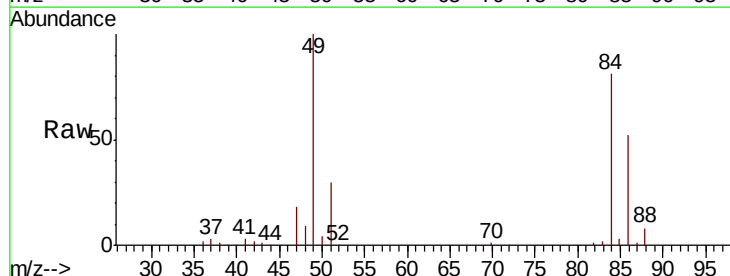
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

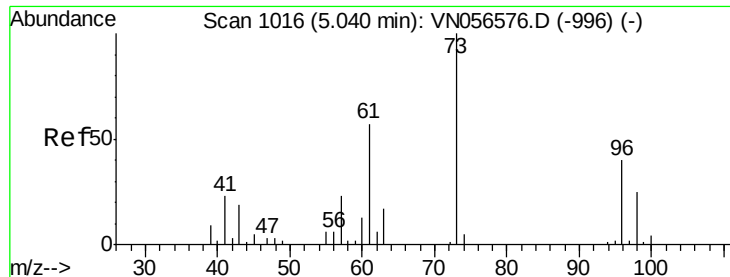
Tgt Ion: 41 Resp: 499567
 Ion Ratio Lower Upper
 41 100
 39 64.3 33.0 99.0
 76 36.9 18.9 56.9



#18
 Methylene Chloride
 Concen: 102.679 ug/l
 RT: 4.55 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion: 84 Resp: 322940
 Ion Ratio Lower Upper
 84 100
 49 123.7 87.6 131.4
 51 37.5 27.0 40.4
 86 64.9 51.2 76.8

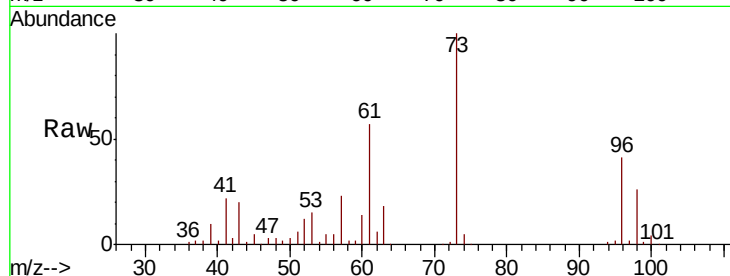




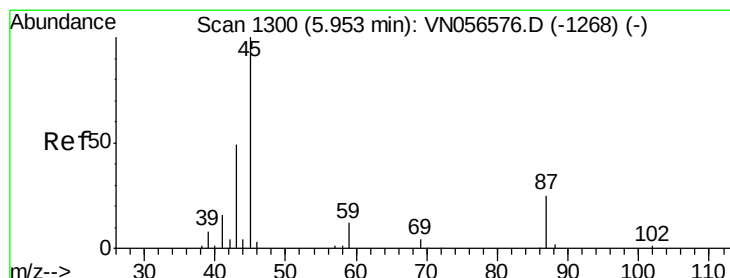
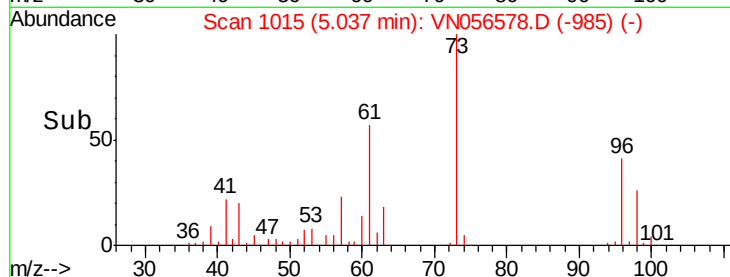
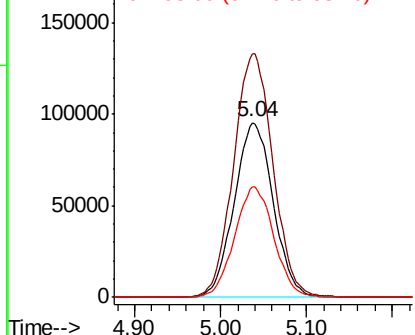
#19
trans-1,2-Dichloroethene
Concen: 103.743 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 96 Resp: 300846
Ion Ratio Lower Upper
96 100
61 138.9 102.5 153.7
98 63.2 46.9 70.3



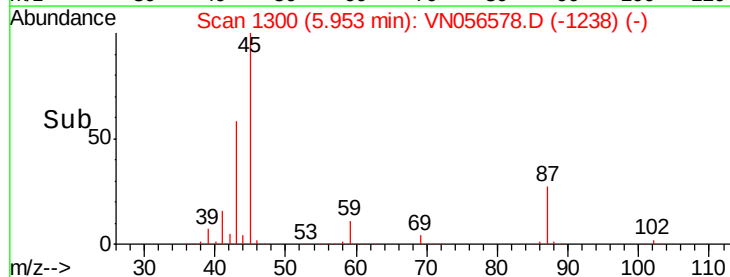
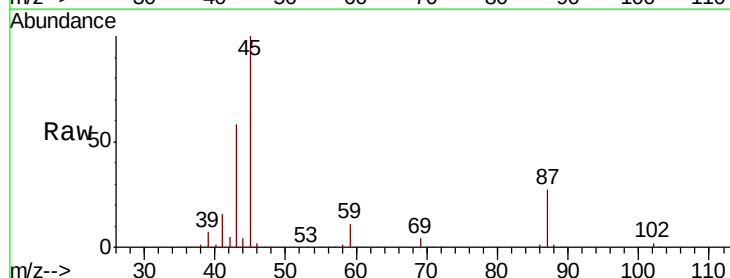
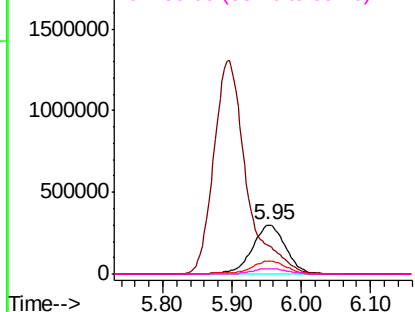
Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

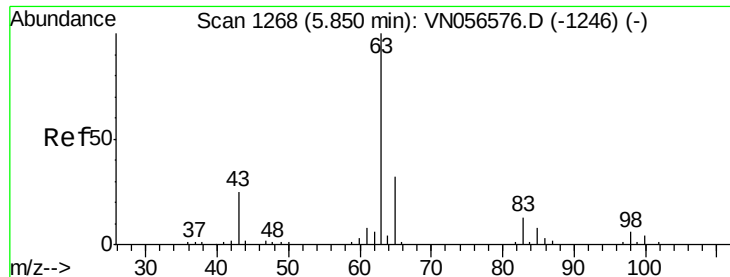


#20
Diisopropyl ether
Concen: 115.139 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion: 45 Resp: 1004146
Ion Ratio Lower Upper
45 100
43 57.1 48.0 72.0
87 27.1 23.4 35.2
59 11.2 9.2 13.8

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

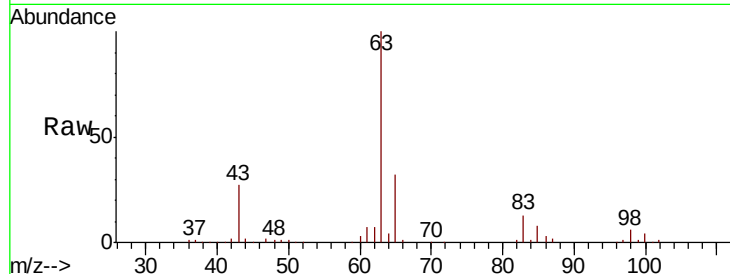




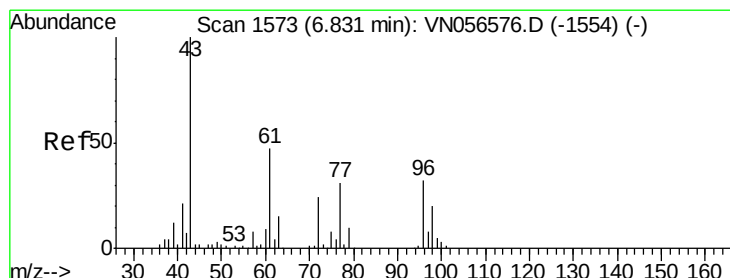
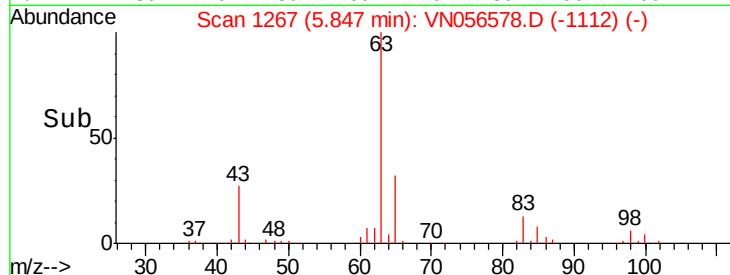
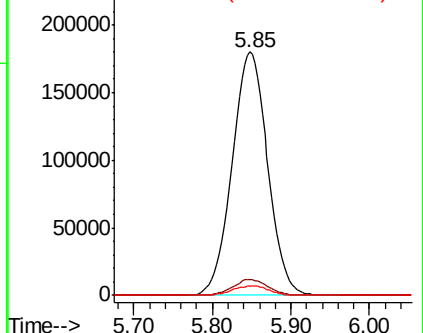
#21
 1,1-Dichloroethane
 Concen: 111.893 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.5
100	3.9	2.3	6.9

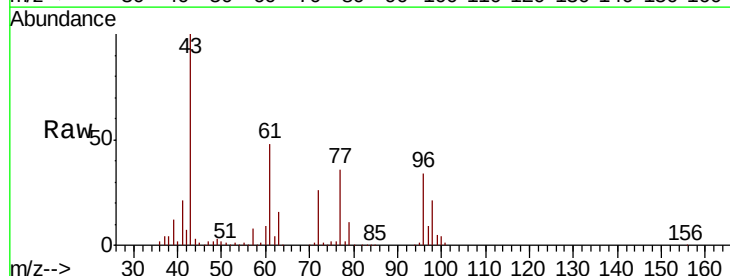


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

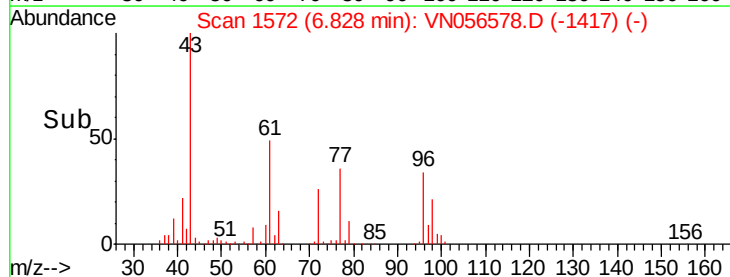
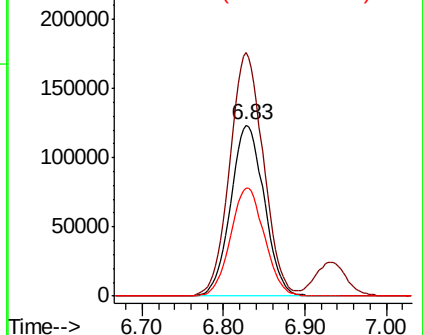


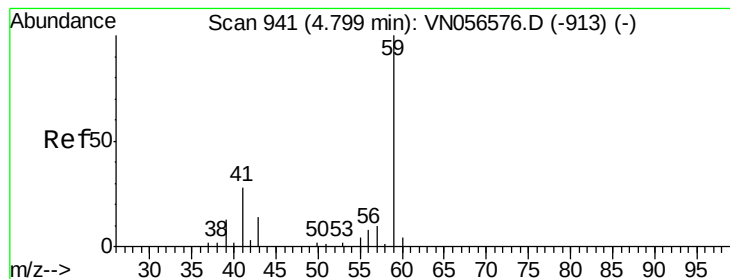
#22
 cis-1,2-Dichloroethene
 Concen: 104.706 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.5	105.7	158.5
98	63.9	52.0	78.0



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 535.063 ug/l

RT: 4.80 min Scan# 940

Delta R.T. -0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

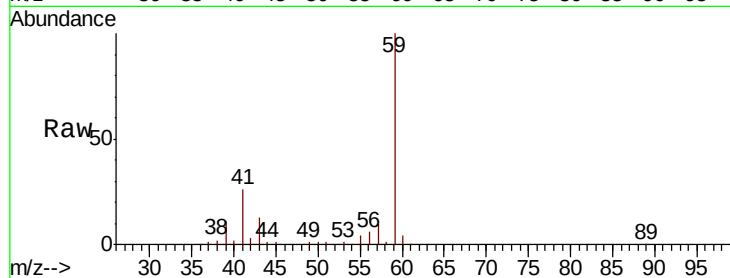
VSTDIC100

Tgt Ion: 59 Resp: 303209

Ion Ratio Lower Upper

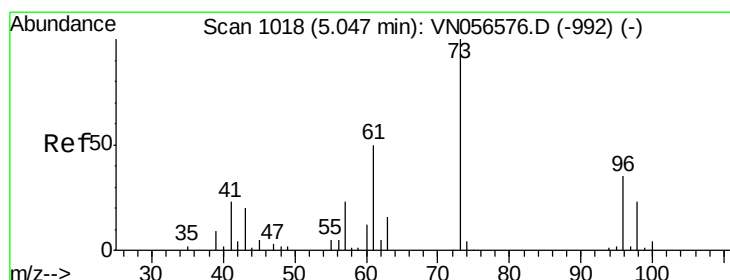
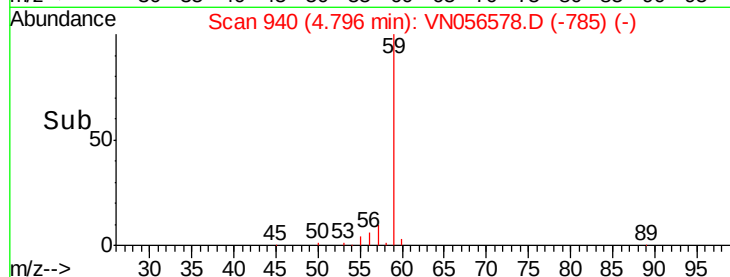
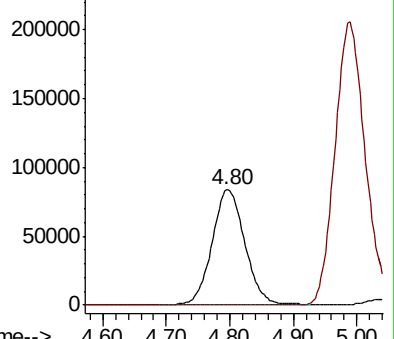
59 100

52 0.0 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN056576.D (-913) (-)

Ion 52.00 (51.70 to 52.70): VN056576.D (-913) (-)



#24

Methyl tert-Butyl Ether

Concen: 107.036 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN056578.D

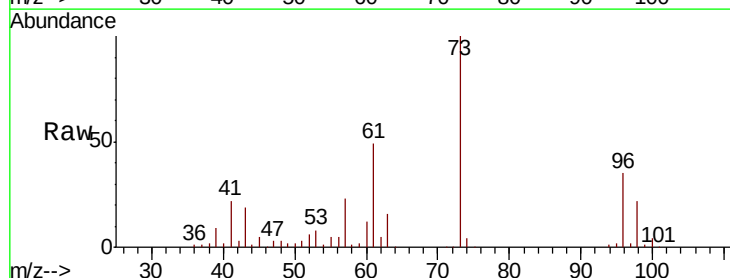
Acq: 3 Jul 2019 10:19

Tgt Ion: 73 Resp: 926726

Ion Ratio Lower Upper

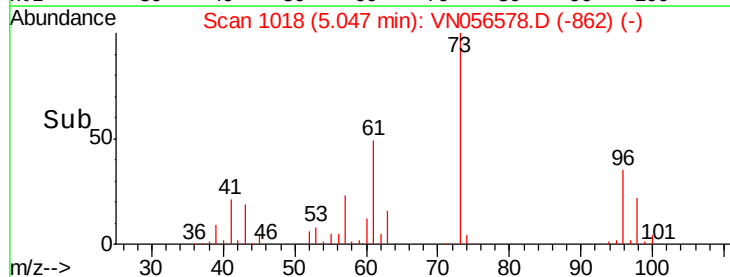
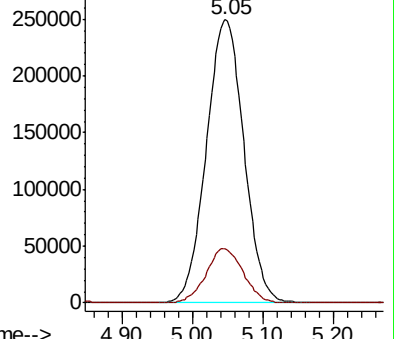
73 100

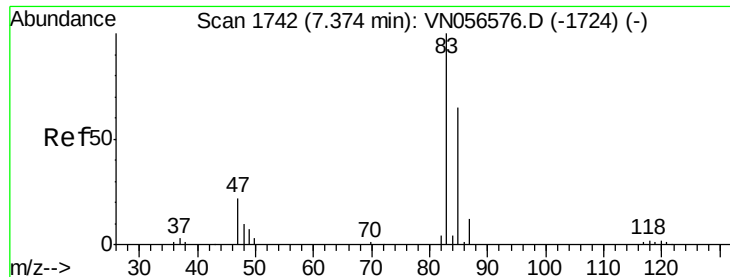
43 18.8 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN056576.D (-992) (-)

Ion 43.00 (42.70 to 43.70): VN056576.D (-992) (-)

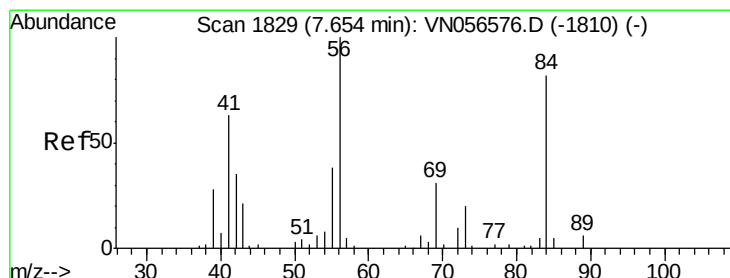
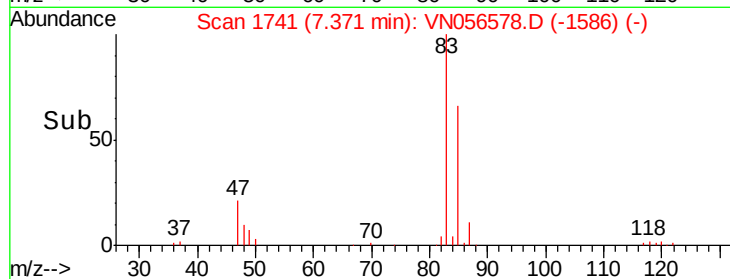
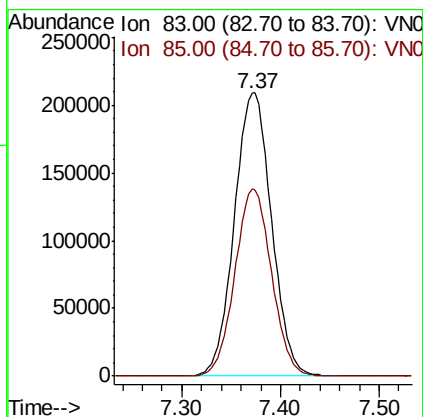
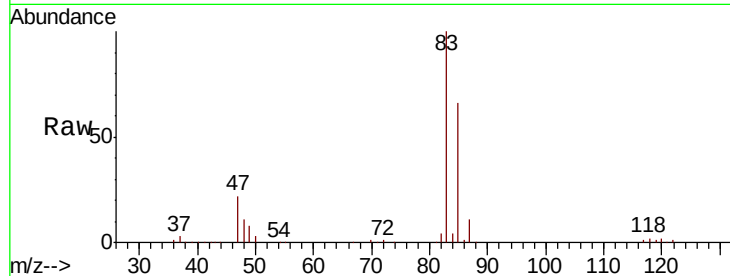




#25
Chloroform
Concen: 107.969 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

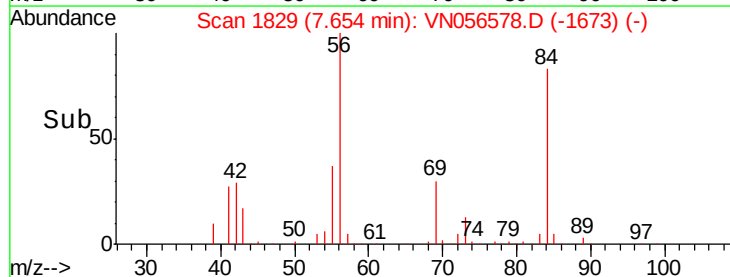
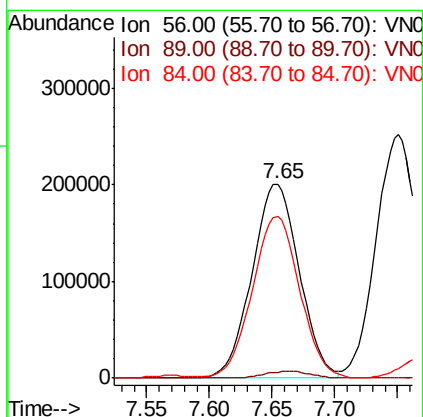
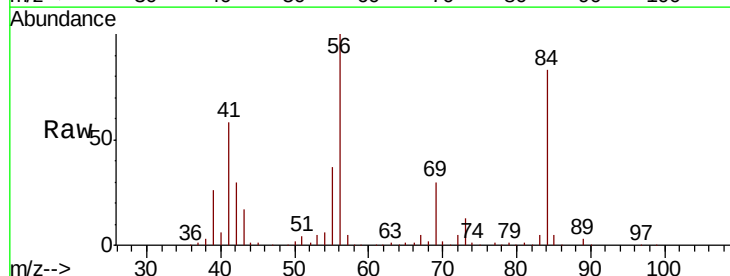
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

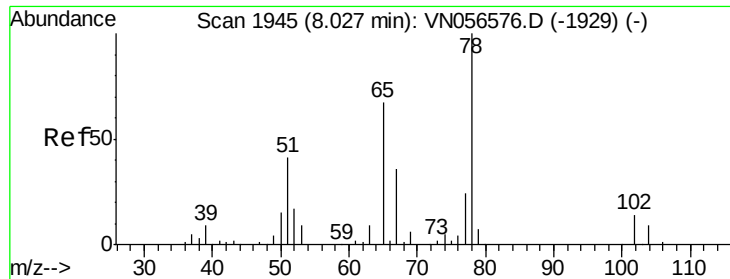
Tgt Ion: 83 Resp: 546424
Ion Ratio Lower Upper
83 100
85 66.3 52.0 78.0



#26
Cyclohexane
Concen: 112.004 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion: 56 Resp: 526653
Ion Ratio Lower Upper
56 100
89 3.5 0.0 0.0#
84 83.8 70.1 105.1





#27

1,2-Dichloroethane-d4

Concen: 33.053 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

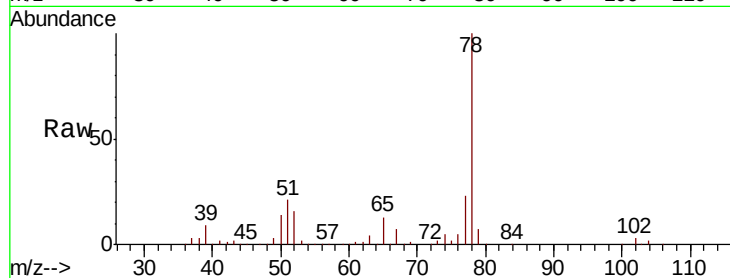
VSTDIC100

Tgt Ion: 65 Resp: 106825

Ion Ratio Lower Upper

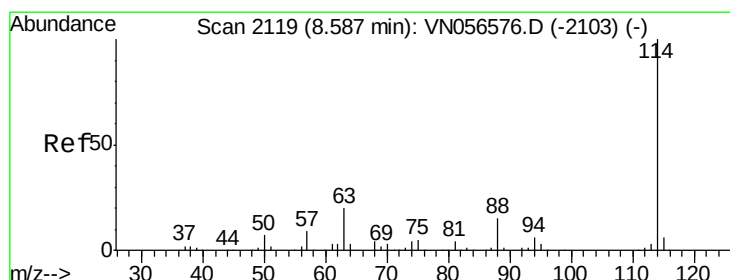
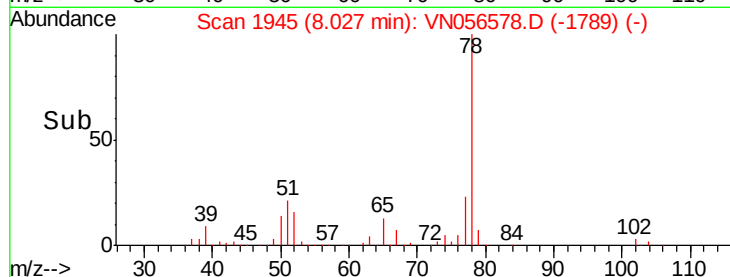
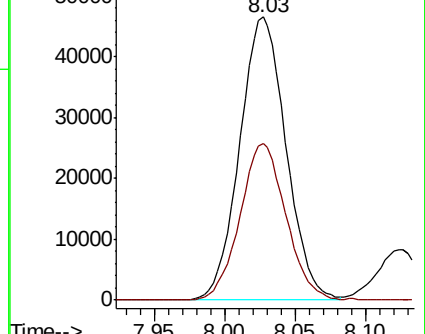
65 100

67 54.7 43.4 65.2



Abundance Ion 65.00 (64.70 to 65.70): VN056578.D (-1789) (-)

Ion 67.00 (66.70 to 67.70): VN056578.D (-1789) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

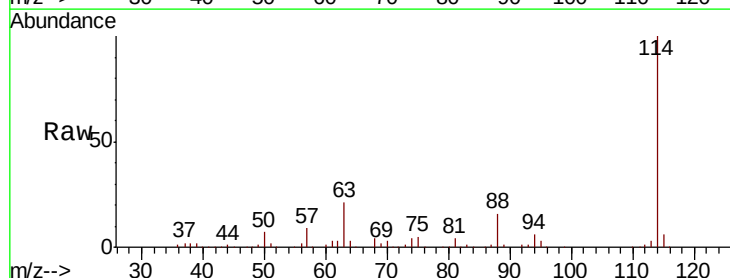
Tgt Ion: 114 Resp: 288446

Ion Ratio Lower Upper

114 100

63 20.2 14.7 22.1

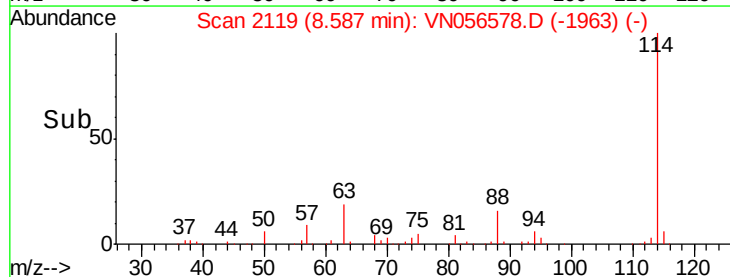
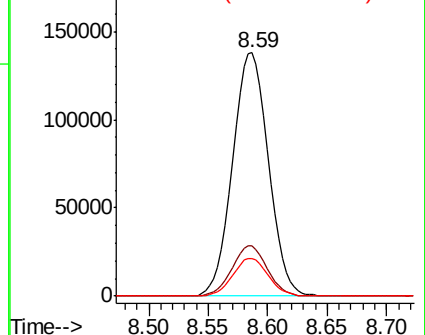
88 15.4 11.9 17.9

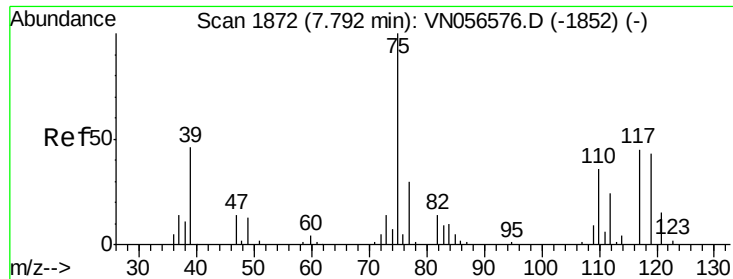


Abundance Ion 114.00 (113.70 to 114.70): VN056578.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN056578.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN056578.D (-1963) (-)

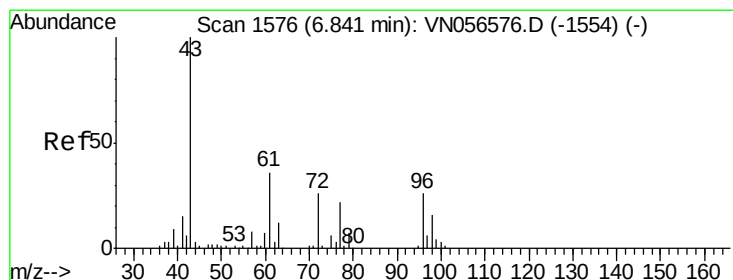
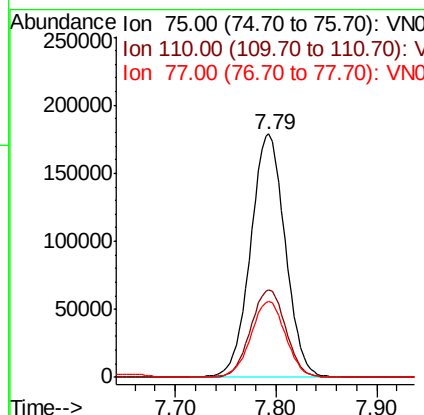
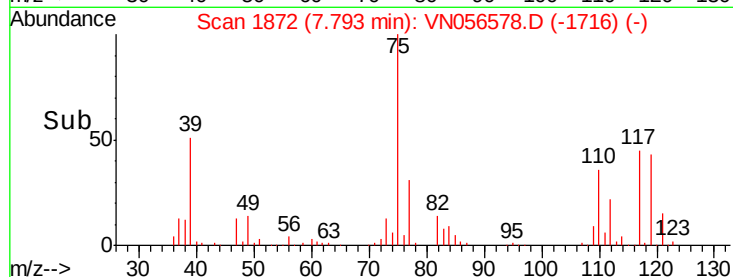
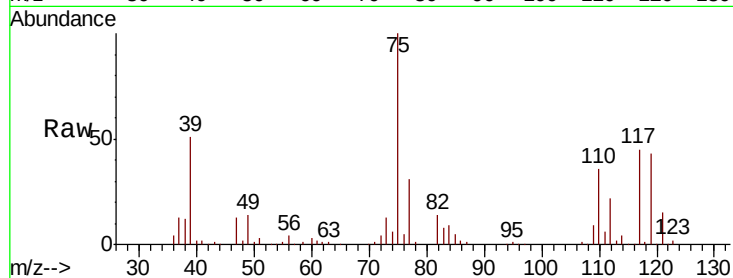




#29
 1,1-Dichloropropene
 Concen: 109.158 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

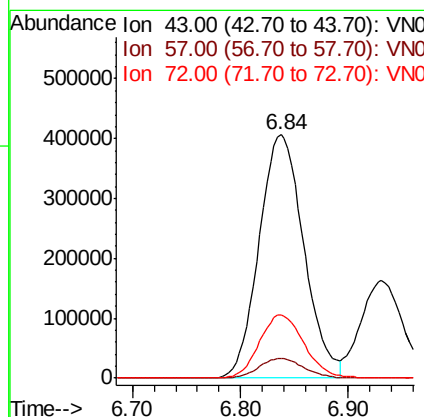
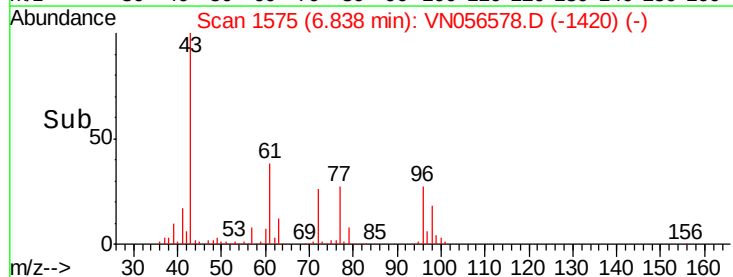
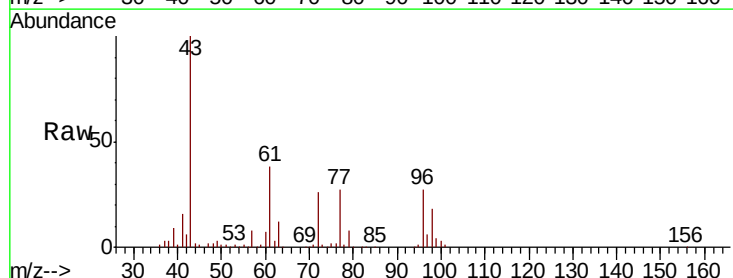
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

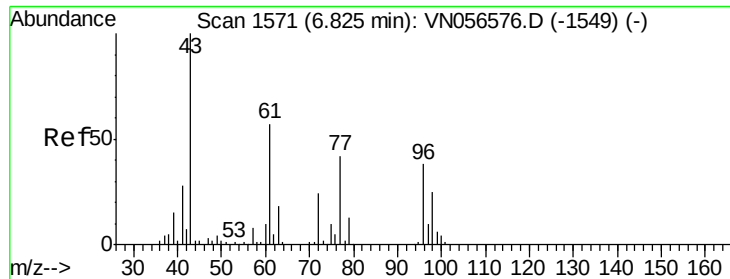
Tgt Ion: 75 Resp: 425906
 Ion Ratio Lower Upper
 75 100
 110 36.4 0.0 77.0
 77 31.5 0.0 62.4



#30
 2-Butanone
 Concen: 567.692 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion: 43 Resp: 1166072
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.7 10.1
 72 26.3 22.4 33.6





#31

2,2-Dichloropropane

Concen: 113.563 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

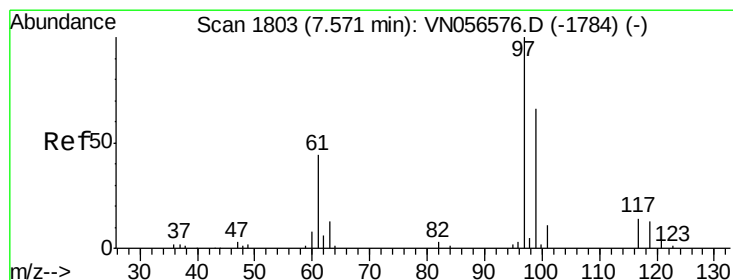
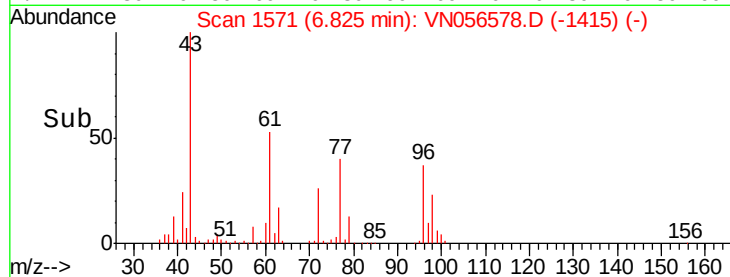
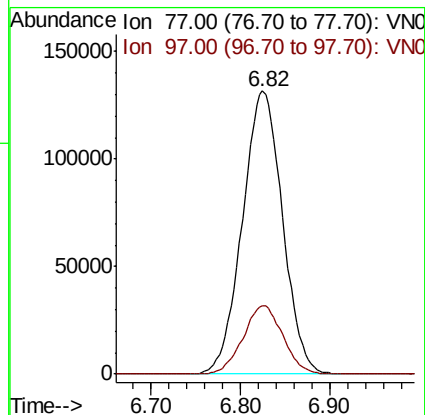
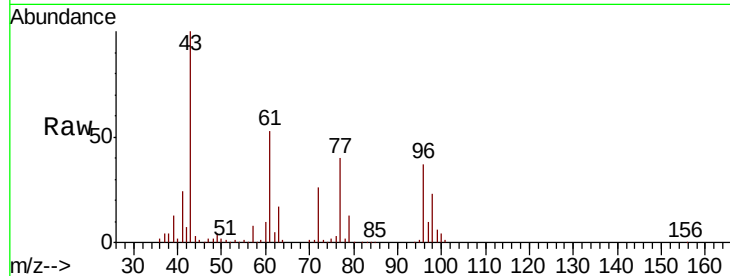
VSTDIC100

Tgt Ion: 77 Resp: 412200

Ion Ratio Lower Upper

77 100

97 24.0 20.8 31.2



#32

1,1,1-Trichloroethane

Concen: 105.191 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

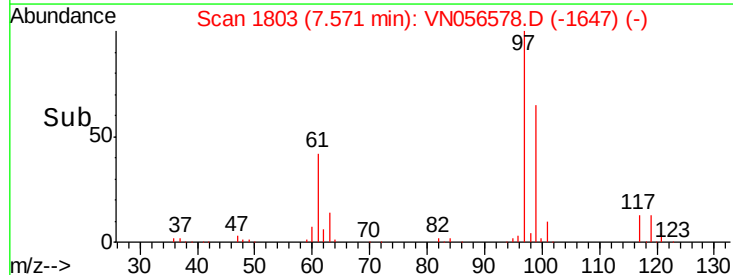
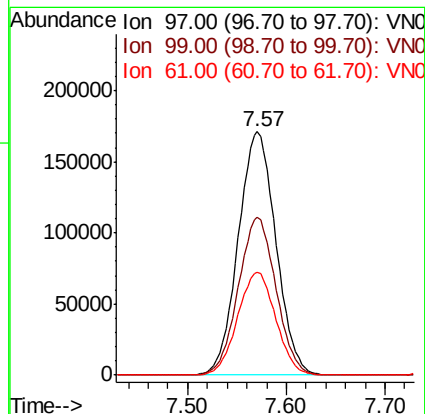
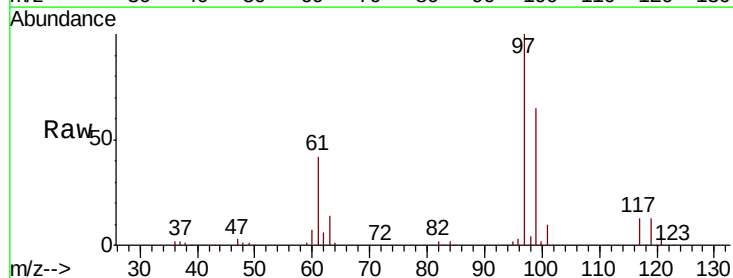
Tgt Ion: 97 Resp: 453457

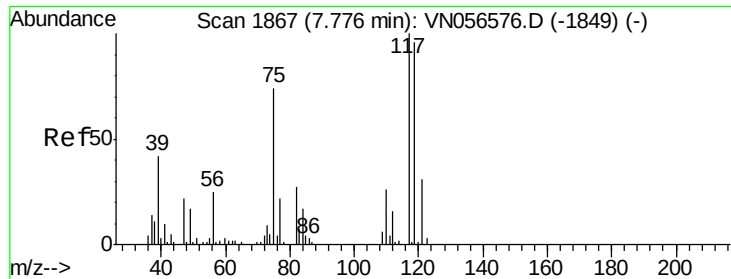
Ion Ratio Lower Upper

97 100

99 64.8 51.5 77.3

61 42.7 32.9 49.3

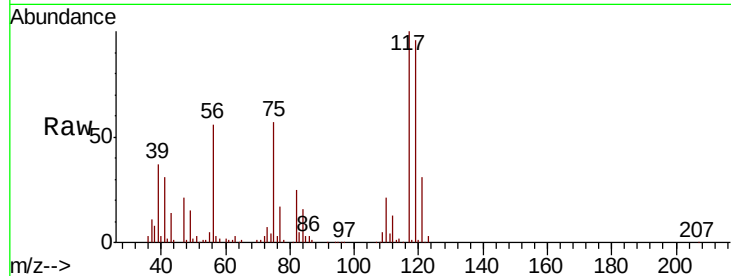




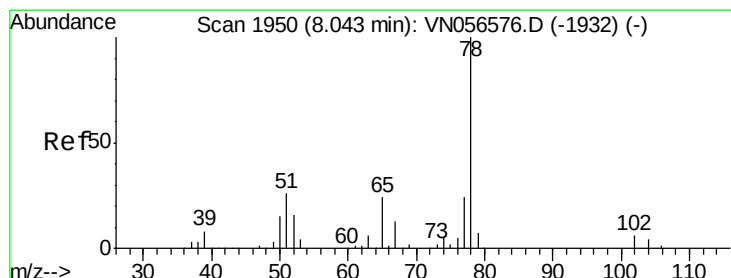
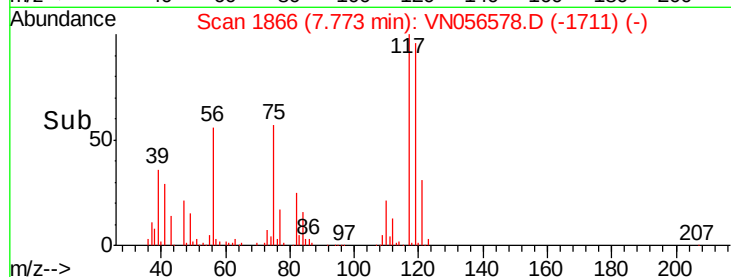
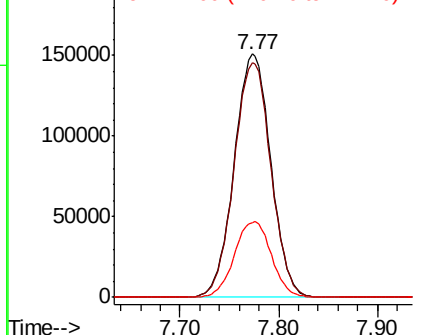
#33
Carbon Tetrachloride
Concen: 106.216 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 117 Resp: 387925
Ion Ratio Lower Upper
117 100
119 96.2 77.3 115.9
121 30.6 25.0 37.4

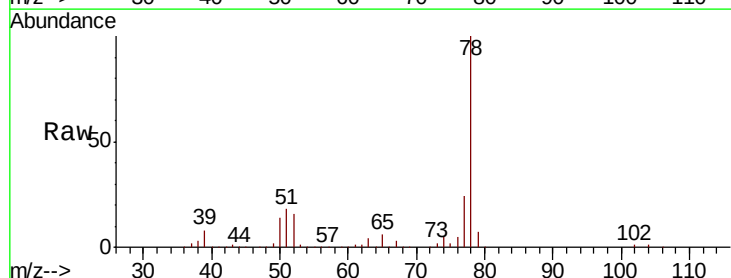


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

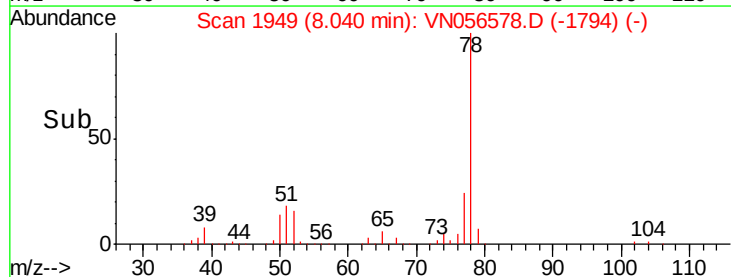
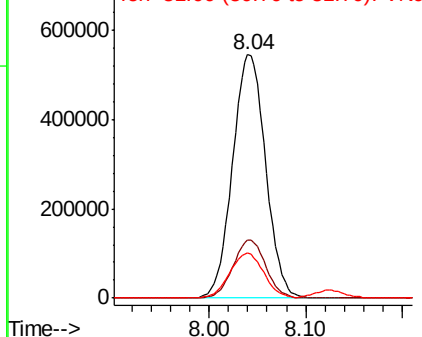


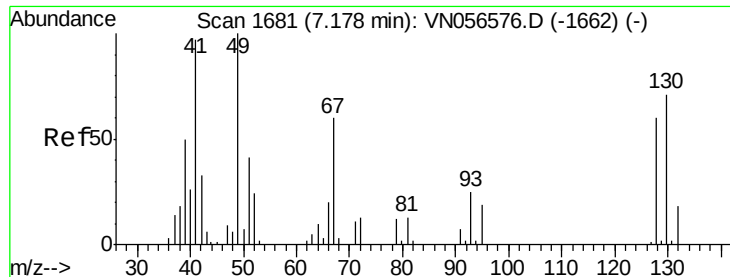
#34
Benzene
Concen: 104.086 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion: 78 Resp: 1293977
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9
51 18.4 19.8 29.8#



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

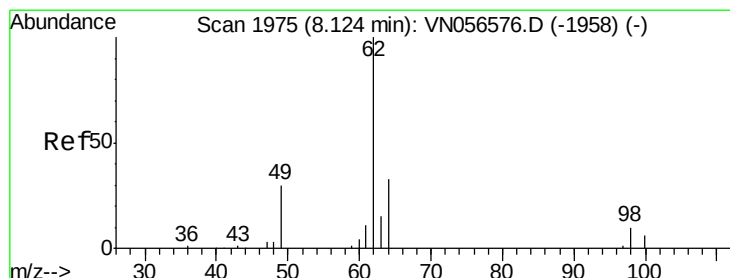
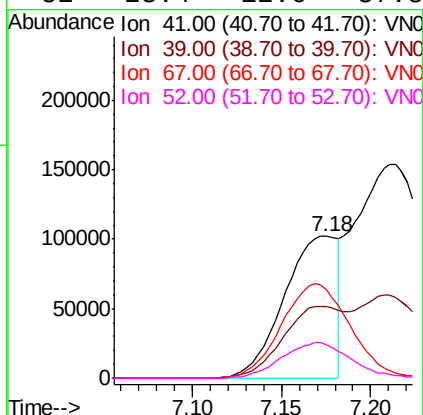
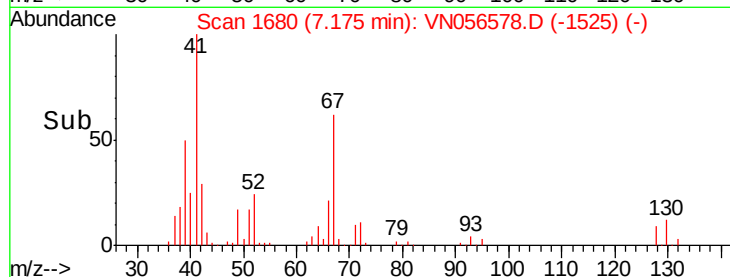
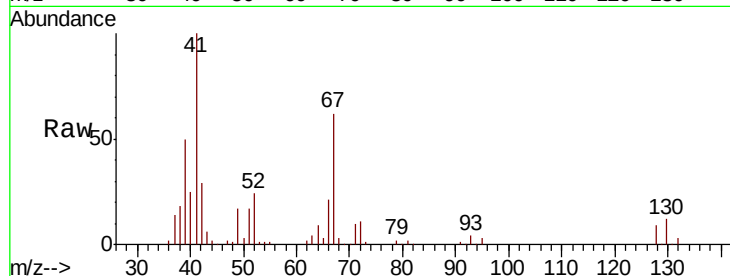




#35
Methacrylonitrile
Concen: 122.784 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

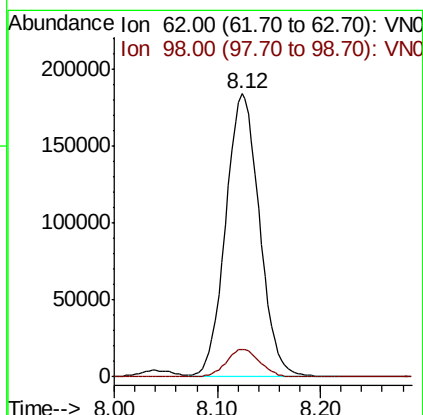
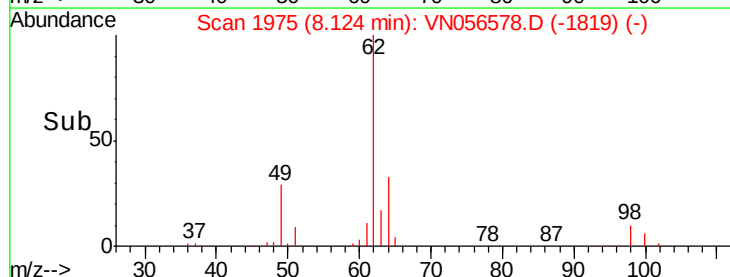
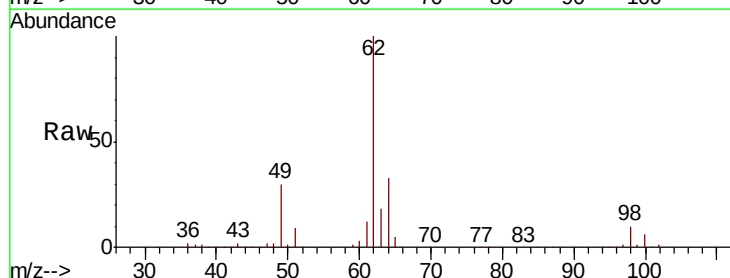
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

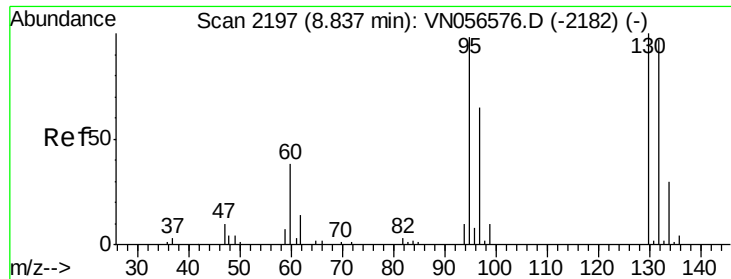
Tgt Ion: 41 Resp: 212971
Ion Ratio Lower Upper
41 100
39 50.5 24.8 74.3
67 62.4 34.3 102.9
52 23.4 12.6 37.8



#36
1,2-Dichloroethane
Concen: 107.519 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion: 62 Resp: 418679
Ion Ratio Lower Upper
62 100
98 9.7 8.6 13.0

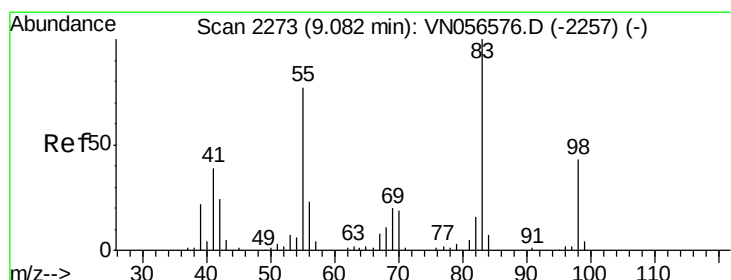
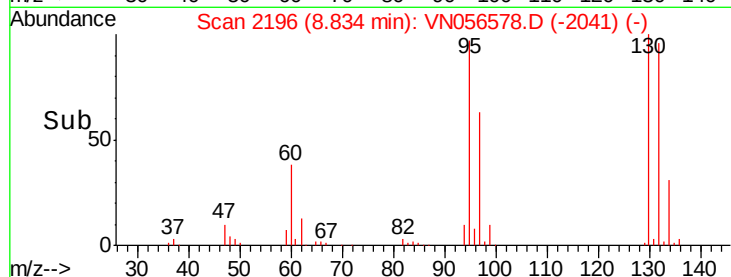
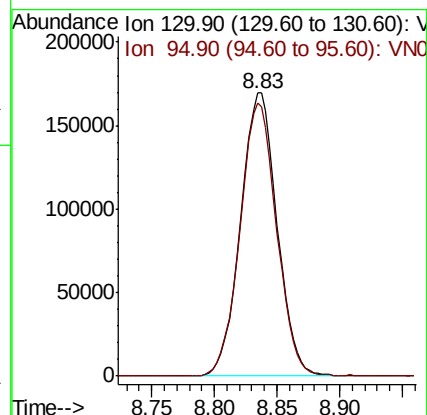
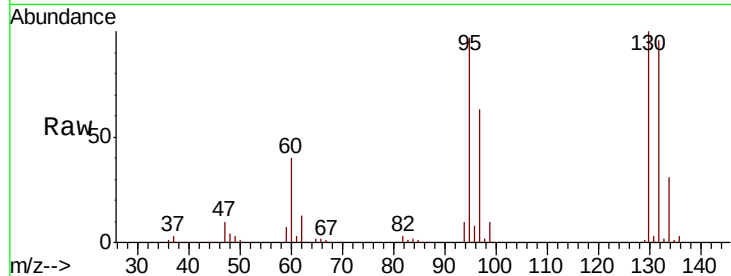




#37
 Trichloroethene
 Concen: 98.689 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

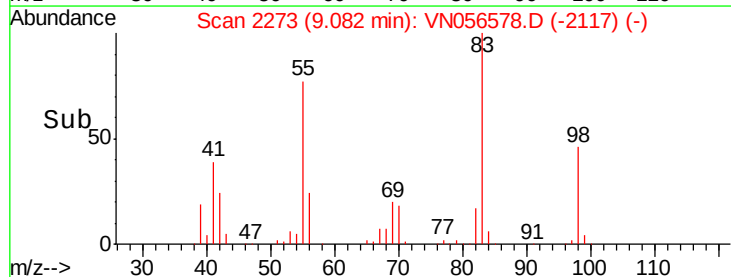
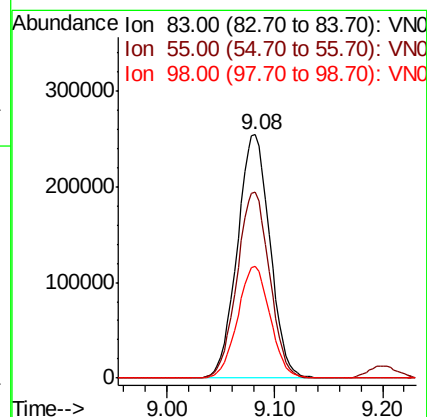
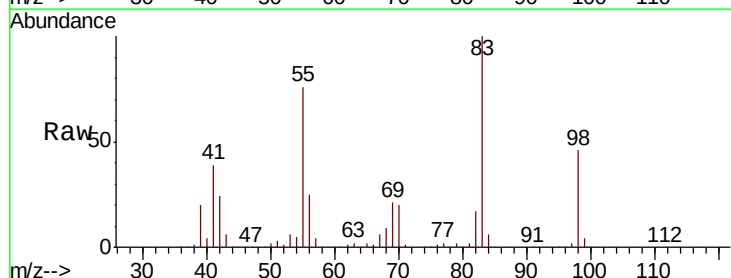
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

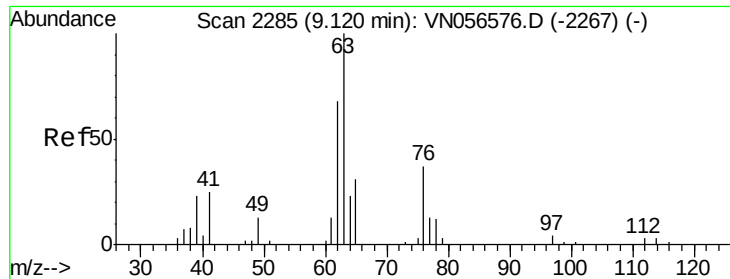
Tgt Ion: 130 Resp: 343313
 Ion Ratio Lower Upper
 130 100
 95 96.6 73.0 109.6



#38
 Methylcyclohexane
 Concen: 108.313 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion: 83 Resp: 535760
 Ion Ratio Lower Upper
 83 100
 55 76.4 37.5 112.7
 98 45.8 23.1 69.3





#39

1,2-Dichloropropane

Concen: 110.190 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

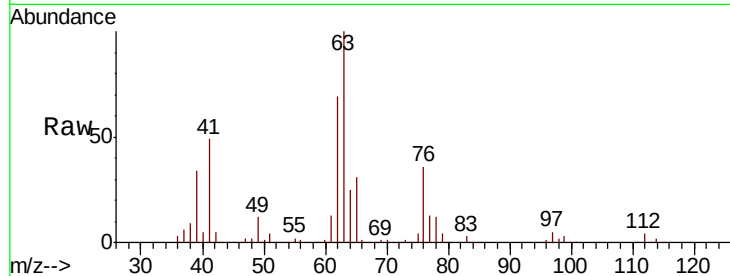
VSTDIC100

Tgt Ion: 63 Resp: 350838

Ion Ratio Lower Upper

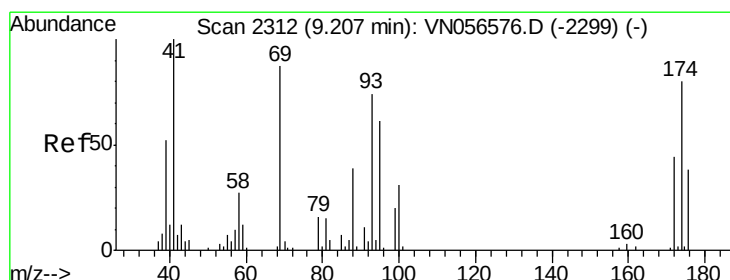
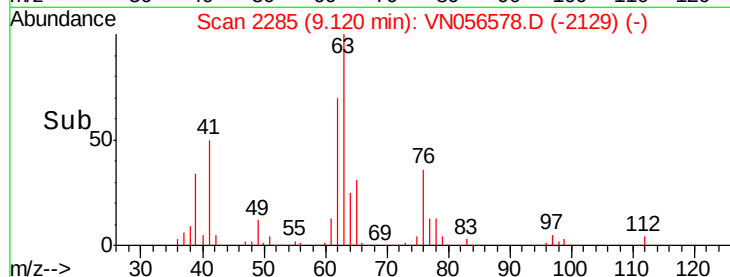
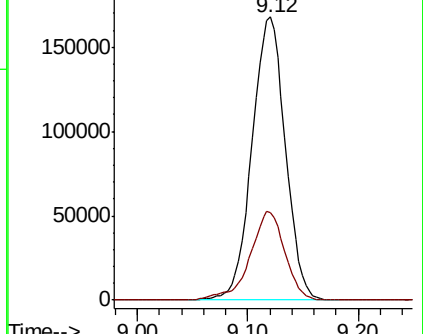
63 100

65 31.1 23.1 34.7



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 103.782 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

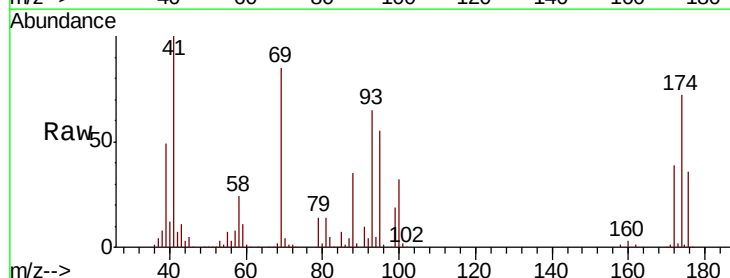
Tgt Ion: 93 Resp: 219093

Ion Ratio Lower Upper

93 100

95 83.6 0.0 169.0

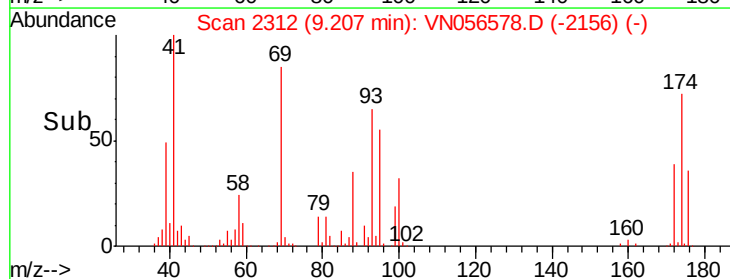
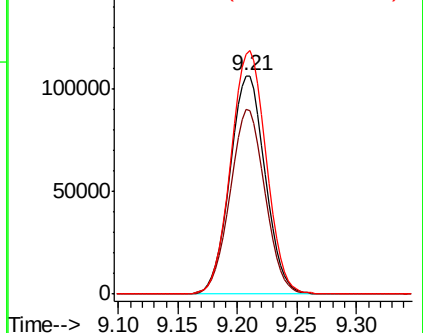
174 111.9 0.0 246.4

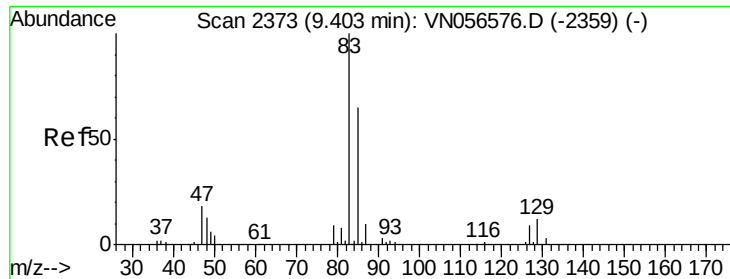


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V

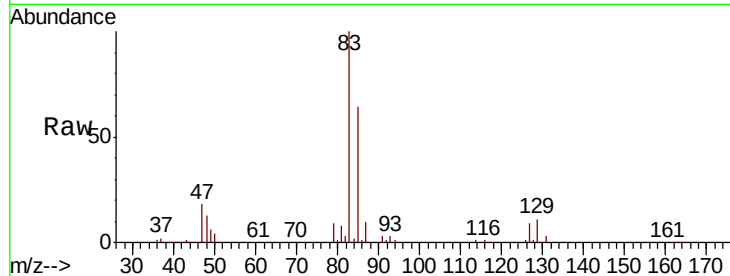




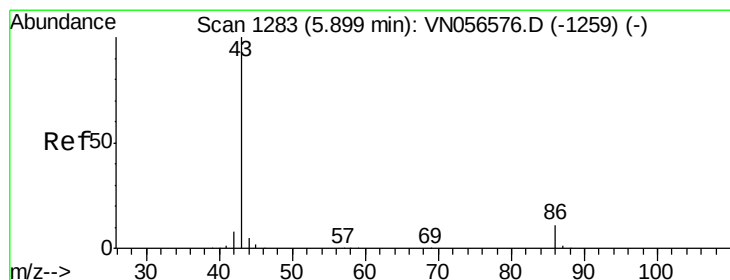
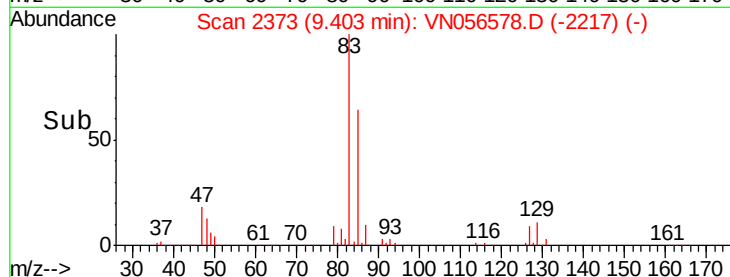
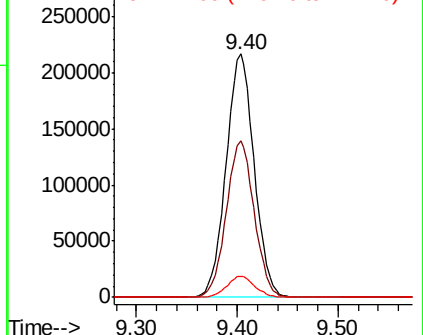
#41
 Bromodichloromethane
 Concen: 111.170 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 83 Resp: 420245
 Ion Ratio Lower Upper
 83 100
 85 64.1 51.8 77.6
 127 8.7 7.3 10.9

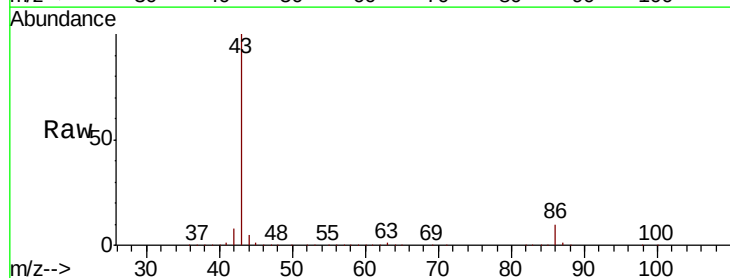


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0
 Ion 127.00 (126.70 to 127.70): VN0

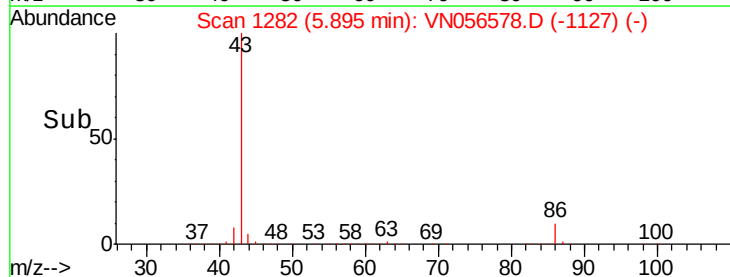
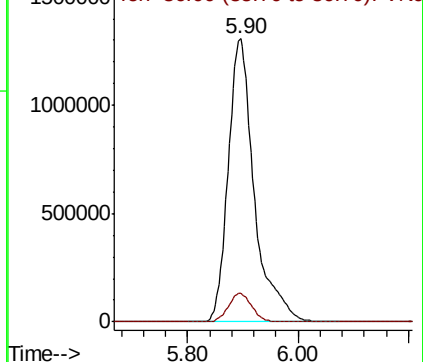


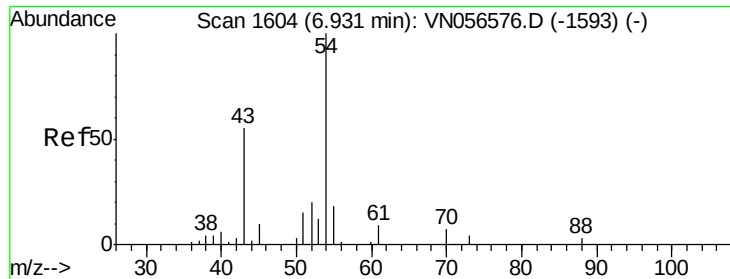
#42
 Vinyl Acetate
 Concen: 585.201 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion: 43 Resp: 4285441
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.9 11.9



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





#43

Ethyl Acetate

Concen: 114.538 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

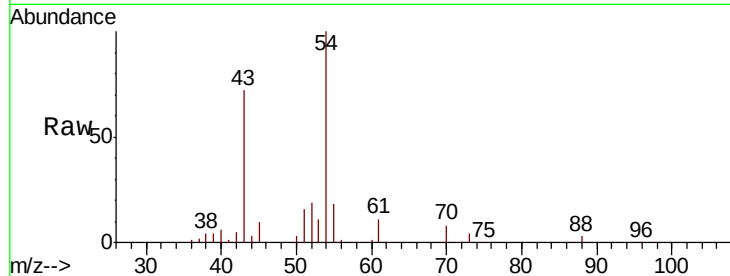
VSTDIC100

Tgt Ion: 43 Resp: 450265

Ion Ratio Lower Upper

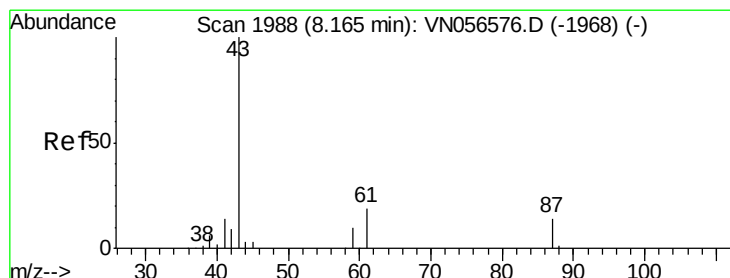
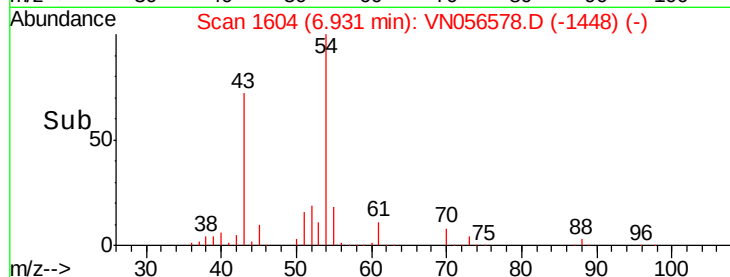
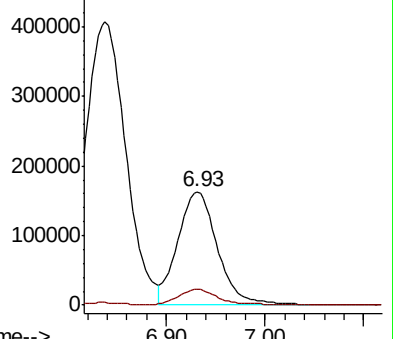
43 100

45 15.0 12.3 18.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 117.567 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056578.D

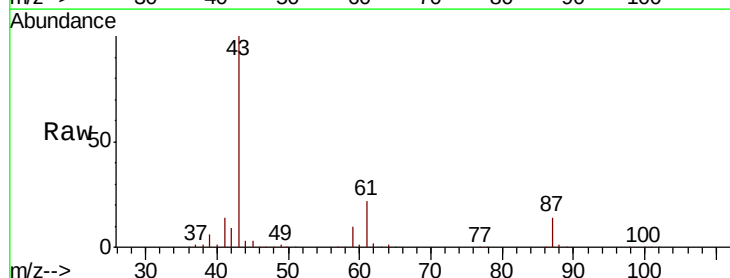
Acq: 3 Jul 2019 10:19

Tgt Ion: 43 Resp: 717597

Ion Ratio Lower Upper

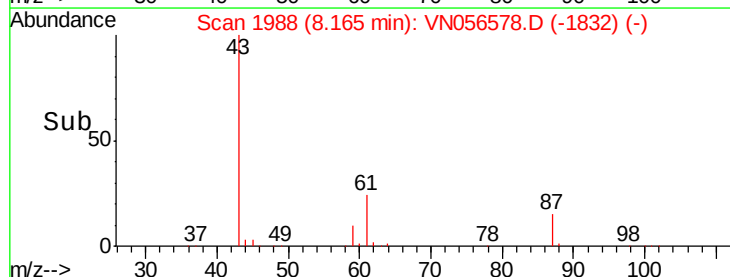
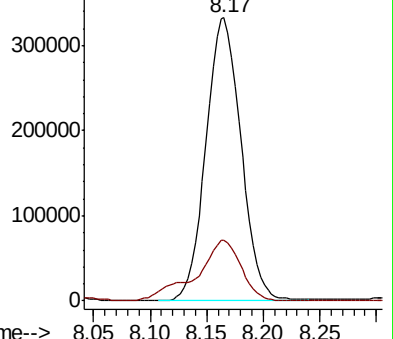
43 100

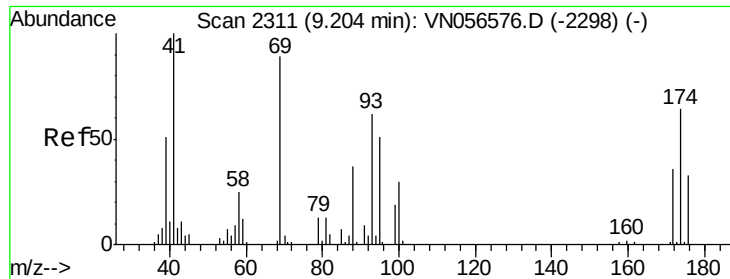
61 27.7 16.9 25.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

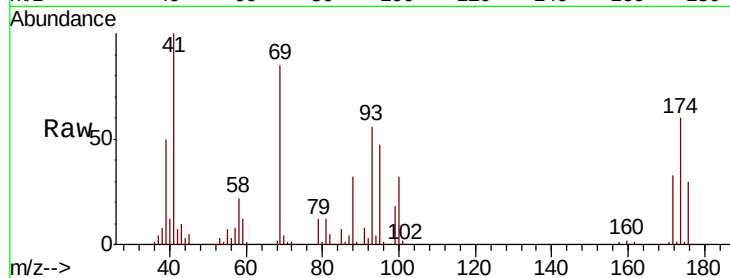




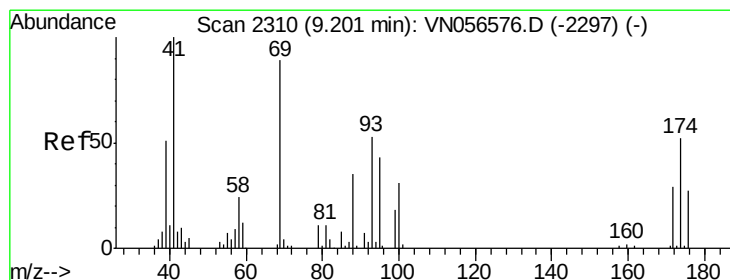
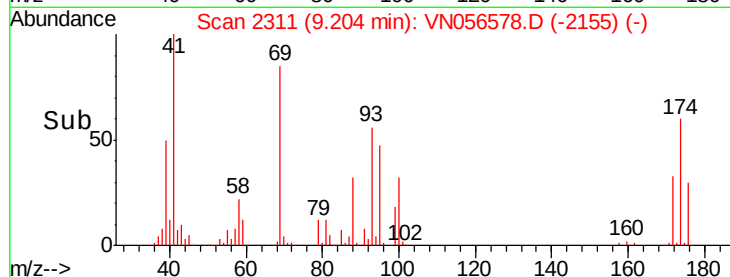
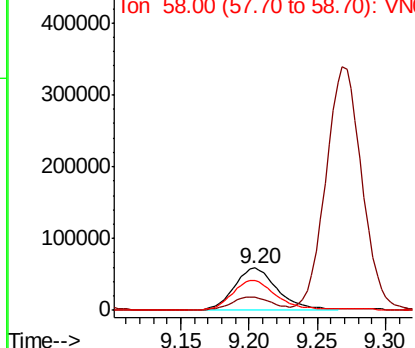
#45
 1,4-Dioxane
 Concen: 2011.753 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 88 Resp: 131355
 Ion Ratio Lower Upper
 88 100
 43 28.6 19.8 29.6
 58 70.6 48.5 72.7

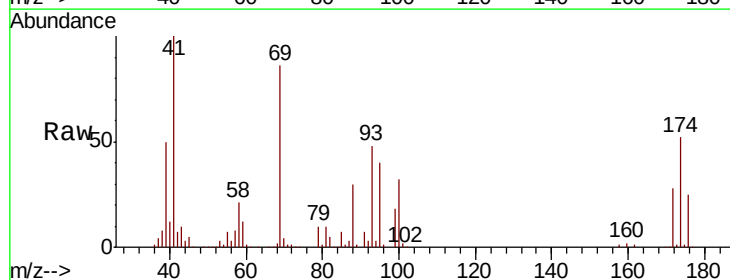


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

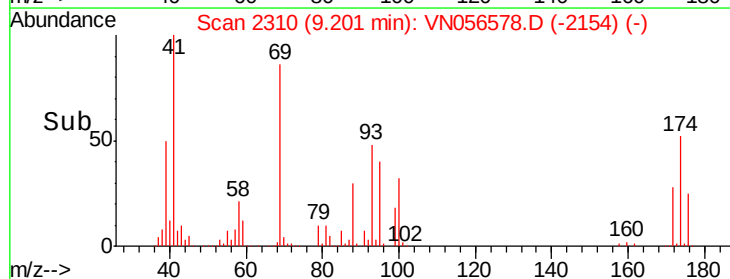
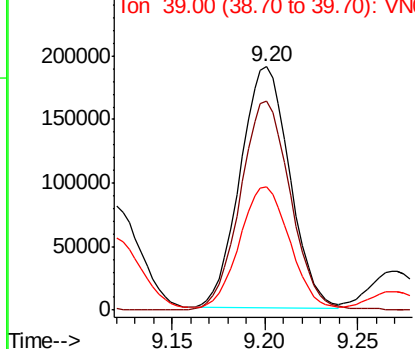


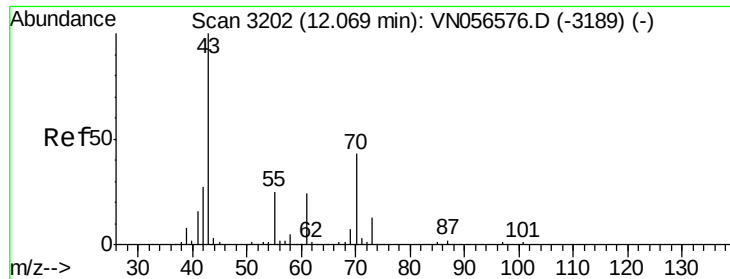
#46
 Methyl methacrylate
 Concen: 115.900 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion: 41 Resp: 351436
 Ion Ratio Lower Upper
 41 100
 69 86.7 46.0 137.8
 39 49.9 24.6 73.8



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





#47

n-amyl Acetate

Concen: 123.841 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

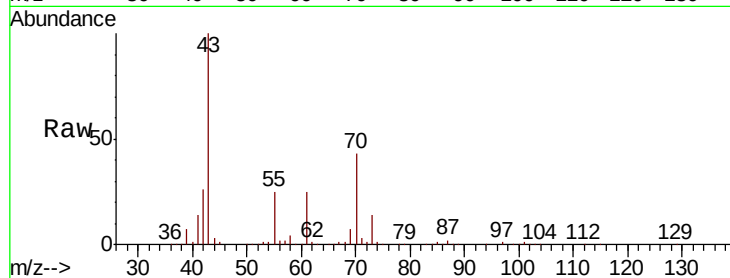
VSTDIC100

Tgt Ion: 43 Resp: 625115

Ion Ratio Lower Upper

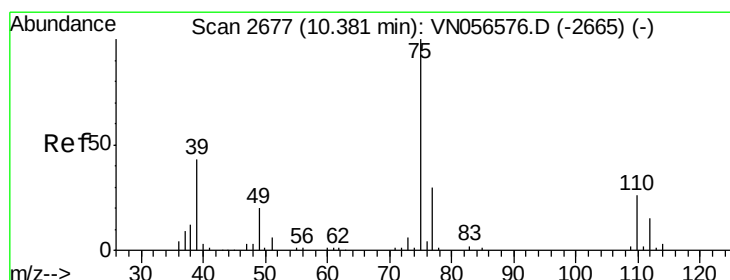
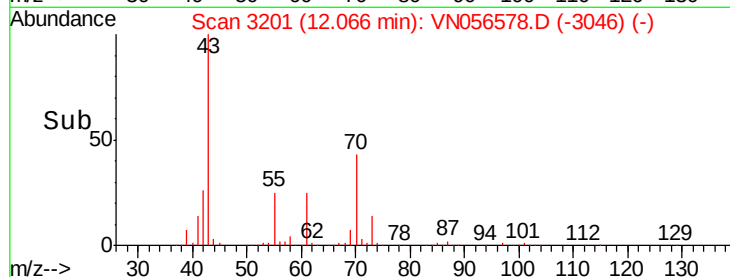
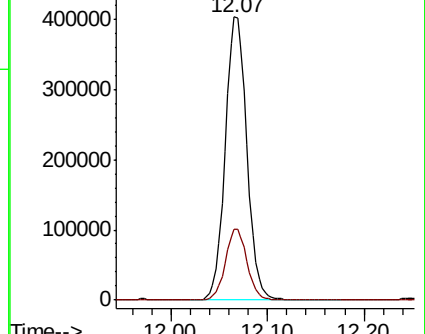
43 100

55 25.1 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 117.740 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056578.D

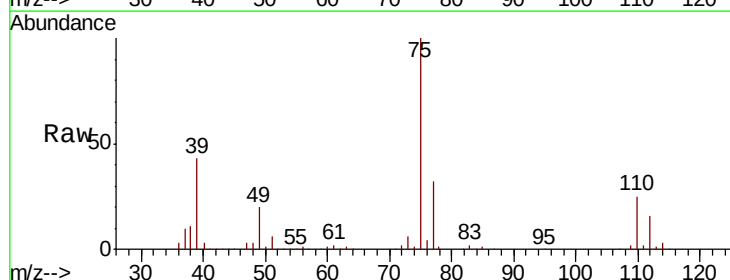
Acq: 3 Jul 2019 10:19

Tgt Ion: 75 Resp: 468399

Ion Ratio Lower Upper

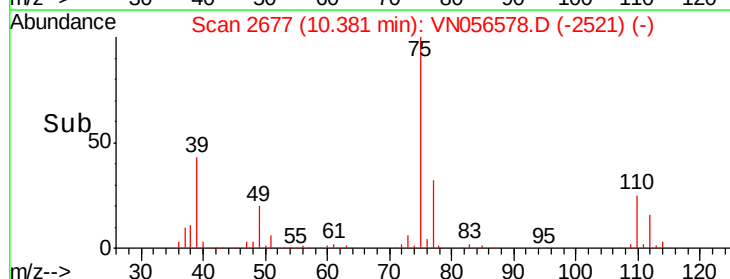
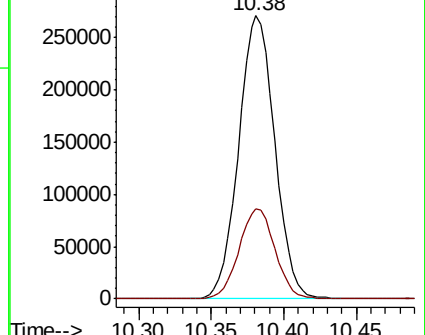
75 100

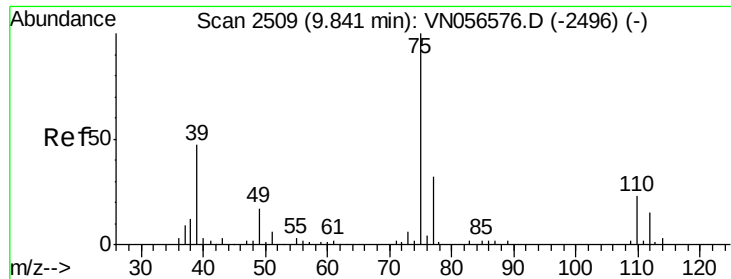
77 31.7 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



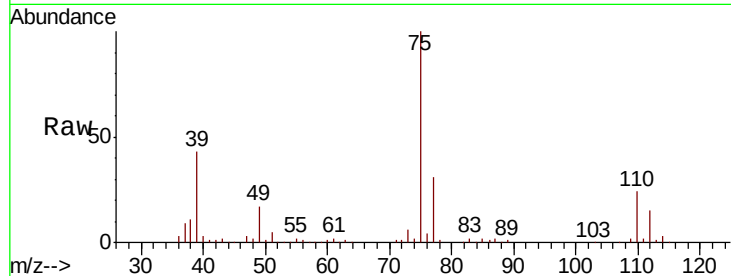


#49

cis-1,3-Dichloropropene
 Concen: 113.900 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	43.4	34.3	51.5

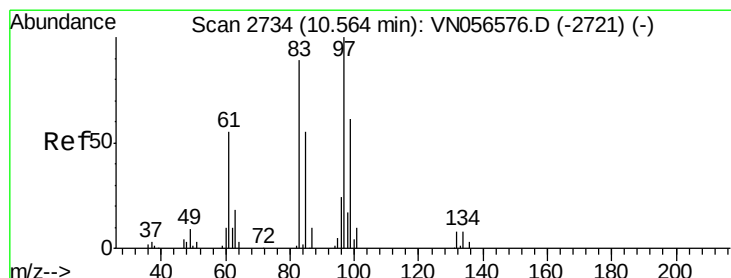
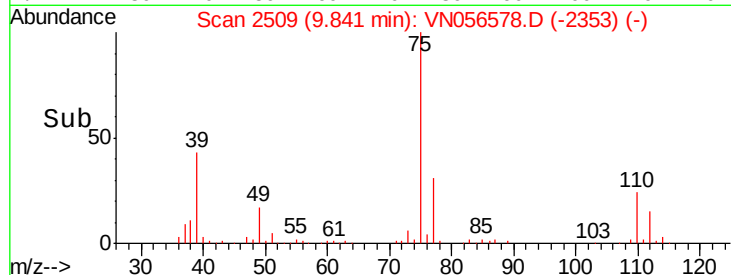
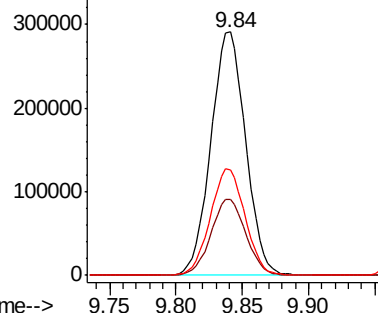


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane
 Concen: 102.316 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.5	66.9	100.3
85	55.8	43.3	64.9
99	62.6	48.6	73.0

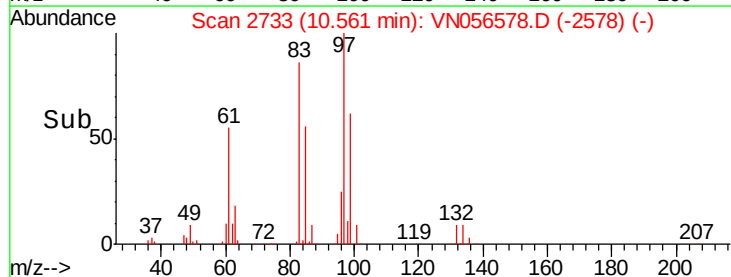
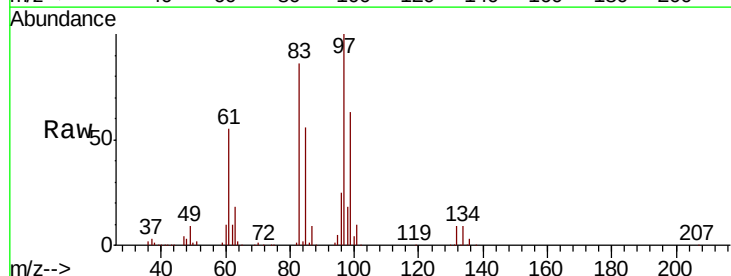
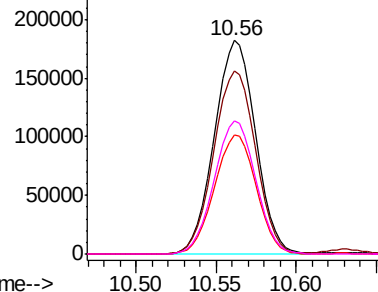
Abundance

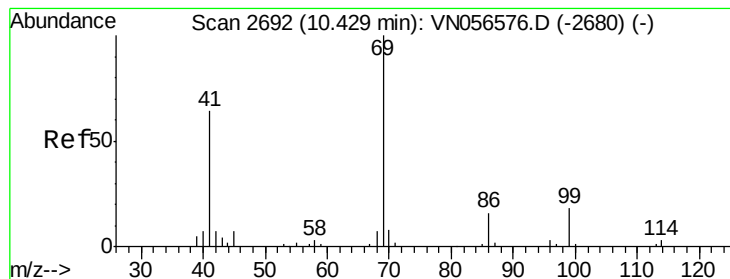
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 110.339 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

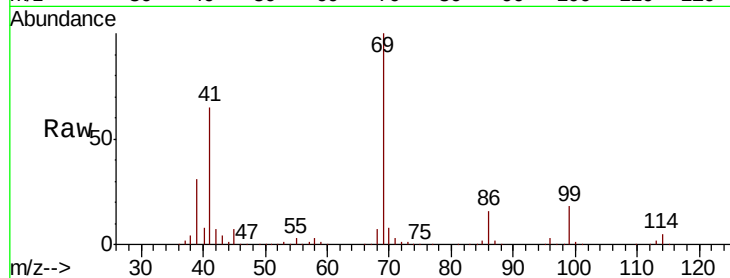
Tgt Ion: 69 Resp: 523427

Ion Ratio Lower Upper

69 100

41 64.6 30.8 92.3

39 30.7 14.5 43.6



Abundance Ion 69.00 (68.70 to 69.70): VN056578.D (-2680) (-)

Ion 41.00 (40.70 to 41.70): VN056578.D (-2680) (-)

Ion 39.00 (38.70 to 39.70): VN056578.D (-2680) (-)

10.43

300000

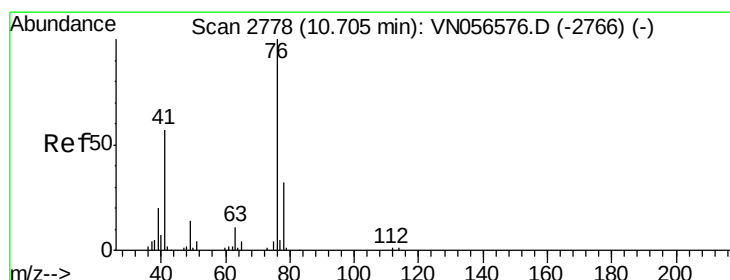
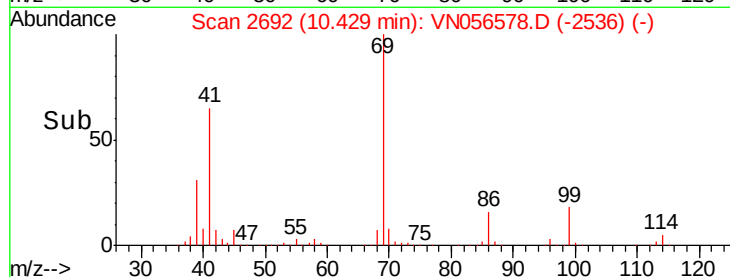
200000

100000

0

10.40 10.50

Time-->



#52

1,3-Dichloropropane

Concen: 107.138 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056578.D

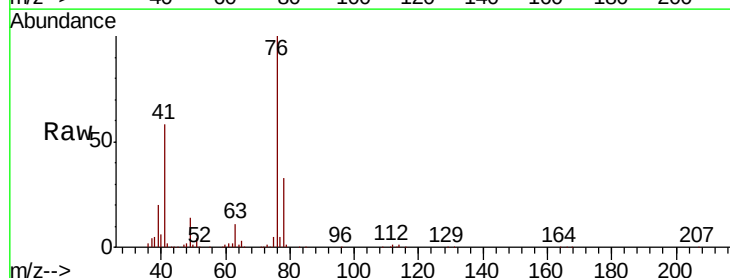
Acq: 3 Jul 2019 10:19

Tgt Ion: 76 Resp: 544630

Ion Ratio Lower Upper

76 100

78 32.3 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN056578.D (-2766) (-)

Ion 78.00 (77.70 to 78.70): VN056578.D (-2766) (-)

10.71

300000

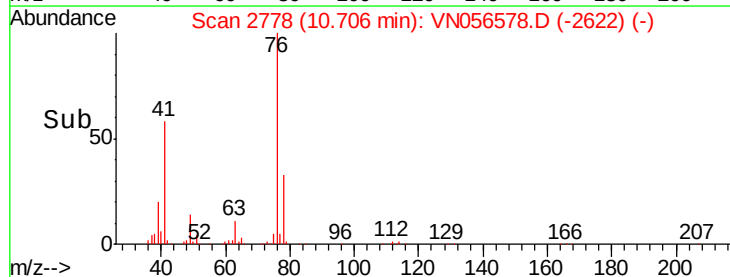
200000

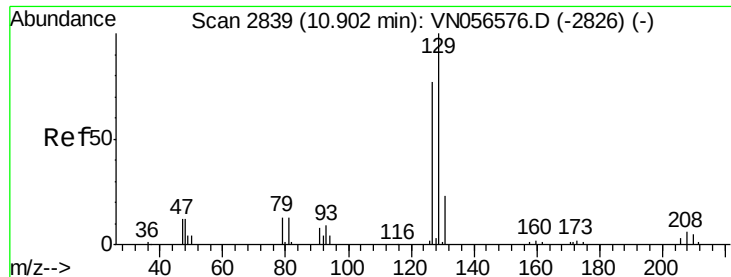
100000

0

10.60 10.80

Time-->





#53

Dibromochloromethane

Concen: 109.448 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

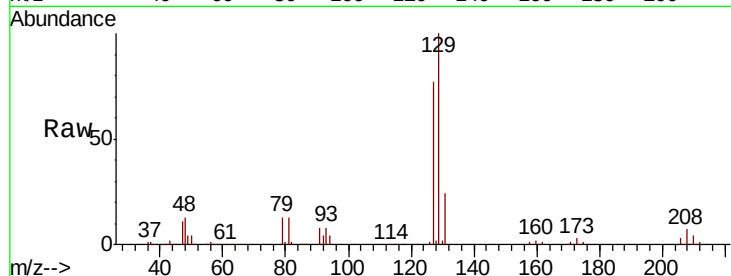
VSTDIC100

Tgt Ion:129 Resp: 335945

Ion Ratio Lower Upper

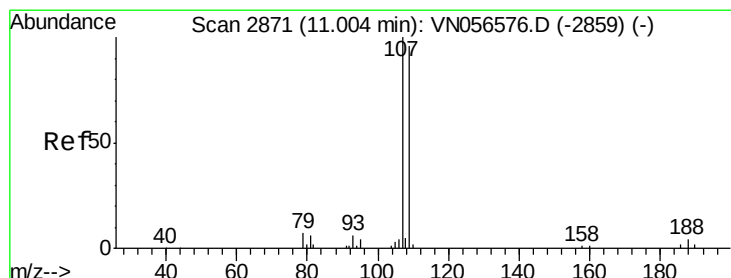
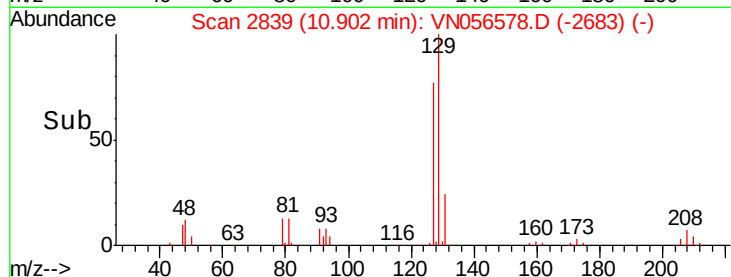
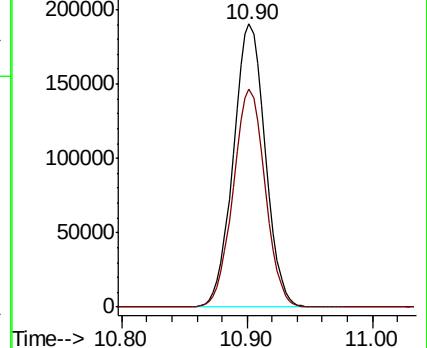
129 100

127 77.2 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 104.165 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056578.D

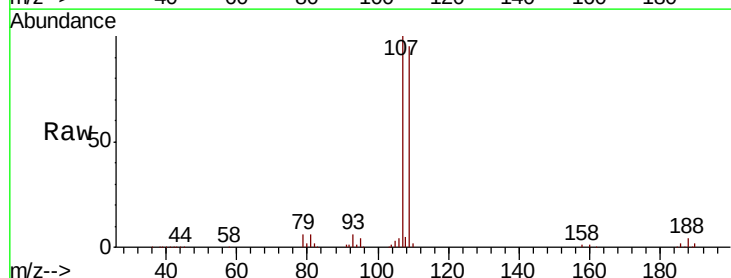
Acq: 3 Jul 2019 10:19

Tgt Ion:107 Resp: 340832

Ion Ratio Lower Upper

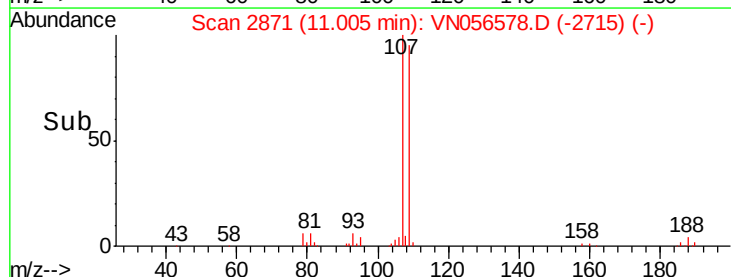
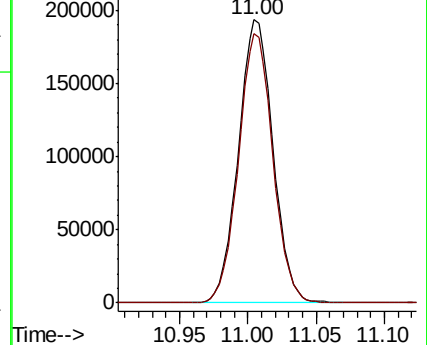
107 100

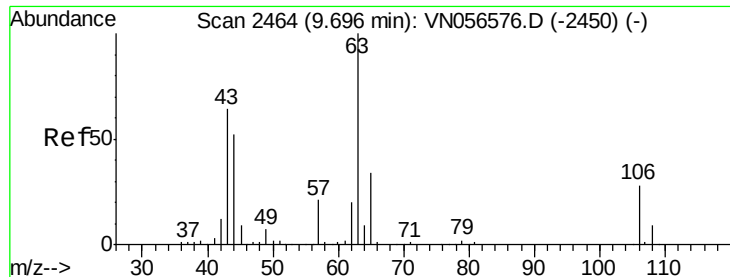
109 94.3 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



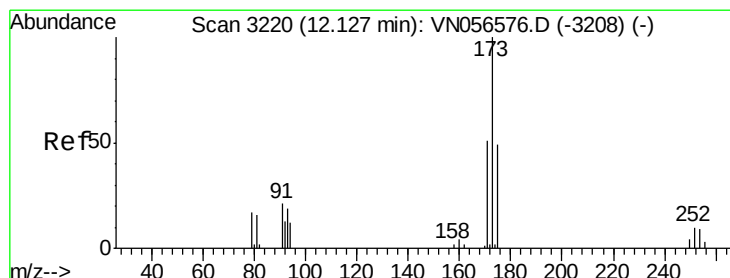
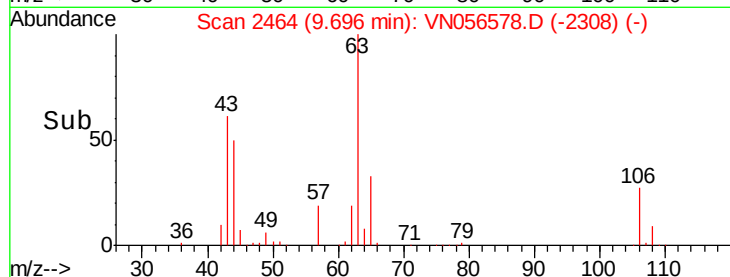
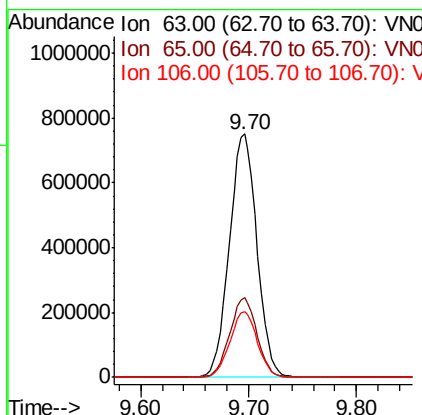
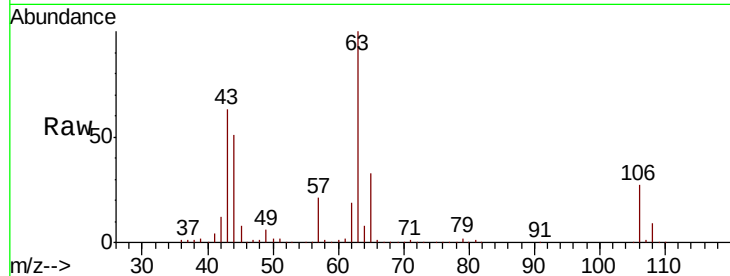


#55
 2-Chloroethyl vinyl ether
 Concen: 804.841 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 1337330

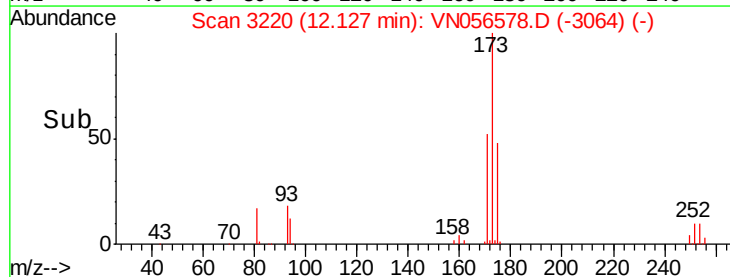
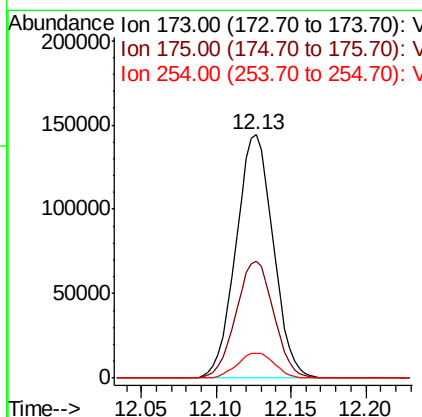
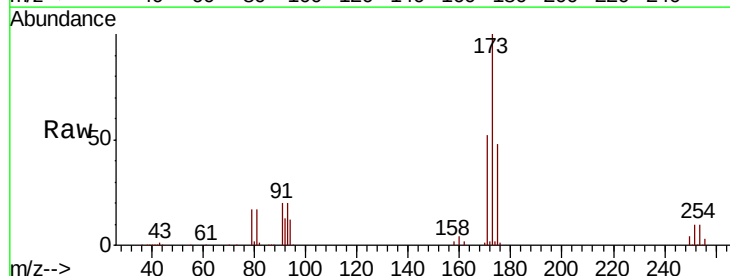
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3
106	26.9	23.0	34.4

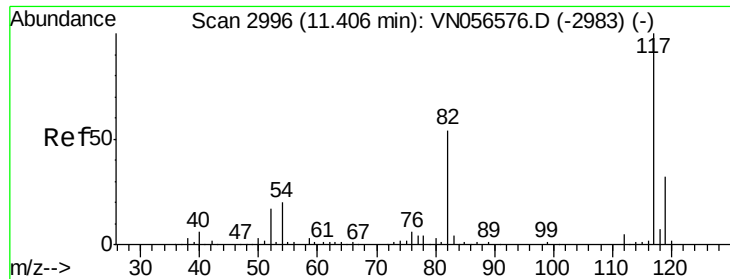


#56
 Bromoform
 Concen: 112.537 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion: 173 Resp: 249893

Ion	Ratio	Lower	Upper
173	100		
175	48.7	38.7	58.1
254	10.4	6.6	9.8

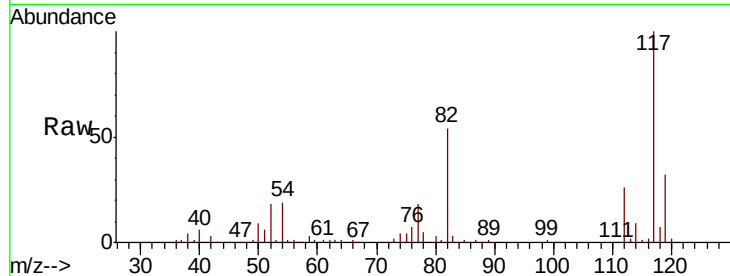




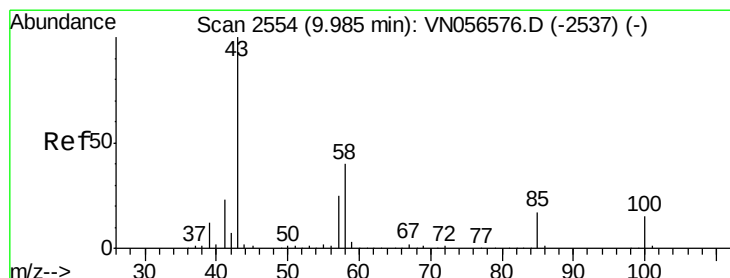
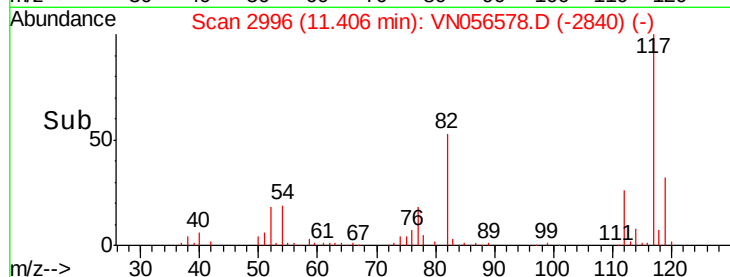
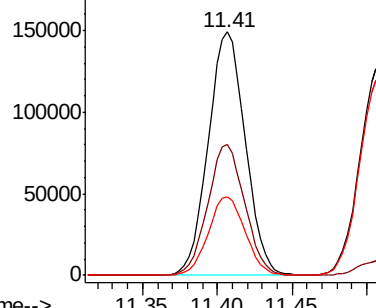
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tgt Ion: 117 Resp: 257524
Ion Ratio Lower Upper
117 100
82 53.6 41.2 61.8
119 32.2 26.2 39.2

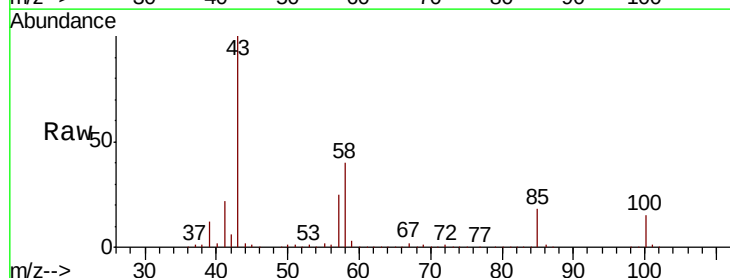


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

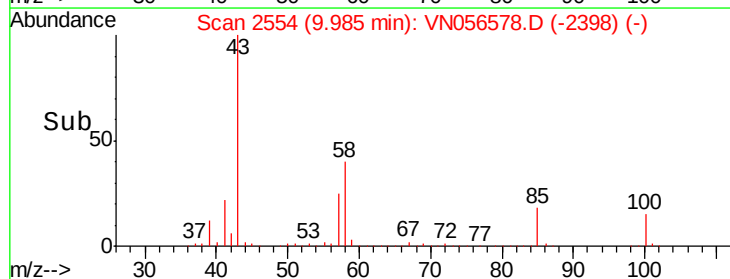
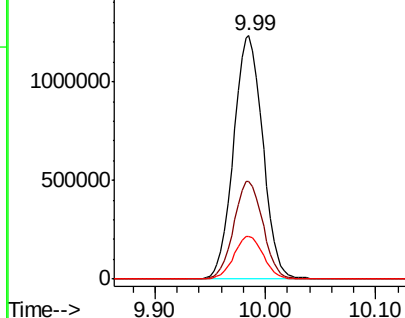


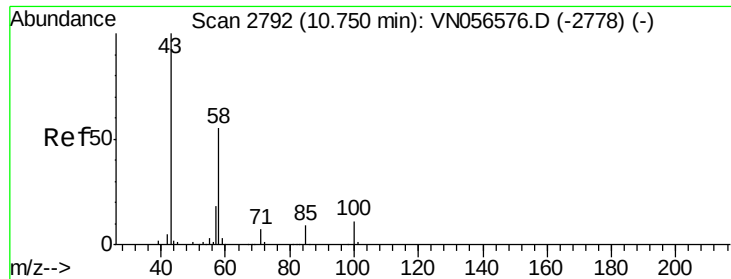
#58
4-Methyl-2-Pentanone
Concen: 579.978 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion: 43 Resp: 2261658
Ion Ratio Lower Upper
43 100
58 40.0 33.1 49.7
85 17.7 15.5 23.3



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

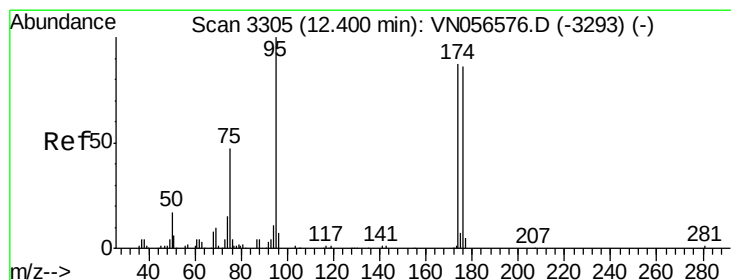
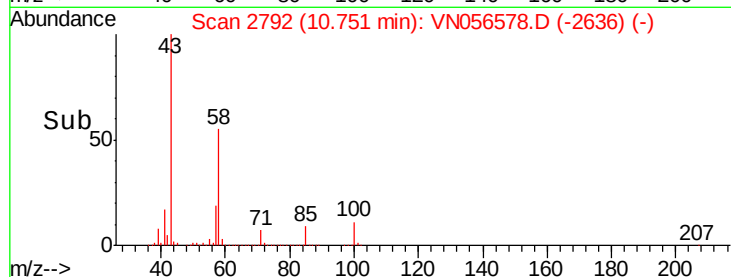
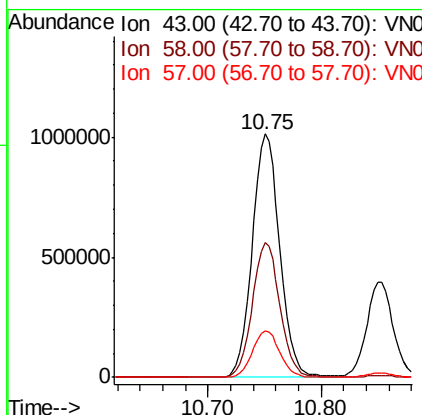
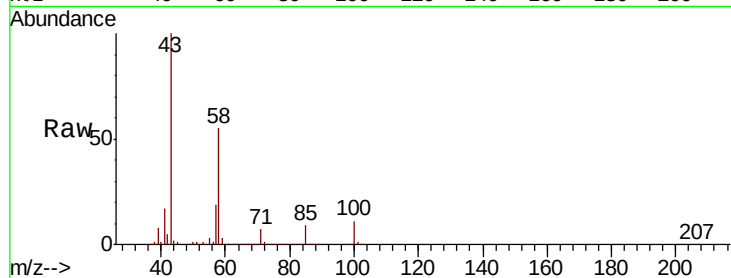




#59
2-Hexanone
Concen: 611.762 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

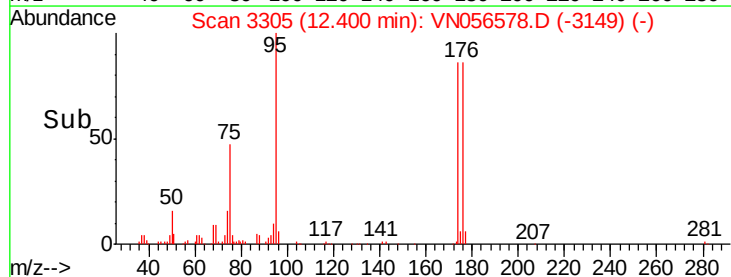
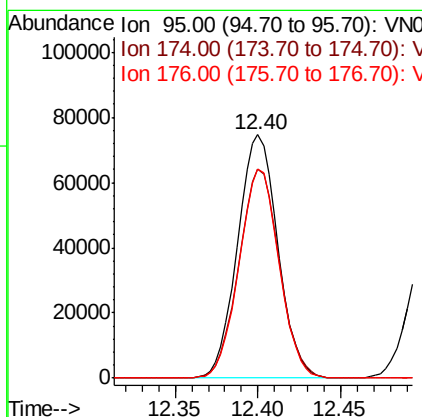
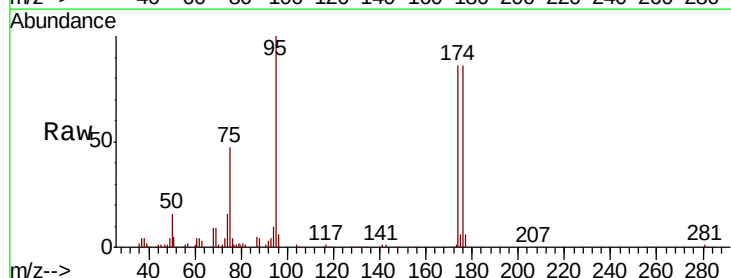
Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

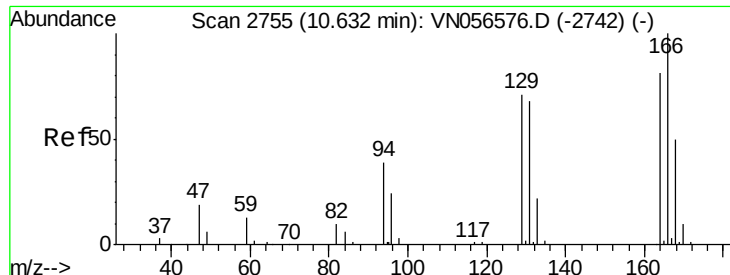
Tgt Ion: 43 Resp: 1705100
Ion Ratio Lower Upper
43 100
58 55.5 45.3 67.9
57 19.1 15.6 23.4



#60
4-Bromofluorobenzene
Concen: 32.964 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion: 95 Resp: 125824
Ion Ratio Lower Upper
95 100
174 86.5 75.4 113.0
176 85.3 73.9 110.9





#61

Tetrachloroethene

Concen: 86.379 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:164 Resp: 310027

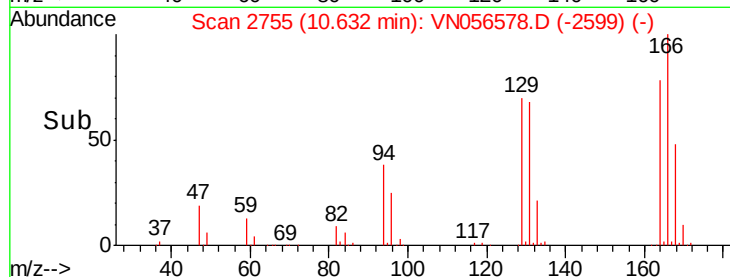
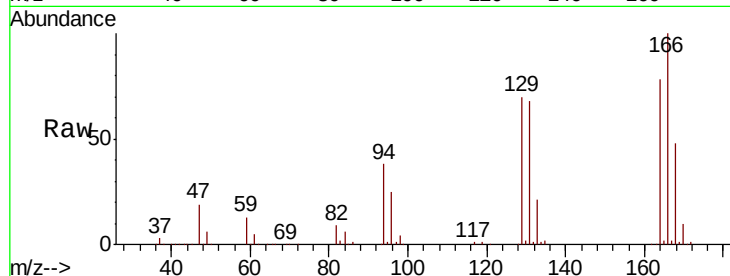
Ion Ratio Lower Upper

164 100

166 128.5 104.3 156.5

129 89.8 71.5 107.3

131 86.8 67.7 101.5

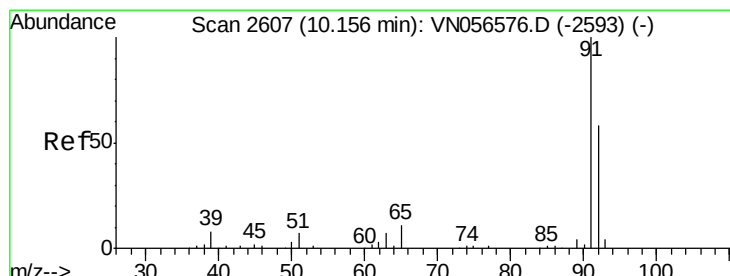
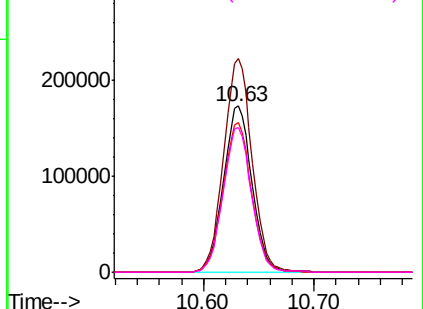


Abundance Ion 163.85 (163.55 to 164.55): V

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: 100.075 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056578.D

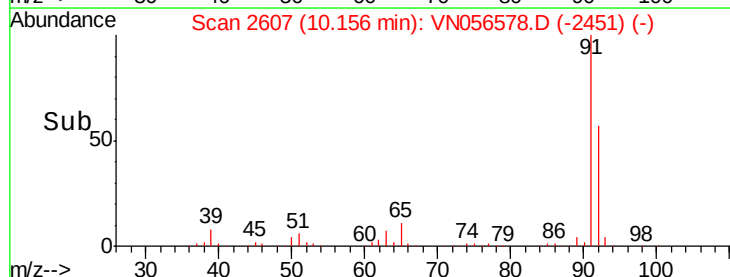
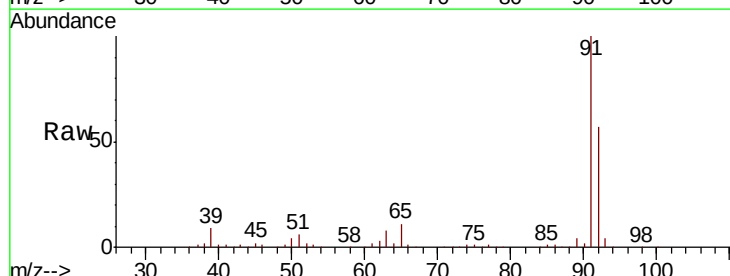
Acq: 3 Jul 2019 10:19

Tgt Ion: 91 Resp: 1391259

Ion Ratio Lower Upper

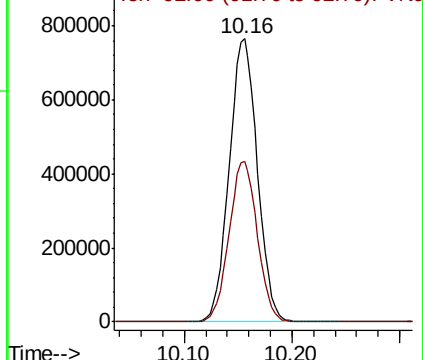
91 100

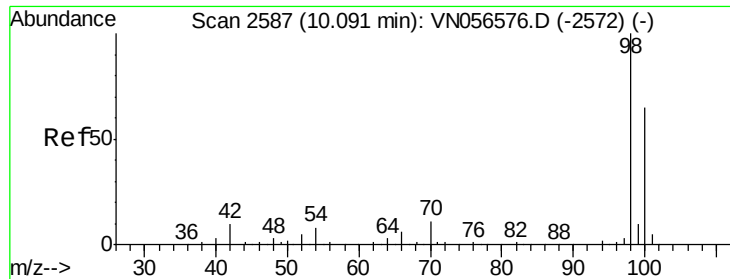
92 57.0 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.218 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

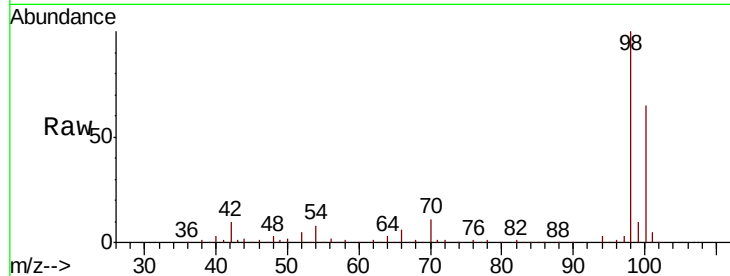
VSTDIC100

Tgt Ion: 98 Resp: 353010

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VN056578.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN056578.D (-2572) (-)

10.09

200000

150000

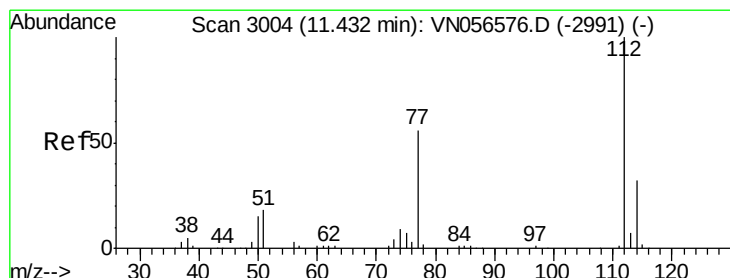
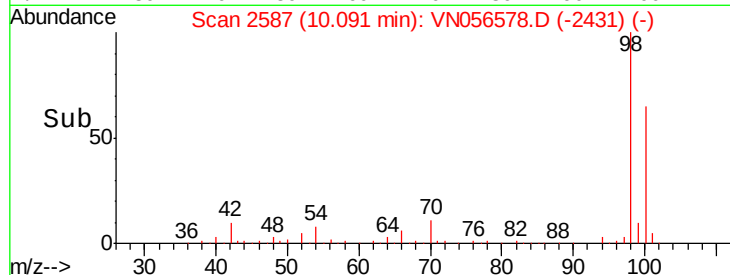
100000

50000

0

Time-->

10.00 10.10 10.20



#64

Chlorobenzene

Concen: 101.100 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN056578.D

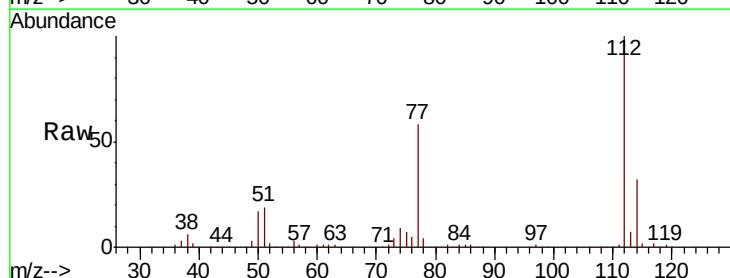
Acq: 3 Jul 2019 10:19

Tgt Ion: 112 Resp: 852533

Ion Ratio Lower Upper

112 100

114 31.8 26.1 39.1



Abundance Ion 112.00 (111.70 to 112.70): VN056578.D (-2848) (-)

Ion 114.00 (113.70 to 114.70): VN056578.D (-2848) (-)

11.43

600000

500000

400000

300000

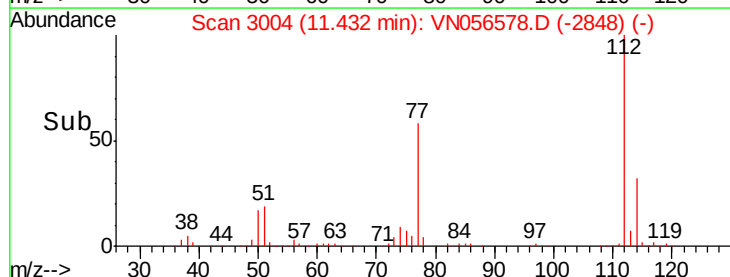
200000

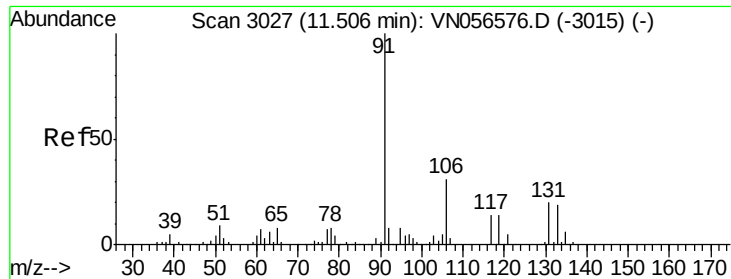
100000

0

Time-->

11.40 11.50

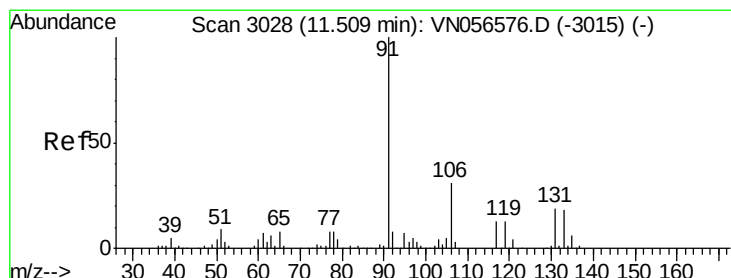
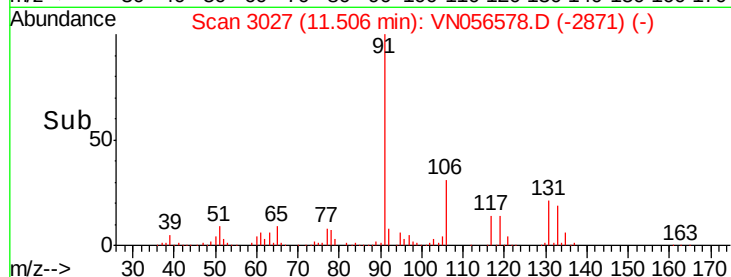
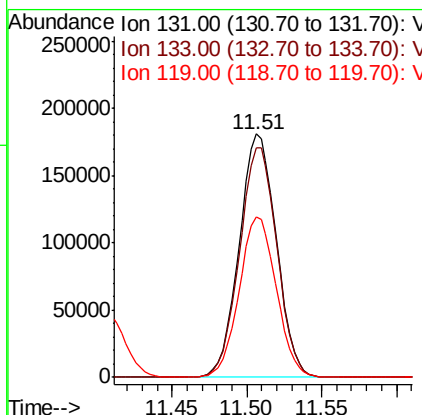
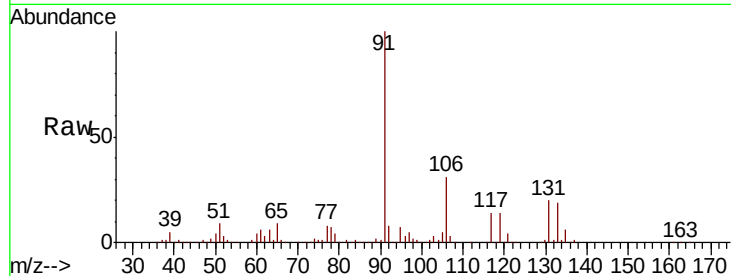




#65
 1,1,1,2-Tetrachloroethane
 Concen: 102.849 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

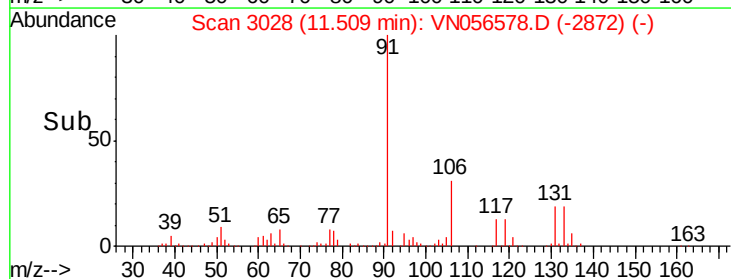
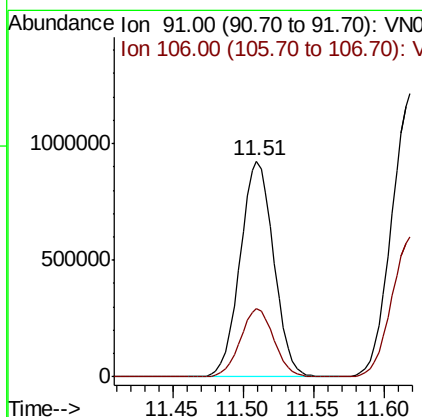
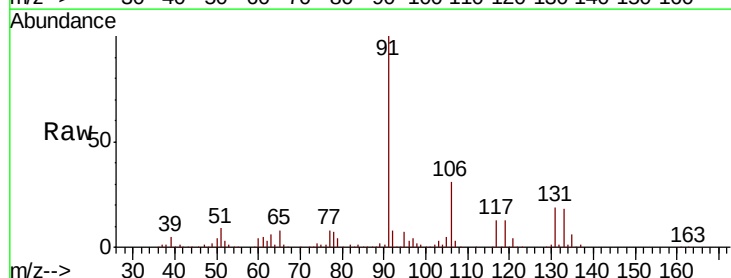
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

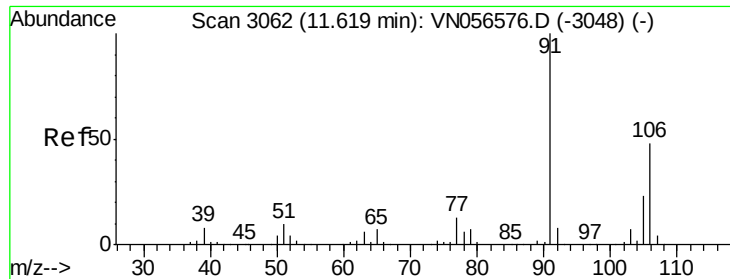
Tgt Ion:131 Resp: 312734
 Ion Ratio Lower Upper
 131 100
 133 95.3 0.0 193.8
 119 66.0 0.0 134.4



#66
 Ethyl Benzene
 Concen: 104.132 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion: 91 Resp: 1541892
 Ion Ratio Lower Upper
 91 100
 106 31.5 25.7 38.5





#67

m/p-Xylenes

Concen: 204.134 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampled :

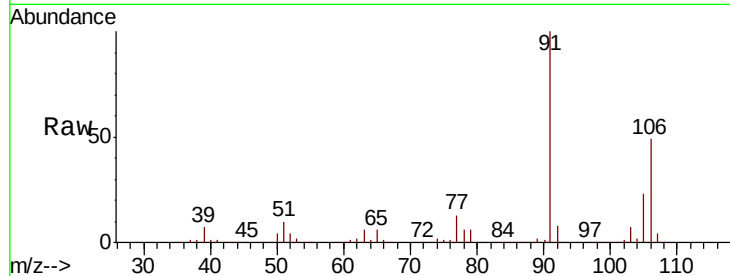
VSTDIC100

Tgt Ion:106 Resp: 1156951

Ion Ratio Lower Upper

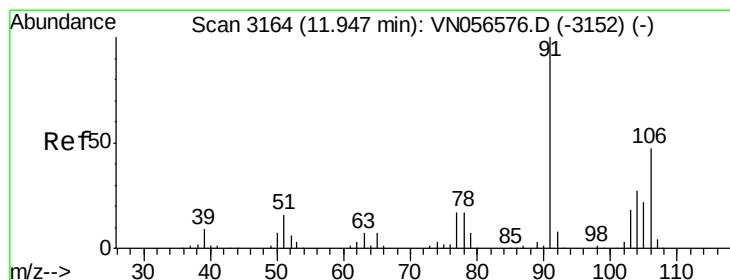
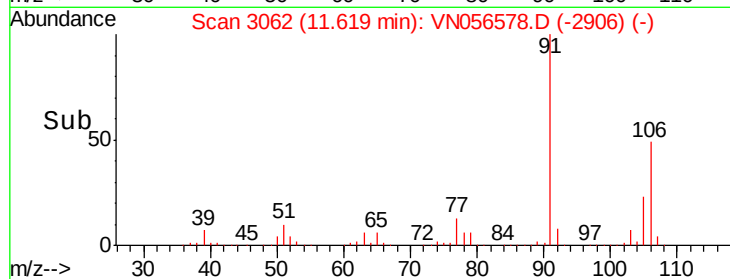
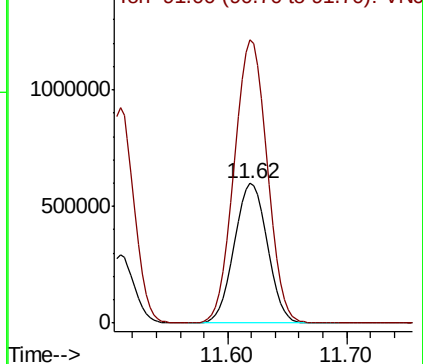
106 100

91 201.6 155.7 233.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 100.928 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN056578.D

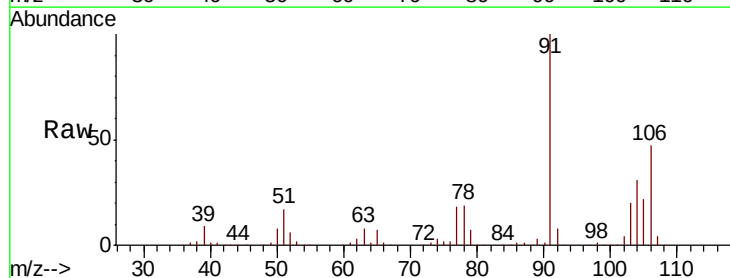
Acq: 3 Jul 2019 10:19

Tgt Ion:106 Resp: 560009

Ion Ratio Lower Upper

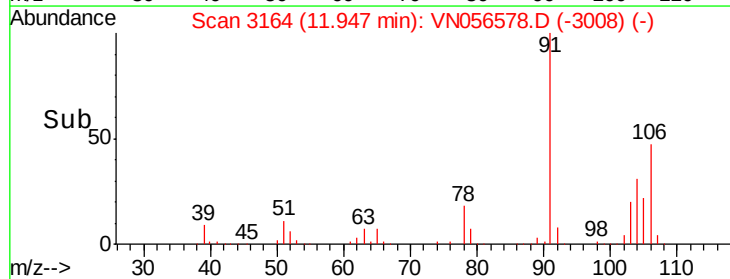
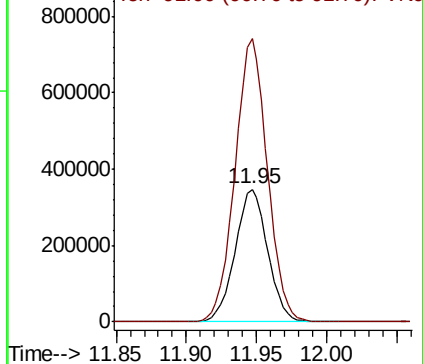
106 100

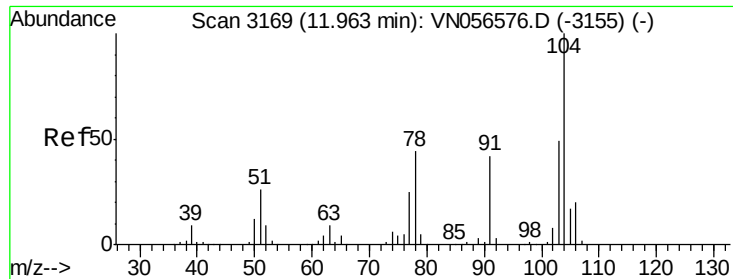
91 212.7 103.9 311.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

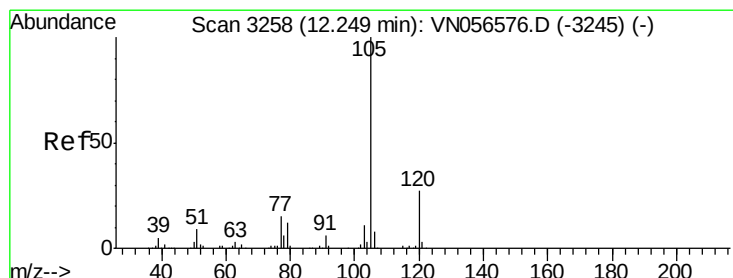
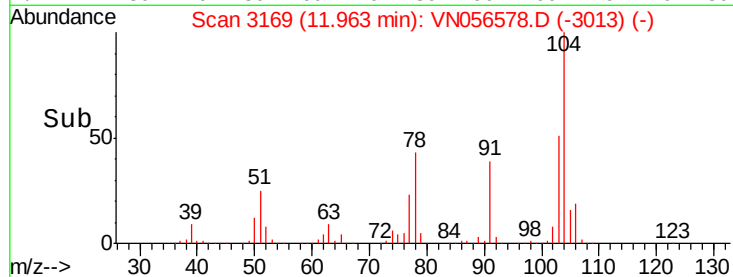
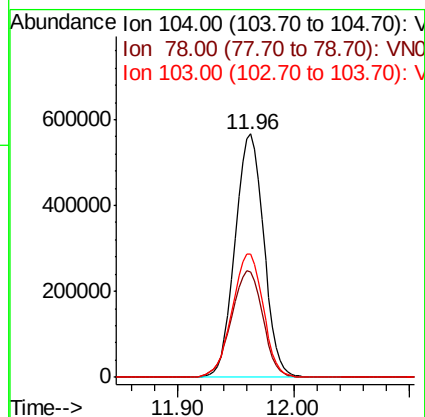
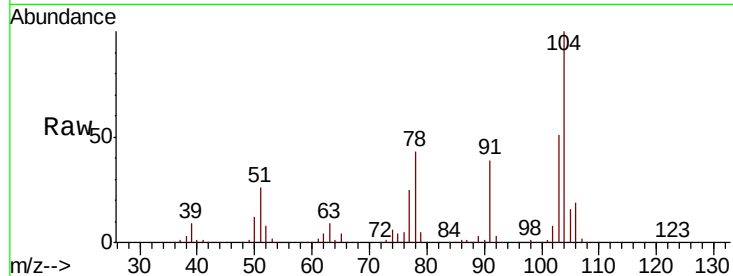




#69
Styrene
 Concen: 107.368 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

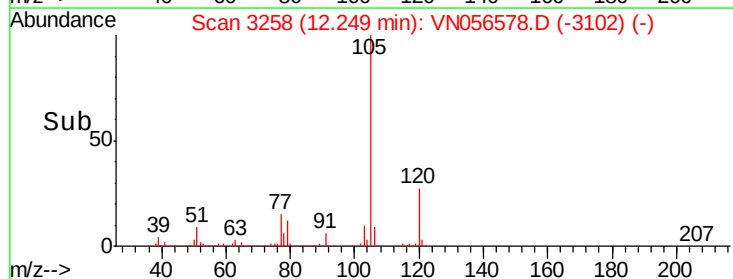
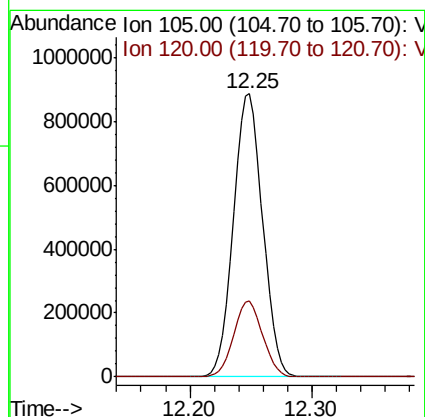
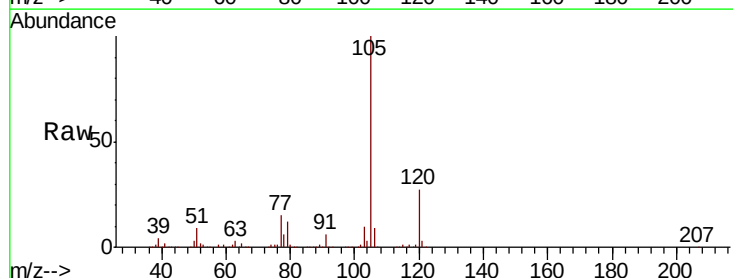
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

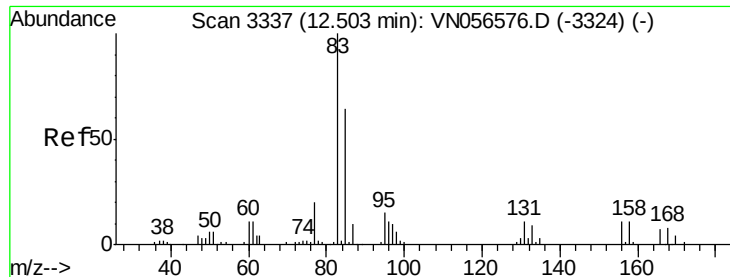
Tgt Ion:104 Resp: 967906
 Ion Ratio Lower Upper
 104 100
 78 48.1 37.0 55.6
 103 54.8 44.4 66.6



#70
Isopropylbenzene
 Concen: 101.953 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion:105 Resp: 1478014
 Ion Ratio Lower Upper
 105 100
 120 26.5 19.3 35.8

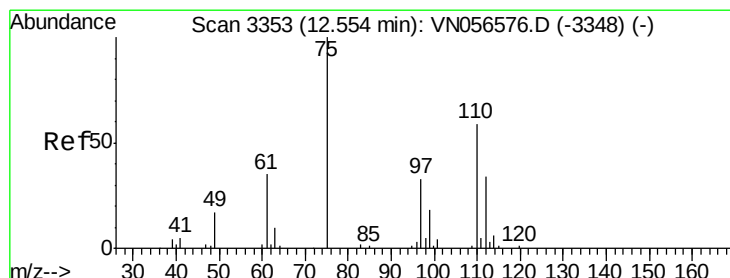
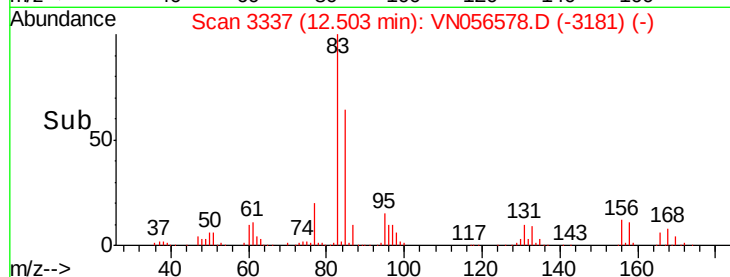
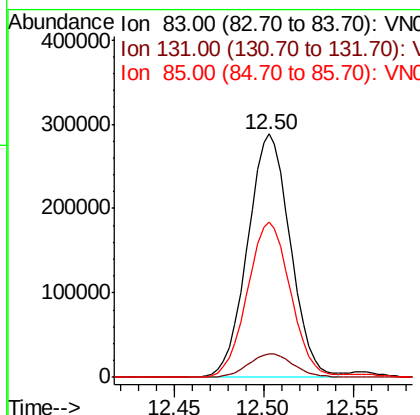
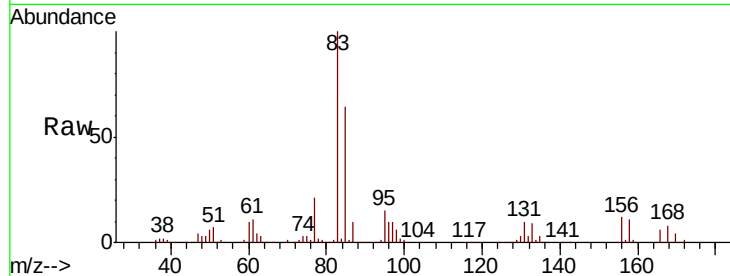




#71
 1,1,2,2-Tetrachloroethane
 Concen: 110.421 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

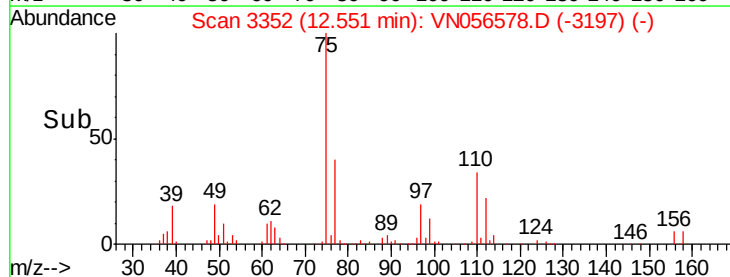
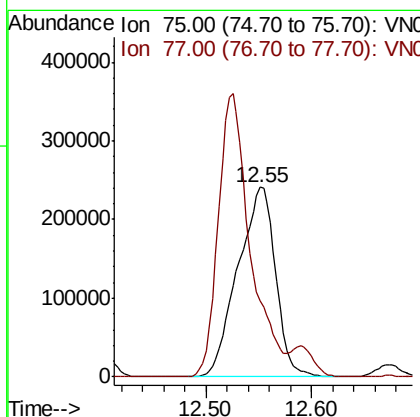
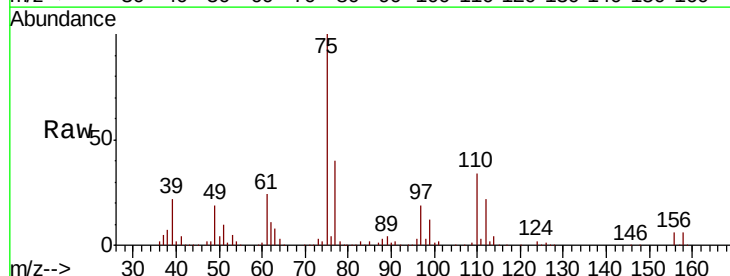
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

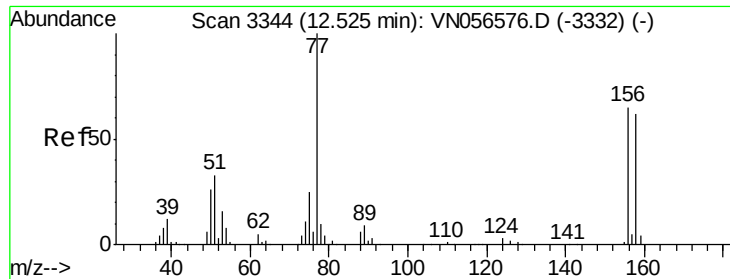
Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.2	15.6
85	64.4	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 158.109 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion	Ratio	Lower	Upper
75	100		
77	126.5	0.0	350.0





#73

Bromobenzene

Concen: 99.483 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

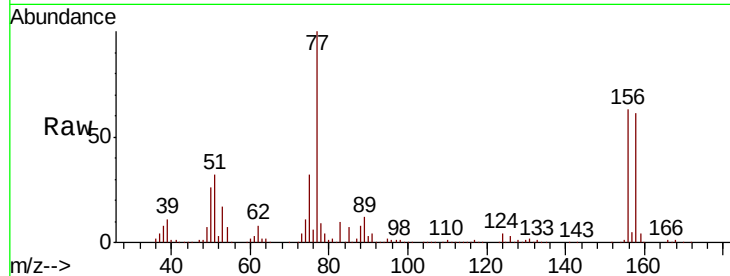
Tgt Ion:156 Resp: 382807

Ion Ratio Lower Upper

156 100

77 197.6 0.0 350.8

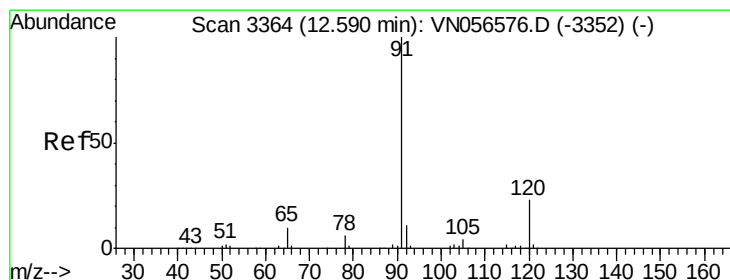
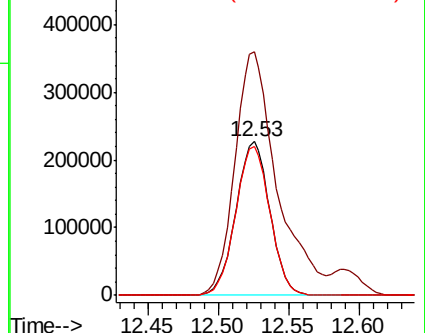
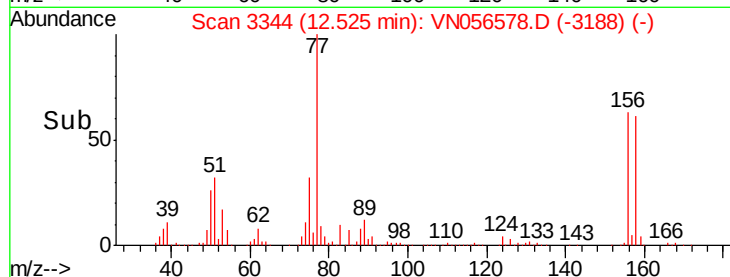
158 98.3 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 112.310 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056578.D

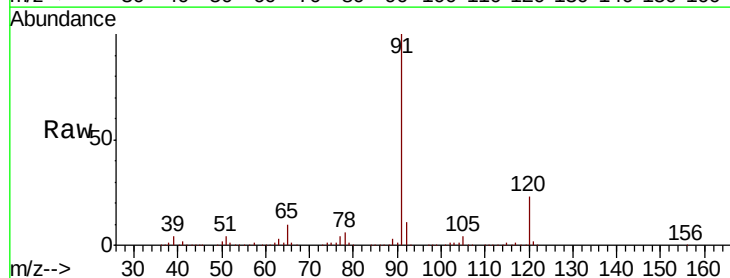
Acq: 3 Jul 2019 10:19

Tgt Ion: 91 Resp: 1718206

Ion Ratio Lower Upper

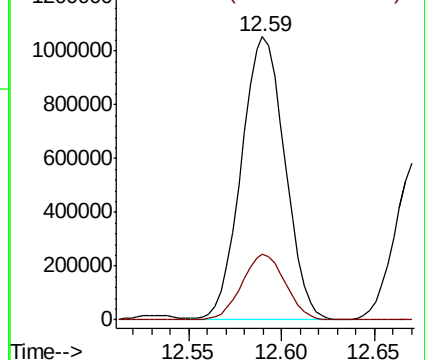
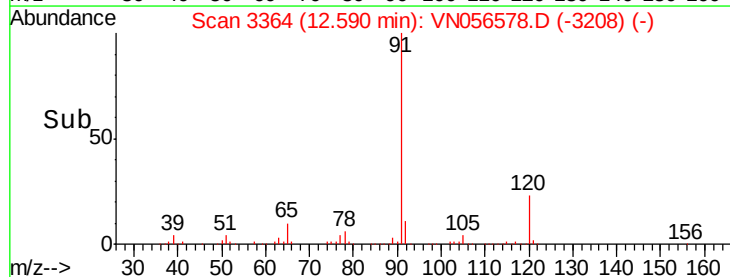
91 100

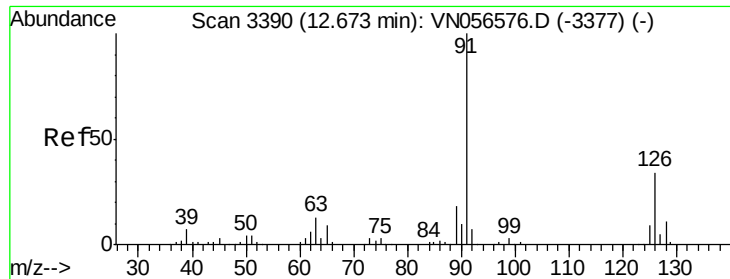
120 23.1 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 105.998 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

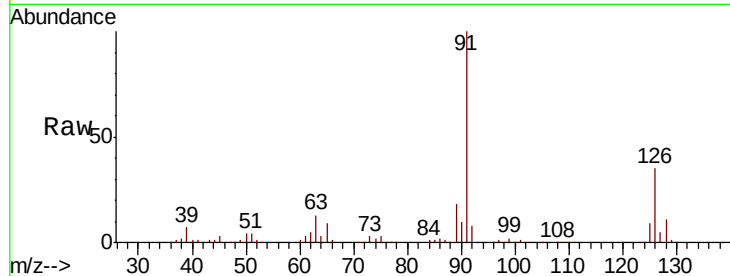
VSTDIC100

Tgt Ion: 91 Resp: 1005843

Ion Ratio Lower Upper

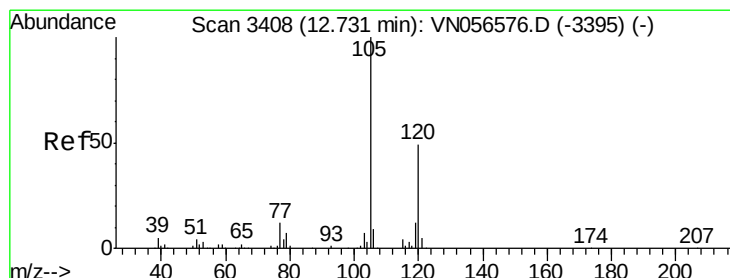
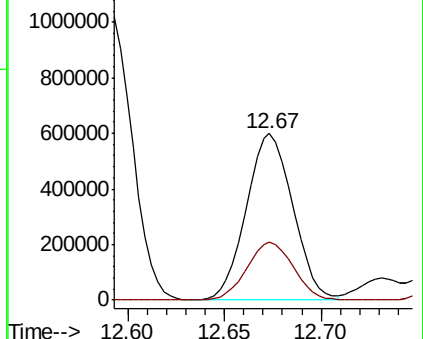
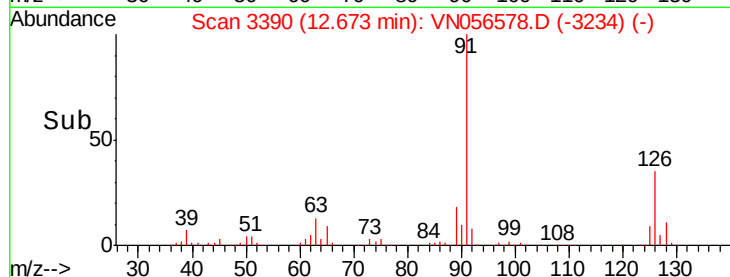
91 100

126 34.6 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056578.D (-3234) (-)

Ion 126.00 (125.70 to 126.70): VN056578.D (-3234) (-)



#76

1,3,5-Trimethylbenzene

Concen: 105.579 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056578.D

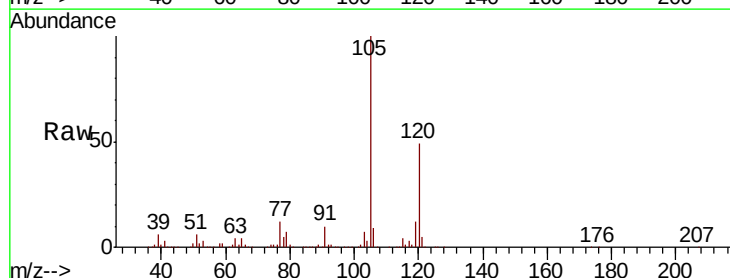
Acq: 3 Jul 2019 10:19

Tgt Ion: 105 Resp: 1258993

Ion Ratio Lower Upper

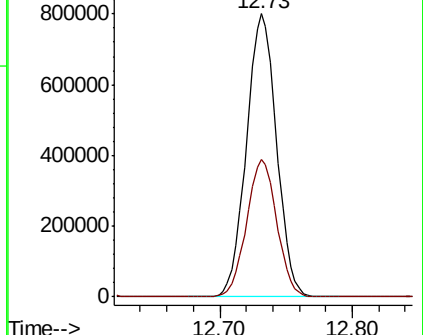
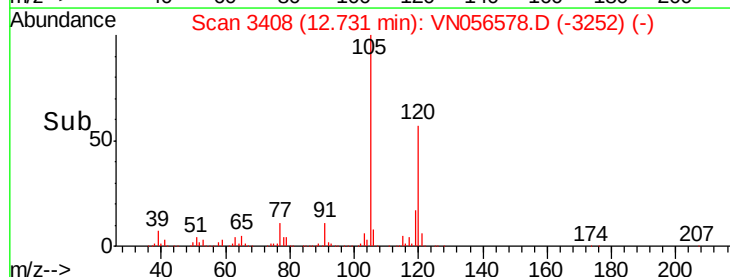
105 100

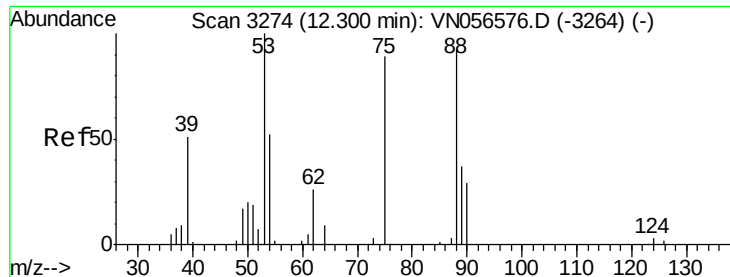
120 48.6 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056578.D (-3252) (-)

Ion 120.00 (119.70 to 120.70): VN056578.D (-3252) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 141.403 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

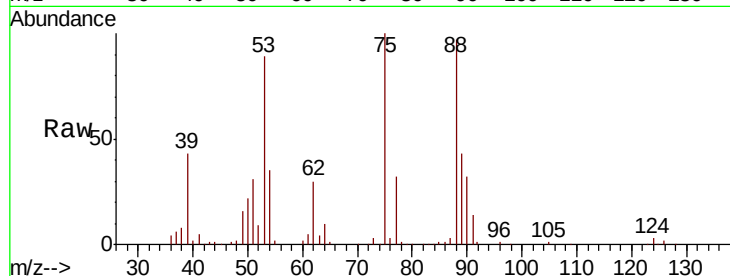
Tgt Ion: 75 Resp: 152665

Ion Ratio Lower Upper

75 100

53 88.9 48.0 144.0

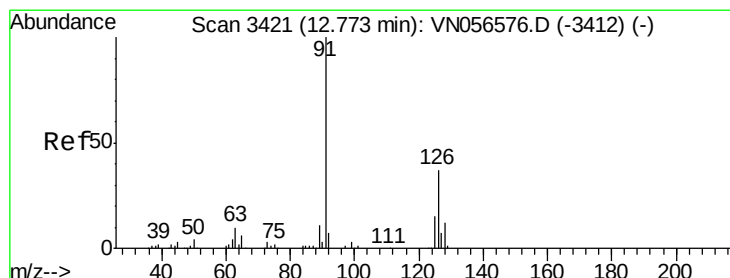
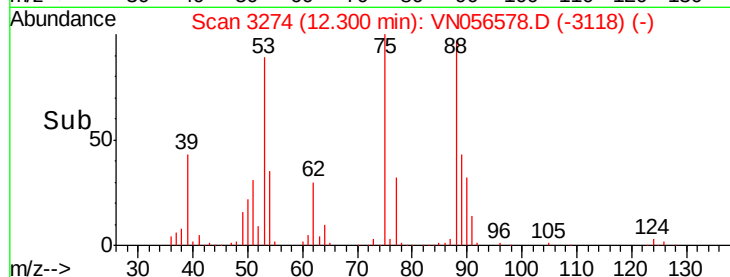
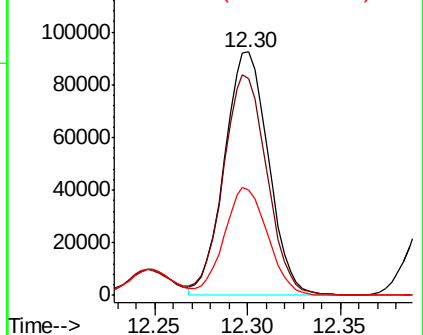
89 43.6 22.5 67.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 114.355 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN056578.D

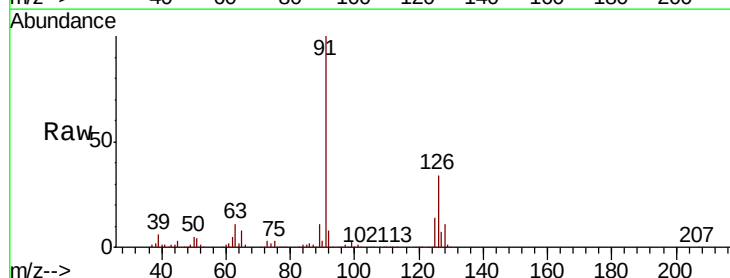
Acq: 3 Jul 2019 10:19

Tgt Ion: 91 Resp: 1013425

Ion Ratio Lower Upper

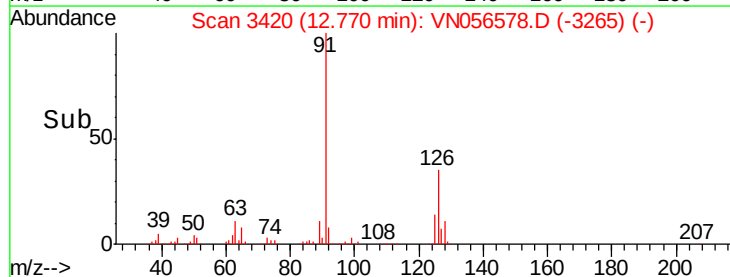
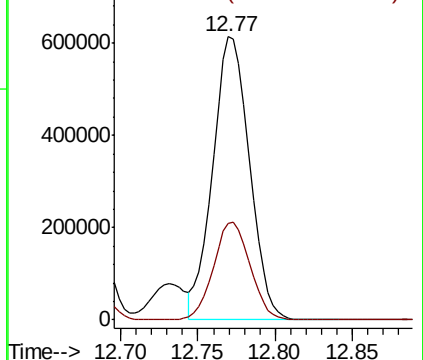
91 100

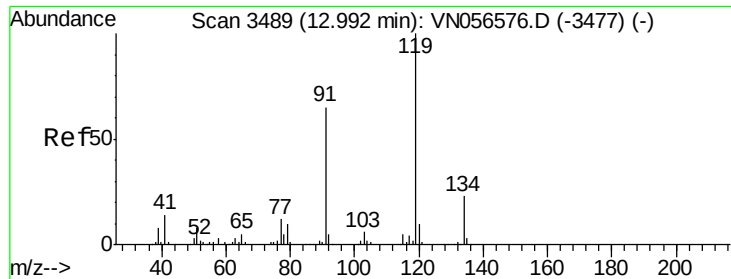
126 34.4 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

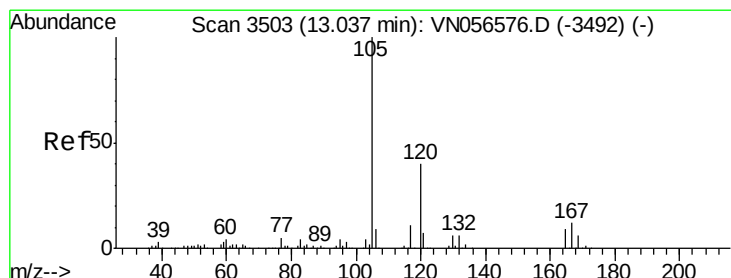
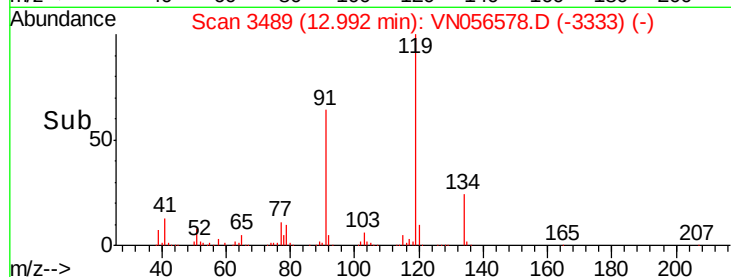
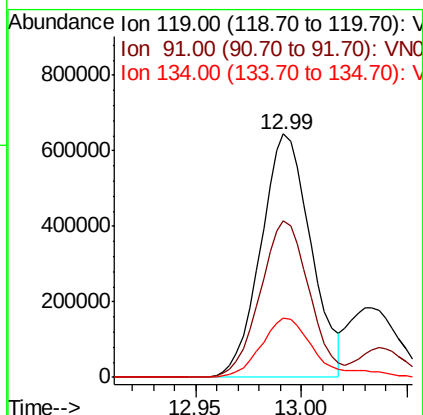
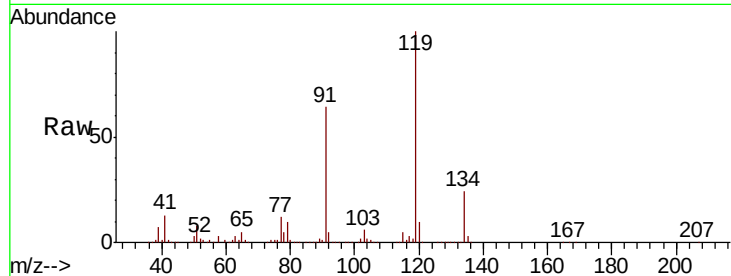




#79
tert-butylbenzene
Concen: 100.381 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

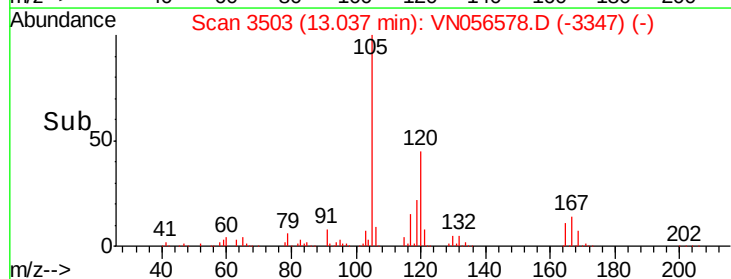
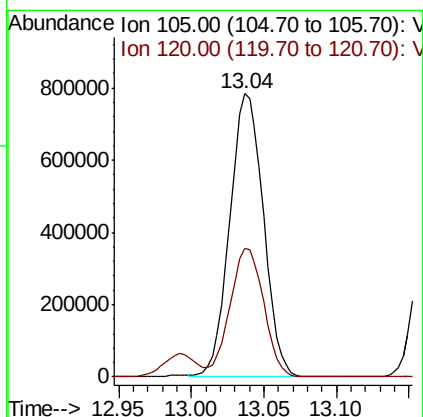
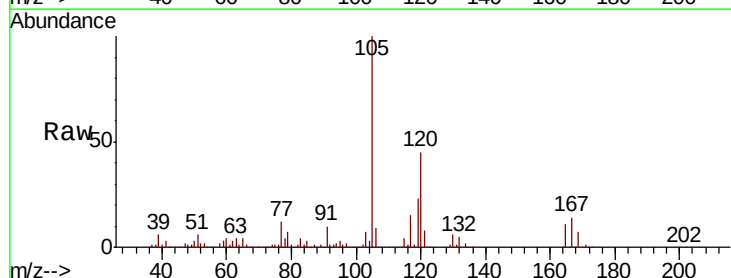
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

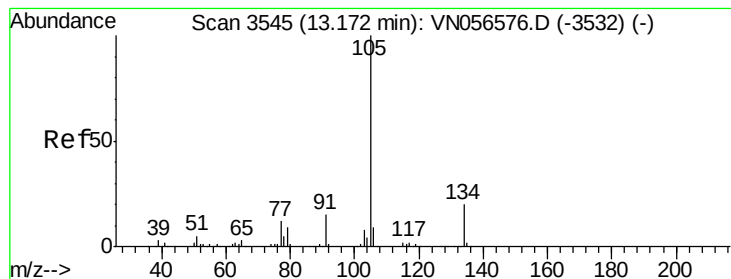
Tgt Ion:119 Resp: 1060513
Ion Ratio Lower Upper
119 100
91 63.4 0.0 122.8
134 24.6 0.0 50.2



#80
1,2,4-Trimethylbenzene
Concen: 108.786 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion:105 Resp: 1261941
Ion Ratio Lower Upper
105 100
120 45.5 0.0 93.4





#81

sec-Butylbenzene

Concen: 107.522 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

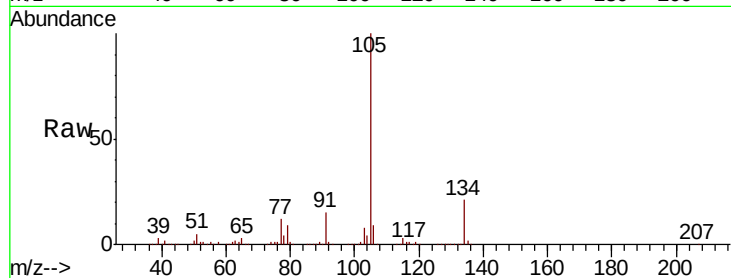
VSTDIC100

Tgt Ion:105 Resp: 1437017

Ion Ratio Lower Upper

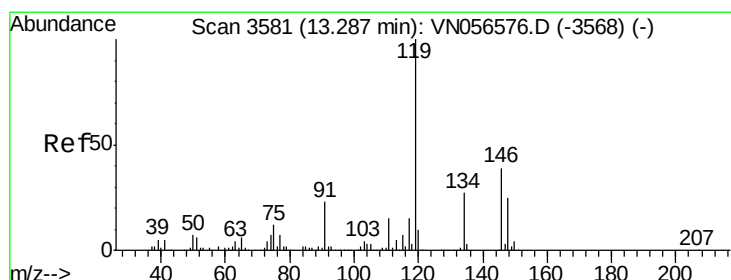
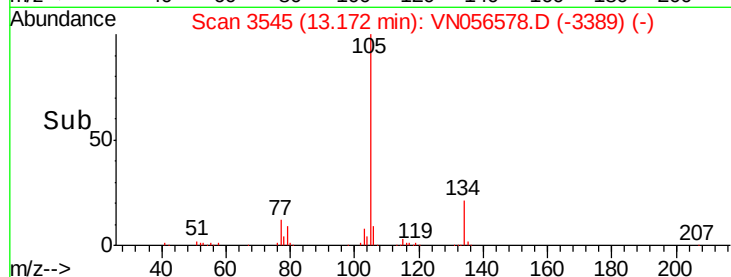
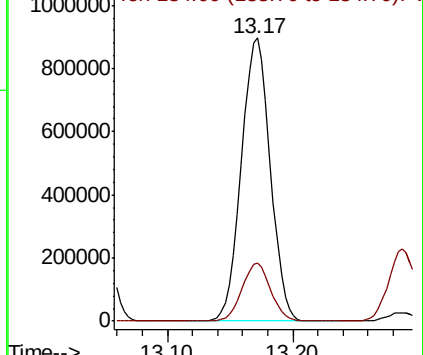
105 100

134 20.3 0.0 41.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 109.589 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

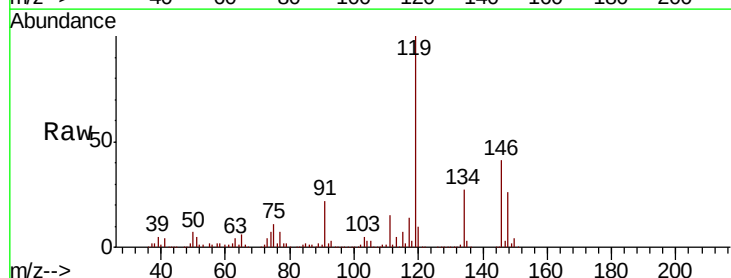
Tgt Ion:119 Resp: 1324229

Ion Ratio Lower Upper

119 100

134 26.4 0.0 53.4

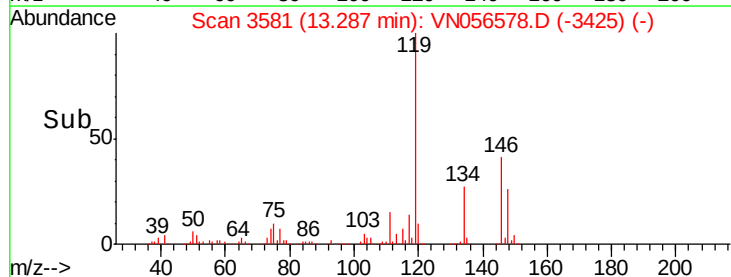
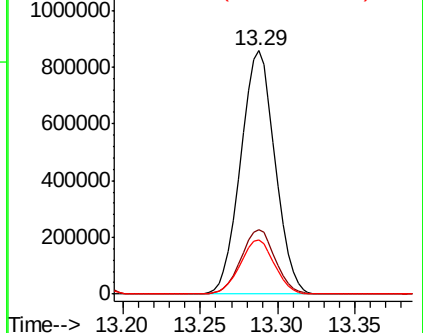
91 22.2 0.0 43.0

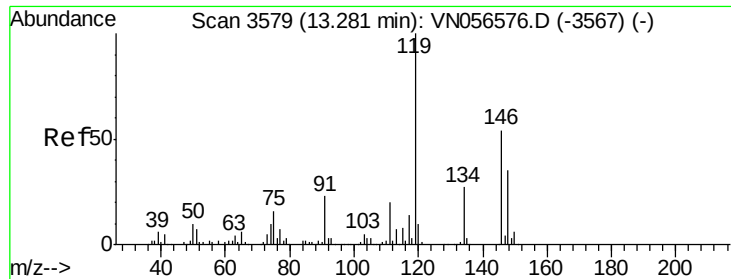


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

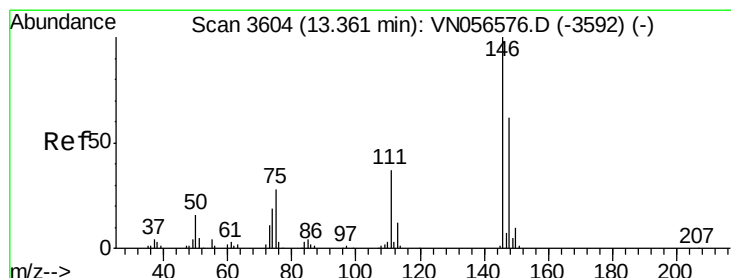
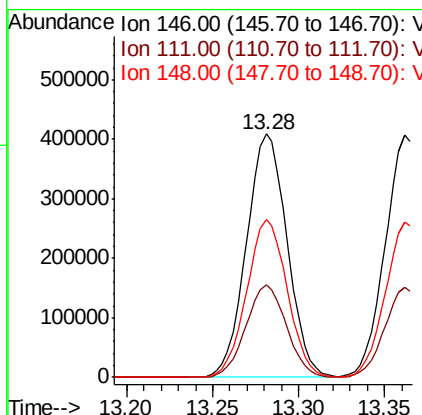
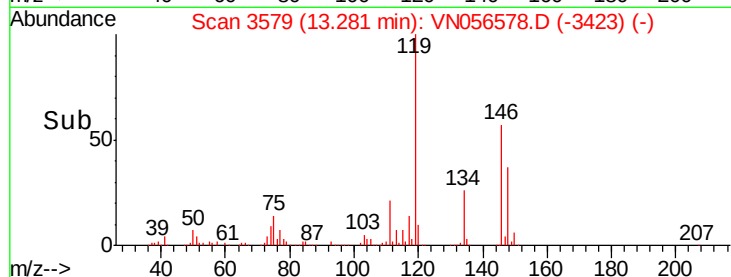
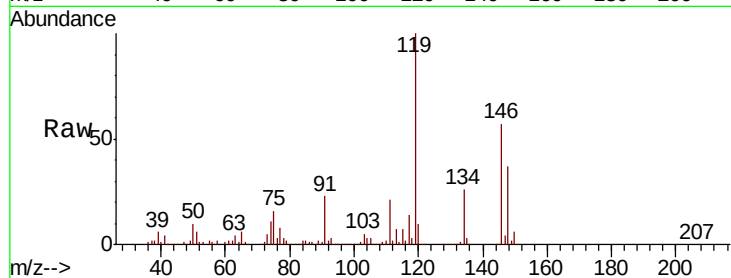




#83
 1,3-Dichlorobenzene
 Concen: 111.571 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

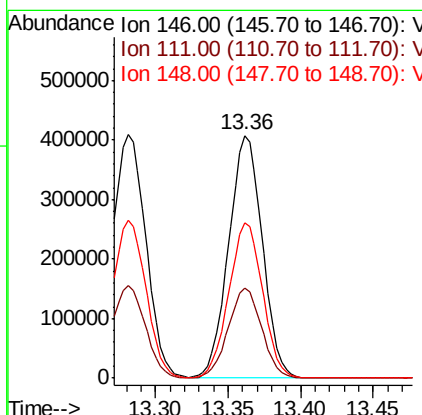
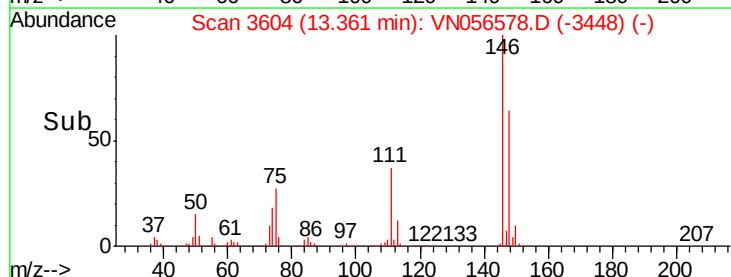
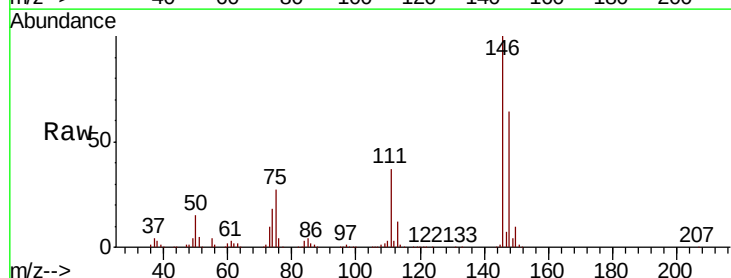
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

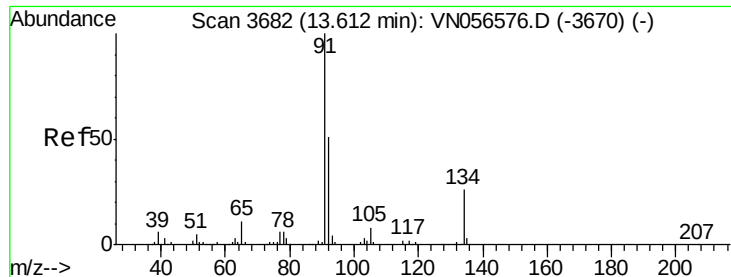
Tgt Ion:146 Resp: 669059
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.2 54.6
 148 64.5 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 114.956 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion:146 Resp: 656644
 Ion Ratio Lower Upper
 146 100
 111 36.8 17.6 52.9
 148 64.1 32.1 96.3





#85

n-Butylbenzene

Concen: 128.654 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056578.D

Acq: 3 Jul 2019 10:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

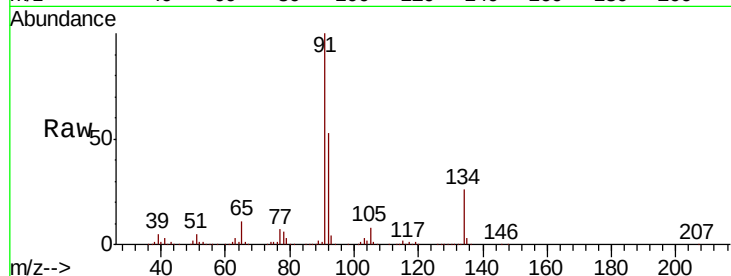
Tgt Ion: 91 Resp: 1160261

Ion Ratio Lower Upper

91 100

92 52.9 0.0 107.2

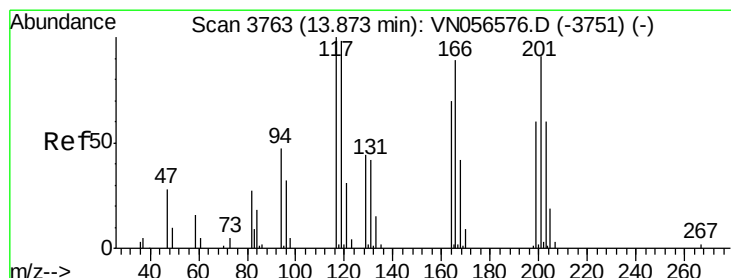
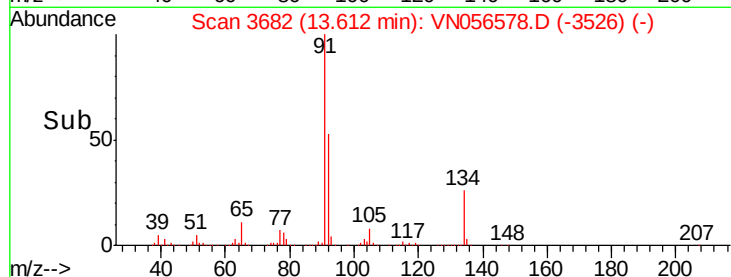
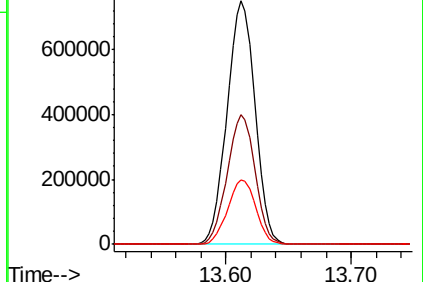
134 26.6 0.0 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN056578.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN056578.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN056578.D (-3670) (-)



#86

Hexachloroethane

Concen: 110.919 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056578.D

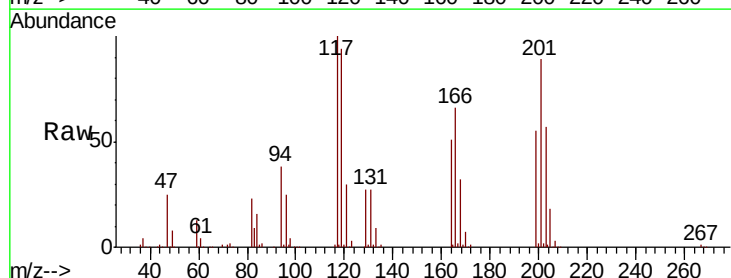
Acq: 3 Jul 2019 10:19

Tgt Ion: 117 Resp: 208947

Ion Ratio Lower Upper

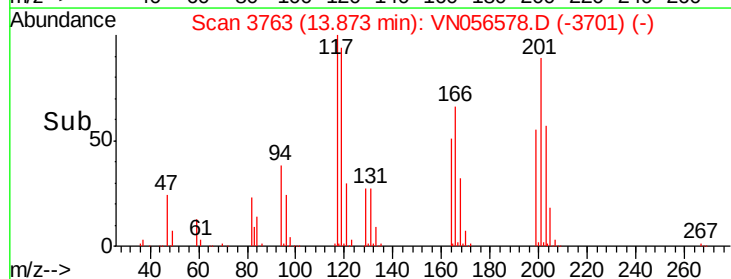
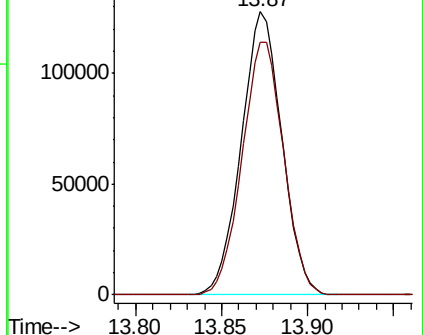
117 100

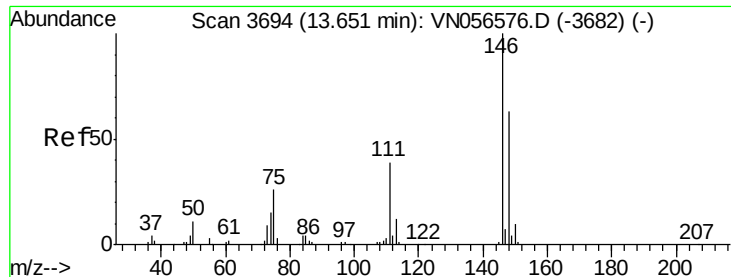
201 91.1 48.1 144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056578.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056578.D (-3751) (-)

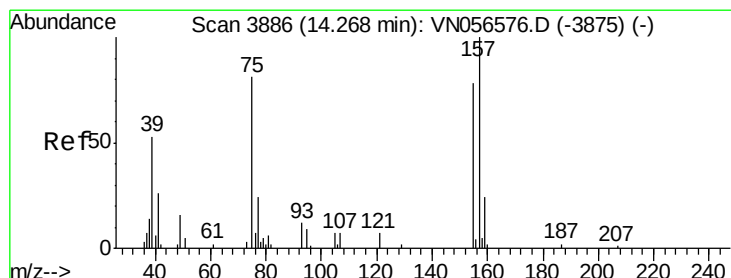
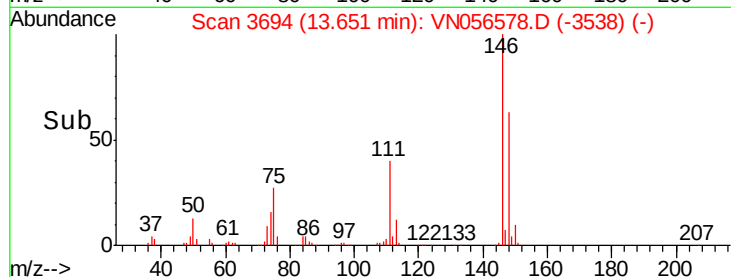
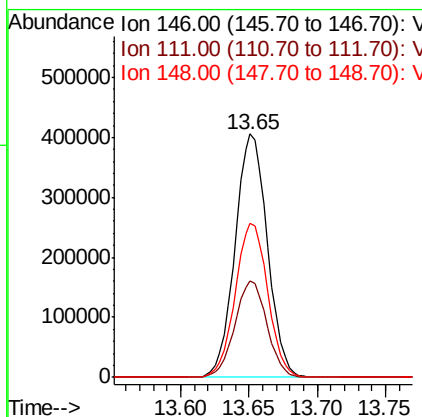
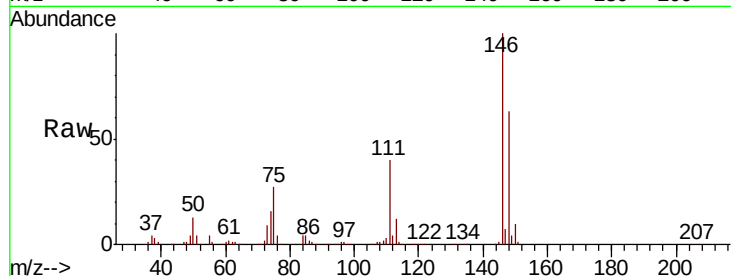




#87
 1,2-Dichlorobenzene
 Concen: 109.347 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

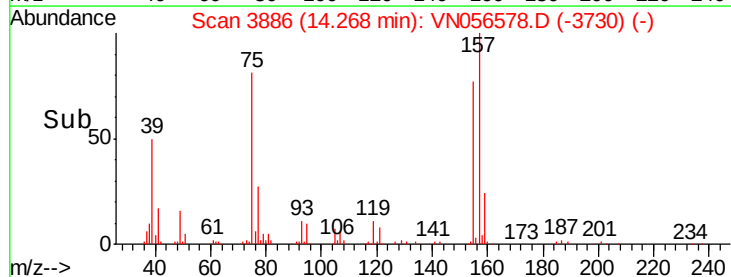
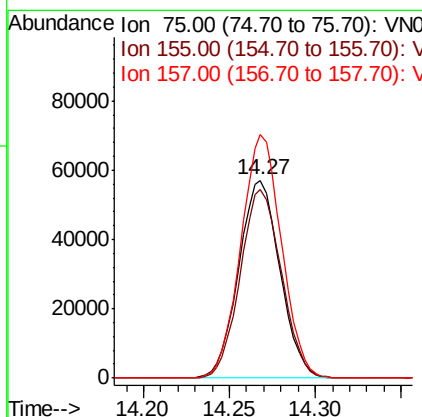
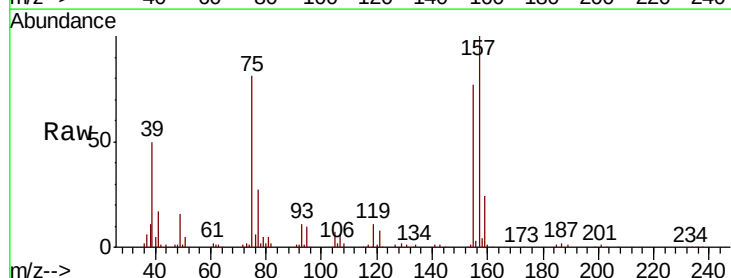
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

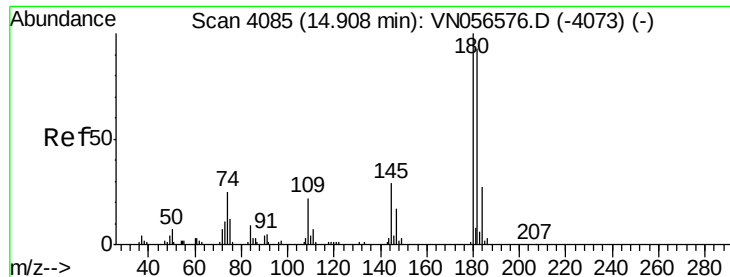
Tgt Ion:146 Resp: 666523
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.3 57.9
 148 63.7 32.6 97.8



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 138.417 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion: 75 Resp: 94967
 Ion Ratio Lower Upper
 75 100
 155 95.3 82.5 123.7
 157 121.2 105.1 157.7

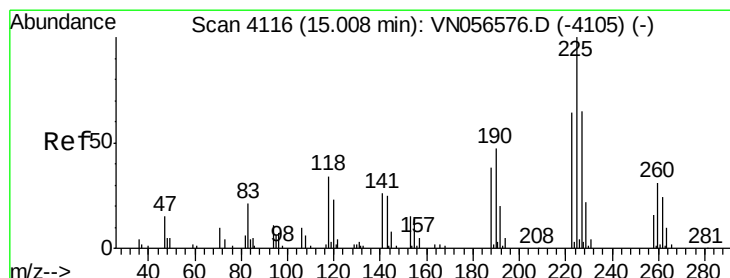
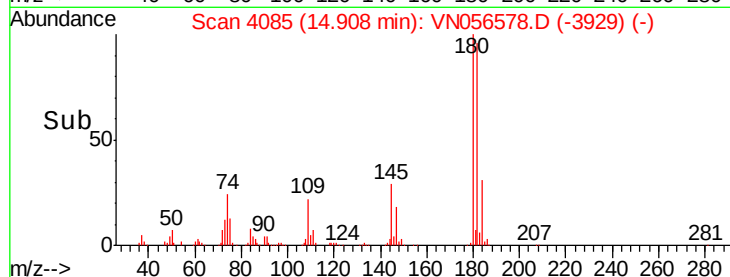
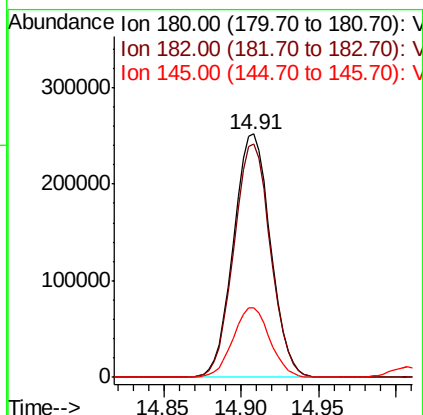
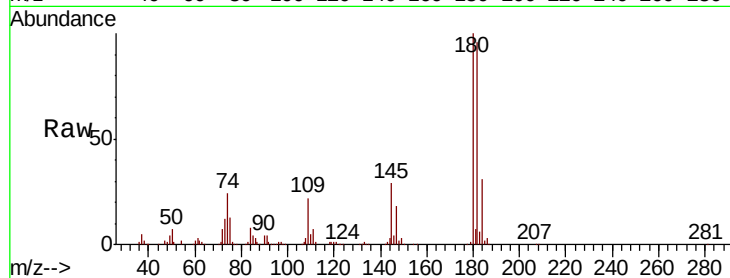




#89
 1,2,4-Trichlorobenzene
 Concen: 140.677 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

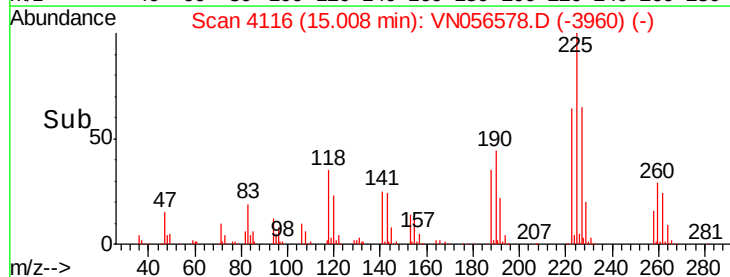
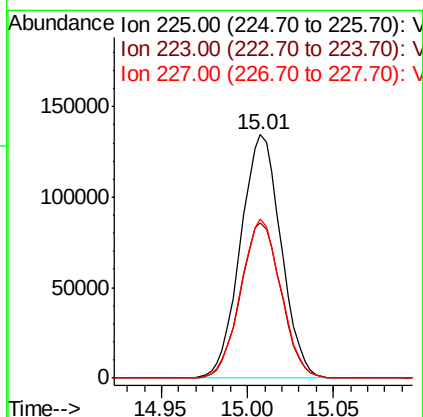
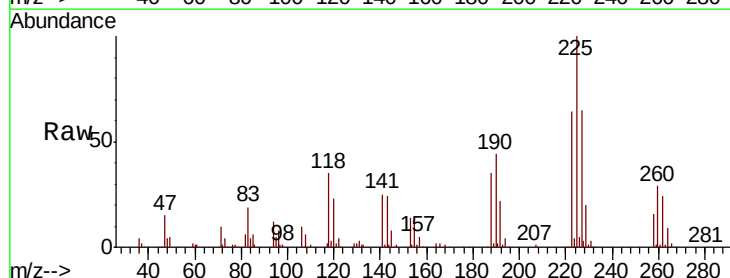
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

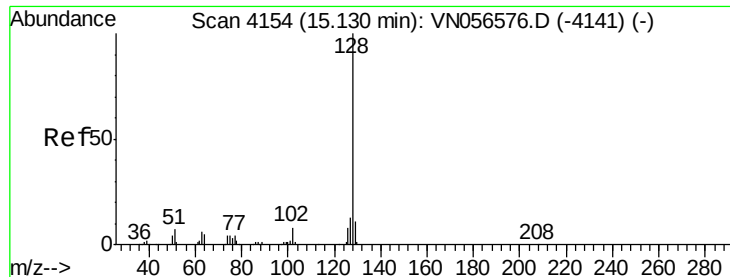
Tgt Ion:180 Resp: 418258
 Ion Ratio Lower Upper
 180 100
 182 95.3 75.0 112.6
 145 28.5 22.1 33.1



#90
 Hexachlorobutadiene
 Concen: 98.916 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056578.D
 Acq: 3 Jul 2019 10:19

Tgt Ion:225 Resp: 220107
 Ion Ratio Lower Upper
 225 100
 223 63.6 0.0 125.6
 227 64.6 0.0 128.6

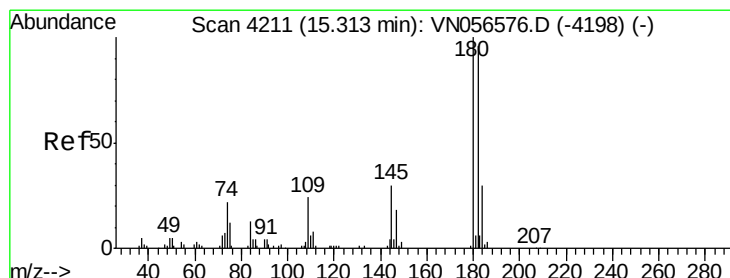
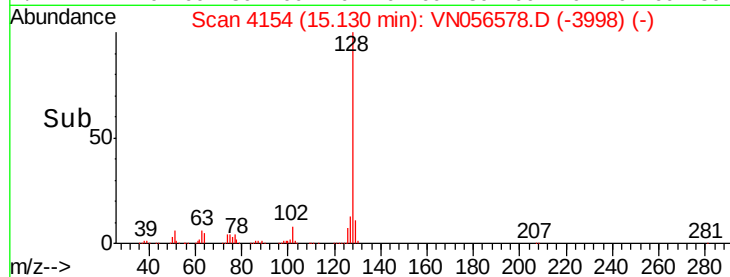
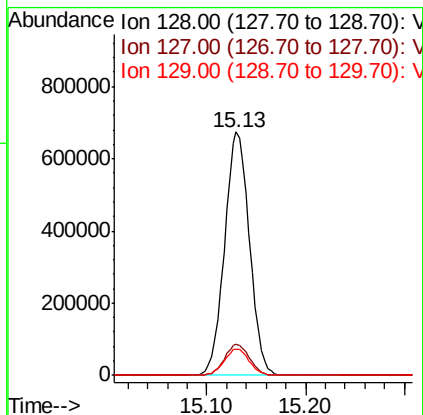
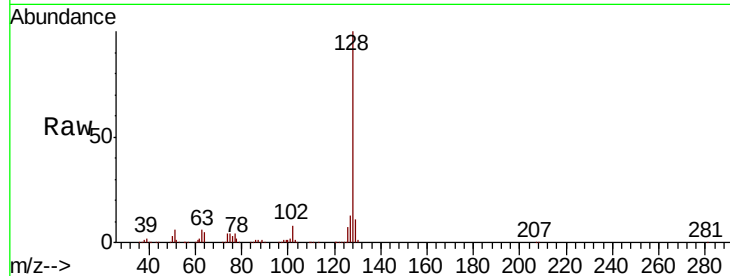




#91
Naphthalene
Concen: 146.947 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 1189607
Ion Ratio Lower Upper
128 100
127 12.9 10.4 15.6
129 10.9 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 132.673 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN056578.D
Acq: 3 Jul 2019 10:19

Tgt Ion:180 Resp: 423324
Ion Ratio Lower Upper
180 100
182 95.3 0.0 193.4
145 30.4 0.0 59.8

