

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070919\
 Data File : VN056631.D
 Acq On : 9 Jul 2019 16:12
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Jul 10 01:28:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N070319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 03 11:05:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	53923	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	303227	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	267337	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	111281	29.94	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.80%
60) 4-Bromofluorobenzene	12.40	95	123863	30.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.50%
63) Toluene-d8	10.09	98	374195	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	53832	19.907	ug/l 99
3) Chloromethane	2.06	50	71609	18.246	ug/l 98
4) Vinyl Chloride	2.18	62	71916	19.469	ug/l 98
5) Bromomethane	2.53	94	35161	17.841	ug/l 96
6) Chloroethane	2.68	64	40367	19.733	ug/l 99
7) Trichlorofluoromethane	3.00	101	94691	19.971	ug/l 98
8) Diethyl Ether	3.40	74	38082	18.935	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	59721	19.879	ug/l 95
10) 1,1-Dichloroethene	3.73	96	55737	18.910	ug/l 90
11) Methyl Iodide	3.94	142	46633	11.063	ug/l 98
12) Methyl Acetate	4.32	43	71255	17.925	ug/l 95
13) Acrolein	3.60	56	30804	79.368	ug/l 99
14) Acrylonitrile	4.98	53	158487	90.802	ug/l 100
15) Acetone	3.82	58	49016	100.650	ug/l 98
16) Carbon Disulfide	4.04	76	133671	18.860	ug/l 100
17) Allyl chloride	4.32	41	98684	19.131	ug/l 97
18) Methylene Chloride	4.54	84	67674	19.419	ug/l 91
19) trans-1,2-Dichloroethene	5.03	96	61292	19.172	ug/l 96
20) Diisopropyl ether	5.95	45	203269	19.074	ug/l 98
21) 1,1-Dichloroethane	5.84	63	115520	19.216	ug/l 99
22) cis-1,2-Dichloroethene	6.82	96	70711	18.809	ug/l 93
23) tert-Butyl Alcohol	4.79	59	52495	80.401	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	183736	18.846	ug/l 99
25) Chloroform	7.37	83	114648	19.457	ug/l 98
26) Cyclohexane	7.65	56	104797	18.926	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	84053	18.772	ug/l 99
30) 2-Butanone	6.83	43	217319	87.547	ug/l 97
31) 2,2-Dichloropropane	6.82	77	82071	19.062	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	90671	18.995	ug/l 98
33) Carbon Tetrachloride	7.77	117	75940	18.767	ug/l 99
34) Benzene	8.04	78	265937	18.993	ug/l 97
35) Methacrylonitrile	7.17	41	38532	17.479	ug/l 98
36) 1,2-Dichloroethane	8.12	62	87545	19.237	ug/l 96
37) Trichloroethene	8.83	130	69763	19.104	ug/l 92
38) Methylcyclohexane	9.08	83	108119	19.267	ug/l 99
39) 1,2-Dichloropropane	9.12	63	72126	19.136	ug/l 96
40) Dibromomethane	9.21	93	44065	18.913	ug/l 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	83008	19.223	ug/l	98
42) Vinyl Acetate	5.89	43	822390	93.045	ug/l	98
43) Ethyl Acetate	6.93	43	85616	17.830	ug/l	98
44) Isopropyl Acetate	8.16	43	132288	17.658	ug/l	98
45) 1,4-Dioxane	9.20	88	25985	354.480	ug/l	89
46) Methyl methacrylate	9.20	41	65535	17.803	ug/l	96
47) n-amyl Acetate	12.07	43	107511	17.265	ug/l	94
48) t-1,3-Dichloropropene	10.38	75	85865	18.553	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	102149	19.136	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	66596	19.402	ug/l	98
51) Ethyl methacrylate	10.43	69	97122	17.966	ug/l	96
52) 1,3-Dichloropropane	10.71	76	112226	19.241	ug/l	100
53) Dibromochloromethane	10.90	129	63247	18.800	ug/l	99
54) 1,2-Dibromoethane	11.00	107	67326	18.825	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	252382	91.621	ug/l	98
56) Bromoform	12.12	173	43717	17.884	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	427566	88.953	ug/l	97
59) 2-Hexanone	10.75	43	306201	85.848	ug/l	99
61) Tetrachloroethene	10.63	164	66840	19.920	ug/l	98
62) Toluene	10.15	91	287007	19.236	ug/l	99
64) Chlorobenzene	11.43	112	172201	19.157	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	61868	19.111	ug/l	100
66) Ethyl Benzene	11.51	91	306213	18.928	ug/l	99
67) m/p-Xylenes	11.62	106	233262	39.071	ug/l	95
68) o-Xylene	11.94	106	111714	18.921	ug/l	96
69) Styrene	11.96	104	185968	18.931	ug/l	98
70) Isopropylbenzene	12.25	105	299214	19.423	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	94135	18.483	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	109119	25.478	ug/l	70
73) Bromobenzene	12.52	156	77672	19.549	ug/l	94
74) n-propylbenzene	12.59	91	333973	19.109	ug/l	98
75) 2-Chlorotoluene	12.67	91	201569	19.287	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	253630	19.443	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	22297	16.253	ug/l	95
78) 4-Chlorotoluene	12.77	91	194774	19.163	ug/l	98
79) tert-butylbenzene	12.99	119	218784	19.630	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	253325	19.662	ug/l	98
81) sec-Butylbenzene	13.17	105	289423	19.583	ug/l	98
82) p-Isopropyltoluene	13.29	119	262667	19.767	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	128463	19.470	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	120720	18.967	ug/l	99
85) n-Butylbenzene	13.61	91	212866	19.062	ug/l	98
86) Hexachloroethane	13.87	117	37470	18.701	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	131306	19.597	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	14411	15.791	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	63164	17.056	ug/l	98
90) Hexachlorobutadiene	15.01	225	45610	19.823	ug/l	98
91) Naphthalene	15.13	128	155524	14.965	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	66577	17.125	ug/l	98

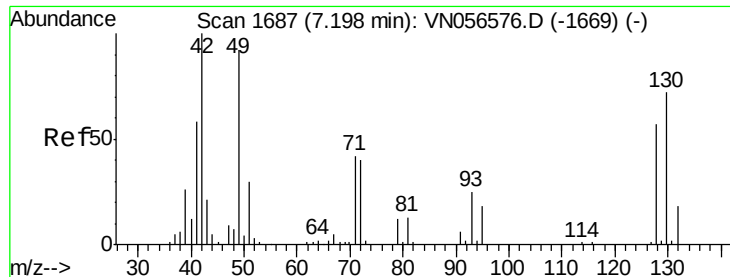
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

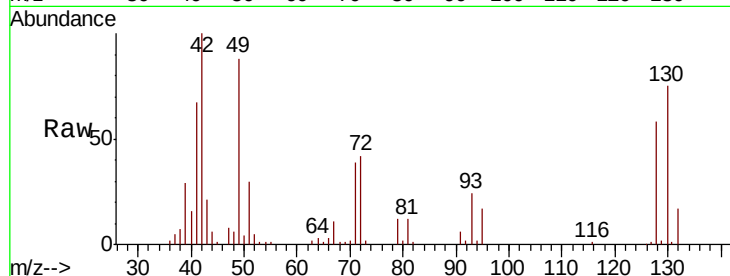
Tot Ion:128 Resp: 53923

Ion Ratio Lower Upper

128 100

49 160.3 0.0 355.8

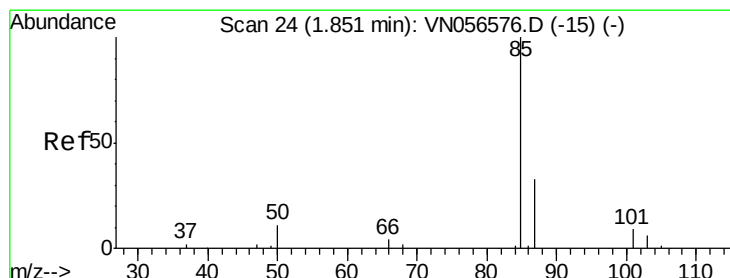
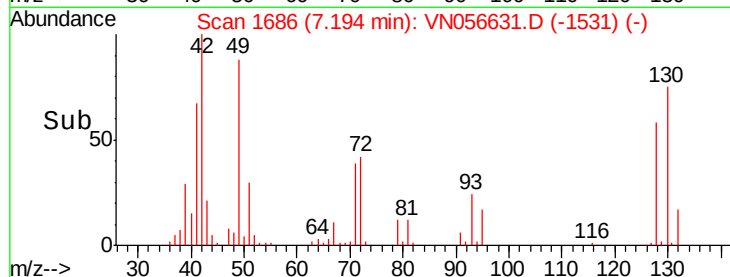
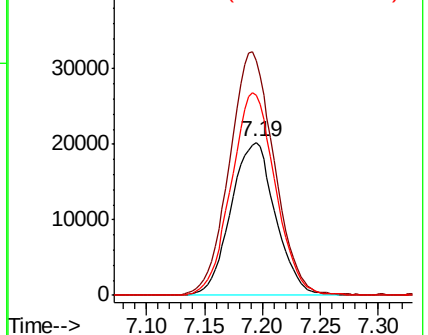
130 131.9 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.907 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056631.D

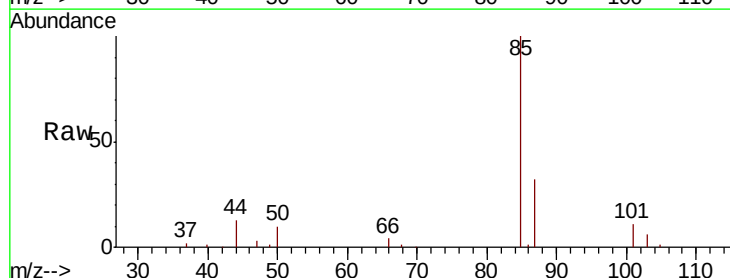
Acq: 9 Jul 2019 16:12

Tgt Ion: 85 Resp: 53832

Ion Ratio Lower Upper

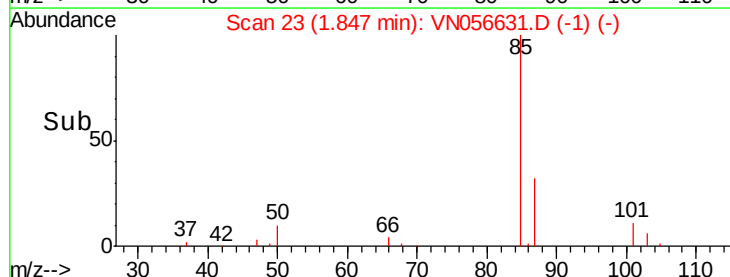
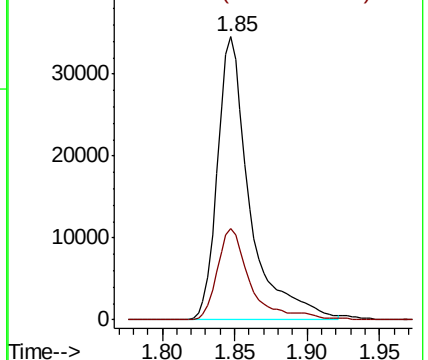
85 100

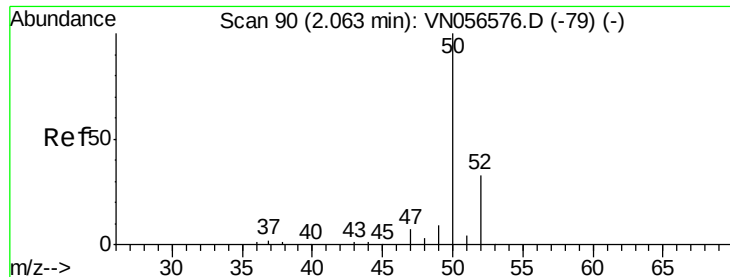
87 32.3 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.246 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

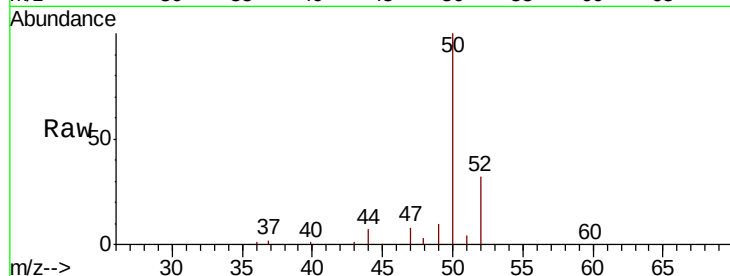
VSTDCCC020EC

Tot Ion: 50 Resp: 71609

Ion Ratio Lower Upper

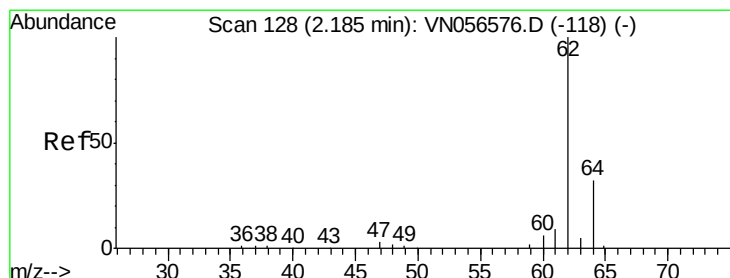
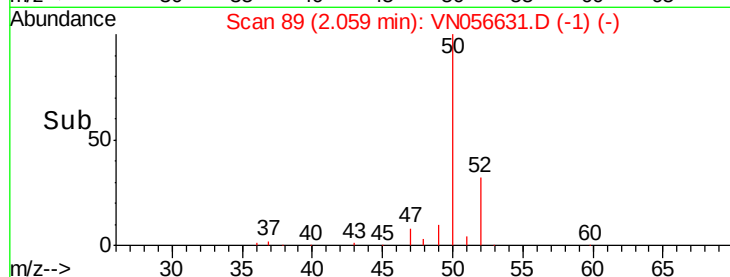
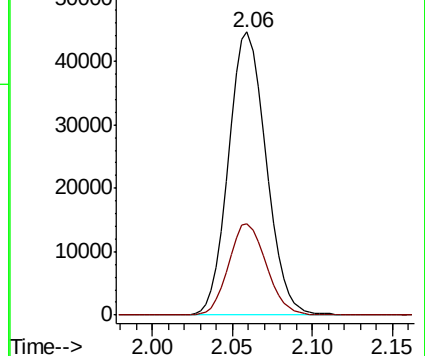
50 100

52 32.4 26.7 40.1



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.469 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056631.D

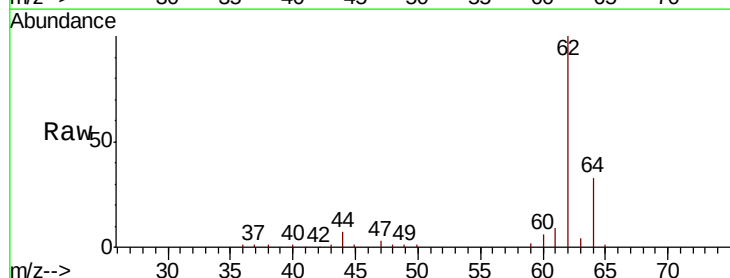
Acq: 9 Jul 2019 16:12

Tgt Ion: 62 Resp: 71916

Ion Ratio Lower Upper

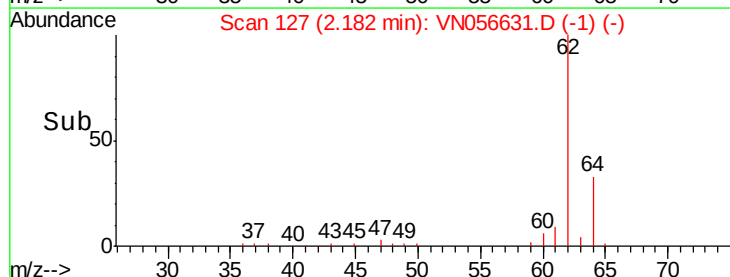
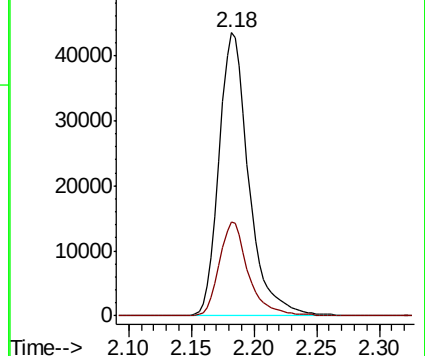
62 100

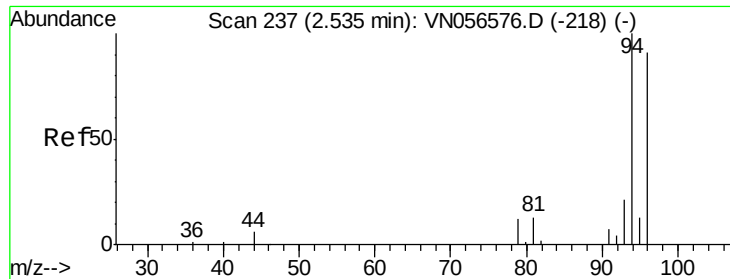
64 33.3 25.8 38.8



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

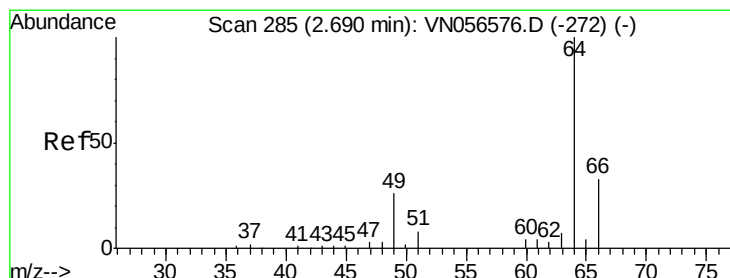
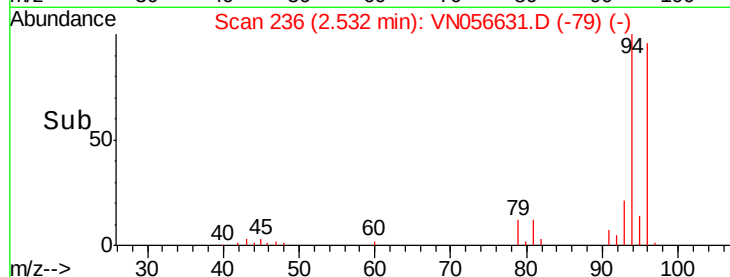
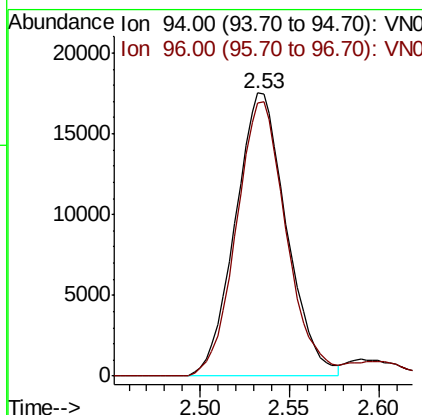
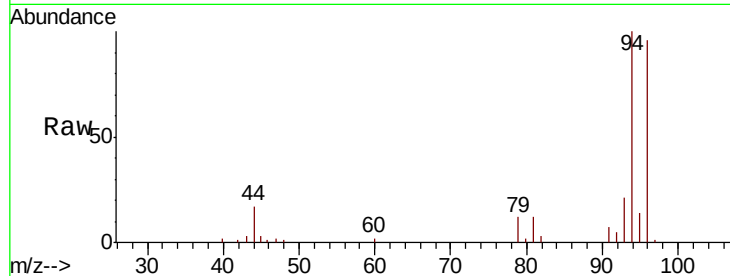




#5
Bromomethane
Concen: 17.841 ug/l
RT: 2.53 min Scan# 236
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

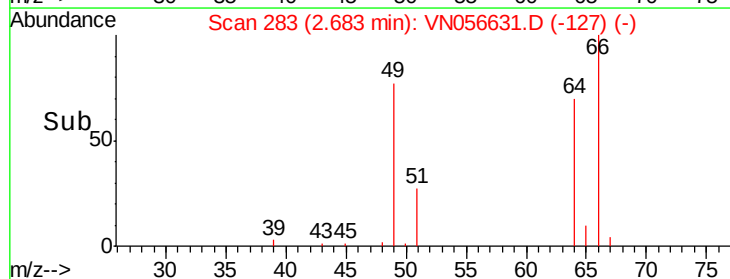
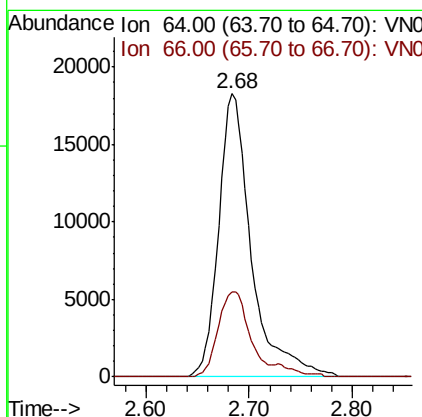
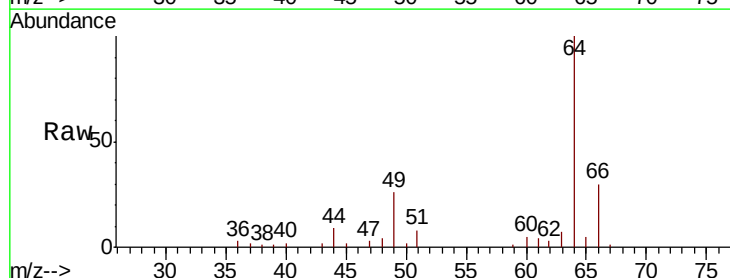
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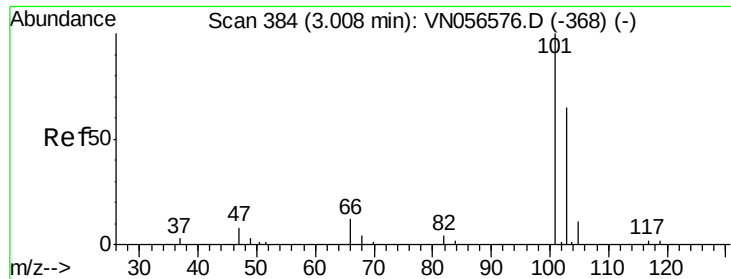
Tot Ion: 94 Resp: 35161
Ion Ratio Lower Upper
94 100
96 96.4 74.1 111.1



#6
Chloroethane
Concen: 19.733 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 64 Resp: 40367
Ion Ratio Lower Upper
64 100
66 29.9 23.7 35.5



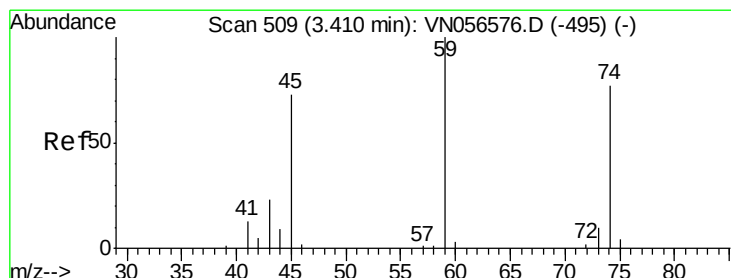
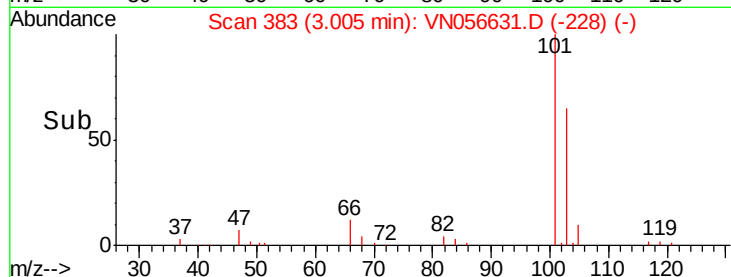
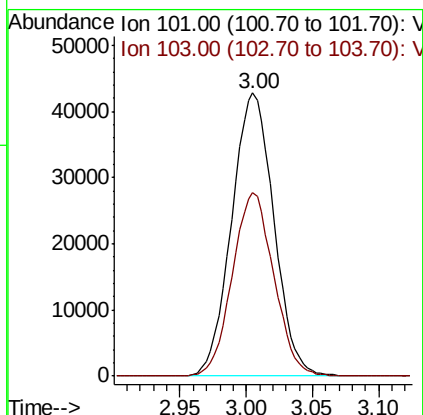
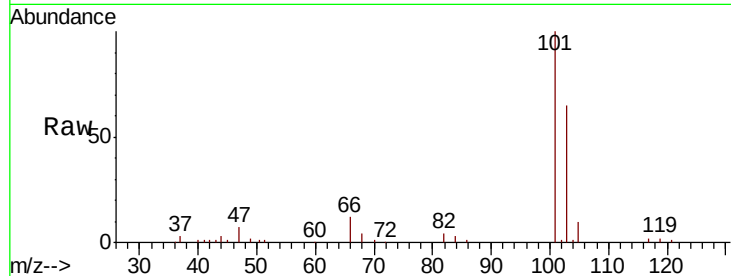


#7

Trichlorofluoromethane
 Concen: 19.971 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
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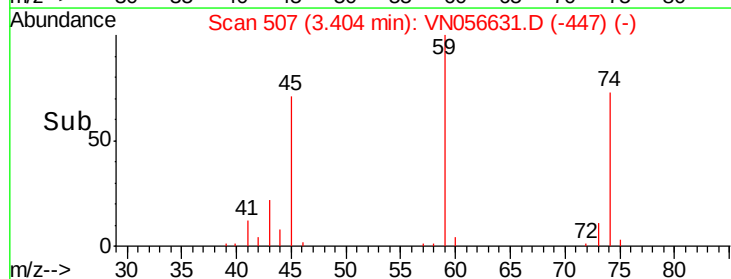
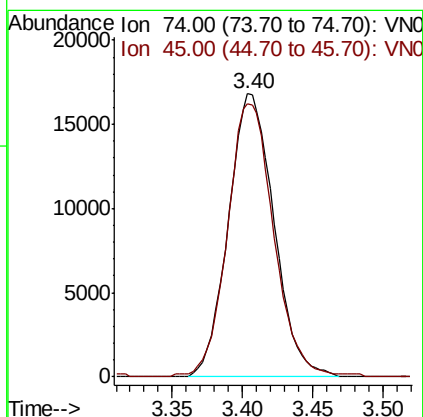
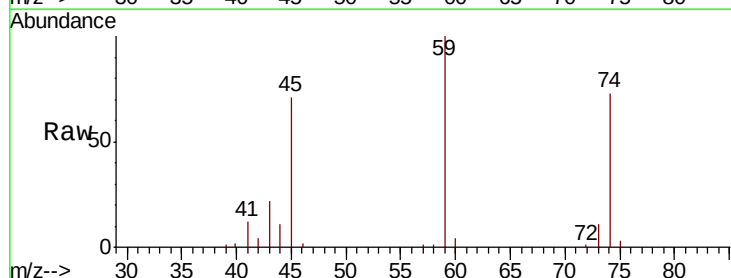
Tot Ion:101 Resp: 94691
 Ion Ratio Lower Upper
 101 100
 103 64.8 53.4 80.0

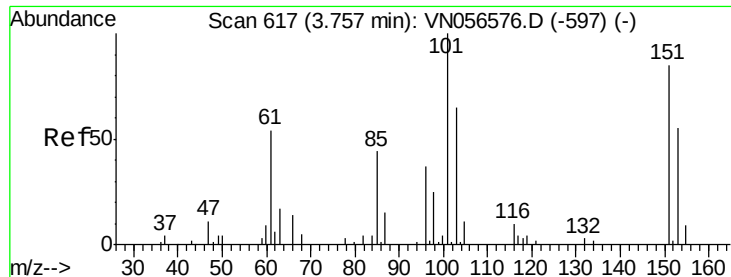


#8

Diethyl Ether
 Concen: 18.935 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.01 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion: 74 Resp: 38082
 Ion Ratio Lower Upper
 74 100
 45 94.9 18.8 169.6

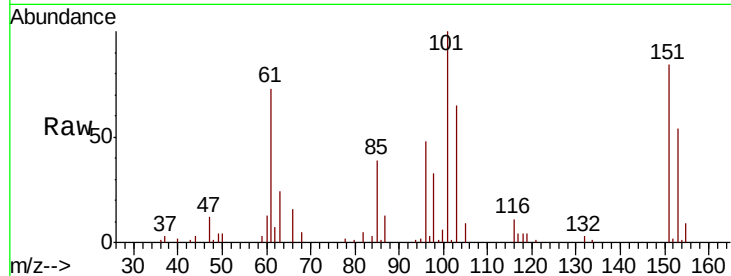




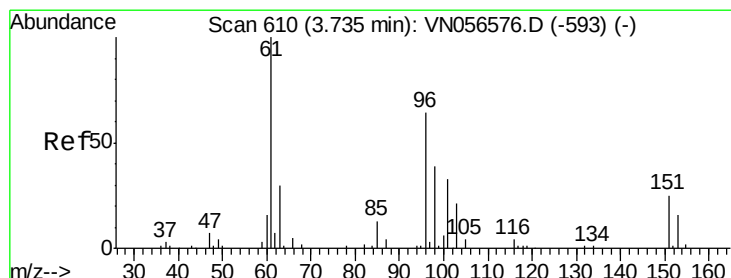
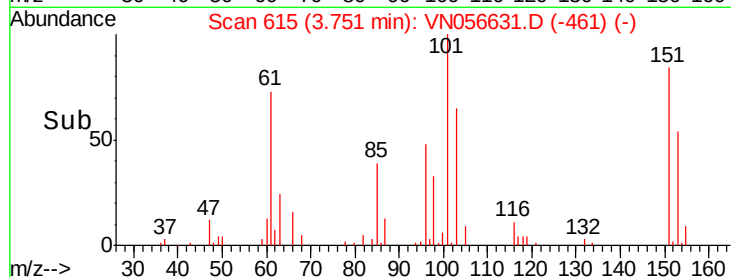
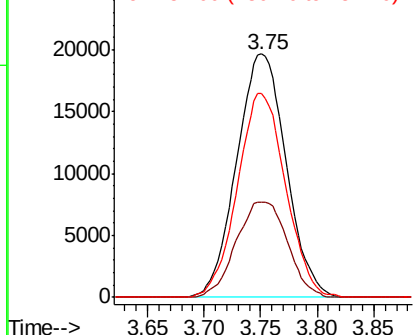
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.879 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
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 VSTDCCC020EC

Tot Ion:101 Resp: 59721
 Ion Ratio Lower Upper
 101 100
 85 40.6 0.0 82.0
 151 81.7 0.0 177.0

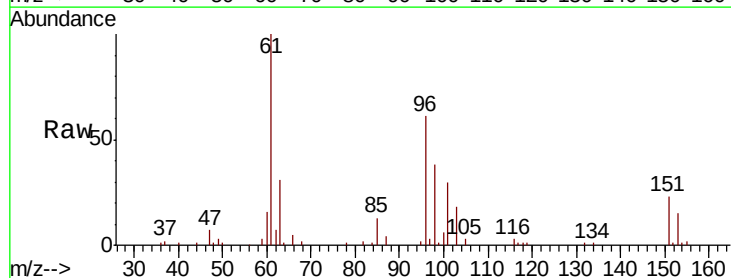


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 85.00 (84.70 to 85.70): VN
 Ion 151.00 (150.70 to 151.70): V

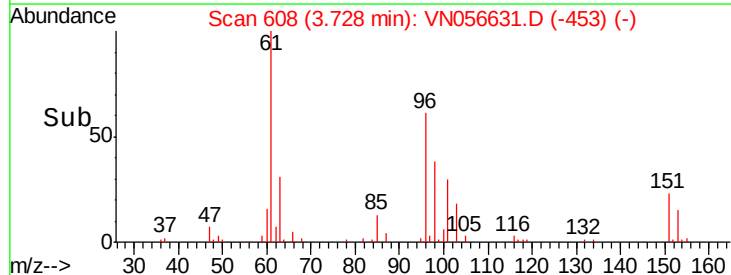
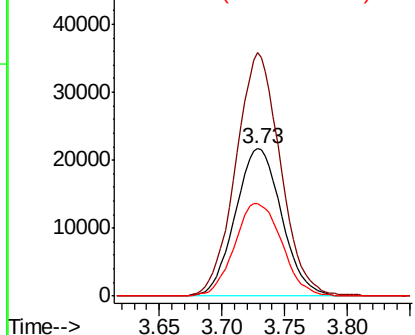


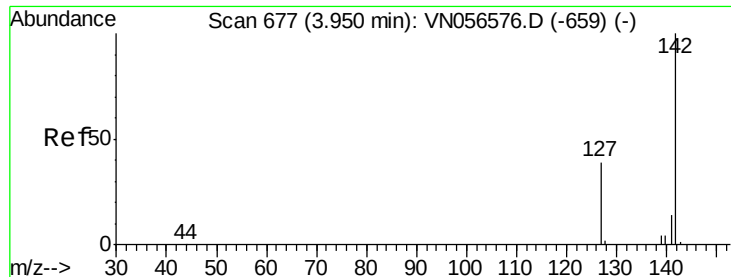
#10
 1,1-Dichloroethene
 Concen: 18.910 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion: 96 Resp: 55737
 Ion Ratio Lower Upper
 96 100
 61 165.2 119.7 179.5
 98 62.6 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

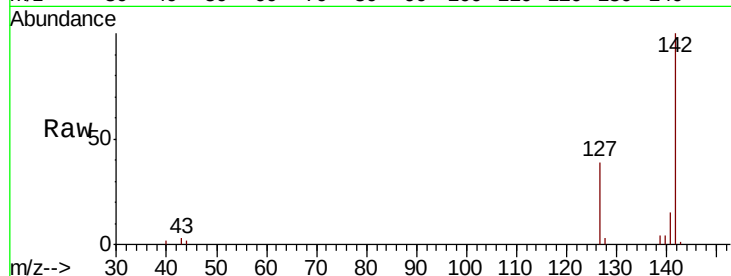




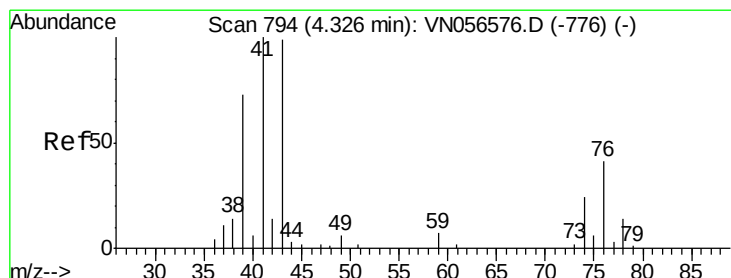
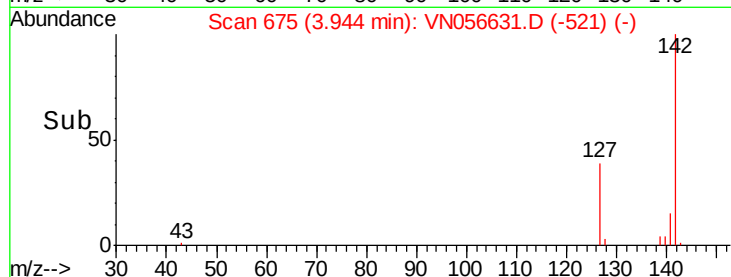
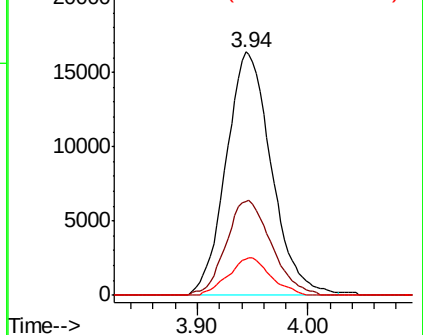
#11
Methyl Iodide
Concen: 11.063 ug/l
RT: 3.94 min Scan# 675
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:142 Resp: 46633
Ion Ratio Lower Upper
142 100
127 38.8 19.0 57.0
141 15.1 6.7 20.0

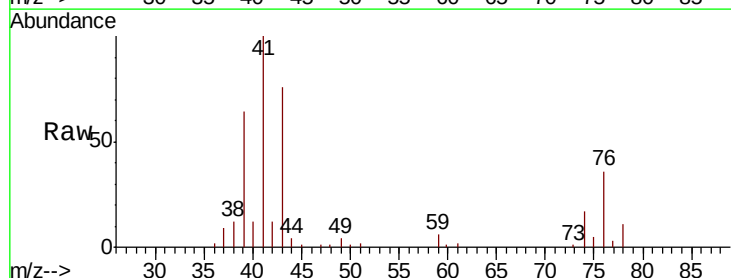


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

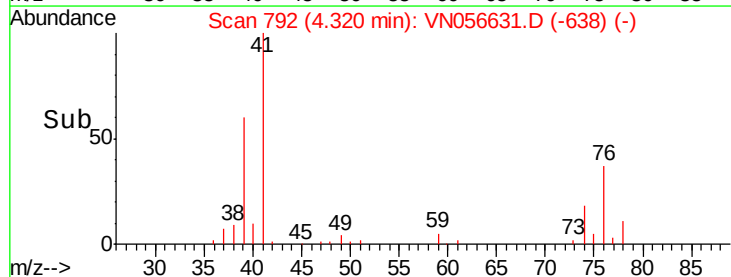
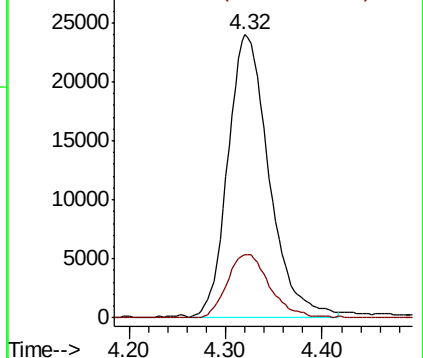


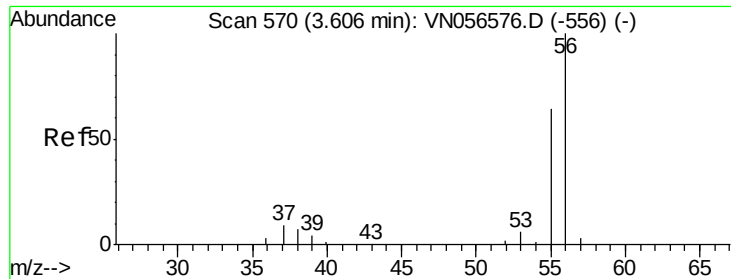
#12
Methyl Acetate
Concen: 17.925 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 43 Resp: 71255
Ion Ratio Lower Upper
43 100
74 22.2 19.9 29.9



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





#13

Acrolein

Concen: 79.368 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

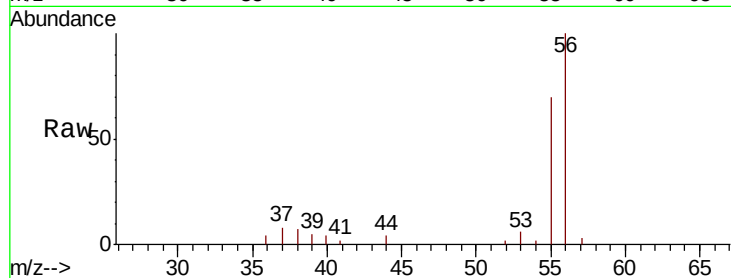
VSTDCCC020EC

Tot Ion: 56 Resp: 30804

Ion Ratio Lower Upper

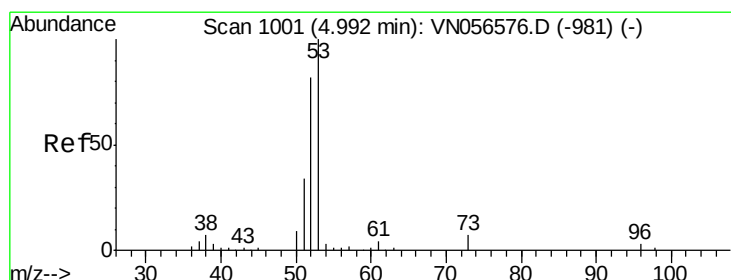
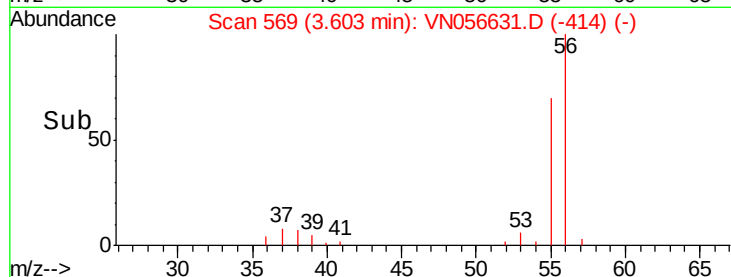
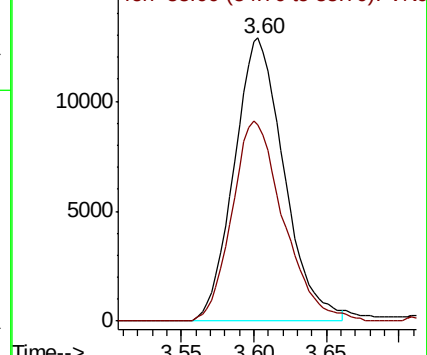
56 100

55 72.9 57.9 86.9



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 90.802 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

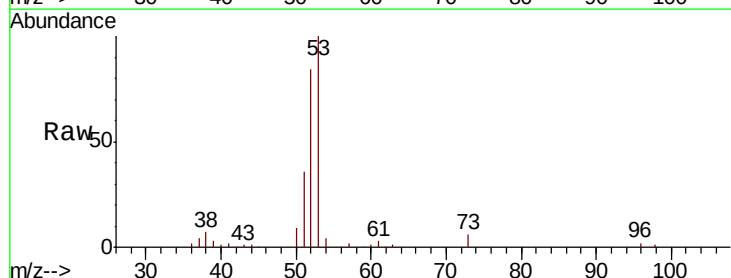
Tgt Ion: 53 Resp: 158487

Ion Ratio Lower Upper

53 100

52 81.4 40.8 122.2

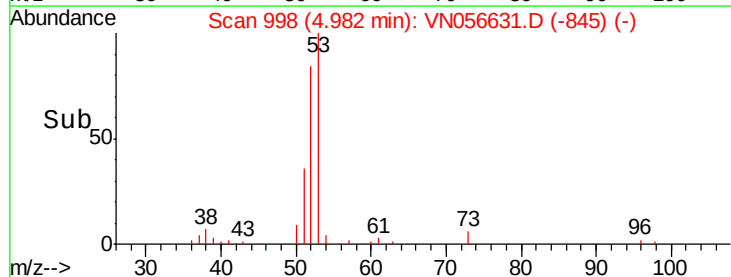
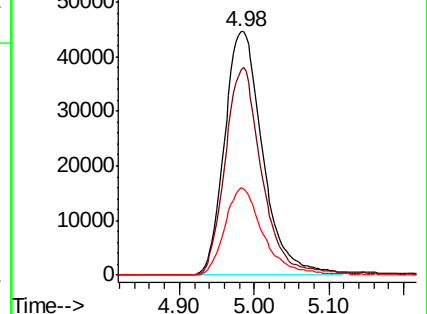
51 35.1 17.3 52.0

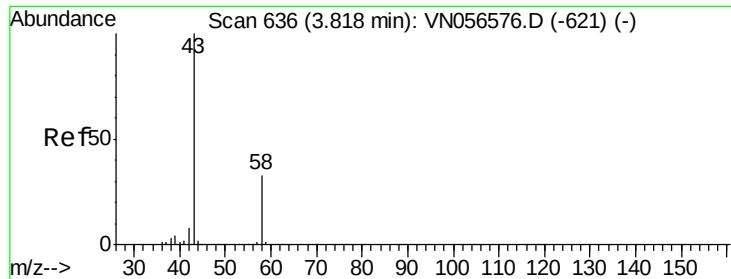


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 100.650 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

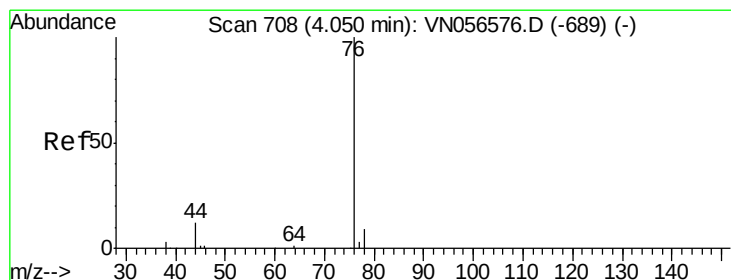
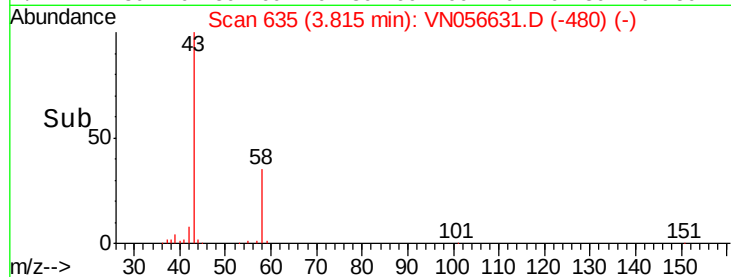
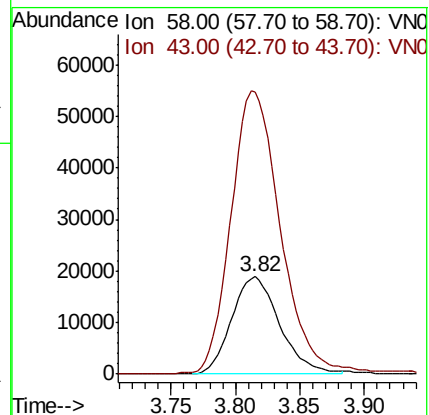
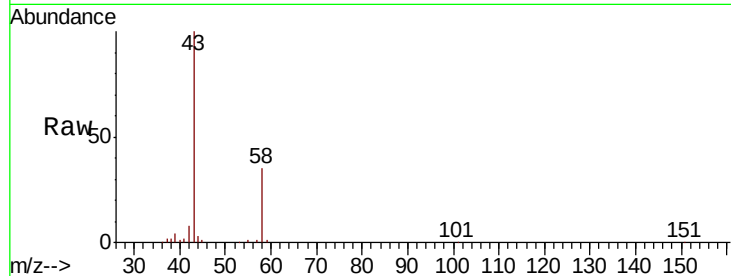
VSTDCCC020EC

Tot Ion: 58 Resp: 49016

Ion Ratio Lower Upper

58 100

43 286.9 232.5 348.7



#16

Carbon Disulfide

Concen: 18.860 ug/l

RT: 4.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VN056631.D

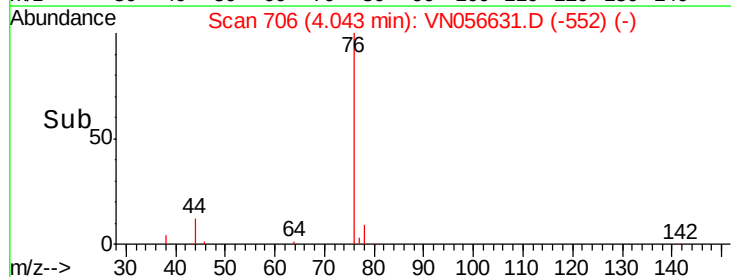
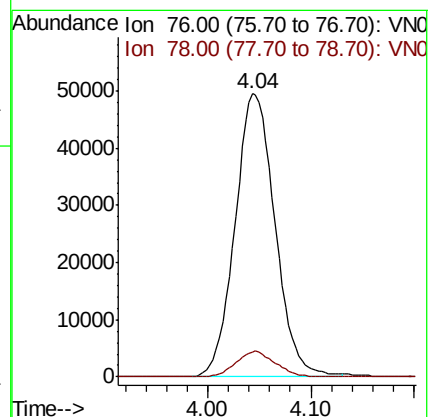
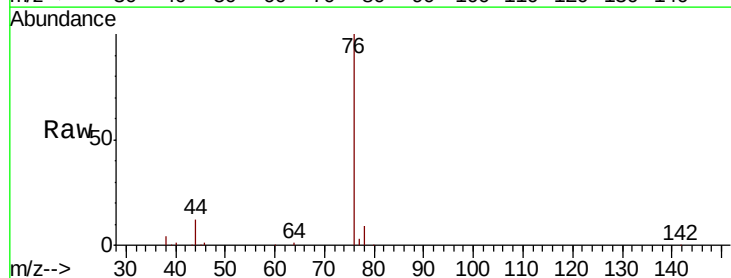
Acq: 9 Jul 2019 16:12

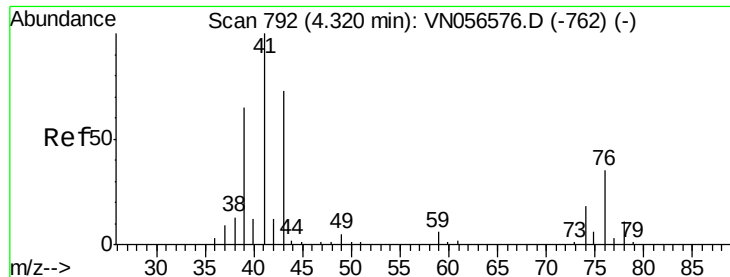
Tgt Ion: 76 Resp: 133671

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

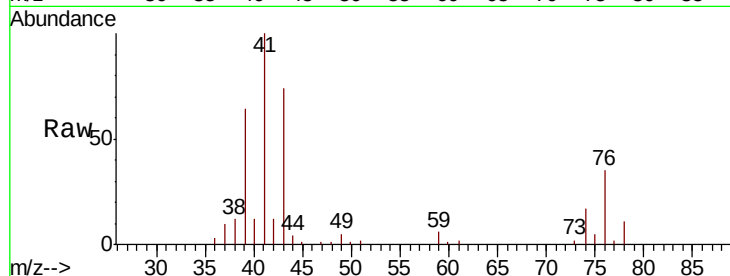




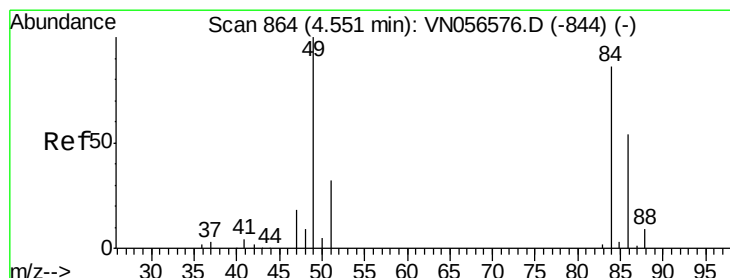
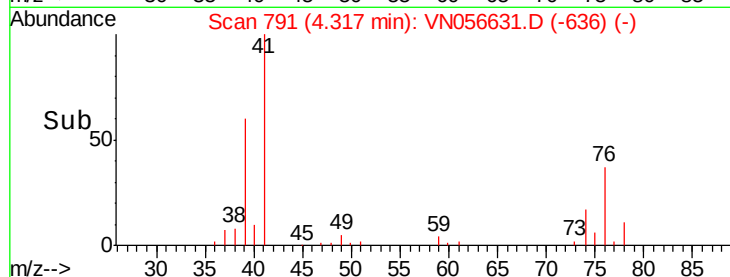
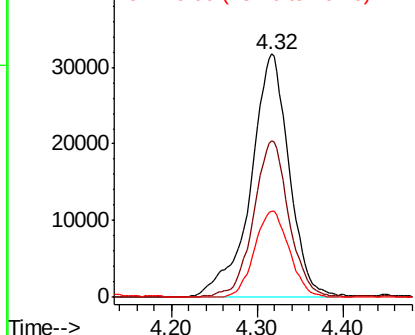
#17
Allvl chloride
Concen: 19.131 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 98684
Ion Ratio Lower Upper
41 100
39 64.2 33.0 99.0
76 35.3 18.9 56.9



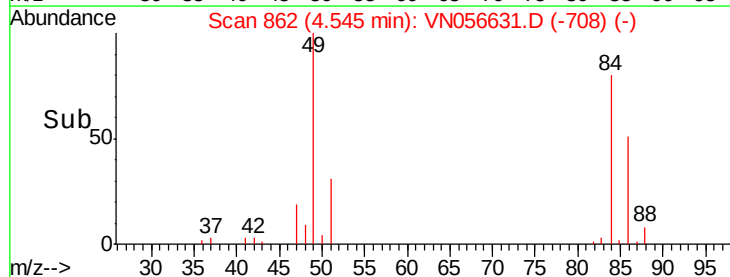
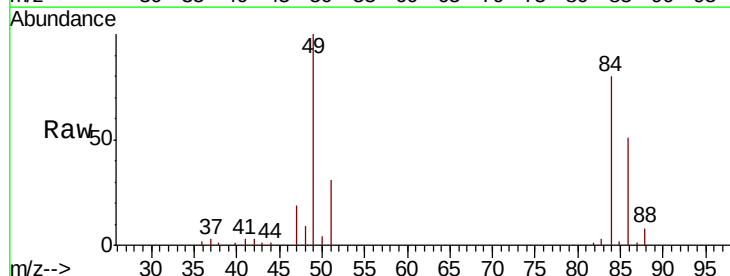
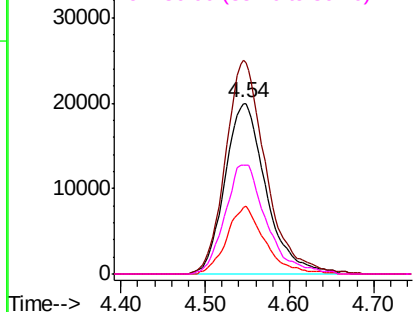
Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 76.00 (75.70 to 76.70): VNO

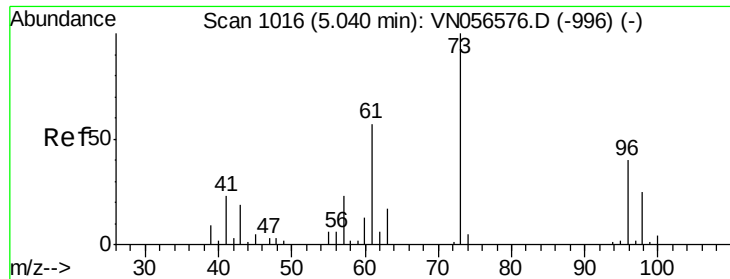


#18
Methylene Chloride
Concen: 19.419 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 84 Resp: 67674
Ion Ratio Lower Upper
84 100
49 125.2 87.6 131.4
51 39.0 27.0 40.4
86 63.9 51.2 76.8

Abundance Ion 84.00 (83.70 to 84.70): VNO
Ion 49.00 (48.70 to 49.70): VNO
Ion 51.00 (50.70 to 51.70): VNO
Ion 86.00 (85.70 to 86.70): VNO

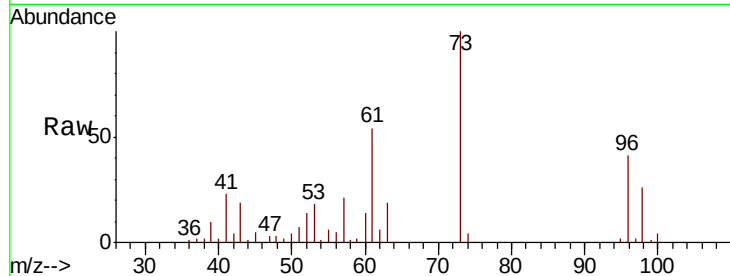




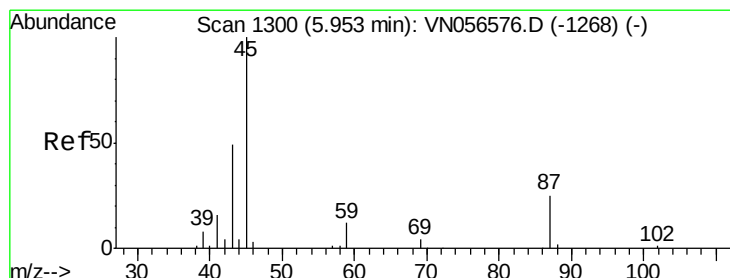
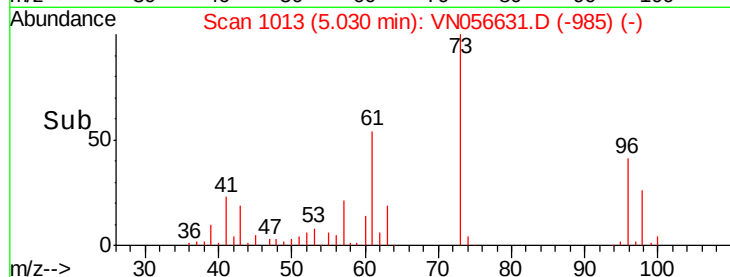
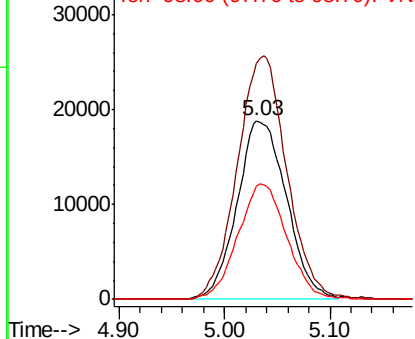
#19
trans-1,2-Dichloroethene
Concen: 19.172 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 61292
Ion Ratio Lower Upper
96 100
61 131.9 102.5 153.7
98 63.3 46.9 70.3

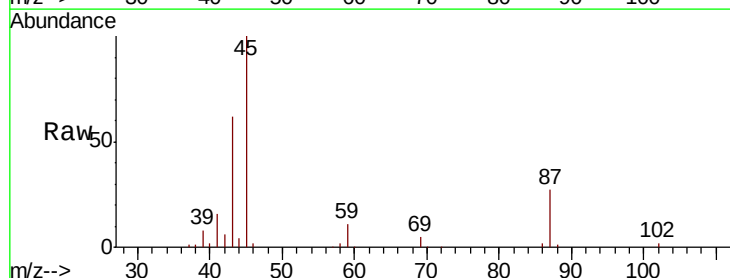


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

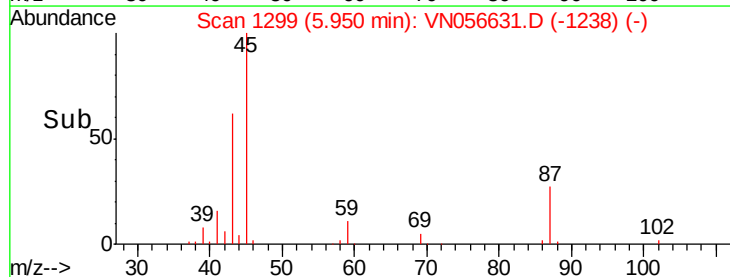
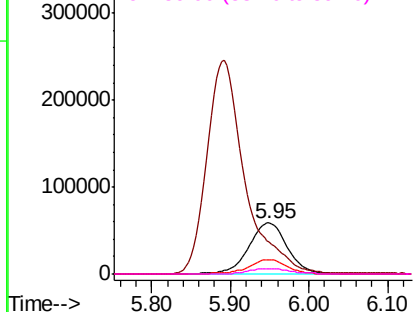


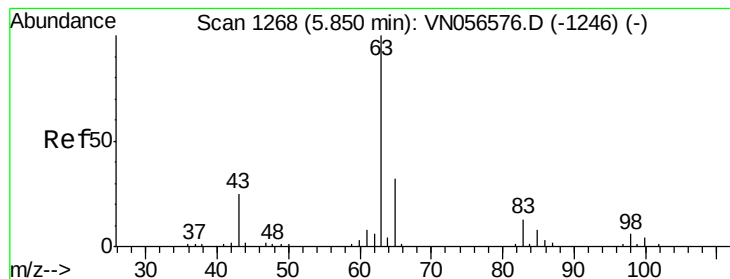
#20
Diisopropyl ether
Concen: 19.074 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 45 Resp: 203269
Ion Ratio Lower Upper
45 100
43 59.5 48.0 72.0
87 27.1 23.4 35.2
59 11.0 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: 19.216 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

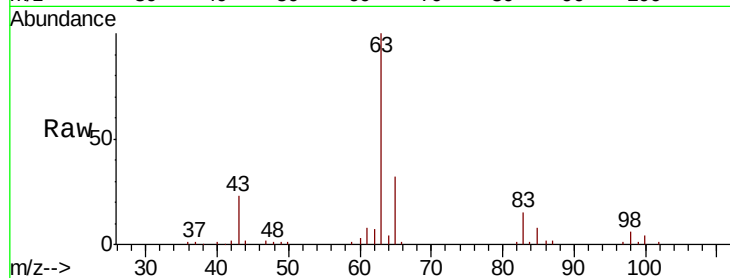
Tot Ion: 63 Resp: 115520

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.5

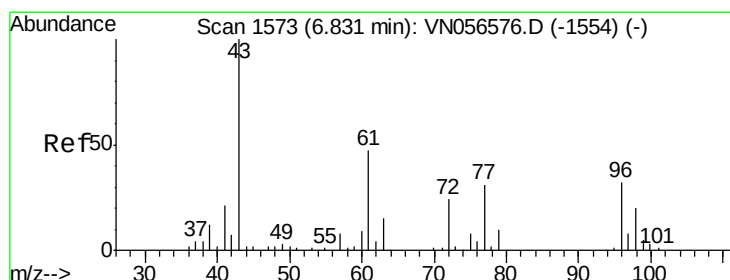
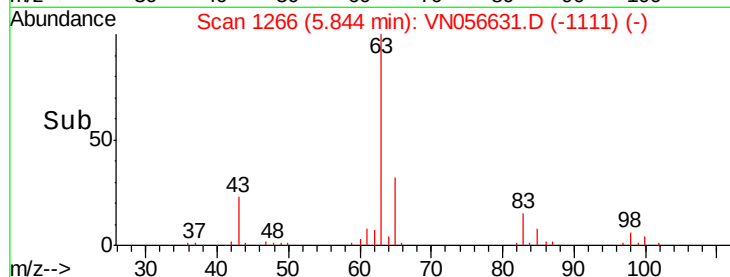
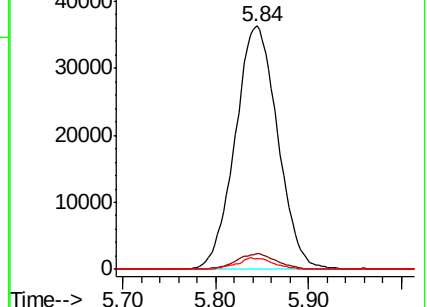
100 4.4 2.3 6.9



Abundance Ion 63.00 (62.70 to 63.70): VN056631.D (-1111) (-)

Ion 98.00 (97.70 to 98.70): VN056631.D (-1111) (-)

Ion 100.00 (99.70 to 100.70): VN056631.D (-1111) (-)



#22

cis-1,2-Dichloroethene

Concen: 18.809 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

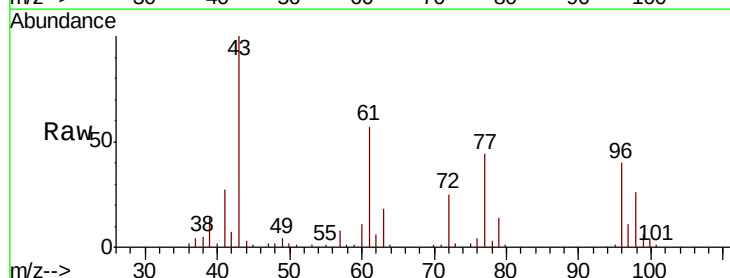
Tgt Ion: 96 Resp: 70711

Ion Ratio Lower Upper

96 100

61 143.0 105.7 158.5

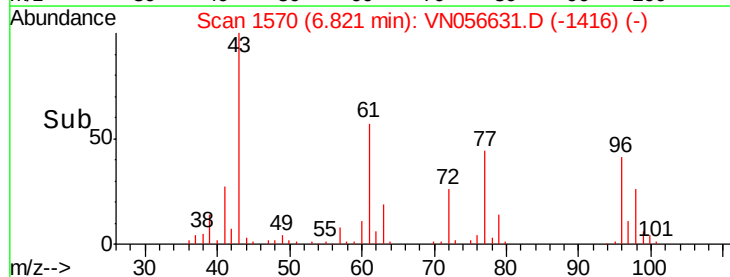
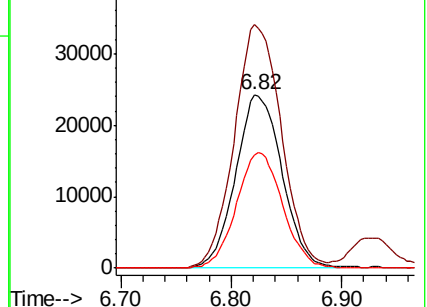
98 66.1 52.0 78.0

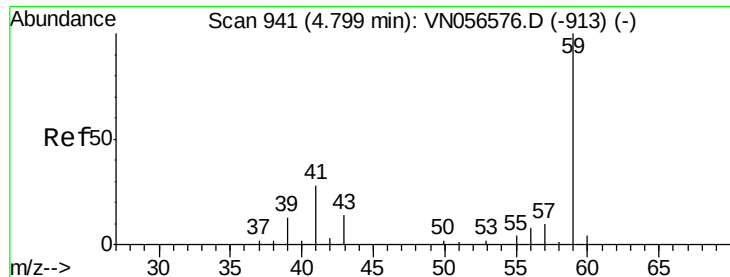


Abundance Ion 96.00 (95.70 to 96.70): VN056631.D (-1416) (-)

Ion 61.00 (60.70 to 61.70): VN056631.D (-1416) (-)

Ion 98.00 (97.70 to 98.70): VN056631.D (-1416) (-)



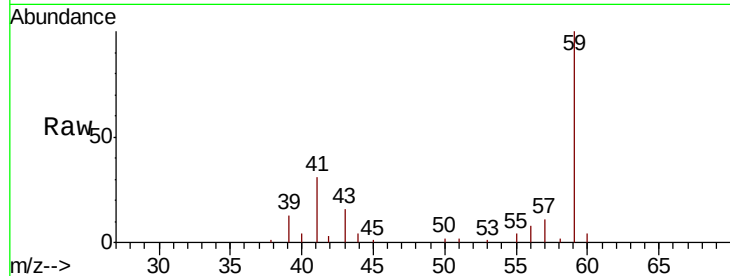


#23

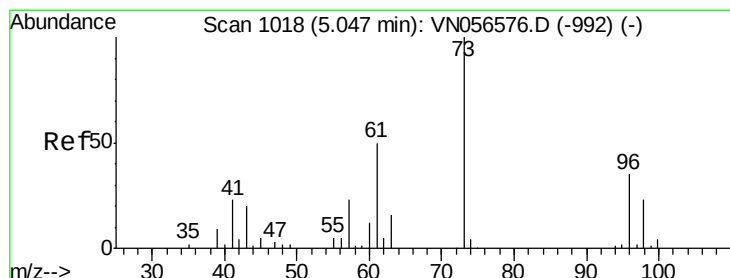
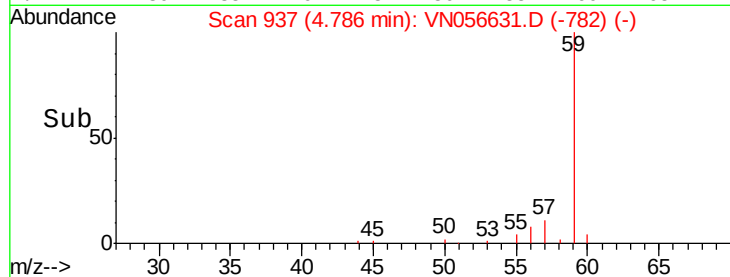
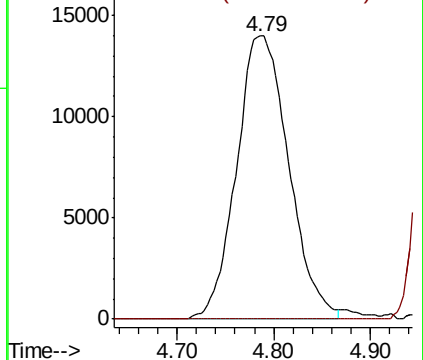
tert-Butyl Alcohol
Concen: 80.401 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 59 Resp: 52495
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



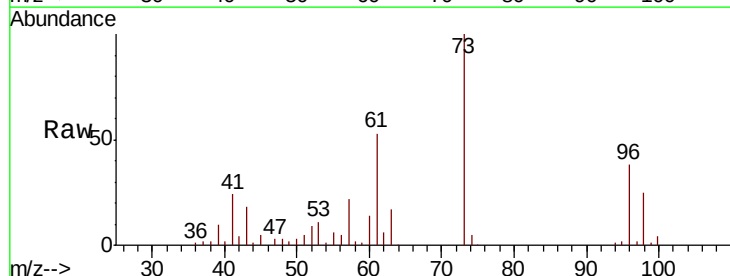
Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 52.00 (51.70 to 52.70): VN0



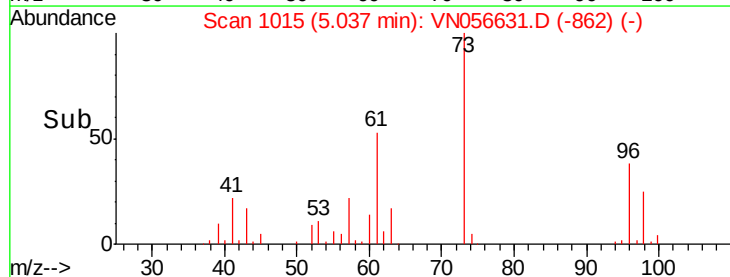
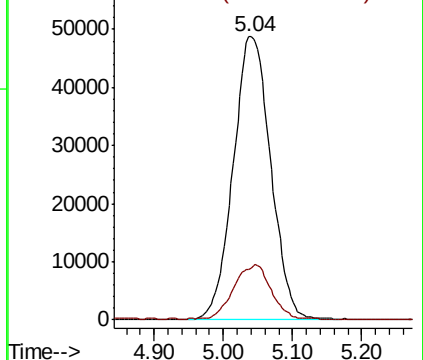
#24

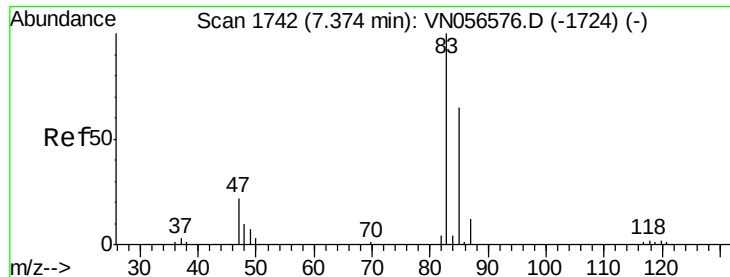
Methyl tert-Butyl Ether
Concen: 18.846 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 73 Resp: 183736
Ion Ratio Lower Upper
73 100
43 19.7 15.4 23.0



Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 43.00 (42.70 to 43.70): VN0

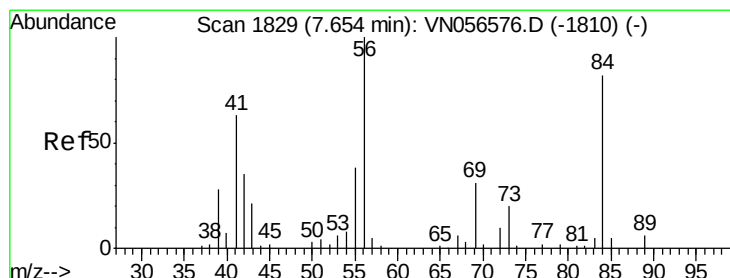
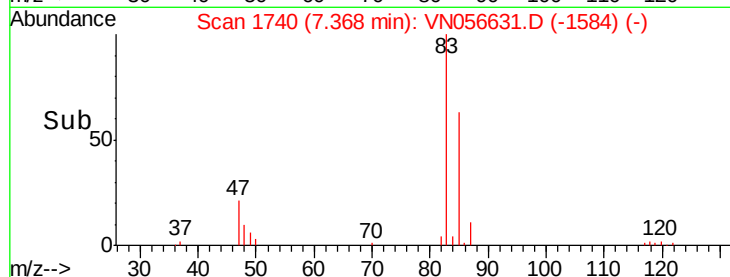
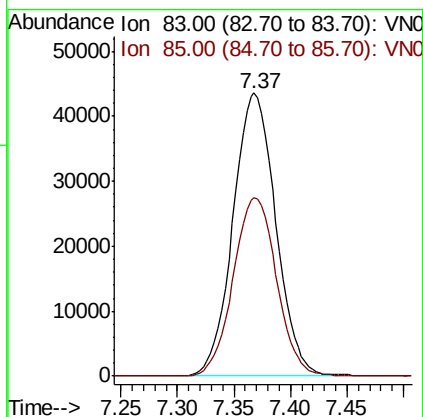
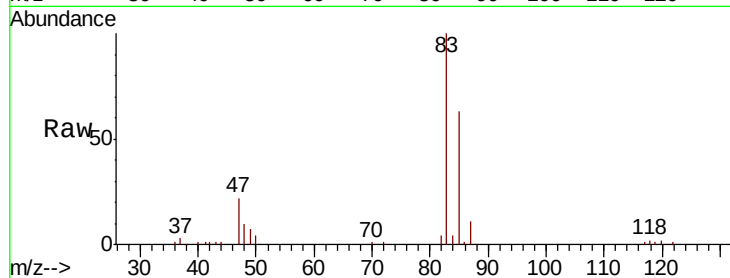




#25
Chloroform
Concen: 19.457 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

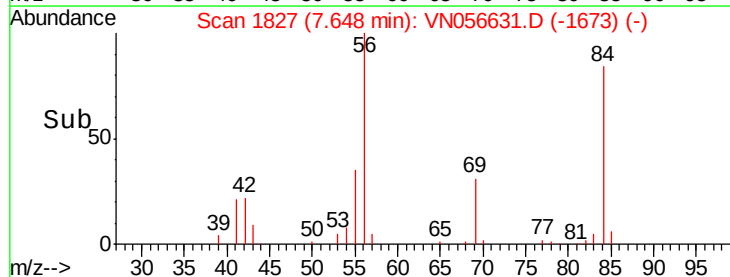
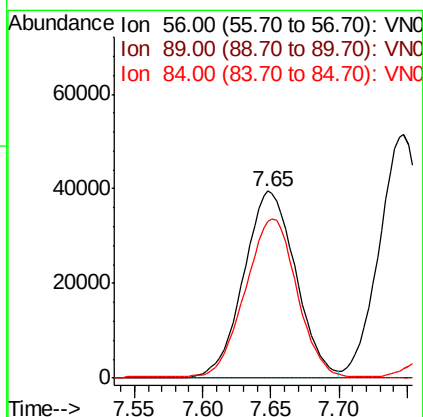
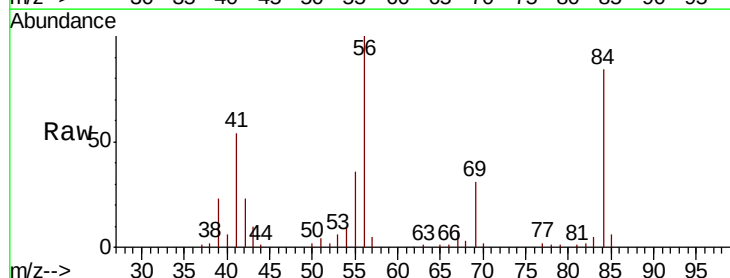
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

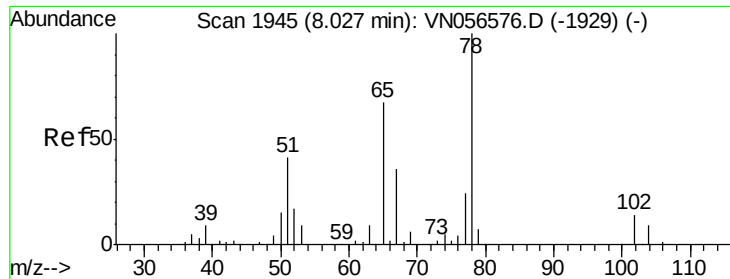
Tot Ion: 83 Resp: 114648
Ion Ratio Lower Upper
83 100
85 63.2 52.0 78.0



#26
Cyclohexane
Concen: 18.926 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 56 Resp: 104797
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 85.2 70.1 105.1

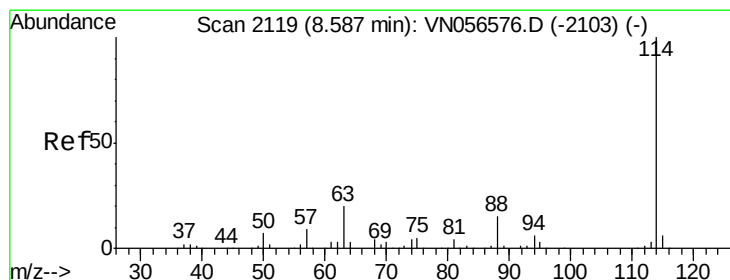
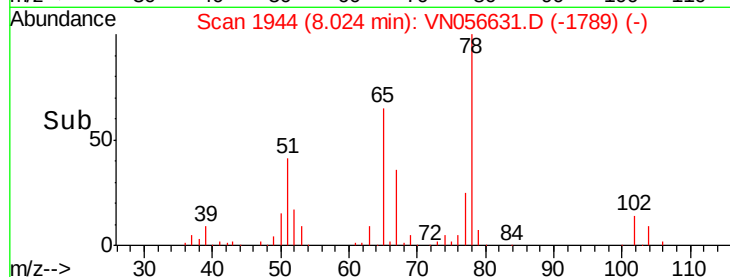
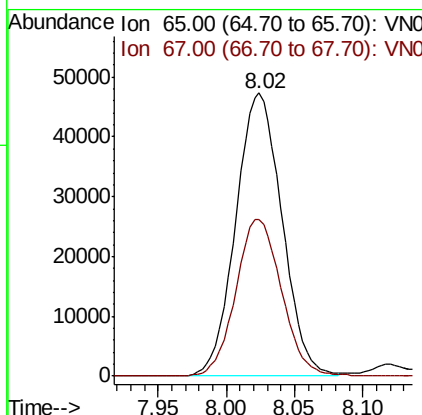
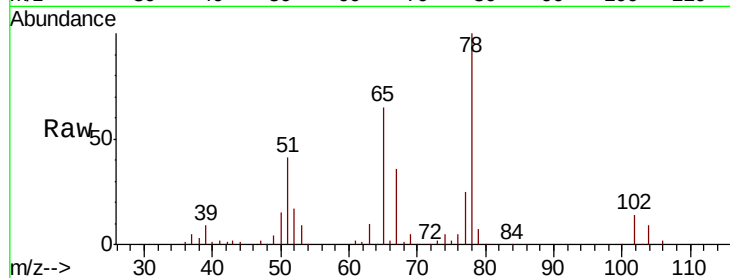




#27
 1,2-Dichloroethane-d4
 Concen: 29.935 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

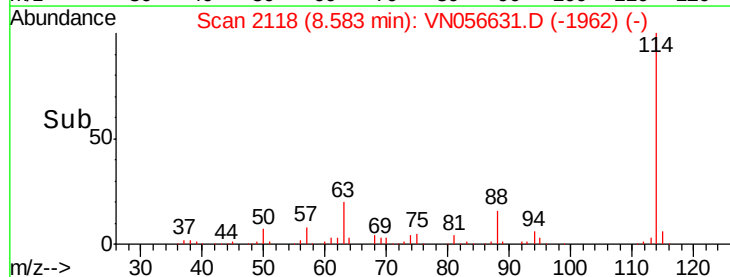
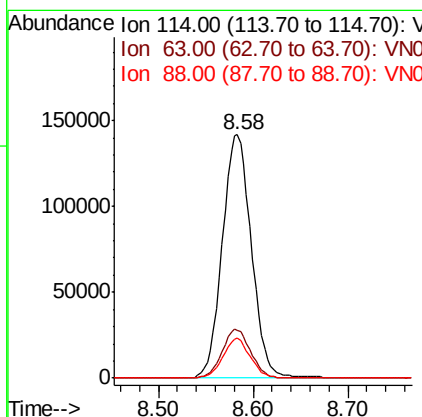
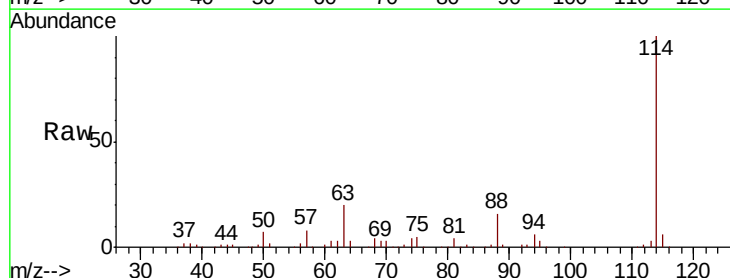
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

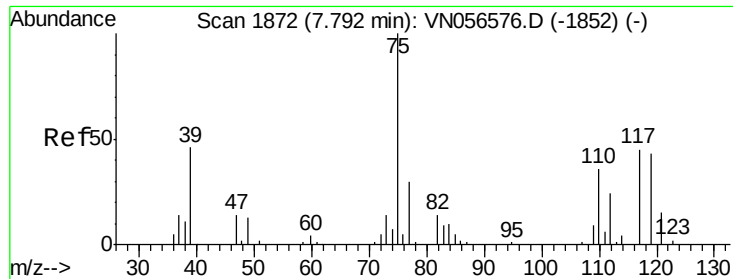
Tot Ion: 65 Resp: 111281
 Ion Ratio Lower Upper
 65 100
 67 54.8 43.4 65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion: 114 Resp: 303227
 Ion Ratio Lower Upper
 114 100
 63 19.7 14.7 22.1
 88 15.4 11.9 17.9

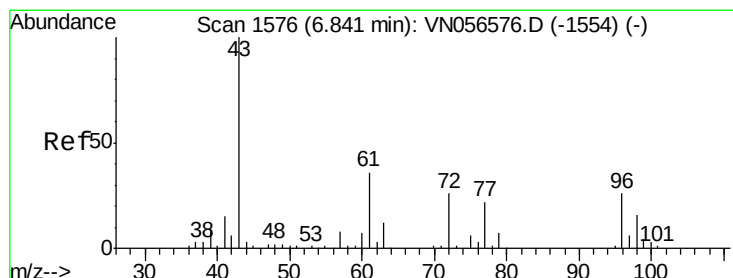
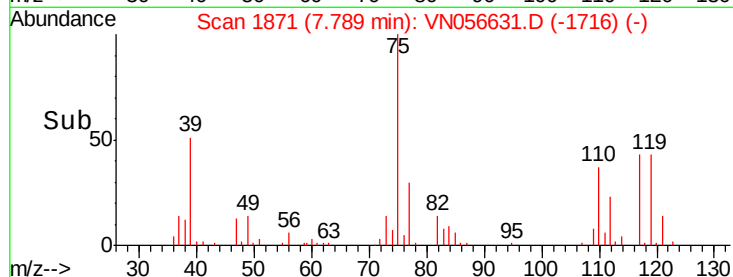
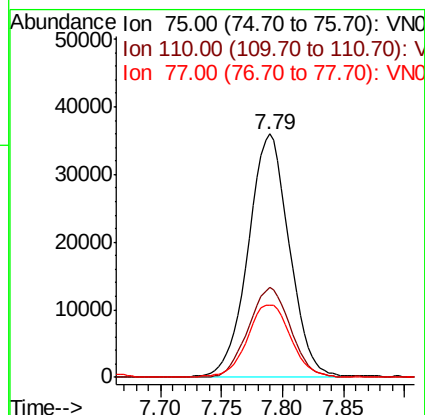
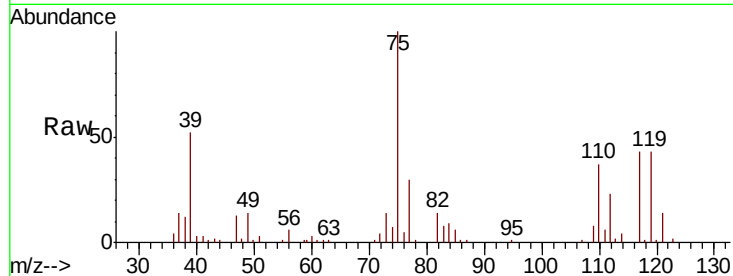




#29
 1,1-Dichloropropene
 Concen: 18.772 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

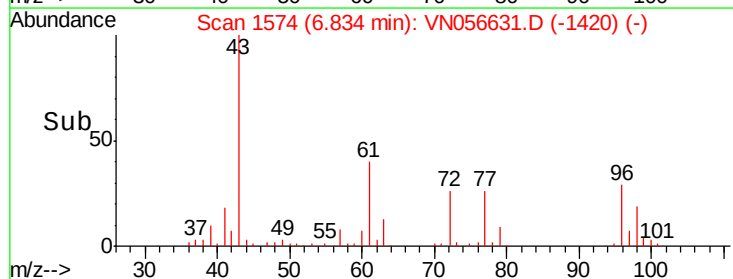
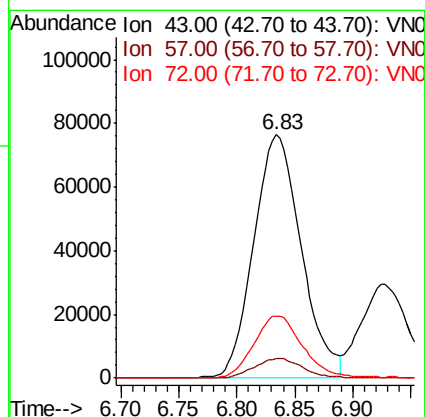
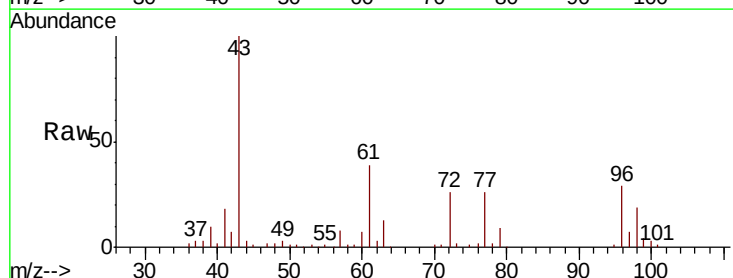
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

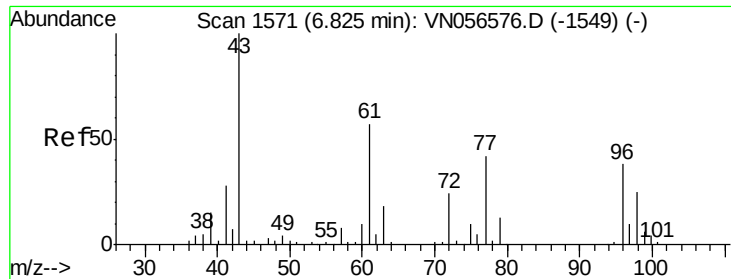
Tot Ion: 75 Resp: 84053
 Ion Ratio Lower Upper
 75 100
 110 37.5 0.0 77.0
 77 31.5 0.0 62.4



#30
 2-Butanone
 Concen: 87.547 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion: 43 Resp: 217319
 Ion Ratio Lower Upper
 43 100
 57 8.2 6.7 10.1
 72 26.1 22.4 33.6

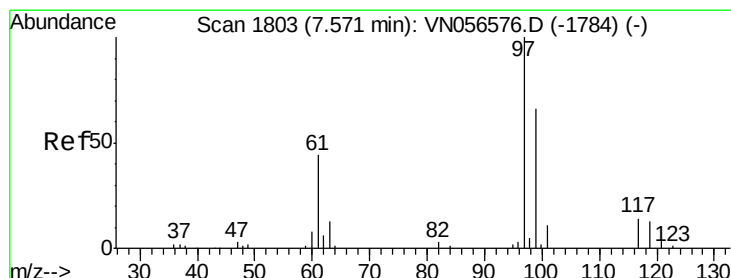
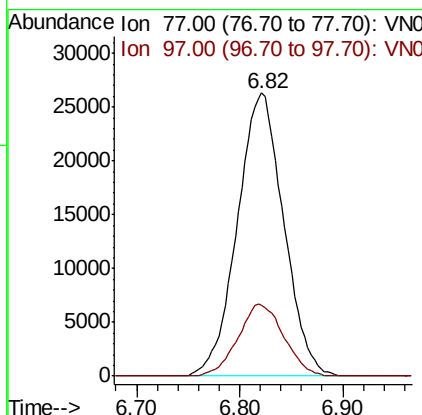
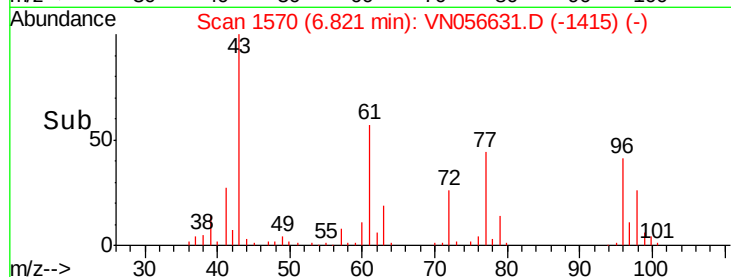
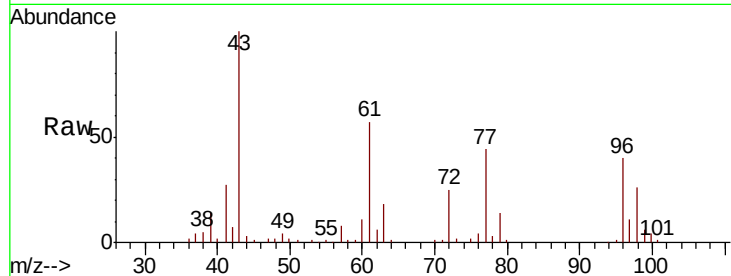




#31
 2,2-Dichloropropane
 Concen: 19.062 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

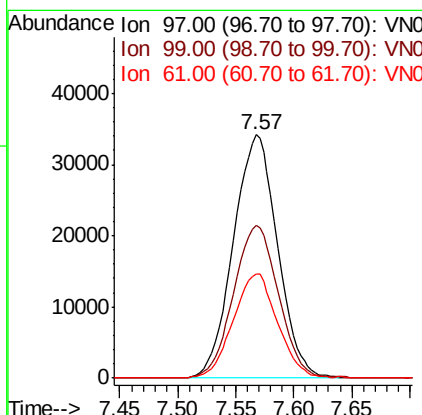
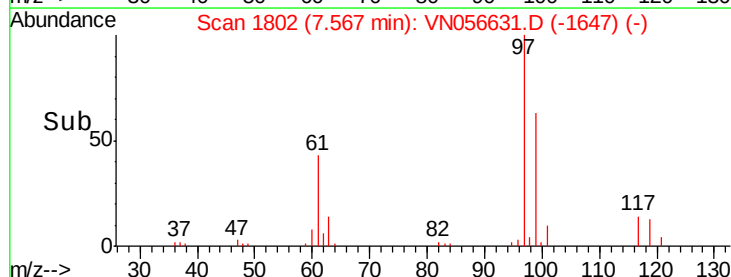
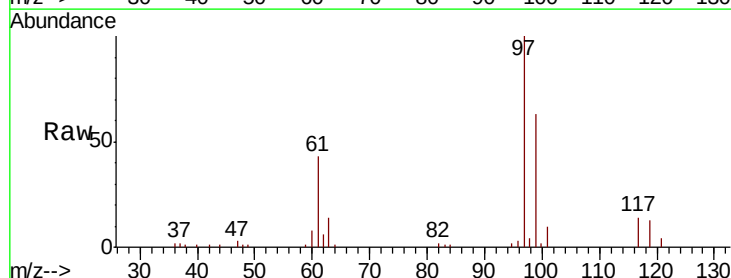
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

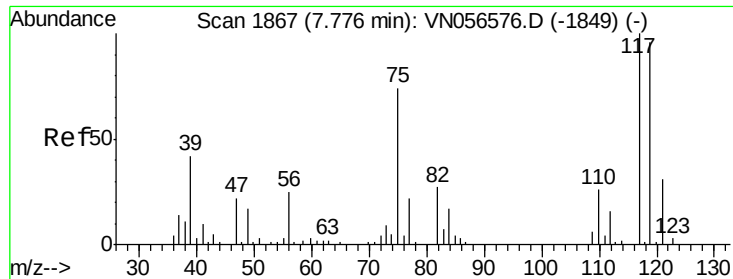
Tot Ion: 77 Resp: 82071
 Ion Ratio Lower Upper
 77 100
 97 25.0 20.8 31.2



#32
 1,1,1-Trichloroethane
 Concen: 18.995 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion: 97 Resp: 90671
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.5 77.3
 61 42.9 32.9 49.3

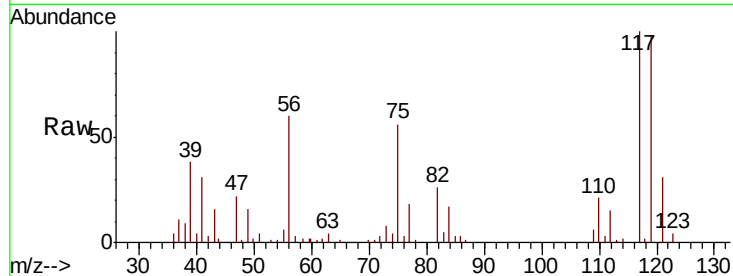




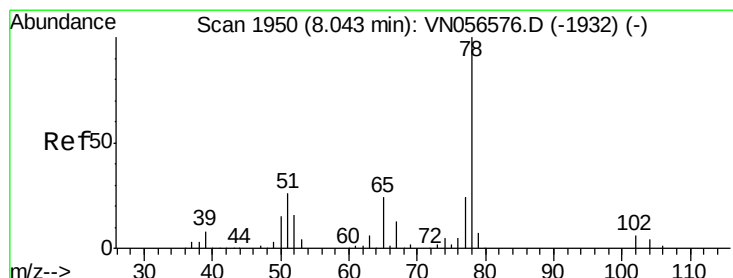
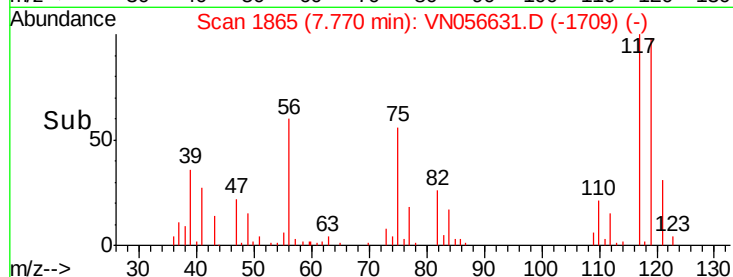
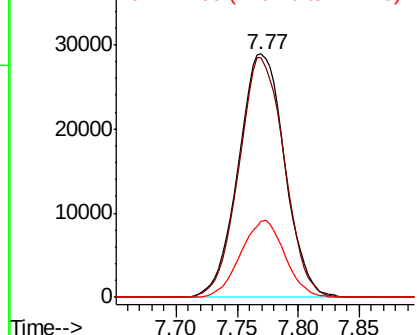
#33
Carbon Tetrachloride
Concen: 18.767 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 75940
Ion Ratio Lower Upper
117 100
119 98.4 77.3 115.9
121 31.0 25.0 37.4

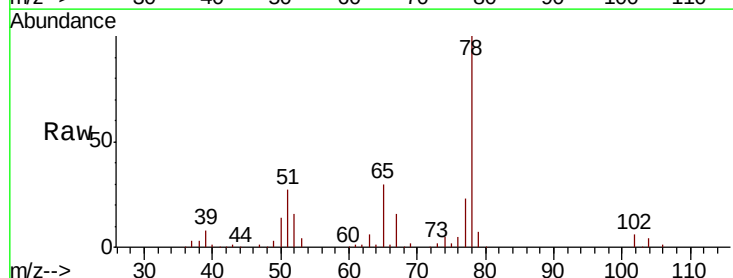


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

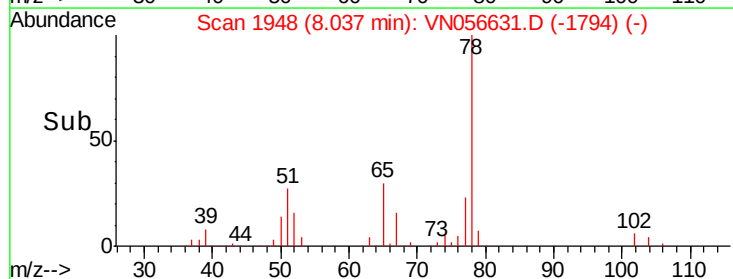
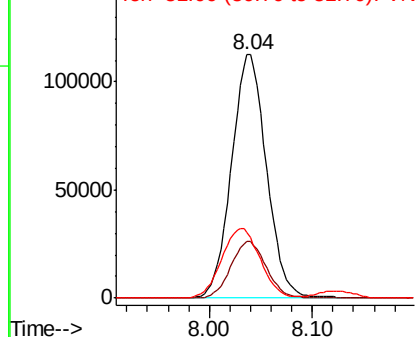


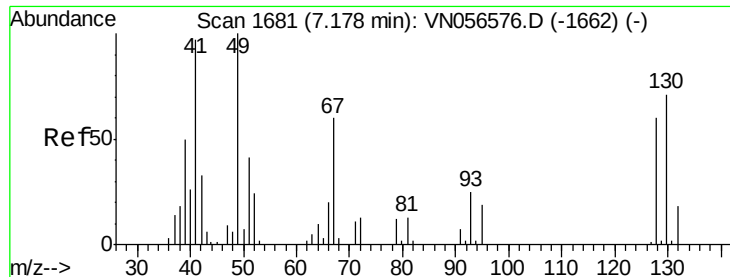
#34
Benzene
Concen: 18.993 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 78 Resp: 265937
Ion Ratio Lower Upper
78 100
77 23.1 19.3 28.9
51 26.9 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

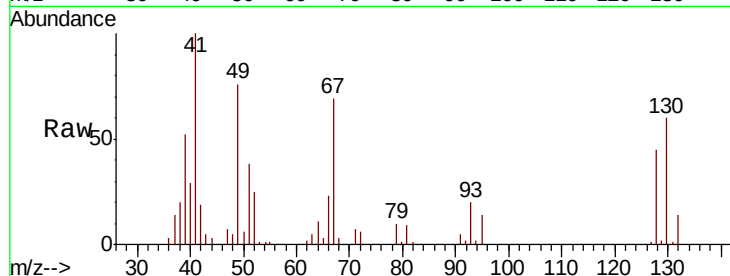




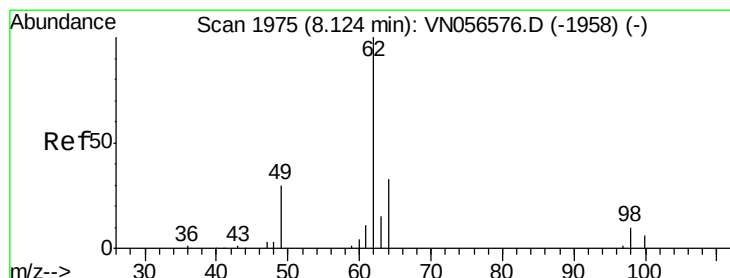
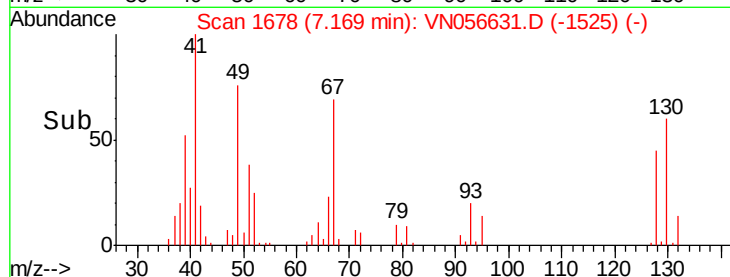
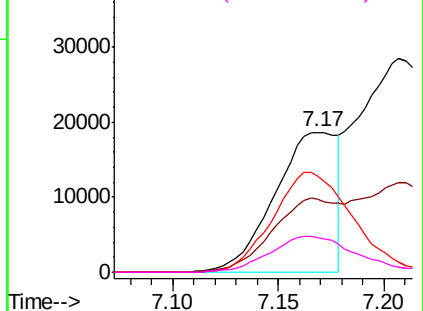
#35
Methacrylonitrile
Concen: 17.479 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	38532
Ion	Ratio	Lower	Upper
41	100		
39	51.9	24.8	74.3
67	69.1	34.3	102.9
52	24.8	12.6	37.8

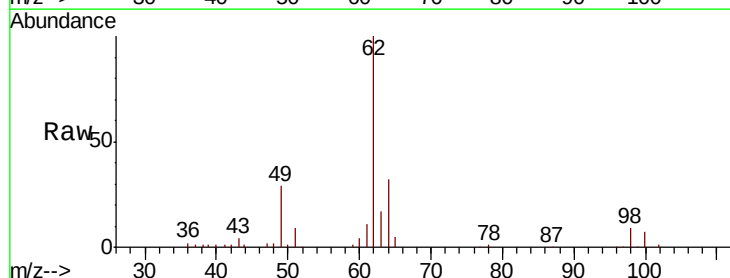


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

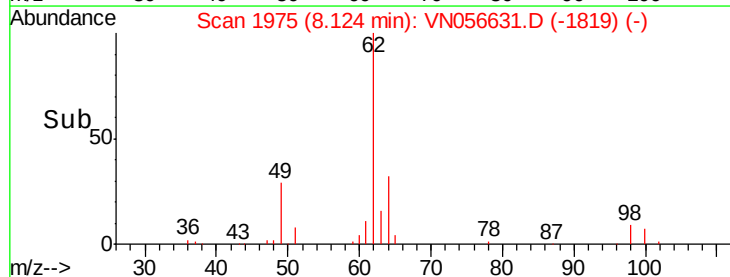
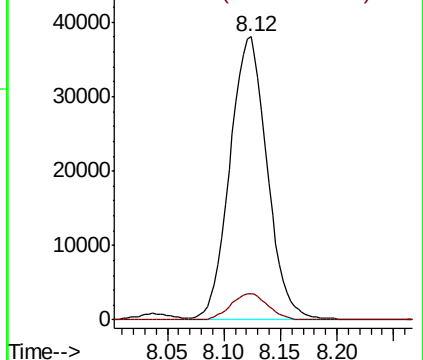


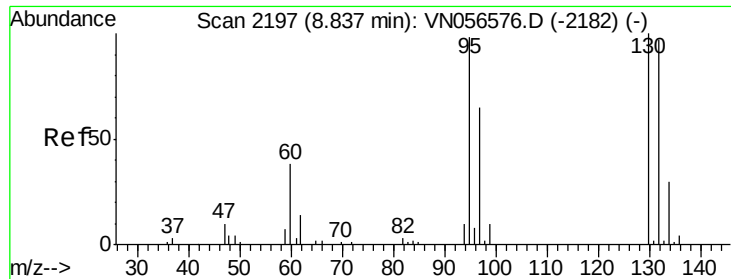
#36
1,2-Dichloroethane
Concen: 19.237 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion:	62	Resp:	87545
Ion	Ratio	Lower	Upper
62	100		
98	9.2	8.6	13.0



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

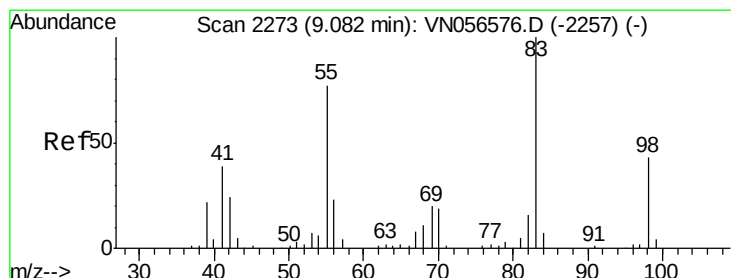
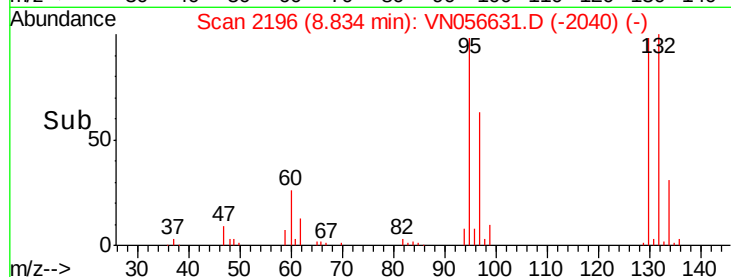
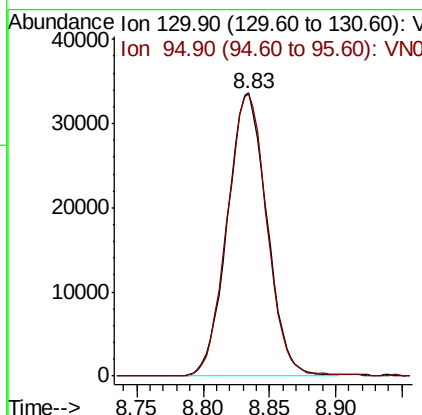
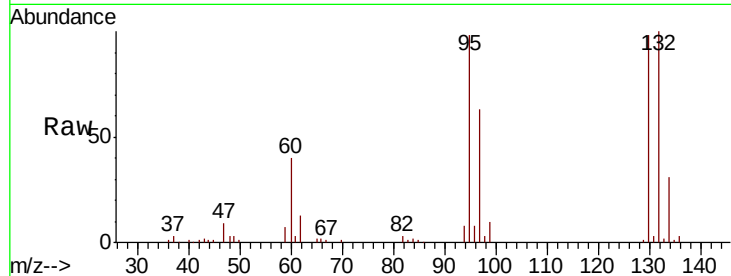




#37
 Trichloroethene
 Concen: 19.104 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

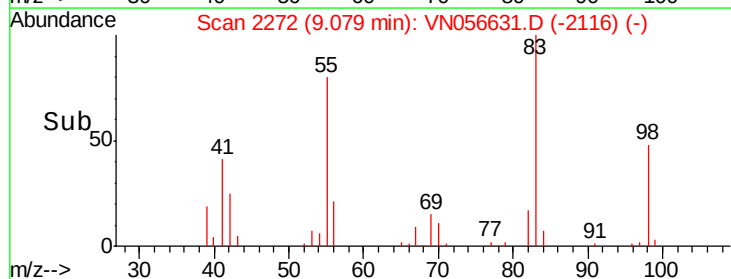
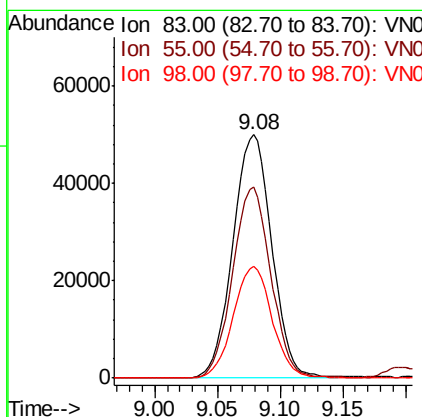
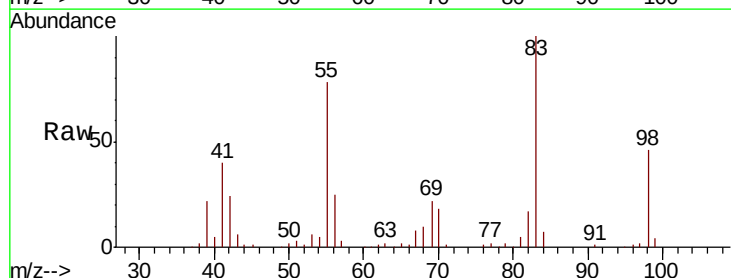
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

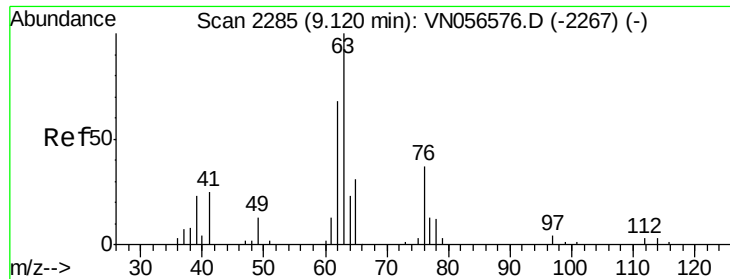
Tot Ion:130 Resp: 69763
 Ion Ratio Lower Upper
 130 100
 95 99.3 73.0 109.6



#38
 Methylcyclohexane
 Concen: 19.267 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion: 83 Resp: 108119
 Ion Ratio Lower Upper
 83 100
 55 76.7 37.5 112.7
 98 45.7 23.1 69.3





#39

1,2-Dichloropropane

Concen: 19.136 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

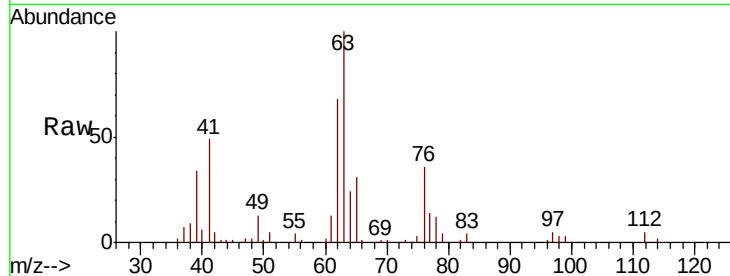
VSTDCCC020EC

Tot Ion: 63 Resp: 72126

Ion Ratio Lower Upper

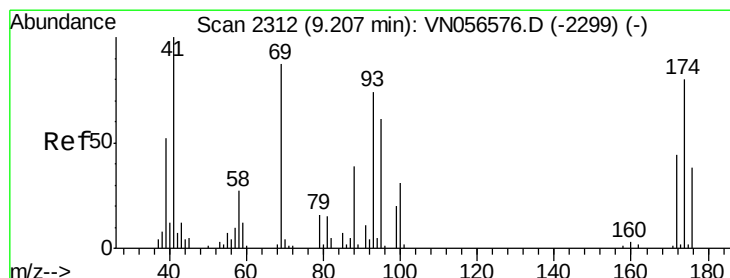
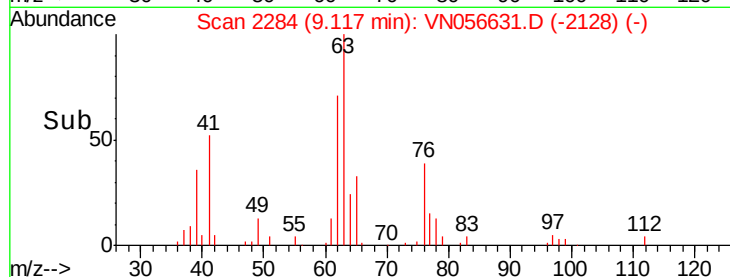
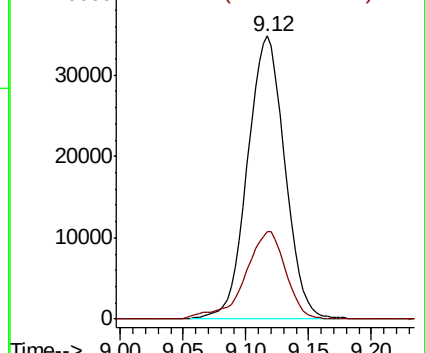
63 100

65 31.0 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: 18.913 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

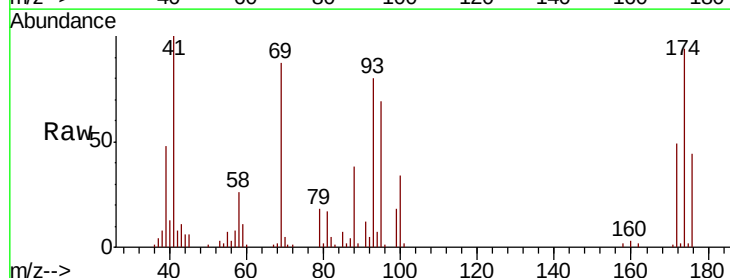
Tgt Ion: 93 Resp: 44065

Ion Ratio Lower Upper

93 100

95 85.6 0.0 169.0

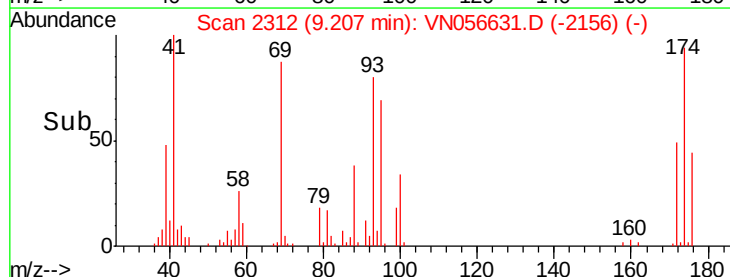
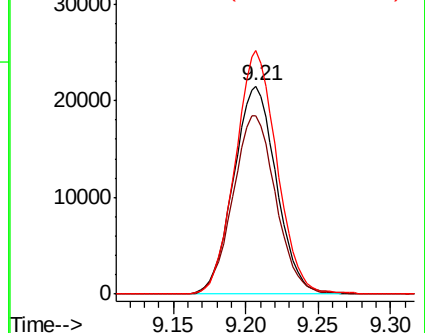
174 113.8 0.0 246.4

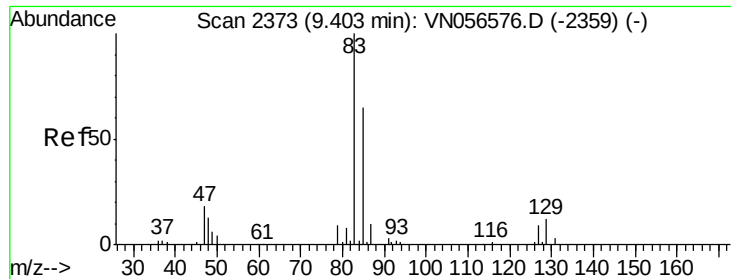


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 19.223 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

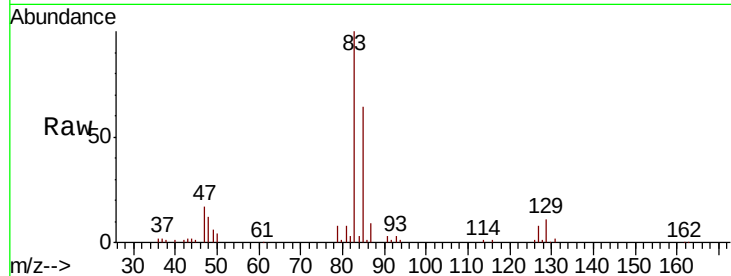
Tot Ion: 83 Resp: 83008

Ion Ratio Lower Upper

83 100

85 63.6 51.8 77.6

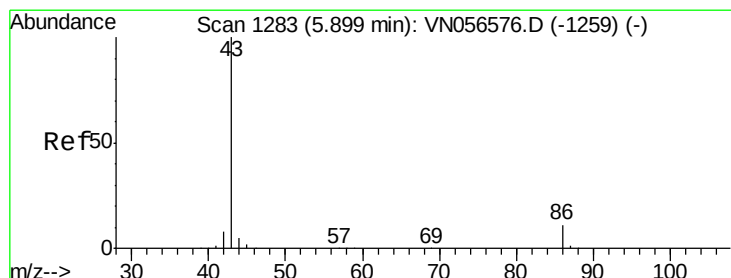
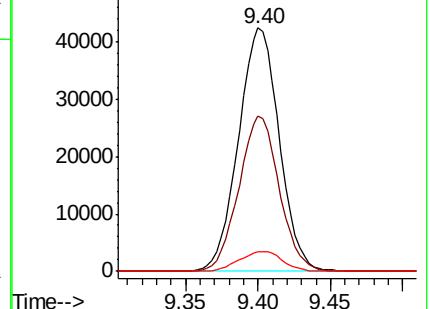
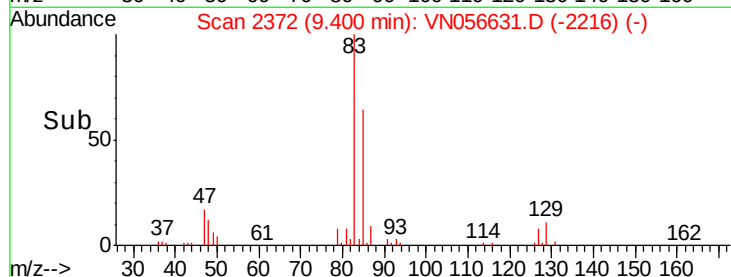
127 8.1 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VN056631.D (-2216) (-)

Ion 85.00 (84.70 to 85.70): VN056631.D (-2216) (-)

Ion 127.00 (126.70 to 127.70): VN056631.D (-2216) (-)



#42

Vinyl Acetate

Concen: 93.045 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN056631.D

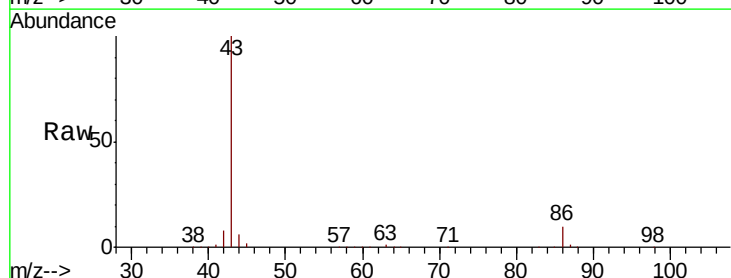
Acq: 9 Jul 2019 16:12

Tgt Ion: 43 Resp: 822390

Ion Ratio Lower Upper

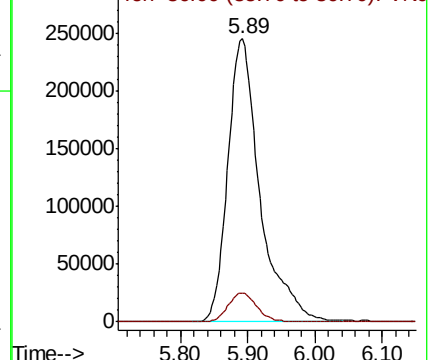
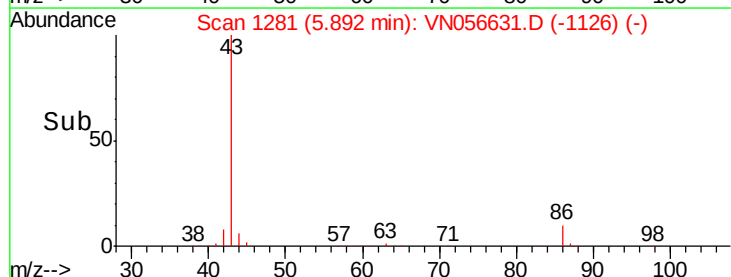
43 100

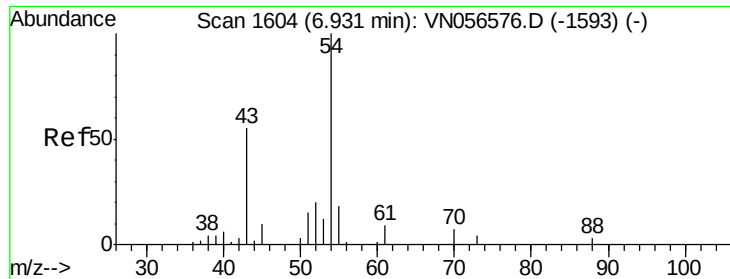
86 9.1 7.9 11.9



Abundance Ion 43.00 (42.70 to 43.70): VN056631.D (-1126) (-)

Ion 86.00 (85.70 to 86.70): VN056631.D (-1126) (-)





#43

Ethyl Acetate

Concen: 17.830 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

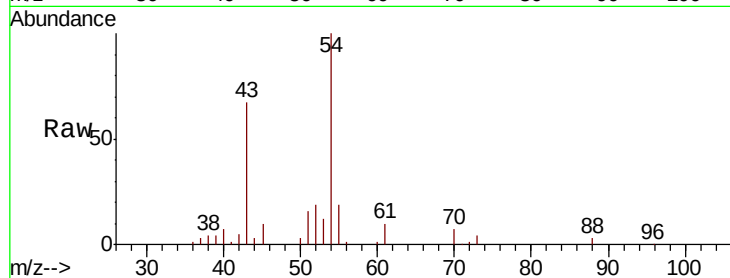
VSTDCCC020EC

Tot Ion: 43 Resp: 85616

Ion Ratio Lower Upper

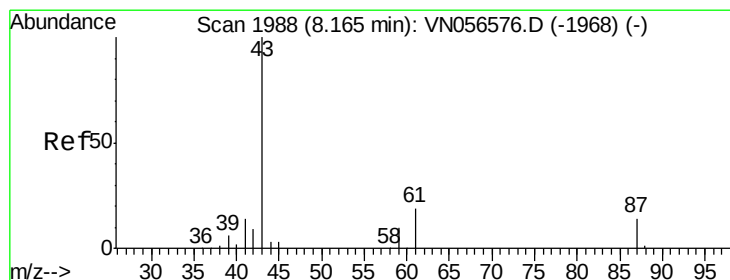
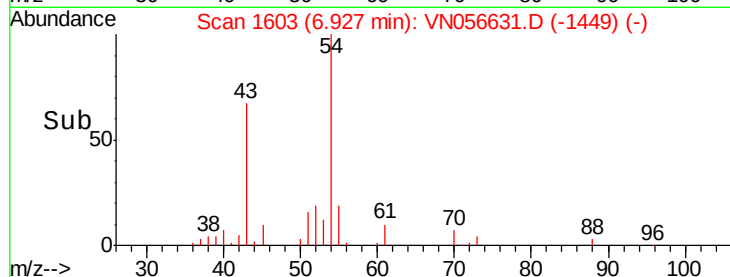
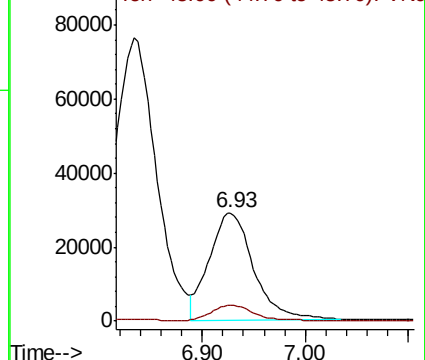
43 100

45 14.4 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: 17.658 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN056631.D

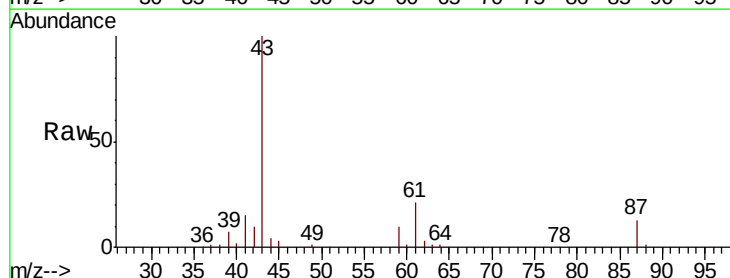
Acq: 9 Jul 2019 16:12

Tgt Ion: 43 Resp: 132288

Ion Ratio Lower Upper

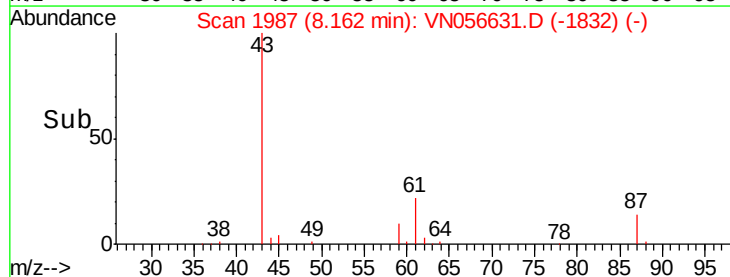
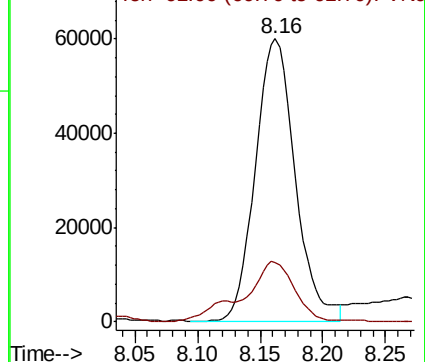
43 100

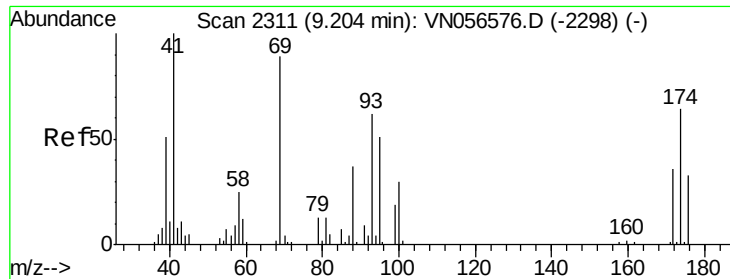
61 20.2 16.9 25.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

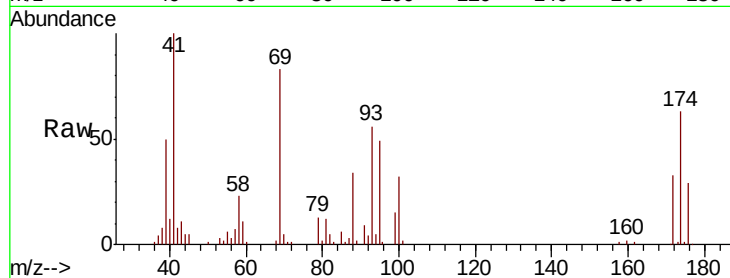




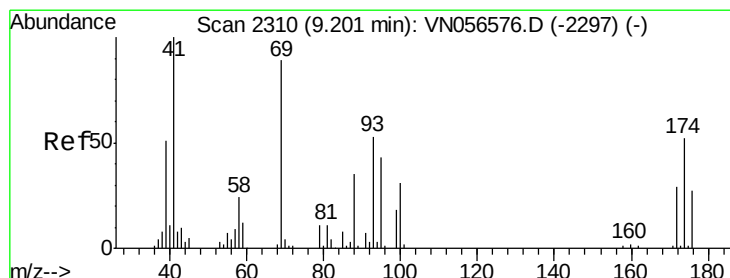
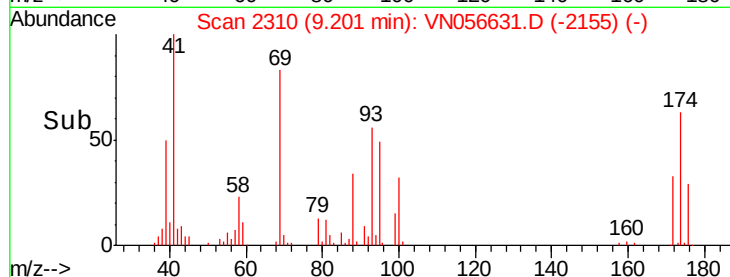
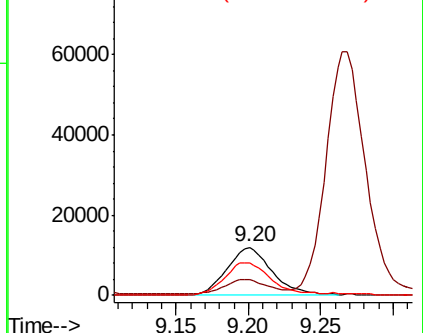
#45
 1,4-Dioxane
 Concen: 354.480 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 88 Resp: 25985
 Ion Ratio Lower Upper
 88 100
 43 29.1 19.8 29.6
 58 69.2 48.5 72.7

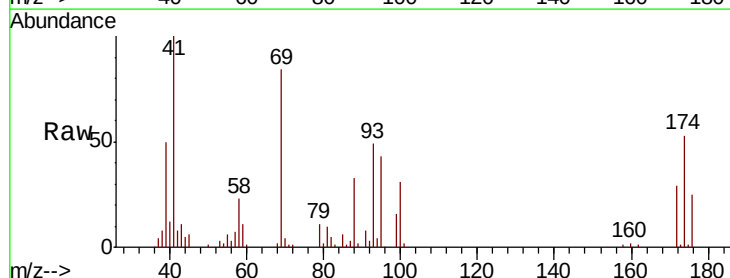


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

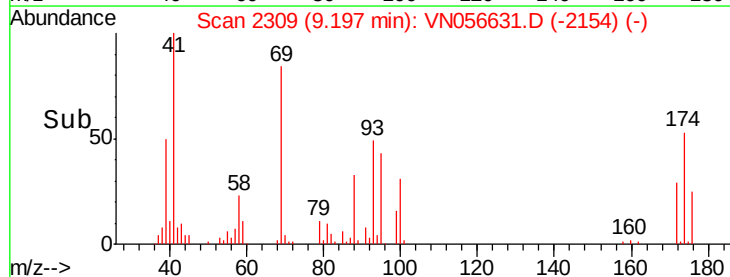
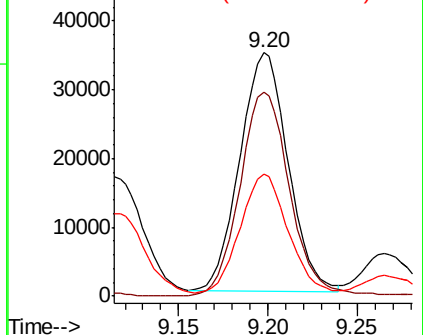


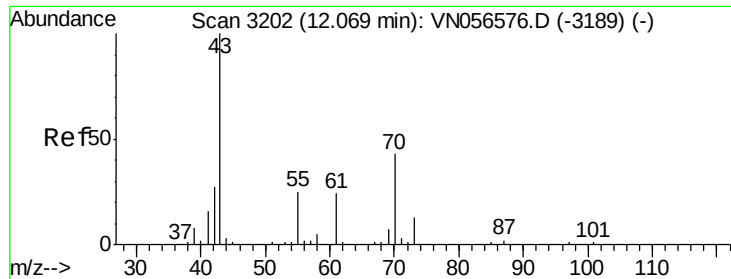
#46
 Methyl methacrylate
 Concen: 17.803 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion: 41 Resp: 65535
 Ion Ratio Lower Upper
 41 100
 69 85.8 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-amvl Acetate

Concen: 17.265 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

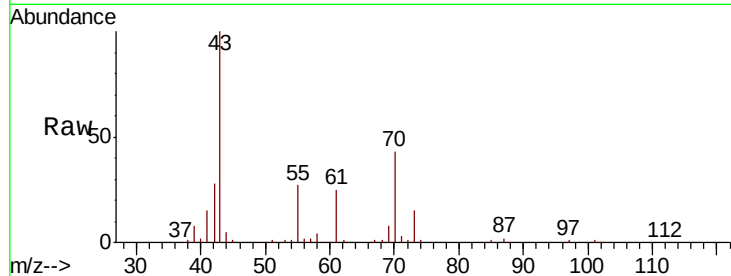
VSTDCCC020EC

Tot Ion: 43 Resp: 107511

Ion Ratio Lower Upper

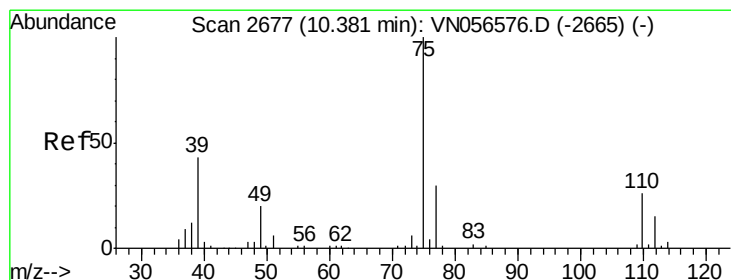
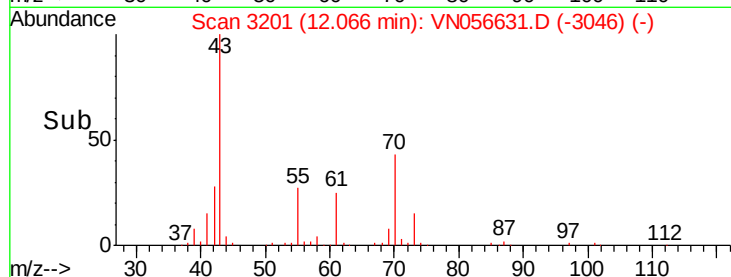
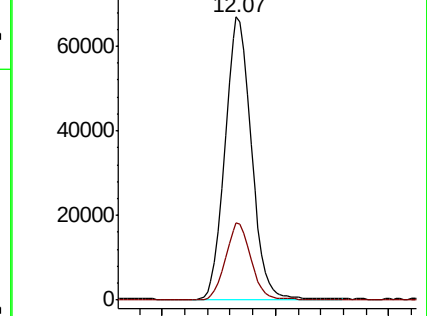
43 100

55 26.5 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: 18.553 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056631.D

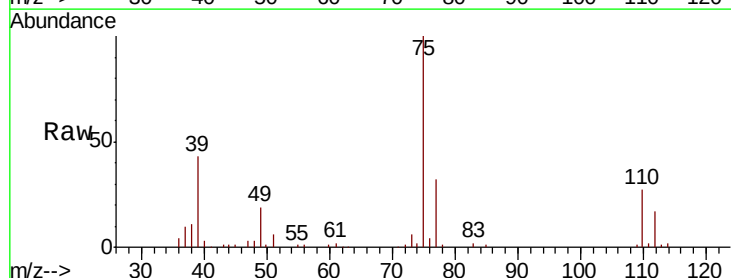
Acq: 9 Jul 2019 16:12

Tgt Ion: 75 Resp: 85865

Ion Ratio Lower Upper

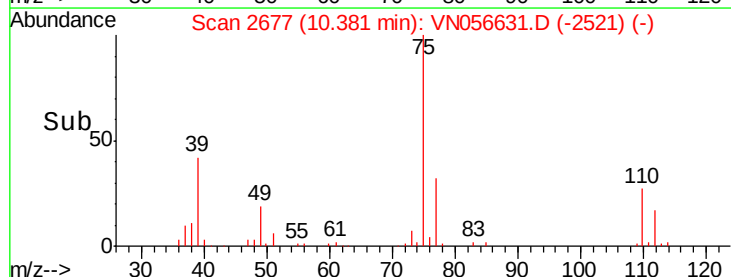
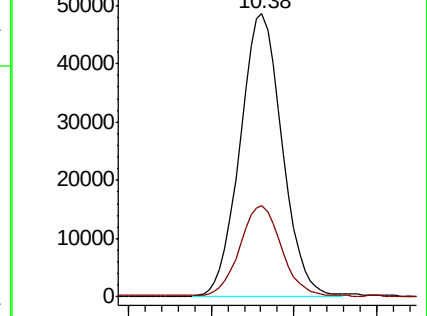
75 100

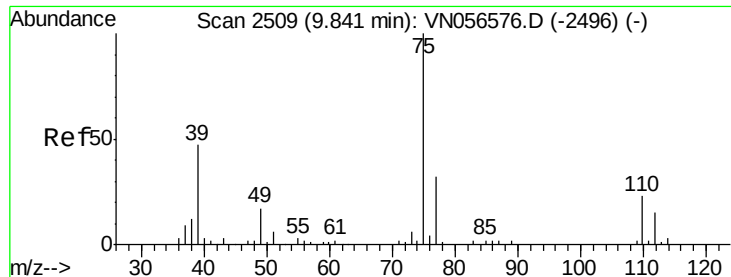
77 31.6 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



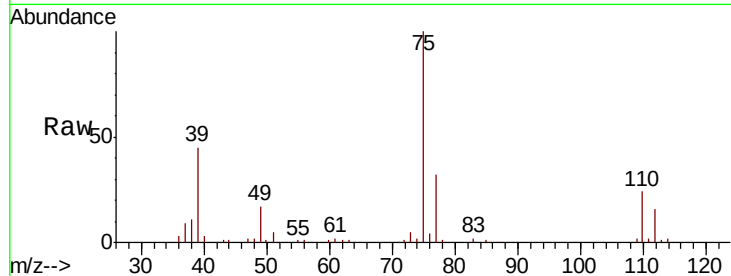


#49

cis-1,3-Dichloropropene
 Concen: 19.136 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7
39	44.6	34.3	51.5

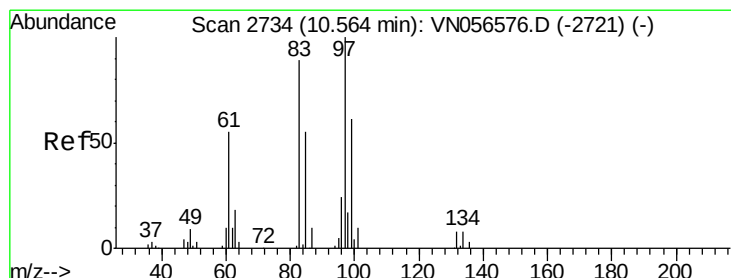
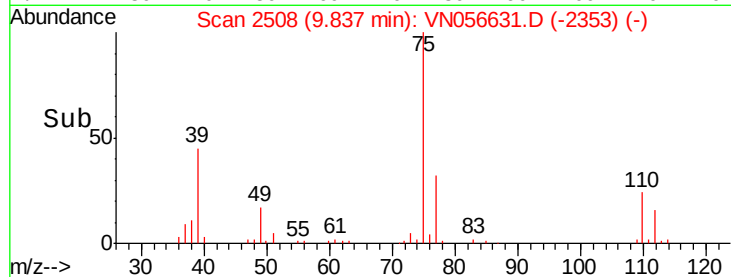
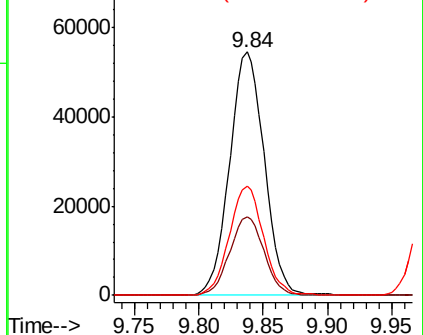


Abundance

Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

Ion 39.00 (38.70 to 39.70): VNO



#50

1,1,2-Trichloroethane
 Concen: 19.402 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.5	66.9	100.3
85	55.9	43.3	64.9
99	61.8	48.6	73.0

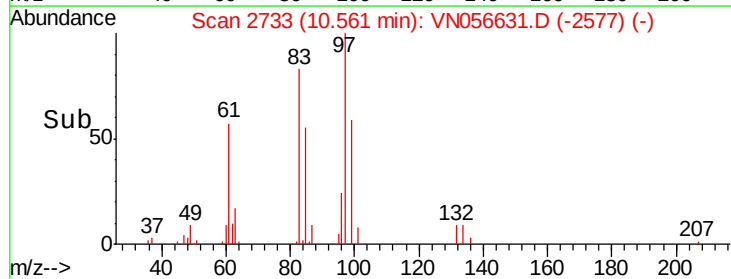
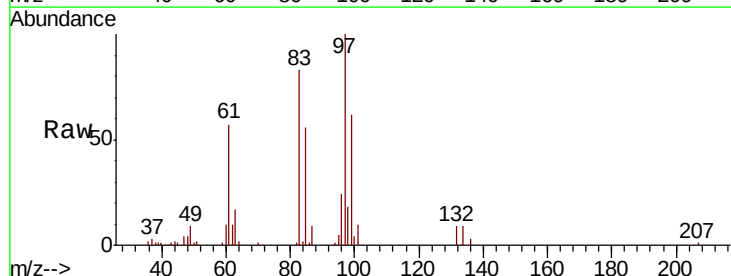
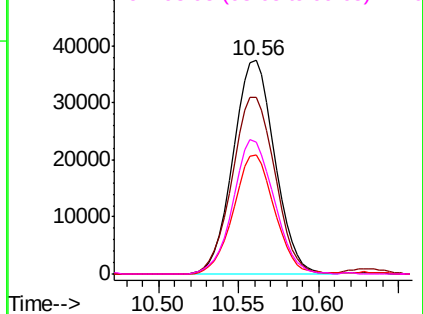
Abundance

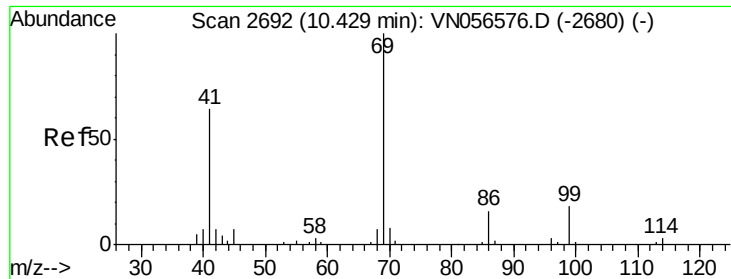
Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 17.966 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

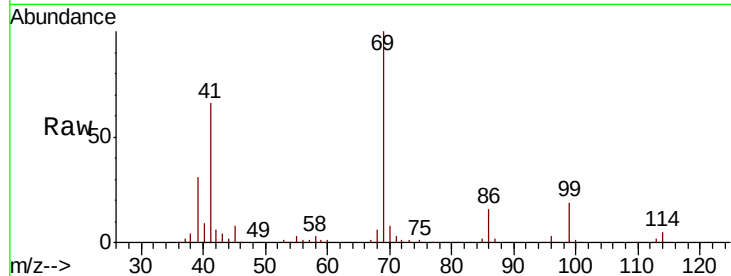
Tot Ion: 69 Resp: 97122

Ion Ratio Lower Upper

69 100

41 65.6 30.8 92.3

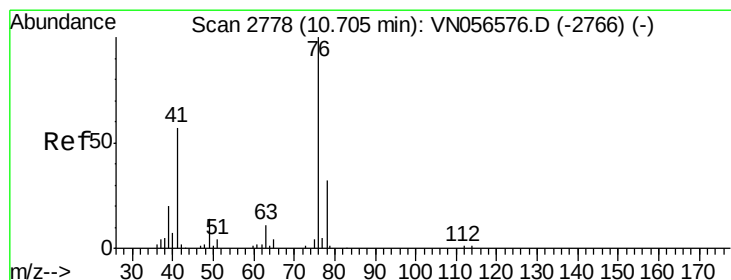
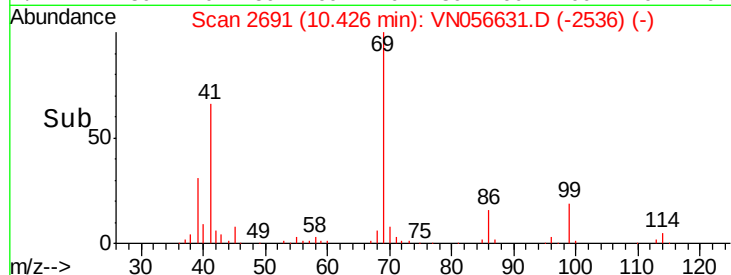
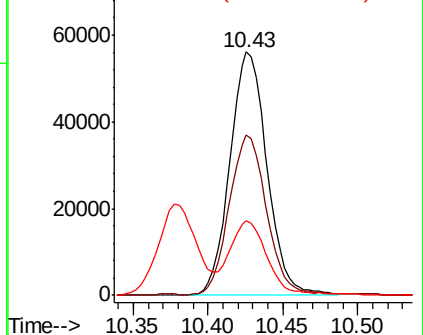
39 30.2 14.5 43.6



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 19.241 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056631.D

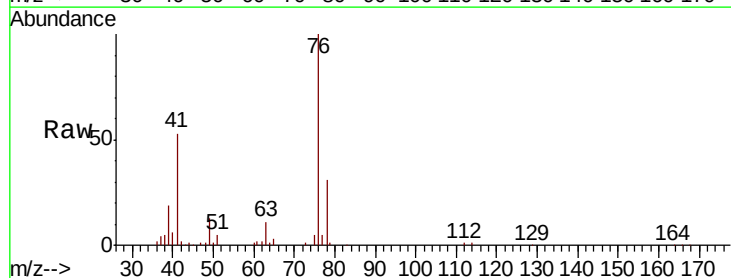
Acq: 9 Jul 2019 16:12

Tgt Ion: 76 Resp: 112226

Ion Ratio Lower Upper

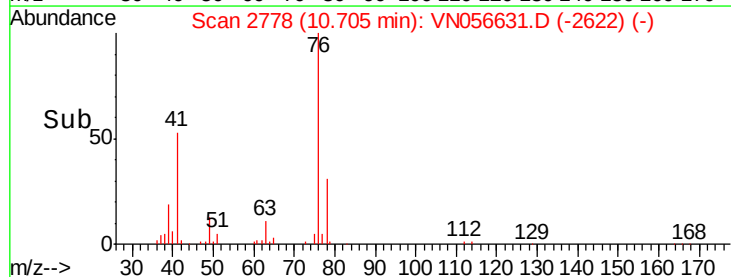
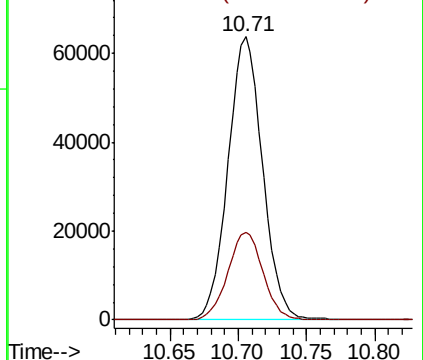
76 100

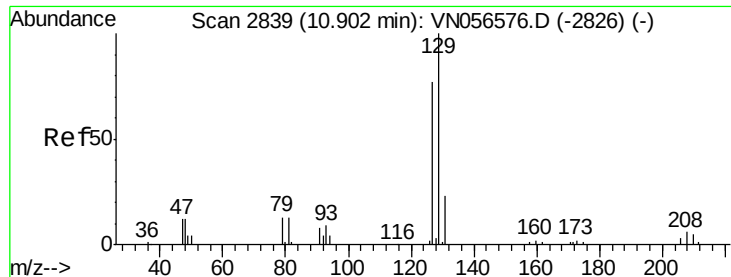
78 31.6 0.0 63.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 18.800 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

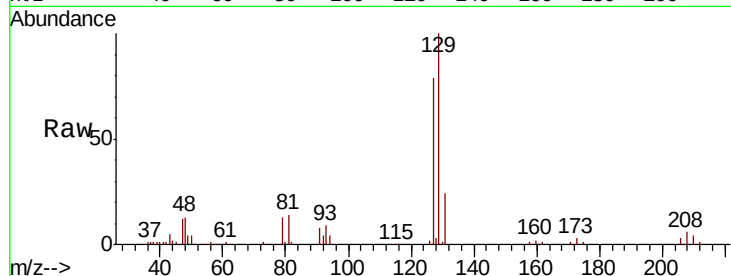
VSTDCCC020EC

Tot Ion:129 Resp: 63247

Ion Ratio Lower Upper

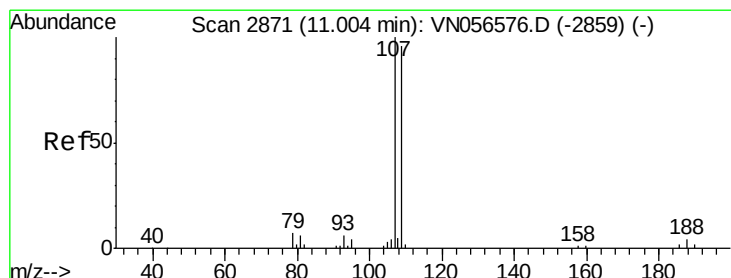
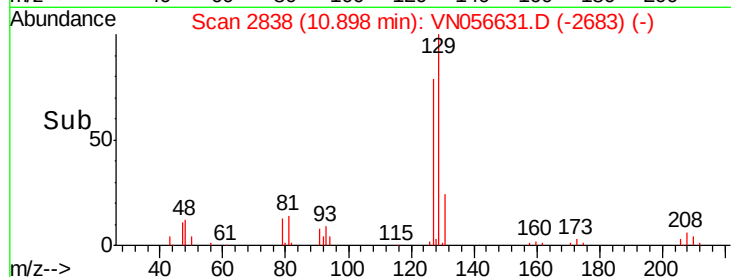
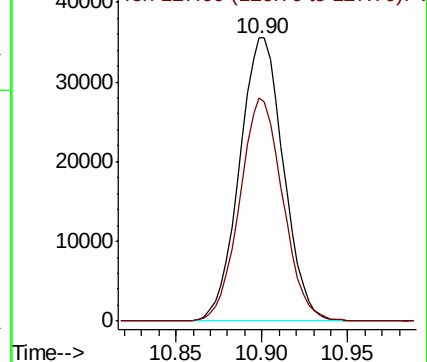
129 100

127 77.3 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: 18.825 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056631.D

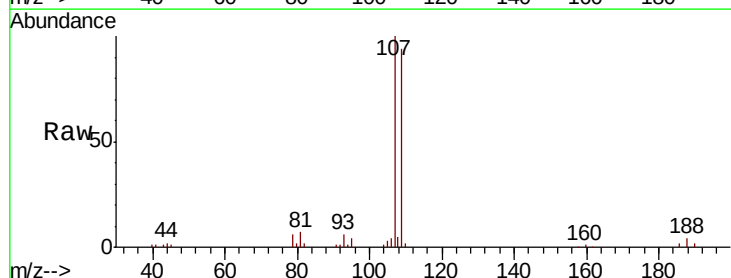
Acq: 9 Jul 2019 16:12

Tgt Ion:107 Resp: 67326

Ion Ratio Lower Upper

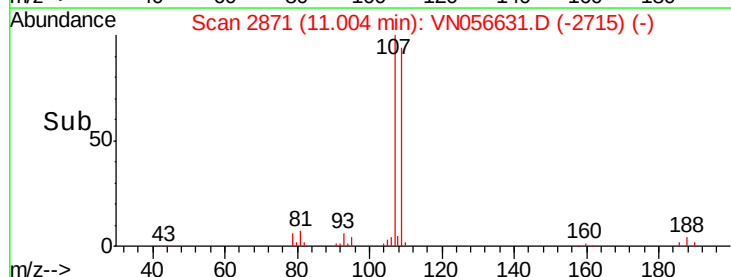
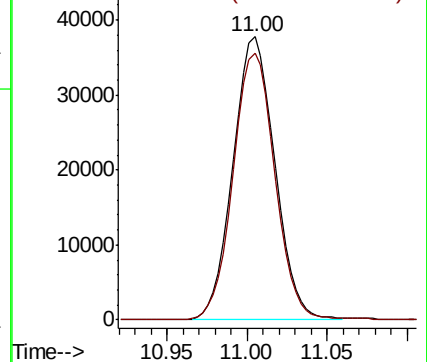
107 100

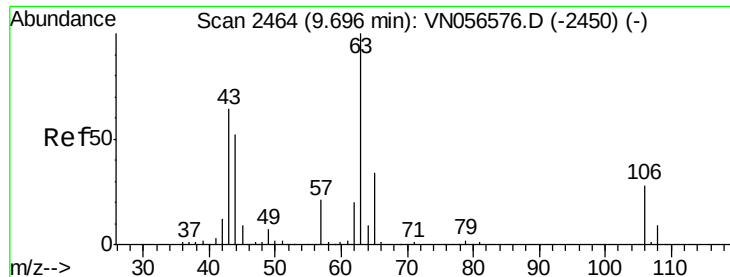
109 94.4 76.8 115.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

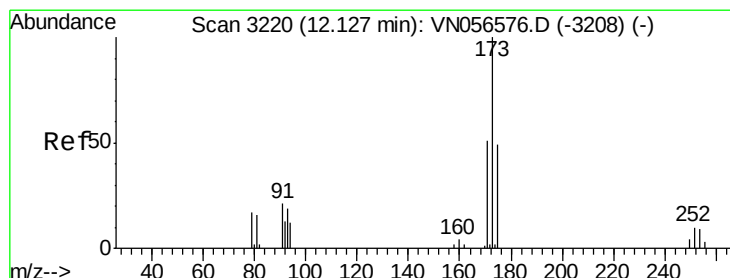
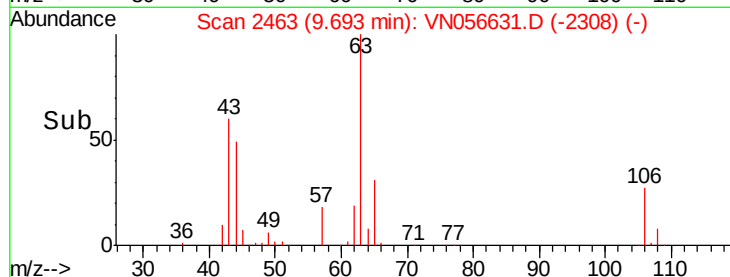
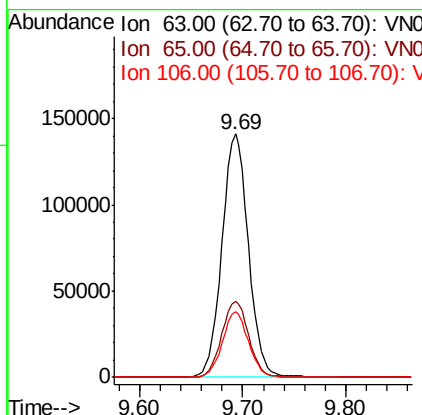
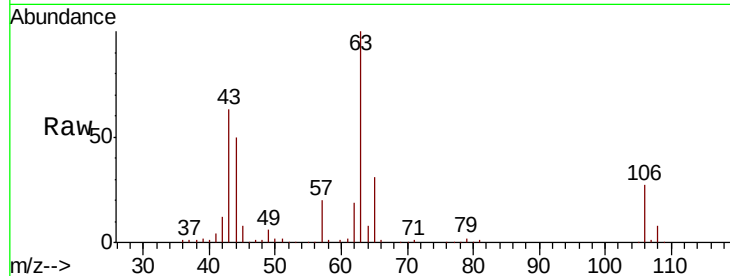




#55
2-Chloroethyl vinyl ether
Concen: 91.621 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

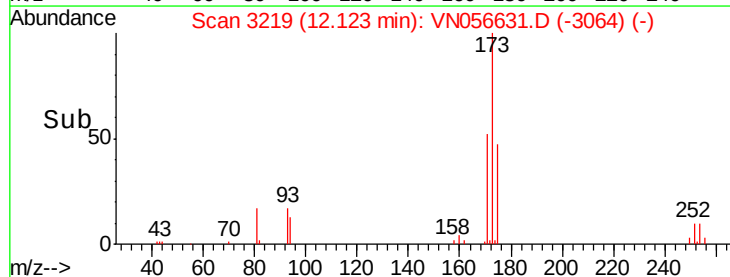
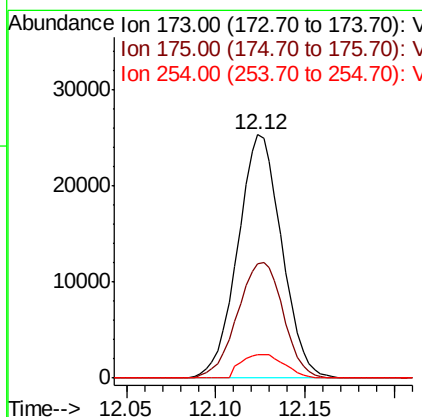
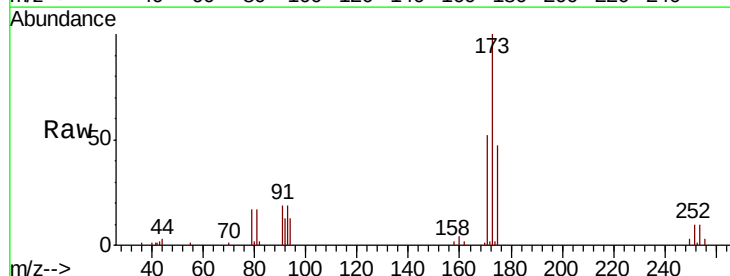
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

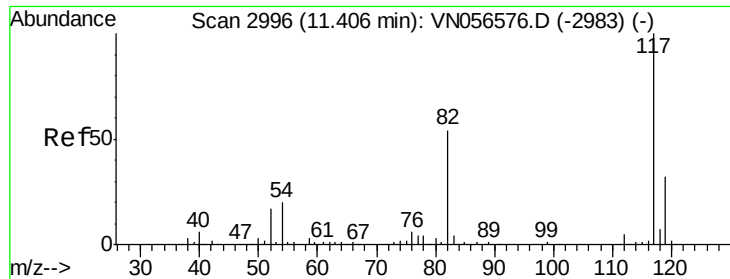
Tot Ion: 63 Resp: 252382
Ion Ratio Lower Upper
63 100
65 31.8 25.5 38.3
106 26.5 23.0 34.4



#56
Bromoform
Concen: 17.884 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 173 Resp: 43717
Ion Ratio Lower Upper
173 100
175 49.5 38.7 58.1
254 9.6 6.6 9.8

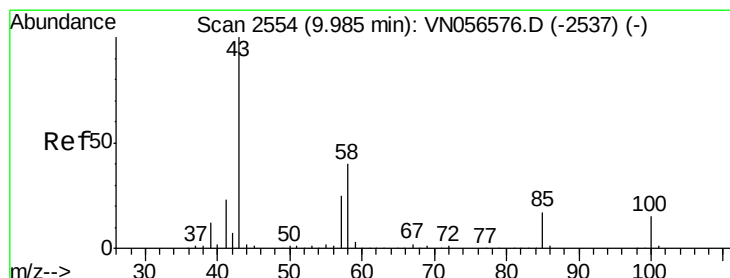
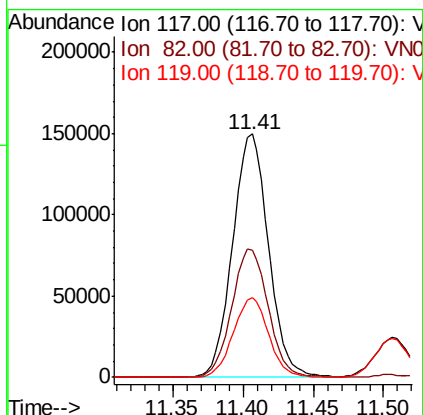
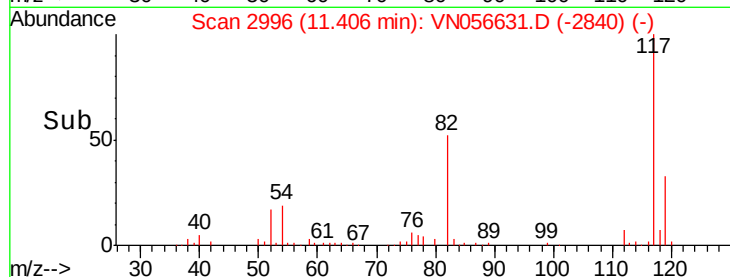
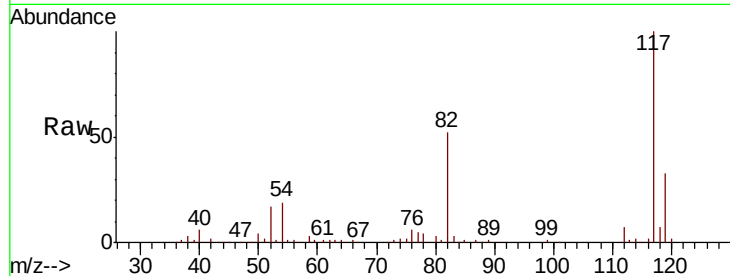




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

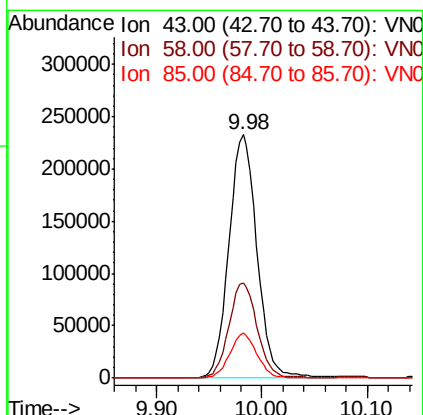
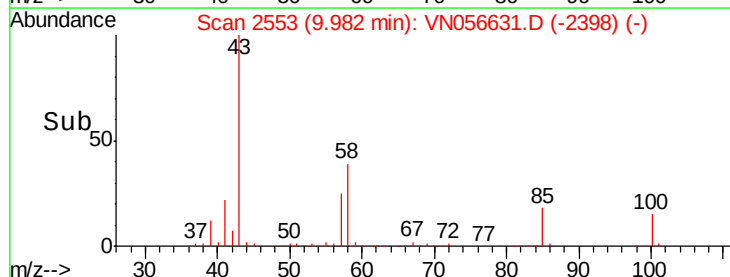
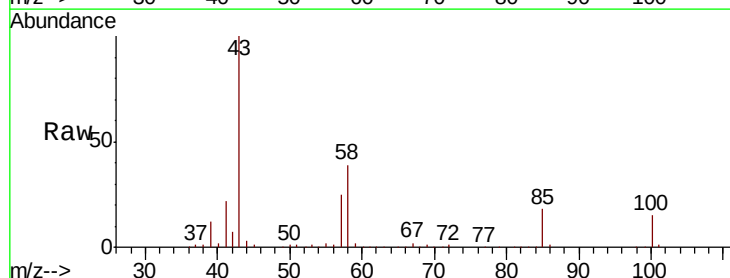
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

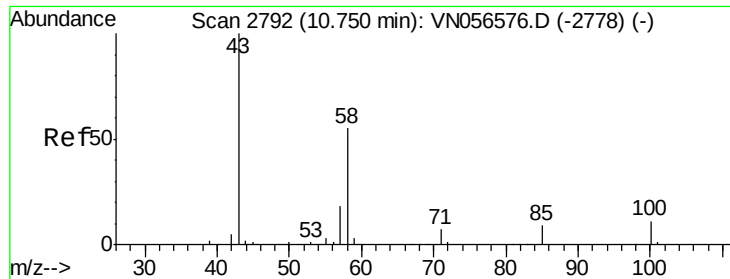
Tot Ion:117 Resp: 267337
Ion Ratio Lower Upper
117 100
82 53.6 41.2 61.8
119 32.1 26.2 39.2



#58
4-Methyl-2-Pentanone
Concen: 88.953 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 43 Resp: 427566
Ion Ratio Lower Upper
43 100
58 39.5 33.1 49.7
85 18.0 15.5 23.3

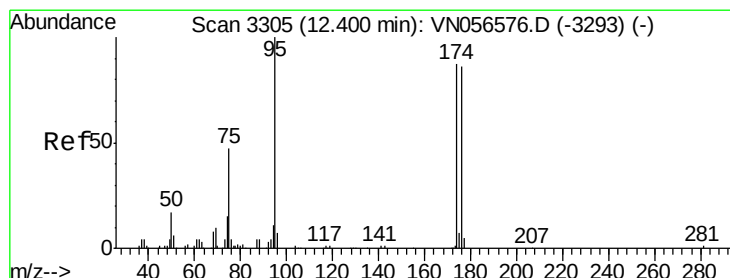
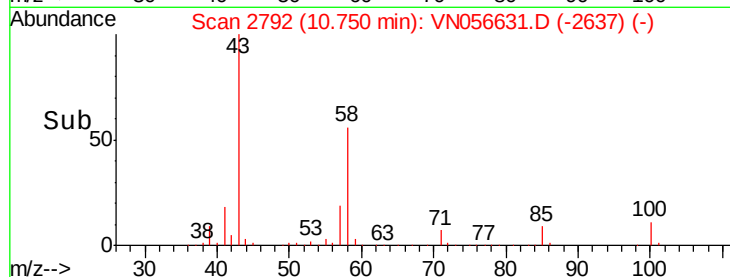
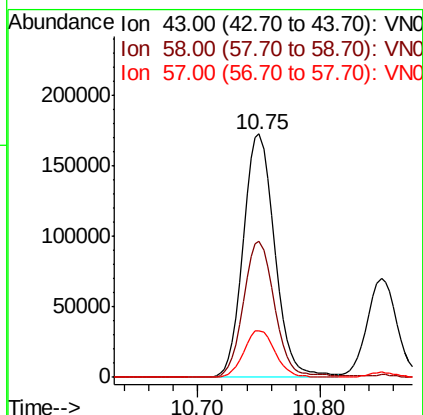
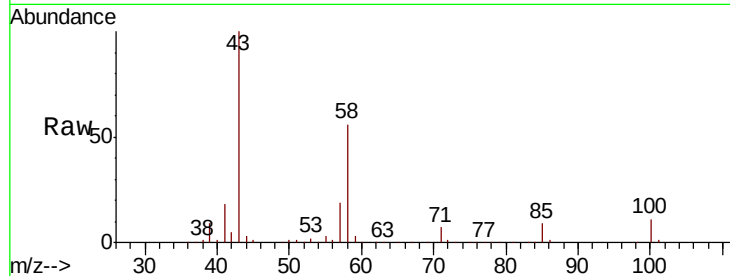




#59
2-Hexanone
Concen: 85.848 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

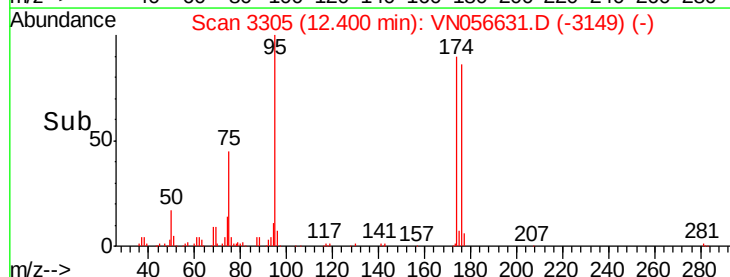
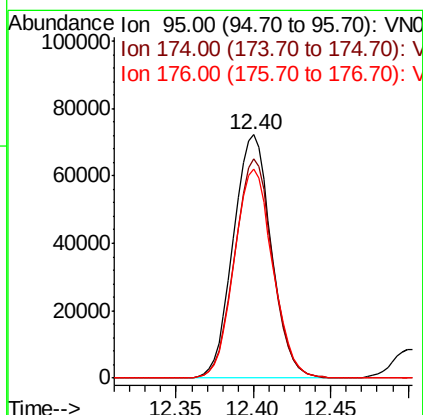
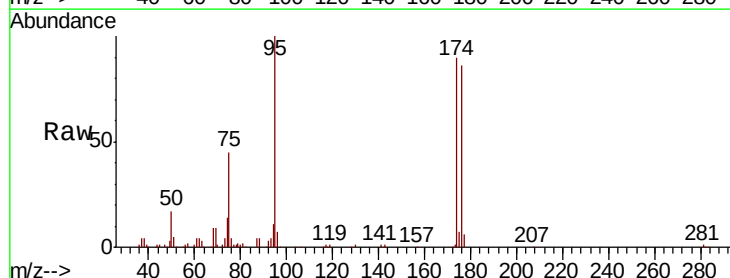
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

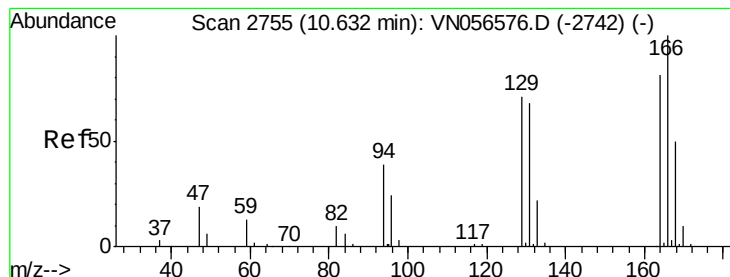
Tot Ion: 43 Resp: 306201
Ion Ratio Lower Upper
43 100
58 55.6 45.3 67.9
57 19.2 15.6 23.4



#60
4-Bromofluorobenzene
Concen: 30.152 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 95 Resp: 123863
Ion Ratio Lower Upper
95 100
174 89.0 75.4 113.0
176 86.5 73.9 110.9





#61

Tetrachloroethene

Concen: 19.920 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 66840

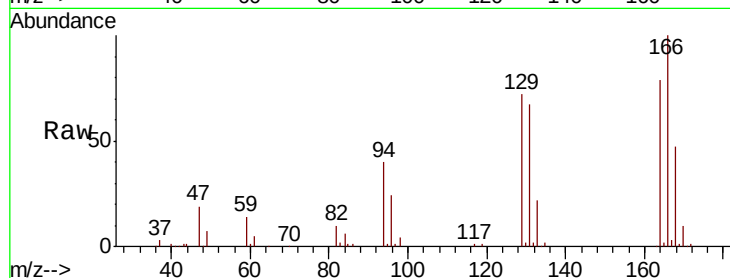
Ion Ratio Lower Upper

164 100

166 126.9 104.3 156.5

129 91.9 71.5 107.3

131 85.0 67.7 101.5

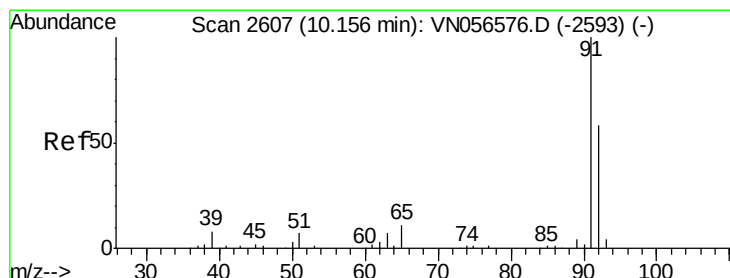
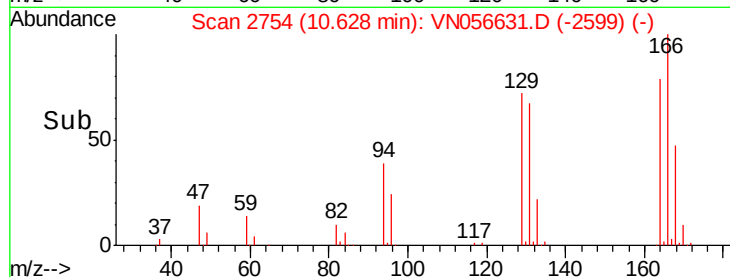
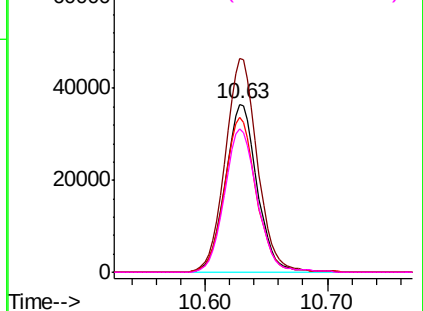


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.236 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056631.D

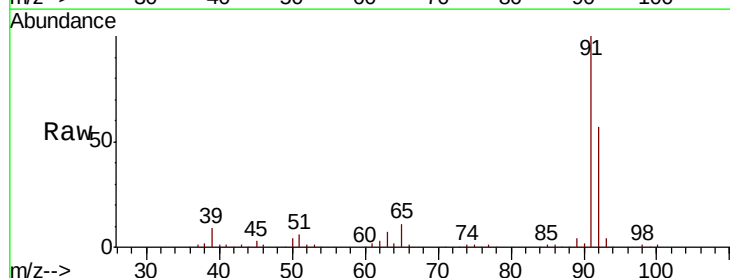
Acq: 9 Jul 2019 16:12

Tgt Ion: 91 Resp: 287007

Ion Ratio Lower Upper

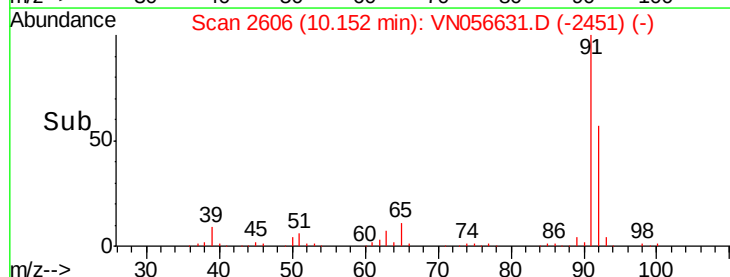
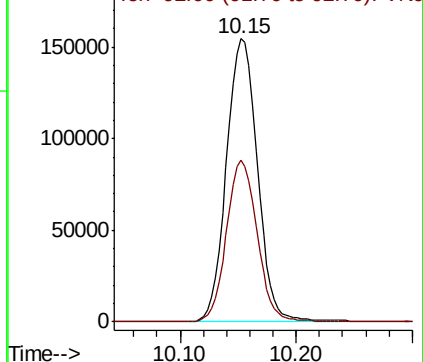
91 100

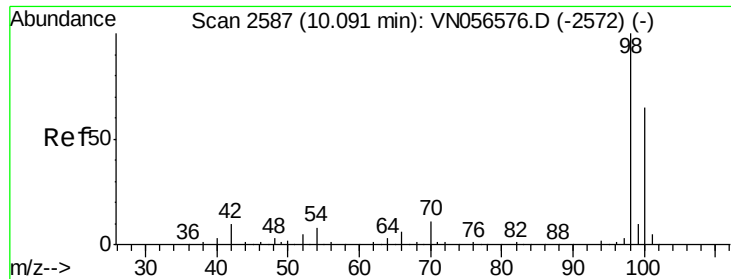
92 56.5 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

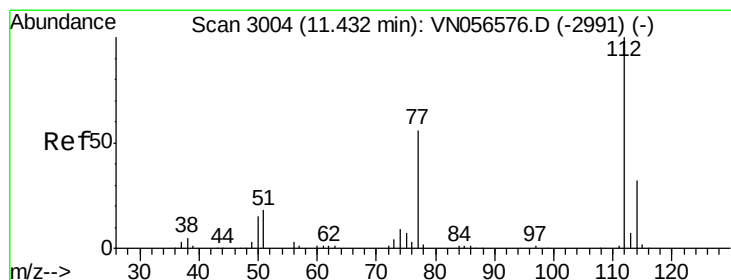
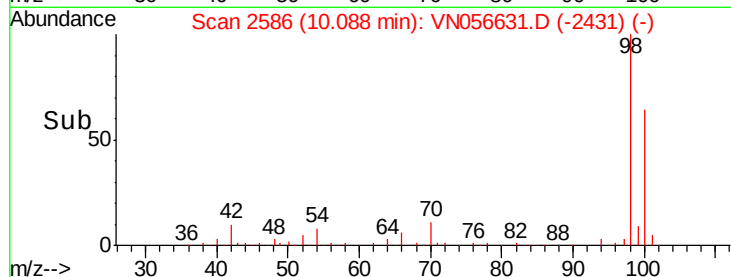
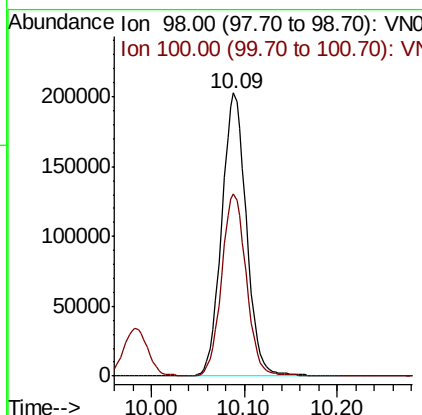
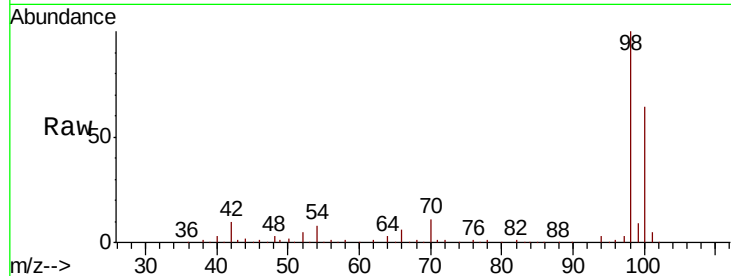




#63
Toluene-d8
Concen: 30.121 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

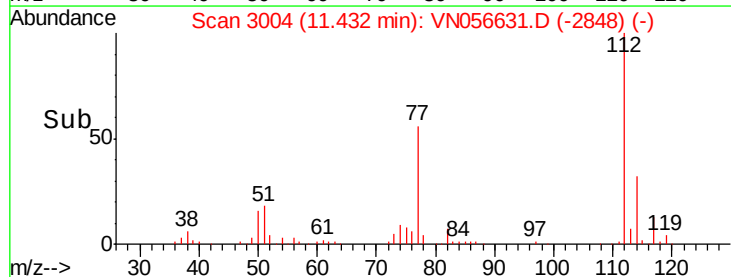
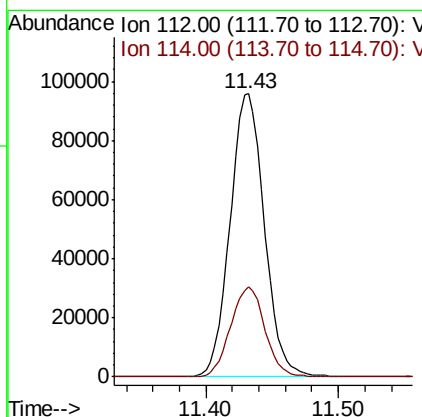
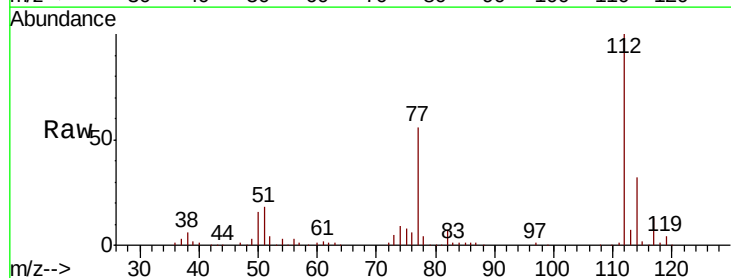
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

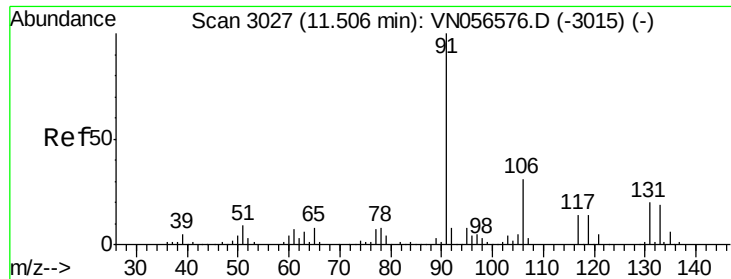
Tot Ion: 98 Resp: 374195
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4



#64
Chlorobenzene
Concen: 19.157 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion: 112 Resp: 172201
Ion Ratio Lower Upper
112 100
114 31.6 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 19.111 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

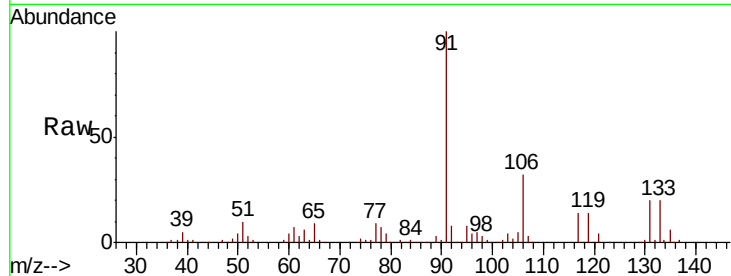
Tot Ion:131 Resp: 61868

Ion Ratio Lower Upper

131 100

133 96.5 0.0 193.8

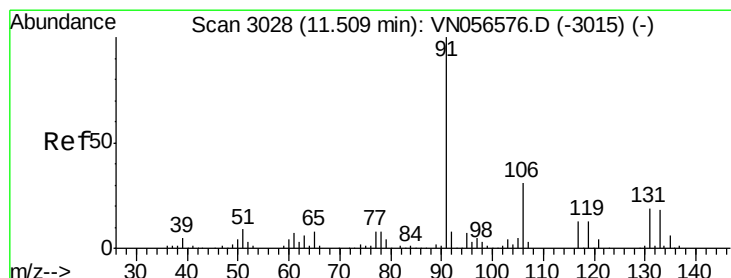
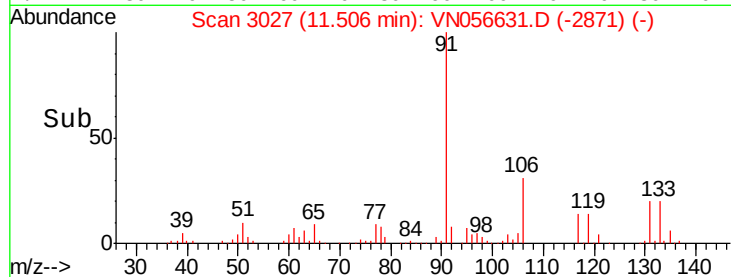
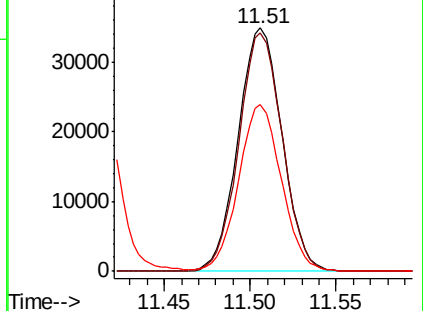
119 67.0 0.0 134.4



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.928 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN056631.D

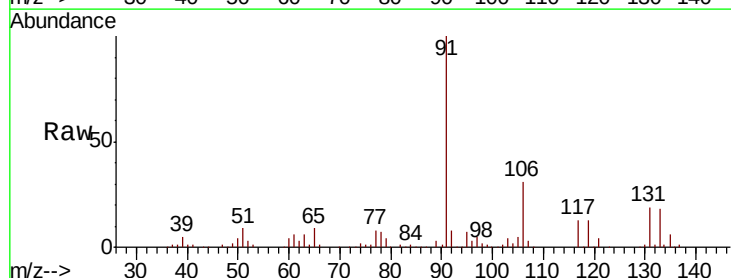
Acq: 9 Jul 2019 16:12

Tgt Ion: 91 Resp: 306213

Ion Ratio Lower Upper

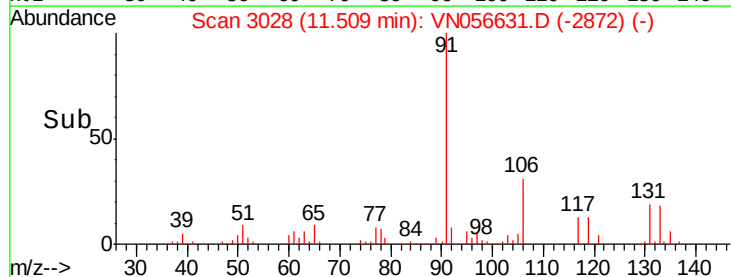
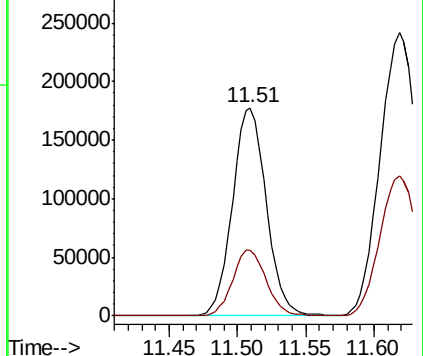
91 100

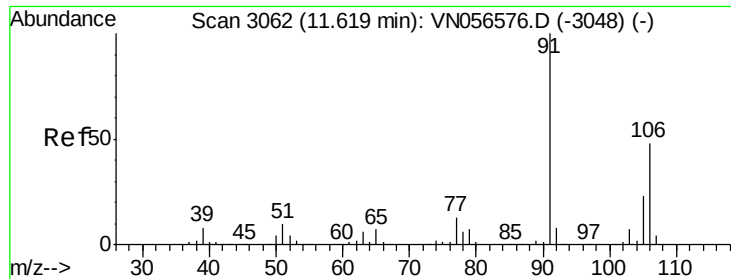
106 31.4 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

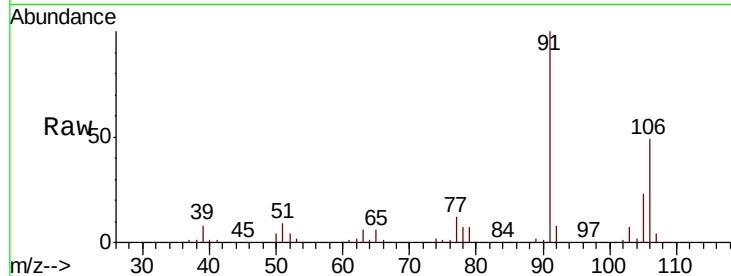




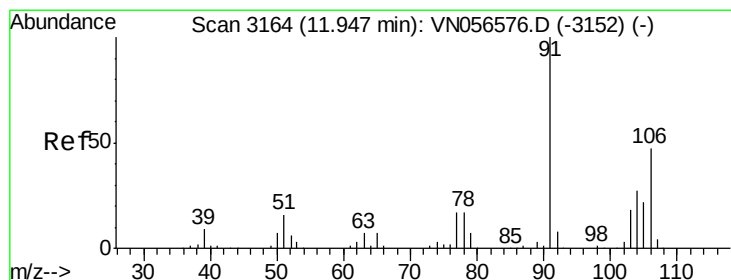
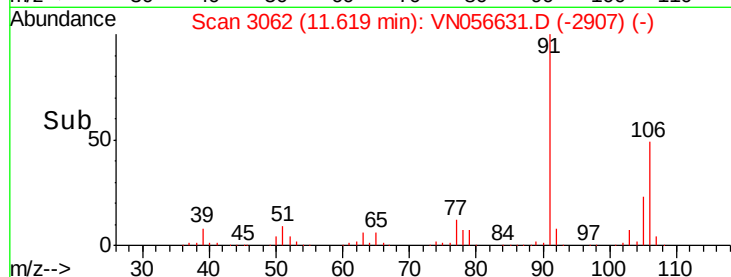
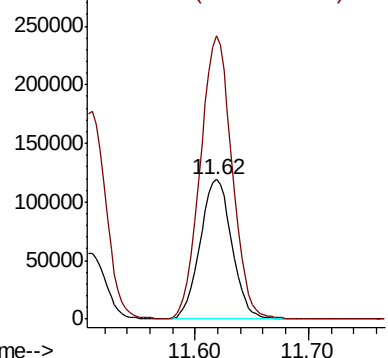
#67
m/p-Xylenes
Concen: 39.071 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 233262
Ion Ratio Lower Upper
106 100
91 202.5 155.7 233.5

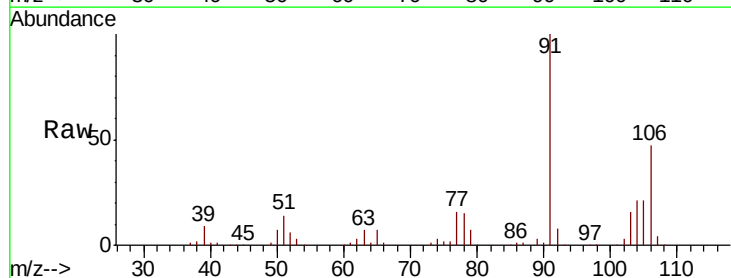


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

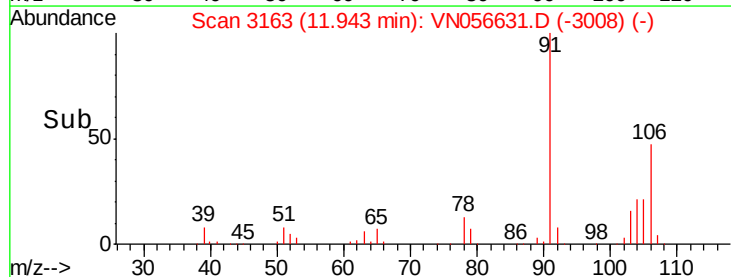
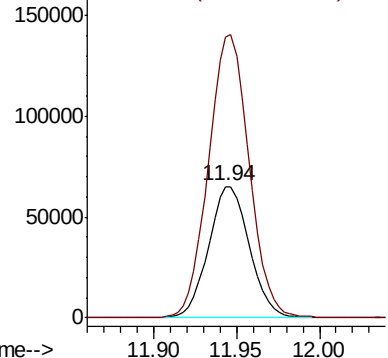


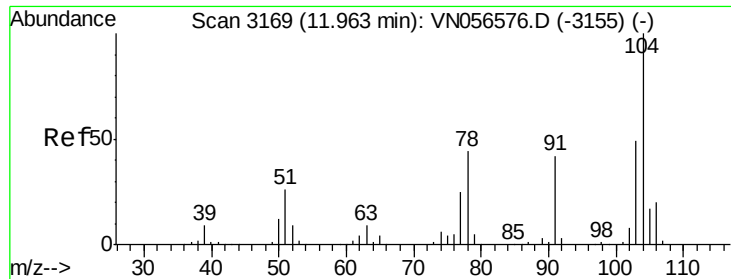
#68
o-Xylene
Concen: 18.921 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion:106 Resp: 111714
Ion Ratio Lower Upper
106 100
91 214.8 103.9 311.7



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

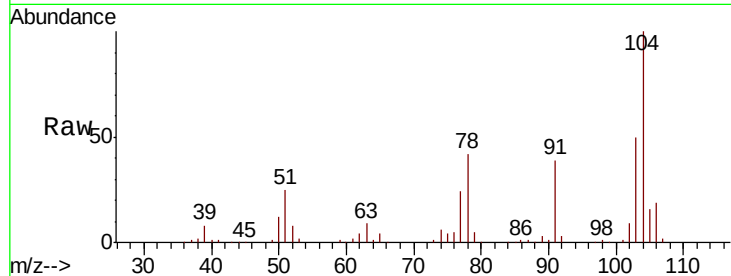




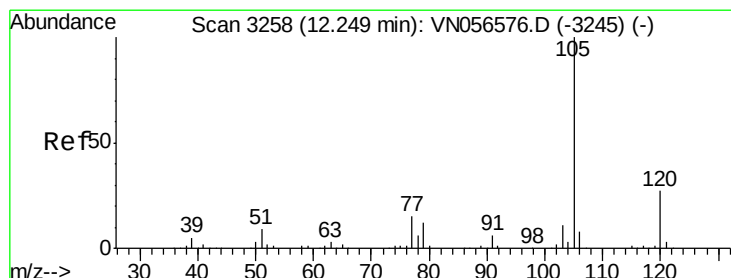
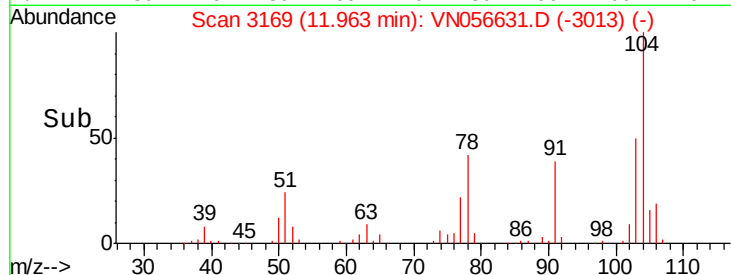
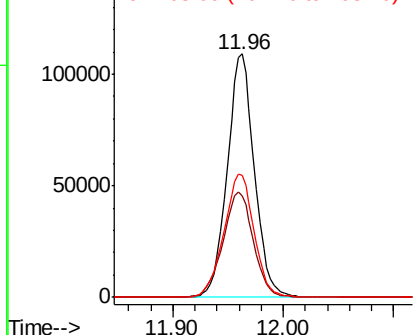
#69
Stvrene
Concen: 18.931 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020EC

Tot Ion:104 Resp: 185968
Ion Ratio Lower Upper
104 100
78 48.5 37.0 55.6
103 56.1 44.4 66.6

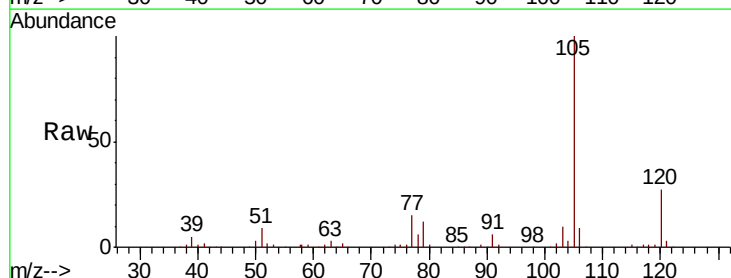


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

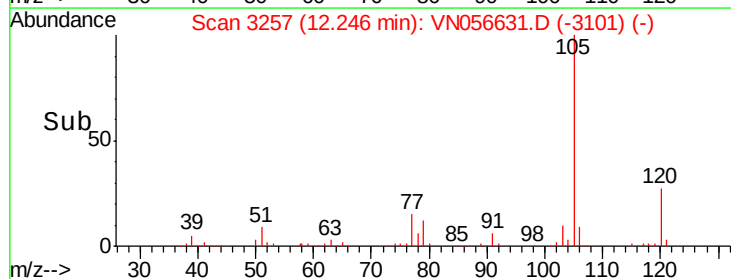
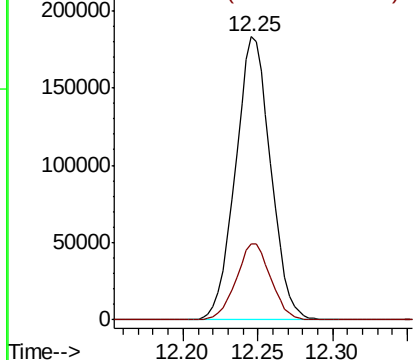


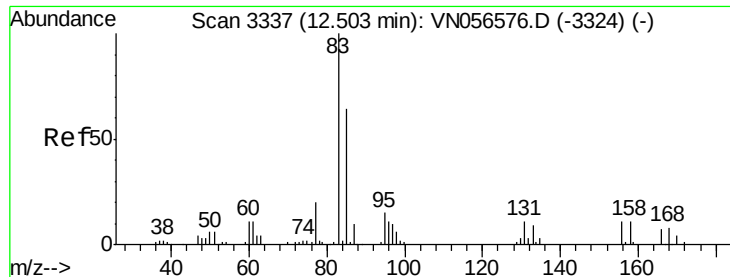
#70
Isopropylbenzene
Concen: 19.423 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion:105 Resp: 299214
Ion Ratio Lower Upper
105 100
120 26.6 19.3 35.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

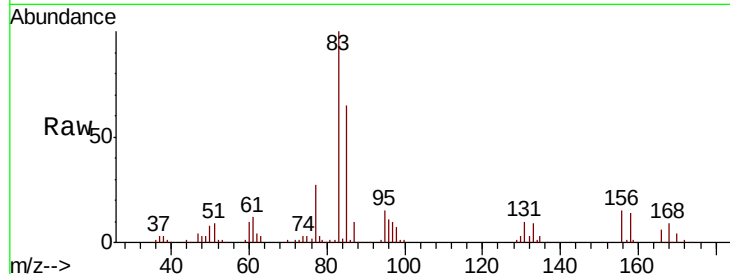




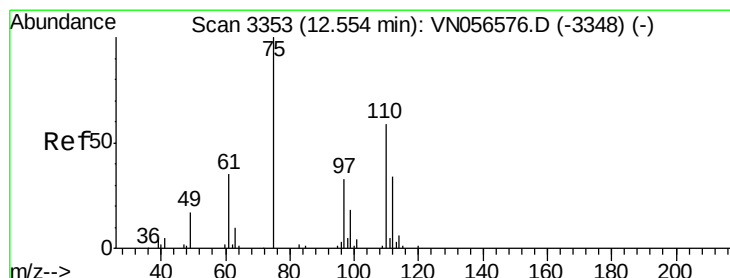
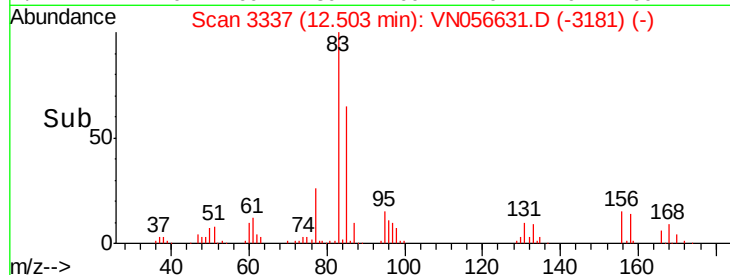
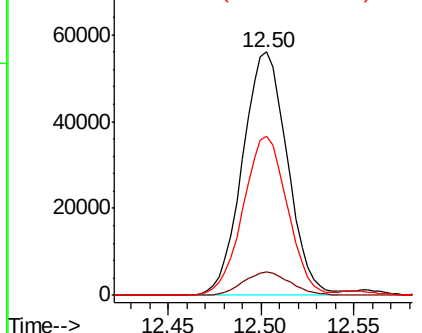
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.483 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	94135
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.2	15.6
85	64.8	31.6	94.7

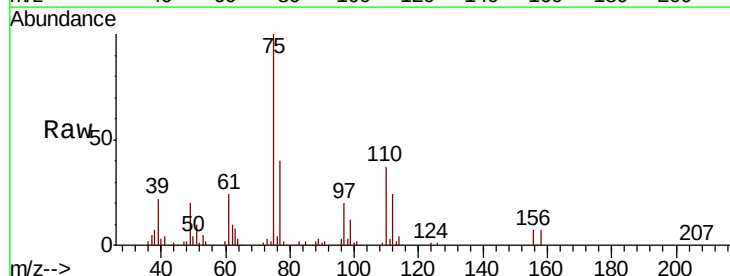


Abundance Ion 83.00 (82.70 to 83.70): VN056631.D (-3181) (-)

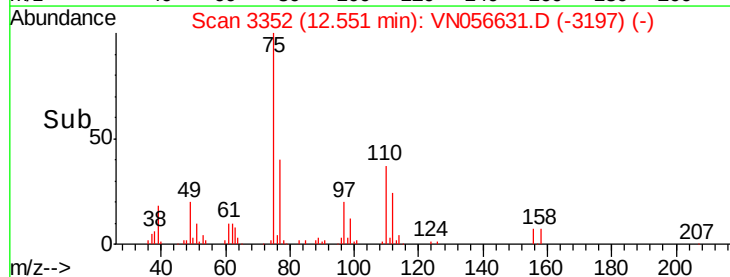
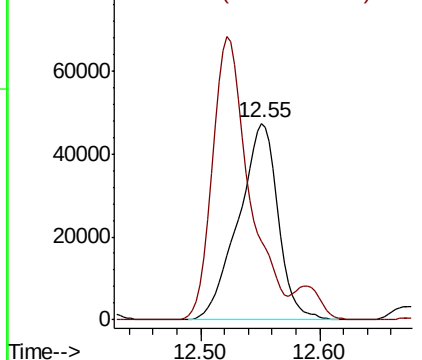


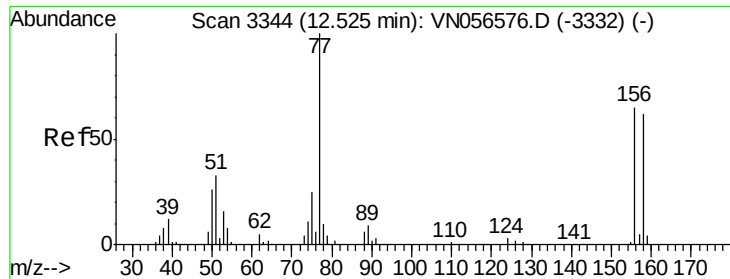
#72
 1,2,3-Trichloropropane
 Concen: 25.478 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion	75	Resp	109119
Ion Ratio	Lower	Upper	
75	100		
77	133.7	0.0	350.0



Abundance Ion 75.00 (74.70 to 75.70): VN056631.D (-3197) (-)





#73

Bromobenzene

Concen: 19.549 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

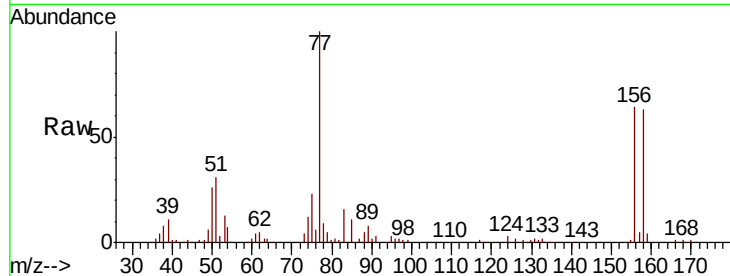
Tot Ion:156 Resp: 77672

Ion Ratio Lower Upper

156 100

77 187.8 0.0 350.8

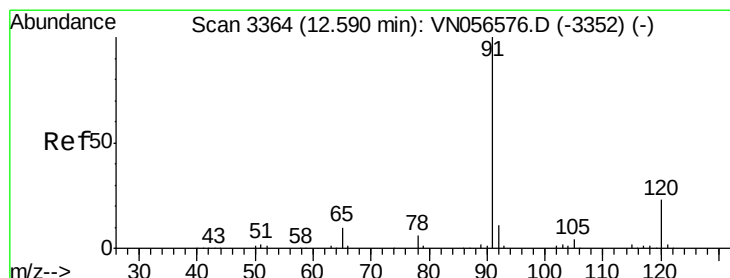
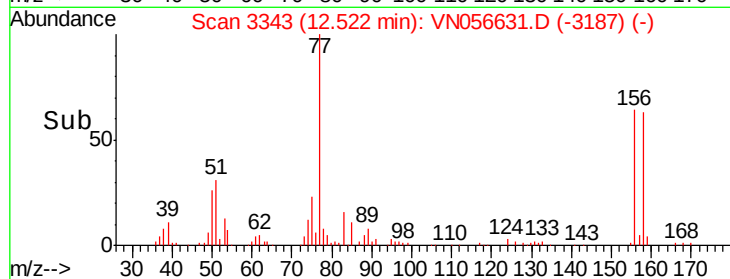
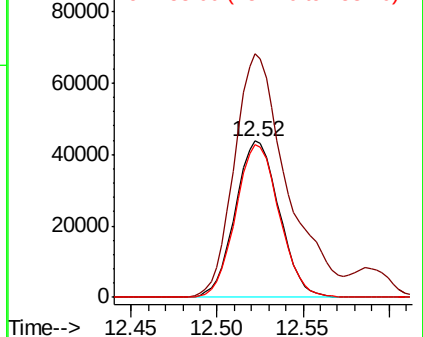
158 96.8 0.0 193.2



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: 19.109 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056631.D

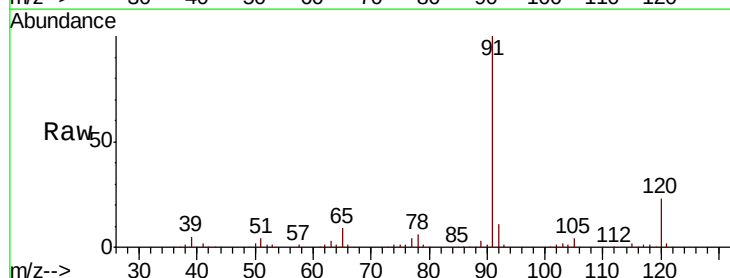
Acq: 9 Jul 2019 16:12

Tgt Ion: 91 Resp: 333973

Ion Ratio Lower Upper

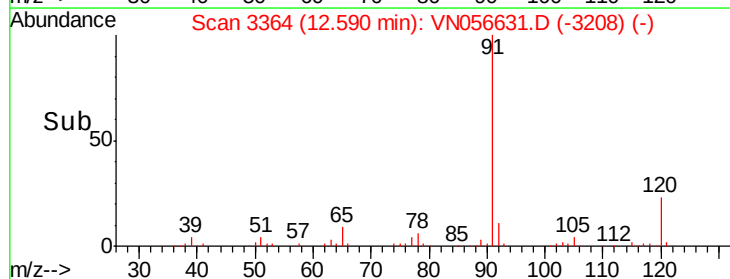
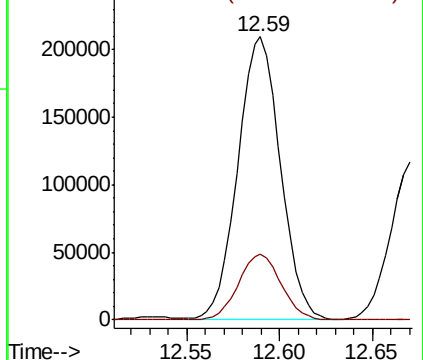
91 100

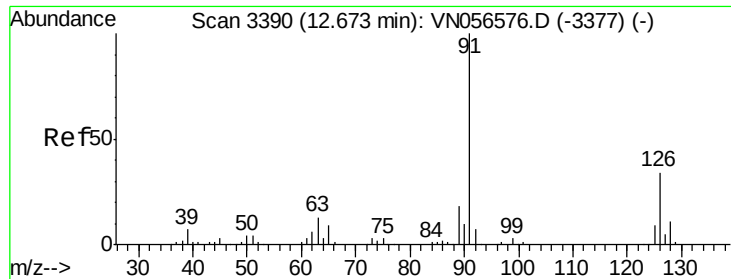
120 23.2 0.0 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.287 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

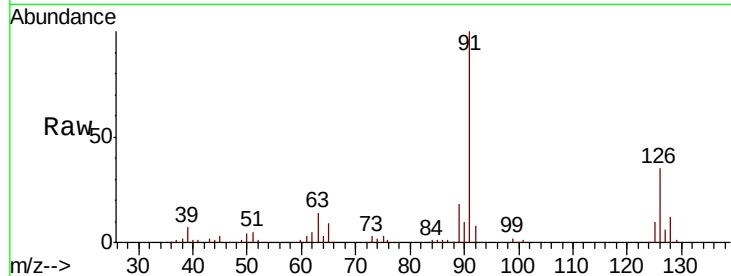
VSTDCCC020EC

Tot Ion: 91 Resp: 201569

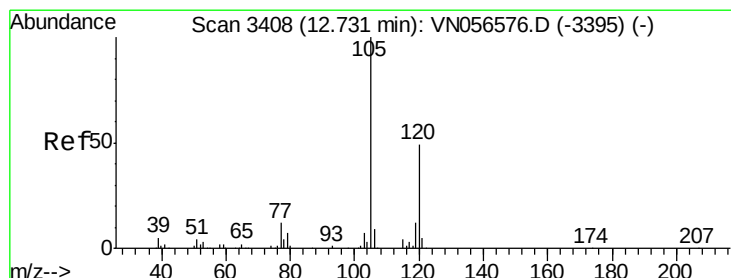
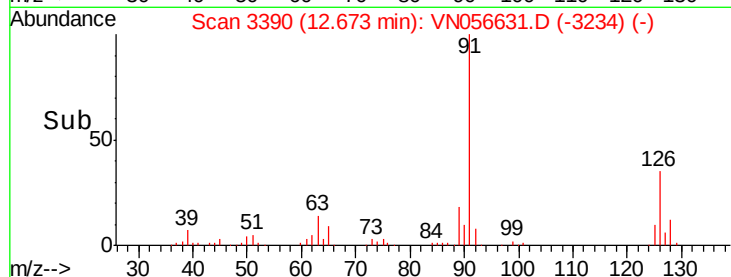
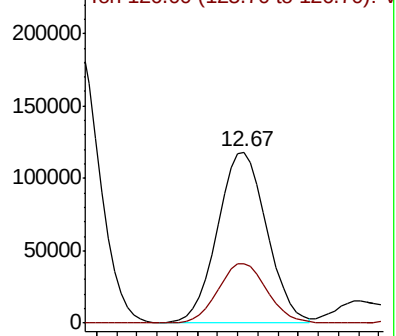
Ion Ratio Lower Upper

91 100

126 35.0 0.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3377) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.443 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056631.D

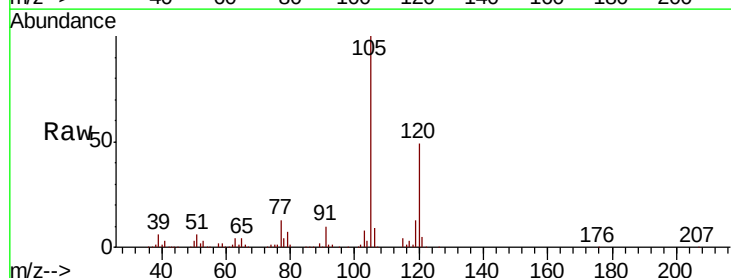
Acq: 9 Jul 2019 16:12

Tgt Ion:105 Resp: 253630

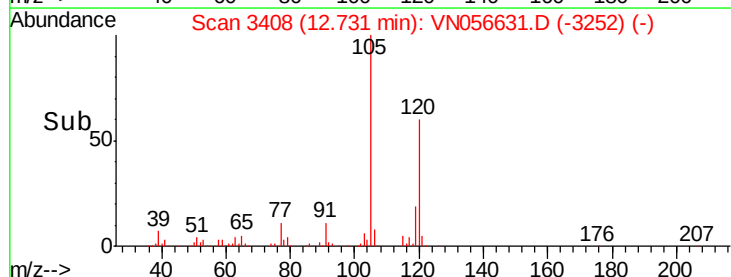
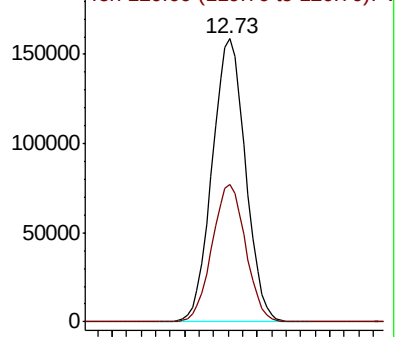
Ion Ratio Lower Upper

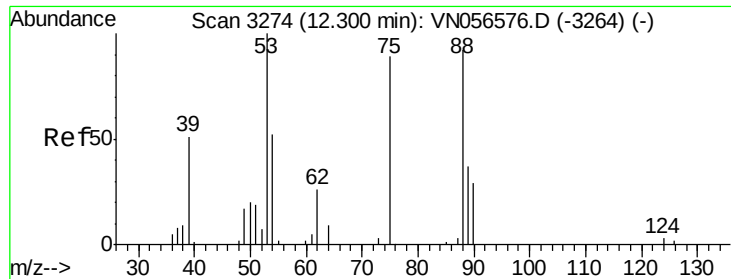
105 100

120 48.8 0.0 100.6



Abundance Ion 105.00 (104.70 to 105.70): VN056576.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 16.253 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

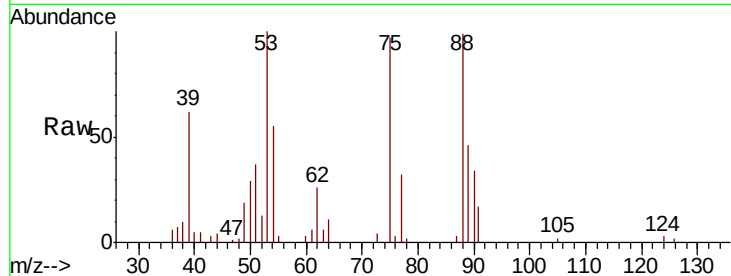
Tot Ion: 75 Resp: 22297

Ion Ratio Lower Upper

75 100

53 101.2 48.0 144.0

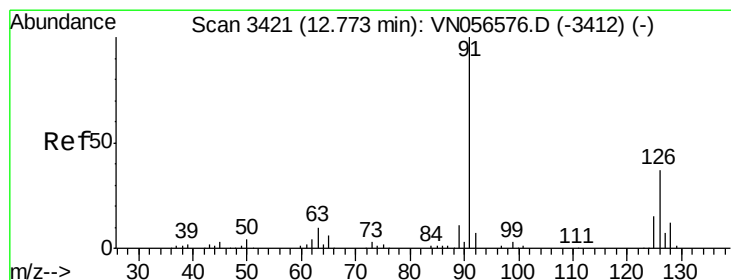
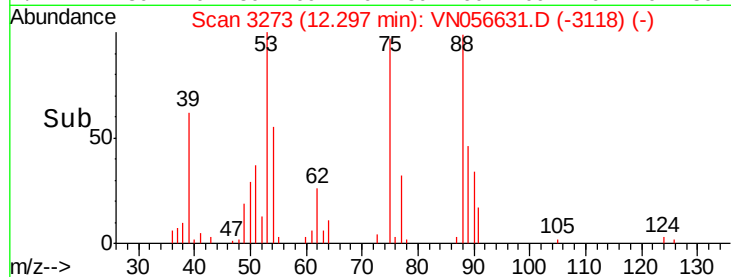
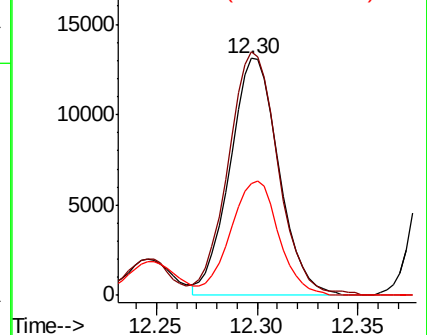
89 47.1 22.5 67.5



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: 19.163 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056631.D

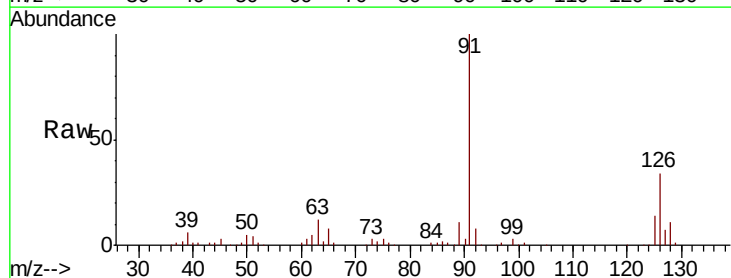
Acq: 9 Jul 2019 16:12

Tgt Ion: 91 Resp: 194774

Ion Ratio Lower Upper

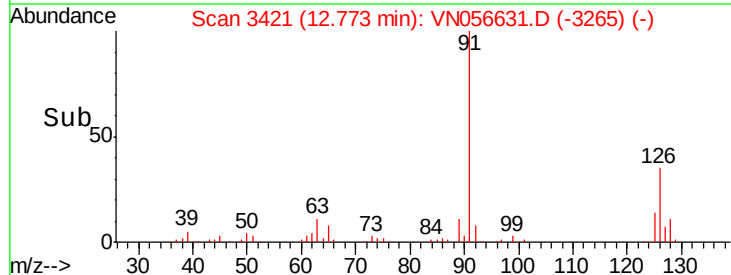
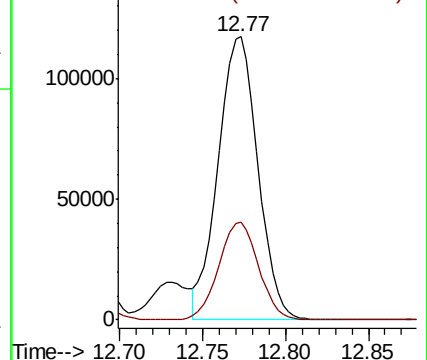
91 100

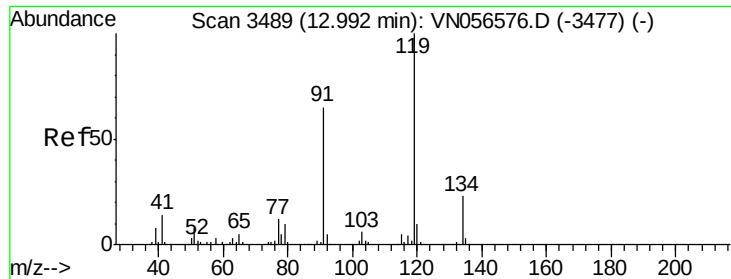
126 34.7 0.0 71.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

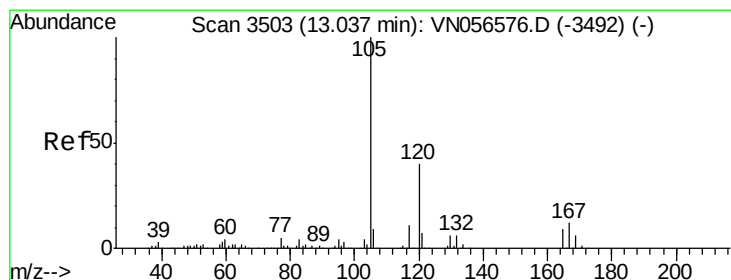
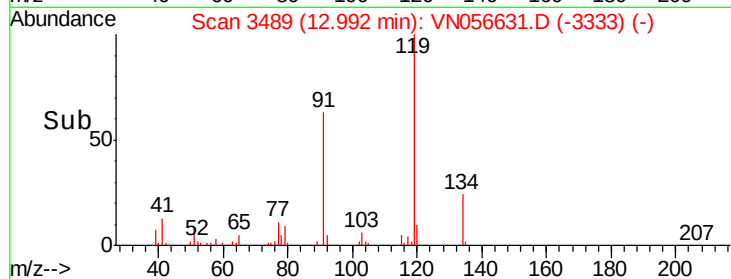
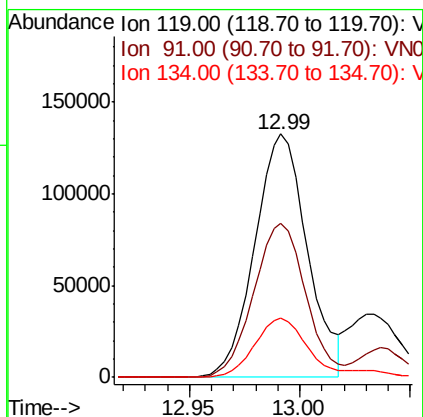
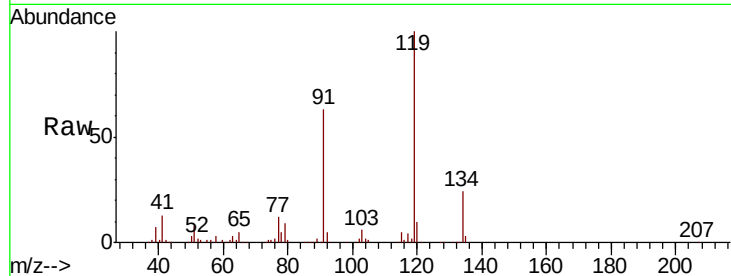




#79
tert-butylbenzene
Concen: 19.630 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

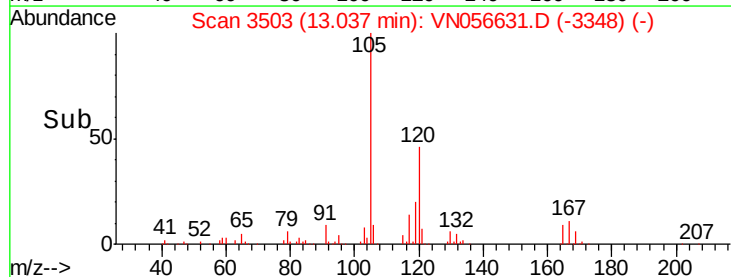
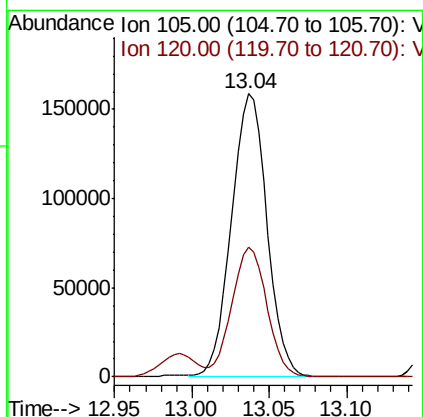
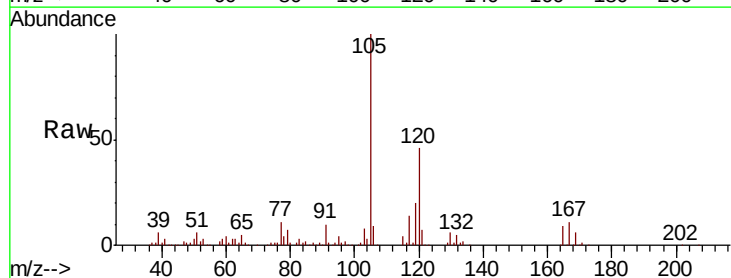
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

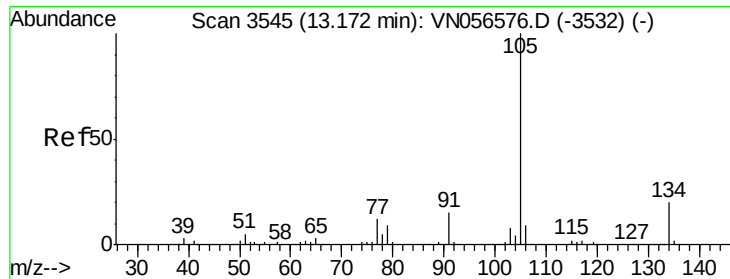
Tot Ion:119 Resp: 218784
Ion Ratio Lower Upper
119 100
91 62.9 0.0 122.8
134 24.3 0.0 50.2



#80
1,2,4-Trimethylbenzene
Concen: 19.662 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion:105 Resp: 253325
Ion Ratio Lower Upper
105 100
120 45.5 0.0 93.4

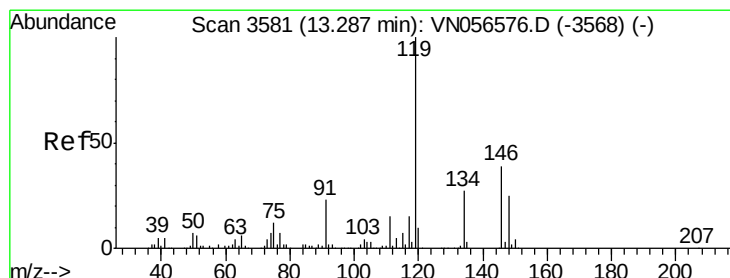
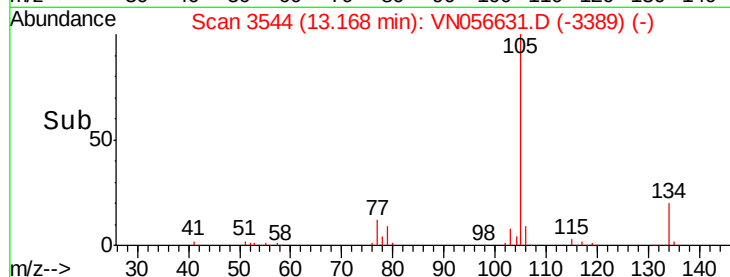
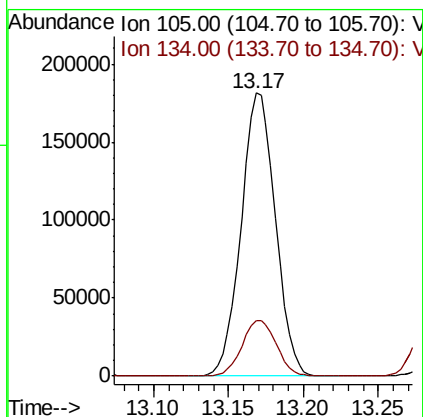
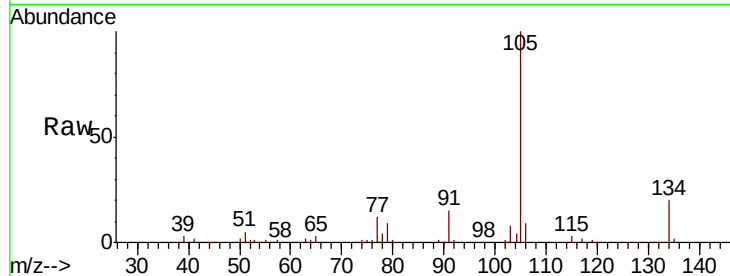




#81
 sec-Butylbenzene
 Concen: 19.583 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

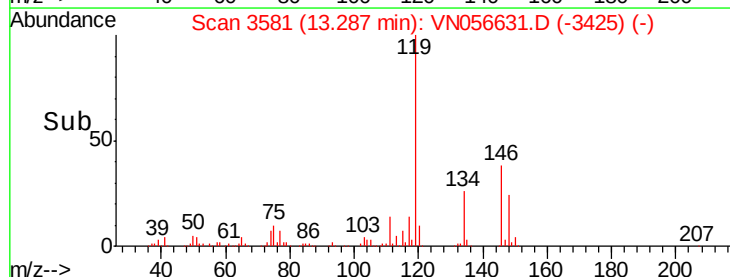
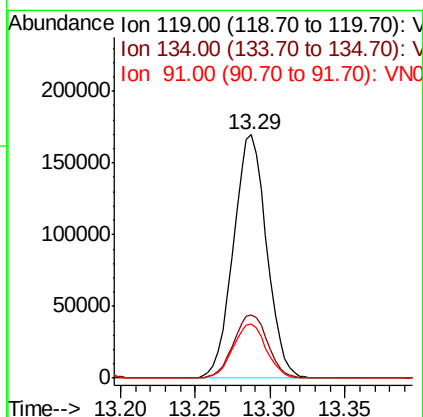
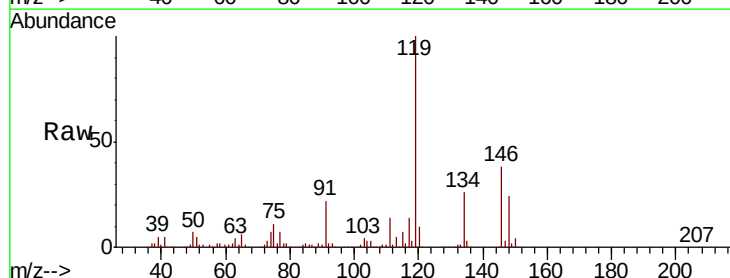
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

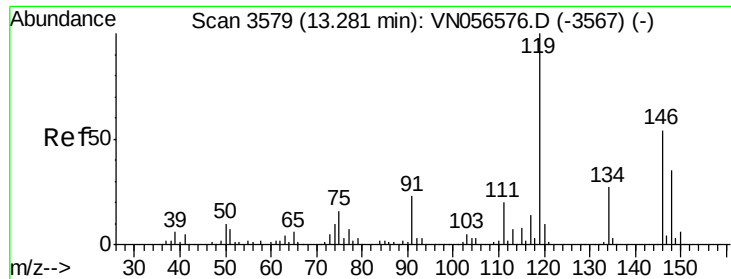
Tot Ion:105 Resp: 289423
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 41.8



#82
 p-Isopropyltoluene
 Concen: 19.767 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion:119 Resp: 262667
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 53.4
 91 22.2 0.0 43.0

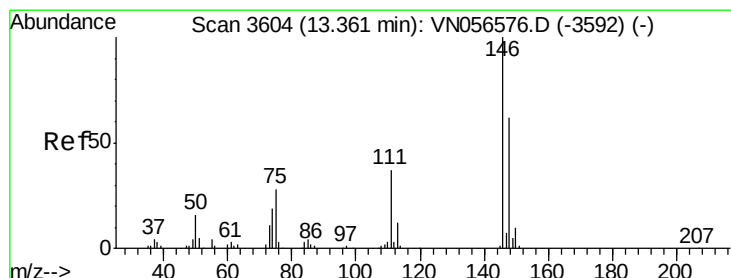
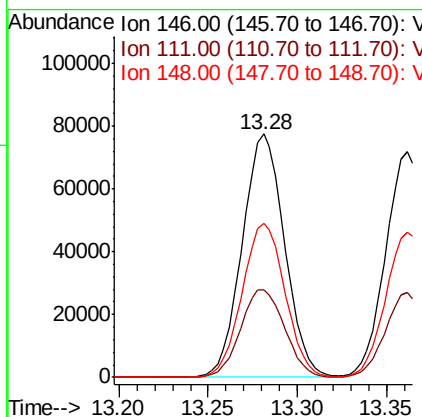
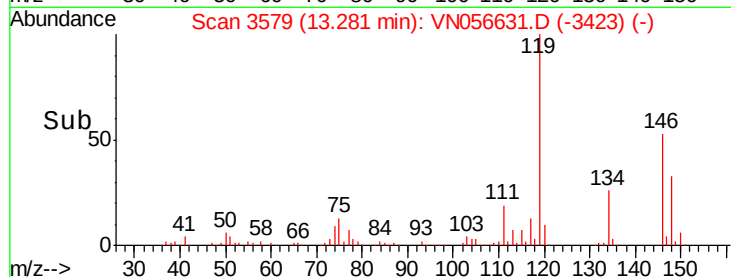
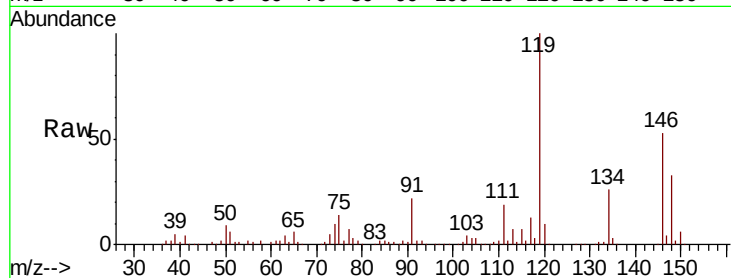




#83
 1,3-Dichlorobenzene
 Concen: 19.470 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

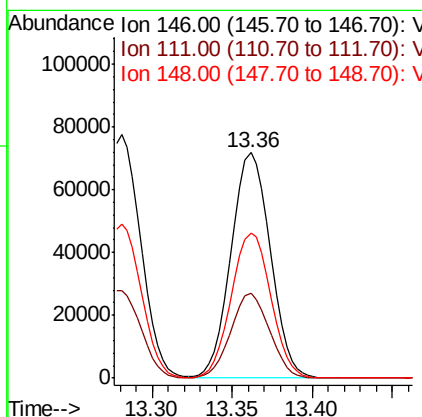
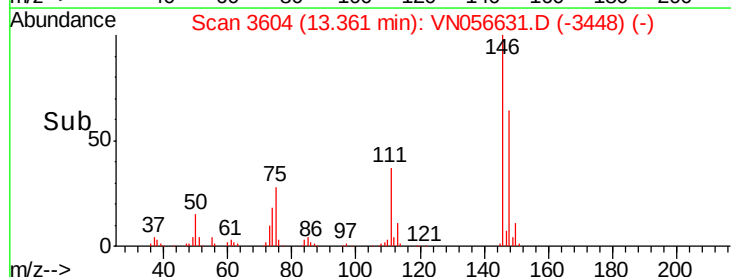
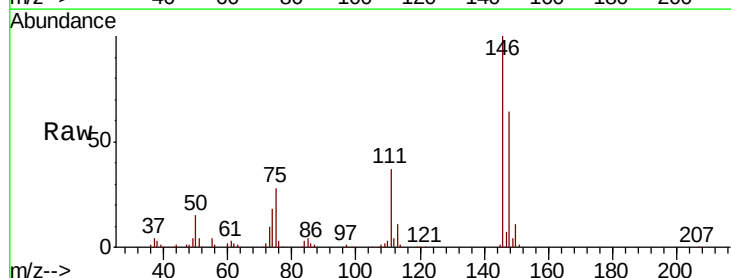
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

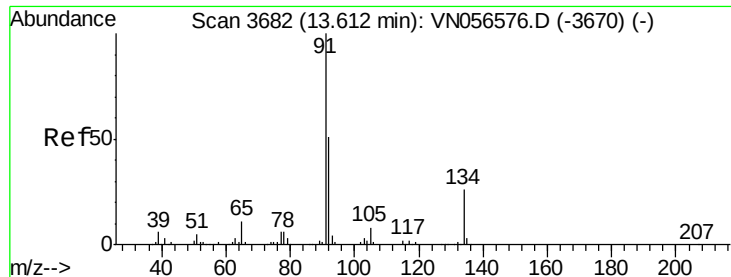
Tot Ion:146 Resp: 128463
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.2 54.6
 148 64.1 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 18.967 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056631.D
 Acq: 9 Jul 2019 16:12

Tgt Ion:146 Resp: 120720
 Ion Ratio Lower Upper
 146 100
 111 36.8 17.6 52.9
 148 64.2 32.1 96.3





#85

n-Butylbenzene

Concen: 19.062 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

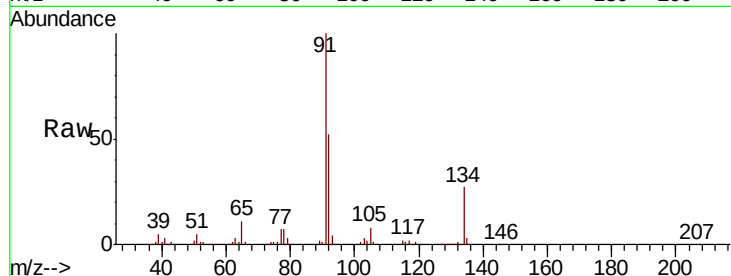
Tot Ion: 91 Resp: 212866

Ion Ratio Lower Upper

91 100

92 52.6 0.0 107.2

134 26.6 0.0 55.8



Abundance Ion 91.00 (90.70 to 91.70): VN056576.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN056576.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN056576.D (-3670) (-)

13.61

150000

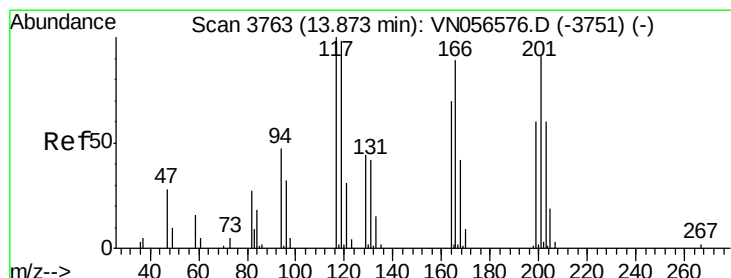
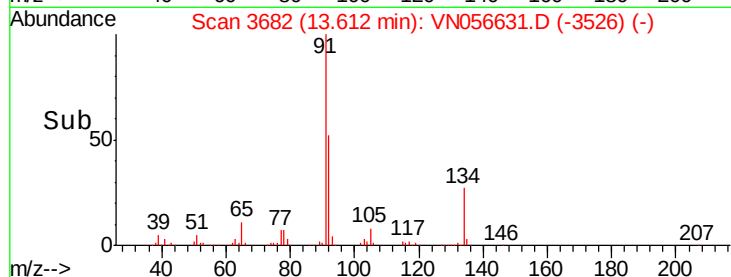
100000

50000

0

13.55 13.60 13.65

Time-->



#86

Hexachloroethane

Concen: 18.701 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056631.D

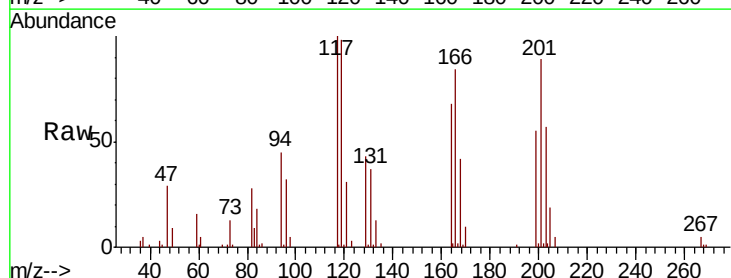
Acq: 9 Jul 2019 16:12

Tgt Ion: 117 Resp: 37470

Ion Ratio Lower Upper

117 100

201 91.8 48.1 144.4



Abundance Ion 117.00 (116.70 to 117.70): VN056576.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN056576.D (-3751) (-)

13.87

25000

20000

15000

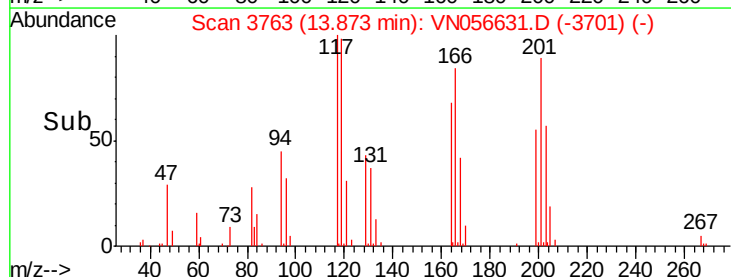
10000

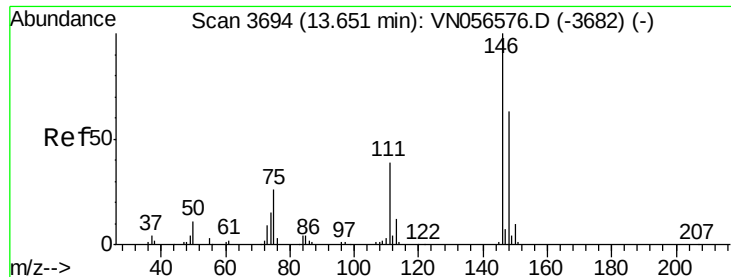
5000

0

13.80 13.85 13.90

Time-->





#87

1,2-Dichlorobenzene

Concen: 19.597 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

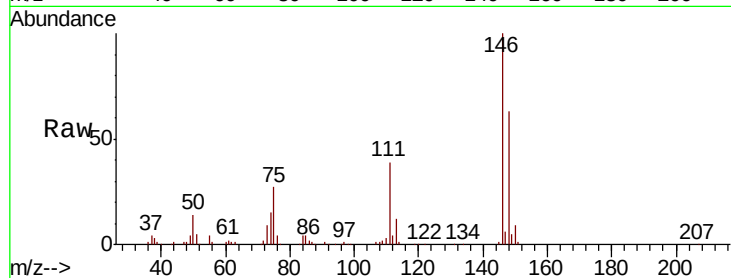
Tot Ion:146 Resp: 131306

Ion Ratio Lower Upper

146 100

111 38.7 19.3 57.9

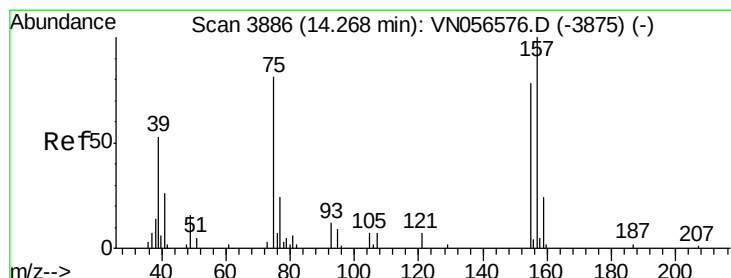
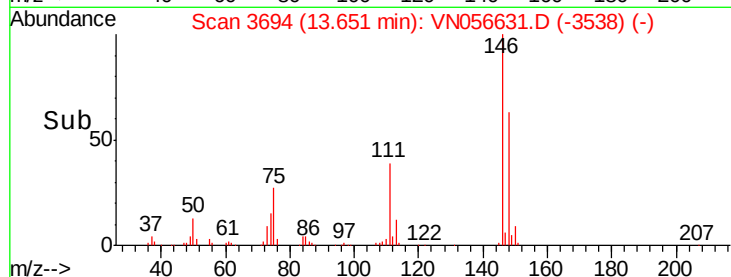
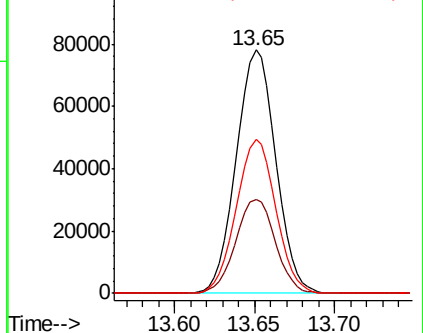
148 63.3 32.6 97.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 15.791 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056631.D

Acq: 9 Jul 2019 16:12

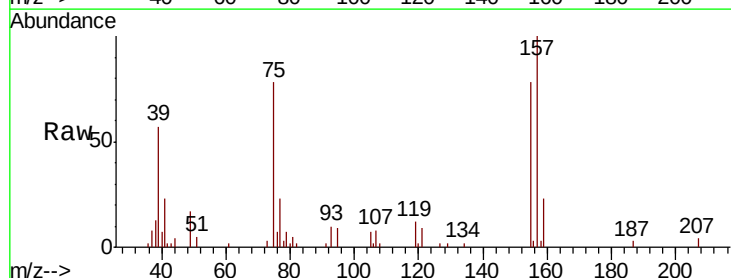
Tgt Ion: 75 Resp: 14411

Ion Ratio Lower Upper

75 100

155 97.6 82.5 123.7

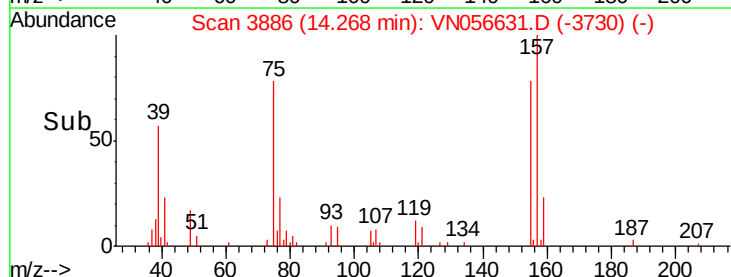
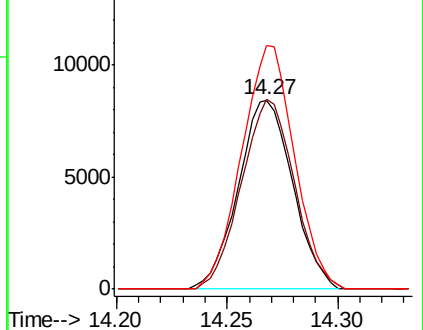
157 125.3 105.1 157.7

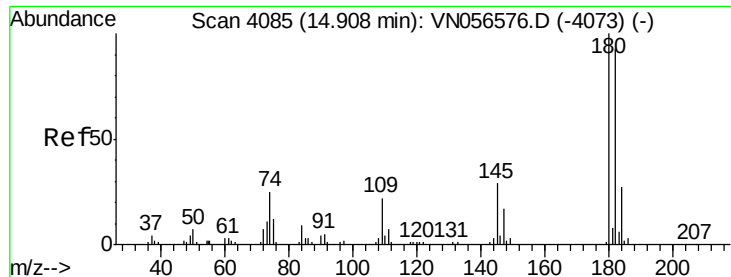


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

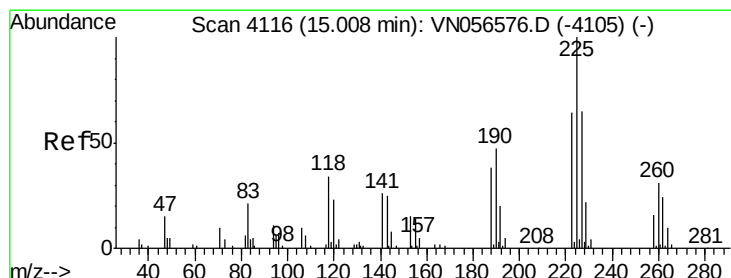
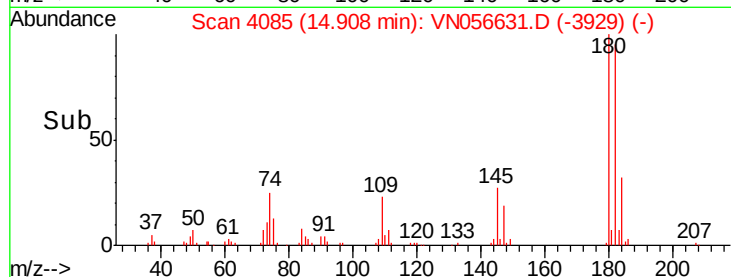
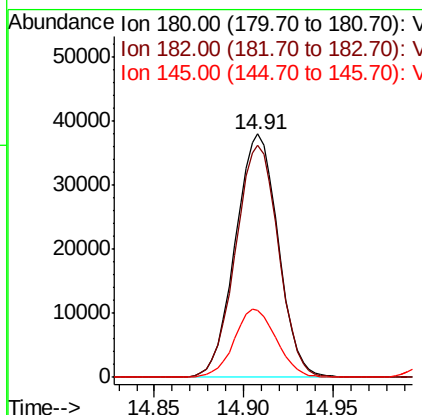
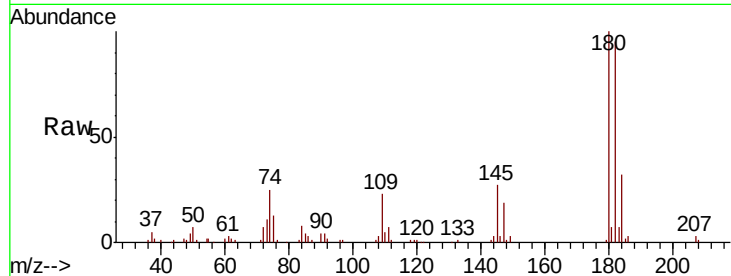




#89
1,2,4-Trichlorobenzene
Concen: 17.056 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

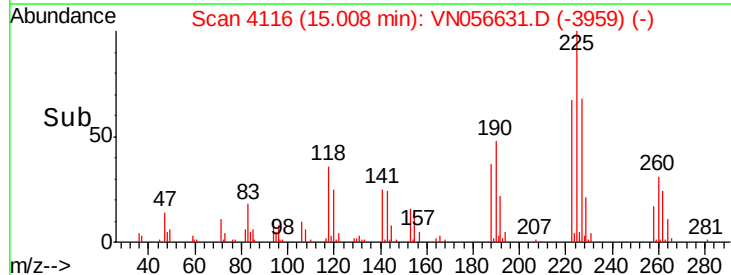
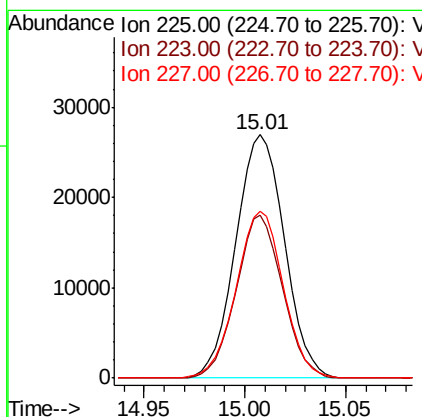
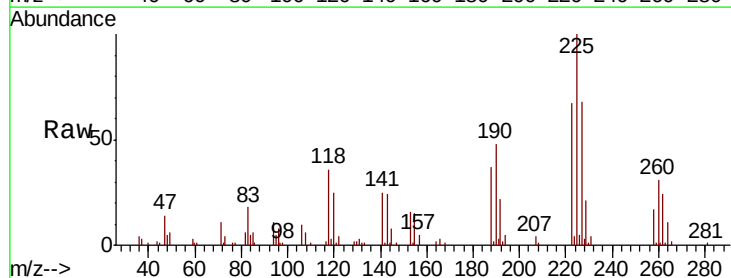
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

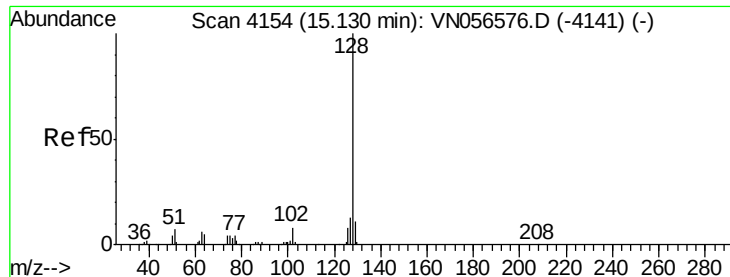
Tot Ion:180 Resp: 63164
Ion Ratio Lower Upper
180 100
182 95.7 75.0 112.6
145 27.6 22.1 33.1



#90
Hexachlorobutadiene
Concen: 19.823 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion:225 Resp: 45610
Ion Ratio Lower Upper
225 100
223 63.5 0.0 125.6
227 66.4 0.0 128.6

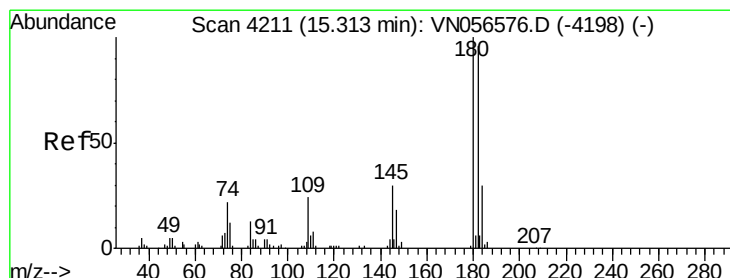
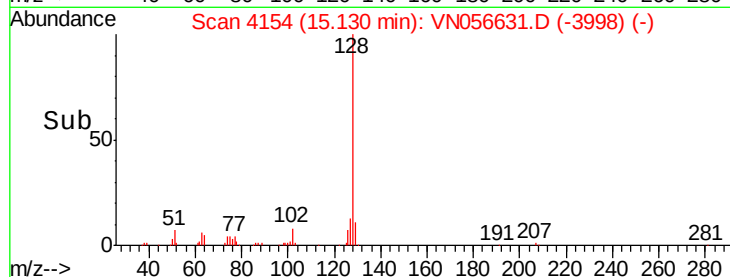
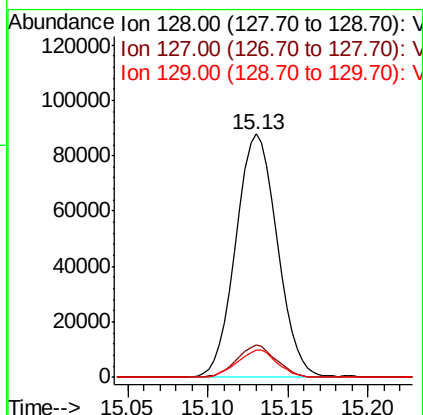
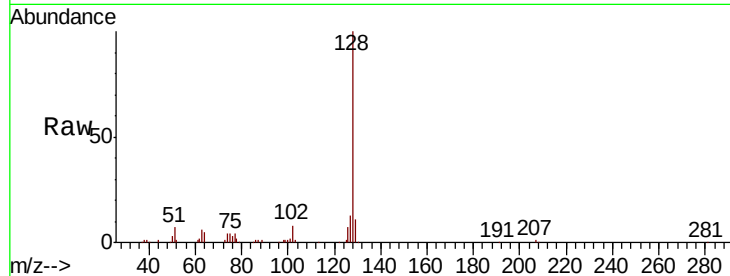




#91
Naphthalene
Concen: 14.965 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 155524
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 10.9 8.7 13.1



#92
1,2,3-Trichlorobenzene
Concen: 17.125 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN056631.D
Acq: 9 Jul 2019 16:12

Tgt Ion:180 Resp: 66577
Ion Ratio Lower Upper
180 100
182 94.2 0.0 193.4
145 29.1 0.0 59.8

