

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032619\
 Data File : VN054692.D
 Acq On : 26 Mar 2019 12:20
 Operator : JC/SP
 Sample : VN0326WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 27 04:05:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	395603	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	662057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	570554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	244928	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	276867	56.27	ug/l	0.00
Spiked Amount			Recovery	=	112.54%	
35) Dibromofluoromethane	7.59	113	220248	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
50) Toluene-d8	10.09	98	798563	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
62) 4-Bromofluorobenzene	12.40	95	269967	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	81940	21.667	ug/l	98
3) Chloromethane	2.06	50	110991	21.570	ug/l	98
4) Vinyl Chloride	2.19	62	104206	20.171	ug/l	100
5) Bromomethane	2.58	94	60753	18.187	ug/l	94
6) Chloroethane	2.71	64	58741	18.957	ug/l	97
7) Trichlorofluoromethane	3.03	101	129310	20.611	ug/l	98
8) Diethyl Ether	3.41	74	43419	17.995	ug/l	66
9) 1,1,2-Trichlorotrifluoroet	3.75	101	68901	18.687	ug/l	94
10) Methyl Iodide	3.94	142	96087	17.716	ug/l #	87
11) Tert butyl alcohol	4.82	59	31145	104.546	ug/l	97
12) 1,1-Dichloroethene	3.73	96	67924	17.801	ug/l #	71
13) Acrolein	3.61	56	41729	101.502	ug/l	95
14) Allyl chloride	4.32	41	160497	22.337	ug/l #	90
15) Acrylonitrile	5.00	53	169309	114.124	ug/l	98
16) Acetone	3.82	43	129914	87.815	ug/l #	82
17) Carbon Disulfide	4.04	76	186700	18.261	ug/l	99
18) Methyl Acetate	4.33	43	75761	22.976	ug/l #	89
19) Methyl tert-butyl Ether	5.05	73	241914	21.724	ug/l	96
20) Methylene Chloride	4.55	84	92820	21.284	ug/l #	85
21) trans-1,2-Dichloroethene	5.04	96	84831	21.772	ug/l	85
22) Diisopropyl ether	5.96	45	333910	23.560	ug/l #	94
23) Vinyl Acetate	5.90	43	1149786	114.866	ug/l #	92
24) 1,1-Dichloroethane	5.85	63	175114	22.947	ug/l	97
25) 2-Butanone	6.85	43	208564	110.054	ug/l	89
26) 2,2-Dichloropropane	6.82	77	118289	21.745	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	101328	21.803	ug/l	88
28) Bromochloromethane	7.19	49	90175	24.007	ug/l #	72
29) Tetrahydrofuran	7.22	42	141502	115.061	ug/l #	84
30) Chloroform	7.37	83	169761	22.795	ug/l	99
31) Cyclohexane	7.65	56	161498	21.009	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	136640	22.239	ug/l	95
36) 1,1-Dichloropropene	7.79	75	121984	19.706	ug/l	96
37) Ethyl Acetate	6.94	43	95992	21.803	ug/l #	94
38) Carbon Tetrachloride	7.77	117	117701	19.566	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	133174	18.807	ug/l	89
40) Benzene	8.04	78	366242	20.690	ug/l	98
41) Methacrylonitrile	7.18	41	56424	21.014	ug/l	88
42) 1,2-Dichloroethane	8.13	62	135855	21.074	ug/l	96
43) Isopropyl Acetate	8.17	43	156188	21.005	ug/l #	93
44) Trichloroethene	8.83	130	95908	19.488	ug/l	91
45) 1,2-Dichloropropane	9.12	63	104731	22.034	ug/l	99
46) Dibromomethane	9.21	93	59932	21.135	ug/l	89
47) Bromodichloromethane	9.40	83	127634	21.688	ug/l	96
48) Methyl methacrylate	9.20	41	83271	20.633	ug/l #	85
49) 1,4-Dioxane	9.20	88	17850	395.633	ug/l #	83
51) 4-Methyl-2-Pentanone	9.99	43	445584	108.129	ug/l	93
52) Toluene	10.16	92	219552	20.166	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	111672	19.417	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	139175	20.625	ug/l #	87
55) 1,1,2-Trichloroethane	10.56	97	82258	21.019	ug/l	96
56) Ethyl methacrylate	10.43	69	103835	19.768	ug/l #	82
57) 1,3-Dichloropropane	10.71	76	145559	21.396	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	186657	86.296	ug/l	89
59) 2-Hexanone	10.75	43	275597	102.388	ug/l	91
60) Dibromochloromethane	10.90	129	83638	20.084	ug/l	99
61) 1,2-Dibromoethane	11.00	107	79641	20.584	ug/l	99
64) Tetrachloroethene	10.63	164	91738	19.385	ug/l	92
65) Chlorobenzene	11.43	112	236508	20.381	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	87435	20.992	ug/l	98
67) Ethyl Benzene	11.51	91	419721	20.476	ug/l	98
68) m/p-Xylenes	11.62	106	308117	39.684	ug/l	94
69) o-Xylene	11.95	106	153734	20.275	ug/l	96
70) Styrene	11.96	104	251152	20.396	ug/l	97
71) Bromoform	12.13	173	49736	18.771	ug/l #	99
73) Isopropylbenzene	12.25	105	403365	20.437	ug/l	98
74) N-amyl acetate	12.07	43	124610	21.958	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.50	83	102448	22.739	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	116535	29.984	ug/l #	100
77) Bromobenzene	12.53	156	98545	20.132	ug/l	86
78) n-propylbenzene	12.59	91	449062	20.982	ug/l	96
79) 2-Chlorotoluene	12.67	91	278392	20.860	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	334699	20.691	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19172	19.098	ug/l #	77
82) 4-Chlorotoluene	12.77	91	266297	20.585	ug/l	96
83) tert-Butylbenzene	12.99	119	284636	20.215	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	329302	20.747	ug/l	97
85) sec-Butylbenzene	13.17	105	364089	20.743	ug/l	97
86) p-Isopropyltoluene	13.29	119	321702	20.486	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	164555	20.286	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	156130	19.782	ug/l	96
89) n-Butylbenzene	13.61	91	248666	20.251	ug/l	98
90) Hexachloroethane	13.87	117	51529	21.140	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	164641	20.955	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15162	22.944	ug/l	76

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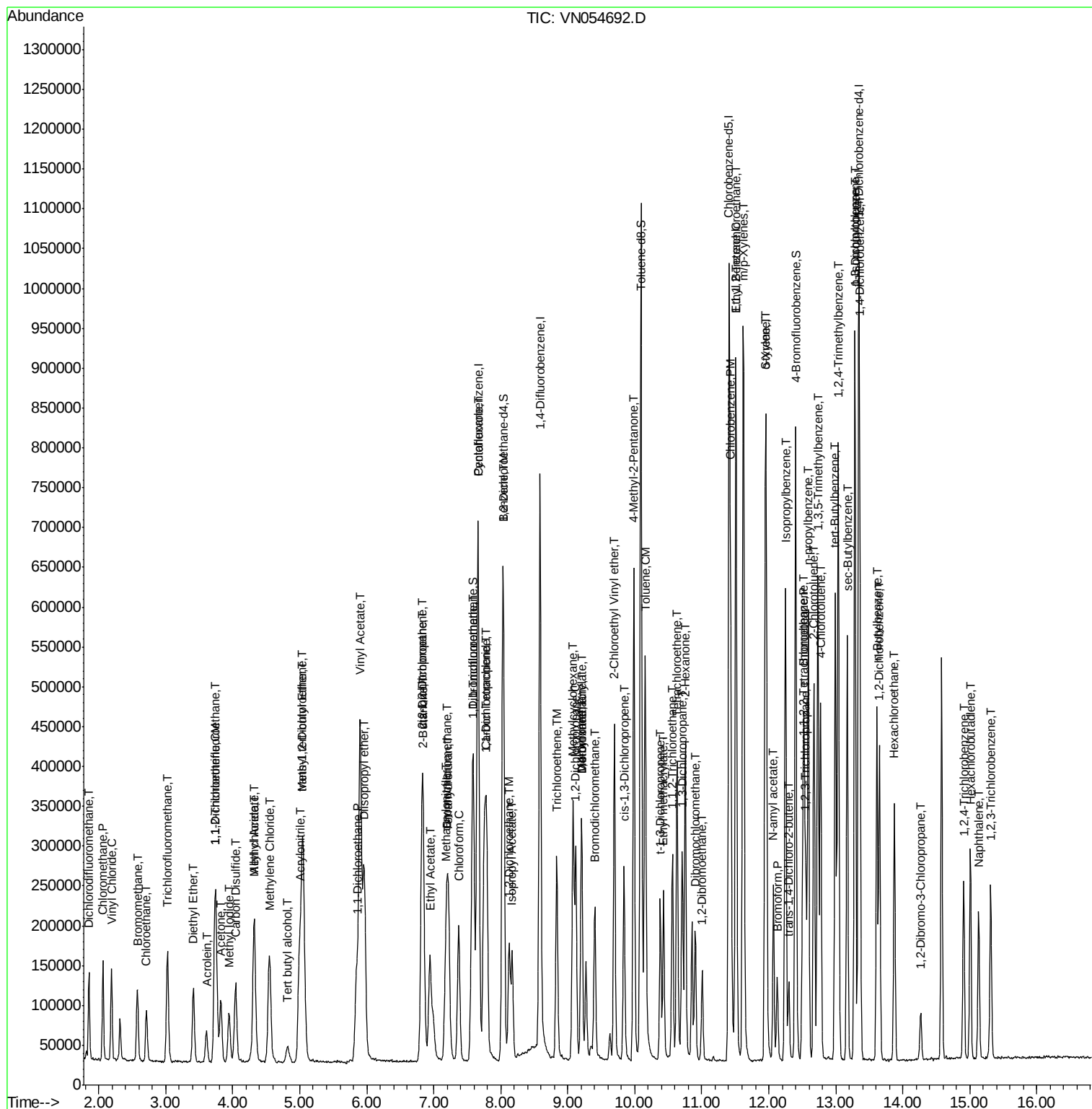
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	71862	18.347	ug/l	99
94) Hexachlorobutadiene	15.01	225	52435	22.462	ug/l	99
95) Naphthalene	15.13	128	160454	18.366	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	74958	19.229	ug/l	99

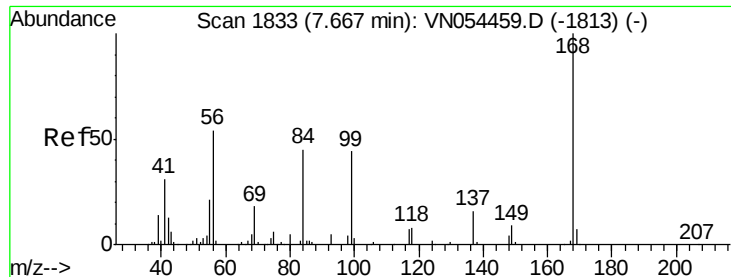
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

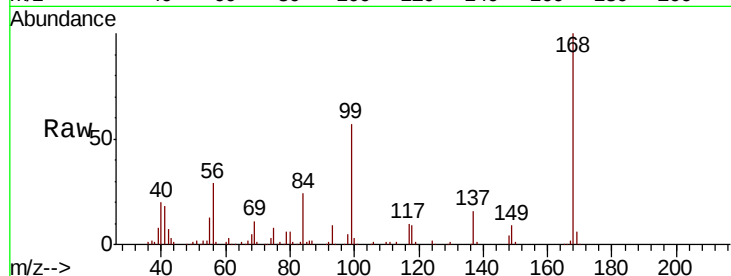
ClientSampled :

Tot Ion:168 Resp: 395603

Ion Ratio Lower Upper

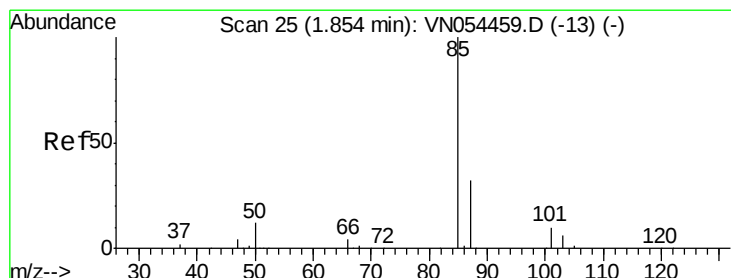
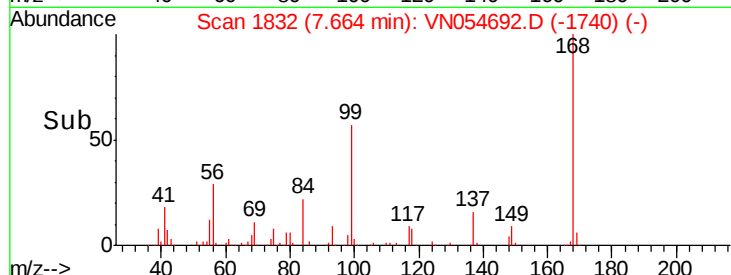
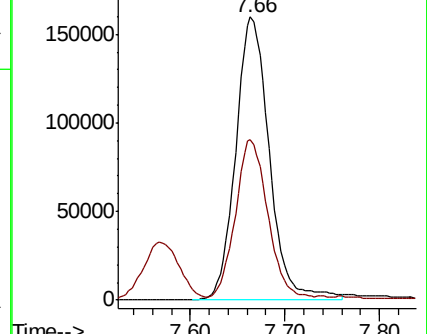
168 100

99 55.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 21.667 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054692.D

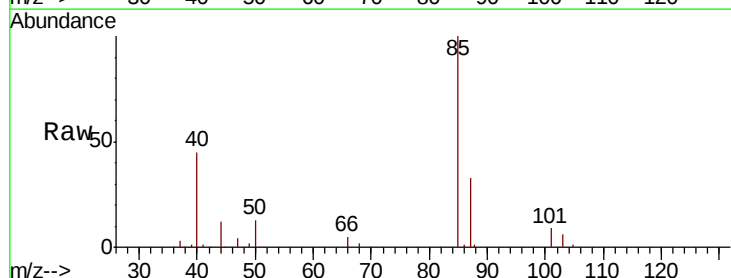
Acq: 26 Mar 2019 12:20

Tgt Ion: 85 Resp: 81940

Ion Ratio Lower Upper

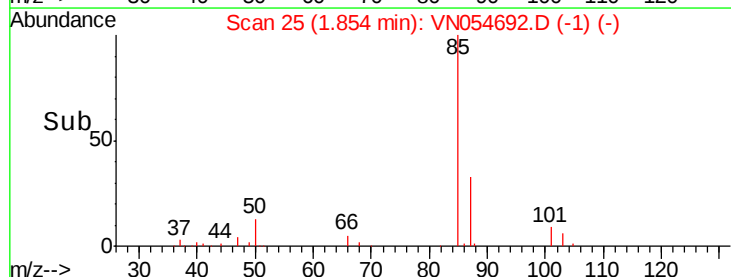
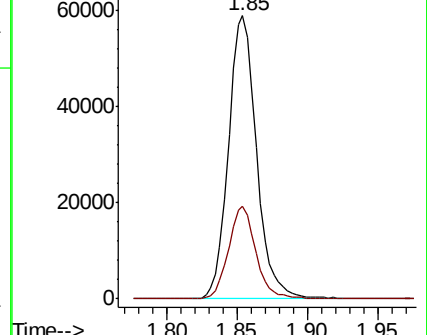
85 100

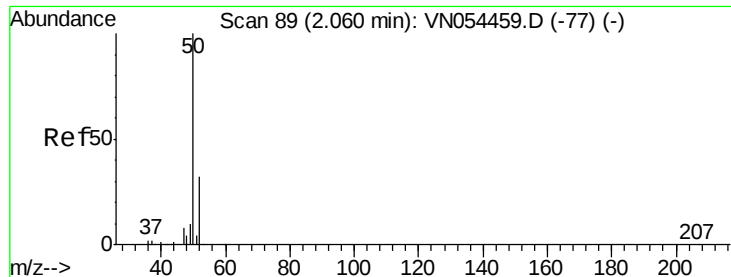
87 32.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 21.570 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

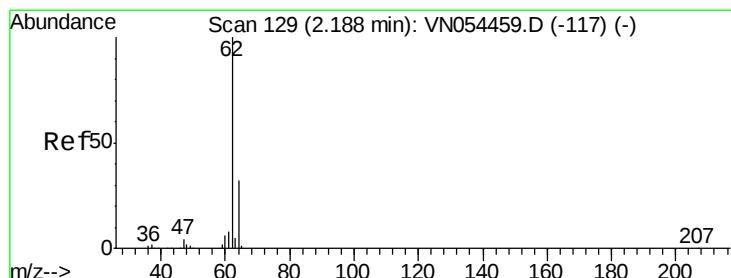
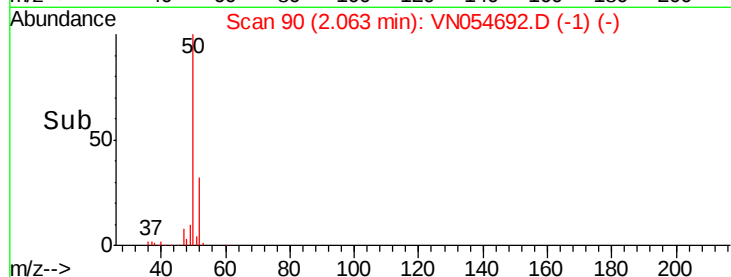
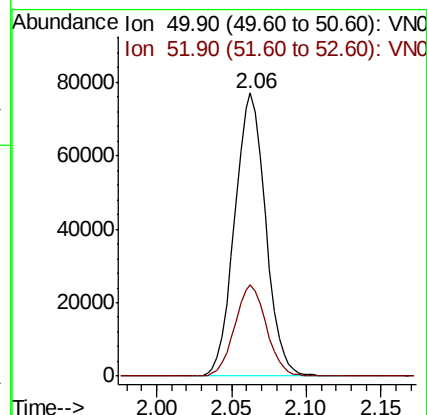
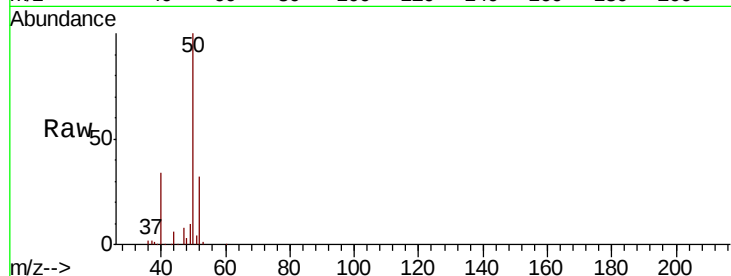
ClientSampled :

Tot Ion: 50 Resp: 110991

Ion Ratio Lower Upper

50 100

52 32.1 26.4 39.6



#4

Vinyl Chloride

Concen: 20.171 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054692.D

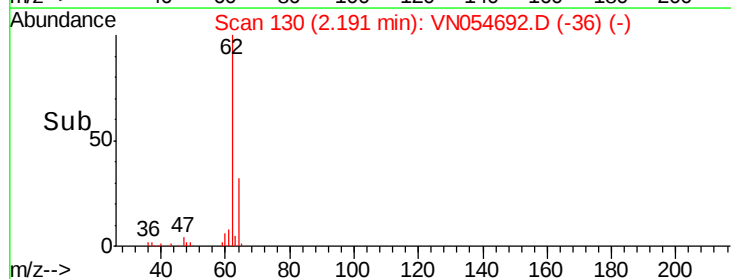
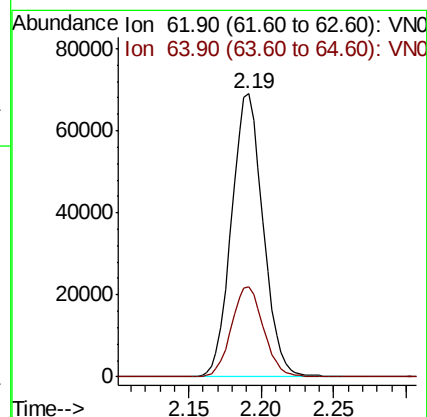
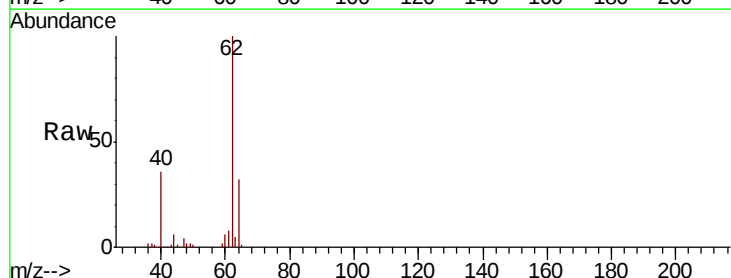
Acq: 26 Mar 2019 12:20

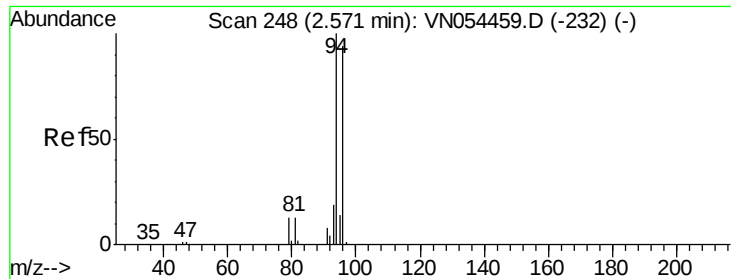
Tgt Ion: 62 Resp: 104206

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 18.187 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

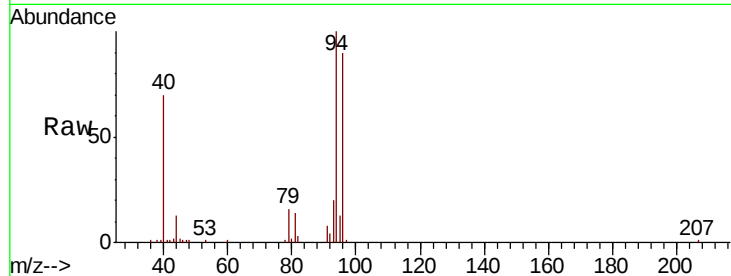
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 60753

Ion Ratio Lower Upper

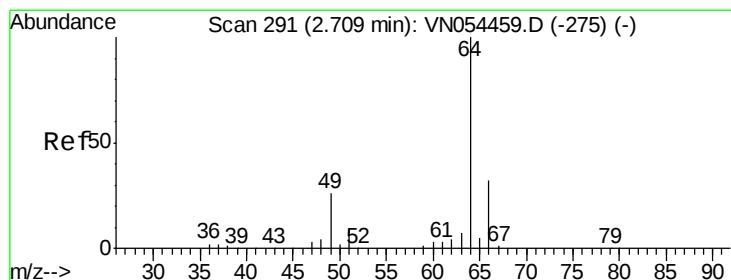
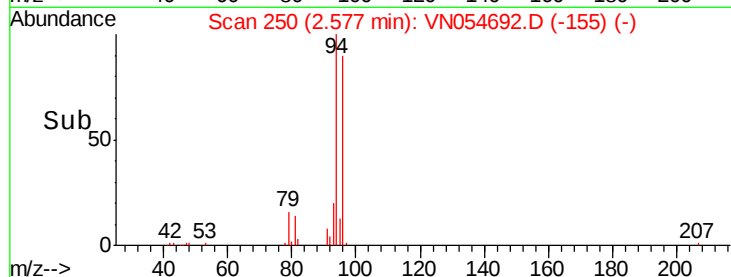
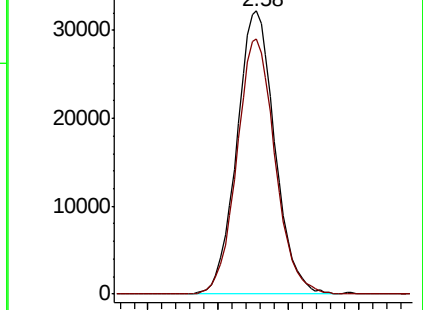
94 100

96 90.0 77.0 115.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.957 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054692.D

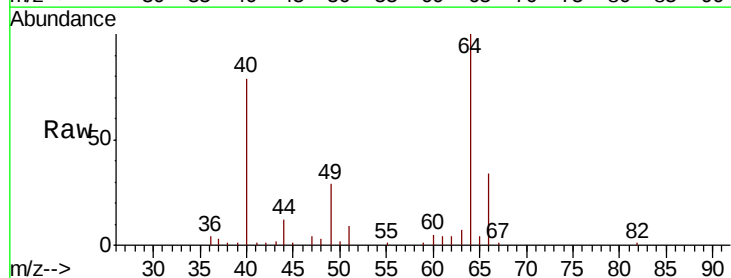
Acq: 26 Mar 2019 12:20

Tgt Ion: 64 Resp: 58741

Ion Ratio Lower Upper

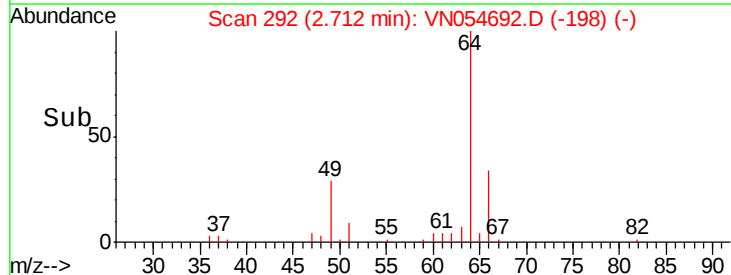
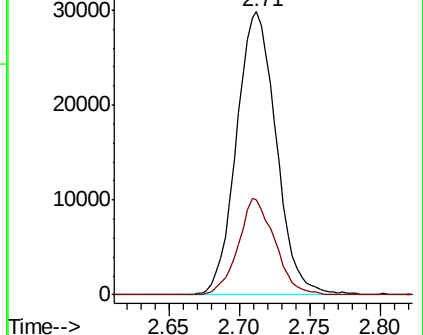
64 100

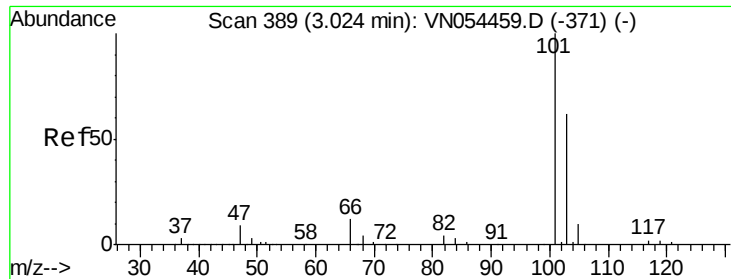
66 33.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



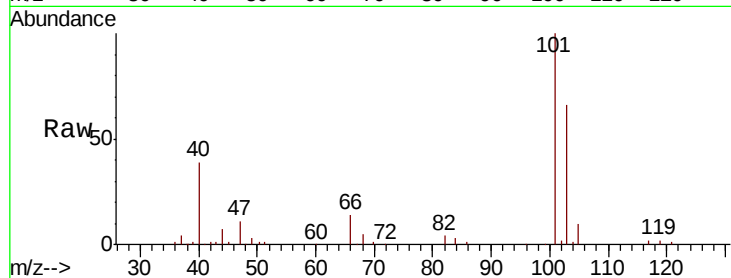


#7

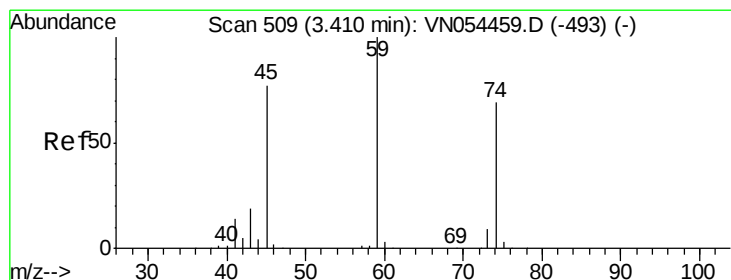
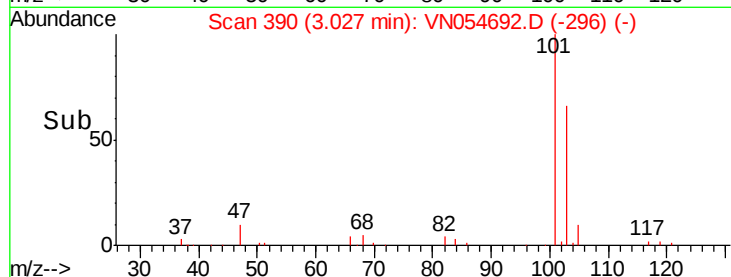
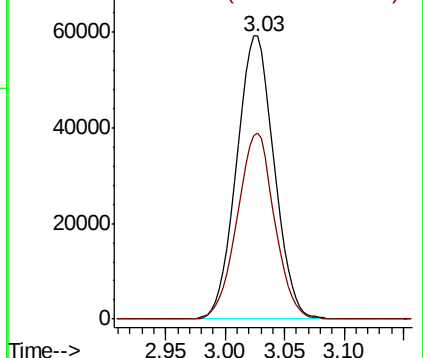
Trichlorofluoromethane
Concen: 20.611 ug/l
RT: 3.03 min Scan# 390
Delta R.T. 0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 129310
Ion Ratio Lower Upper
101 100
103 65.9 51.4 77.2



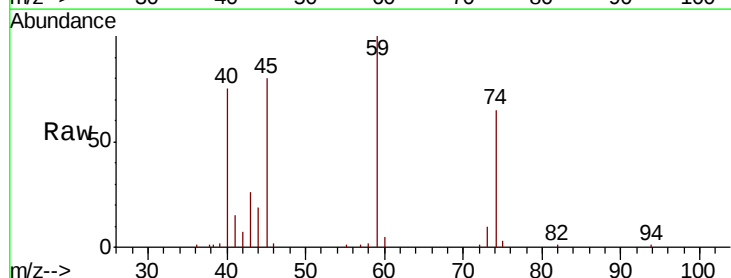
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



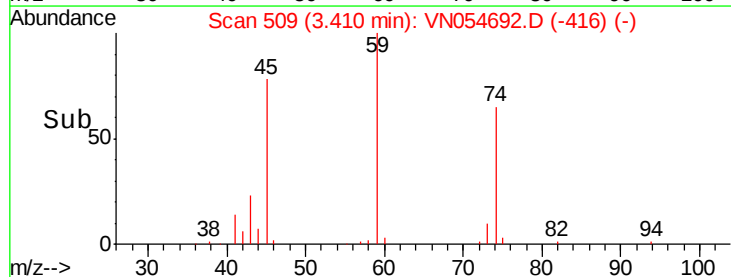
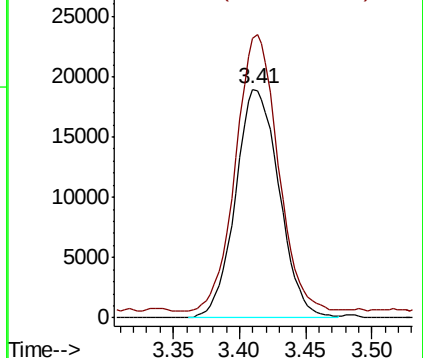
#8

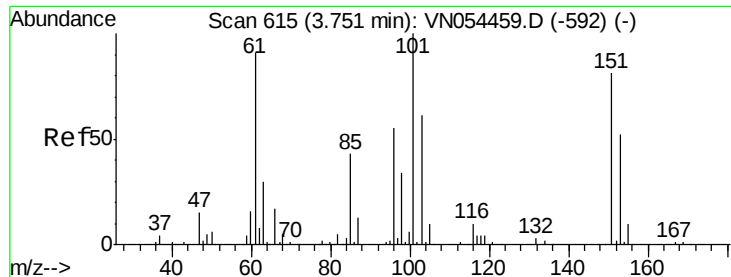
Diethyl Ether
Concen: 17.995 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054692.D
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Tgt Ion: 74 Resp: 43419
Ion Ratio Lower Upper
74 100
45 117.9 43.1 129.4



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.687 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

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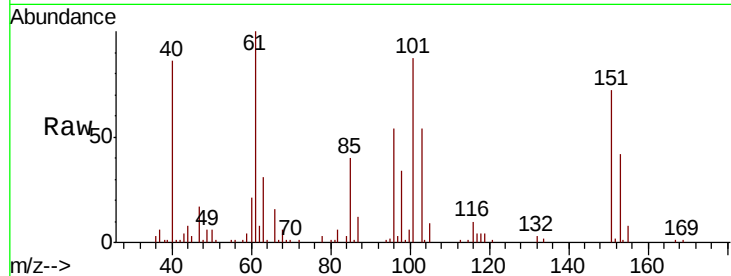
Tot Ion:101 Resp: 68901

Ion Ratio Lower Upper

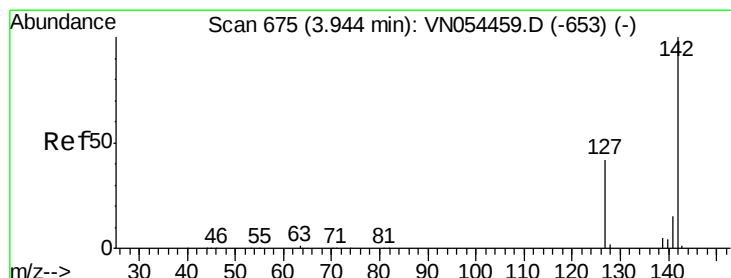
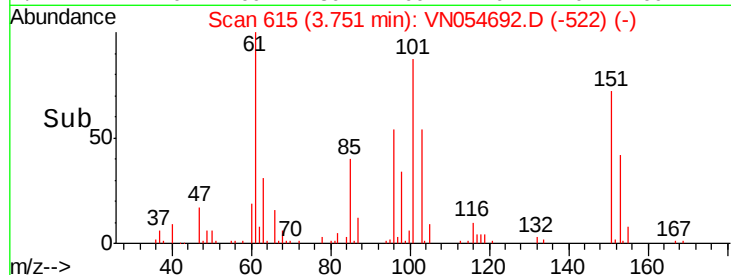
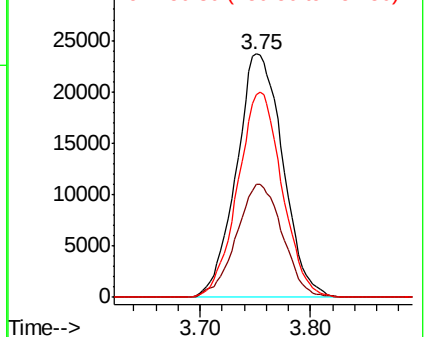
101 100

85 46.3 32.4 48.6

151 80.6 68.2 102.2



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.716 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

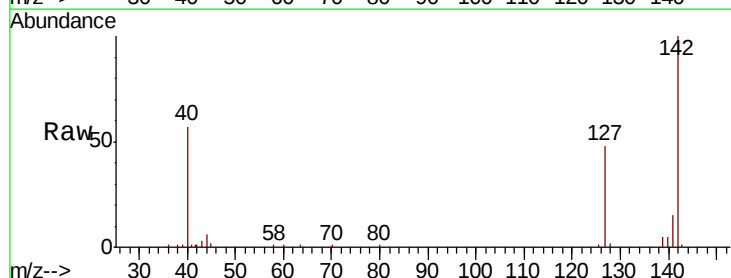
Tgt Ion:142 Resp: 96087

Ion Ratio Lower Upper

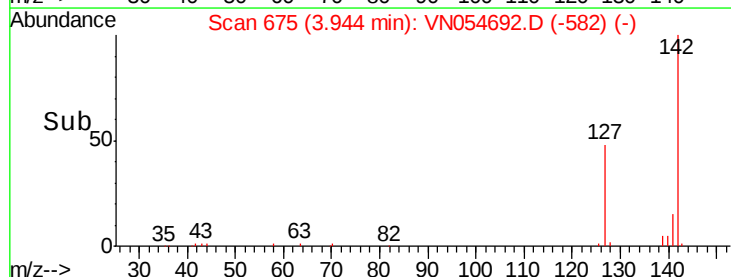
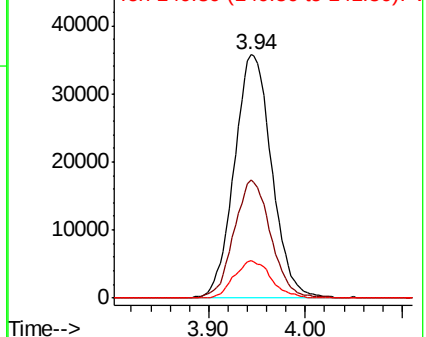
142 100

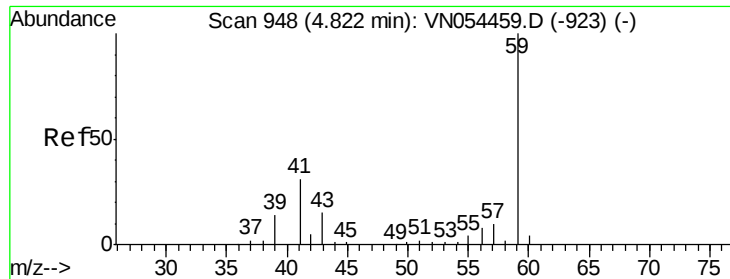
127 47.6 30.3 45.5#

141 15.2 11.2 16.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

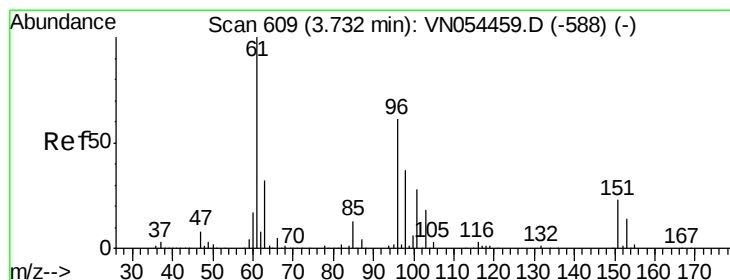
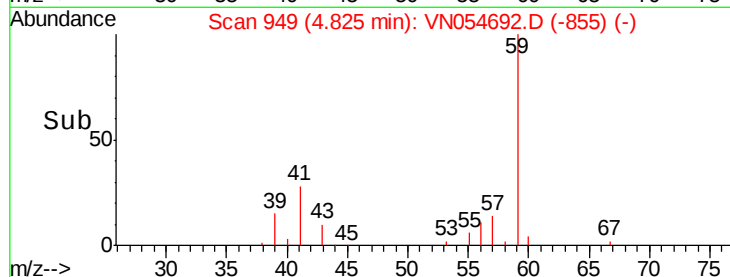
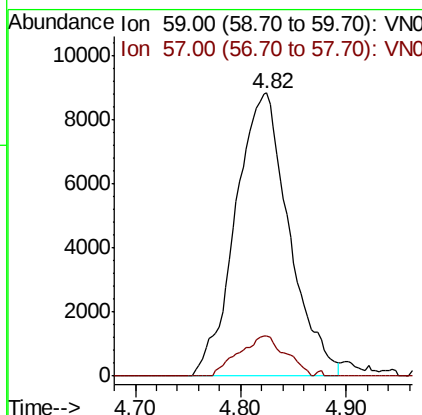
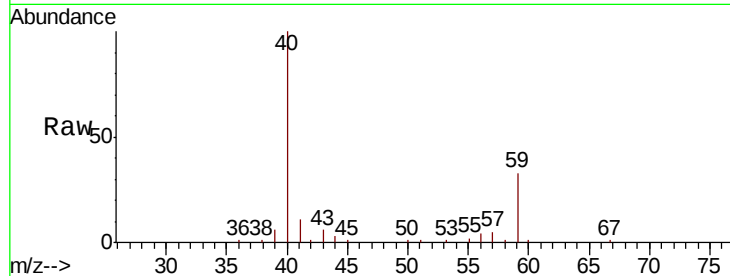




#11
Tert butyl alcohol
Concen: 104.546 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

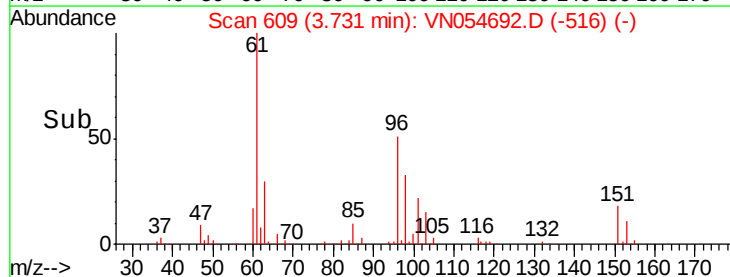
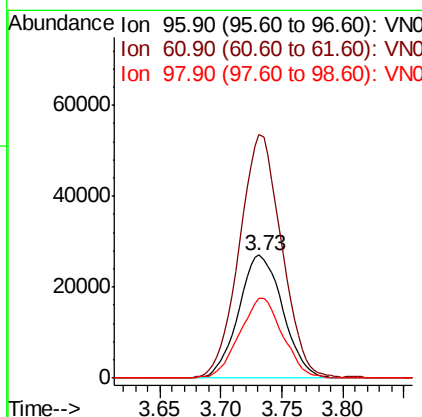
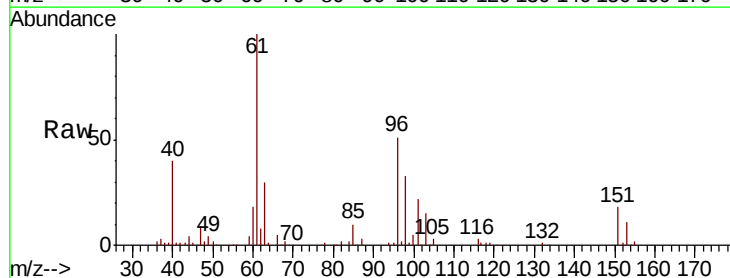
Instrument :
MSVOA_N
ClientSampleId :

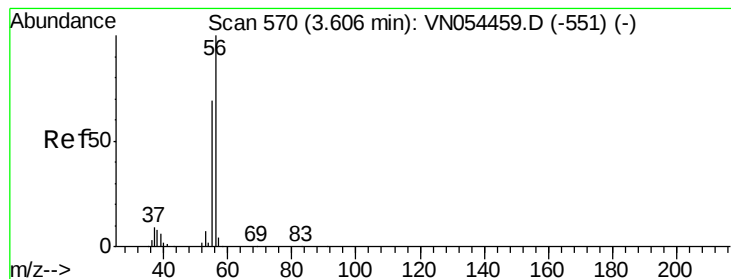
Tot Ion: 59 Resp: 31145
Ion Ratio Lower Upper
59 100
57 12.4 9.0 13.6



#12
1,1-Dichloroethene
Concen: 17.801 ug/l
RT: 3.73 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 96 Resp: 67924
Ion Ratio Lower Upper
96 100
61 197.5 116.5 174.7#
98 64.3 51.0 76.4





#13

Acrolein

Concen: 101.502 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

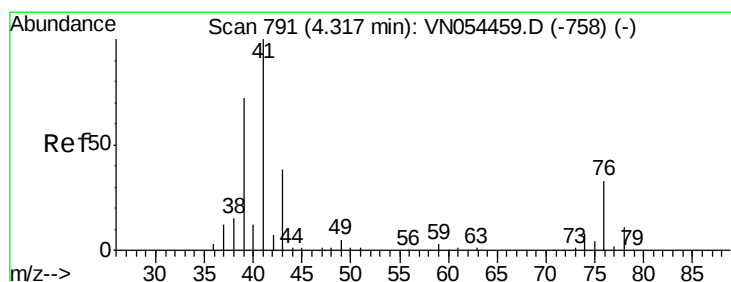
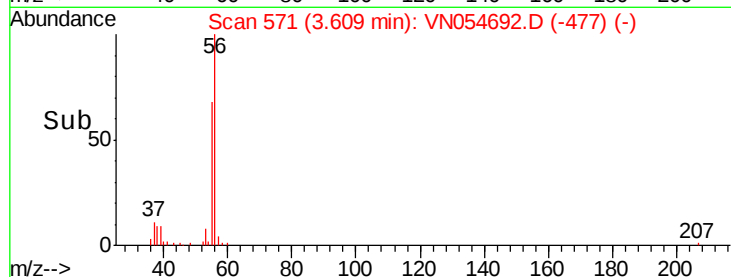
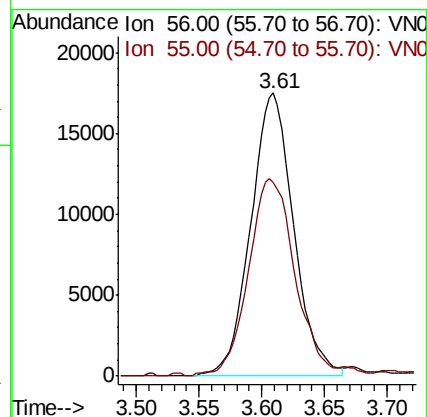
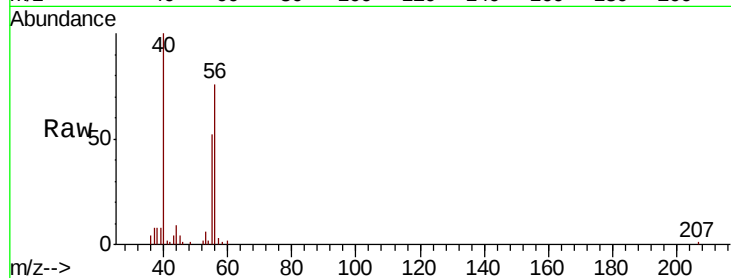
ClientSampleId :

Tot Ion: 56 Resp: 41729

Ion Ratio Lower Upper

56 100

55 75.1 56.7 85.1



#14

Allyl chloride

Concen: 22.337 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

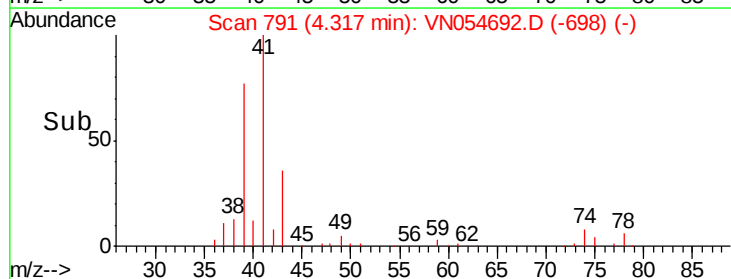
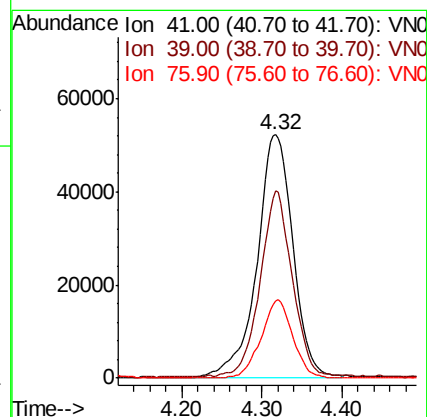
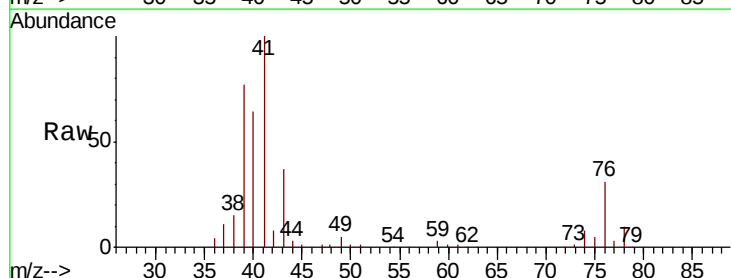
Tgt Ion: 41 Resp: 160497

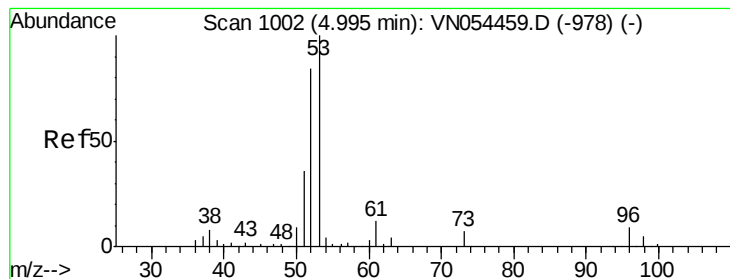
Ion Ratio Lower Upper

41 100

39 67.4 58.2 87.4

76 28.6 31.7 47.5#





#15

Acrylonitrile

Concen: 114.124 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

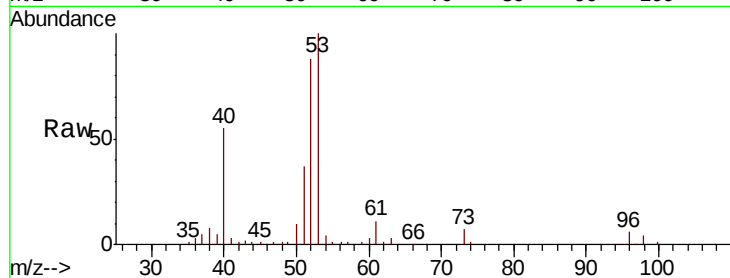
Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 169309

Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.4	99.6
51	36.2	29.6	44.4

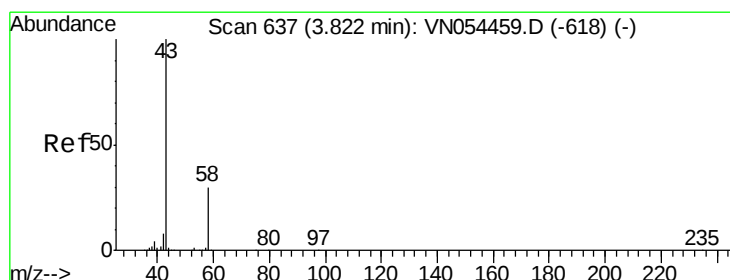
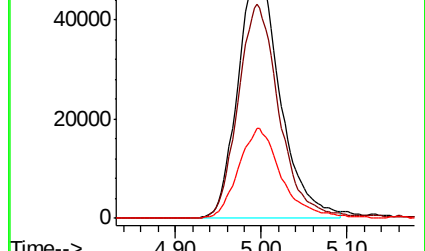
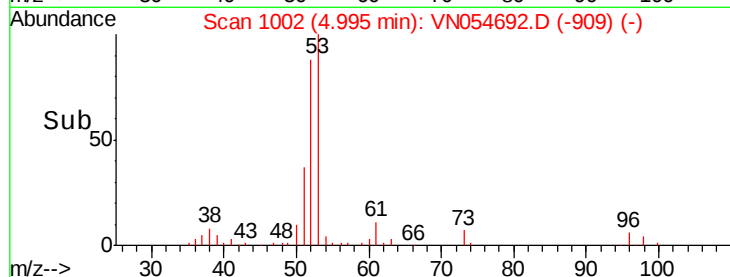


Abundance Ion 53.00 (52.70 to 53.70): VN054459.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN054459.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN054459.D (-978) (-)

Time-->



#16

Acetone

Concen: 87.815 ug/l

RT: 3.82 min Scan# 637

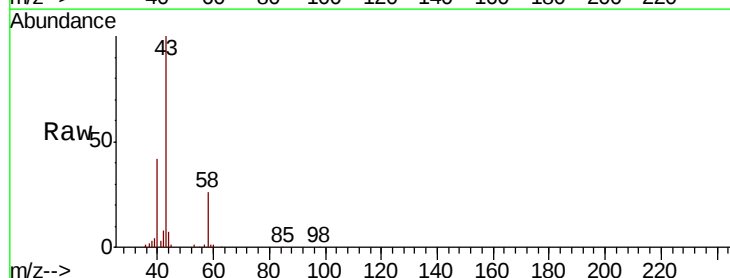
Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Tgt Ion: 43 Resp: 129914

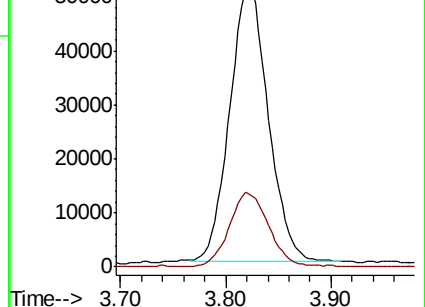
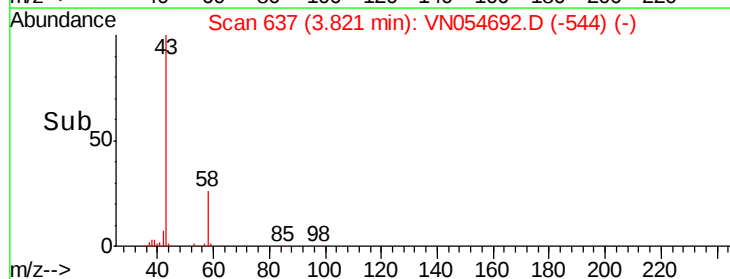
Ion	Ratio	Lower	Upper
43	100		
58	26.5	29.9	44.9#

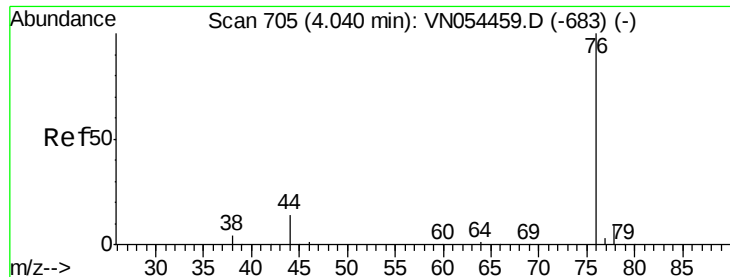


Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-618) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-618) (-)

Time-->





#17

Carbon Disulfide

Concen: 18.261 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

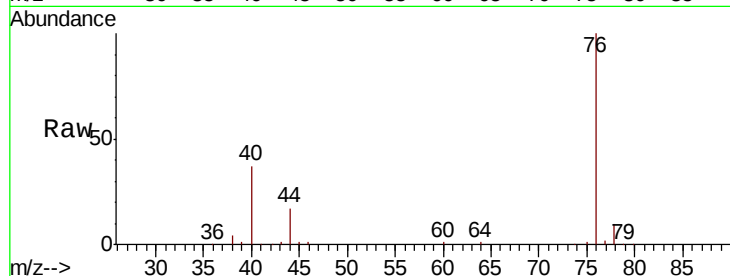
ClientSampled :

Tot Ion: 76 Resp: 186700

Ion Ratio Lower Upper

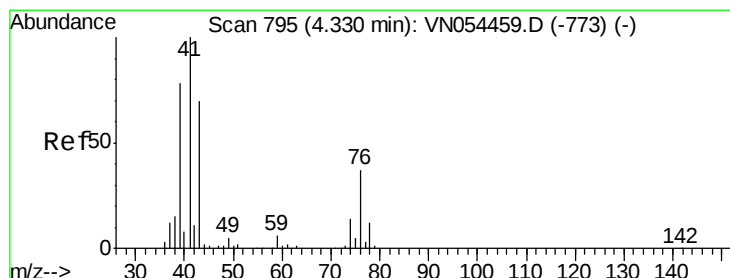
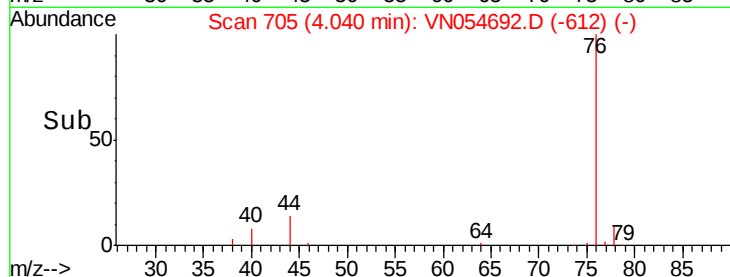
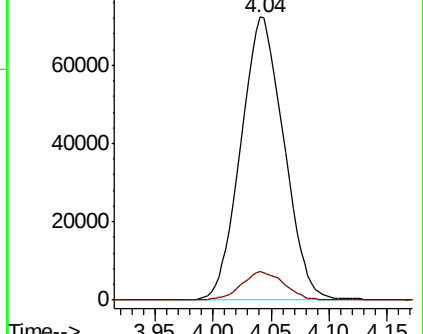
76 100

78 9.9 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.976 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054692.D

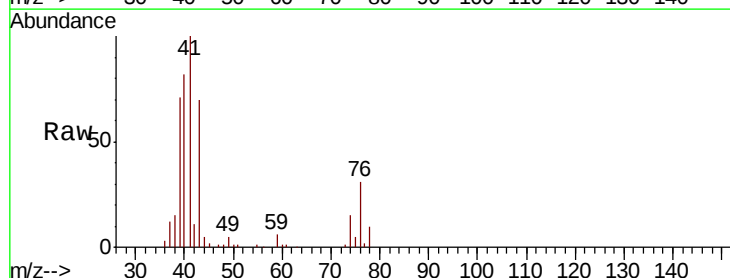
Acq: 26 Mar 2019 12:20

Tgt Ion: 43 Resp: 75761

Ion Ratio Lower Upper

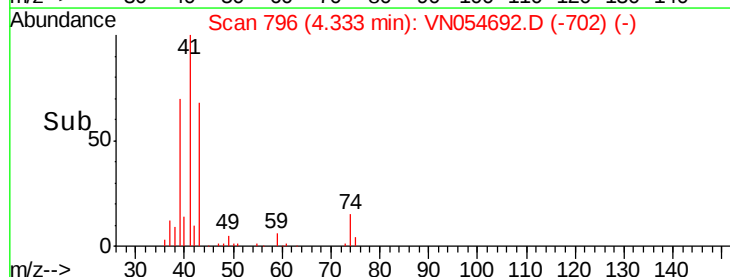
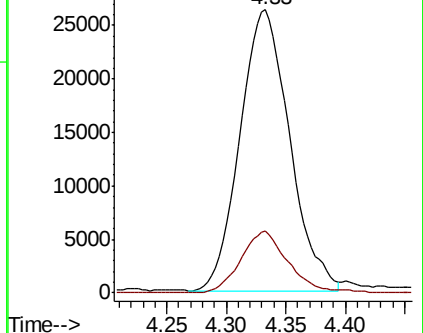
43 100

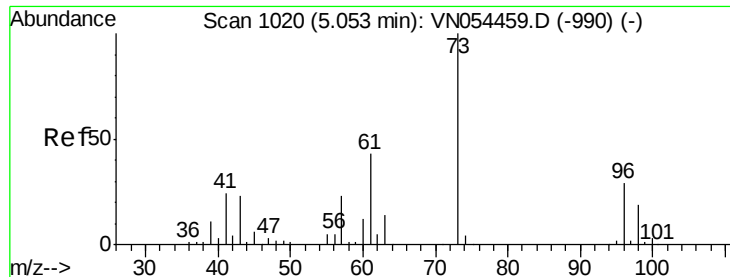
74 20.6 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

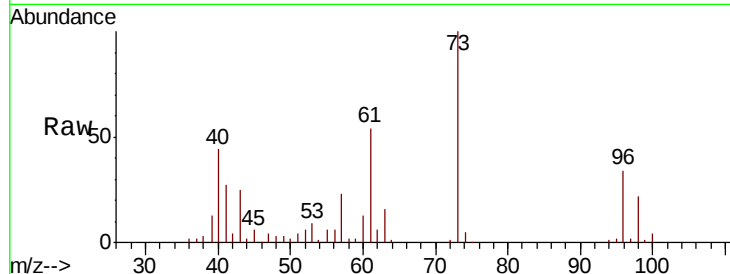




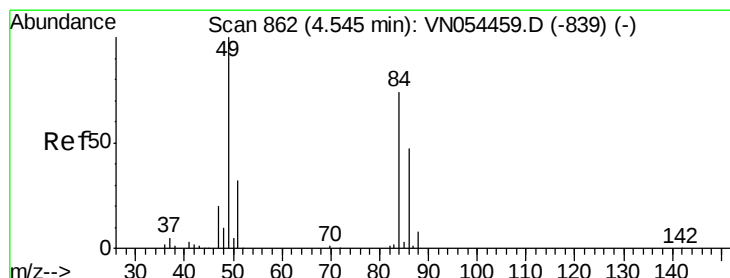
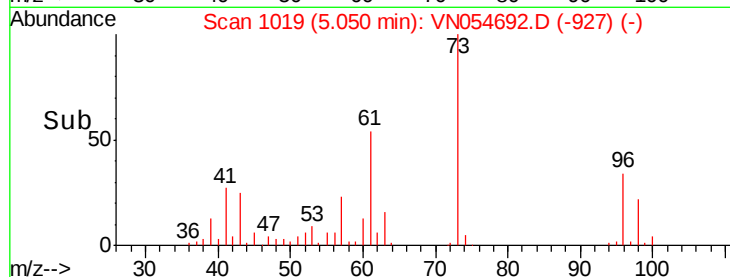
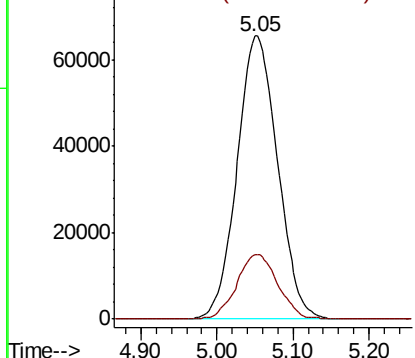
#19
Methyl tert-butyl Ether
Concen: 21.724 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 241914
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2

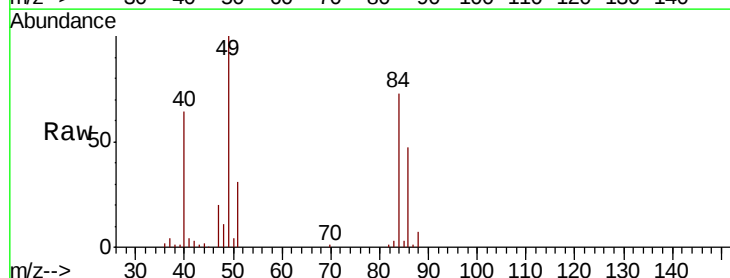


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

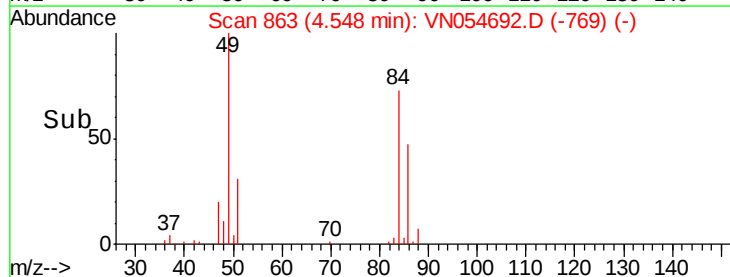
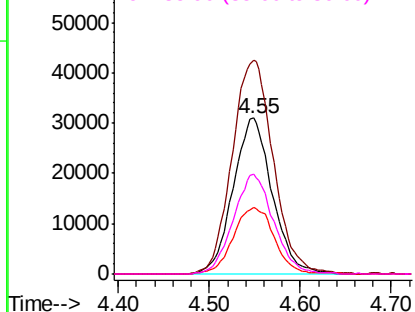


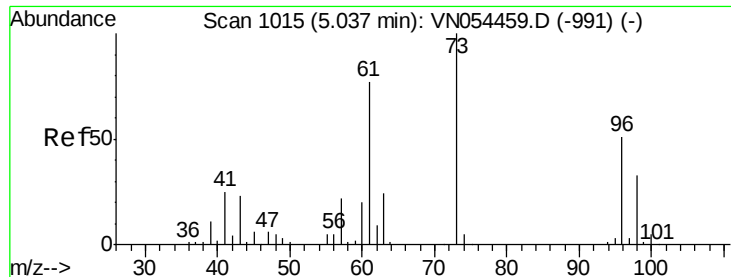
#20
Methylene Chloride
Concen: 21.284 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 84 Resp: 92820
Ion Ratio Lower Upper
84 100
49 137.1 89.7 134.5#
51 42.5 28.2 42.4#
86 63.9 50.8 76.2



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

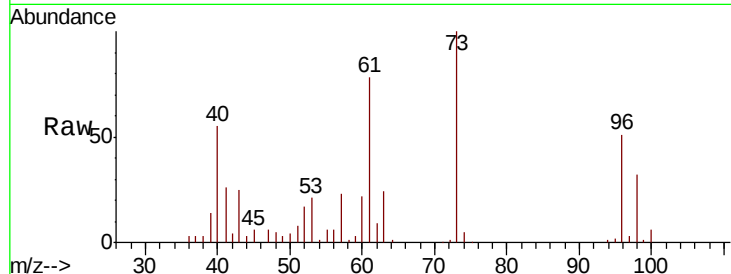




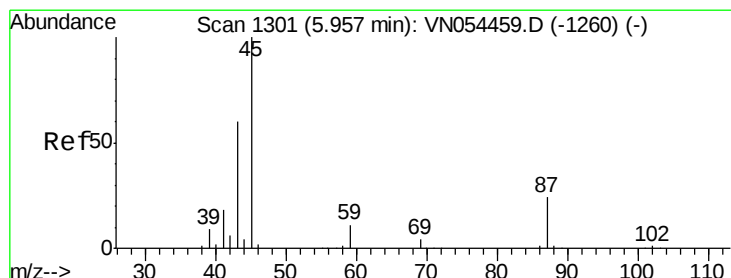
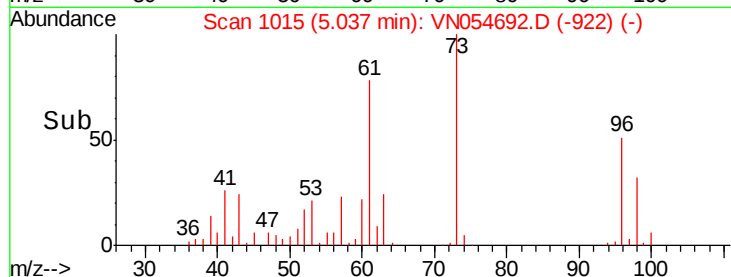
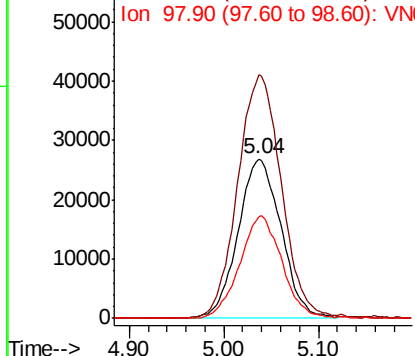
#21
trans-1,2-Dichloroethene
Concen: 21.772 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 84831
Ion Ratio Lower Upper
96 100
61 153.0 102.8 154.2
98 63.7 50.0 75.0

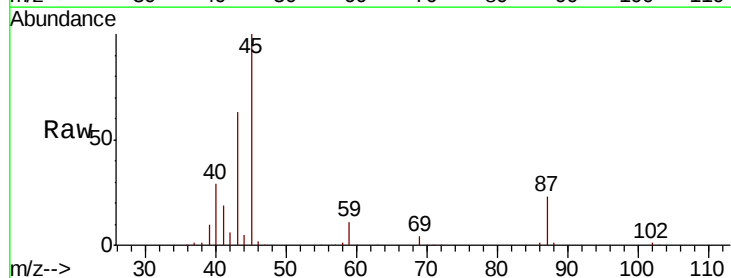


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

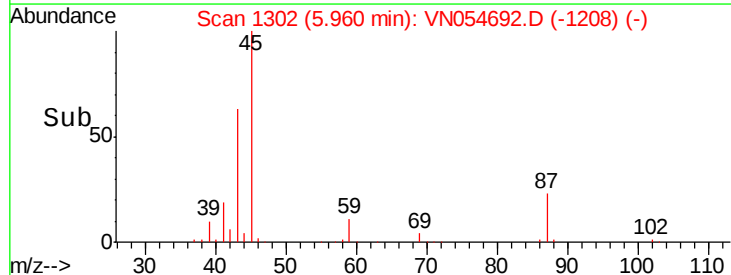
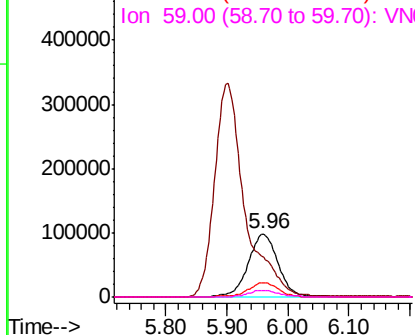


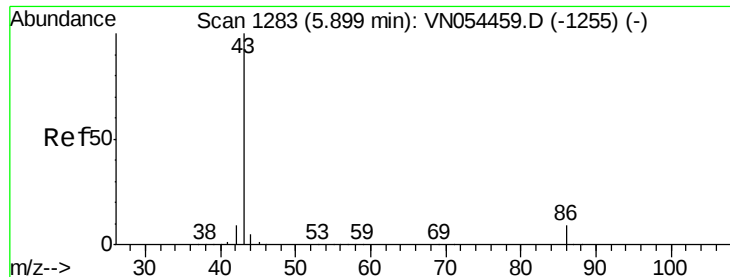
#22
Diisopropyl ether
Concen: 23.560 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 45 Resp: 333910
Ion Ratio Lower Upper
45 100
43 62.0 48.2 72.2
87 23.1 24.9 37.3#
59 10.5 9.5 14.3



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





#23

Vinyl Acetate

Concen: 114.866 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

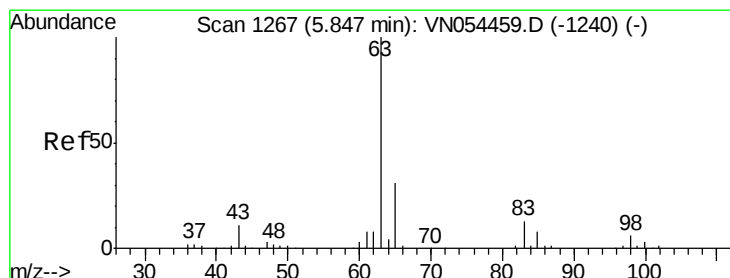
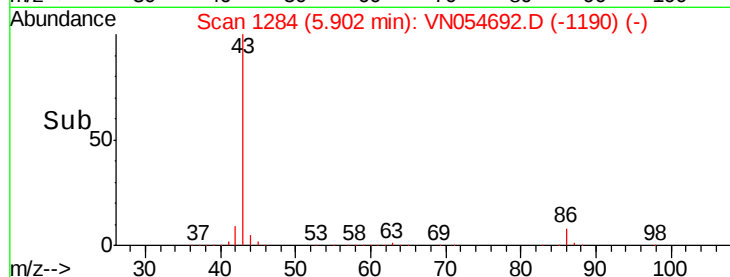
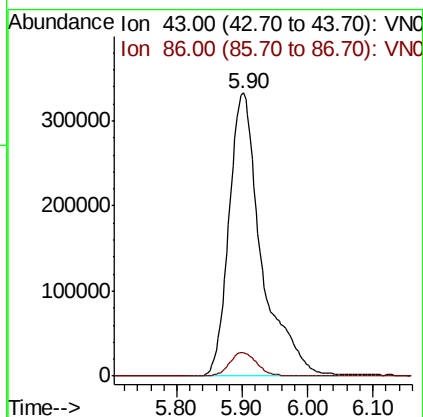
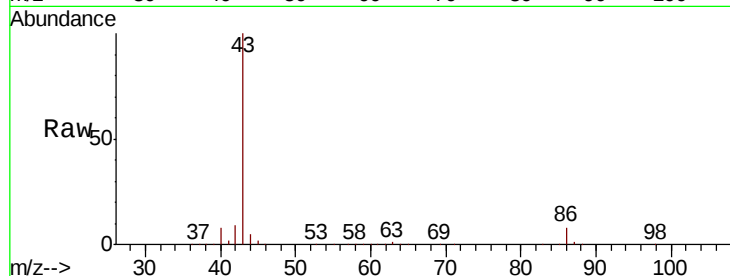
ClientSampled :

Tot Ion: 43 Resp: 1149786

Ion Ratio Lower Upper

43 100

86 8.3 9.1 13.7#



#24

1,1-Dichloroethane

Concen: 22.947 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

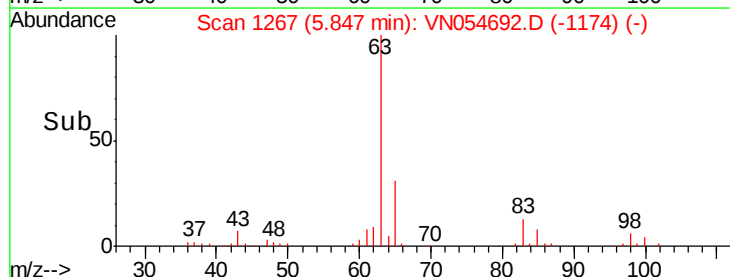
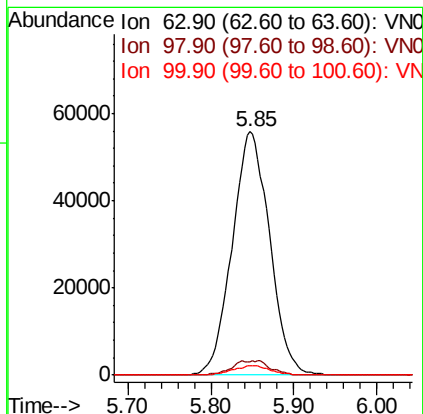
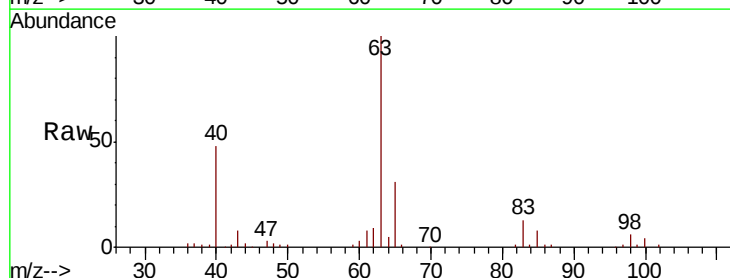
Tgt Ion: 63 Resp: 175114

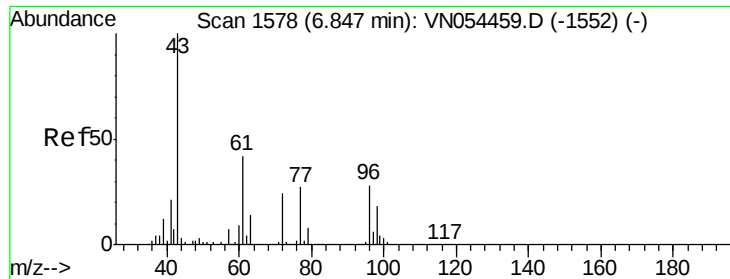
Ion Ratio Lower Upper

63 100

98 5.5 3.5 10.5

100 3.8 2.0 6.0

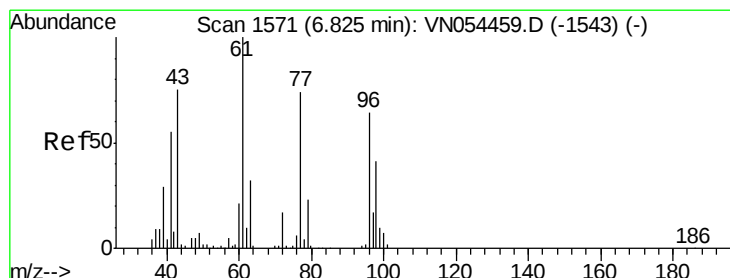
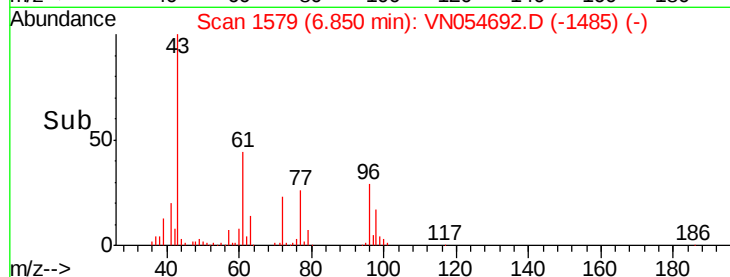
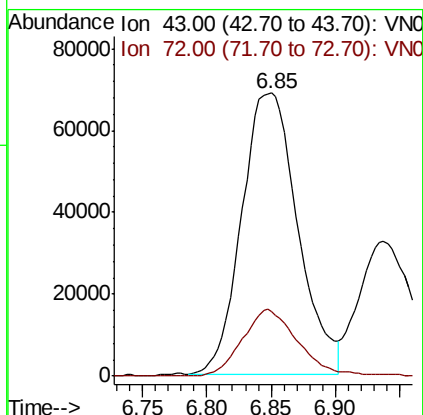
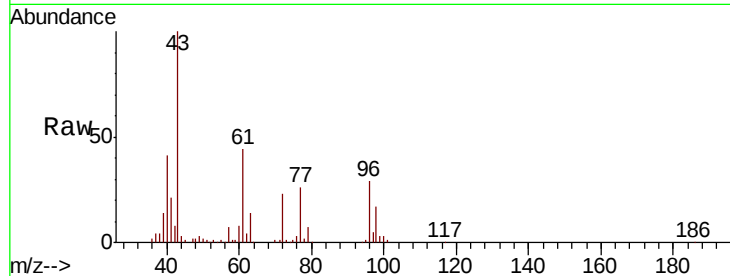




#25
2-Butanone
Concen: 110.054 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

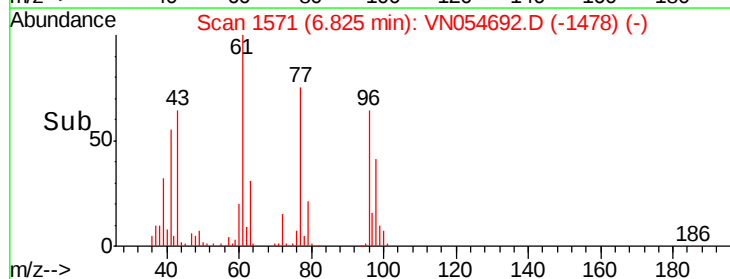
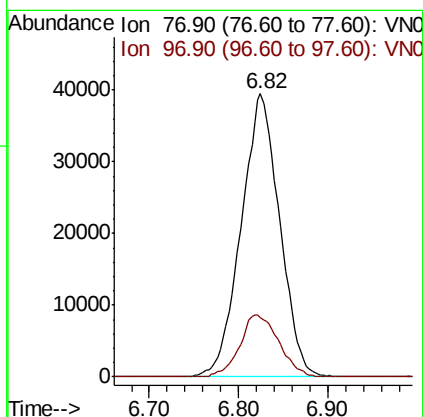
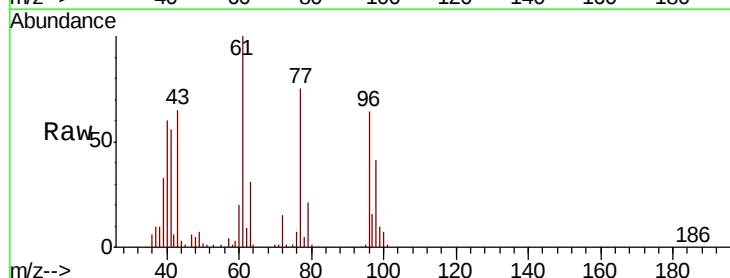
Instrument :
MSVOA_N
ClientSampled :

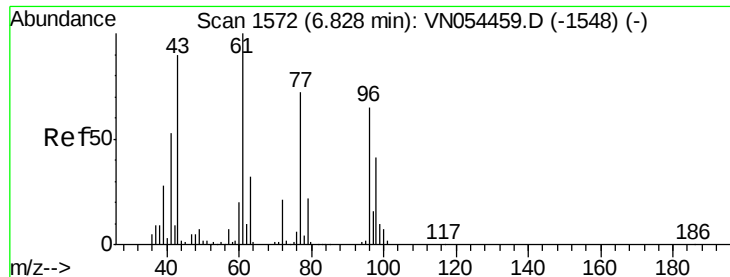
Tot Ion: 43 Resp: 208564
Ion Ratio Lower Upper
43 100
72 23.1 23.0 34.6



#26
2,2-Dichloropropane
Concen: 21.745 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 77 Resp: 118289
Ion Ratio Lower Upper
77 100
97 22.2 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.803 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampled :

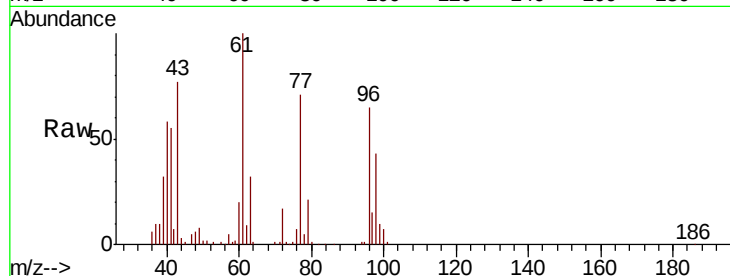
Tot Ion: 96 Resp: 101328

Ion Ratio Lower Upper

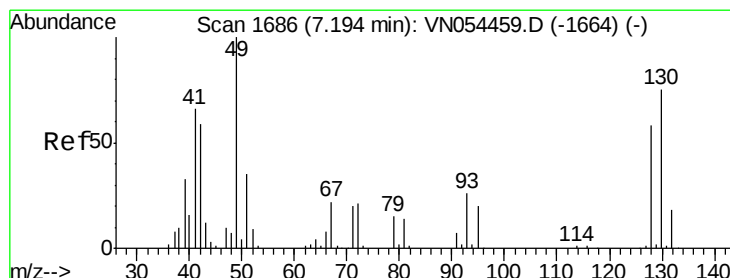
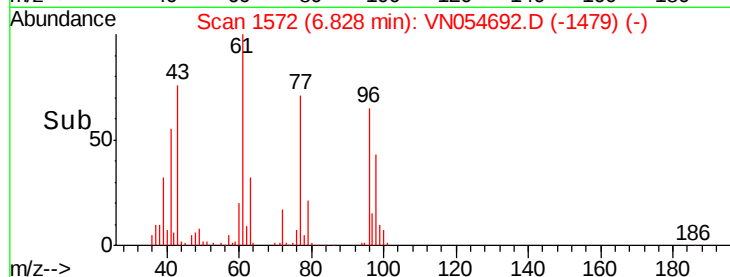
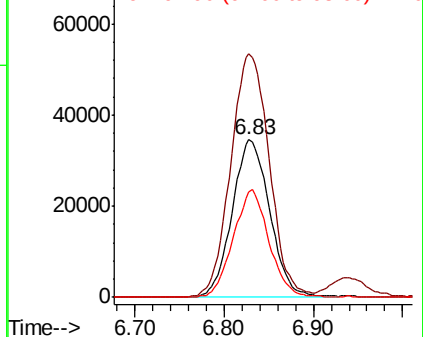
96 100

61 158.0 0.0 273.0

98 64.8 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 24.007 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

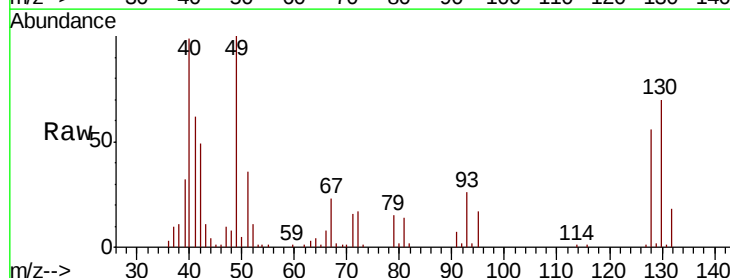
Tgt Ion: 49 Resp: 90175

Ion Ratio Lower Upper

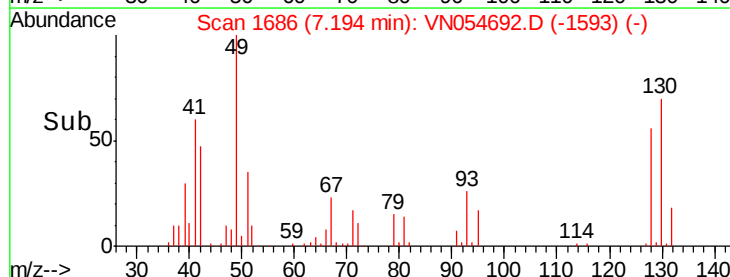
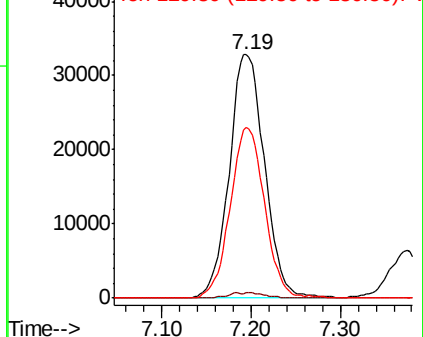
49 100

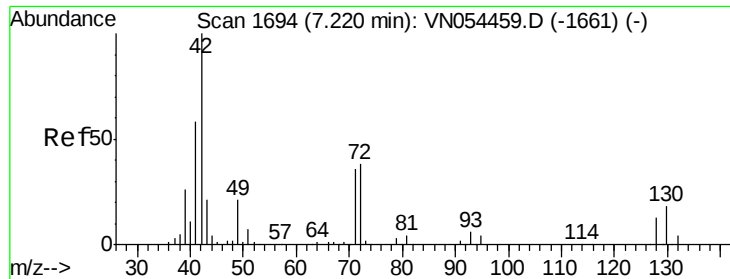
129 1.0 0.0 4.6

130 67.7 76.7 115.1#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

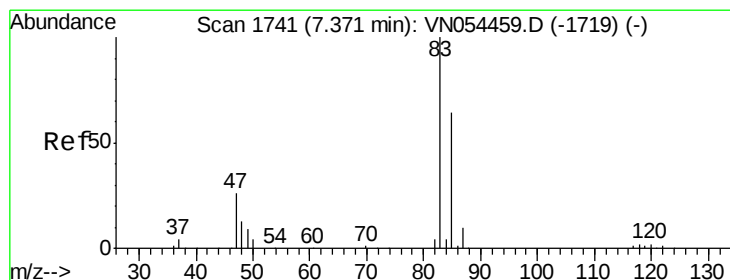
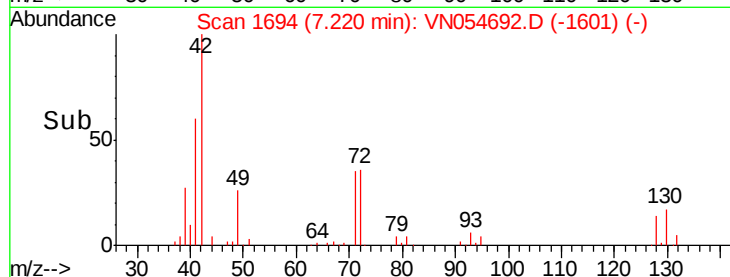
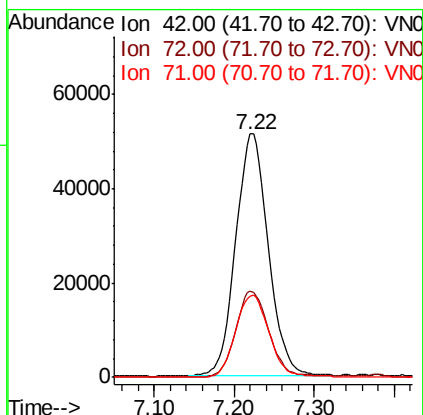
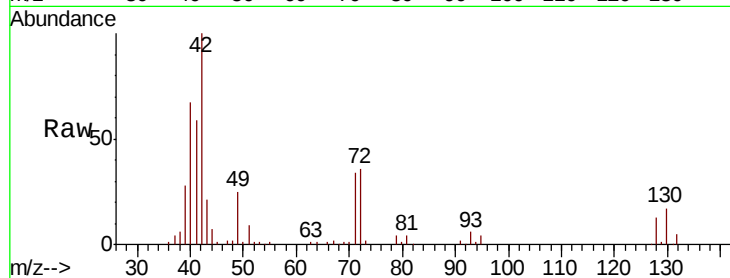




#29
Tetrahydrofuran
Concen: 115.061 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

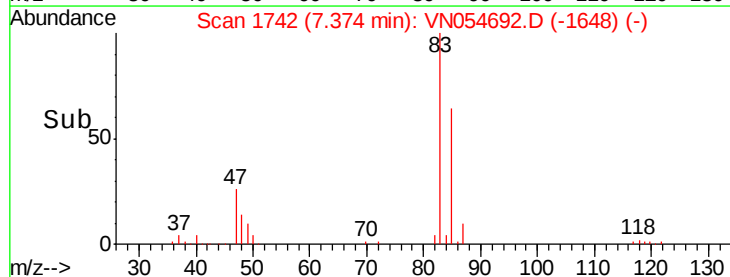
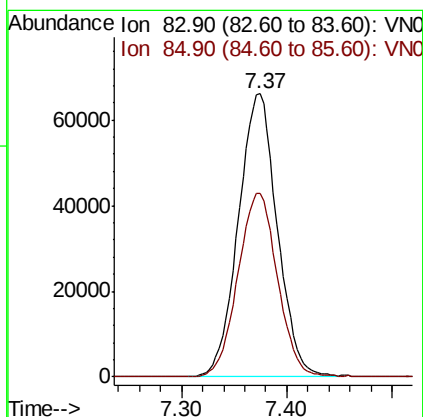
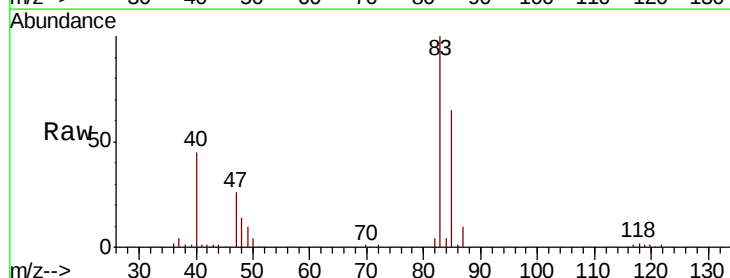
Instrument :
MSVOA_N
ClientSampleId :

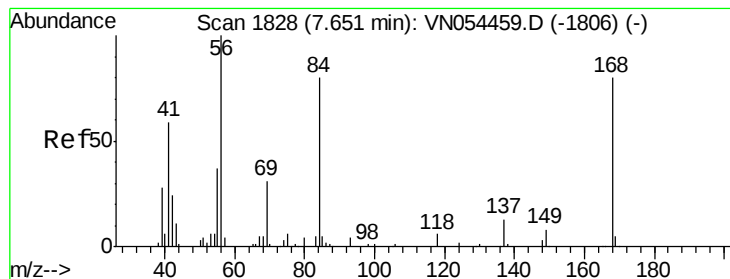
Tot Ion: 42 Resp: 141502
Ion Ratio Lower Upper
42 100
72 36.5 37.8 56.6#
71 34.8 36.2 54.2#



#30
Chloroform
Concen: 22.795 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 83 Resp: 169761
Ion Ratio Lower Upper
83 100
85 64.9 52.2 78.4





#31

Cyclohexane

Concen: 21.009 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampled :

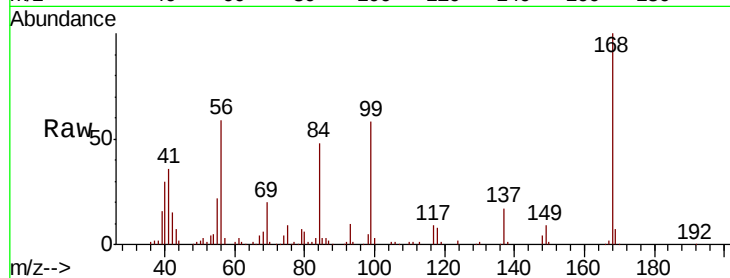
Tot Ion: 56 Resp: 161498

Ion Ratio Lower Upper

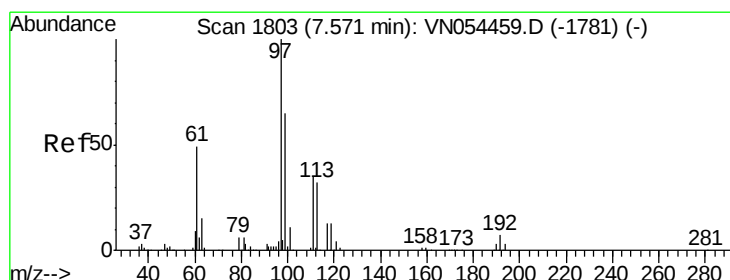
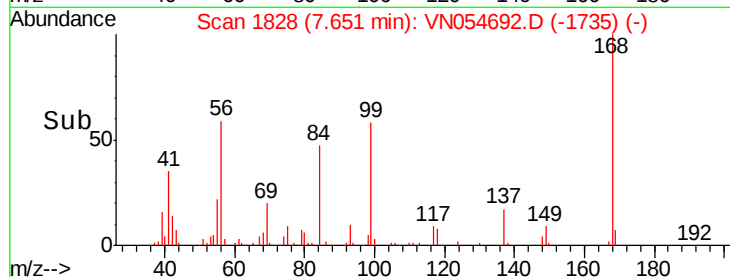
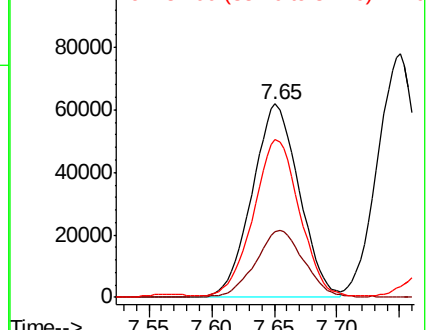
56 100

69 34.1 27.8 41.6

84 80.3 74.6 111.8



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 22.239 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

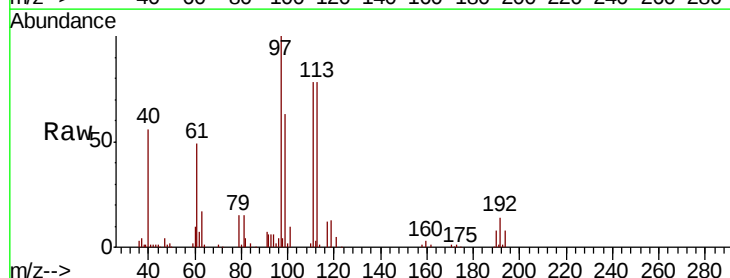
Tgt Ion: 97 Resp: 136640

Ion Ratio Lower Upper

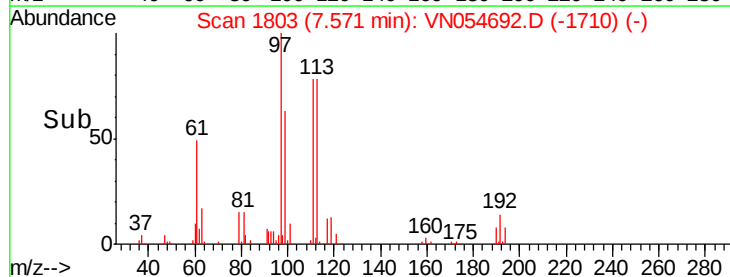
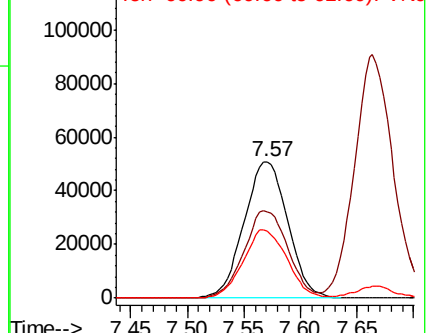
97 100

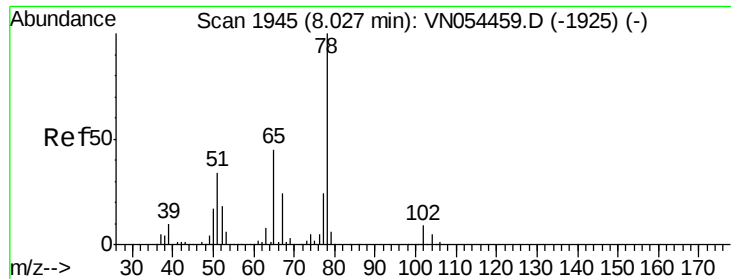
99 64.4 51.5 77.3

61 50.0 33.6 50.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

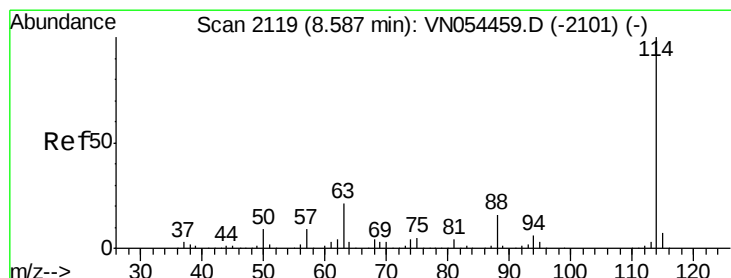
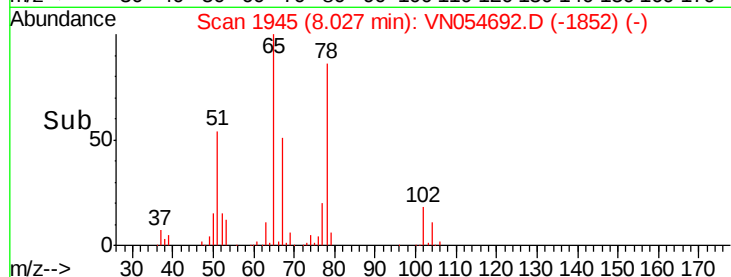
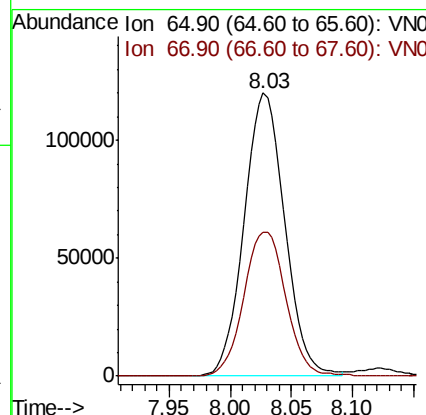
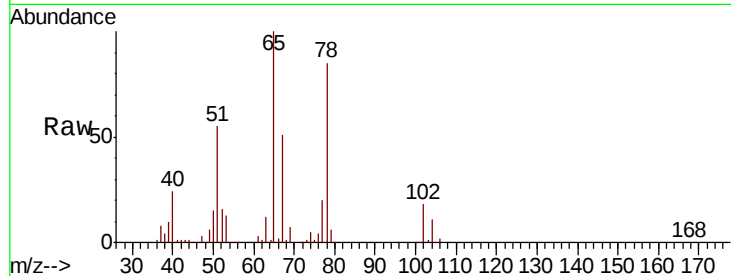




#33
 1,2-Dichloroethane-d4
 Concen: 56.266 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

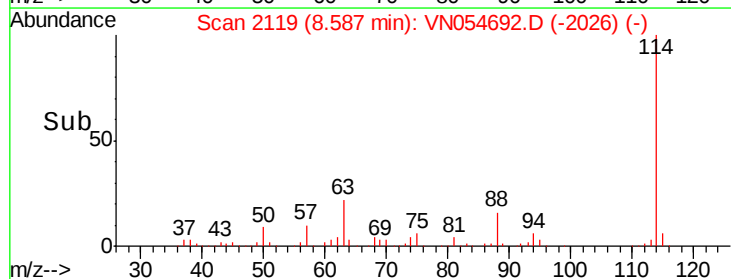
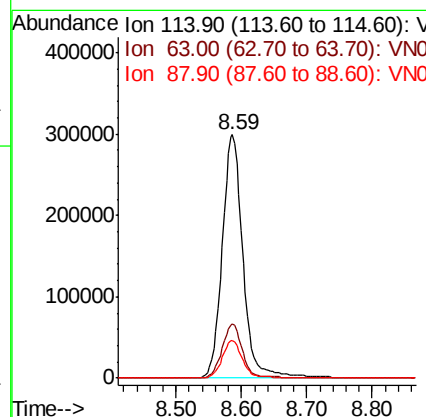
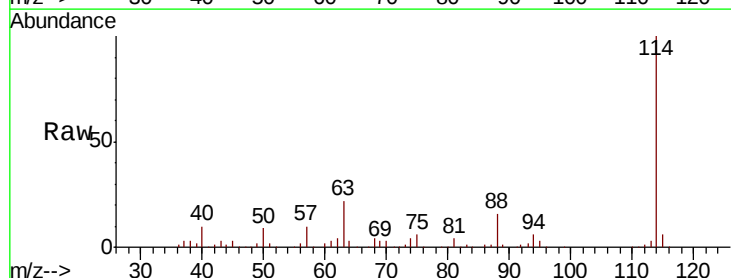
Instrument :
 MSVOA_N
 ClientSampled :

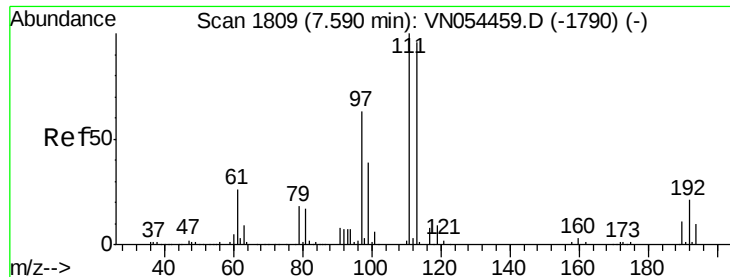
Tot Ion: 65 Resp: 276867
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Tgt Ion: 114 Resp: 662057
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 35.2
 88 15.6 0.0 30.2

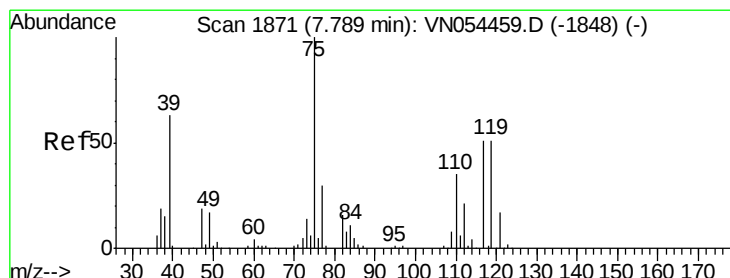
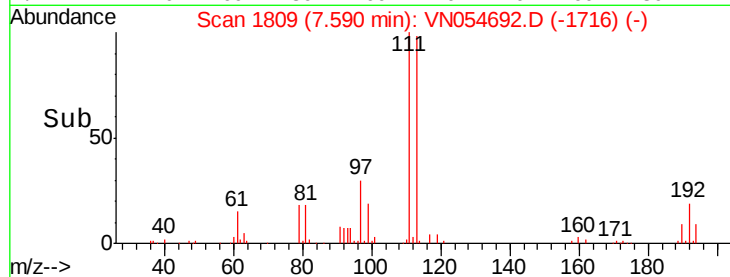
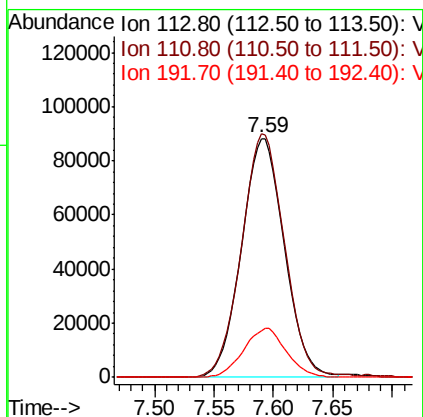
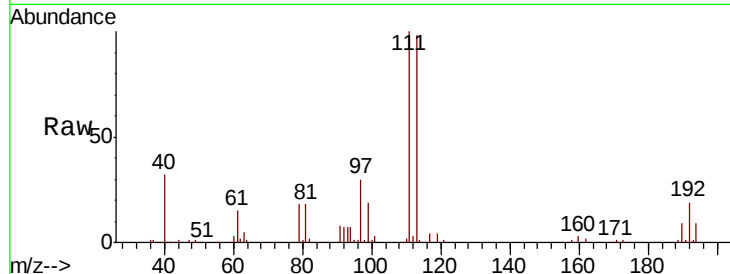




#35
 Dibromofluoromethane
 Concen: 51.637 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

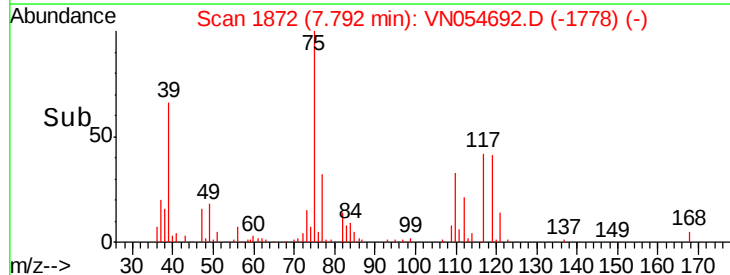
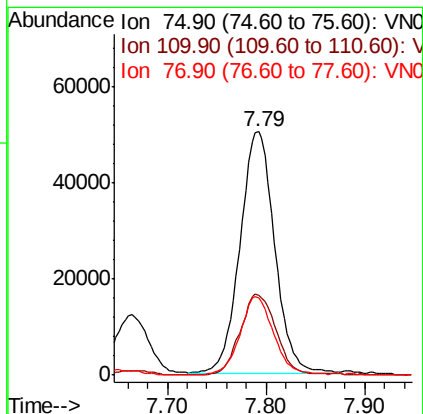
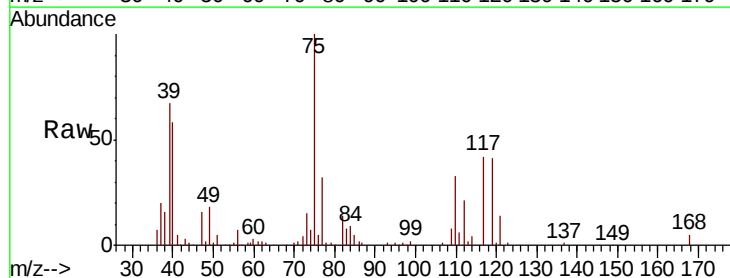
Instrument :
 MSVOA_N
 ClientSampleId :

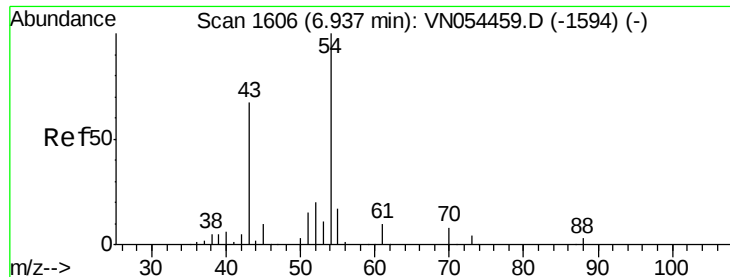
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	20.4	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 19.706 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	19.1	57.5
77	31.7	25.0	37.4

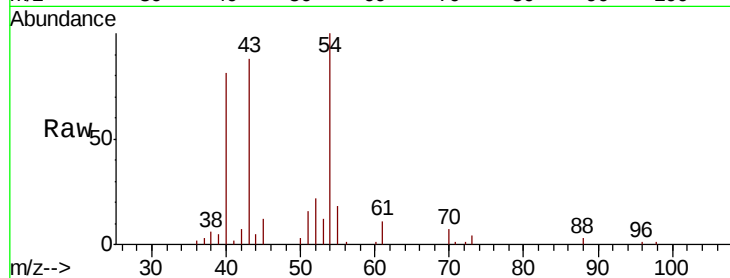




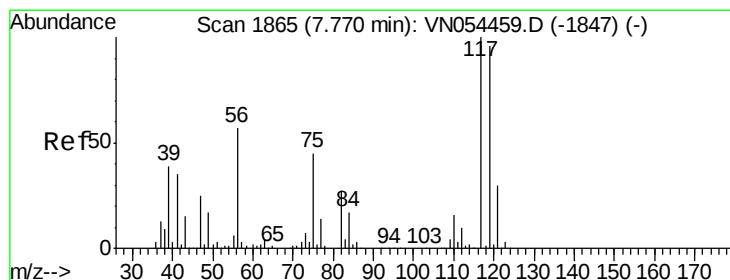
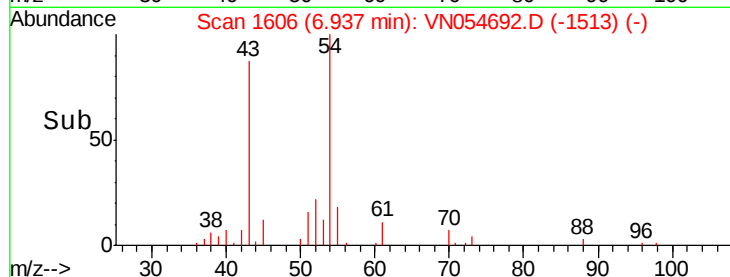
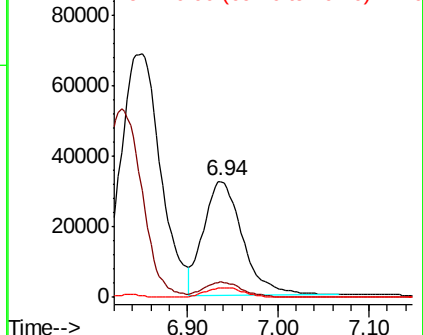
#37
Ethyl Acetate
Concen: 21.803 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 95992
Ion Ratio Lower Upper
43 100
61 12.3 11.8 17.6
70 8.3 8.4 12.6#

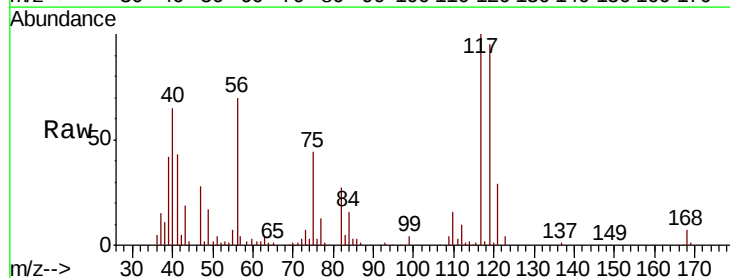


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

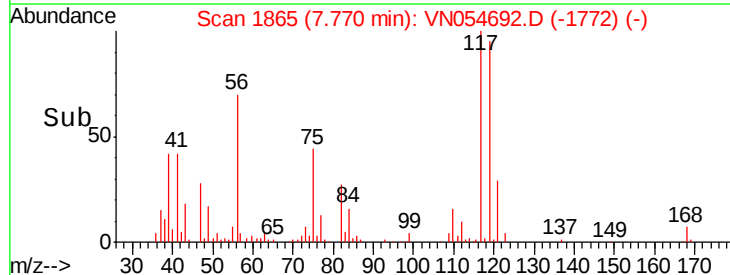
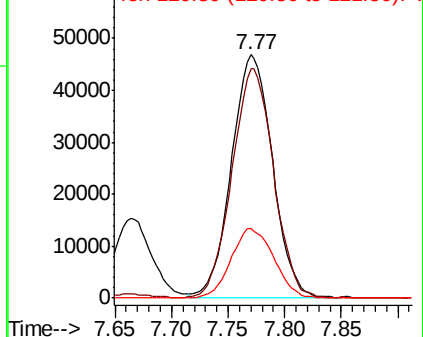


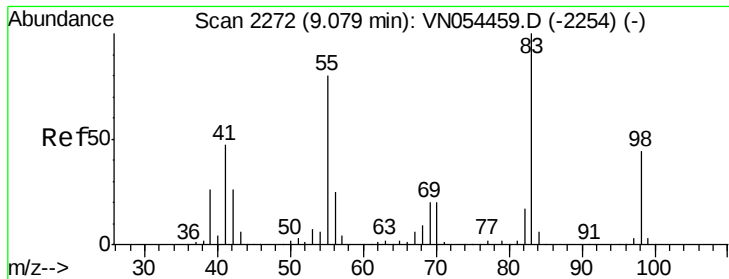
#38
Carbon Tetrachloride
Concen: 19.566 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 117 Resp: 117701
Ion Ratio Lower Upper
117 100
119 94.4 76.3 114.5
121 28.9 24.6 36.8



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

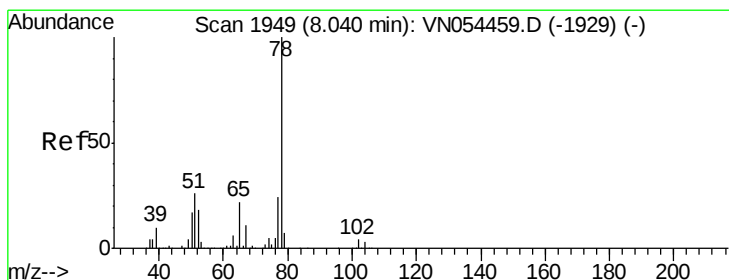
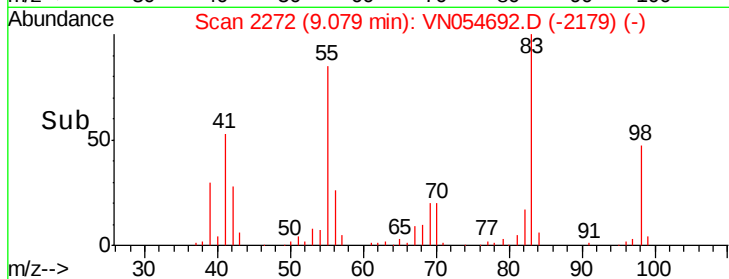
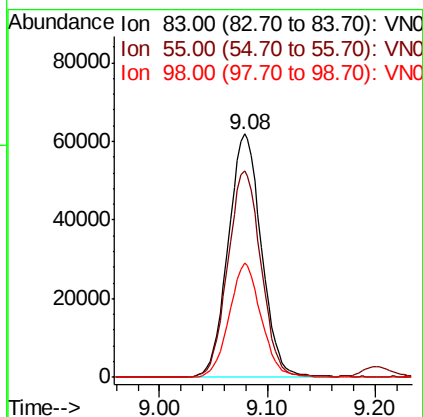
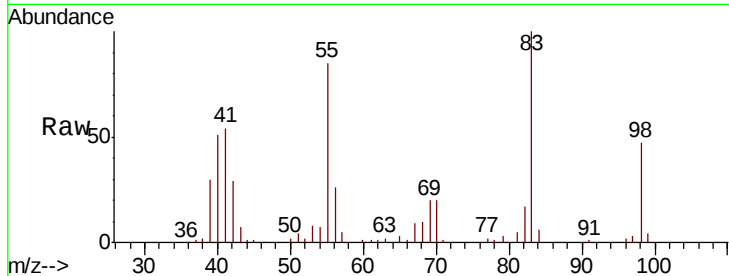




#39
Methvlcvclohexane
Concen: 18.807 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

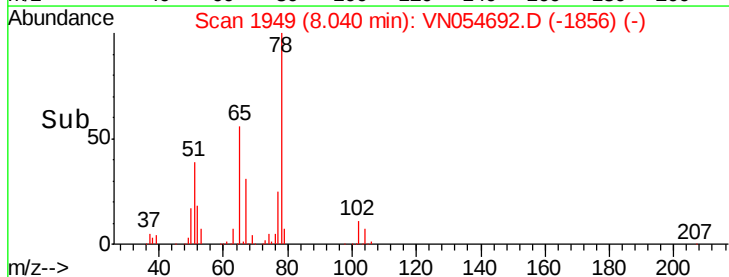
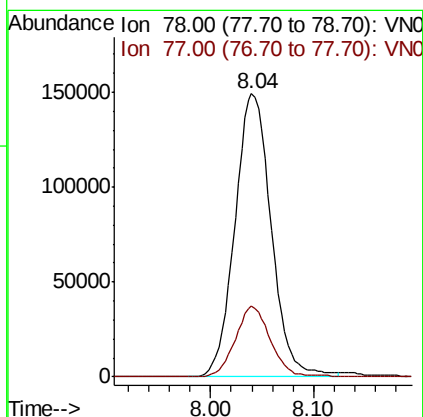
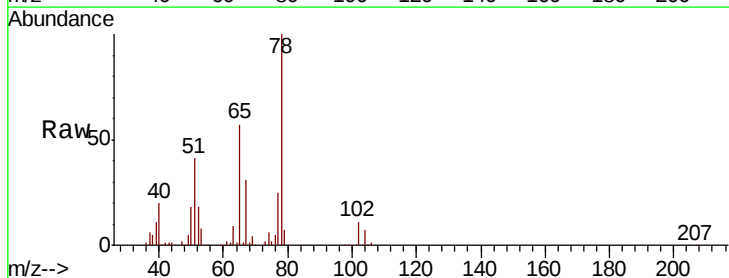
Instrument :
MSVOA_N
ClientSampled :

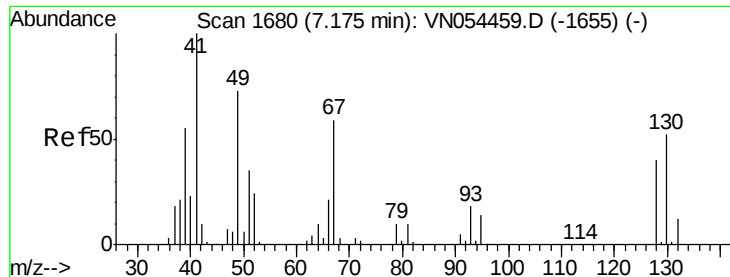
Tot Ion: 83 Resp: 133174
Ion Ratio Lower Upper
83 100
55 84.8 56.6 84.8
98 47.0 38.4 57.6



#40
Benzene
Concen: 20.690 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 78 Resp: 366242
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7

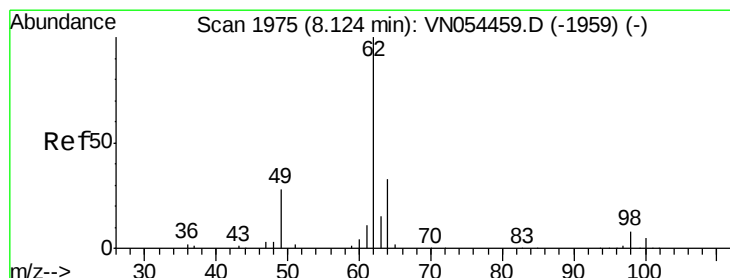
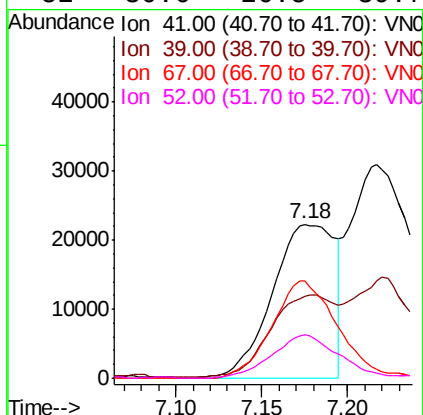
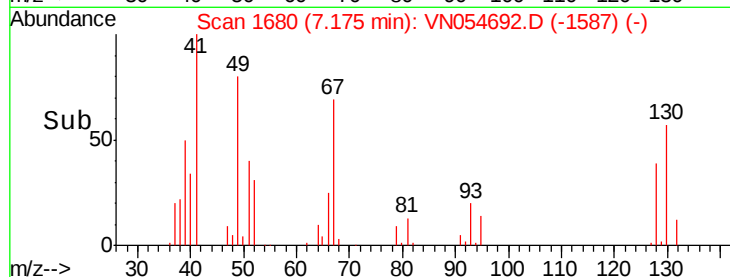
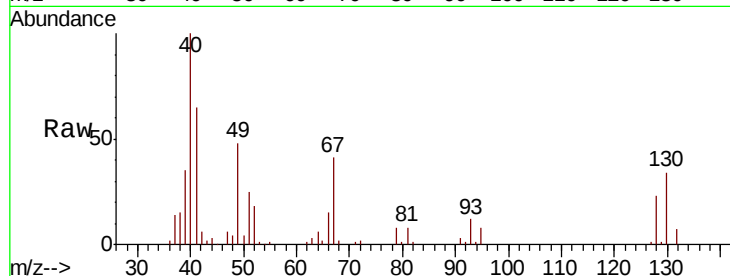




#41
Methacrylonitrile
Concen: 21.014 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

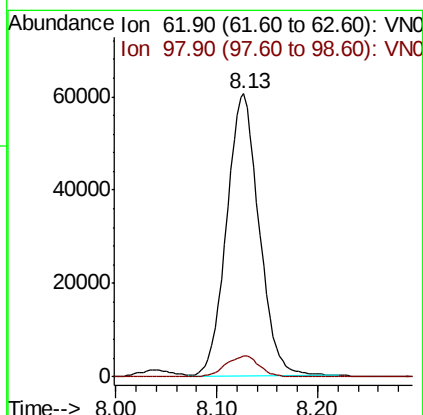
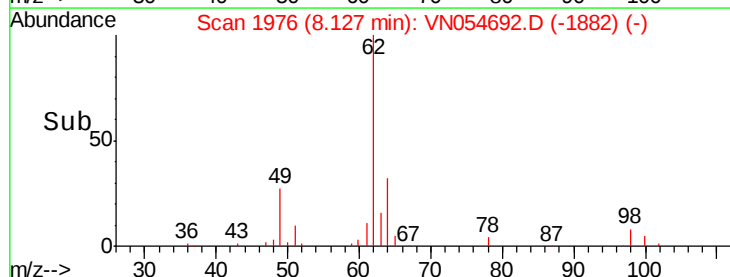
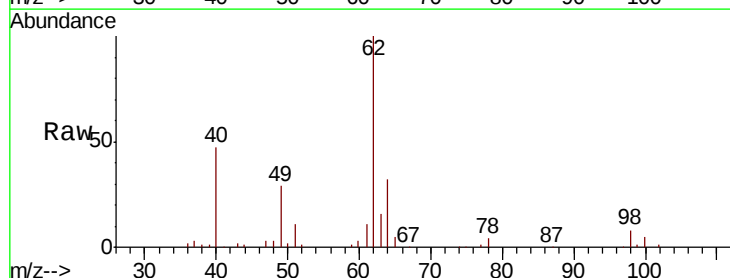
Instrument :
MSVOA_N
ClientSampleId :

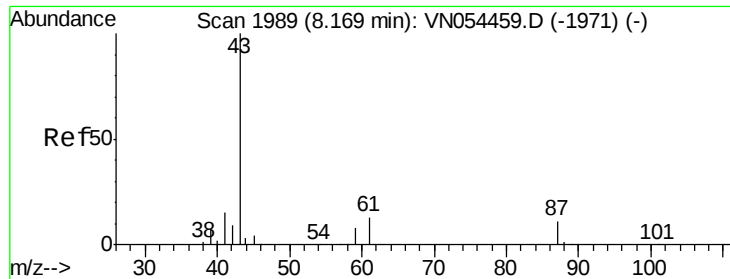
Tot Ion: 41 Resp: 56424
Ion Ratio Lower Upper
41 100
39 54.1 46.8 70.2
67 67.0 67.0 100.4
52 30.6 26.5 39.7



#42
1,2-Dichloroethane
Concen: 21.074 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 62 Resp: 135855
Ion Ratio Lower Upper
62 100
98 7.7 0.0 18.4





#43

Isopropyl Acetate

Concen: 21.005 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

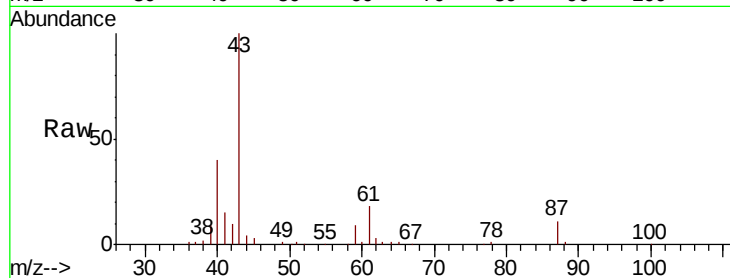
Tot Ion: 43 Resp: 156188

Ion Ratio Lower Upper

43 100

61 17.2 15.8 23.8

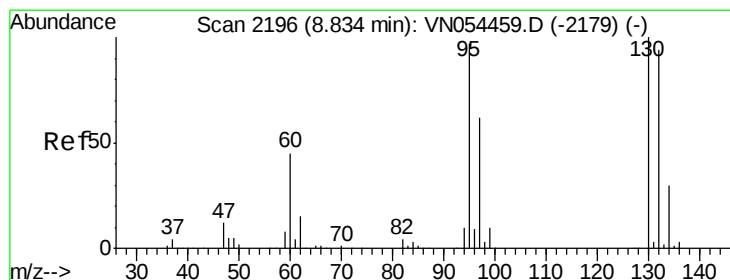
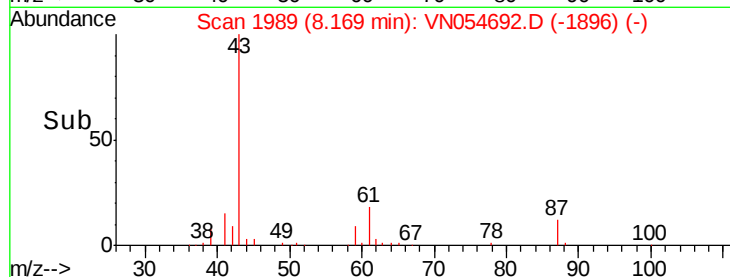
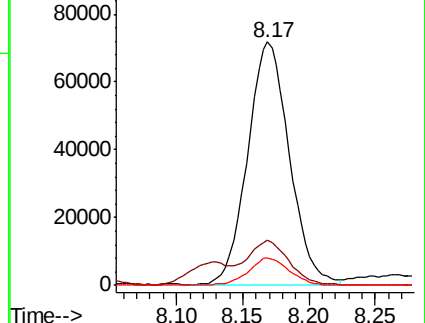
87 11.1 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN054459.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN054459.D (-1971) (-)



#44

Trichloroethene

Concen: 19.488 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054692.D

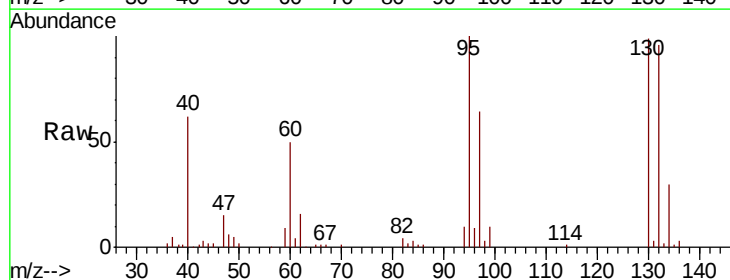
Acq: 26 Mar 2019 12:20

Tgt Ion:130 Resp: 95908

Ion Ratio Lower Upper

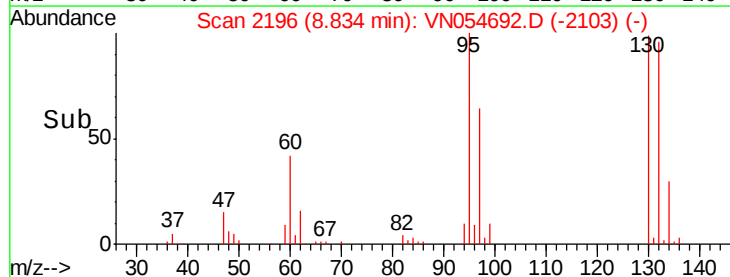
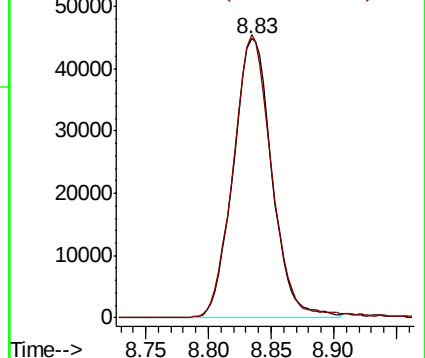
130 100

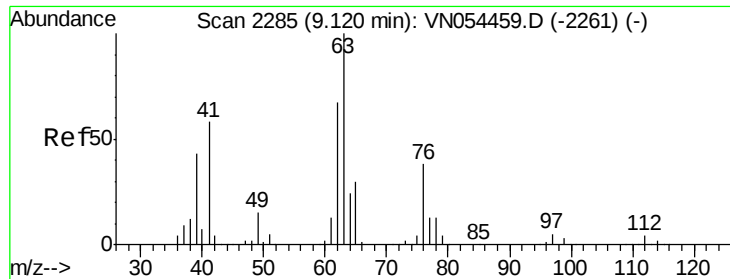
95 101.3 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): VN054459.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN054459.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 22.034 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

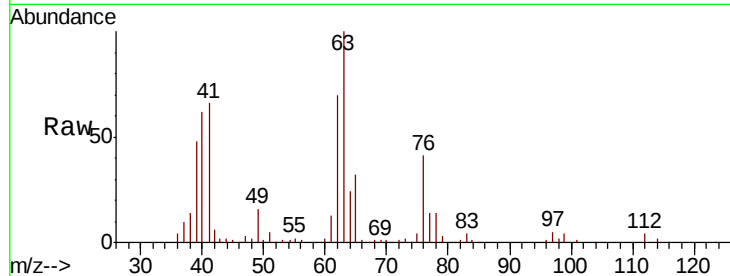
ClientSampleId :

Tot Ion: 63 Resp: 104731

Ion Ratio Lower Upper

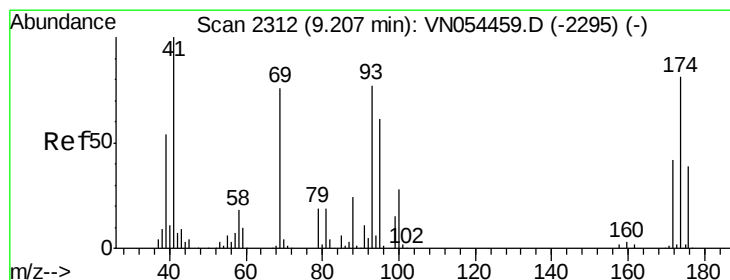
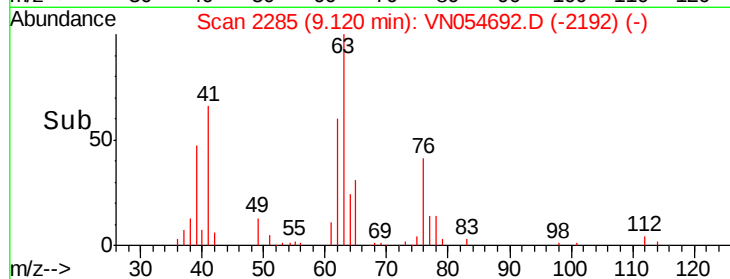
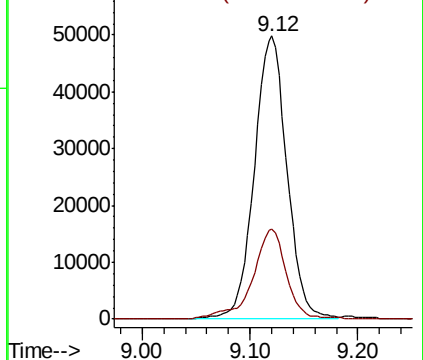
63 100

65 31.9 25.0 37.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.135 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

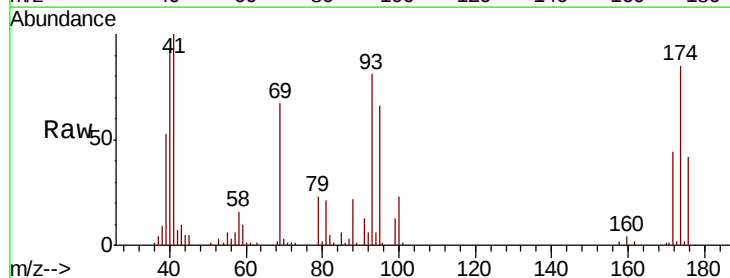
Tgt Ion: 93 Resp: 59932

Ion Ratio Lower Upper

93 100

95 83.0 66.7 100.1

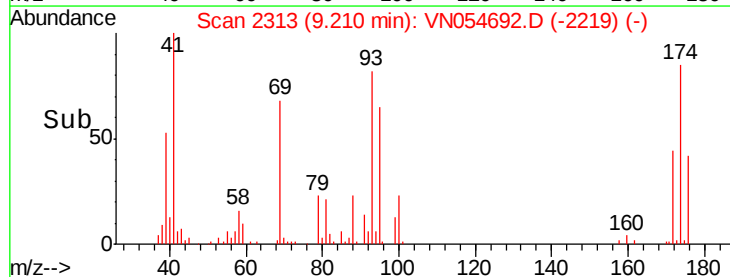
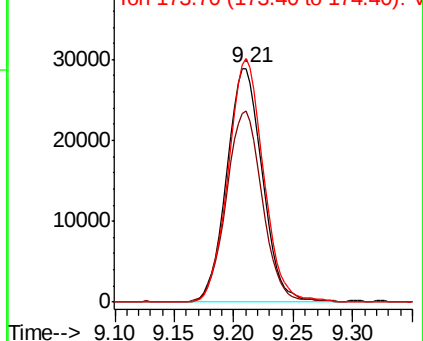
174 103.2 98.5 147.7

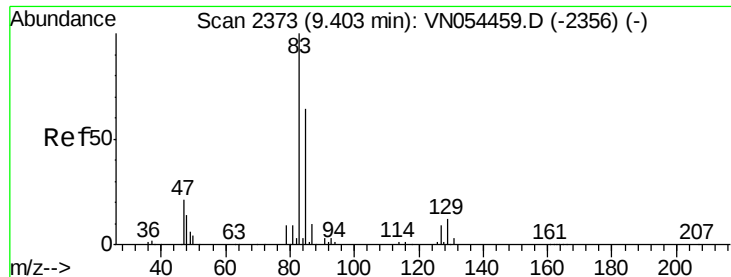


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

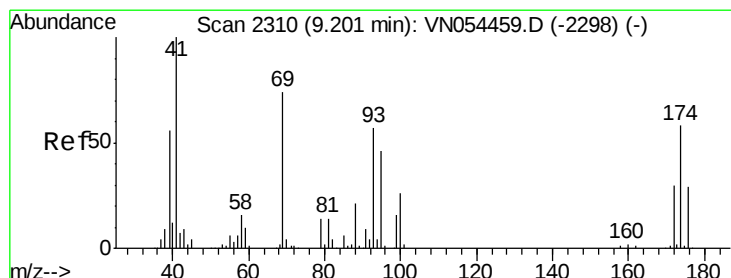
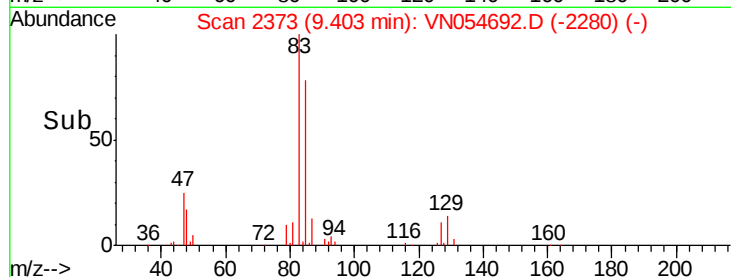
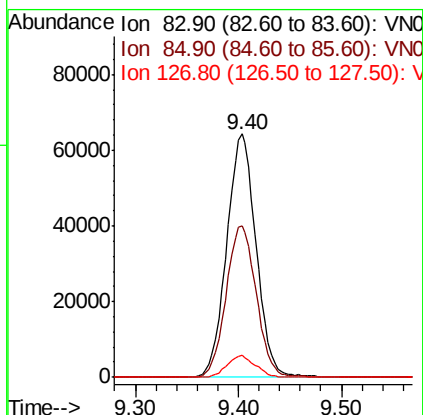
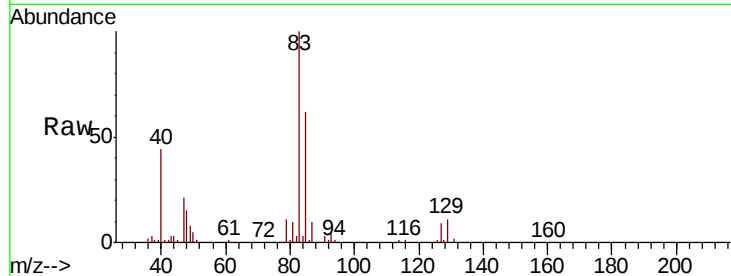




#47
Bromodichloromethane
Concen: 21.688 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

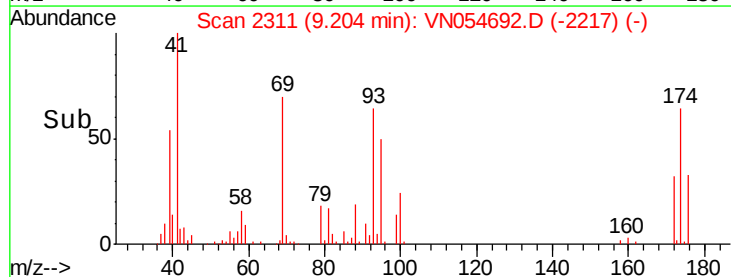
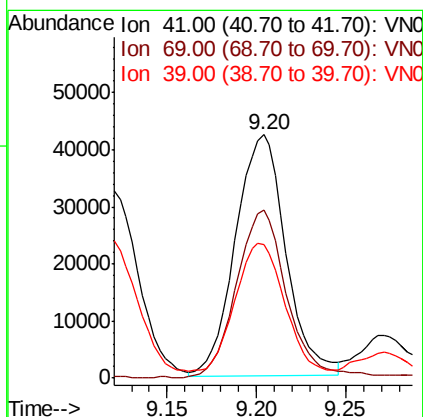
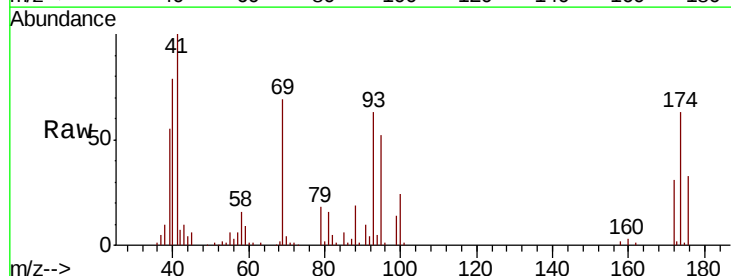
Instrument :
MSVOA_N
ClientSampleId :

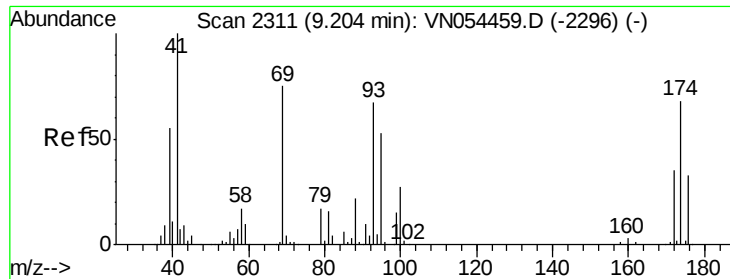
Tot Ion: 83 Resp: 127634
Ion Ratio Lower Upper
83 100
85 62.4 52.8 79.2
127 8.9 7.4 11.2



#48
Methyl methacrylate
Concen: 20.633 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 41 Resp: 83271
Ion Ratio Lower Upper
41 100
69 71.0 72.6 108.8#
39 54.7 47.5 71.3





#49

1,4-Dioxane

Concen: 395.633 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

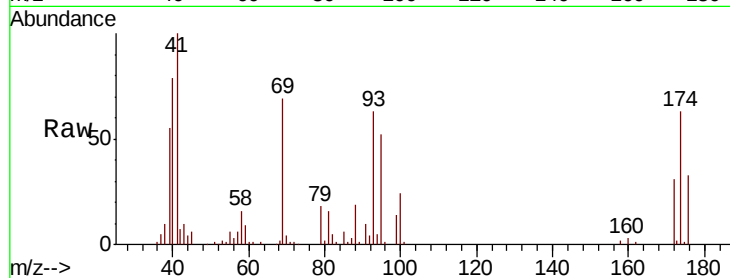
Tot Ion: 88 Resp: 17850

Ion Ratio Lower Upper

88 100

43 39.6 24.1 36.1#

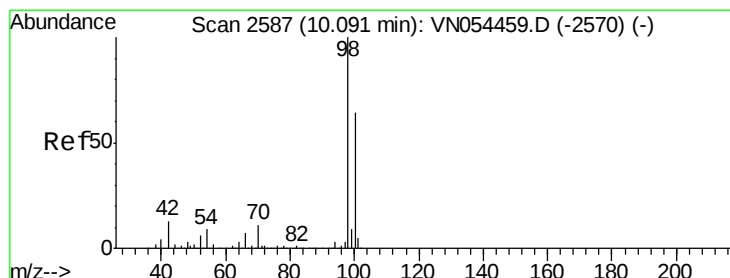
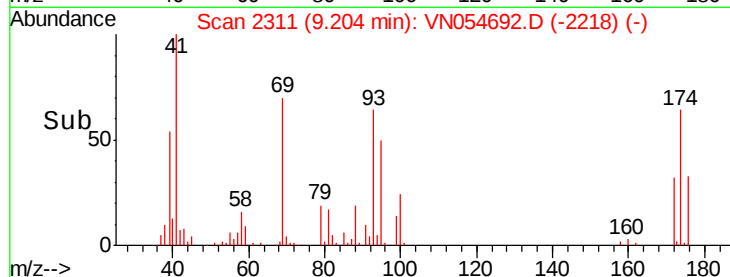
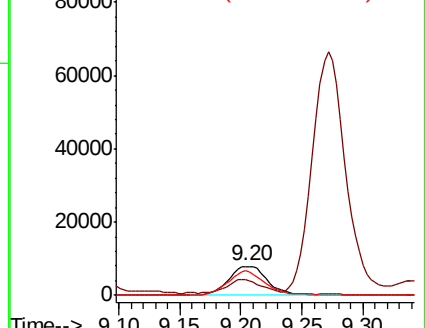
58 76.7 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN054459.D (-2296) (-)

Ion 43.00 (42.70 to 43.70): VN054459.D (-2296) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2296) (-)



#50

Toluene-d8

Concen: 49.802 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054692.D

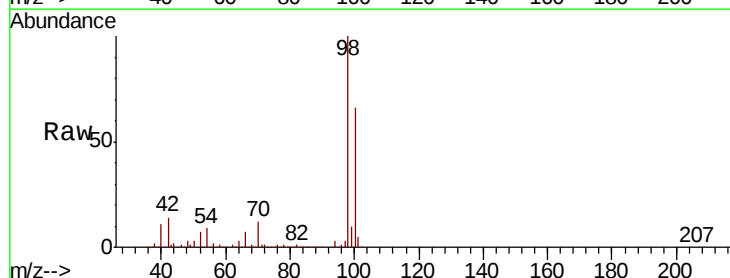
Acq: 26 Mar 2019 12:20

Tgt Ion: 98 Resp: 798563

Ion Ratio Lower Upper

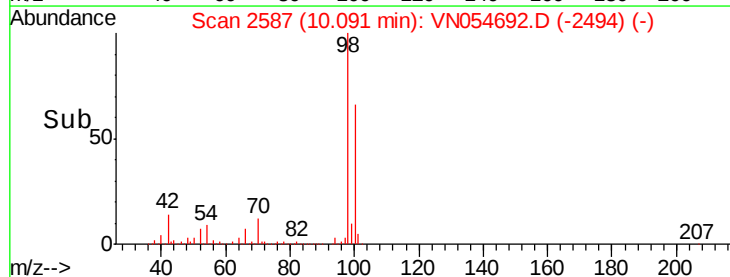
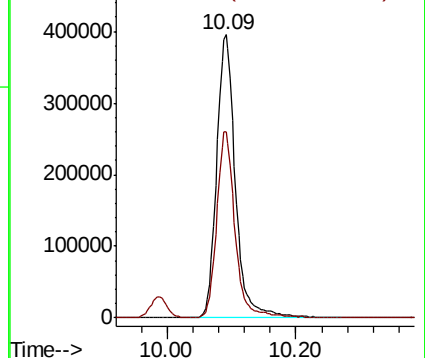
98 100

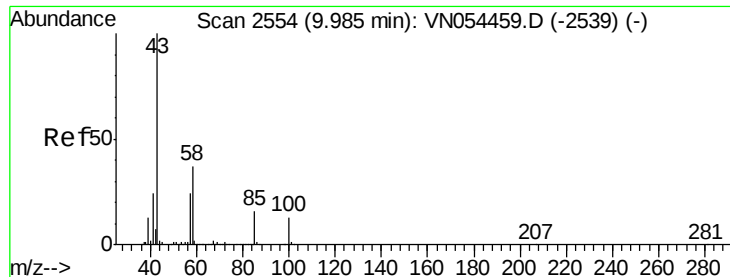
100 63.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 108.129 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

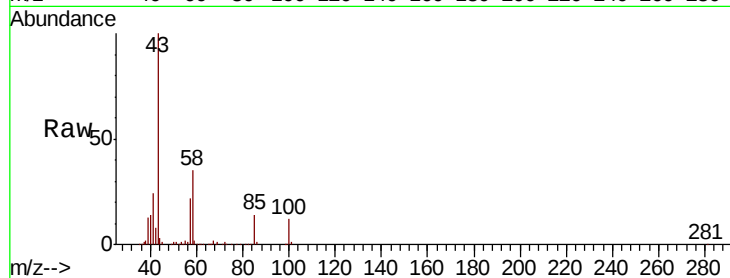
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 445584

Ion Ratio Lower Upper

43 100

58 35.1 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VN054459.D (-2539) (-)

Ion 58.00 (57.70 to 58.70): VN054459.D (-2539) (-)

9.99

250000

200000

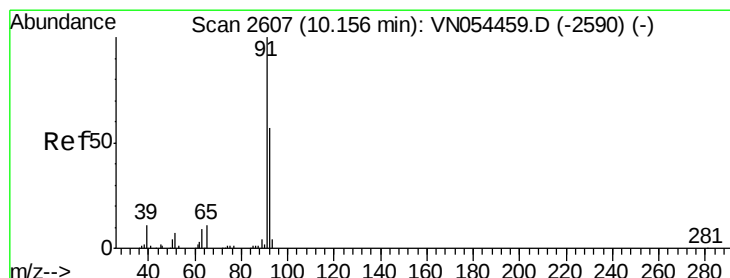
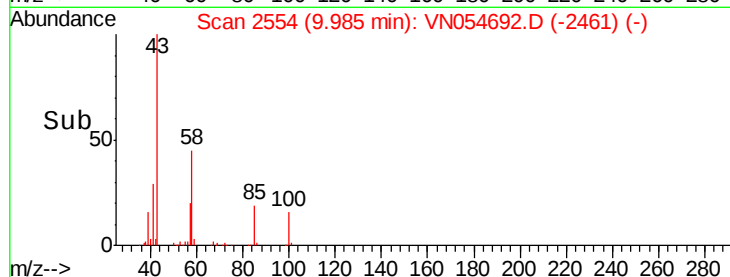
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.166 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054692.D

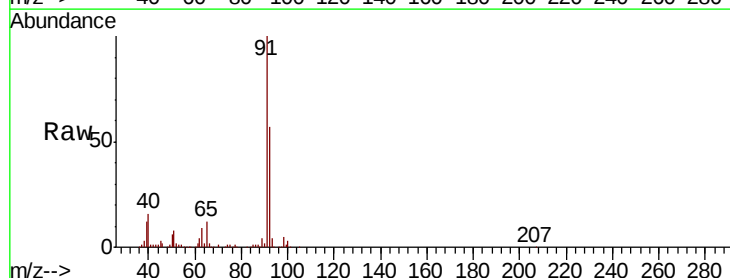
Acq: 26 Mar 2019 12:20

Tgt Ion: 92 Resp: 219552

Ion Ratio Lower Upper

92 100

91 178.3 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054459.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN054459.D (-2590) (-)

10.16

200000

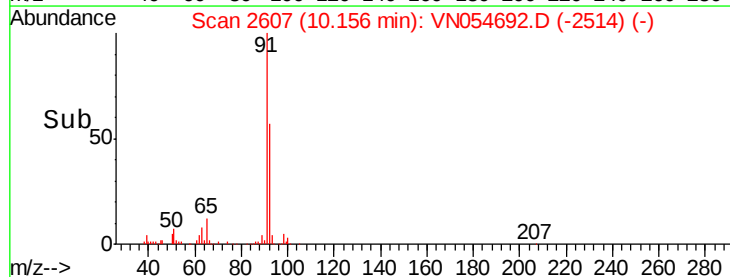
150000

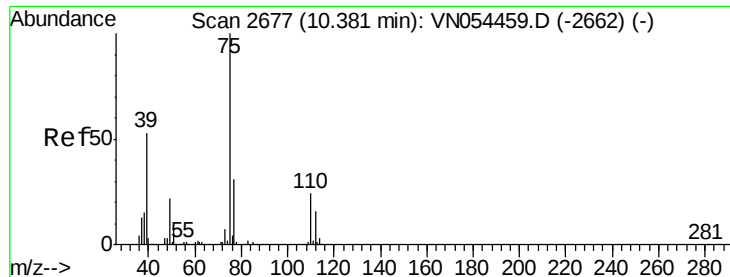
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.417 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

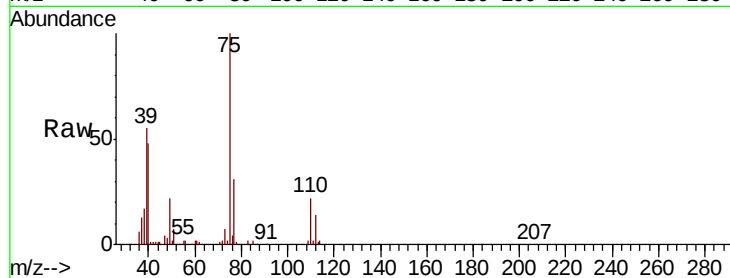
ClientSampleId :

Tot Ion: 75 Resp: 111672

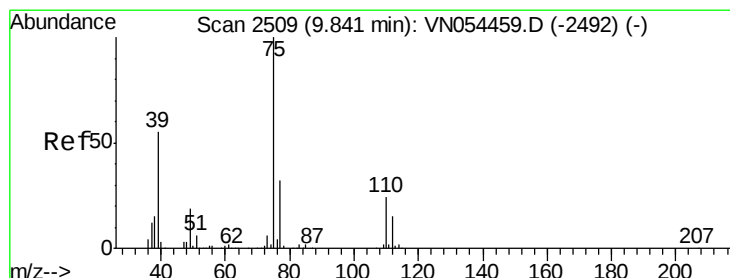
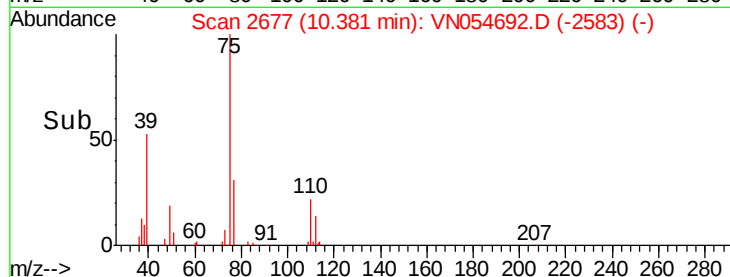
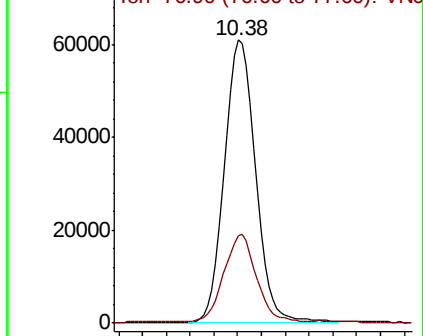
Ion Ratio Lower Upper

75 100

77 30.4 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 20.625 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

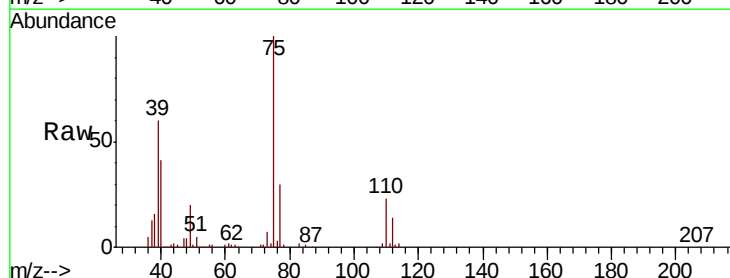
Tgt Ion: 75 Resp: 139175

Ion Ratio Lower Upper

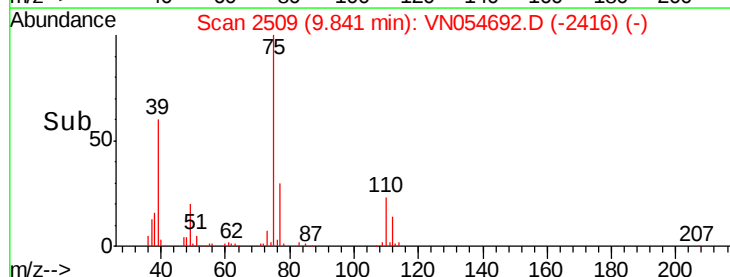
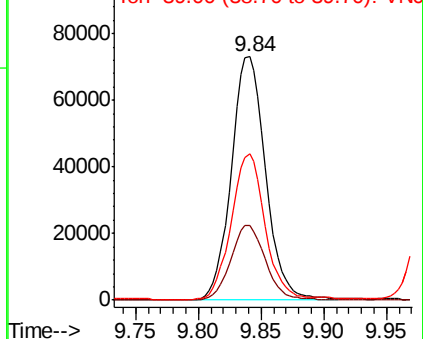
75 100

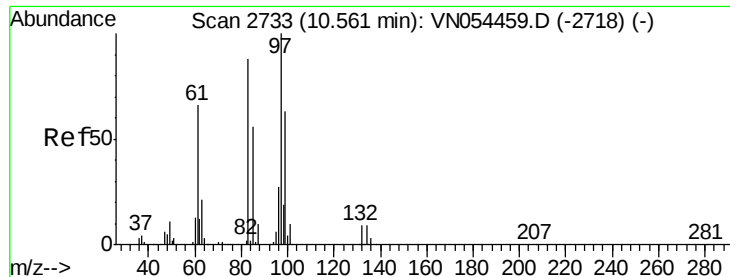
77 30.4 25.4 38.0

39 59.7 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO





#55

1,1,2-Trichloroethane

Concen: 21.019 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 82258

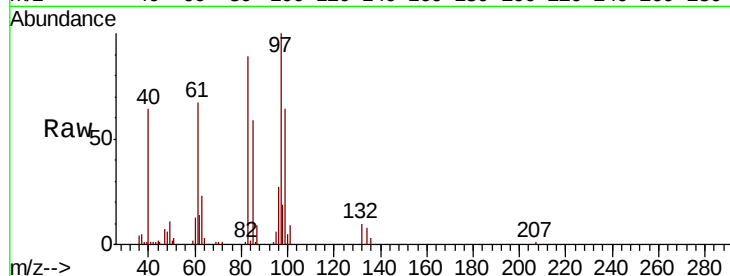
Ion Ratio Lower Upper

97 100

83 88.7 66.6 100.0

85 58.7 44.4 66.6

99 63.6 50.8 76.2

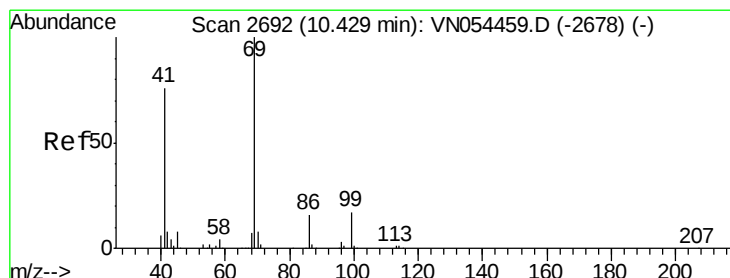
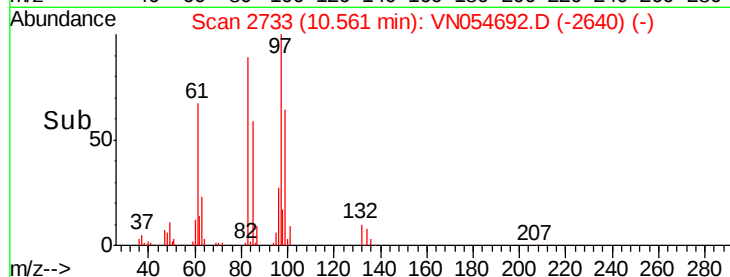
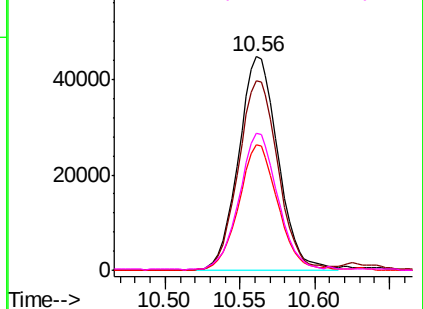


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.768 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

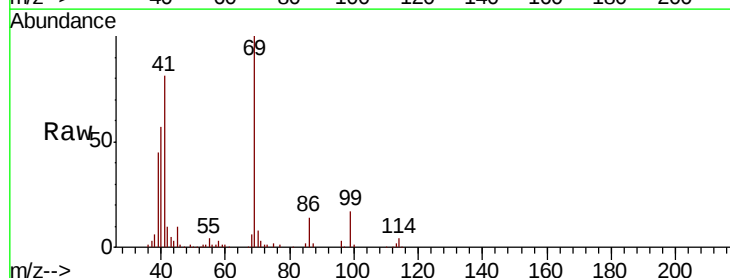
Tgt Ion: 69 Resp: 103835

Ion Ratio Lower Upper

69 100

41 76.8 49.4 74.2#

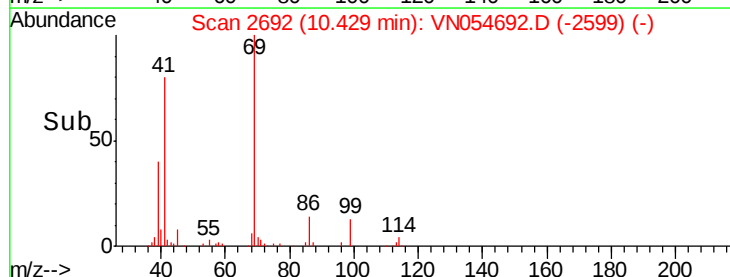
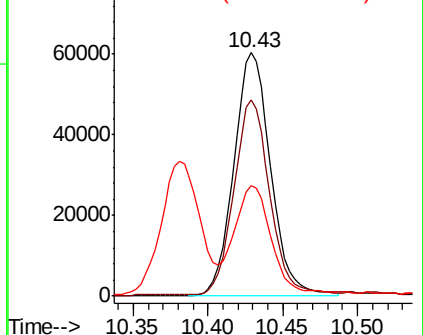
39 44.7 28.3 42.5#

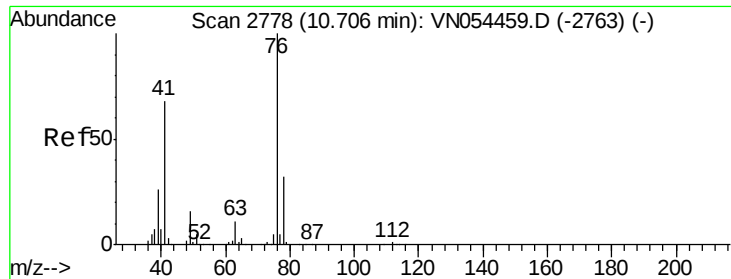


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 21.396 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

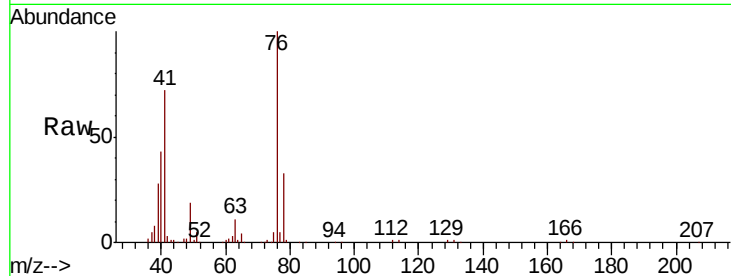
ClientSampled :

Tot Ion: 76 Resp: 145559

Ion Ratio Lower Upper

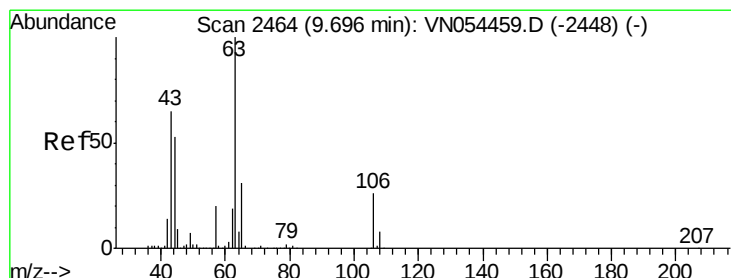
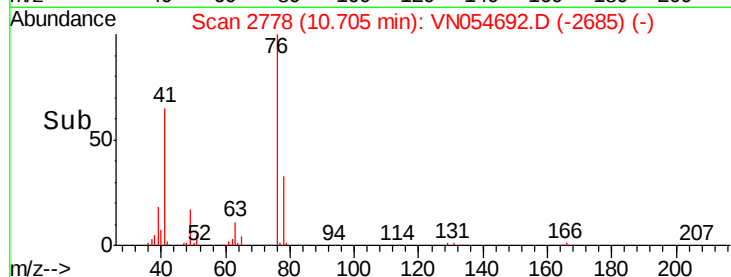
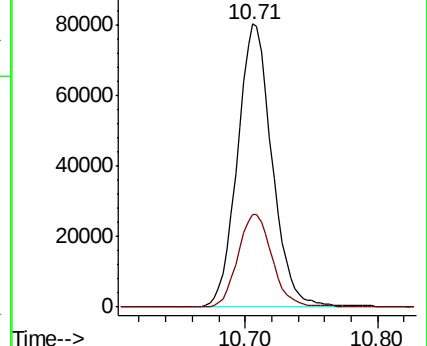
76 100

78 32.7 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 86.296 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054692.D

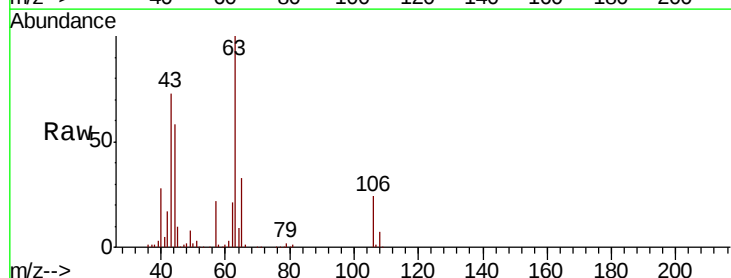
Acq: 26 Mar 2019 12:20

Tgt Ion: 63 Resp: 186657

Ion Ratio Lower Upper

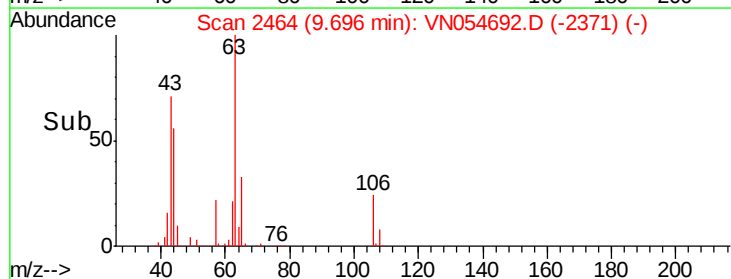
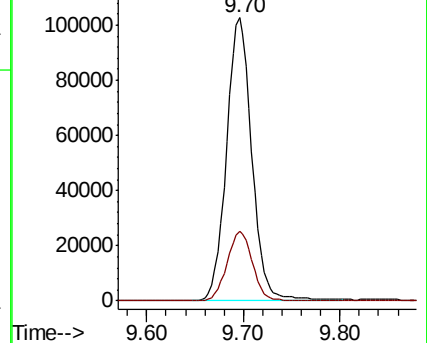
63 100

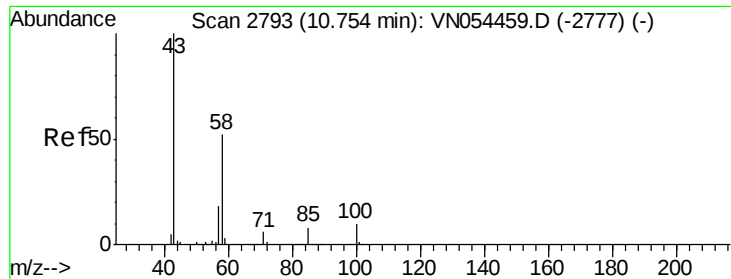
106 24.7 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

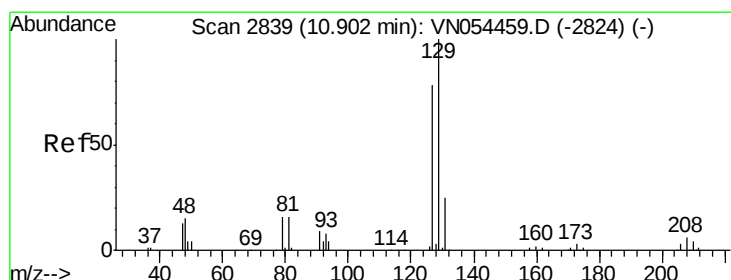
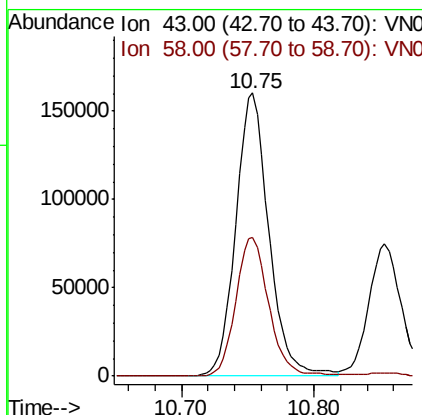
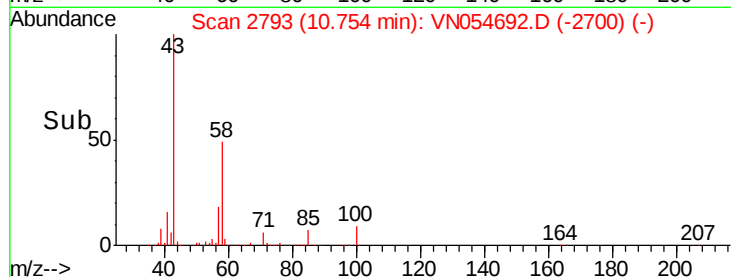
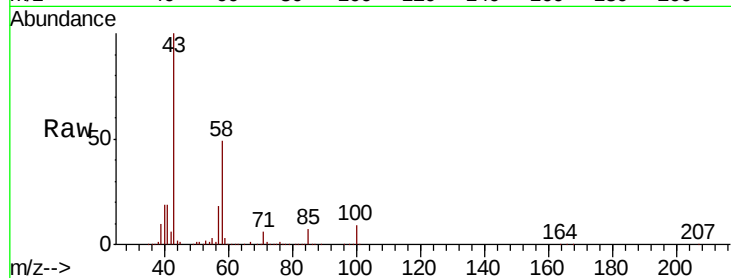




#59
2-Hexanone
Concen: 102.388 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

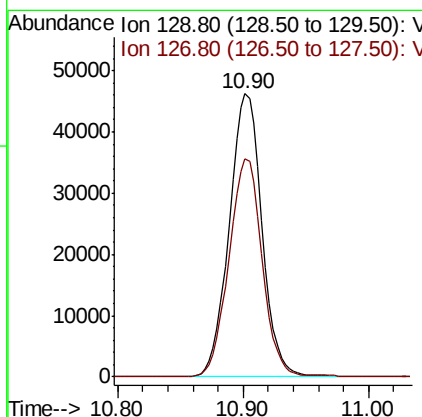
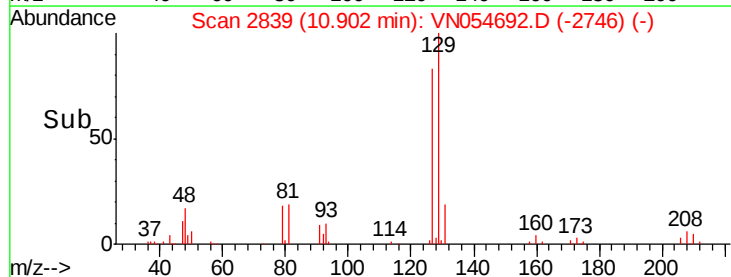
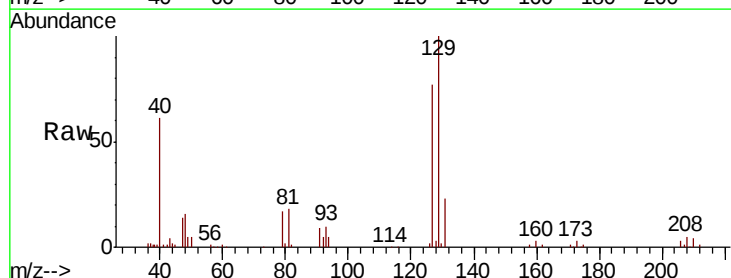
Instrument :
MSVOA_N
ClientSampleId :

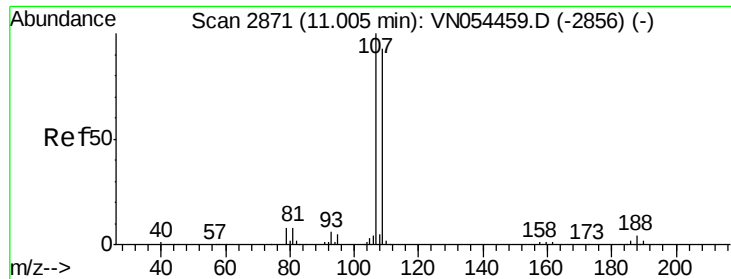
Tot Ion: 43 Resp: 275597
Ion Ratio Lower Upper
43 100
58 49.3 28.0 83.9



#60
Dibromochloromethane
Concen: 20.084 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 129 Resp: 83638
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.8

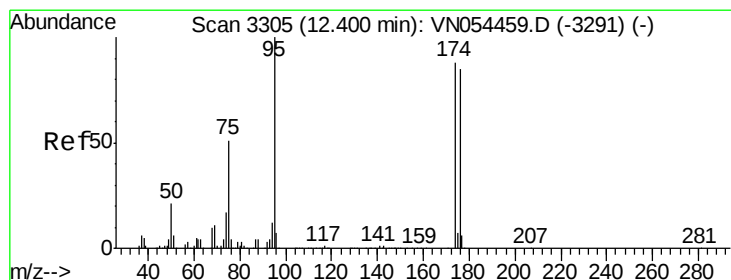
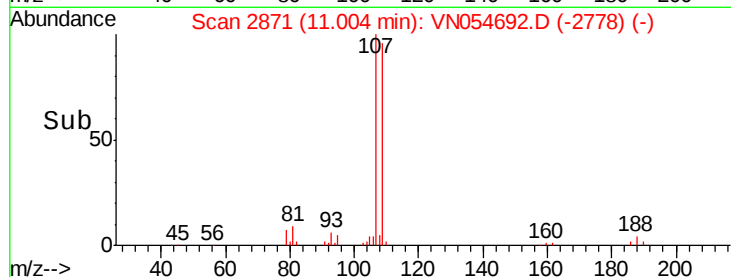
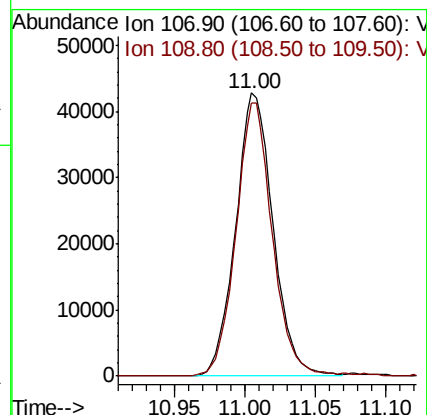
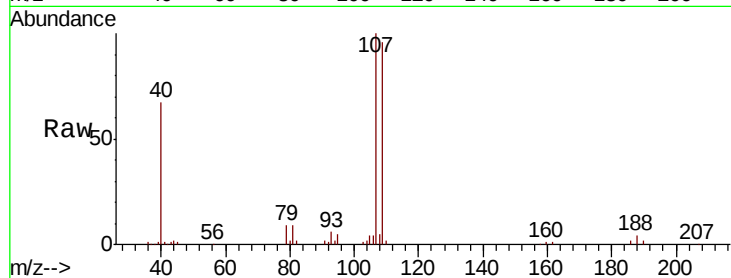




#61
 1,2-Dibromoethane
 Concen: 20.584 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

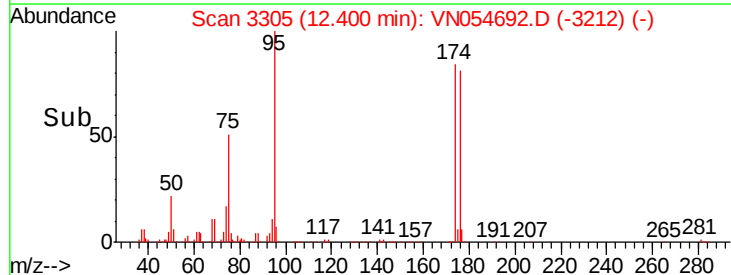
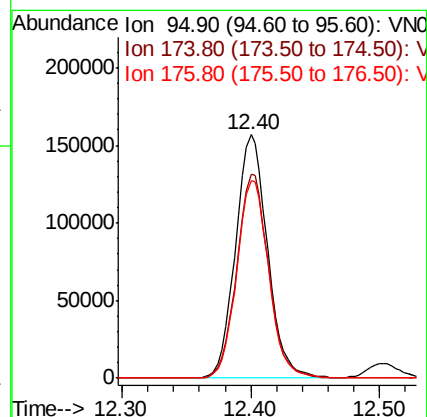
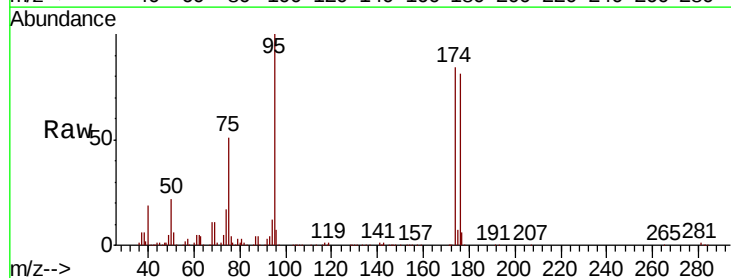
Instrument :
 MSVOA_N
 ClientSampleId :

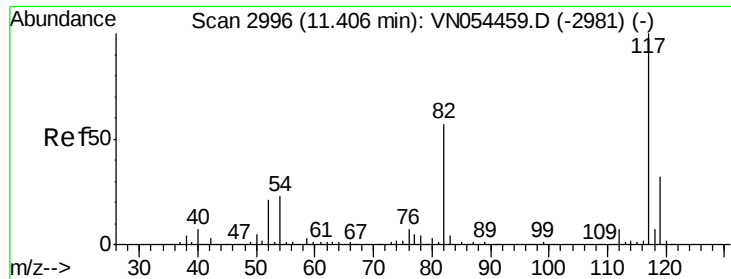
Tot Ion: 107 Resp: 79641
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 49.477 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Tgt Ion: 95 Resp: 269967
 Ion Ratio Lower Upper
 95 100
 174 83.8 0.0 191.0
 176 81.2 0.0 187.4

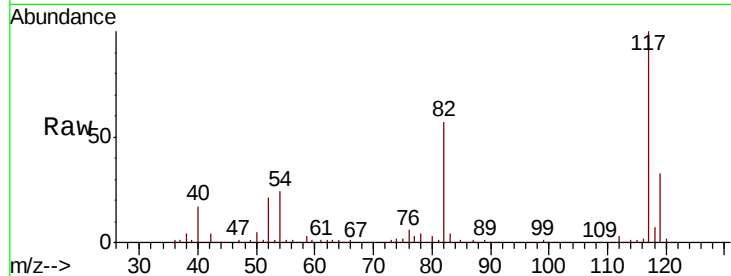




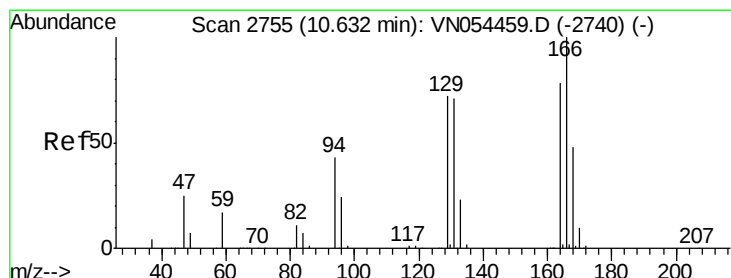
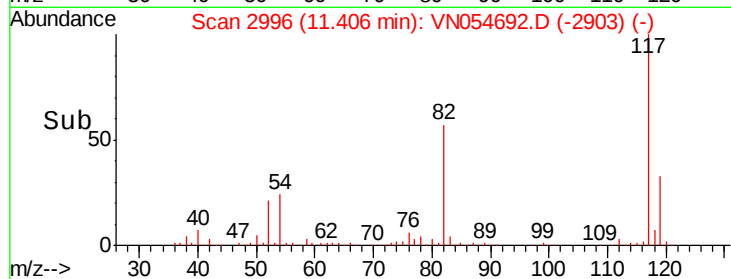
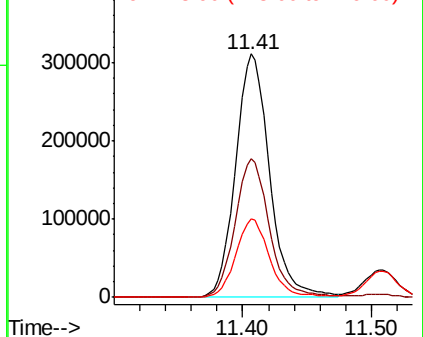
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 570554
Ion Ratio Lower Upper
117 100
82 56.9 40.0 60.0
119 32.5 25.8 38.6

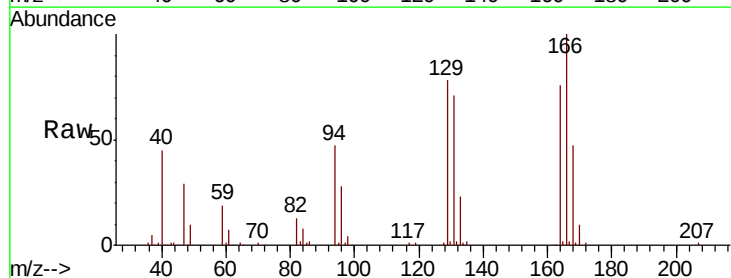


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

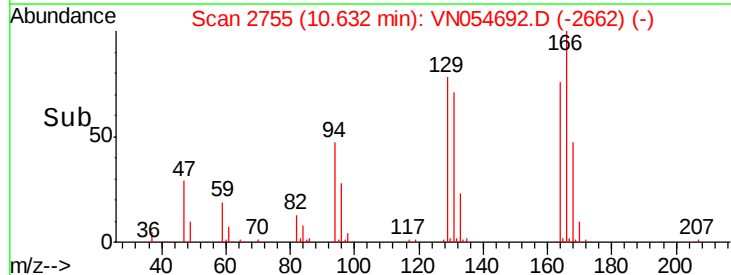
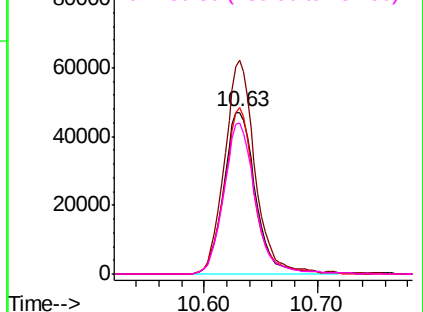


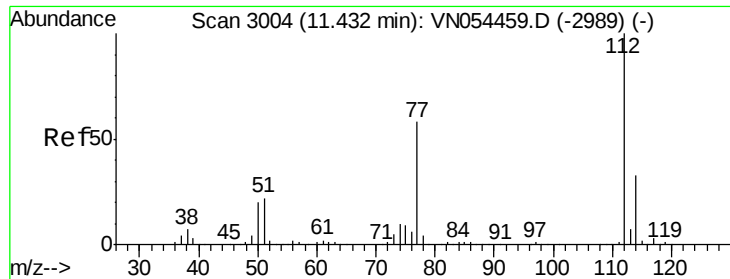
#64
Tetrachloroethene
Concen: 19.385 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion:164 Resp: 91738
Ion Ratio Lower Upper
164 100
166 132.2 103.9 155.9
129 103.2 71.1 106.7
131 93.7 68.2 102.4



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

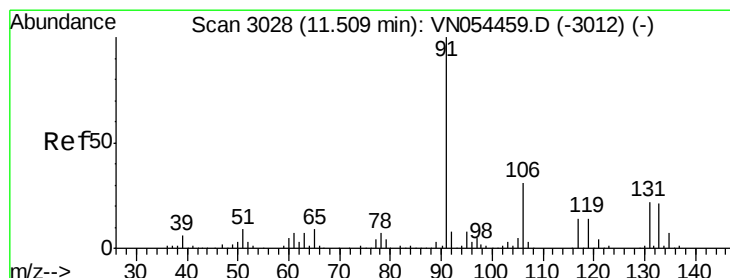
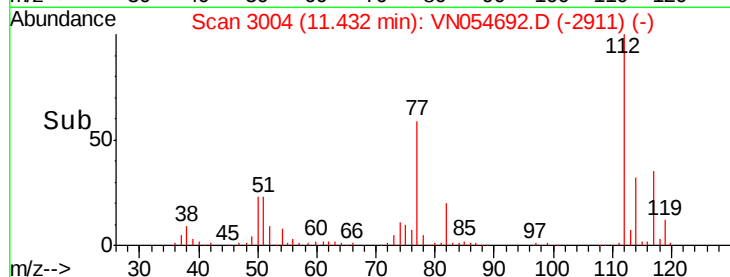
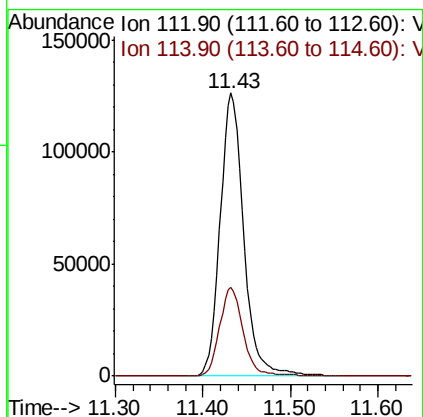
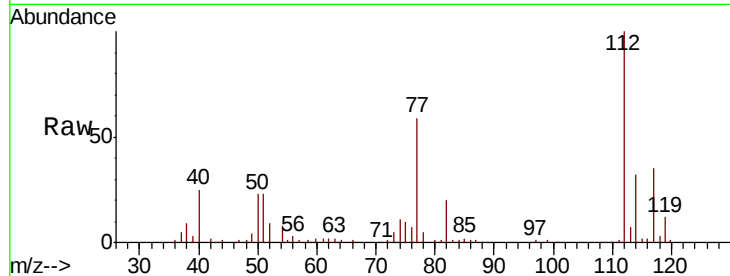




#65
Chlorobenzene
Concen: 20.381 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

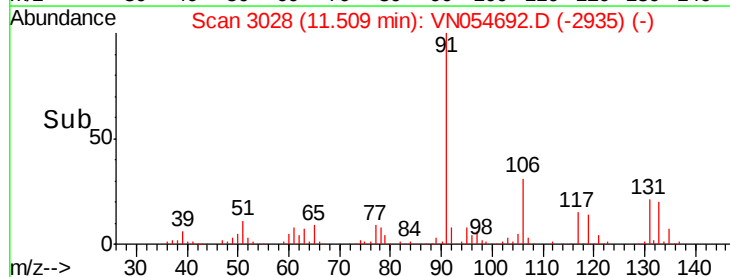
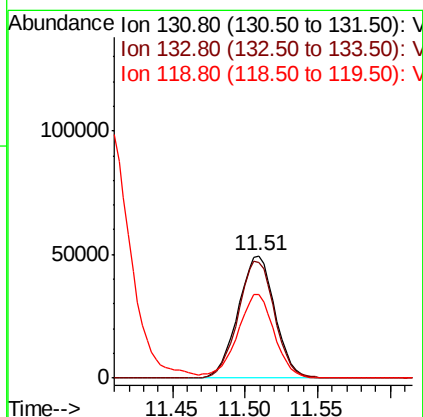
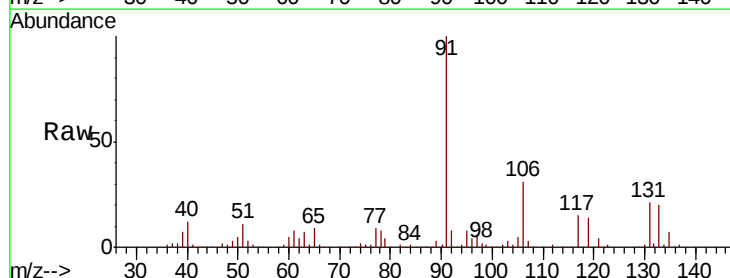
Instrument :
MSVOA_N
ClientSampled :

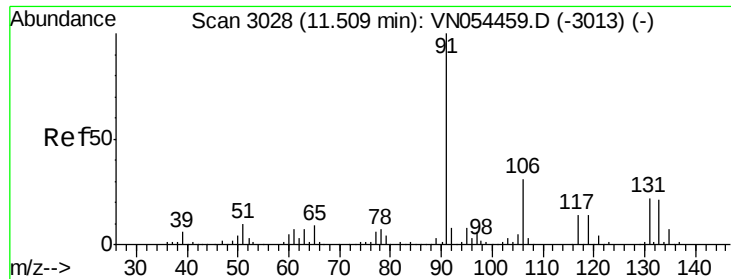
Tot Ion:112 Resp: 236508
Ion Ratio Lower Upper
112 100
114 31.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.992 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion:131 Resp: 87435
Ion Ratio Lower Upper
131 100
133 94.6 47.6 142.9
119 68.3 32.4 97.0

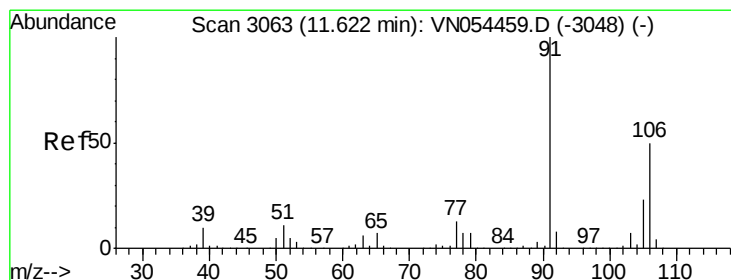
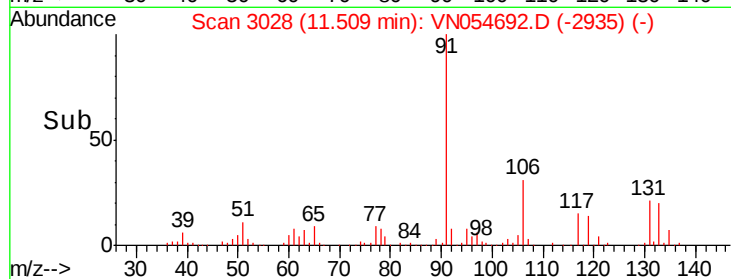
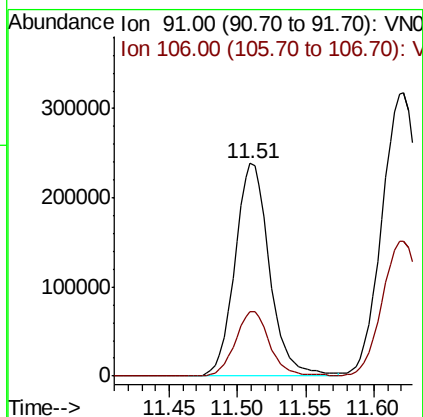
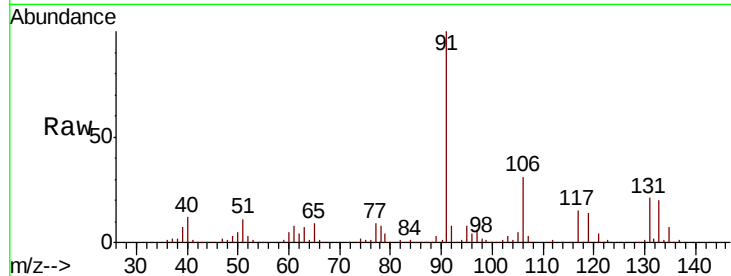




#67
Ethyl Benzene
Concen: 20.476 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

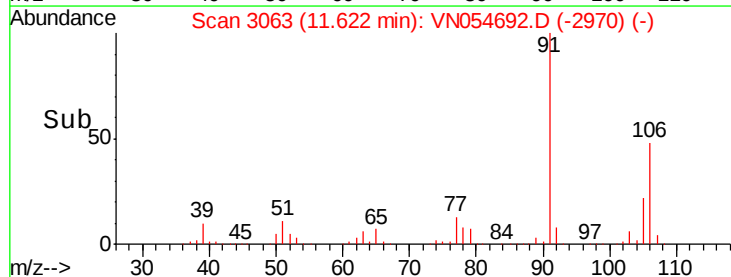
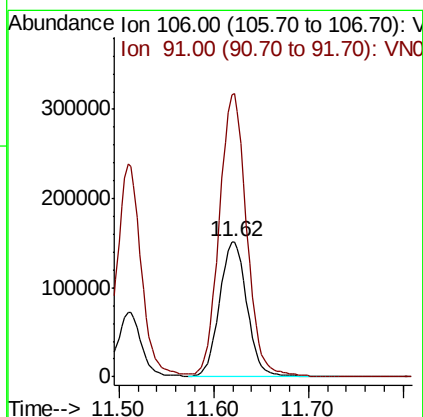
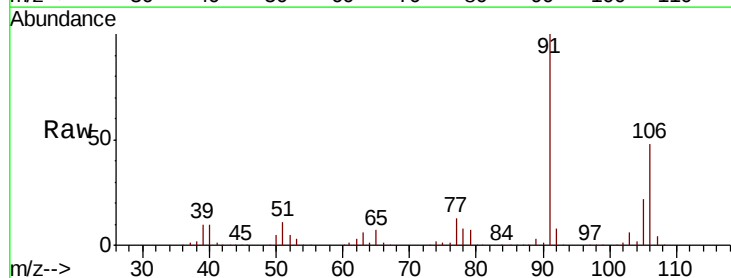
Instrument :
MSVOA_N
ClientSampled :

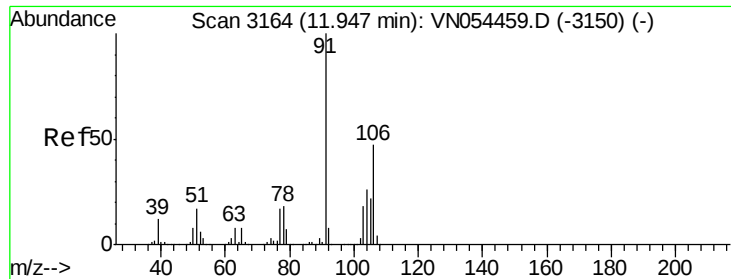
Tot Ion: 91 Resp: 419721
Ion Ratio Lower Upper
91 100
106 30.6 25.5 38.3



#68
m/p-Xylenes
Concen: 39.684 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 106 Resp: 308117
Ion Ratio Lower Upper
106 100
91 208.6 159.4 239.2

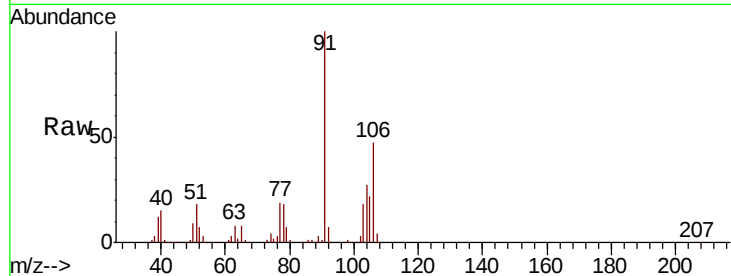




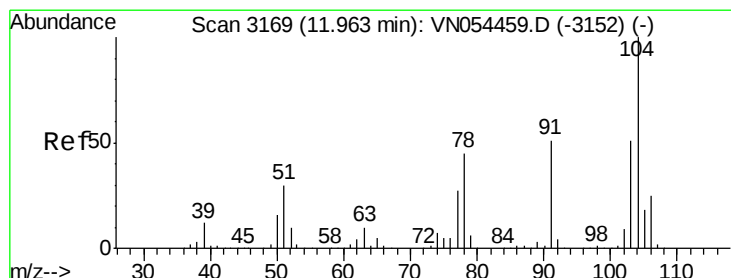
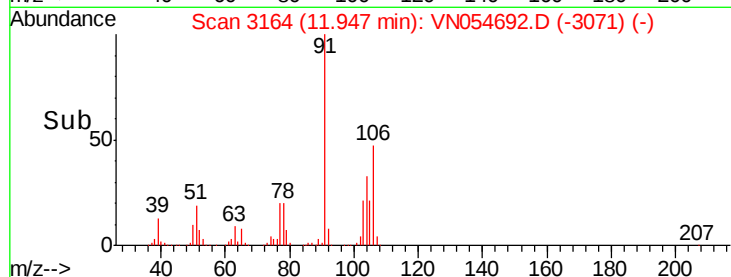
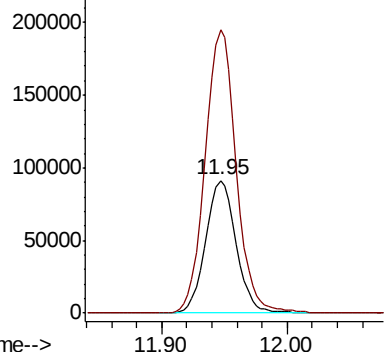
#69
o-Xylene
Concen: 20.275 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 153734
Ion Ratio Lower Upper
106 100
91 218.1 105.7 317.1

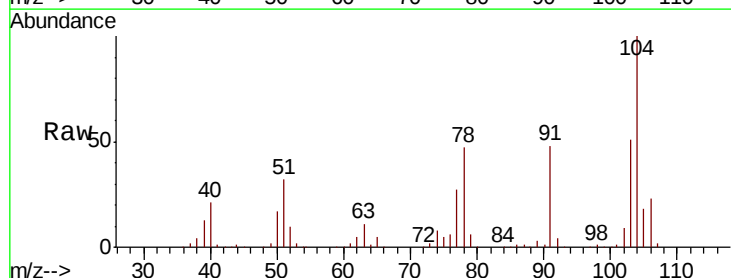


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

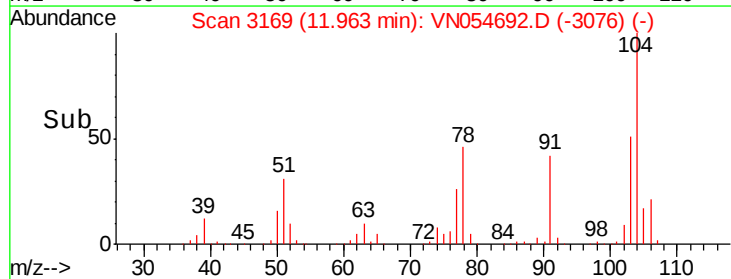
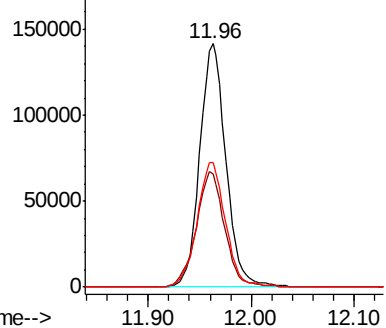


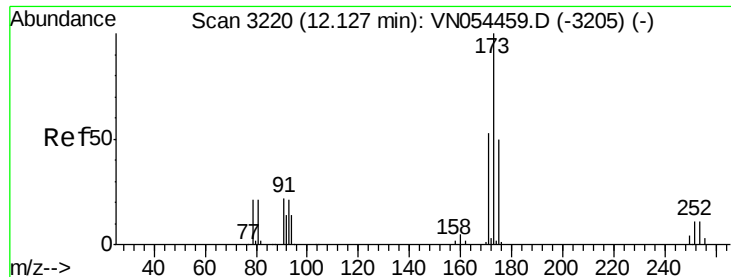
#70
Styrene
Concen: 20.396 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion:104 Resp: 251152
Ion Ratio Lower Upper
104 100
78 51.3 38.2 57.2
103 55.6 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





#71

Bromoform

Concen: 18.771 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

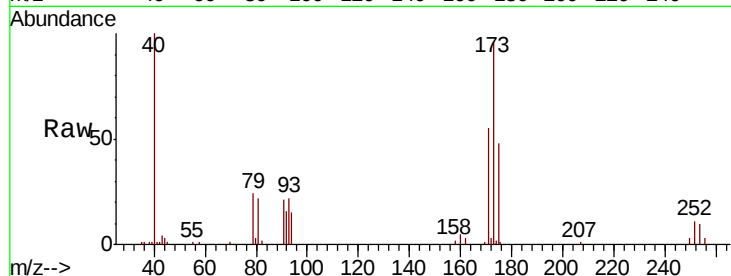
Tot Ion:173 Resp: 49736

Ion Ratio Lower Upper

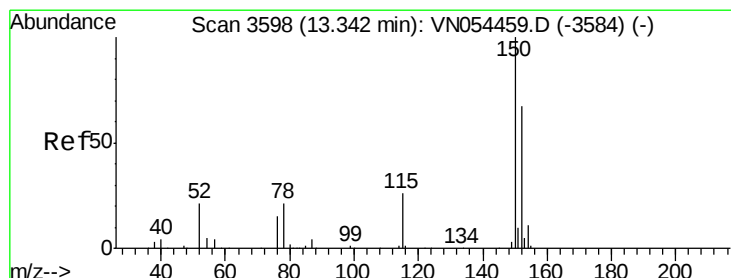
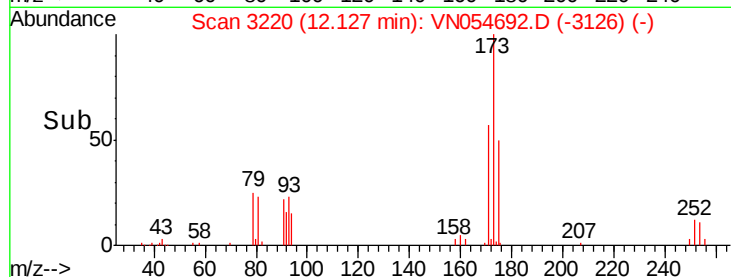
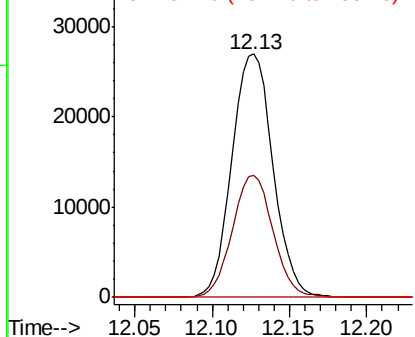
173 100

175 49.6 24.4 73.2

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

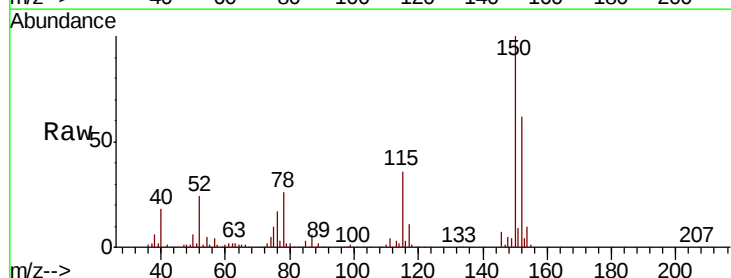
Tgt Ion:152 Resp: 244928

Ion Ratio Lower Upper

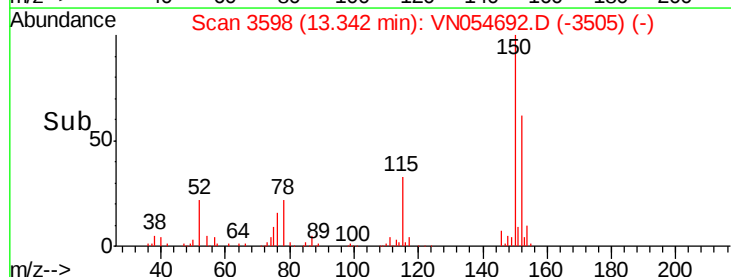
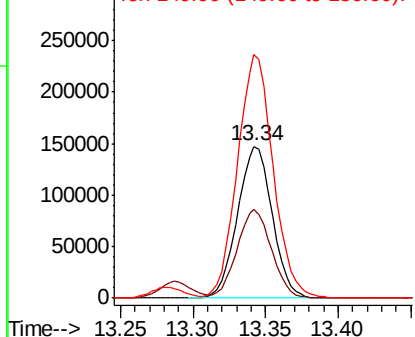
152 100

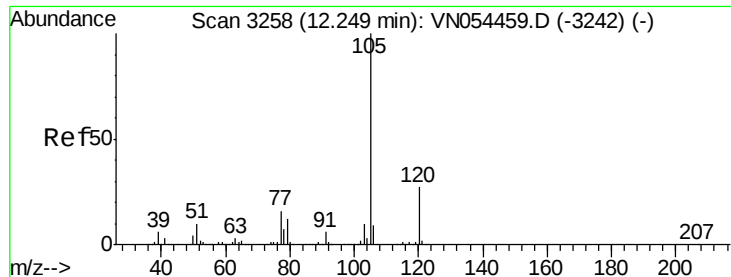
115 57.9 27.2 81.6

150 165.2 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.437 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

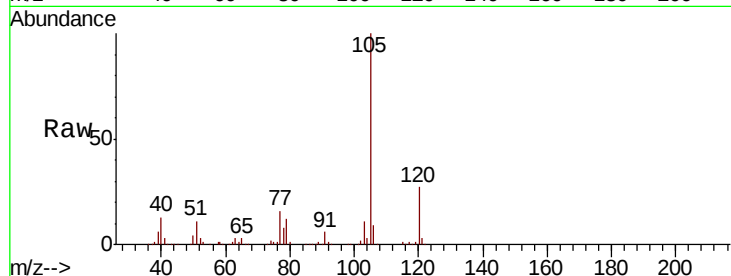
ClientSampled :

Tot Ion:105 Resp: 403365

Ion Ratio Lower Upper

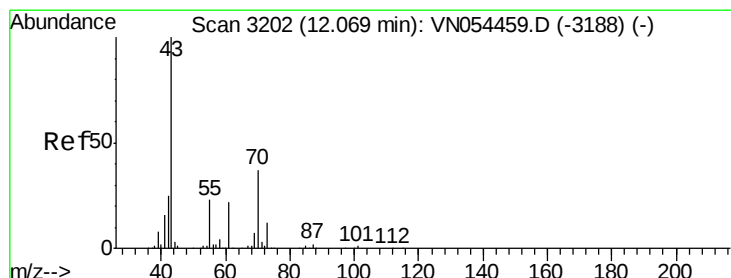
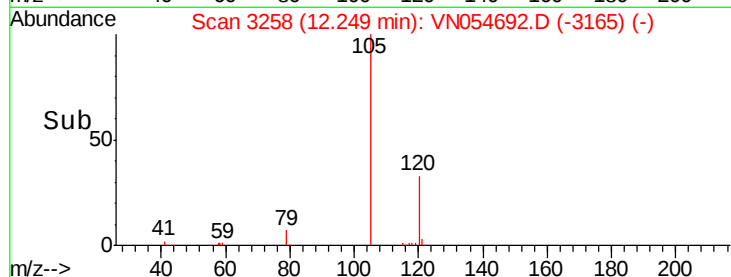
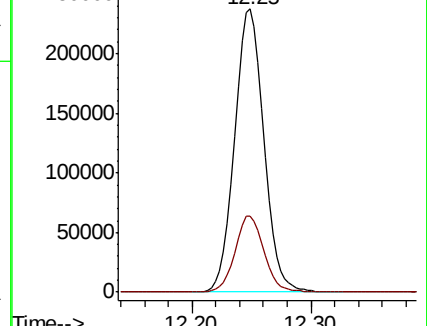
105 100

120 26.7 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.958 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Tgt Ion: 43 Resp: 124610

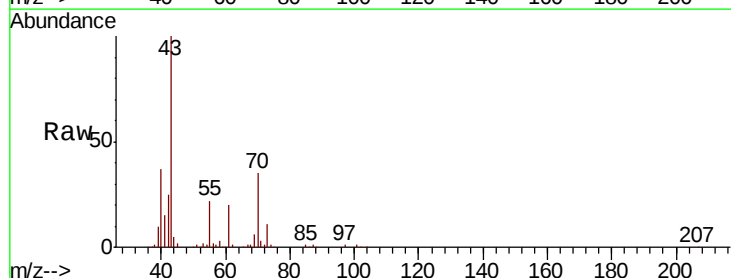
Ion Ratio Lower Upper

43 100

70 36.6 35.4 53.0

55 23.4 19.8 29.6

61 21.3 19.8 29.6

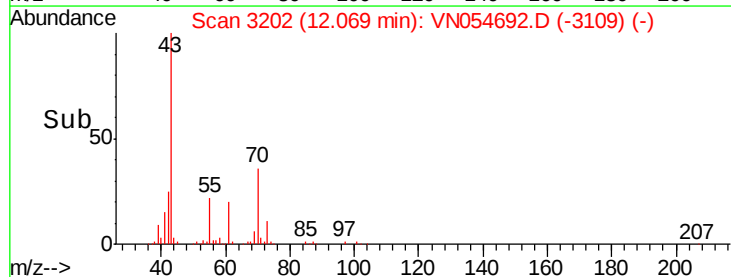
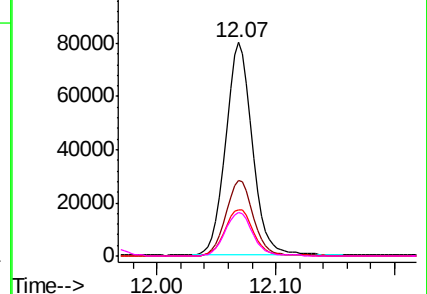


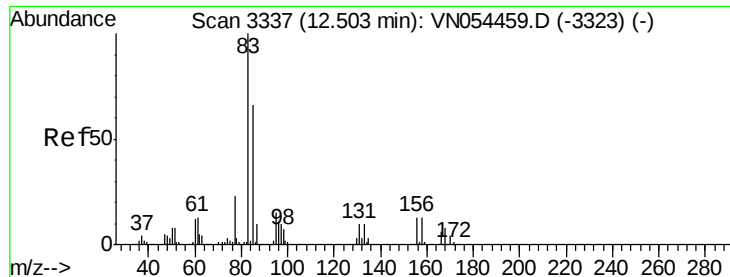
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.739 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

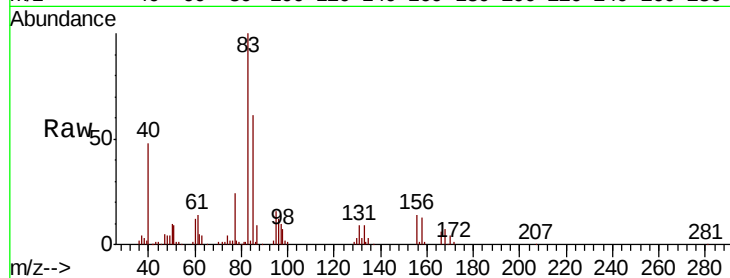
Tot Ion: 83 Resp: 102448

Ion Ratio Lower Upper

83 100

131 9.5 5.8 17.4

85 62.0 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054459.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-3323) (-)

12.50

60000

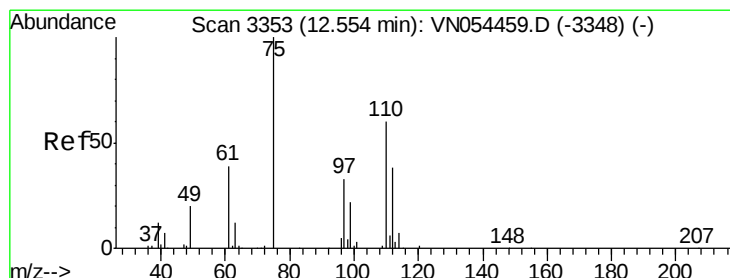
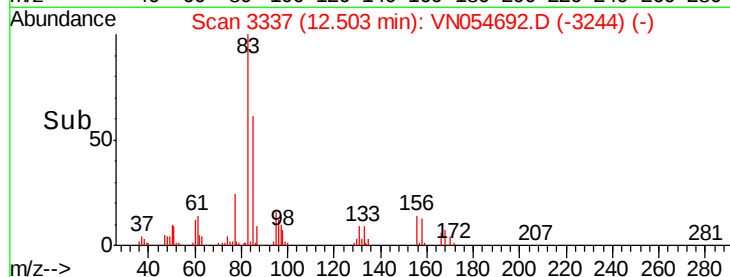
40000

20000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 29.984 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN054692.D

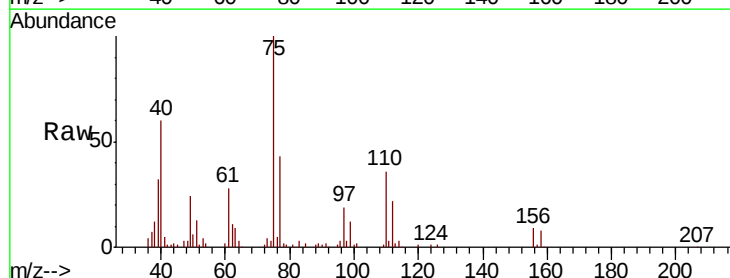
Acq: 26 Mar 2019 12:20

Tgt Ion: 75 Resp: 116535

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054459.D (-3348) (-)

12.55

100000

80000

60000

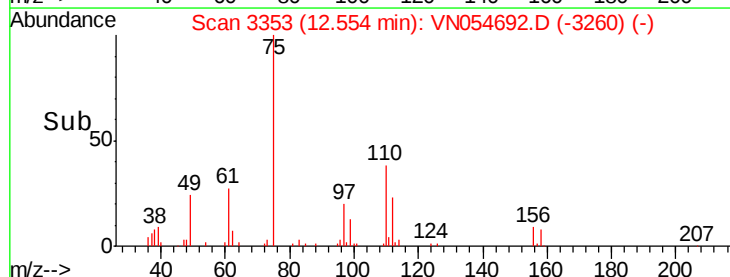
40000

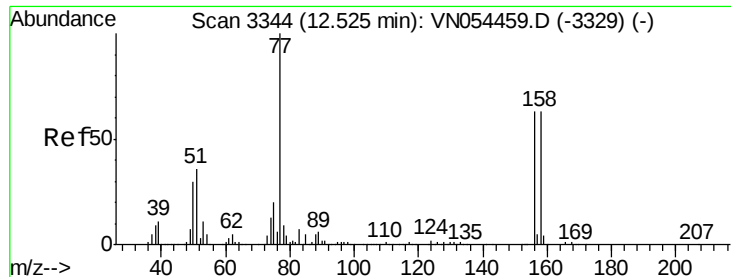
20000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 20.132 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampled :

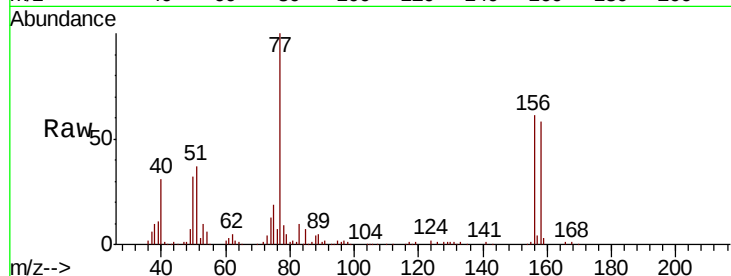
Tot Ion:156 Resp: 98545

Ion Ratio Lower Upper

156 100

77 192.3 81.5 244.4

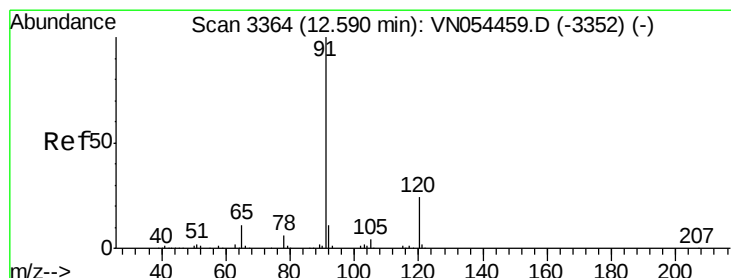
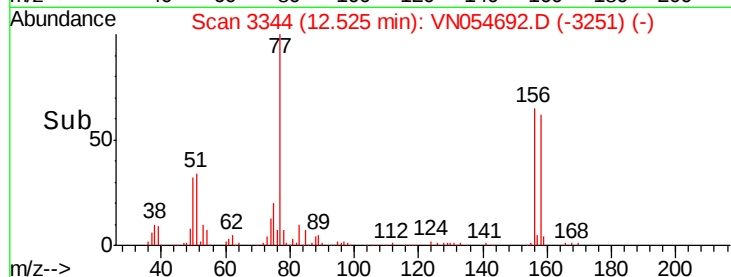
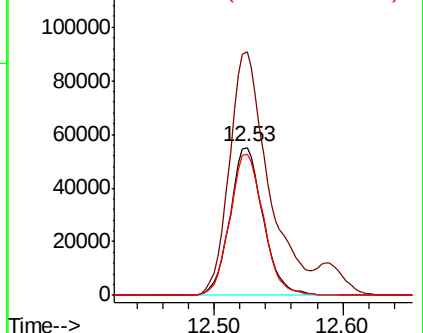
158 97.0 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.982 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054692.D

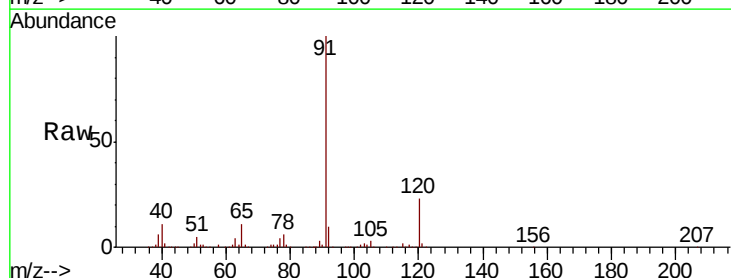
Acq: 26 Mar 2019 12:20

Tgt Ion: 91 Resp: 449062

Ion Ratio Lower Upper

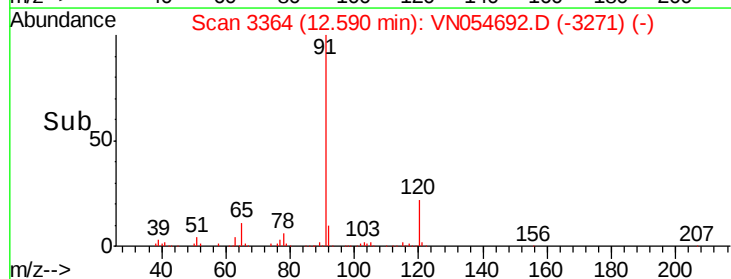
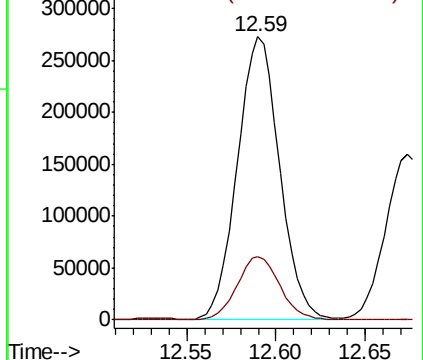
91 100

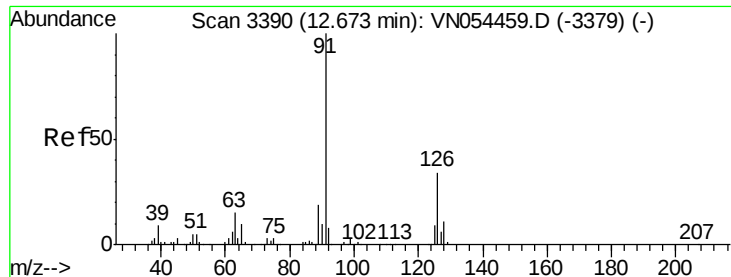
120 22.8 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.860 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

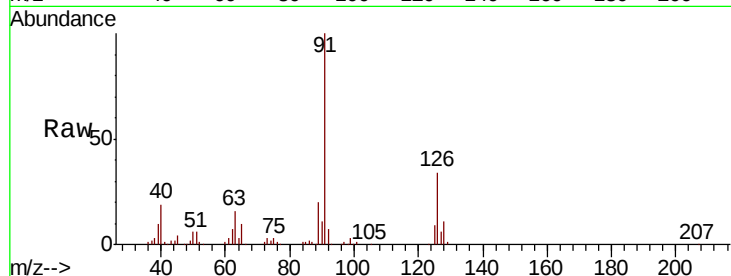
ClientSampled :

Tot Ion: 91 Resp: 278392

Ion Ratio Lower Upper

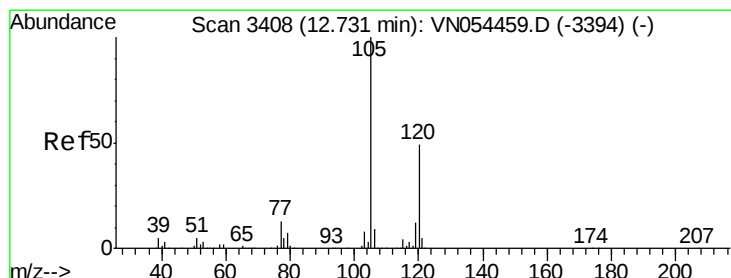
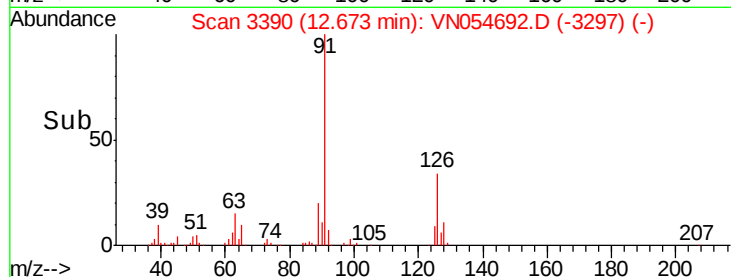
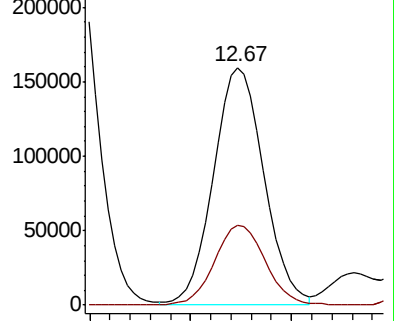
91 100

126 34.1 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VN054459.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN054459.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.691 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054692.D

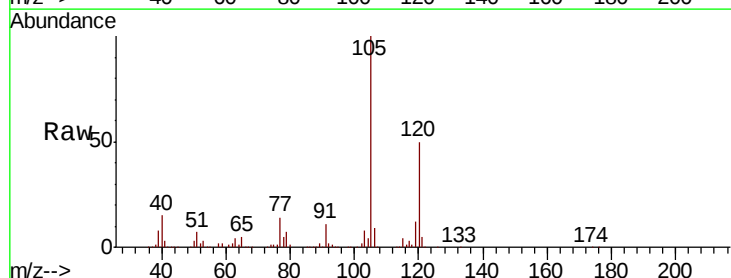
Acq: 26 Mar 2019 12:20

Tgt Ion: 105 Resp: 334699

Ion Ratio Lower Upper

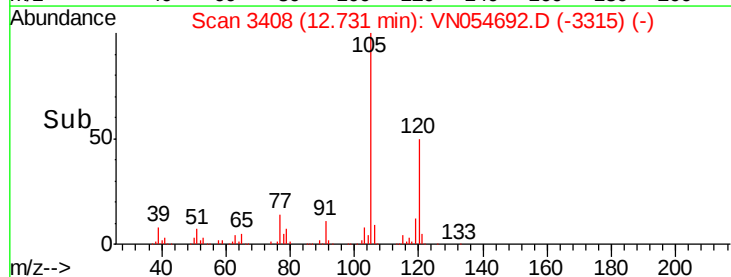
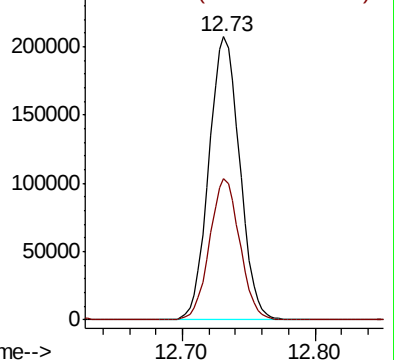
105 100

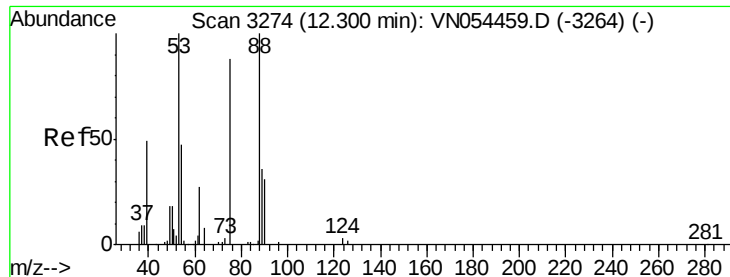
120 48.7 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VN054459.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN054459.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.098 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

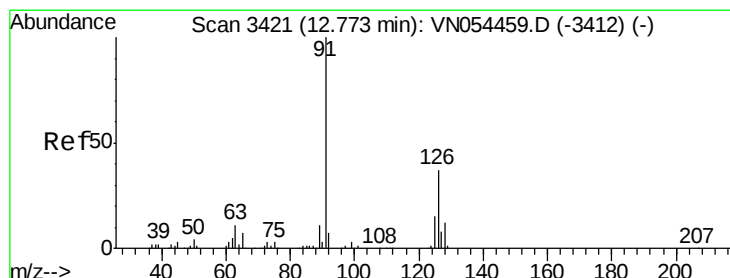
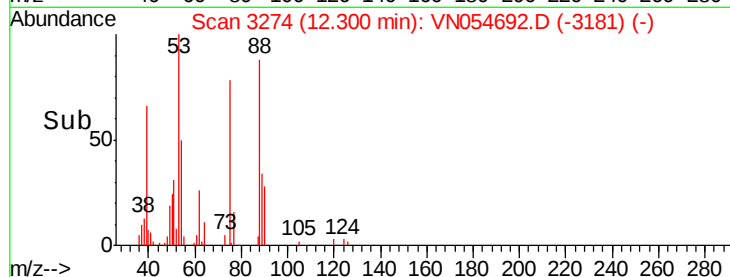
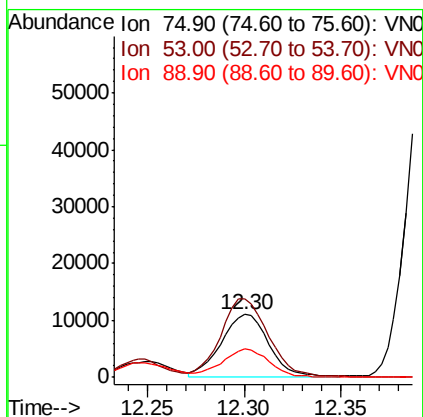
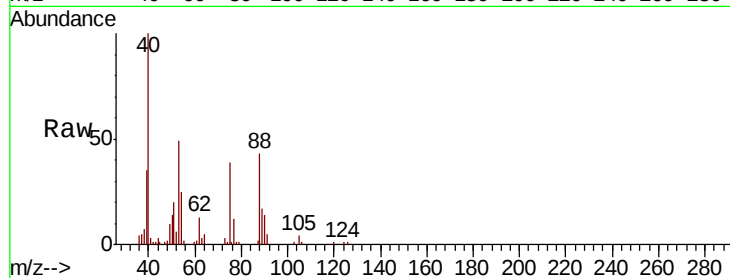
Tot Ion: 75 Resp: 19172

Ion Ratio Lower Upper

75 100

53 126.4 76.2 114.2#

89 44.5 39.2 58.8



#82

4-Chlorotoluene

Concen: 20.585 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054692.D

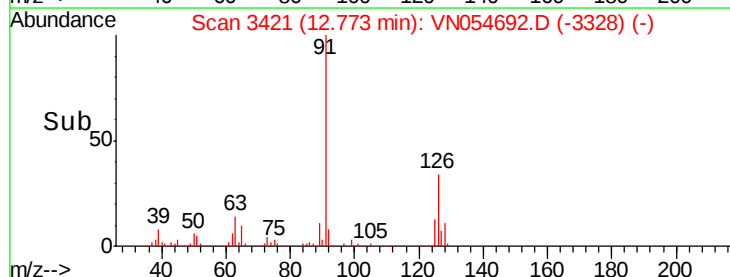
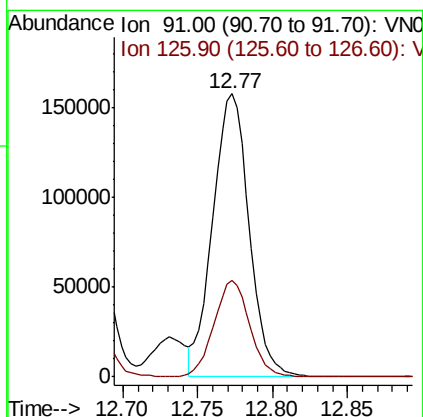
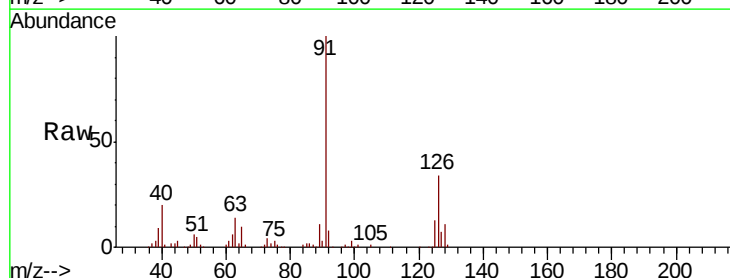
Acq: 26 Mar 2019 12:20

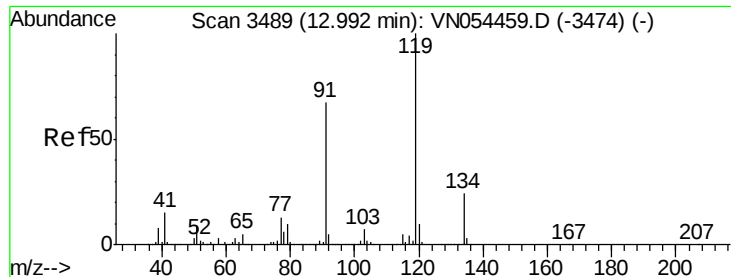
Tgt Ion: 91 Resp: 266297

Ion Ratio Lower Upper

91 100

126 33.7 18.1 54.1





#83

tert-Butylbenzene

Concen: 20.215 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

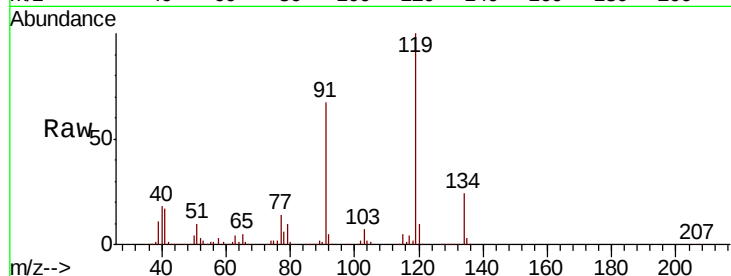
Tot Ion:119 Resp: 284636

Ion Ratio Lower Upper

119 100

91 66.7 30.9 92.8

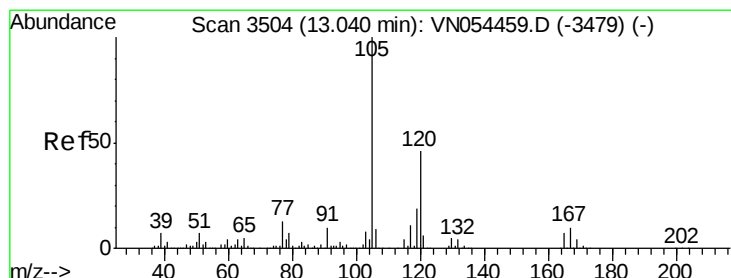
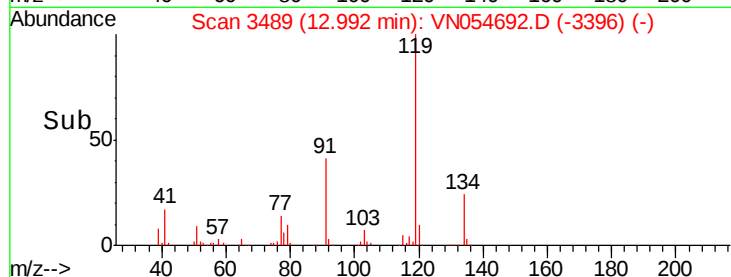
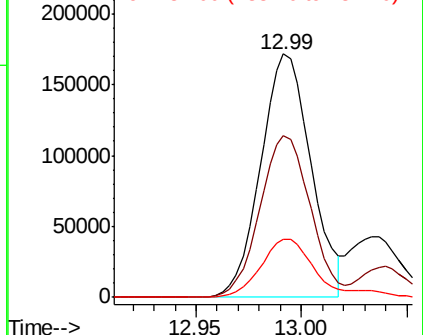
134 26.6 13.2 39.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.747 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054692.D

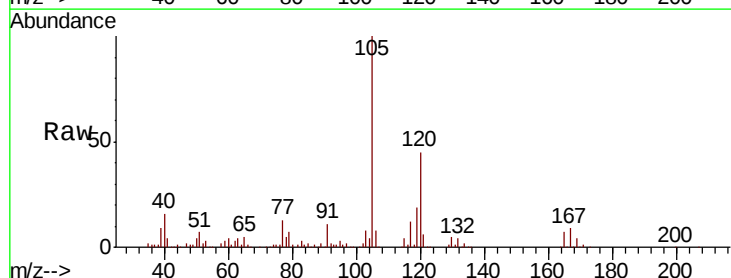
Acq: 26 Mar 2019 12:20

Tgt Ion:105 Resp: 329302

Ion Ratio Lower Upper

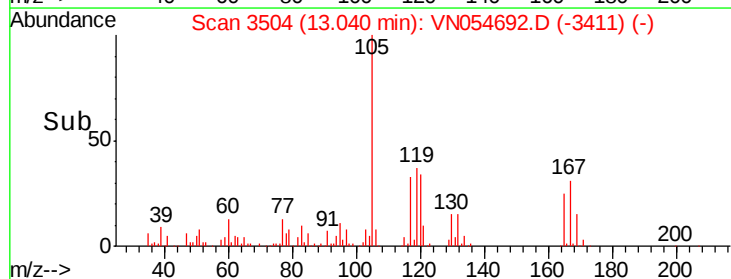
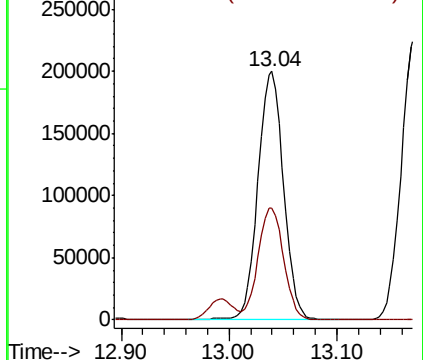
105 100

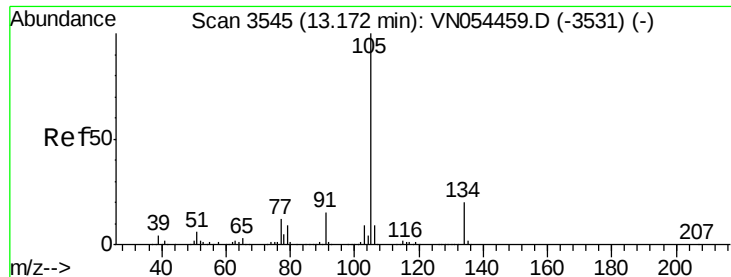
120 45.1 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.743 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

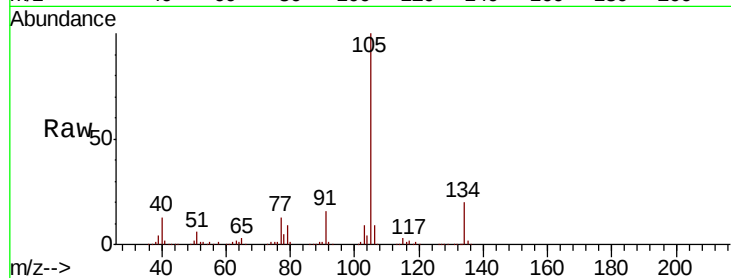
ClientSampleId :

Tot Ion:105 Resp: 364089

Ion Ratio Lower Upper

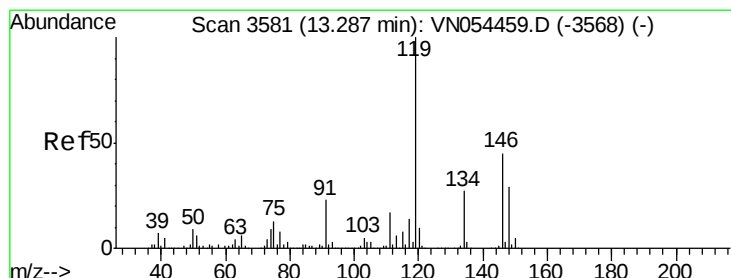
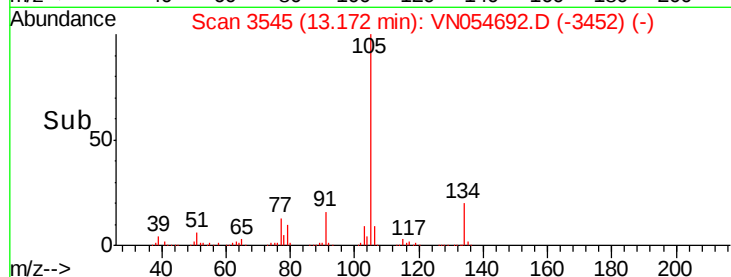
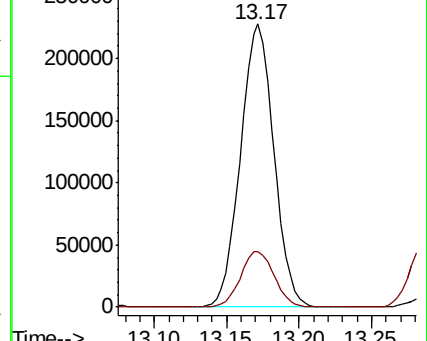
105 100

134 19.9 10.7 32.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.486 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

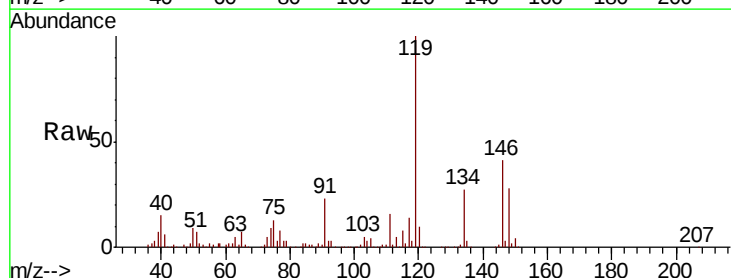
Tgt Ion:119 Resp: 321702

Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

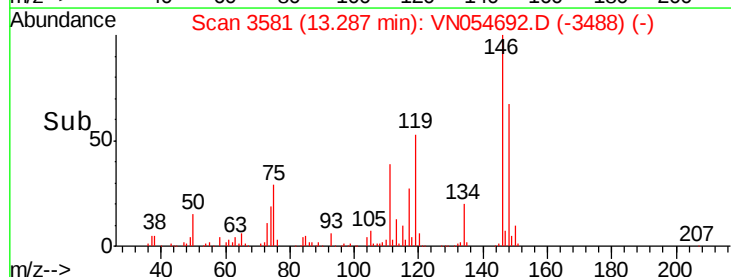
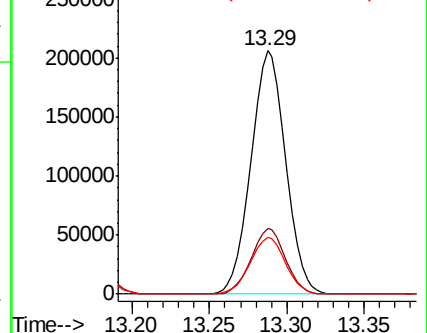
91 23.9 11.1 33.3

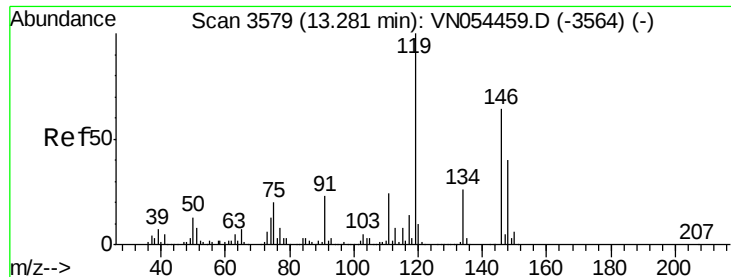


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

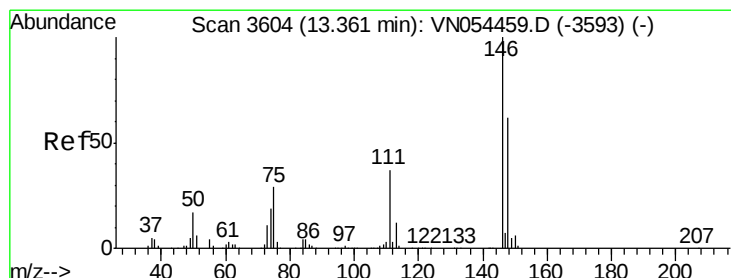
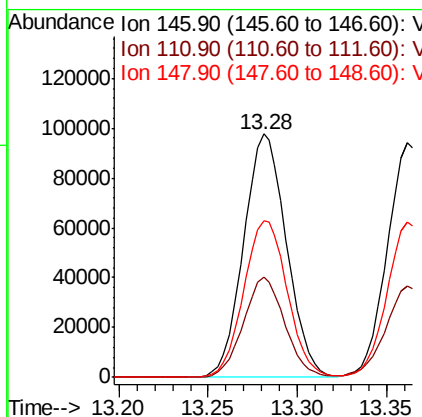
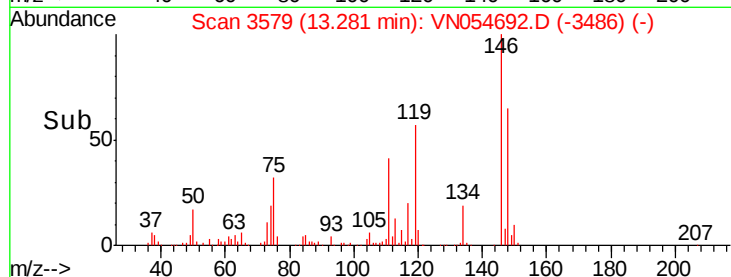
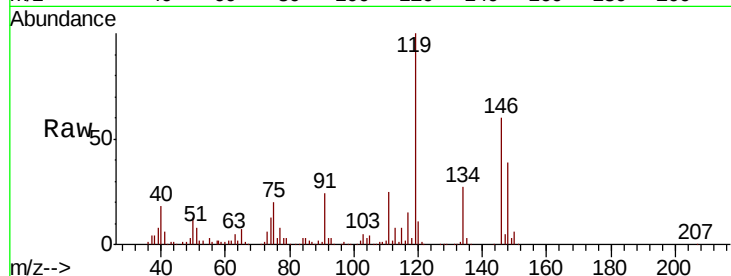




#87
 1,3-Dichlorobenzene
 Concen: 20.286 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

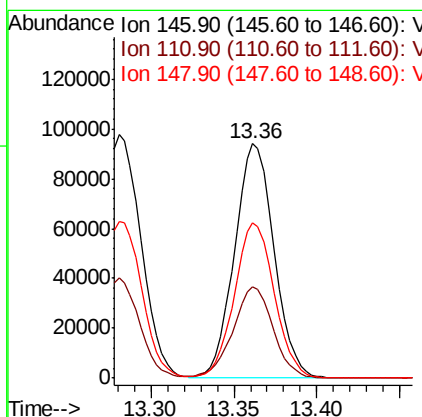
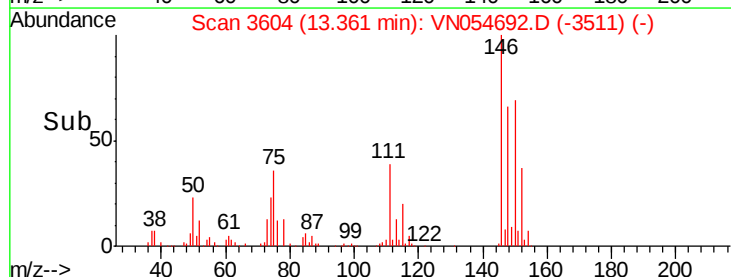
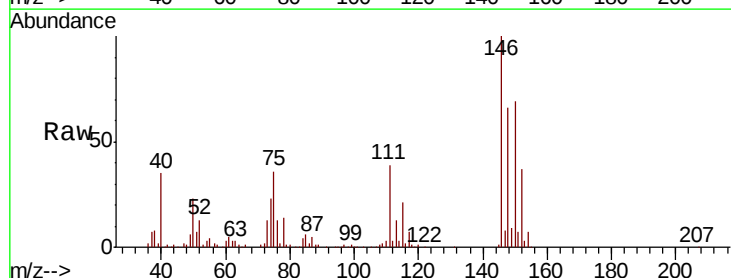
Instrument :
 MSVOA_N
 ClientSampled :

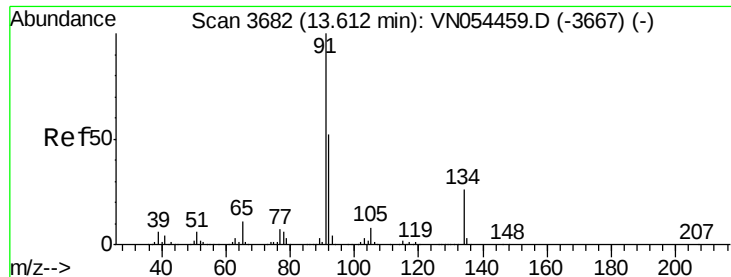
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.8	56.3
148	65.4	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.782 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	18.1	54.1
148	66.8	32.0	96.0

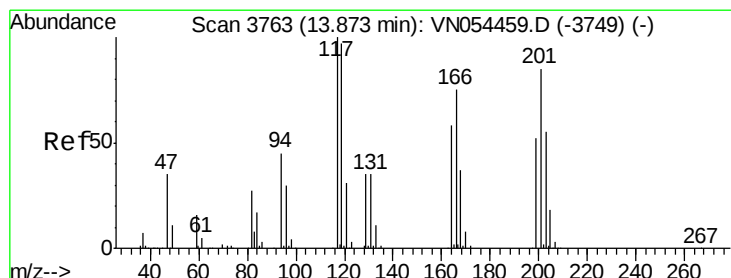
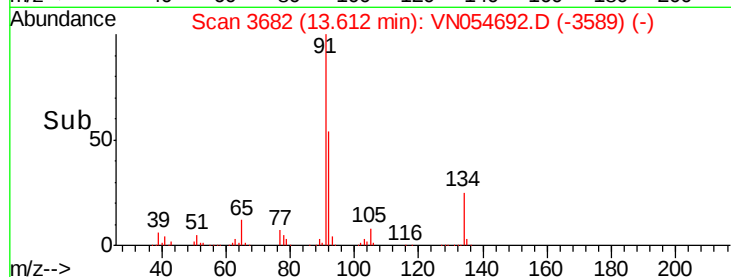
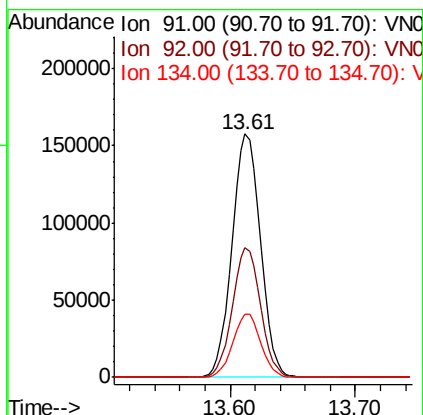
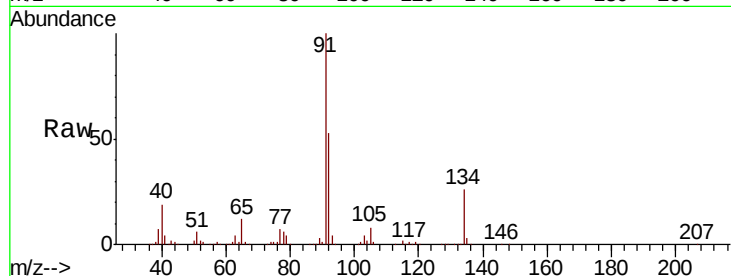




#89
n-Butylbenzene
Concen: 20.251 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

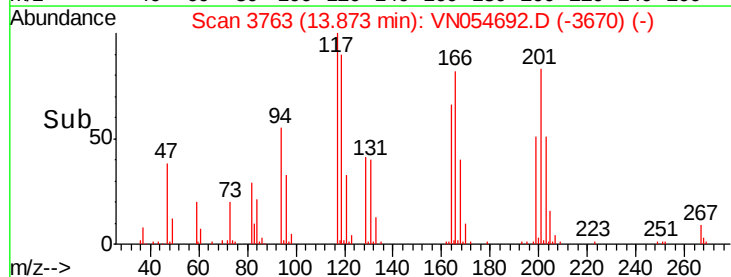
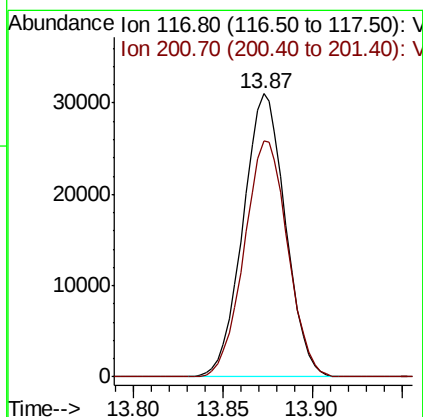
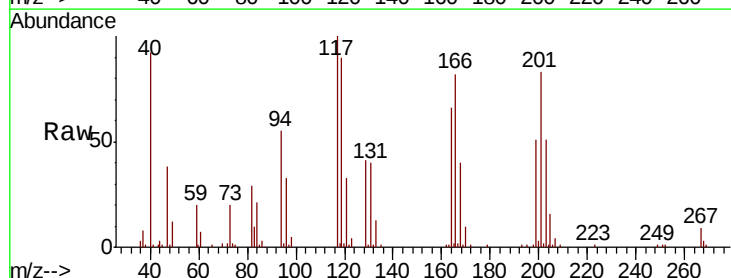
Instrument :
MSVOA_N
ClientSampleId :

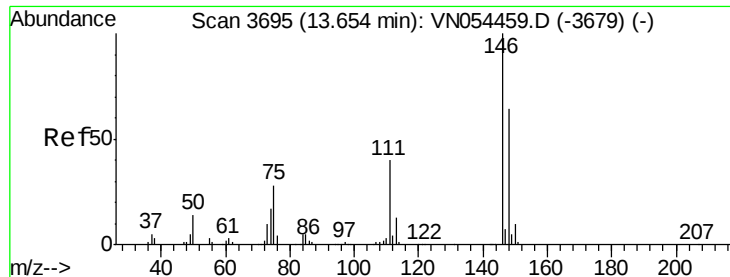
Tot Ion: 91 Resp: 248666
Ion Ratio Lower Upper
91 100
92 52.6 26.2 78.6
134 25.6 14.3 42.9



#90
Hexachloroethane
Concen: 21.140 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054692.D
Acq: 26 Mar 2019 12:20

Tgt Ion: 117 Resp: 51529
Ion Ratio Lower Upper
117 100
201 85.5 48.1 144.4





#91

1,2-Dichlorobenzene

Concen: 20.955 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

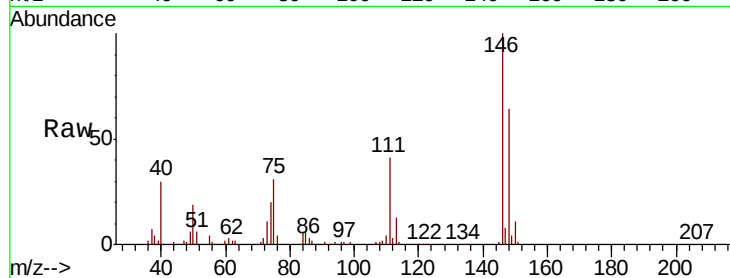
Tot Ion:146 Resp: 164641

Ion Ratio Lower Upper

146 100

111 41.5 19.1 57.3

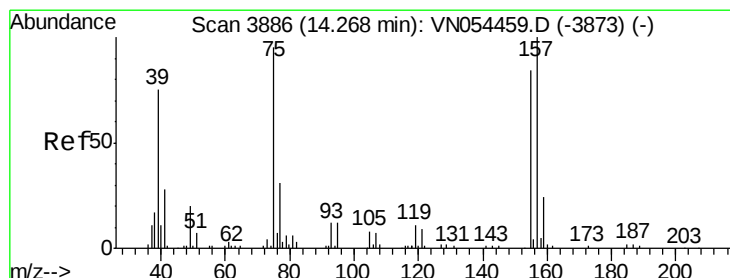
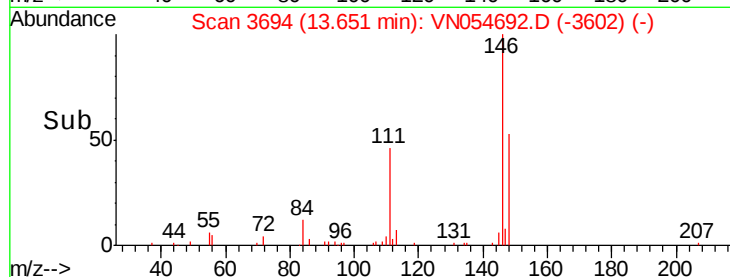
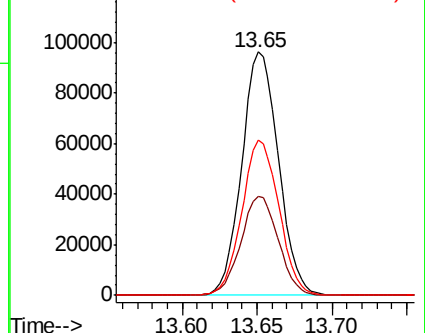
148 64.3 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.944 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

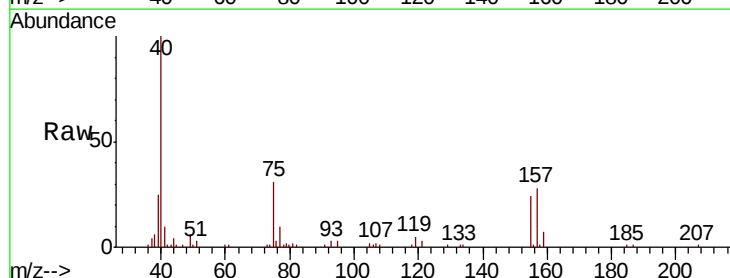
Tgt Ion: 75 Resp: 15162

Ion Ratio Lower Upper

75 100

155 79.5 50.1 150.3

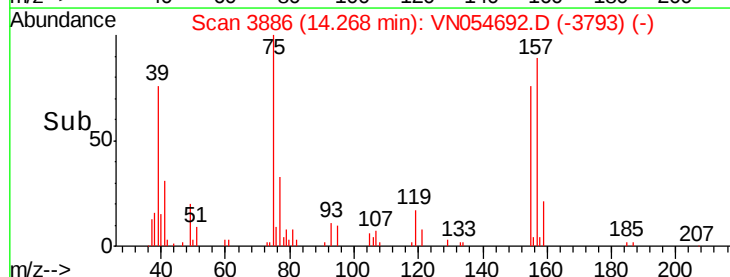
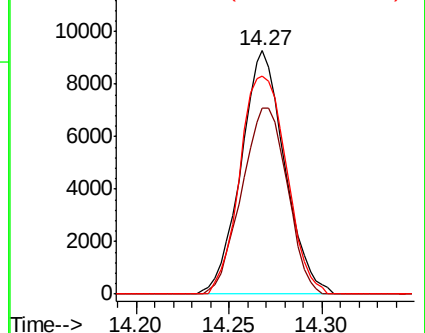
157 95.7 63.1 189.3

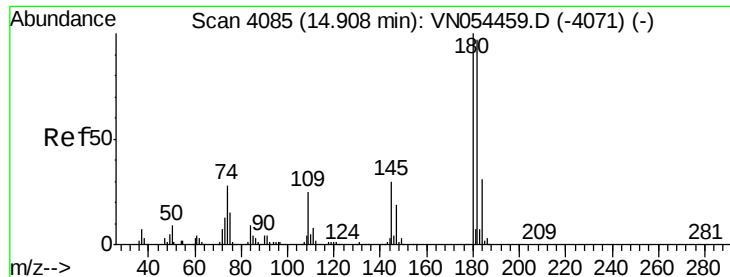


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

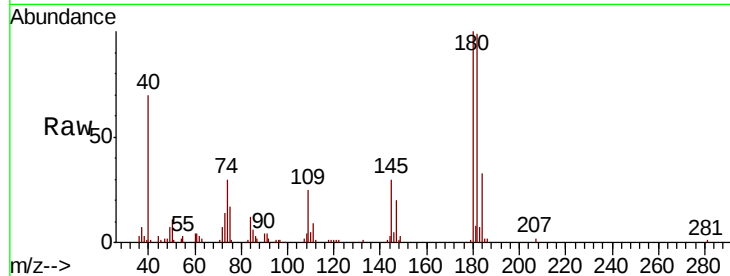




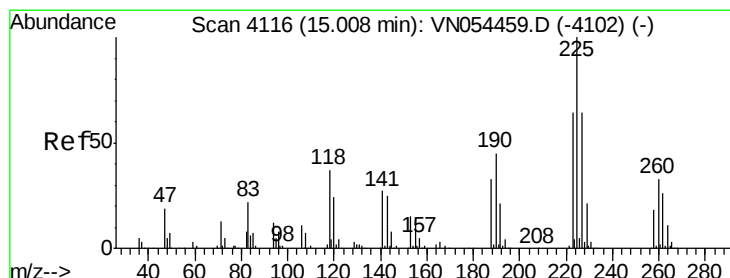
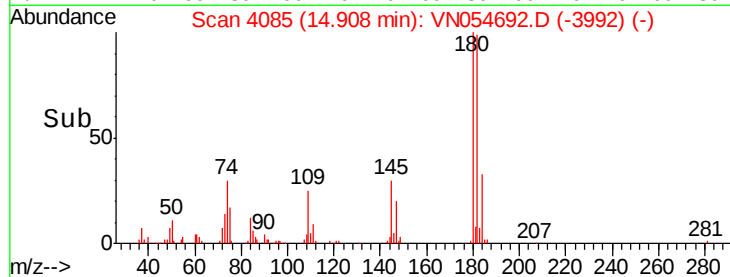
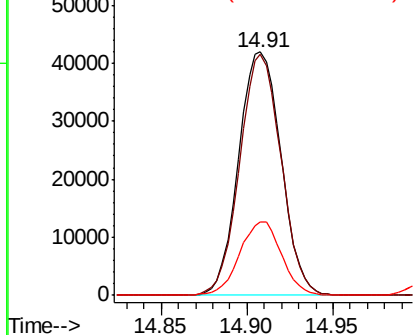
#93
 1,2,4-Trichlorobenzene
 Concen: 18.347 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 71862
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.0 144.2
 145 29.9 14.2 42.8

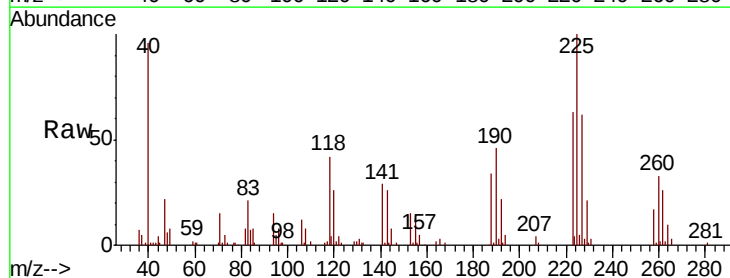


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

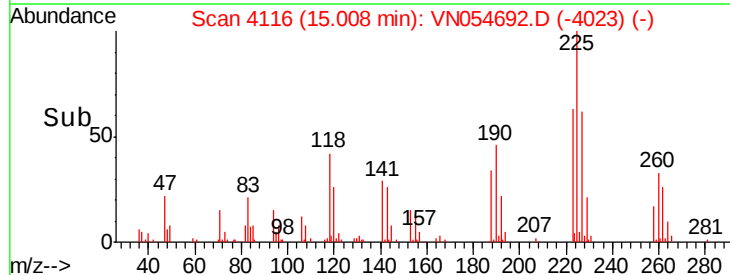
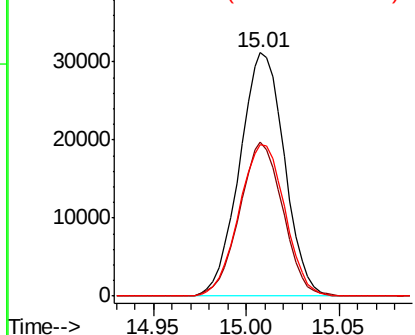


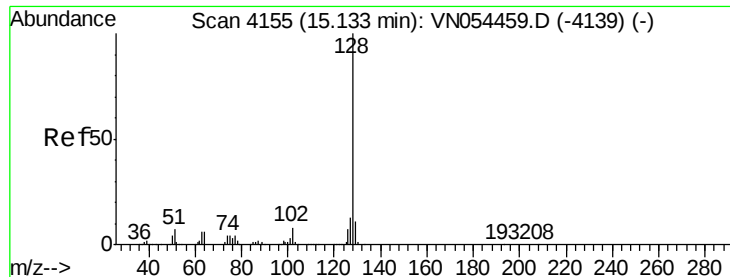
#94
 Hexachlorobutadiene
 Concen: 22.462 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054692.D
 Acq: 26 Mar 2019 12:20

Tgt Ion:225 Resp: 52435
 Ion Ratio Lower Upper
 225 100
 223 61.2 31.1 93.5
 227 63.9 31.9 95.9



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.366 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

Instrument :

MSVOA_N

ClientSampleId :

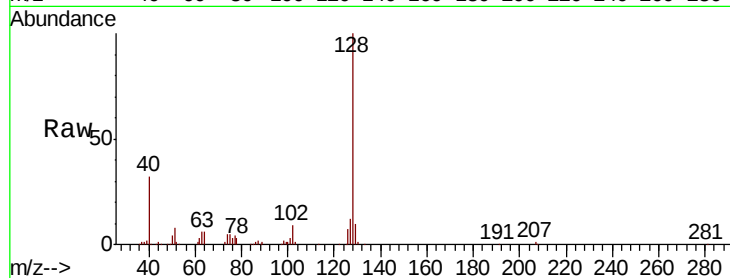
Tot Ion:128 Resp: 160454

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

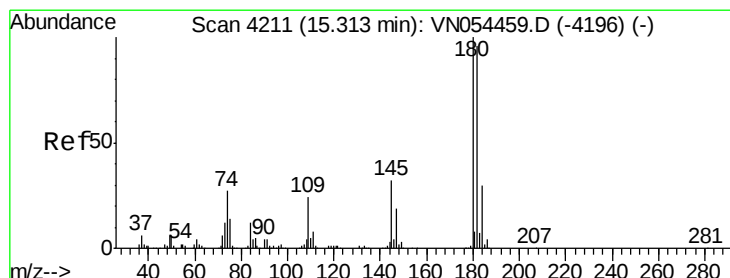
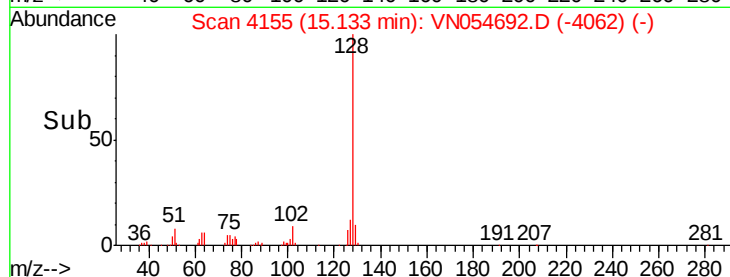
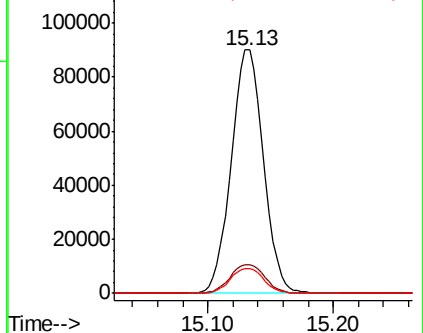
129 10.7 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.229 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN054692.D

Acq: 26 Mar 2019 12:20

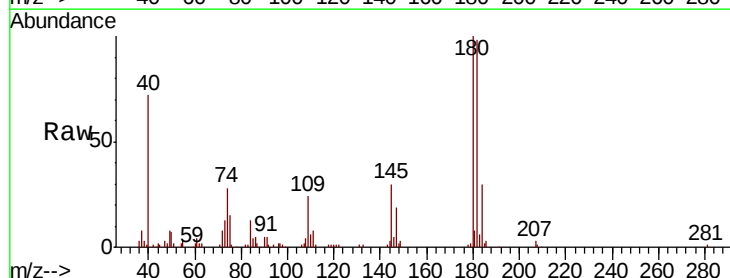
Tgt Ion:180 Resp: 74958

Ion Ratio Lower Upper

180 100

182 96.3 47.5 142.6

145 30.6 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

