

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055931.D
 Acq On : 31 May 2019 20:09
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 01 02:04:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	298035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	450049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	398453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	174777	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	165279	53.70	ug/l	0.00
Spiked Amount			Recovery	=	107.40%	
35) Dibromofluoromethane	7.59	113	145292	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	10.09	98	545697	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	187410	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	88774	44.258	ug/l	99
3) Chloromethane	2.06	50	125995	44.833	ug/l	98
4) Vinyl Chloride	2.18	62	138287	46.135	ug/l	99
5) Bromomethane	2.53	94	90883	48.464	ug/l	99
6) Chloroethane	2.68	64	90193	49.977	ug/l	99
7) Trichlorofluoromethane	3.00	101	192613	49.013	ug/l	100
8) Diethyl Ether	3.40	74	88492	50.241	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	122858	50.083	ug/l	98
10) Methyl Iodide	3.94	142	181794	50.689	ug/l	100
11) Tert butyl alcohol	4.82	59	146133	248.493	ug/l	98
12) 1,1-Dichloroethene	3.72	96	123869	48.869	ug/l	98
13) Acrolein	3.60	56	93348	221.683	ug/l	99
14) Allyl chloride	4.31	41	203056	46.731	ug/l	98
15) Acrylonitrile	4.99	53	369316	273.491	ug/l	100
16) Acetone	3.82	43	319711	236.304	ug/l	99
17) Carbon Disulfide	4.04	76	264710	36.758	ug/l	99
18) Methyl Acetate	4.33	43	163052	59.521	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	437441	51.746	ug/l	99
20) Methylene Chloride	4.54	84	146351	49.948	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	134312	49.323	ug/l	97
22) Diisopropyl ether	5.96	45	446224	52.799	ug/l	99
23) Vinyl Acetate	5.90	43	1855568	256.080	ug/l	100
24) 1,1-Dichloroethane	5.84	63	248719	50.546	ug/l	99
25) 2-Butanone	6.84	43	501120	265.210	ug/l	99
26) 2,2-Dichloropropane	6.82	77	178275	41.863	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	166464	52.397	ug/l	98
28) Bromochloromethane	7.19	49	121160	51.716	ug/l	100
29) Tetrahydrofuran	7.22	42	323434	270.299	ug/l	99
30) Chloroform	7.37	83	256136	52.195	ug/l	99
31) Cyclohexane	7.65	56	217350	47.048	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	214893	49.073	ug/l	100
36) 1,1-Dichloropropene	7.79	75	186014	47.429	ug/l	99
37) Ethyl Acetate	6.93	43	200188	52.812	ug/l	98
38) Carbon Tetrachloride	7.77	117	177514	43.452	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	216684	44.616	ug/l	99
40) Benzene	8.04	78	592082	50.091	ug/l	100
41) Methacrylonitrile	7.18	41	93636	48.895	ug/l	97
42) 1,2-Dichloroethane	8.12	62	191925	49.691	ug/l	100
43) Isopropyl Acetate	8.17	43	318878	50.068	ug/l #	92
44) Trichloroethene	8.83	130	163125	49.503	ug/l	100
45) 1,2-Dichloropropane	9.12	63	157586	51.170	ug/l	99
46) Dibromomethane	9.21	93	102256	50.630	ug/l	99
47) Bromodichloromethane	9.40	83	194074	46.862	ug/l	99
48) Methyl methacrylate	9.20	41	153330	52.237	ug/l	99
49) 1,4-Dioxane	9.21	88	63724	1044.705	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	986279	262.206	ug/l	99
52) Toluene	10.16	92	371751	50.007	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	206685	46.755	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	233768	47.735	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	153477	51.534	ug/l	97
56) Ethyl methacrylate	10.43	69	233771	50.790	ug/l	99
57) 1,3-Dichloropropane	10.71	76	252770	52.215	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	429208	244.015	ug/l	99
59) 2-Hexanone	10.75	43	679468	254.634	ug/l	99
60) Dibromochloromethane	10.90	129	160564	46.280	ug/l	99
61) 1,2-Dibromoethane	11.00	107	157742	51.064	ug/l	98
64) Tetrachloroethene	10.63	164	162829	48.452	ug/l	100
65) Chlorobenzene	11.43	112	397586	49.844	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	151824	47.723	ug/l	99
67) Ethyl Benzene	11.51	91	698749	48.849	ug/l	99
68) m/p-Xylenes	11.62	106	534101	98.766	ug/l	99
69) o-Xylene	11.95	106	264493	49.298	ug/l	99
70) Styrene	11.96	104	438502	50.470	ug/l	100
71) Bromoform	12.13	173	114878	42.335	ug/l #	100
73) Isopropylbenzene	12.25	105	690671	55.866	ug/l	100
74) N-amyl acetate	12.07	43	252704	53.556	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	214926	58.963	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	252202	86.074	ug/l #	100
77) Bromobenzene	12.53	156	182796	49.013	ug/l	99
78) n-propylbenzene	12.59	91	740722	48.762	ug/l	100
79) 2-Chlorotoluene	12.67	91	450294	55.303	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	567848	54.492	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56781	43.712	ug/l	94
82) 4-Chlorotoluene	12.77	91	435175	48.735	ug/l	100
83) tert-Butylbenzene	12.99	119	499730	55.582	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	562133	53.991	ug/l	99
85) sec-Butylbenzene	13.17	105	642344	54.823	ug/l	99
86) p-Isopropyltoluene	13.29	119	577179	47.553	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	290341	49.164	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	279473	49.776	ug/l	99
89) n-Butylbenzene	13.61	91	438663	47.169	ug/l	99
90) Hexachloroethane	13.87	117	96175	41.629	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	289951	49.212	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35100	45.324	ug/l	99

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Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration

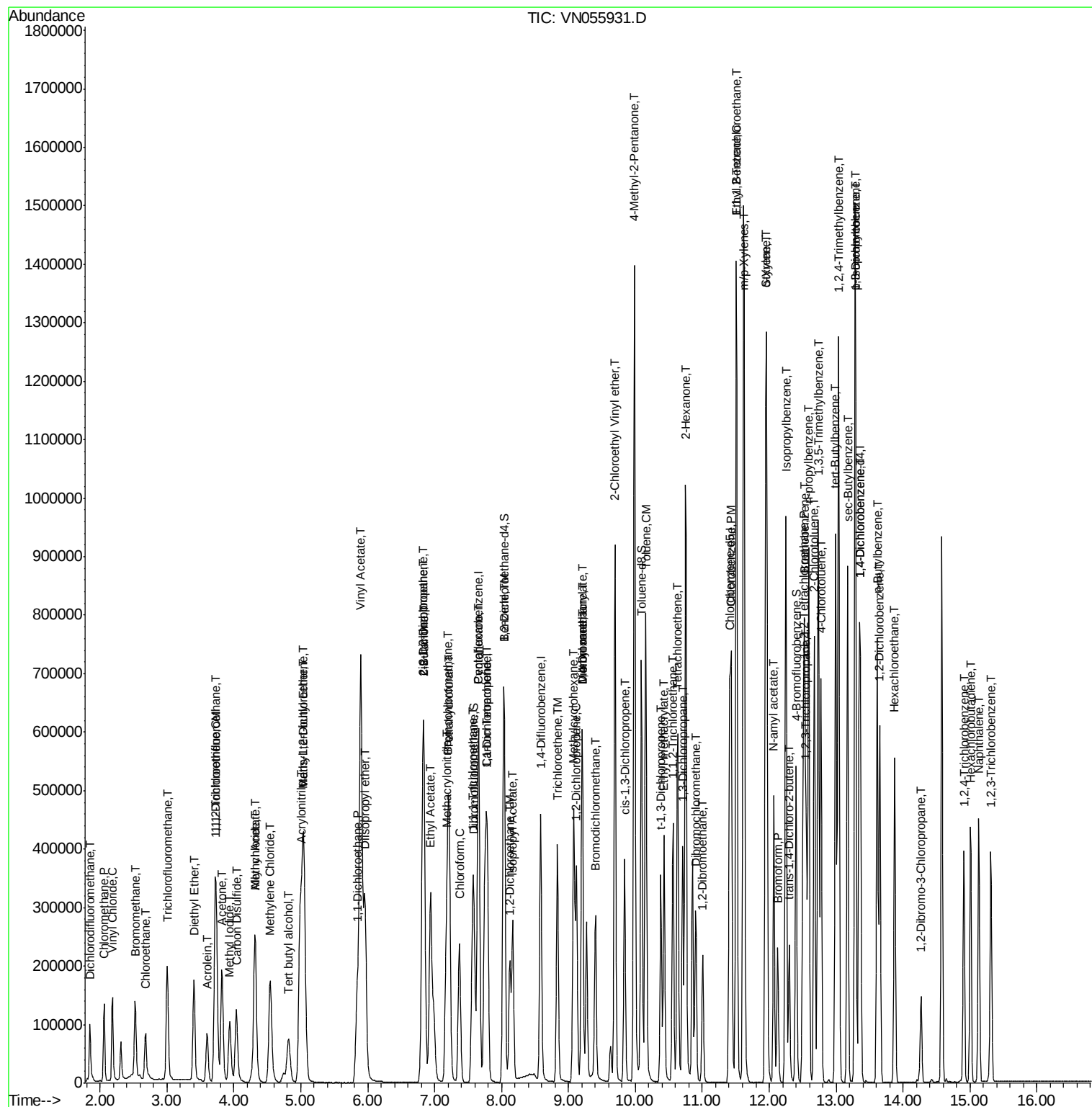
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	139689	41.847	ug/l	98
94) Hexachlorobutadiene	15.01	225	98129	47.223	ug/l	99
95) Naphthalene	15.13	128	398671	49.310	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	154134	49.489	ug/l	99

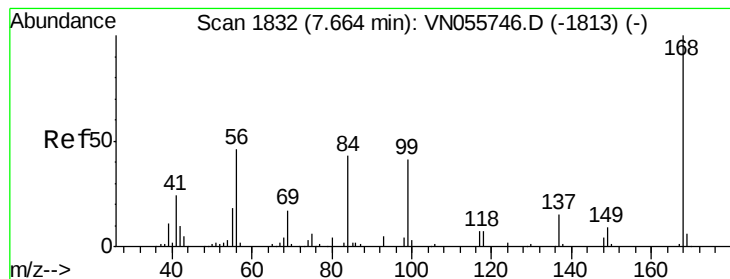
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN053119\
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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: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

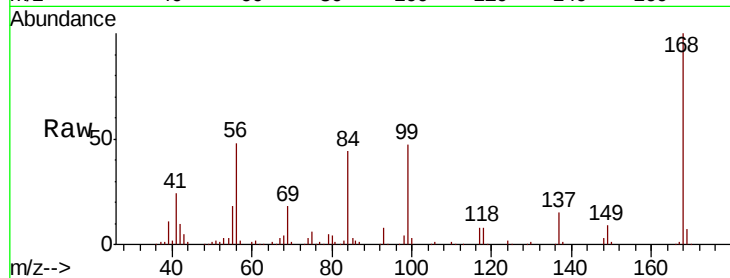
VSTDCCC050EC

Tot Ion:168 Resp: 298035

Ion Ratio Lower Upper

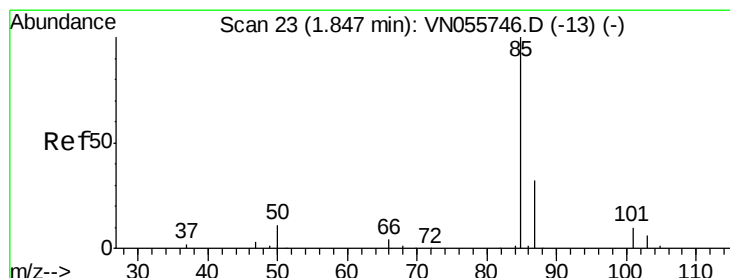
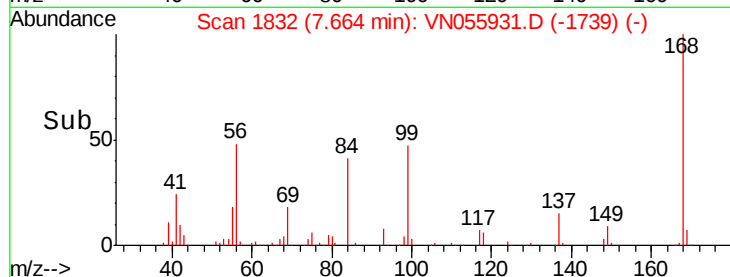
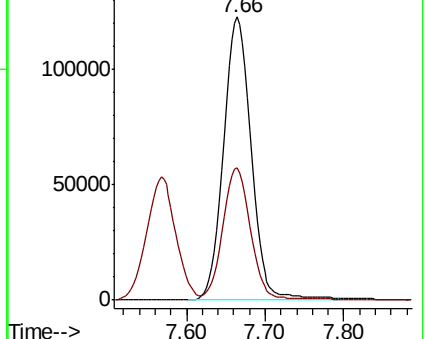
168 100

99 46.2 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 44.258 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055931.D

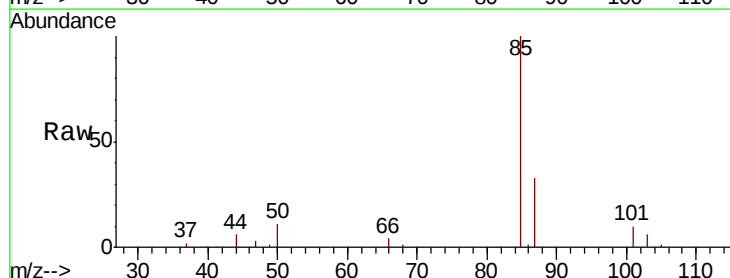
Acq: 31 May 2019 20:09

Tgt Ion: 85 Resp: 88774

Ion Ratio Lower Upper

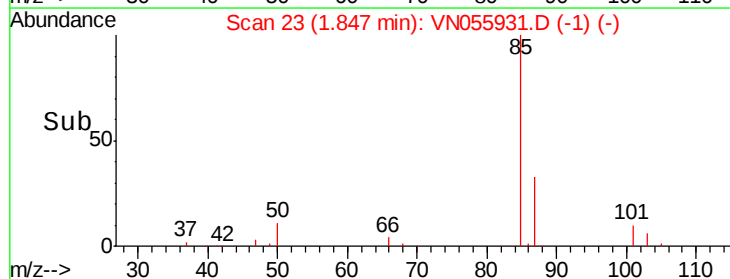
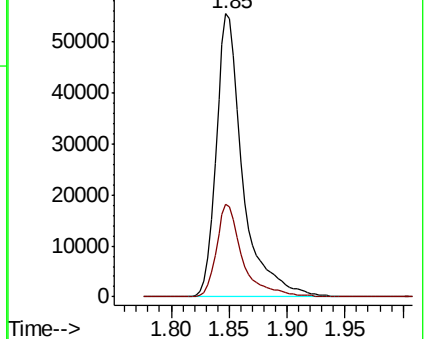
85 100

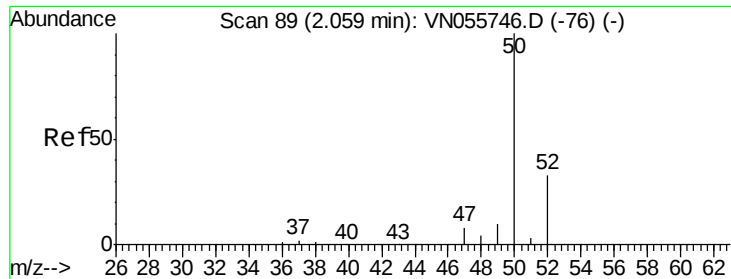
87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 44.833 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

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ClientSampleId :

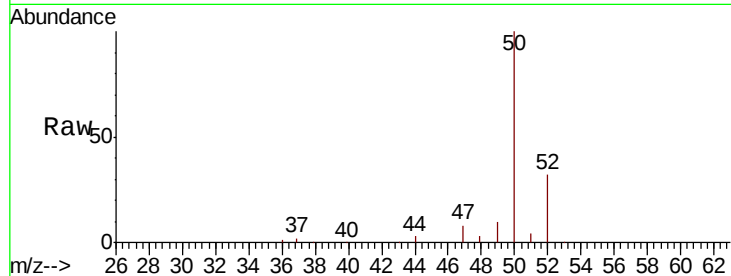
VSTDCCC050EC

Tot Ion: 50 Resp: 125995

Ion Ratio Lower Upper

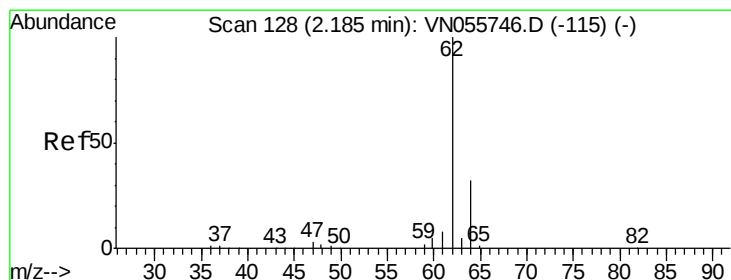
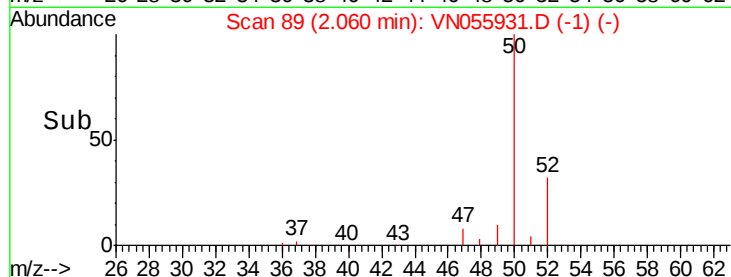
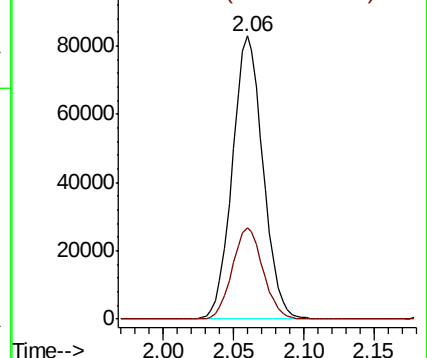
50 100

52 32.1 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.135 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055931.D

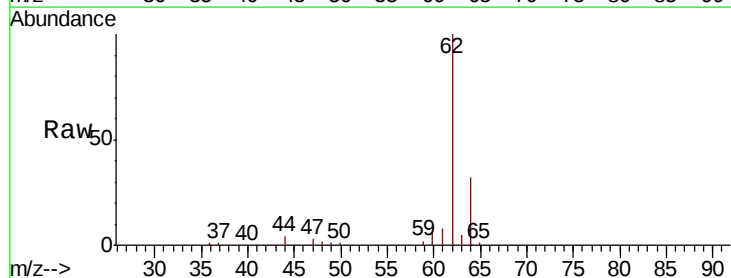
Acq: 31 May 2019 20:09

Tgt Ion: 62 Resp: 138287

Ion Ratio Lower Upper

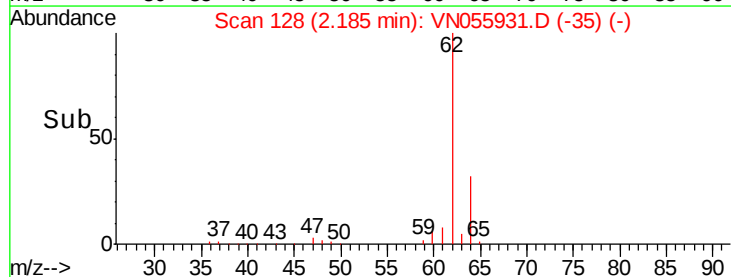
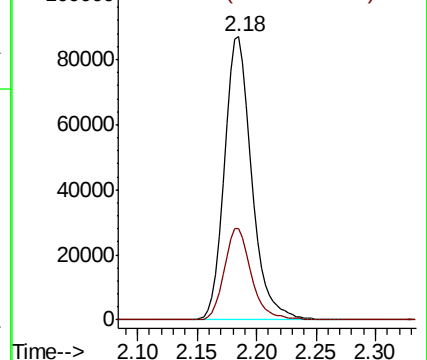
62 100

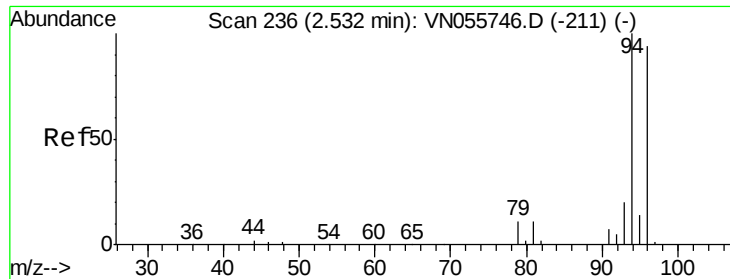
64 32.4 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 48.464 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

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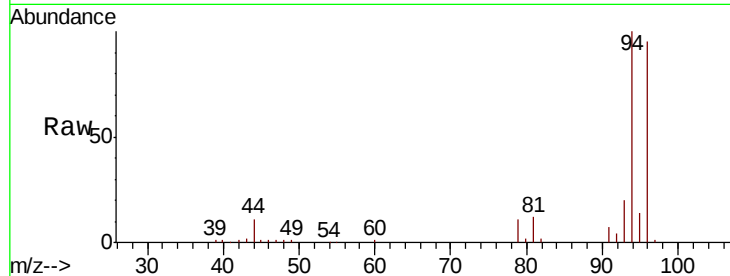
VSTDCCC050EC

Tot Ion: 94 Resp: 90883

Ion Ratio Lower Upper

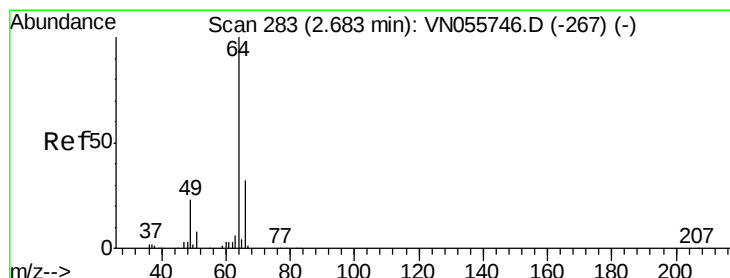
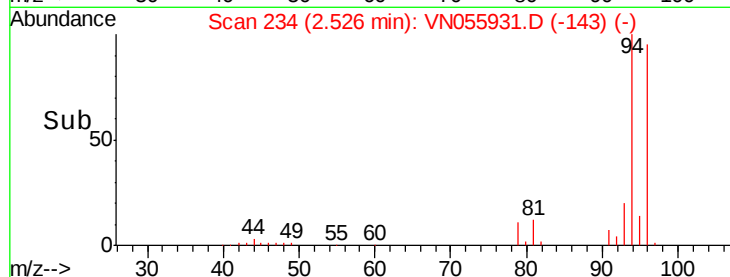
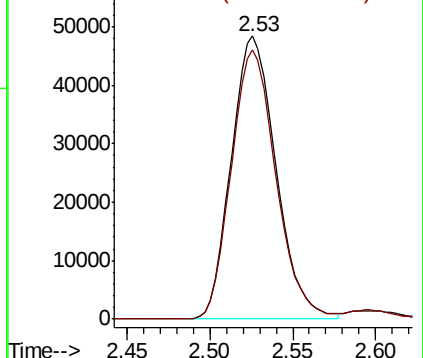
94 100

96 95.0 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.977 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN055931.D

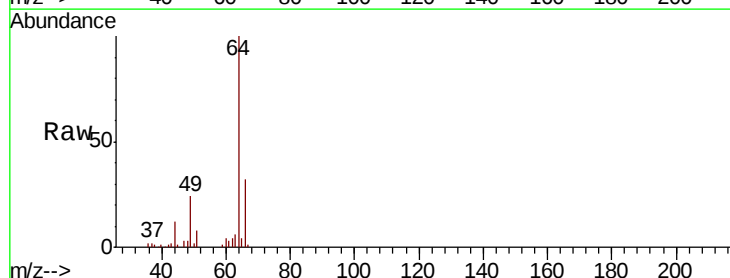
Acq: 31 May 2019 20:09

Tgt Ion: 64 Resp: 90193

Ion Ratio Lower Upper

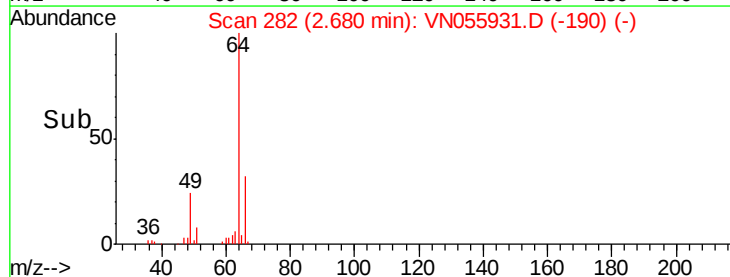
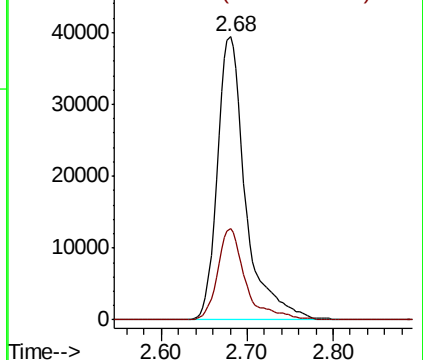
64 100

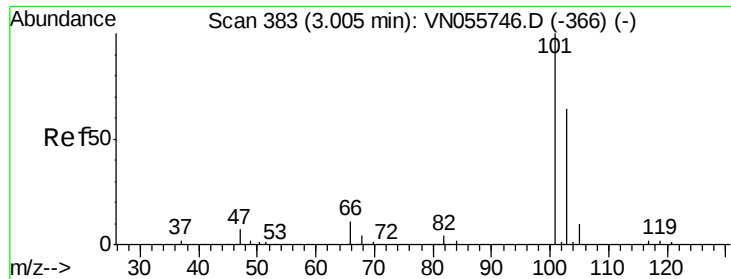
66 32.1 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



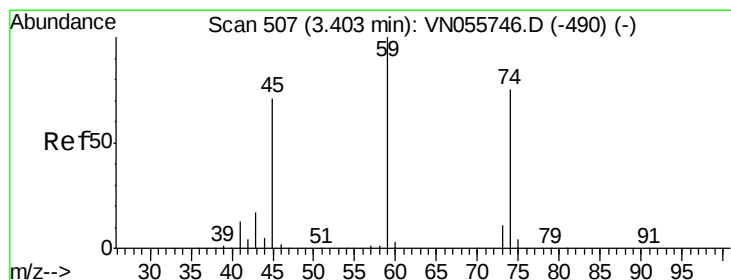
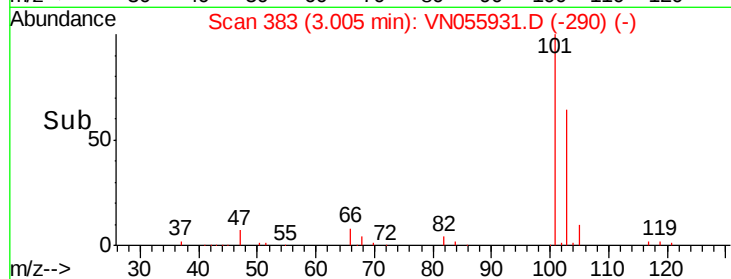
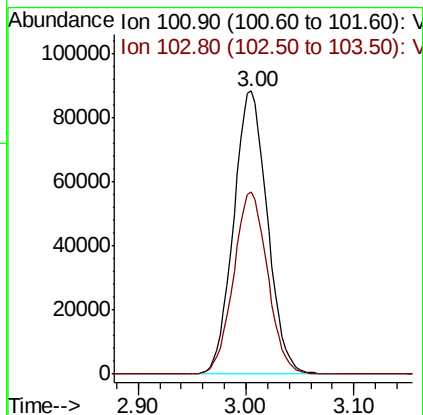
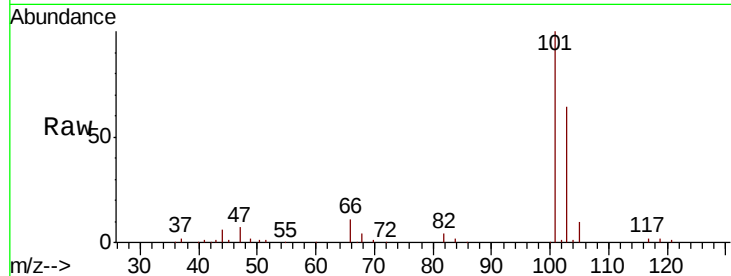


#7

Trichlorofluoromethane
Concen: 49.013 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
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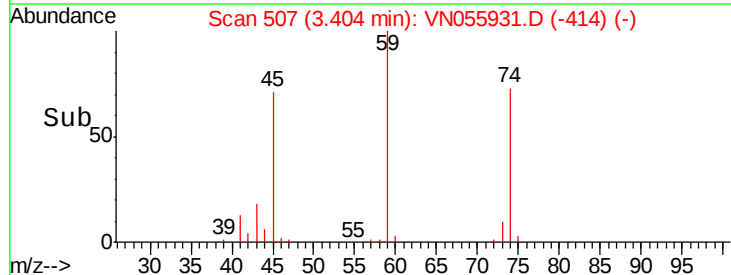
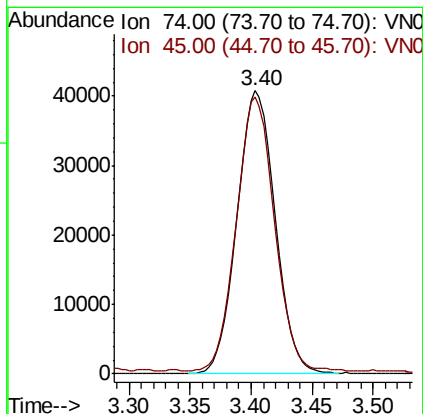
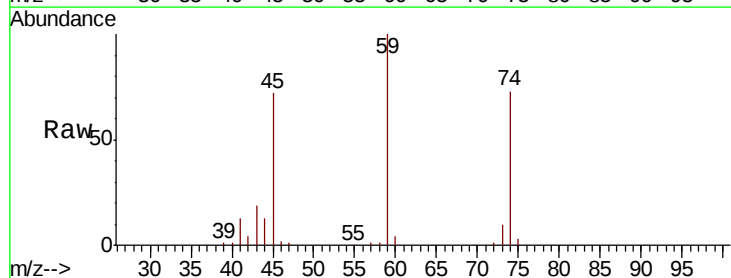
Tot Ion:101 Resp: 192613
Ion Ratio Lower Upper
101 100
103 64.3 51.2 76.8

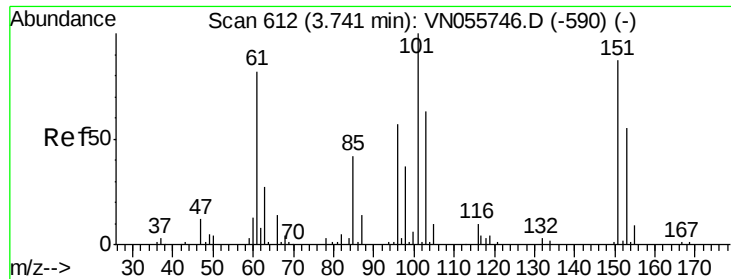


#8

Diethyl Ether
Concen: 50.241 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 74 Resp: 88492
Ion Ratio Lower Upper
74 100
45 96.2 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.083 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

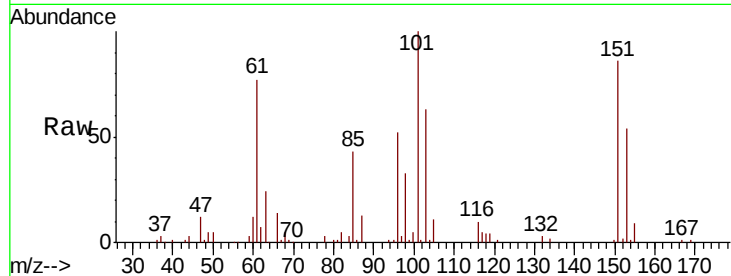
Tot Ion:101 Resp: 122858

Ion Ratio Lower Upper

101 100

85 42.1 33.4 50.2

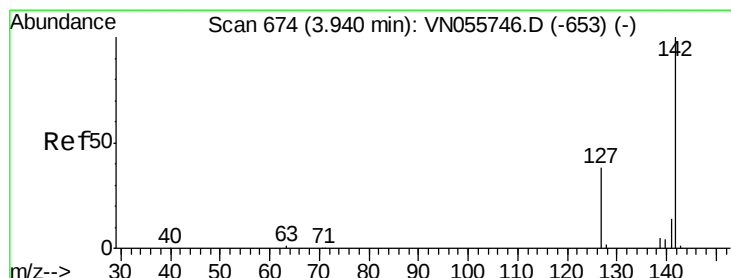
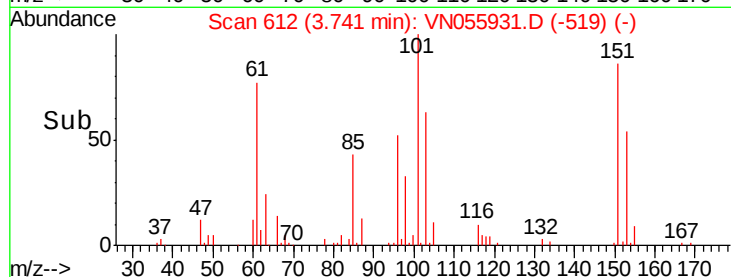
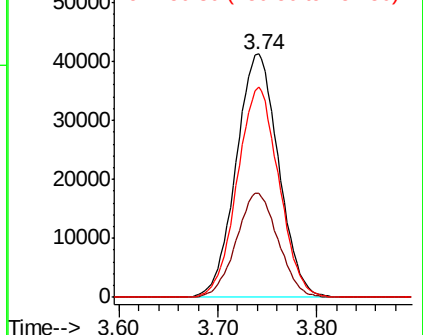
151 84.8 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.689 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

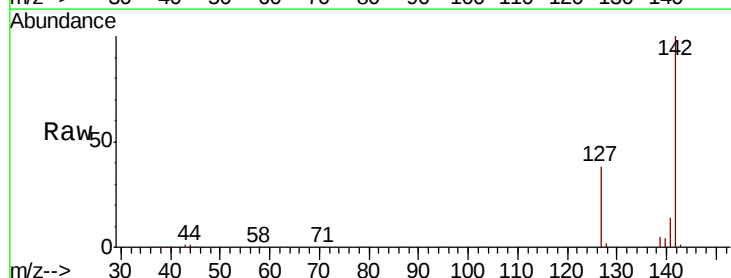
Tgt Ion:142 Resp: 181794

Ion Ratio Lower Upper

142 100

127 38.7 31.0 46.4

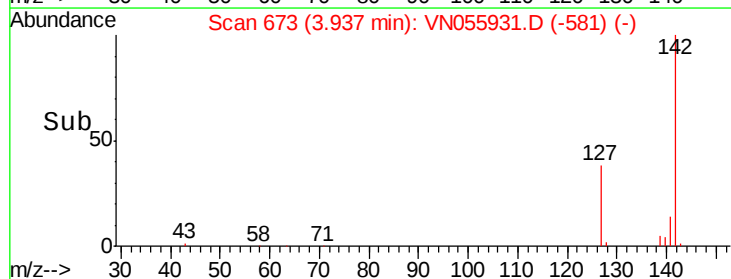
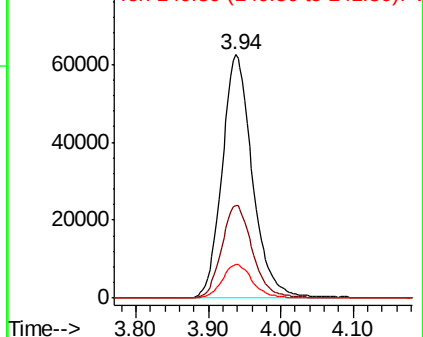
141 13.8 11.4 17.0

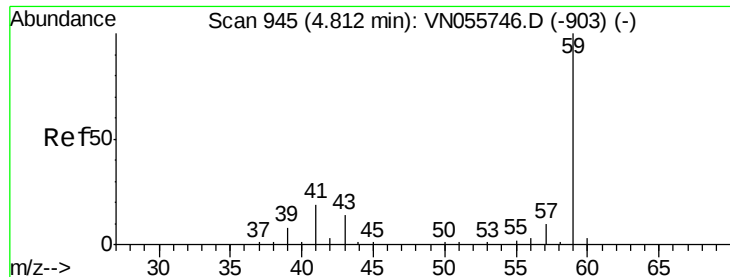


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

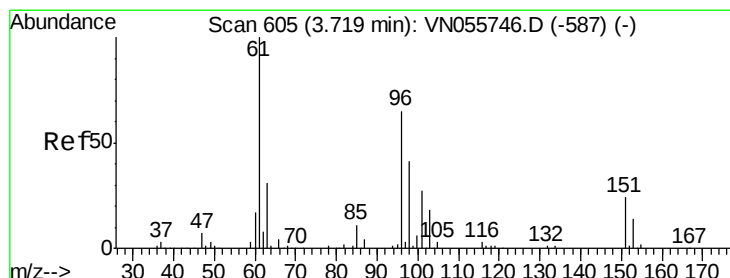
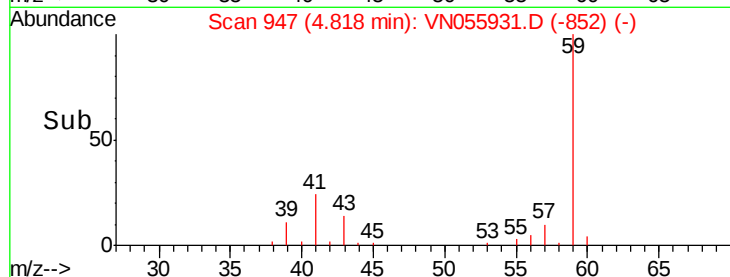
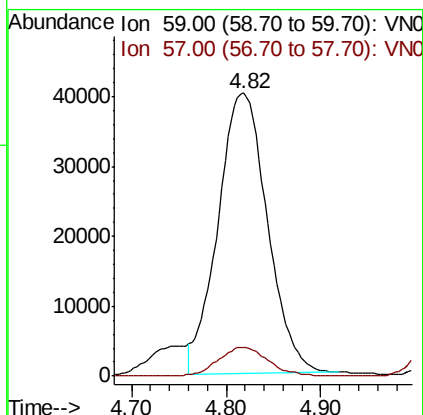
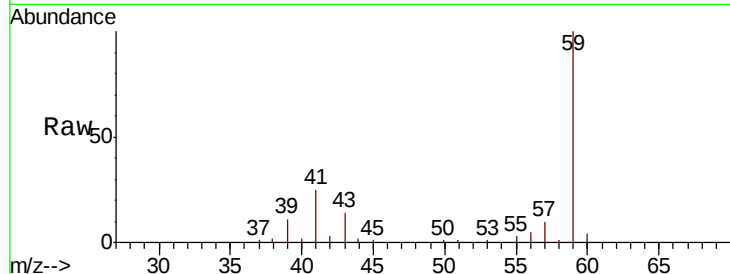




#11
Tert butyl alcohol
Concen: 248.493 ug/l
RT: 4.82 min Scan# 947
Delta R.T. 0.01 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

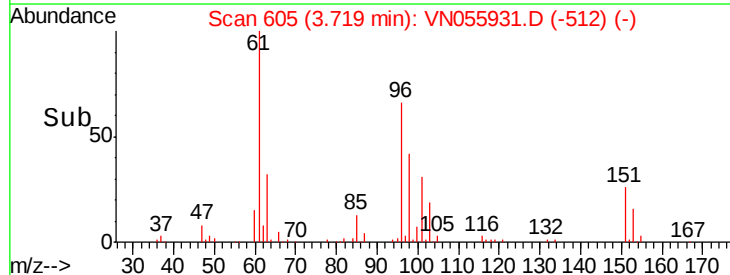
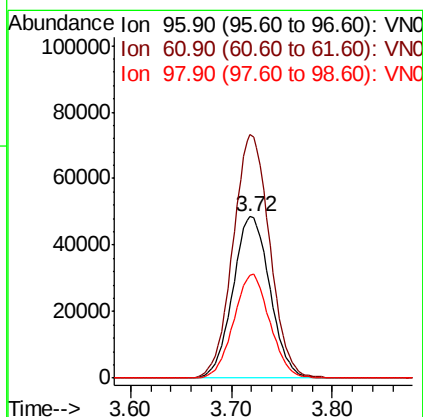
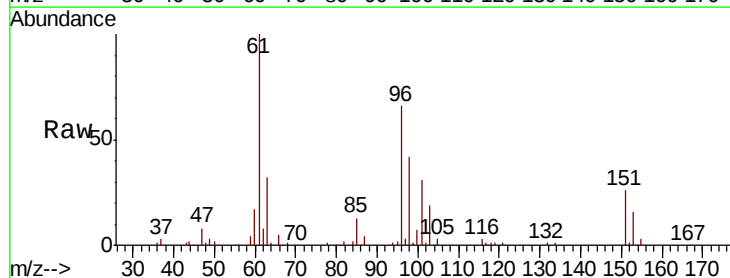
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

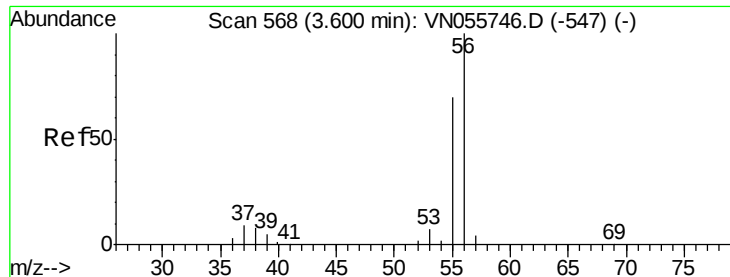
Tot Ion: 59 Resp: 146133
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.6



#12
1,1-Dichloroethene
Concen: 48.869 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 96 Resp: 123869
Ion Ratio Lower Upper
96 100
61 150.9 123.2 184.8
98 63.6 50.4 75.6





#13

Acrolein

Concen: 221.683 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

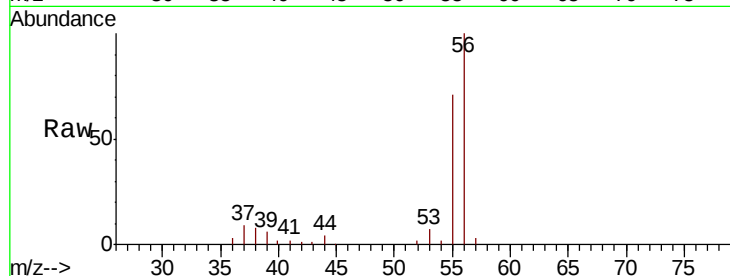
VSTDCCC050EC

Tot Ion: 56 Resp: 93348

Ion Ratio Lower Upper

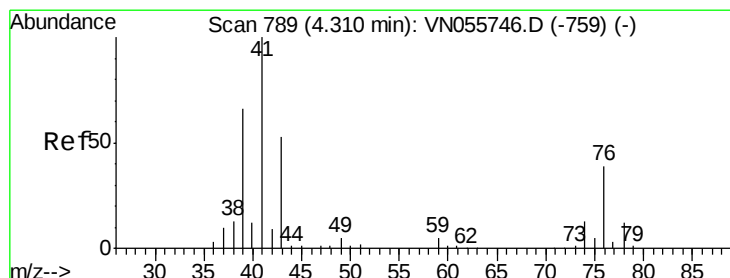
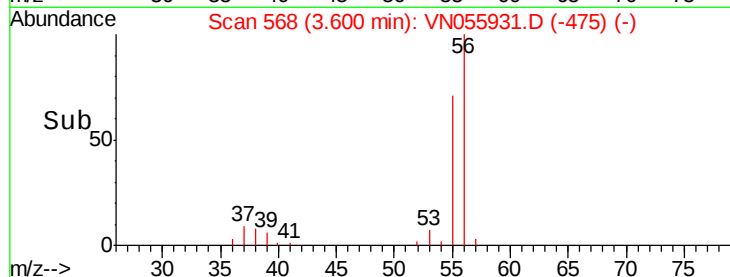
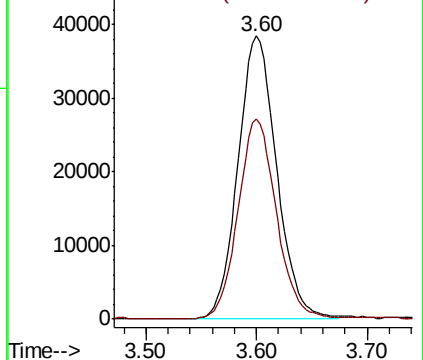
56 100

55 70.2 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.731 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

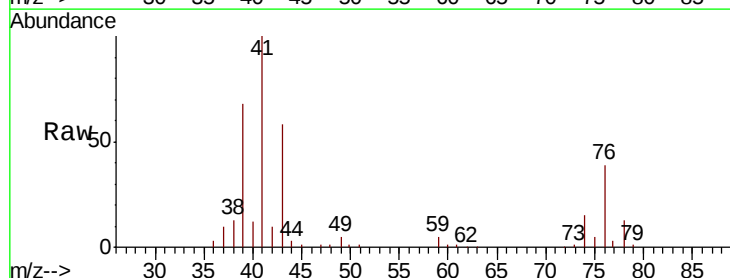
Tgt Ion: 41 Resp: 203056

Ion Ratio Lower Upper

41 100

39 64.2 50.0 75.0

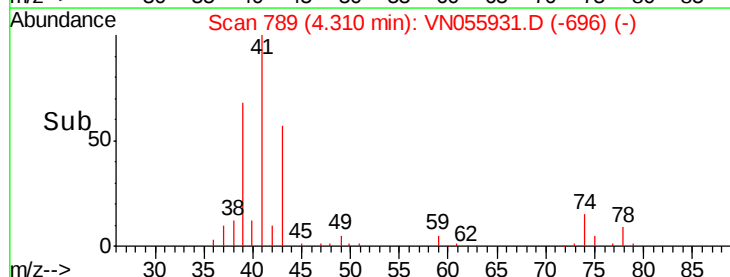
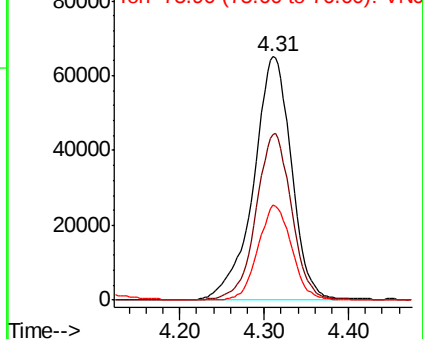
76 34.4 28.2 42.2

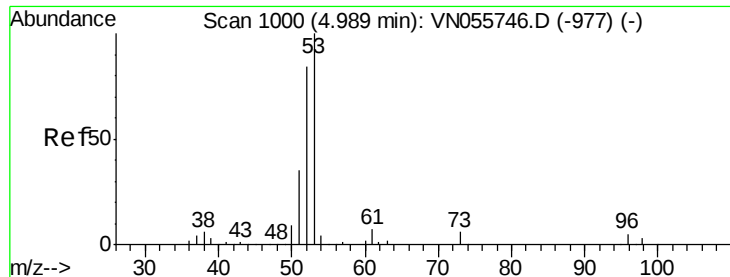


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 273.491 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

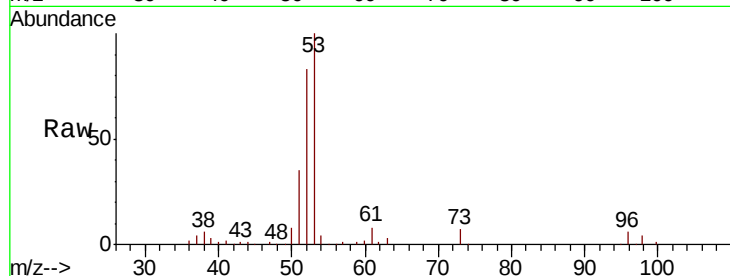
Tot Ion: 53 Resp: 369316

Ion Ratio Lower Upper

53 100

52 82.7 65.8 98.8

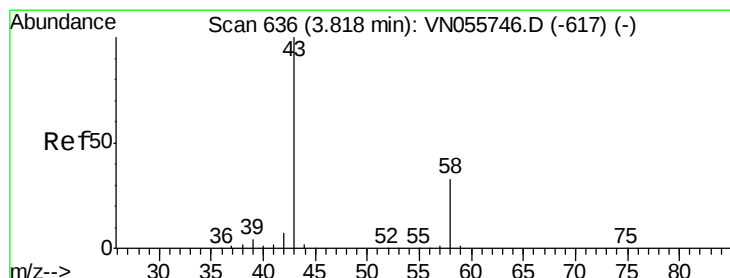
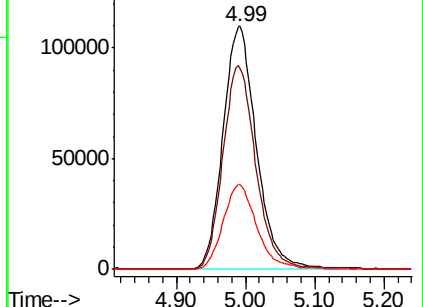
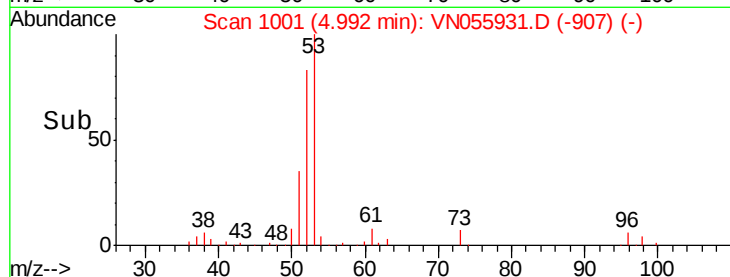
51 35.3 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN055931.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN055931.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN055931.D (-907) (-)



#16

Acetone

Concen: 236.304 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055931.D

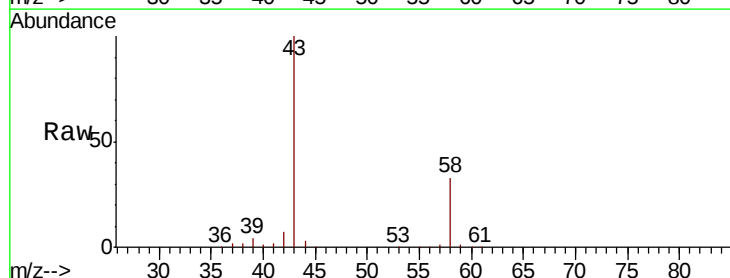
Acq: 31 May 2019 20:09

Tgt Ion: 43 Resp: 319711

Ion Ratio Lower Upper

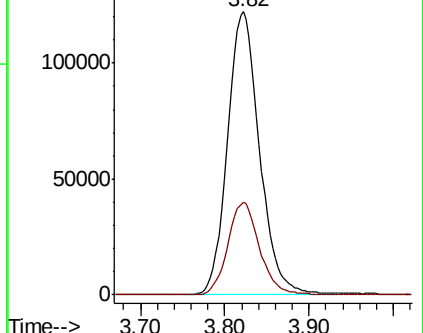
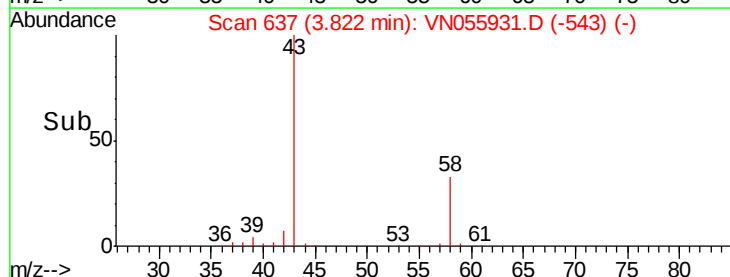
43 100

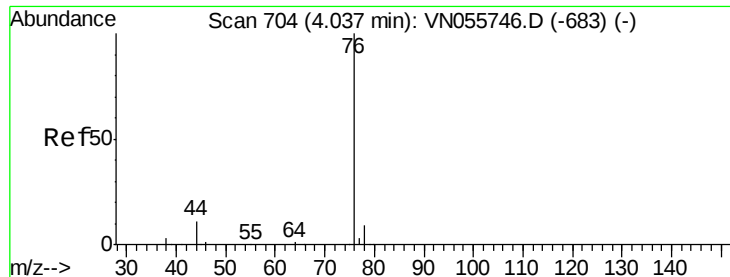
58 32.9 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055931.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055931.D (-543) (-)

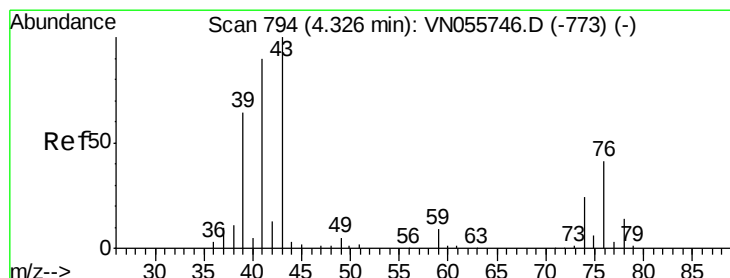
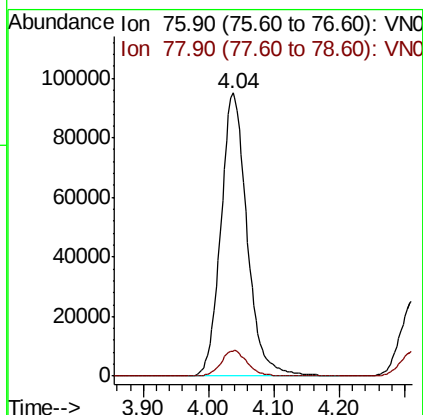
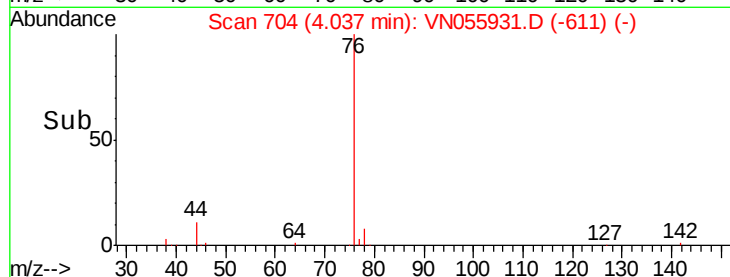
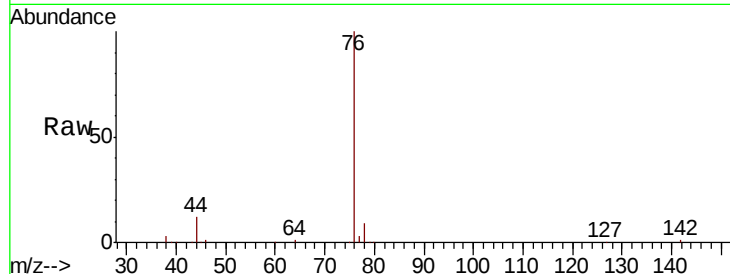




#17
Carbon Disulfide
Concen: 36.758 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

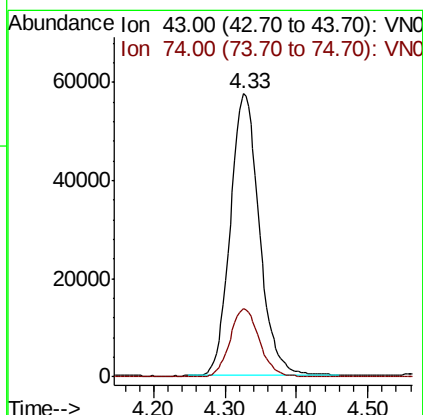
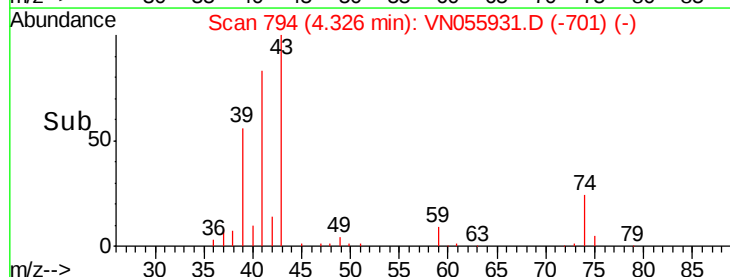
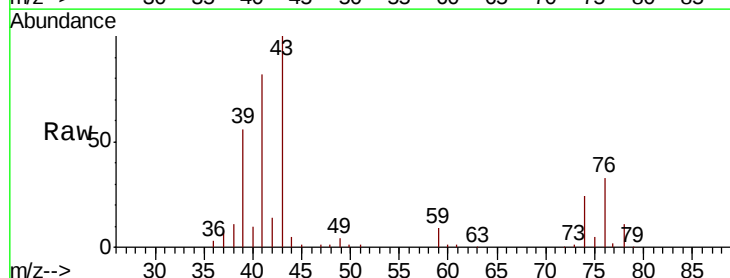
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

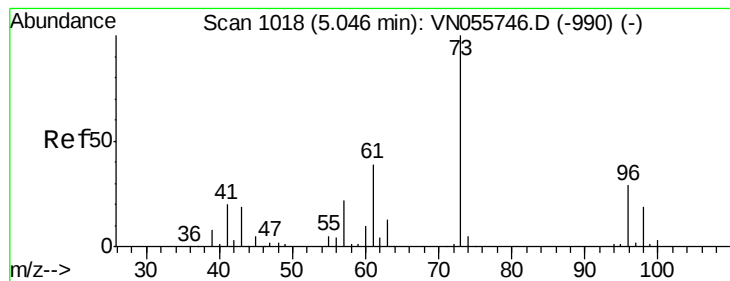
Tot Ion: 76 Resp: 264710
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



#18
Methyl Acetate
Concen: 59.521 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 43 Resp: 163052
Ion Ratio Lower Upper
43 100
74 24.6 19.3 28.9



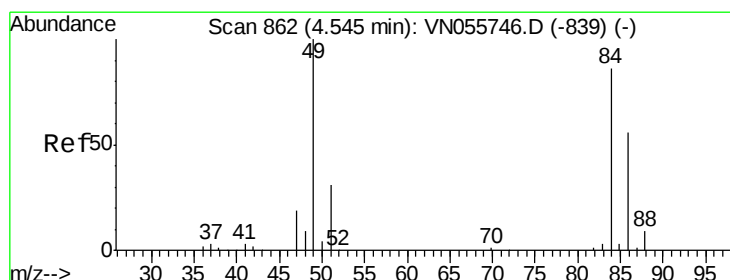
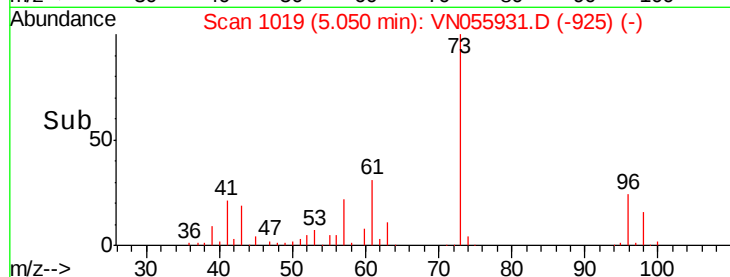
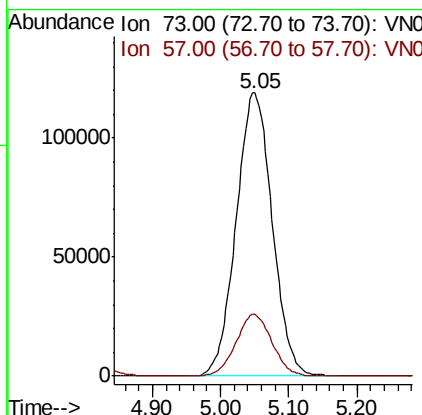
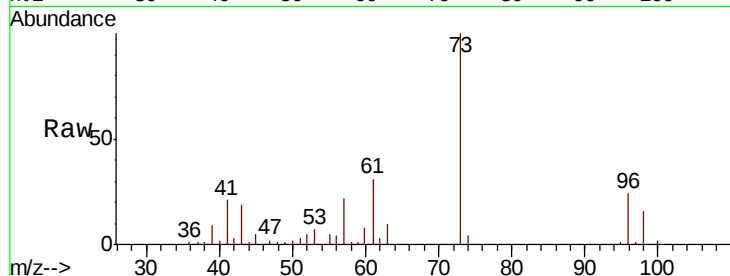


#19

Methyl tert-butyl Ether
 Concen: 51.746 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

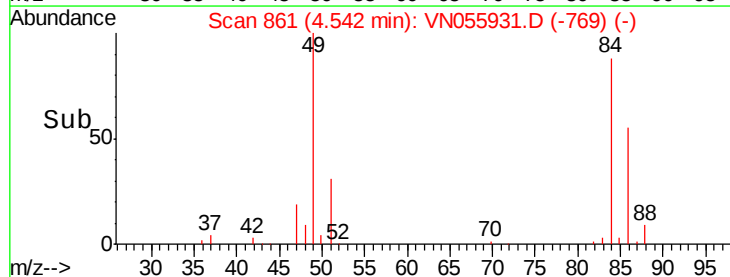
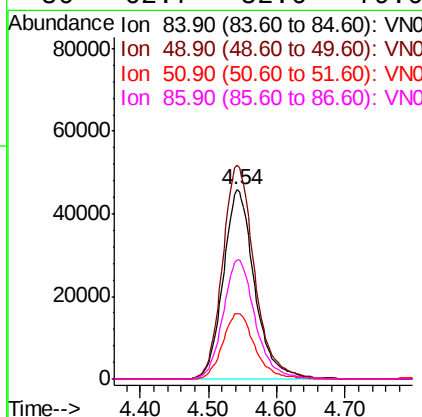
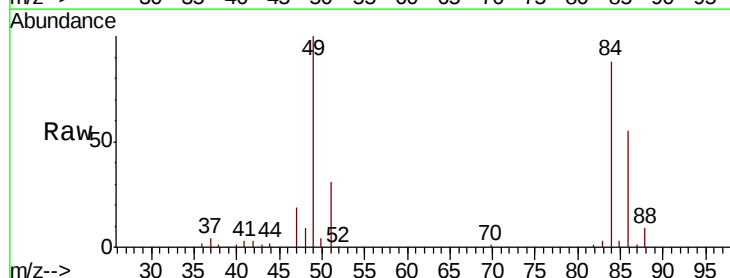
Tot Ion: 73 Resp: 437441
 Ion Ratio Lower Upper
 73 100
 57 21.8 17.8 26.8

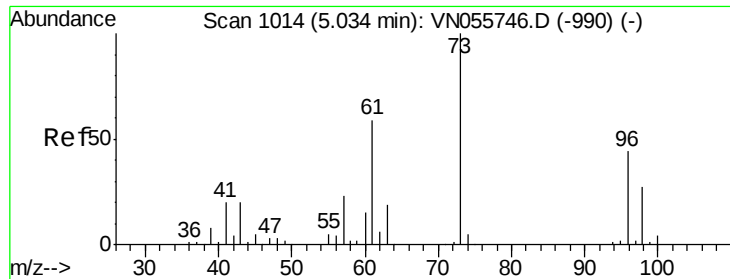


#20

Methylene Chloride
 Concen: 49.948 ug/l
 RT: 4.54 min Scan# 861
 Delta R.T. -0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Tgt Ion: 84 Resp: 146351
 Ion Ratio Lower Upper
 84 100
 49 113.1 93.5 140.3
 51 34.9 28.6 43.0
 86 62.7 52.6 79.0

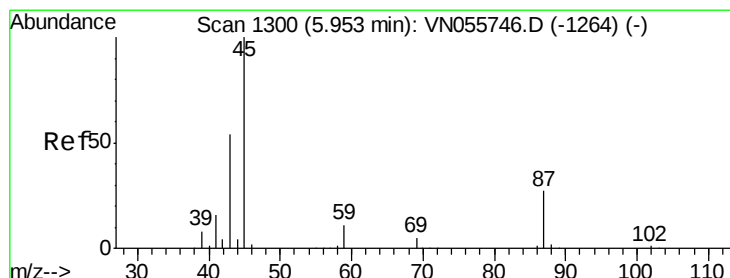
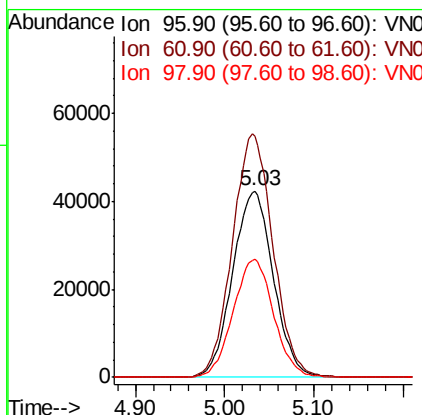
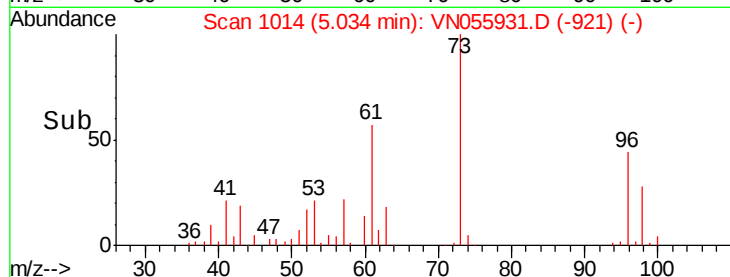
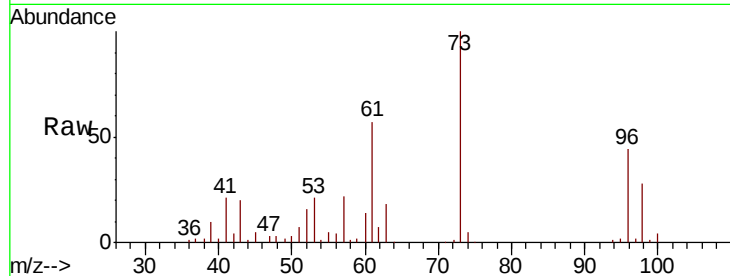




#21
trans-1,2-Dichloroethene
Concen: 49.323 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

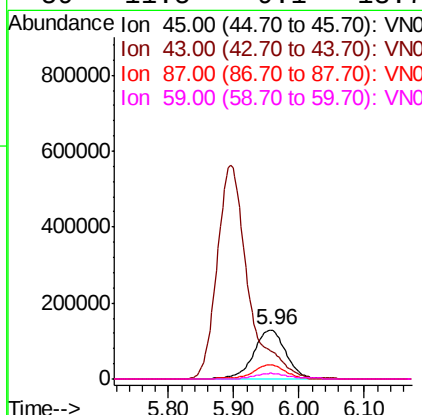
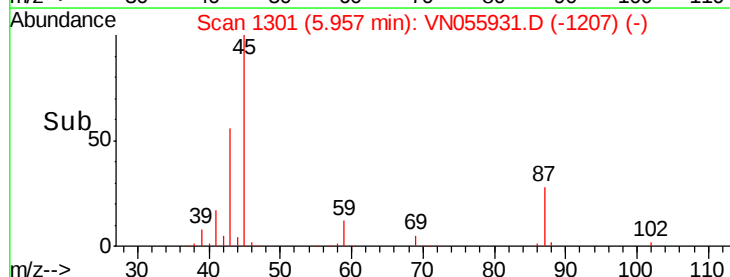
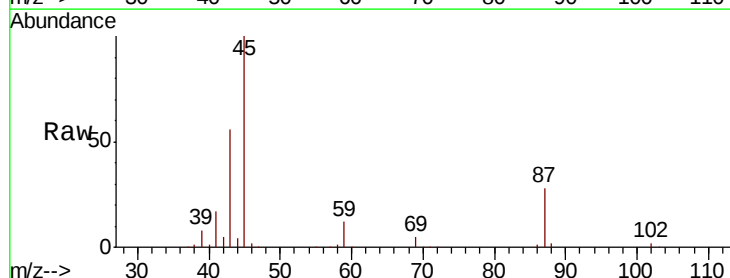
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

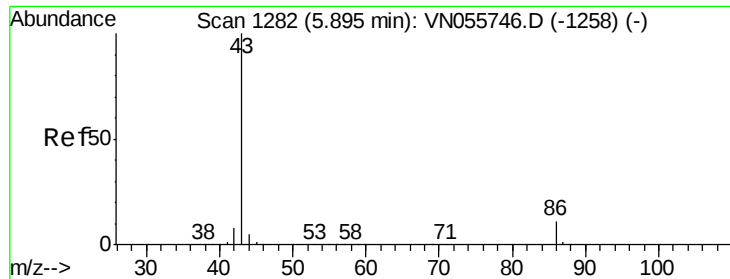
Tot Ion: 96 Resp: 134312
Ion Ratio Lower Upper
96 100
61 129.4 107.8 161.8
98 63.2 49.8 74.8



#22
Diisopropyl ether
Concen: 52.799 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 45 Resp: 446224
Ion Ratio Lower Upper
45 100
43 55.4 45.0 67.6
87 28.0 22.2 33.4
59 11.5 9.1 13.7





#23

Vinyl Acetate

Concen: 256.080 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

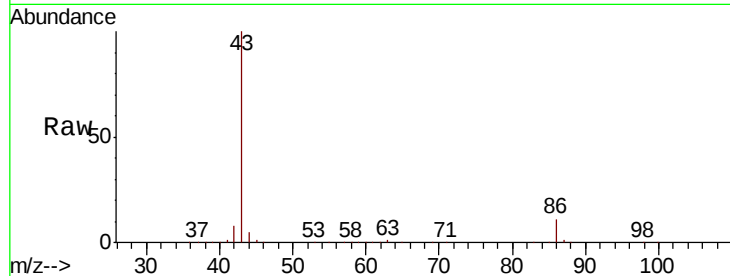
VSTDCCC050EC

Tot Ion: 43 Resp: 1855568

Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

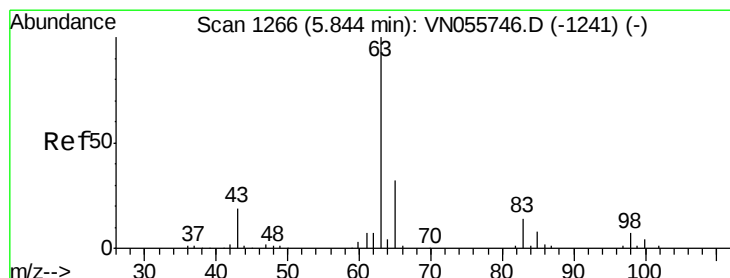
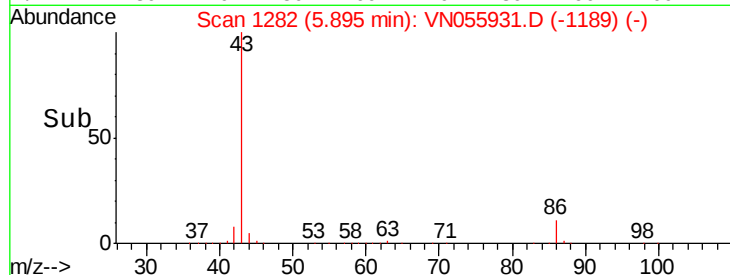
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 50.546 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

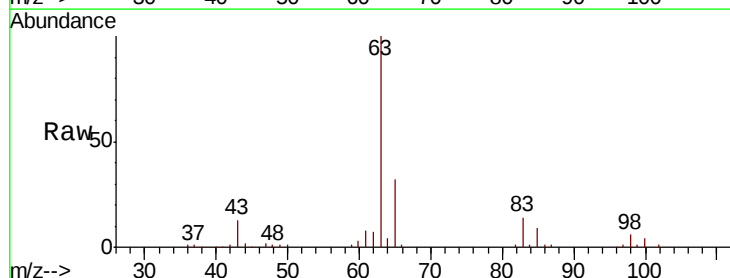
Tgt Ion: 63 Resp: 248719

Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.1

100 4.4 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

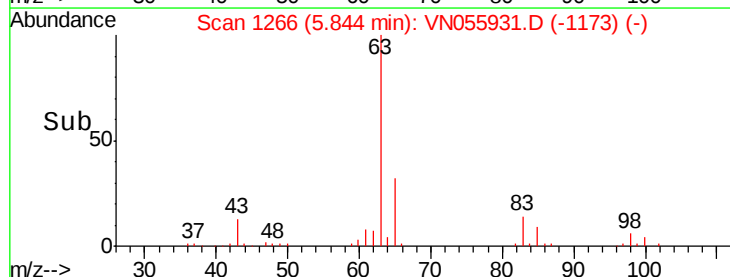
60000

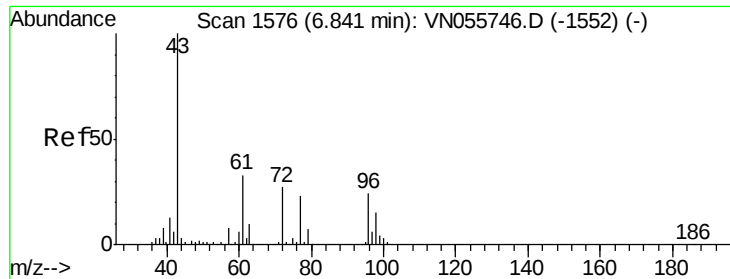
40000

20000

0

Time--> 5.70 5.80 5.90 6.00

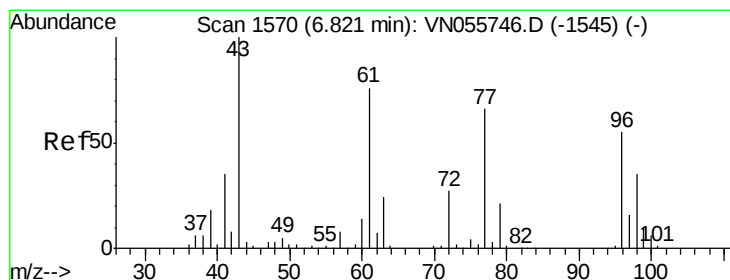
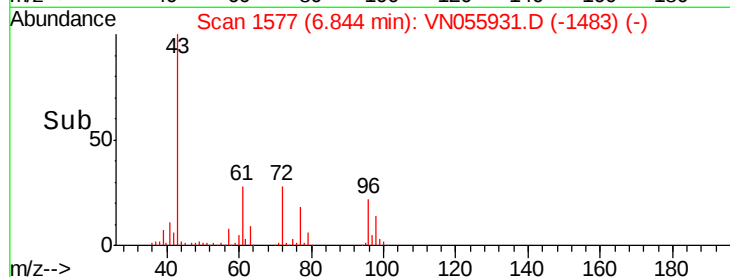
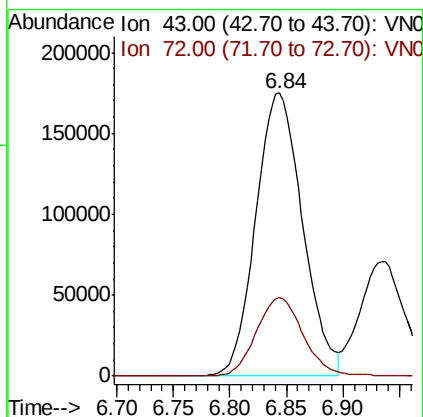
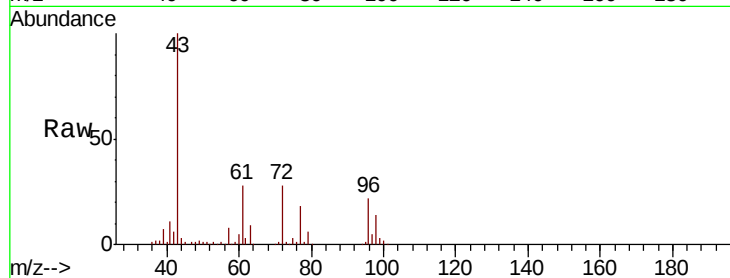




#25
2-Butanone
Concen: 265.210 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

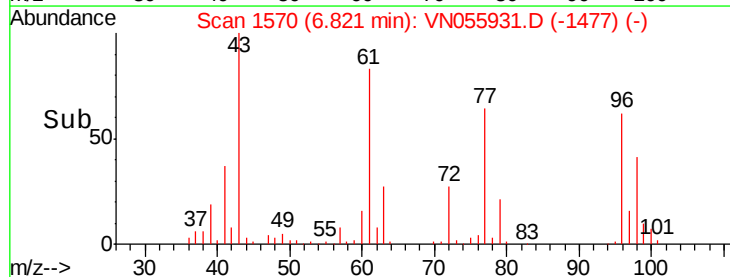
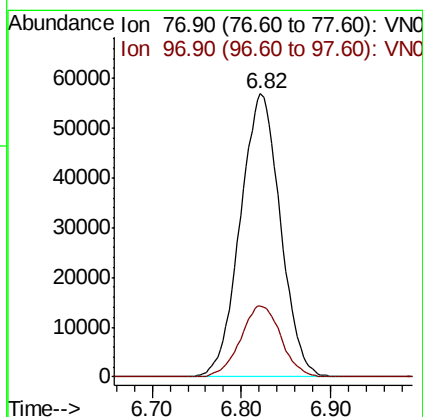
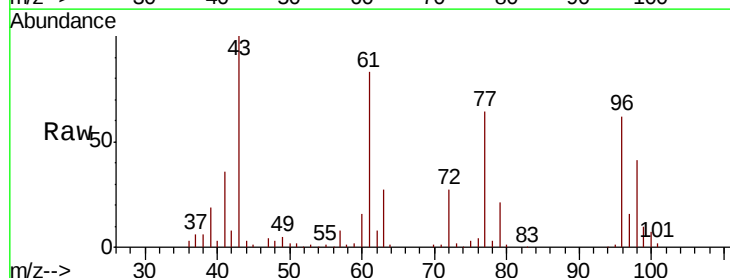
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

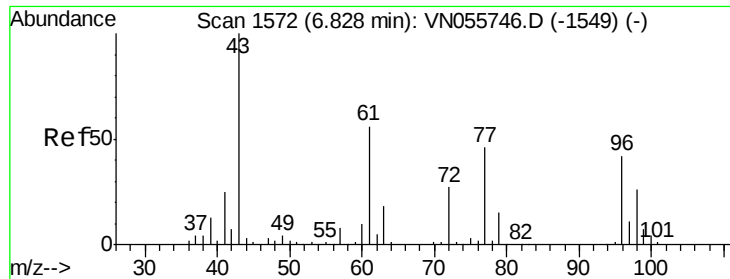
Tot Ion: 43 Resp: 501120
Ion Ratio Lower Upper
43 100
72 27.8 21.9 32.9



#26
2,2-Dichloropropane
Concen: 41.863 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 77 Resp: 178275
Ion Ratio Lower Upper
77 100
97 25.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 52.397 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

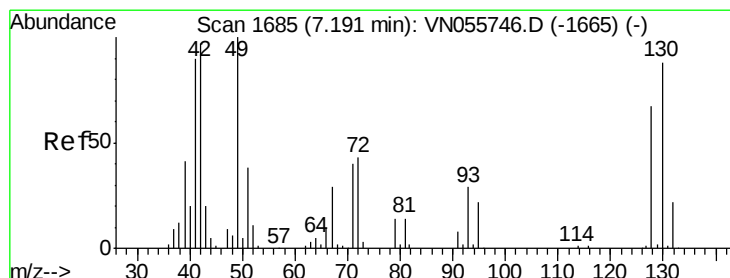
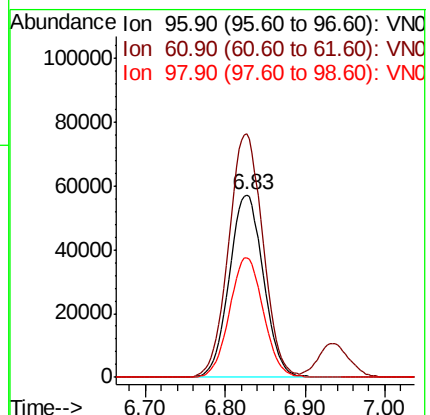
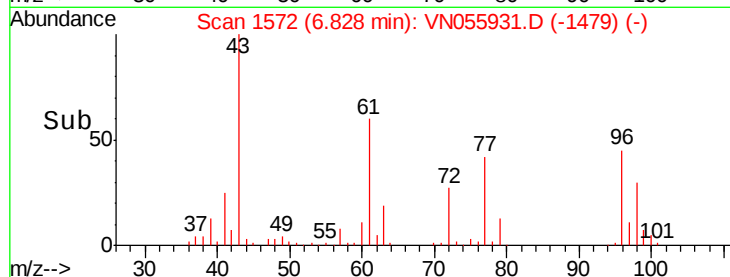
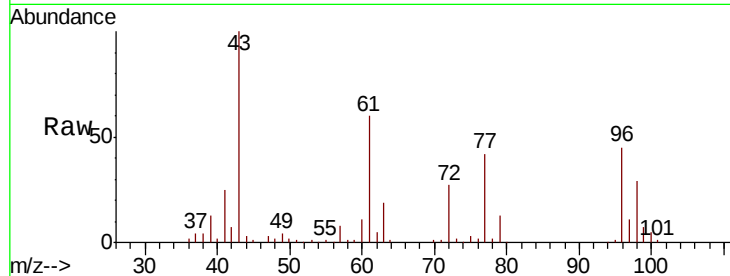
Tot Ion: 96 Resp: 166464

Ion Ratio Lower Upper

96 100

61 134.0 0.0 275.8

98 64.8 0.0 128.4



#28

Bromochloromethane

Concen: 51.716 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

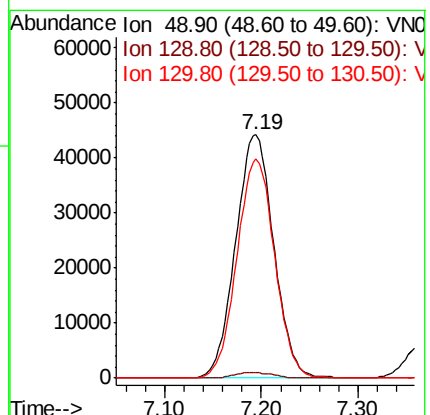
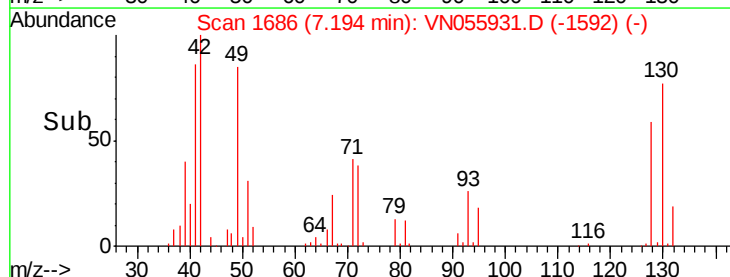
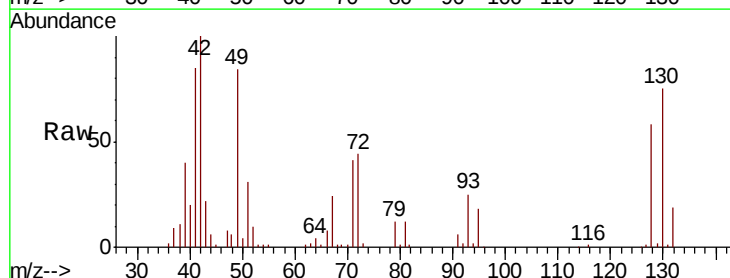
Tgt Ion: 49 Resp: 121160

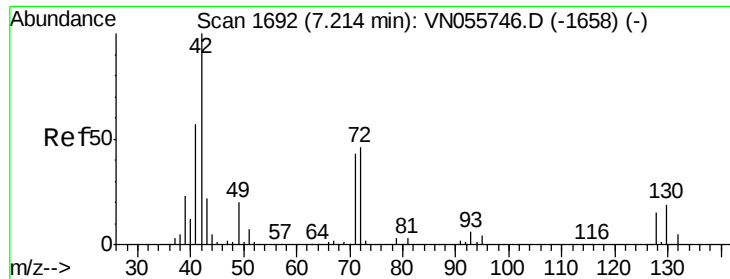
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 89.1 71.2 106.8

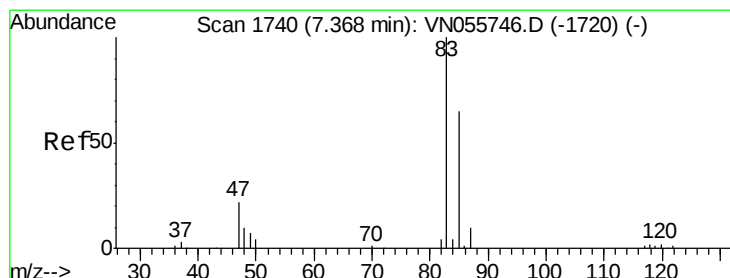
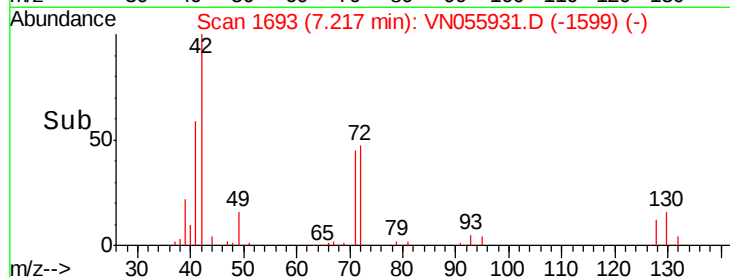
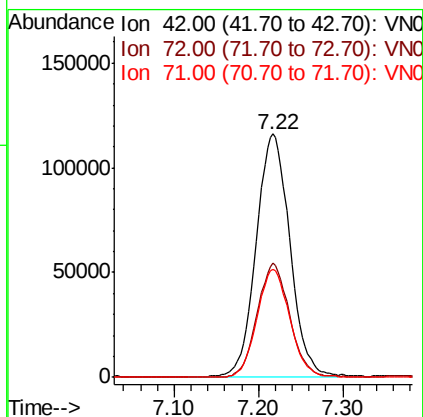
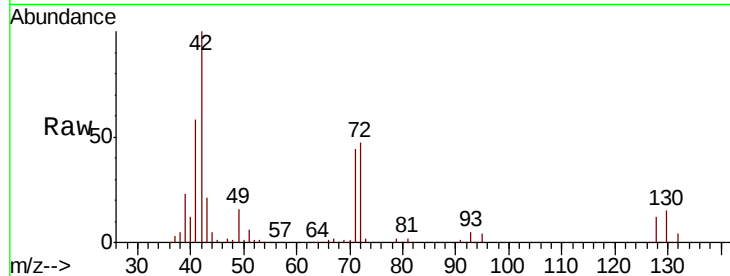




#29
Tetrahydrofuran
Concen: 270.299 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

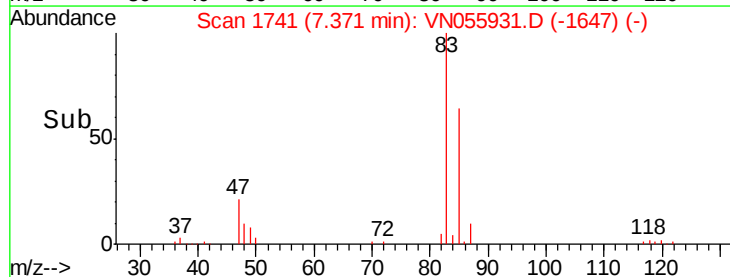
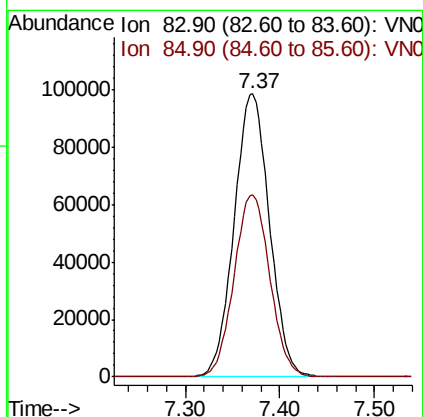
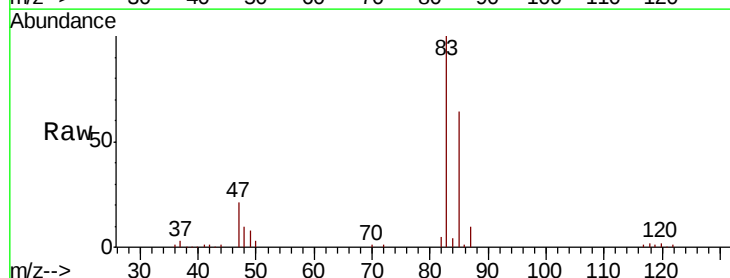
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

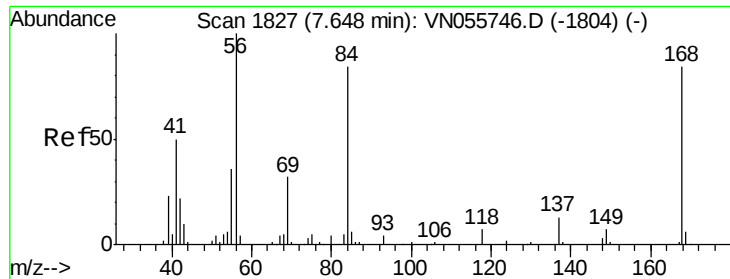
Tot Ion: 42 Resp: 323434
Ion Ratio Lower Upper
42 100
72 45.3 35.9 53.9
71 43.2 34.0 51.0



#30
Chloroform
Concen: 52.195 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 83 Resp: 256136
Ion Ratio Lower Upper
83 100
85 64.3 51.8 77.8

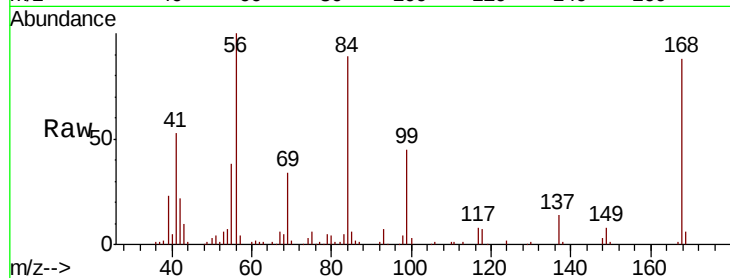




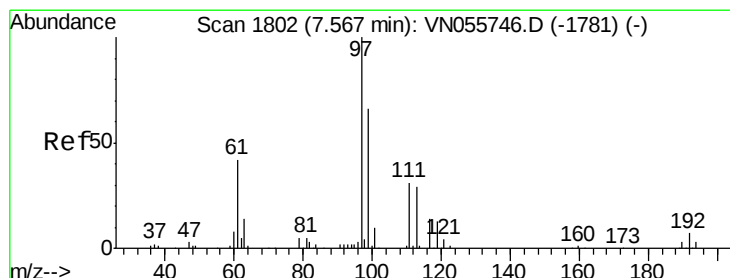
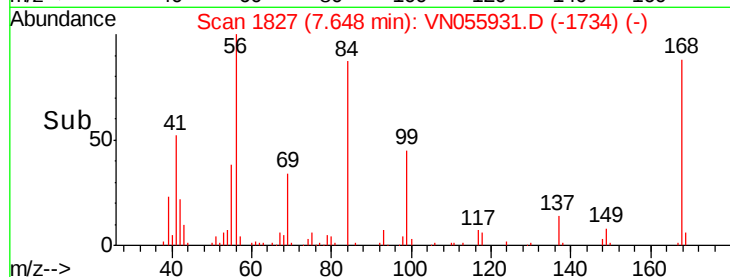
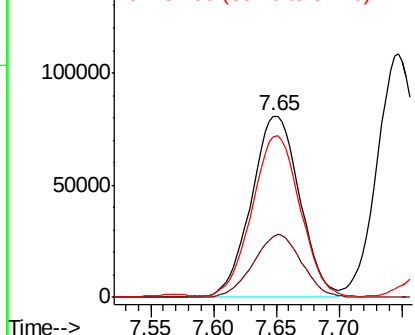
#31
Cyclohexane
Concen: 47.048 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 217350
Ion Ratio Lower Upper
56 100
69 33.8 25.6 38.4
84 87.9 67.4 101.0

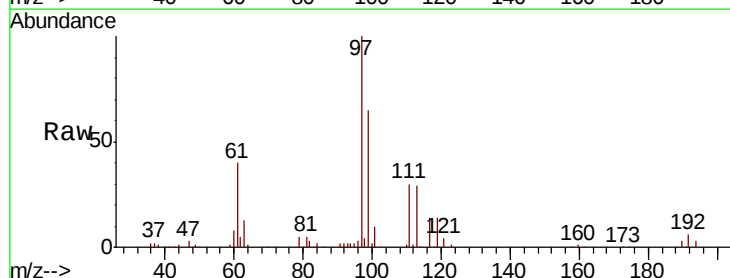


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

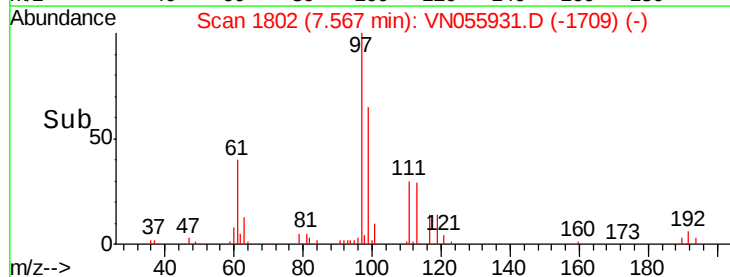
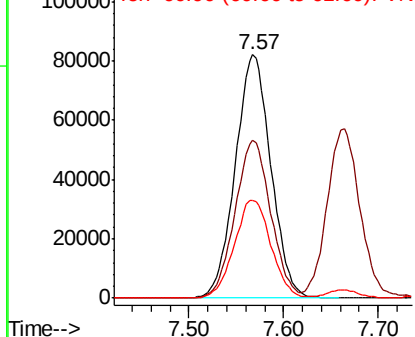


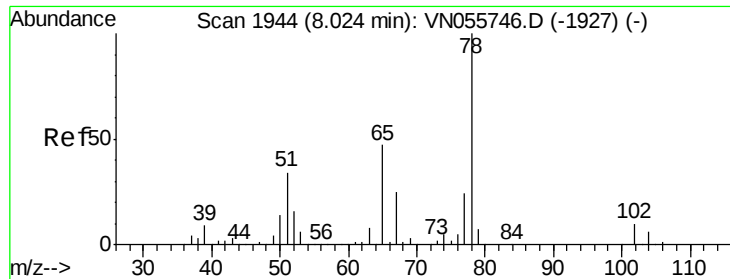
#32
1,1,1-Trichloroethane
Concen: 49.073 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 97 Resp: 214893
Ion Ratio Lower Upper
97 100
99 65.0 52.0 78.0
61 41.4 32.9 49.3



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

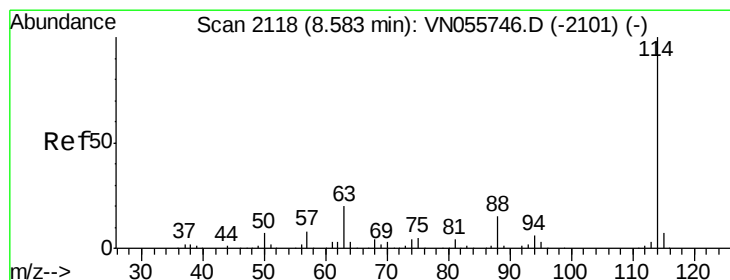
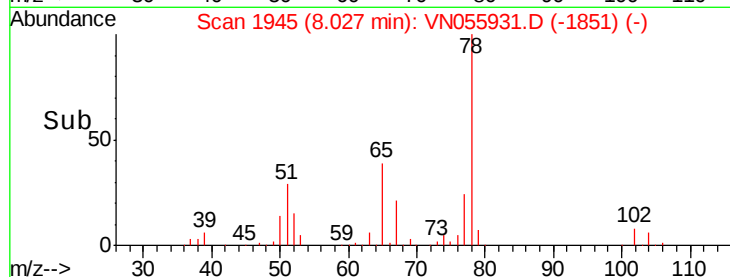
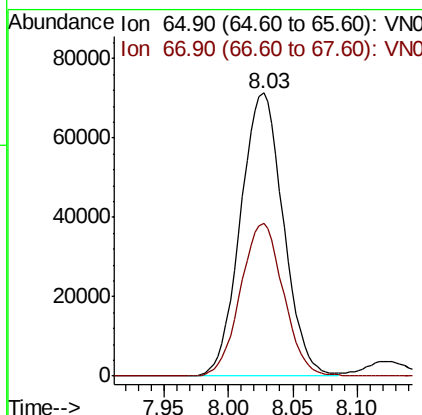
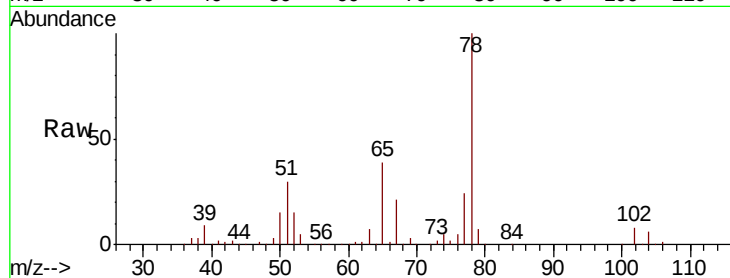




#33
 1,2-Dichloroethane-d4
 Concen: 53.699 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

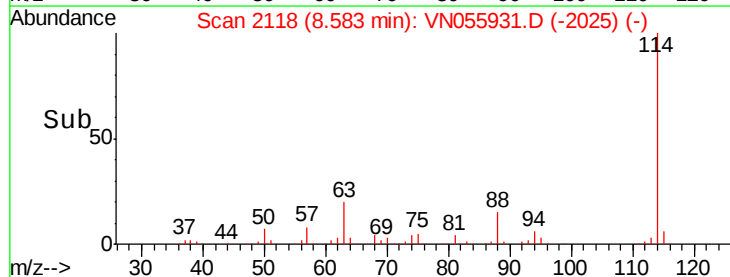
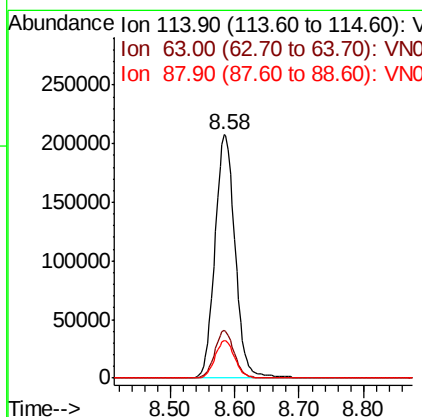
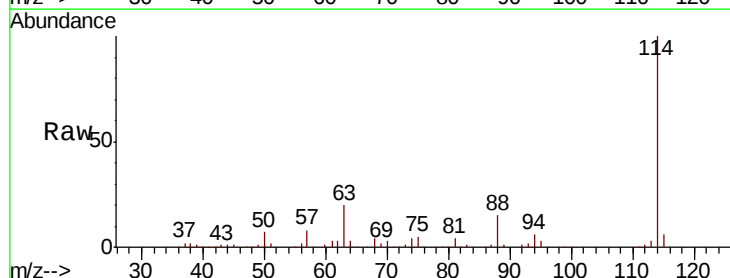
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

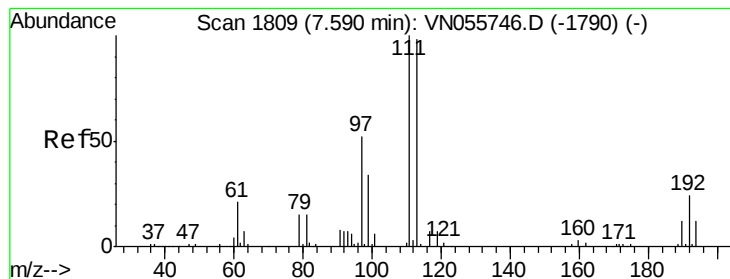
Tot Ion: 65 Resp: 165279
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Tgt Ion: 114 Resp: 450049
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.2
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 51.063 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

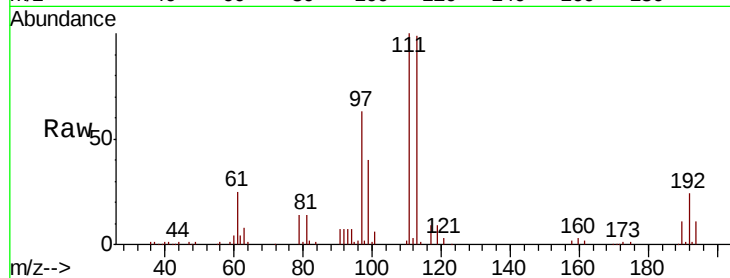
Tot Ion:113 Resp: 145292

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

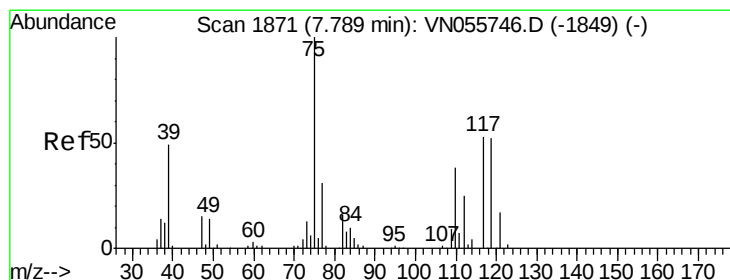
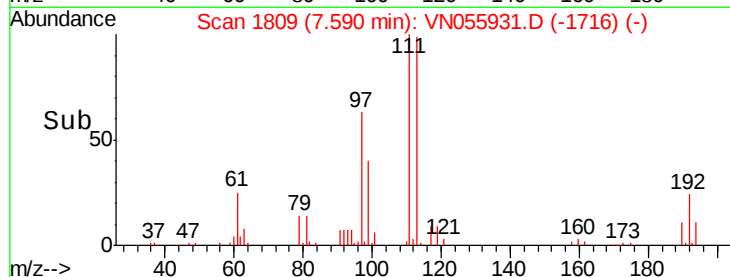
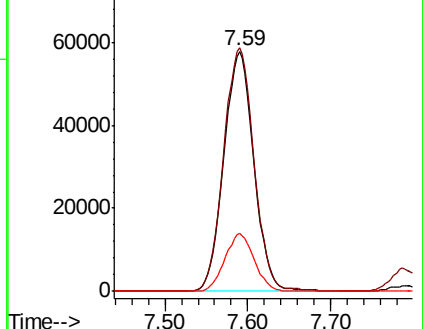
192 23.4 19.5 29.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.429 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

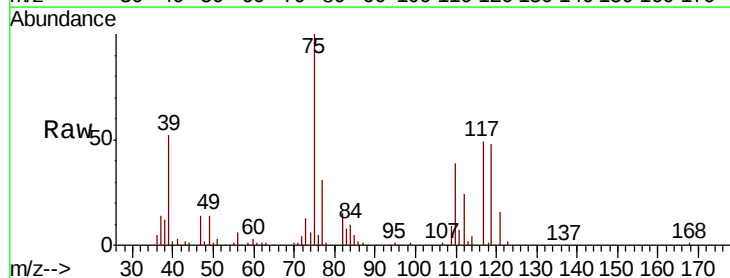
Tgt Ion: 75 Resp: 186014

Ion Ratio Lower Upper

75 100

110 38.0 19.0 57.0

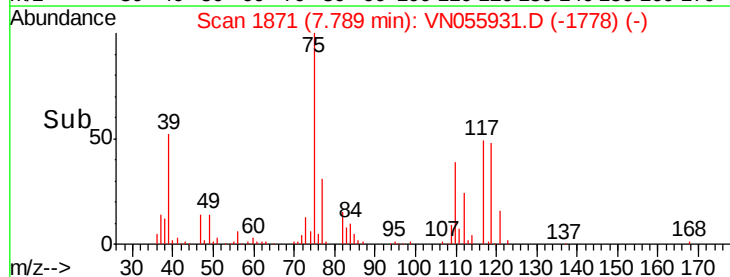
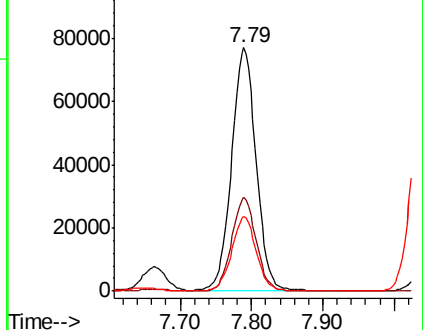
77 30.5 25.1 37.7

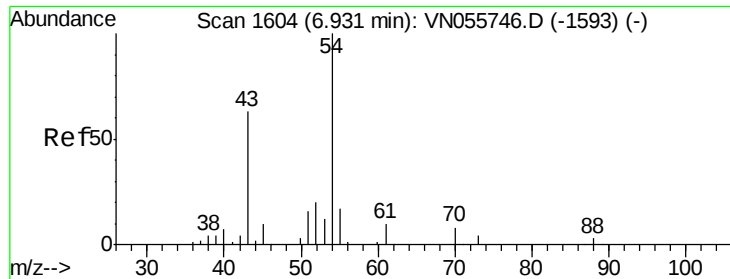


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

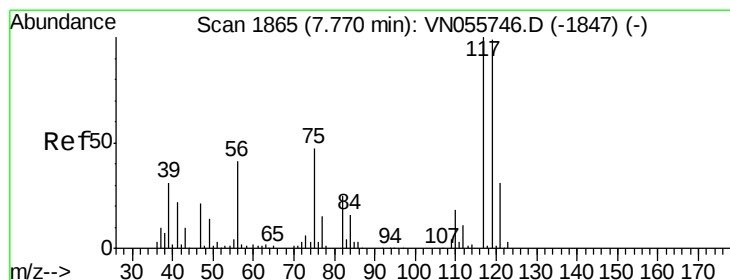
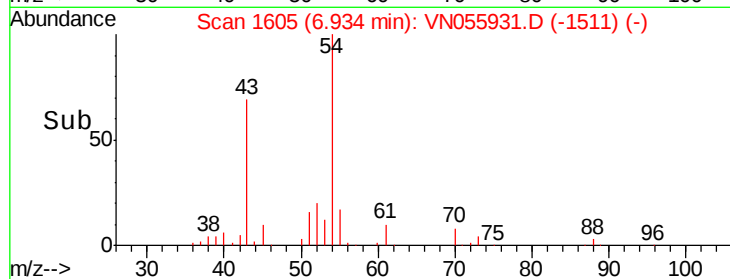
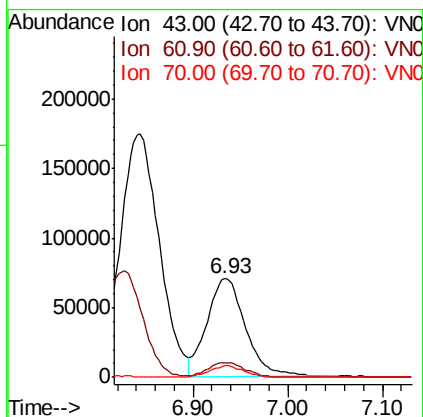
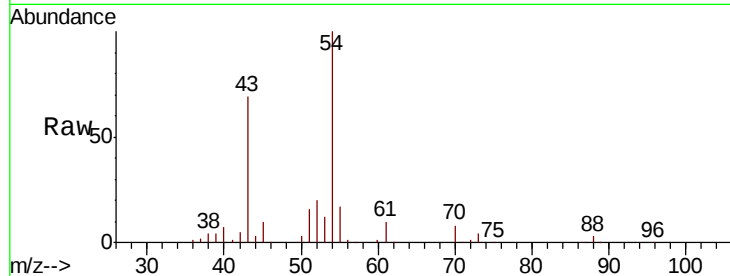




#37
Ethyl Acetate
Concen: 52.812 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

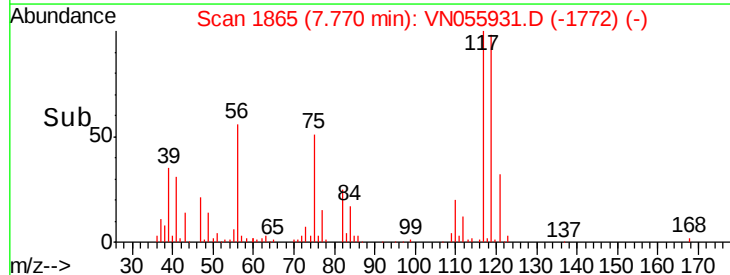
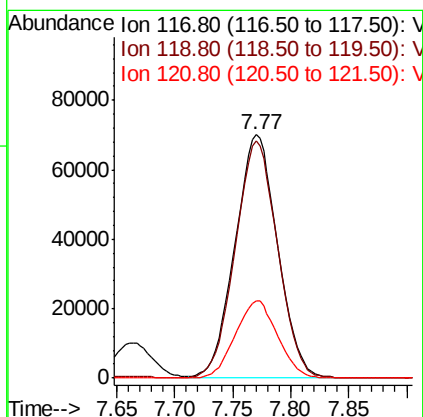
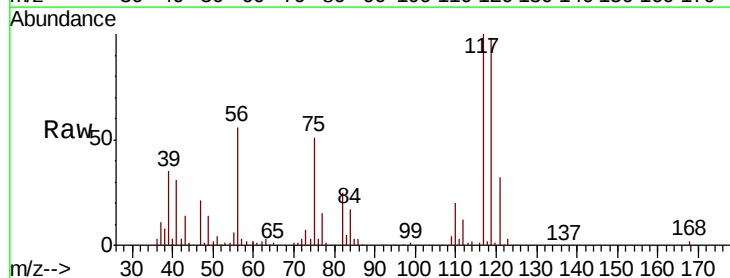
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

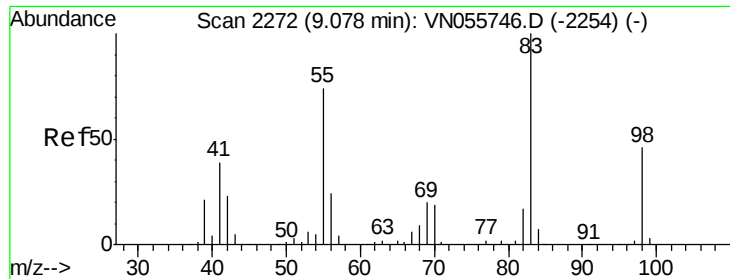
Tot Ion: 43 Resp: 200188
Ion Ratio Lower Upper
43 100
61 14.3 12.2 18.2
70 10.7 8.9 13.3



#38
Carbon Tetrachloride
Concen: 43.452 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 117 Resp: 177514
Ion Ratio Lower Upper
117 100
119 97.6 79.0 118.6
121 32.1 24.7 37.1

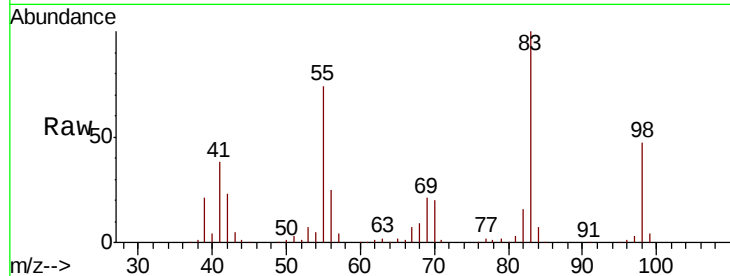




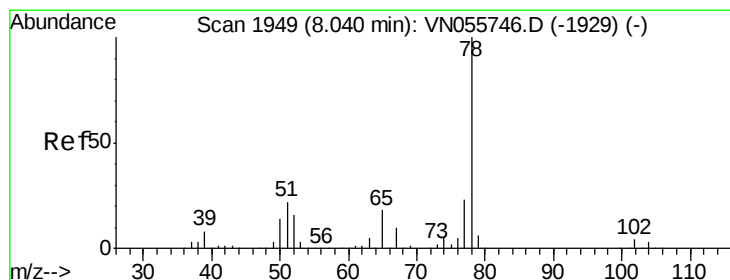
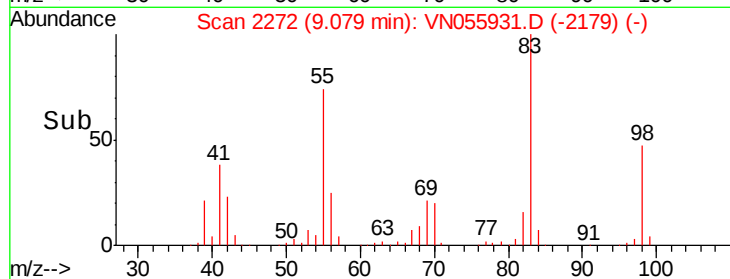
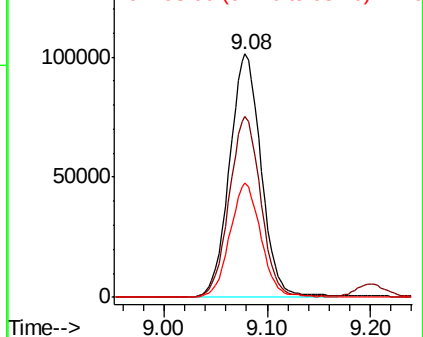
#39
Methvlcvclohexane
Concen: 44.616 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 216684
Ion Ratio Lower Upper
83 100
55 74.1 59.3 88.9
98 46.9 36.6 54.8

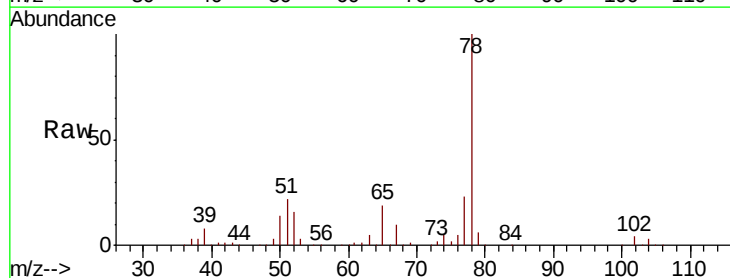


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

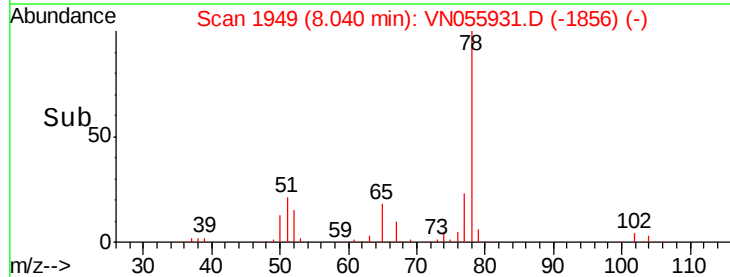
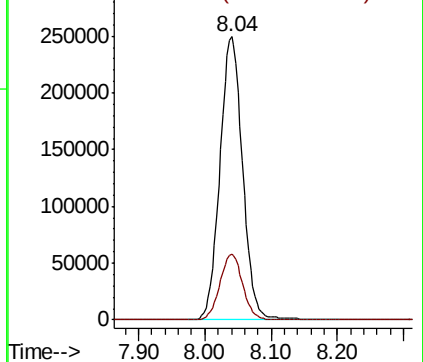


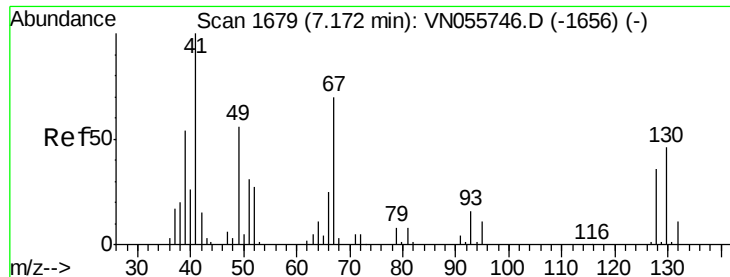
#40
Benzene
Concen: 50.091 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 78 Resp: 592082
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

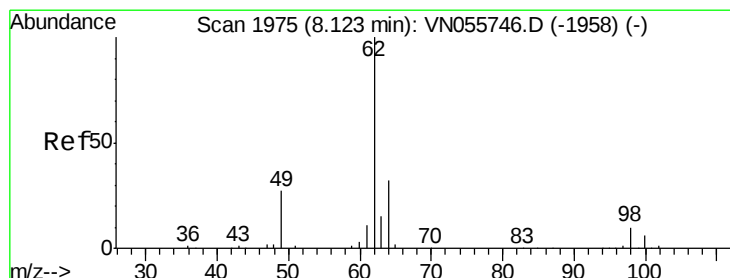
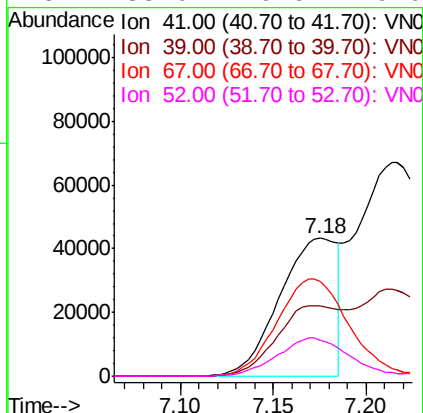
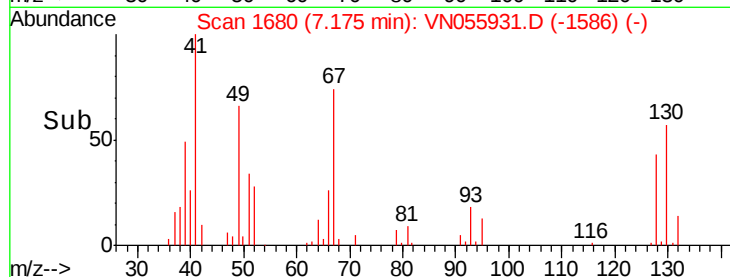
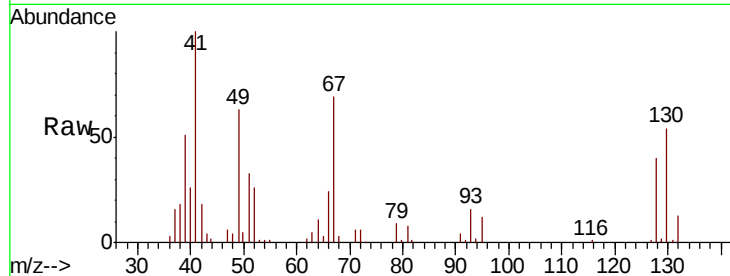




#41
Methacrylonitrile
Concen: 48.895 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

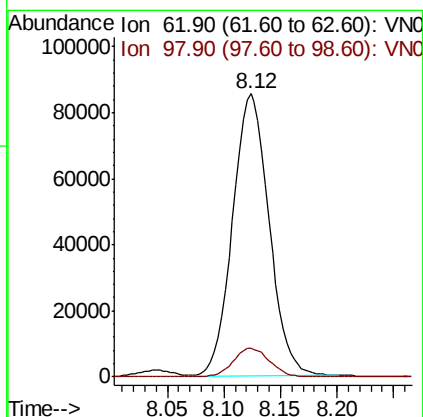
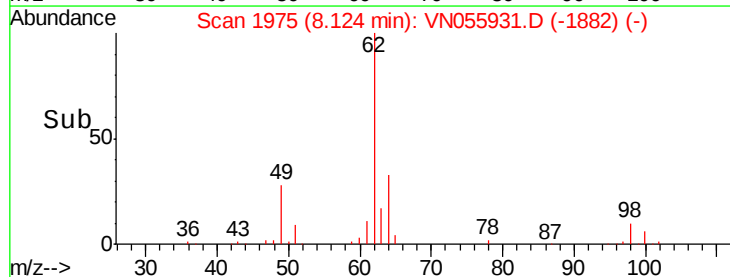
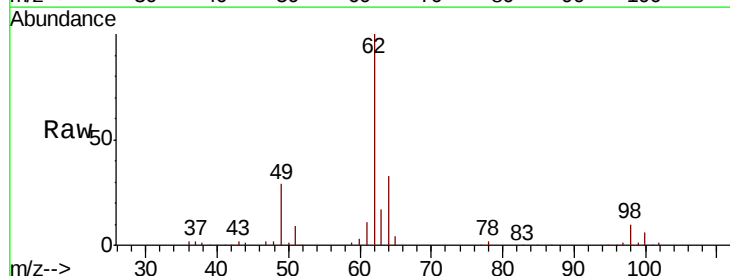
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

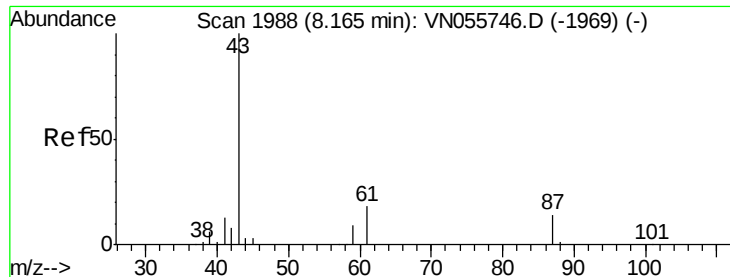
Tot Ion: 41 Resp: 93636
Ion Ratio Lower Upper
41 100
39 56.8 45.6 68.4
67 88.5 67.7 101.5
52 35.0 26.6 40.0



#42
1,2-Dichloroethane
Concen: 49.691 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 62 Resp: 191925
Ion Ratio Lower Upper
62 100
98 10.1 0.0 20.2





#43

Isopropyl Acetate

Concen: 50.068 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

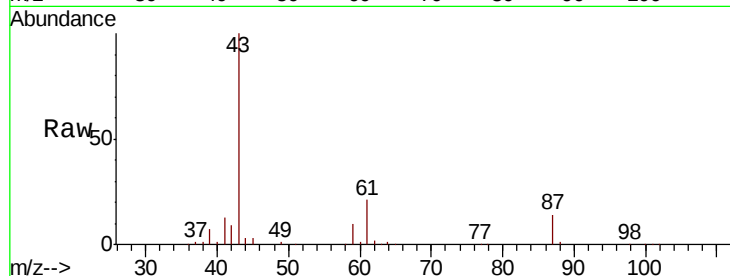
Tot Ion: 43 Resp: 318878

Ion Ratio Lower Upper

43 100

61 21.3 22.2 33.4#

87 13.9 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055931.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN055931.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN055931.D (-2103) (-)

8.17

150000

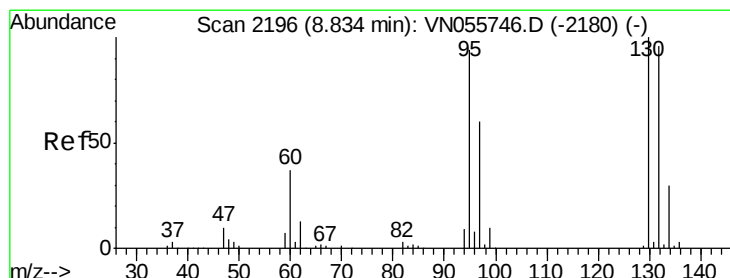
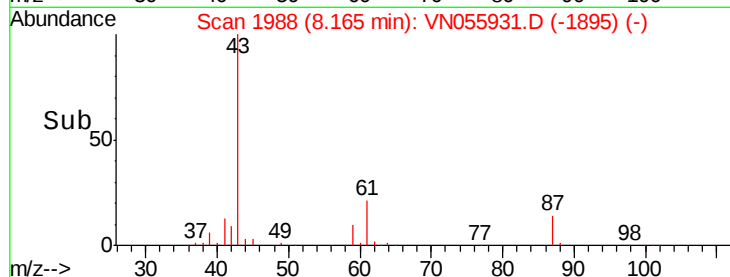
100000

50000

0

8.10 8.20 8.30

Time-->



#44

Trichloroethene

Concen: 49.503 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055931.D

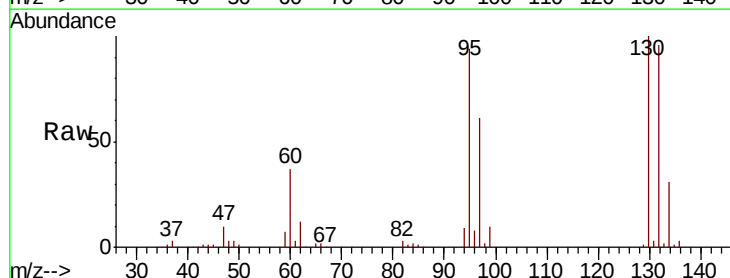
Acq: 31 May 2019 20:09

Tgt Ion: 130 Resp: 163125

Ion Ratio Lower Upper

130 100

95 93.8 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055931.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055931.D (-2103) (-)

8.83

80000

60000

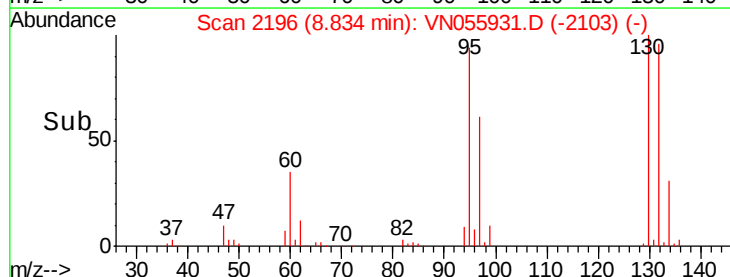
40000

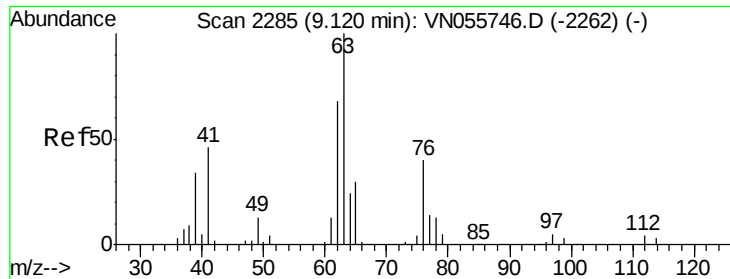
20000

0

8.80 8.90

Time-->

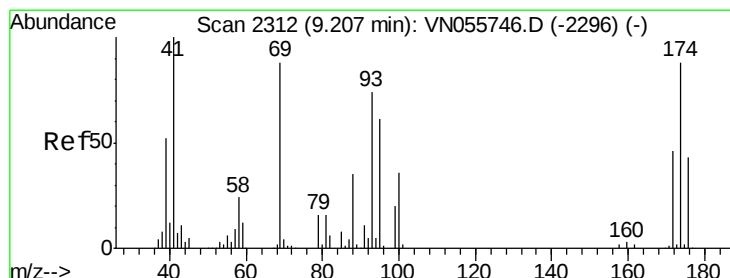
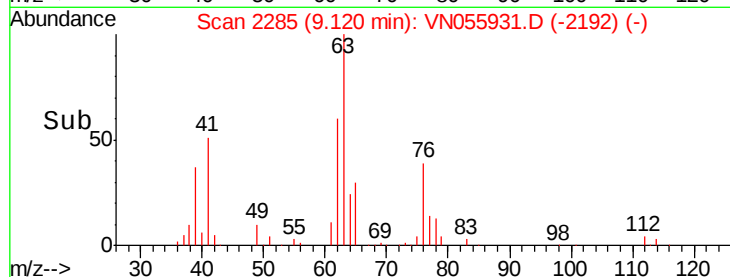
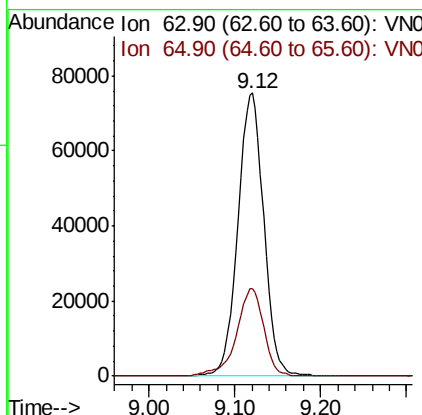
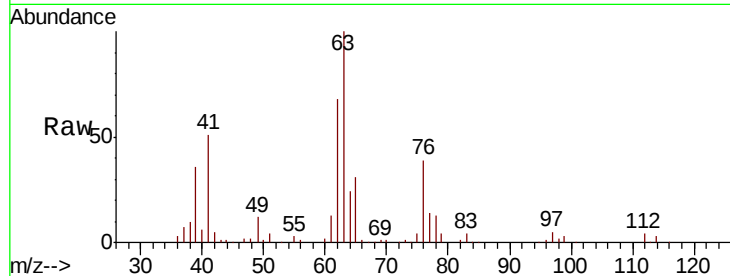




#45
 1,2-Dichloropropane
 Concen: 51.170 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

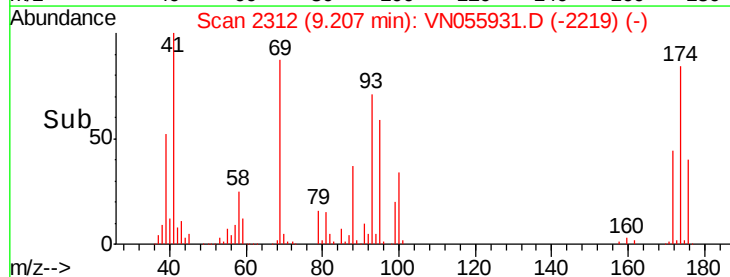
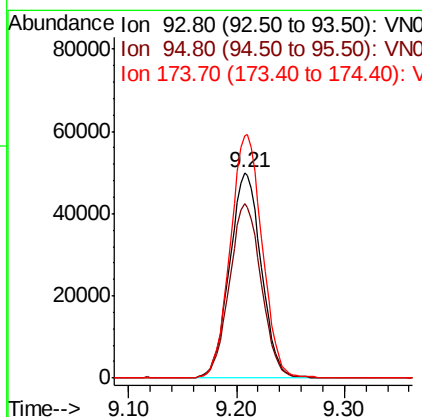
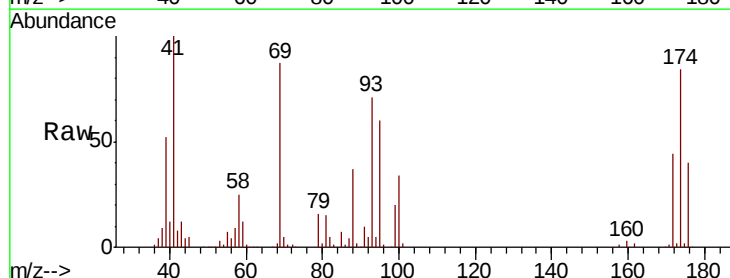
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 157586
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 36.8



#46
 Dibromomethane
 Concen: 50.630 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Tgt Ion: 93 Resp: 102256
 Ion Ratio Lower Upper
 93 100
 95 85.2 66.7 100.1
 174 119.4 96.4 144.6





#47

Bromodichloromethane

Concen: 46.862 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

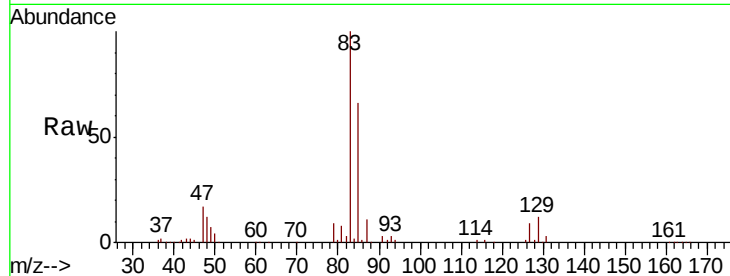
Tot Ion: 83 Resp: 194074

Ion Ratio Lower Upper

83 100

85 65.6 52.2 78.2

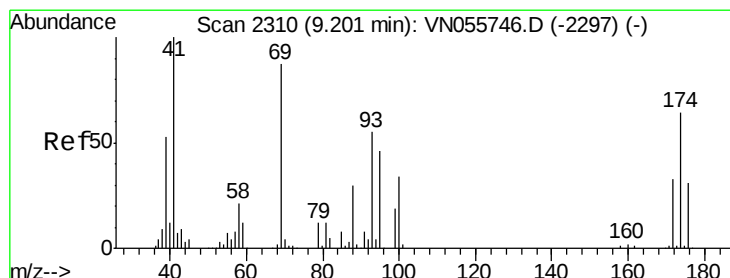
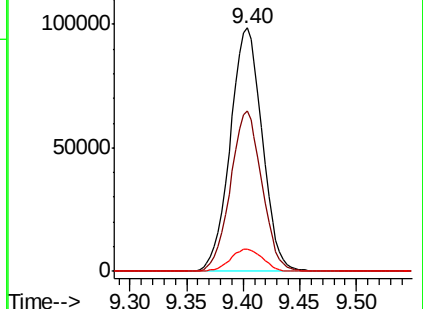
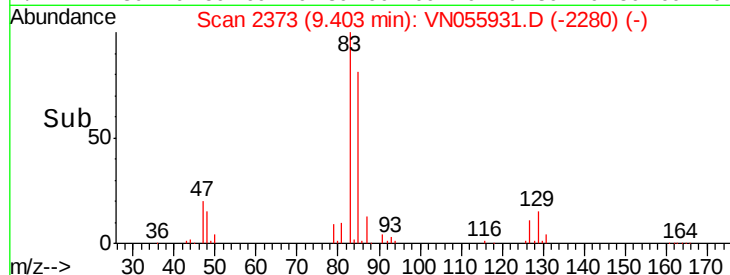
127 9.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055931.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055931.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055931.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.237 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

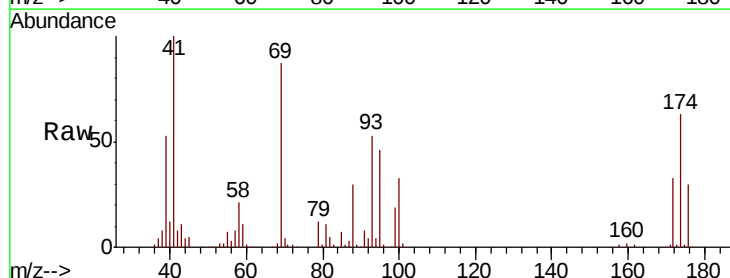
Tgt Ion: 41 Resp: 153330

Ion Ratio Lower Upper

41 100

69 88.9 71.0 106.6

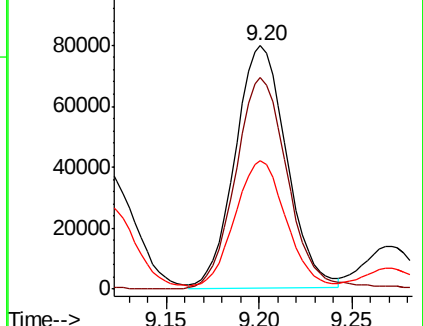
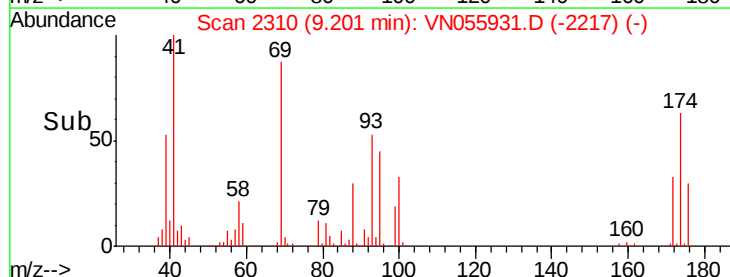
39 53.0 44.2 66.2

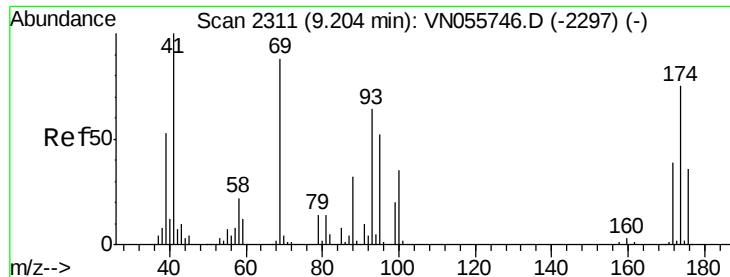


Abundance Ion 41.00 (40.70 to 41.70): VN055931.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055931.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055931.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1044.705 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

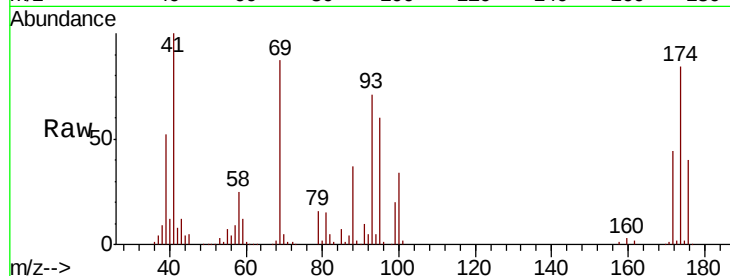
Tot Ion: 88 Resp: 63724

Ion Ratio Lower Upper

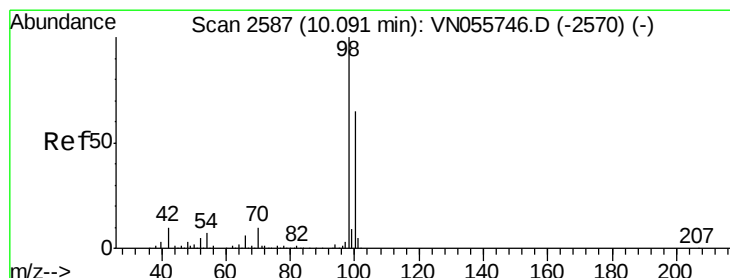
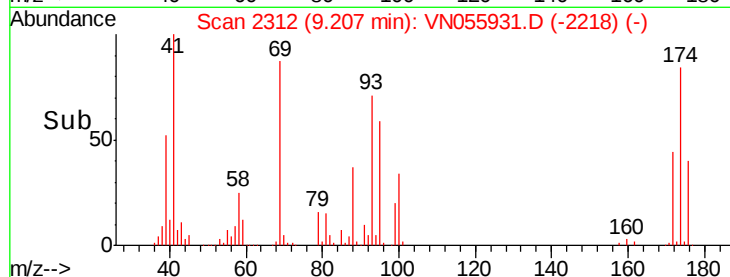
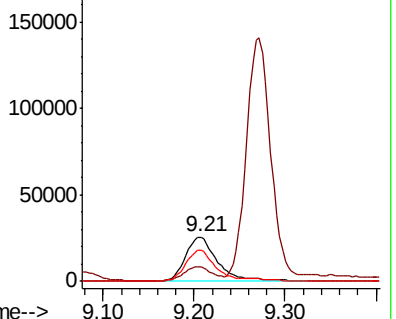
88 100

43 27.6 20.5 30.7

58 63.7 55.8 83.6



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



#50

Toluene-d8

Concen: 49.997 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055931.D

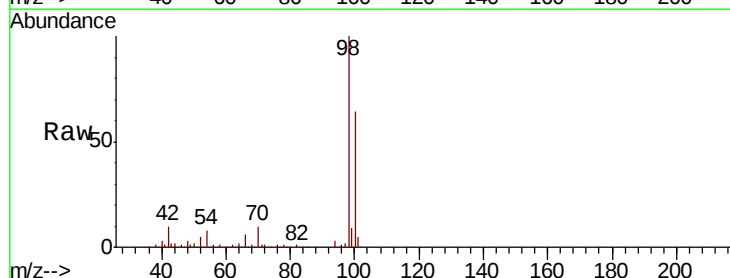
Acq: 31 May 2019 20:09

Tgt Ion: 98 Resp: 545697

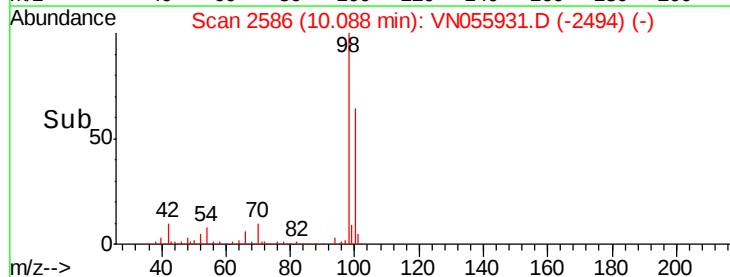
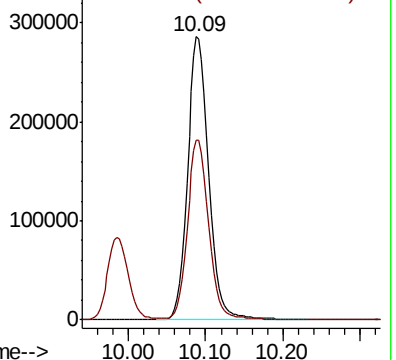
Ion Ratio Lower Upper

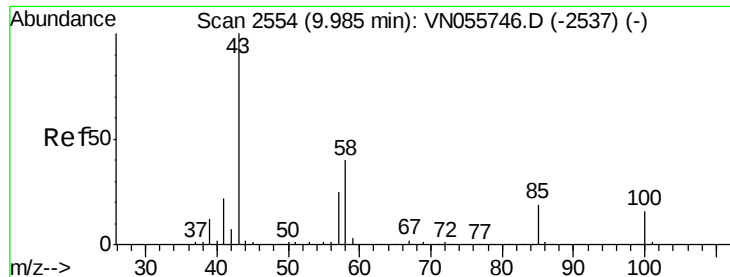
98 100

100 64.1 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 262.206 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

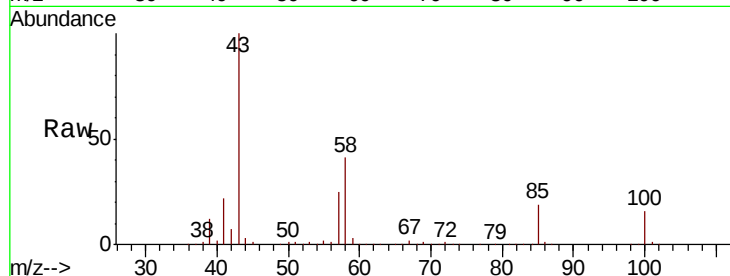
VSTDCCC050EC

Tot Ion: 43 Resp: 986279

Ion Ratio Lower Upper

43 100

58 40.7 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

500000

400000

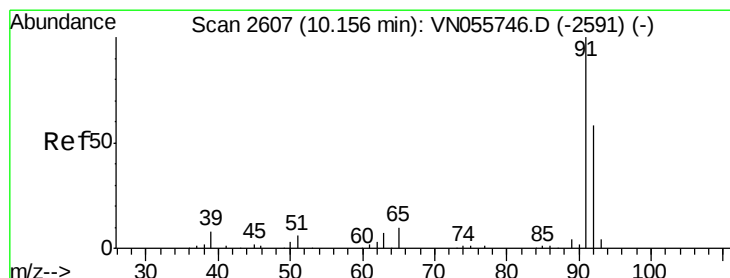
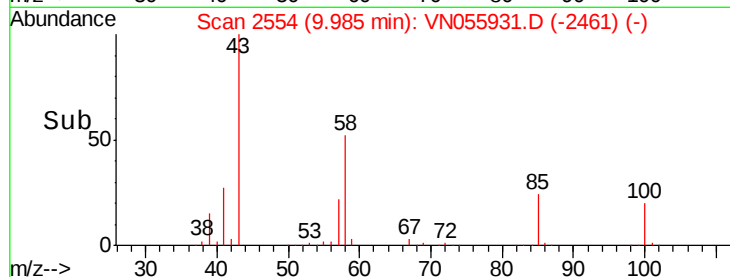
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.007 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055931.D

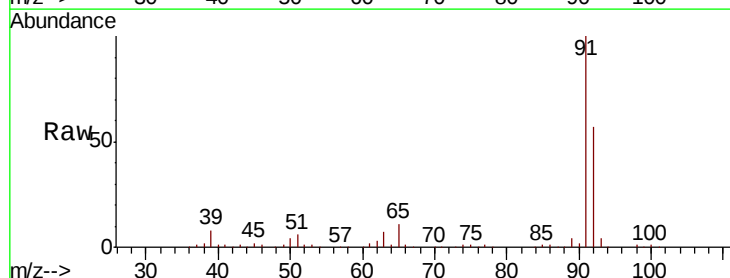
Acq: 31 May 2019 20:09

Tgt Ion: 92 Resp: 371751

Ion Ratio Lower Upper

92 100

91 174.4 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

400000

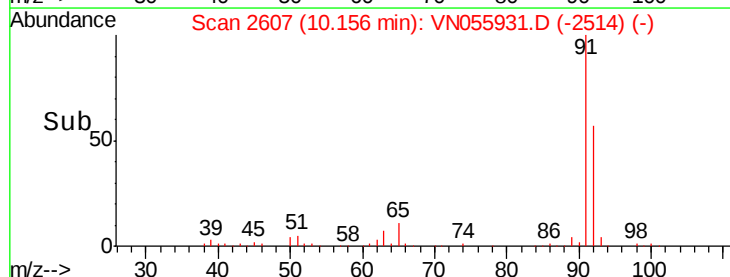
300000

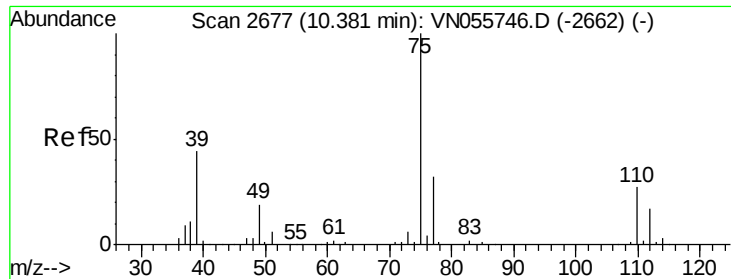
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.755 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

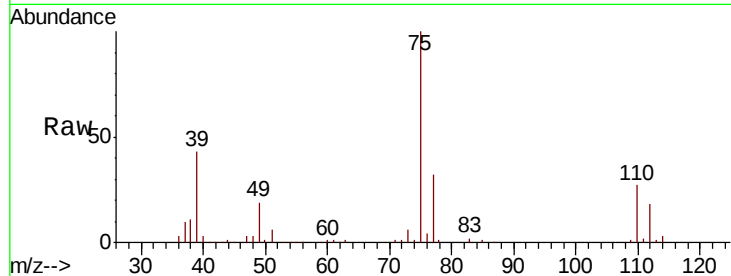
VSTDCCC050EC

Tot Ion: 75 Resp: 206685

Ion Ratio Lower Upper

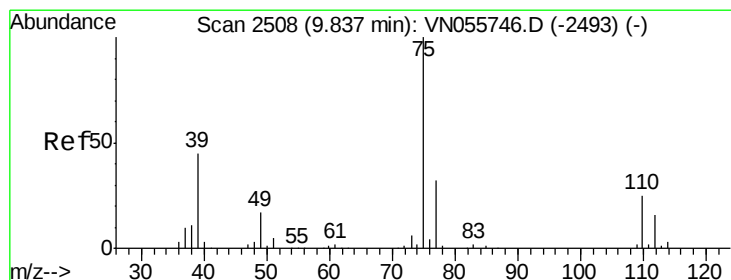
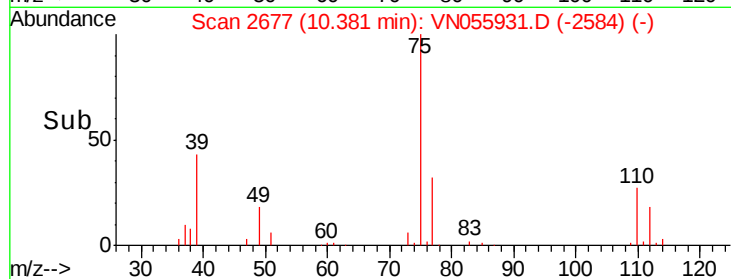
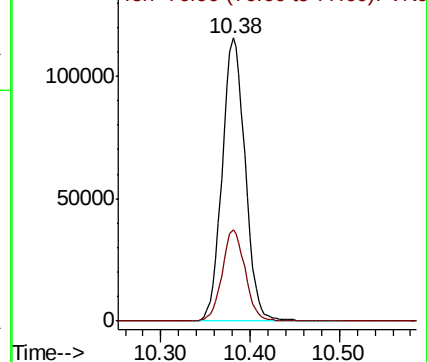
75 100

77 32.0 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 47.735 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

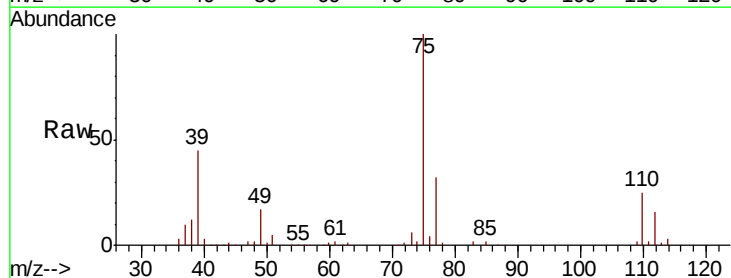
Tgt Ion: 75 Resp: 233768

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0

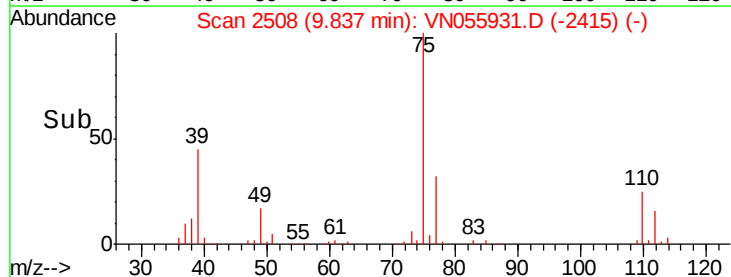
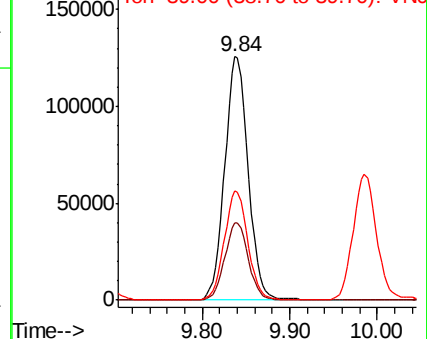
39 45.0 36.3 54.5

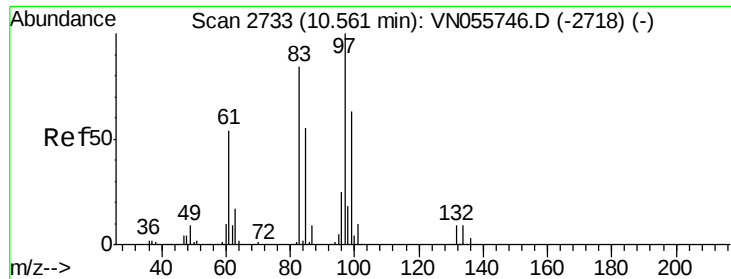


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 51.534 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 153477

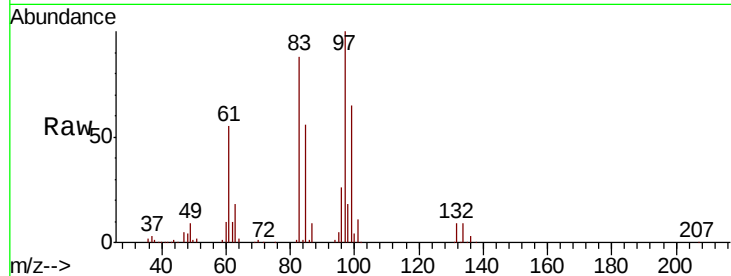
Ion Ratio Lower Upper

97 100

83 88.3 67.0 100.6

85 56.2 44.0 66.0

99 65.3 50.6 75.8

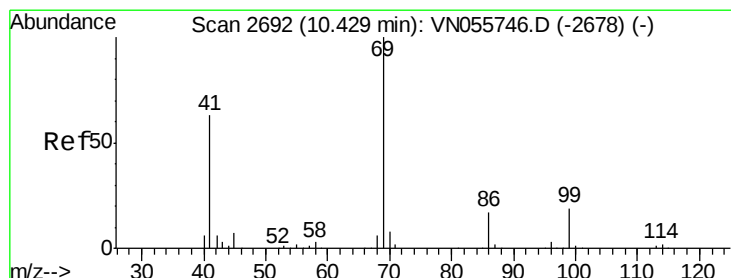
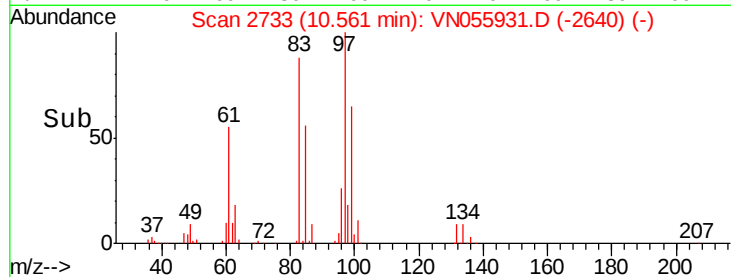
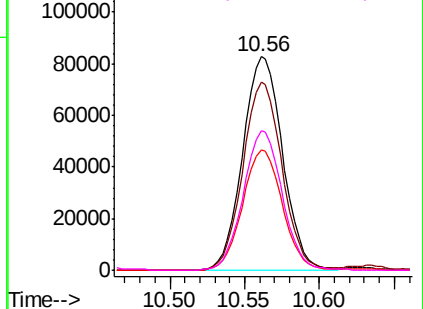


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.790 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

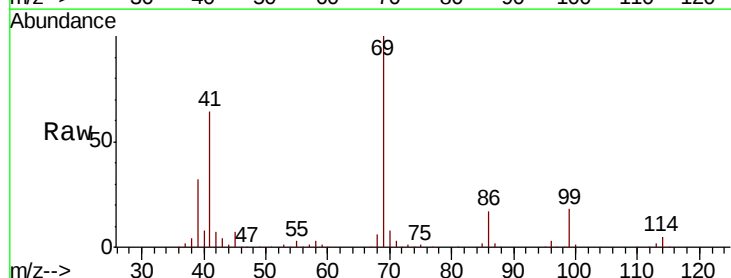
Tgt Ion: 69 Resp: 233771

Ion Ratio Lower Upper

69 100

41 63.5 49.7 74.5

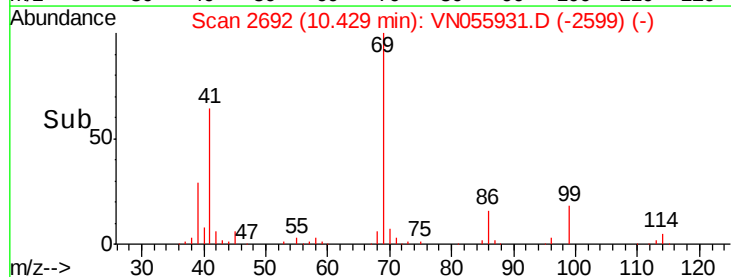
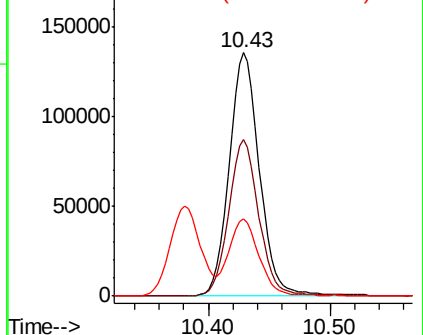
39 31.2 24.7 37.1

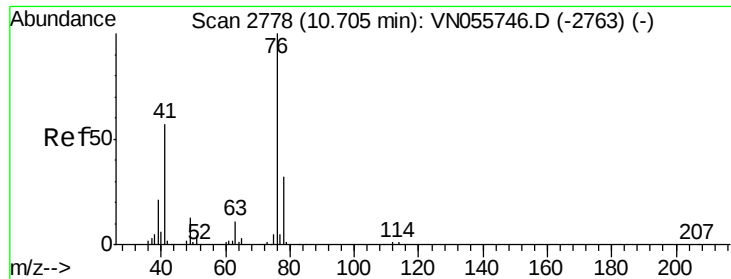


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

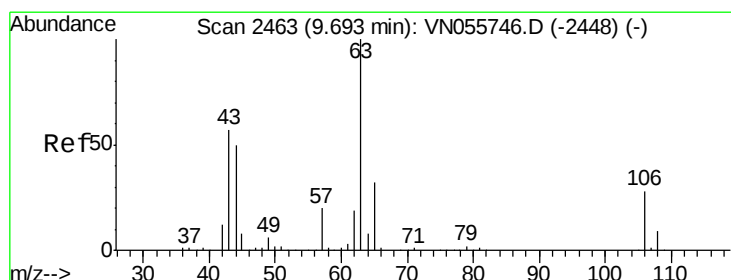
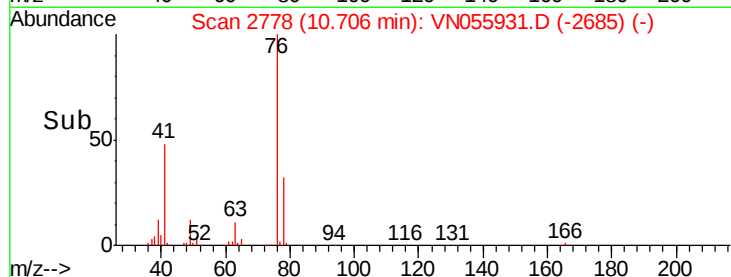
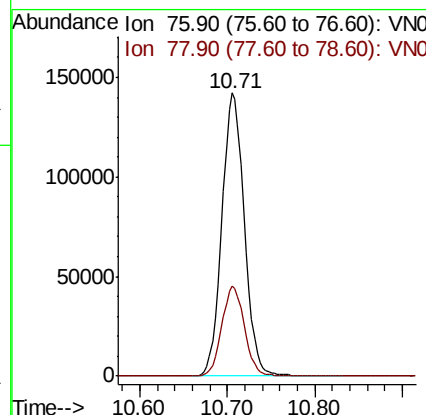
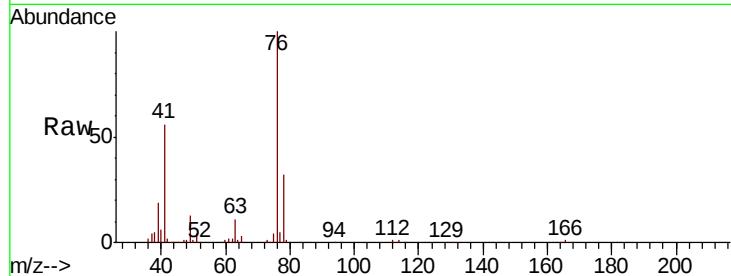




#57
 1,3-Dichloropropane
 Concen: 52.215 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

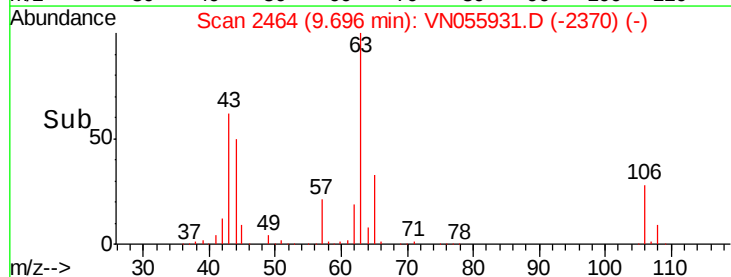
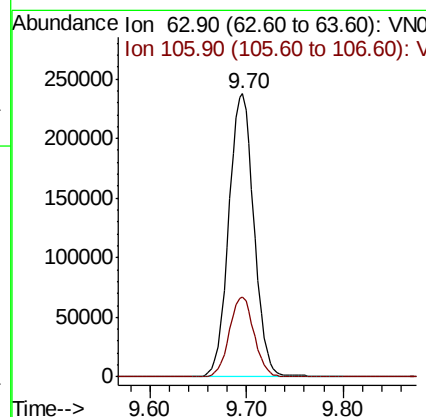
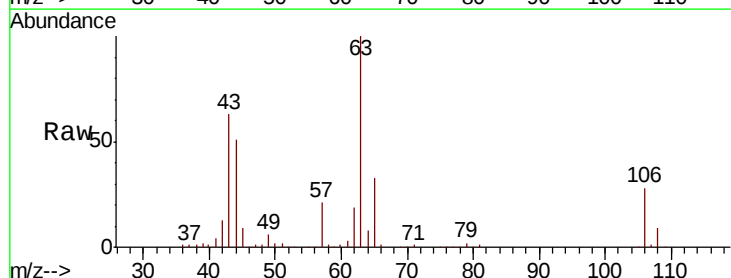
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

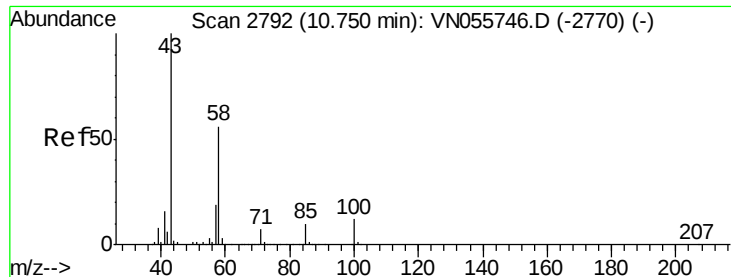
Tot Ion: 76 Resp: 252770
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.015 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Tgt Ion: 63 Resp: 429208
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.7 34.1

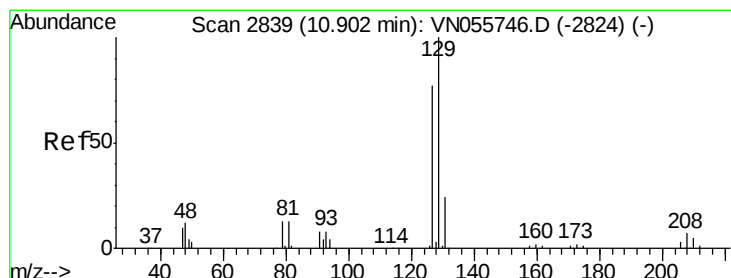
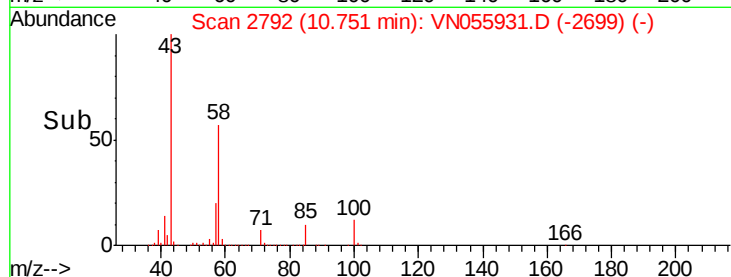
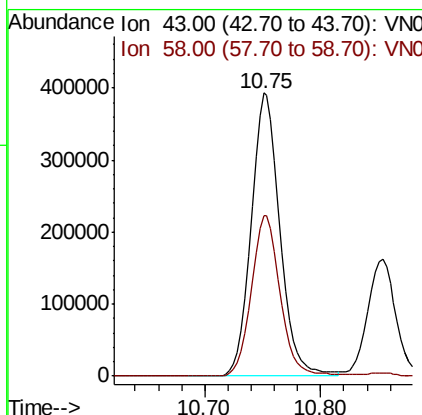
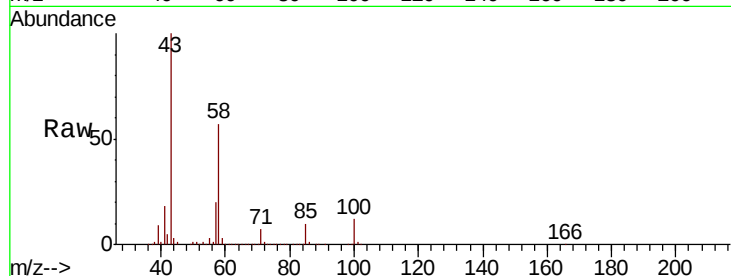




#59
2-Hexanone
Concen: 254.634 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

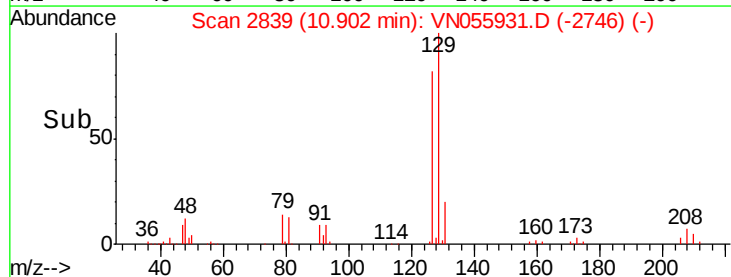
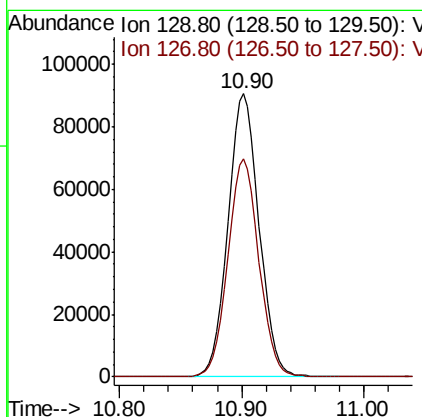
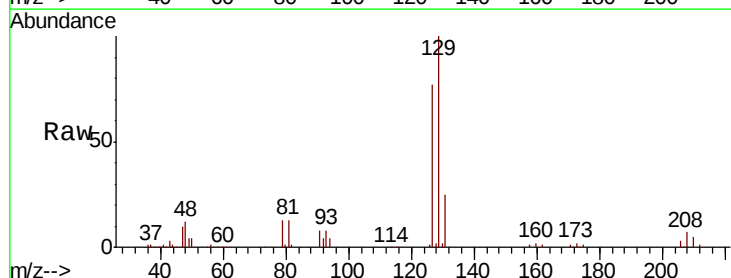
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

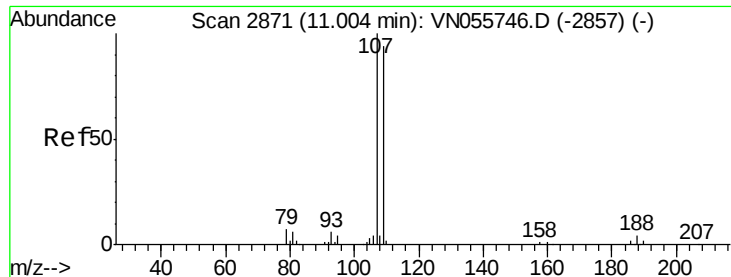
Tot Ion: 43 Resp: 679468
Ion Ratio Lower Upper
43 100
58 57.1 28.2 84.7



#60
Dibromochloromethane
Concen: 46.280 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 129 Resp: 160564
Ion Ratio Lower Upper
129 100
127 77.1 38.1 114.3

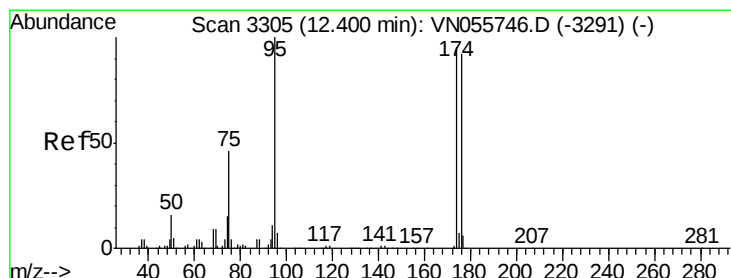
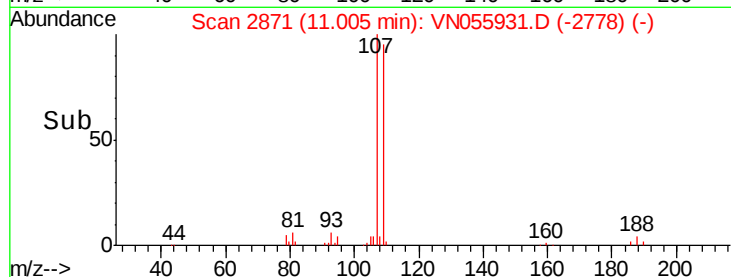
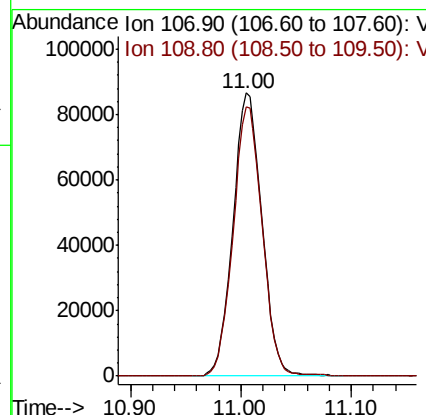
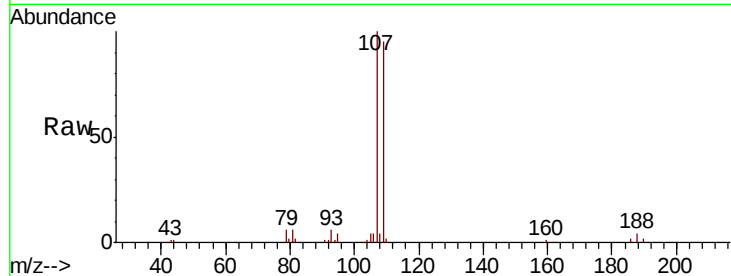




#61
 1,2-Dibromoethane
 Concen: 51.064 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

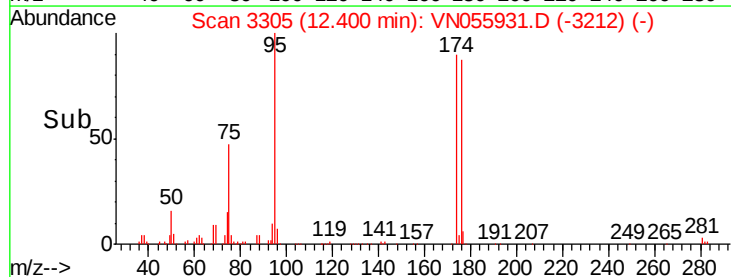
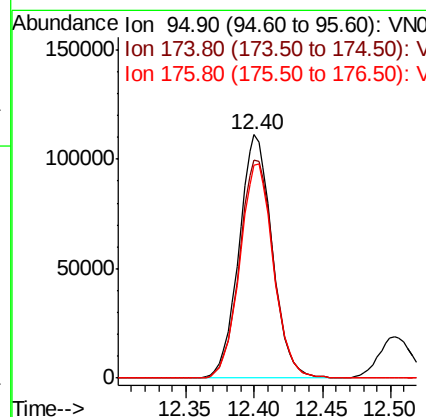
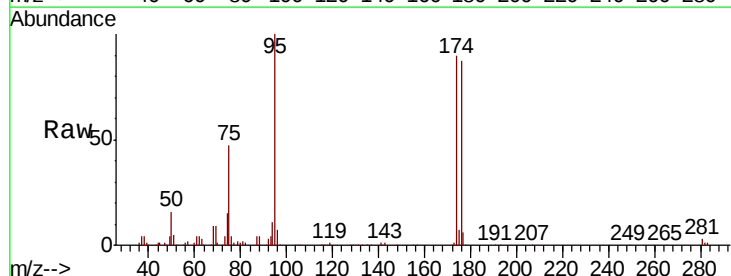
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

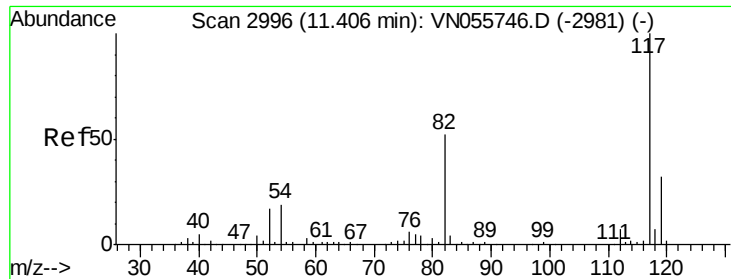
Tot Ion:107 Resp: 157742
 Ion Ratio Lower Upper
 107 100
 109 95.6 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 50.076 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Tgt Ion: 95 Resp: 187410
 Ion Ratio Lower Upper
 95 100
 174 92.2 0.0 191.0
 176 89.3 0.0 185.2

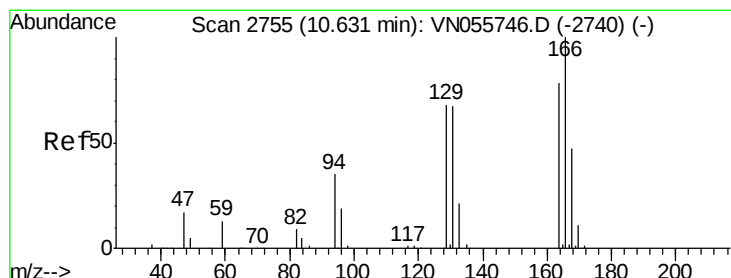
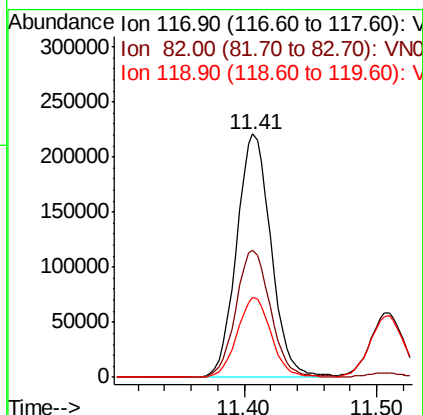
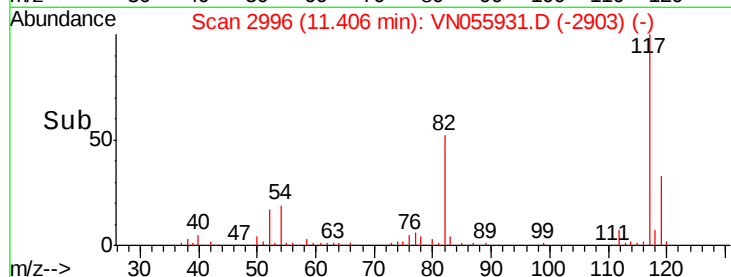
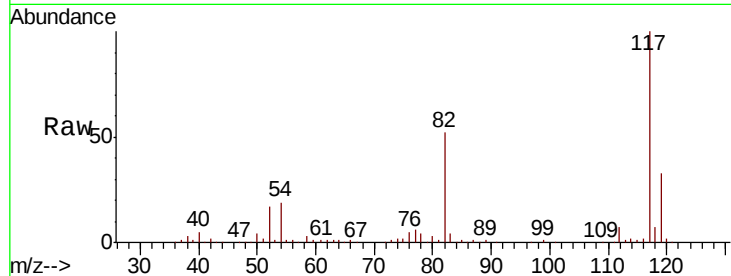




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

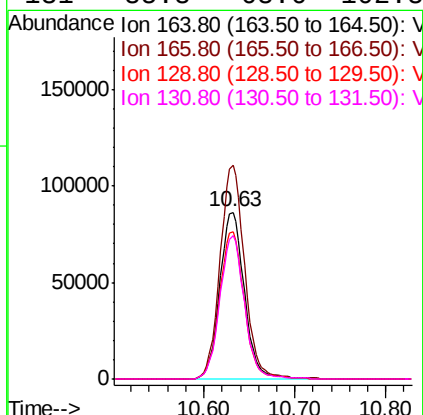
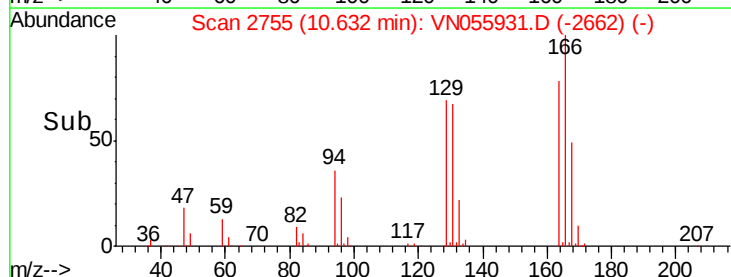
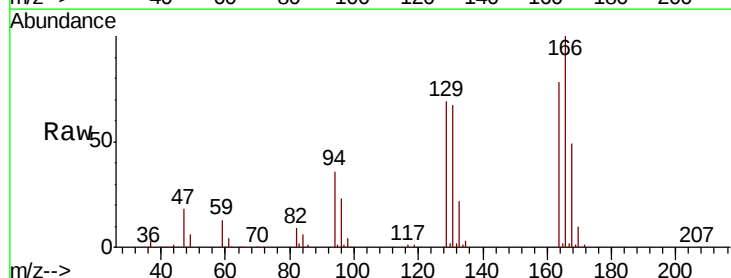
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

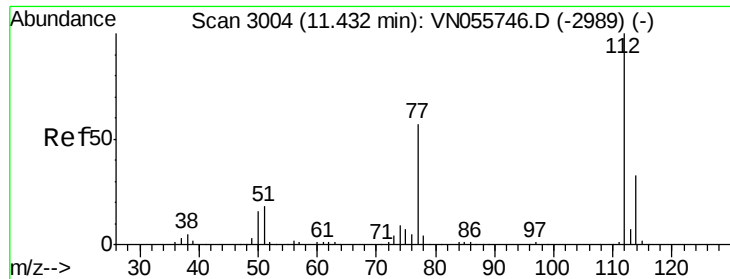
Tot Ion:117 Resp: 398453
Ion Ratio Lower Upper
117 100
82 52.1 41.8 62.8
119 32.6 25.4 38.0



#64
Tetrachloroethene
Concen: 48.452 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion:164 Resp: 162829
Ion Ratio Lower Upper
164 100
166 128.0 103.0 154.6
129 88.3 70.6 105.8
131 85.8 68.6 102.8

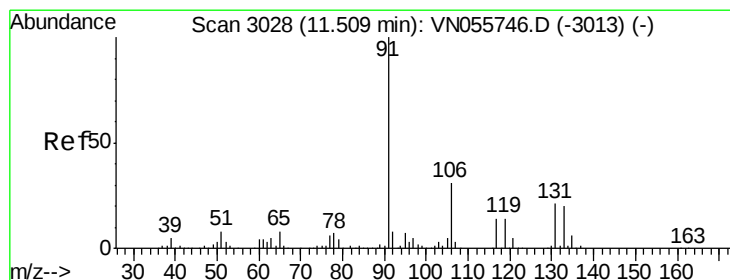
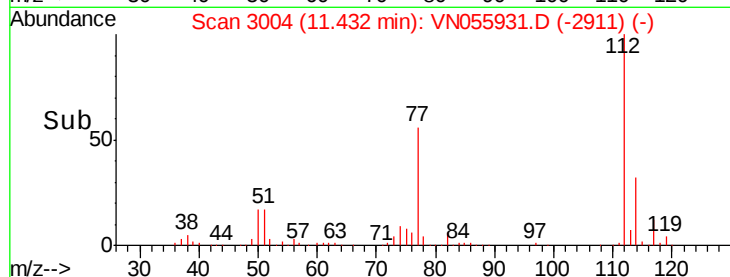
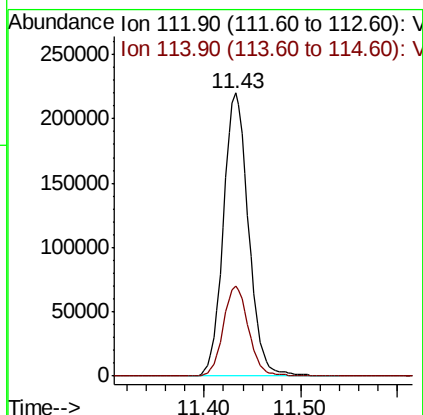
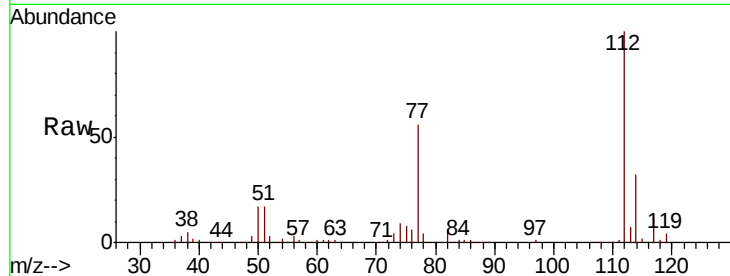




#65
Chlorobenzene
Concen: 49.844 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

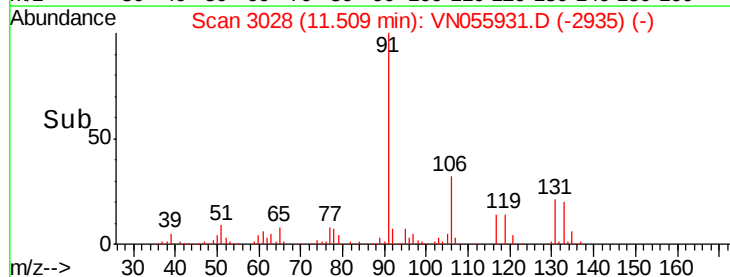
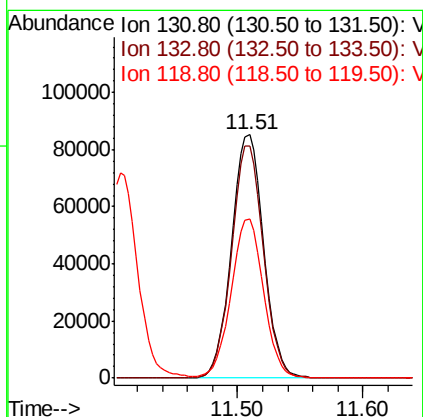
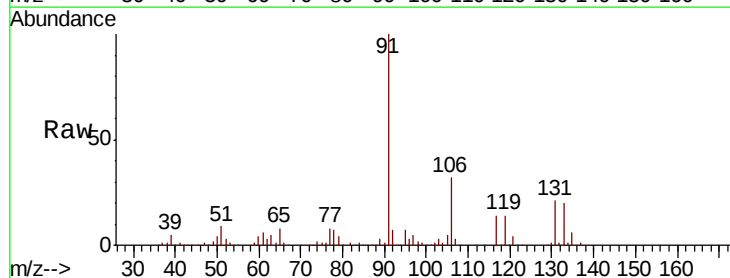
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

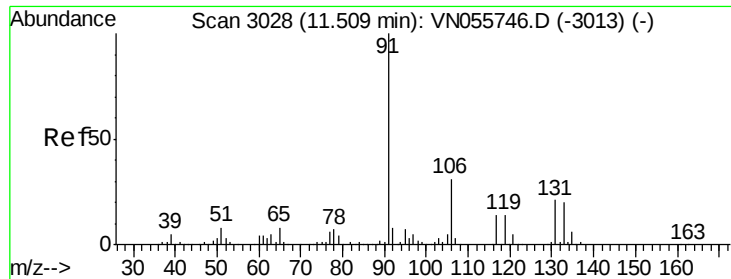
Tot Ion:112 Resp: 397586
Ion Ratio Lower Upper
112 100
114 31.7 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 47.723 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion:131 Resp: 151824
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.0
119 66.0 33.1 99.5

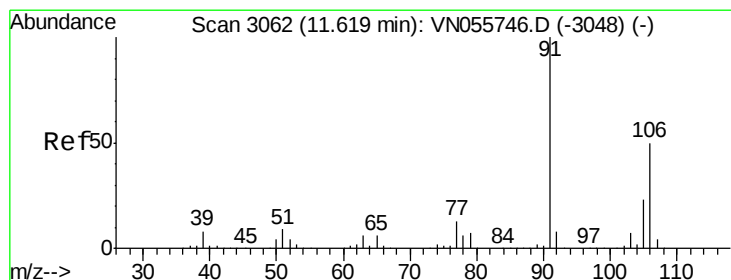
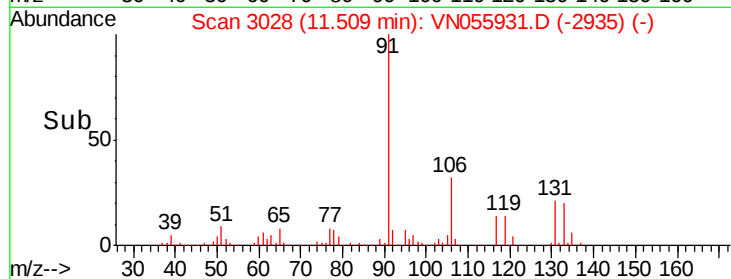
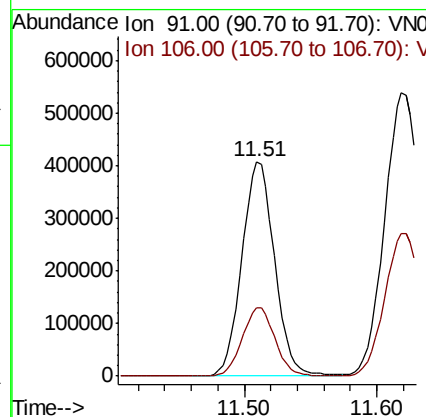
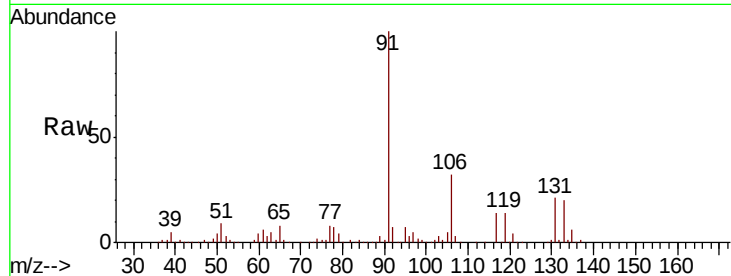




#67
Ethyl Benzene
Concen: 48.849 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

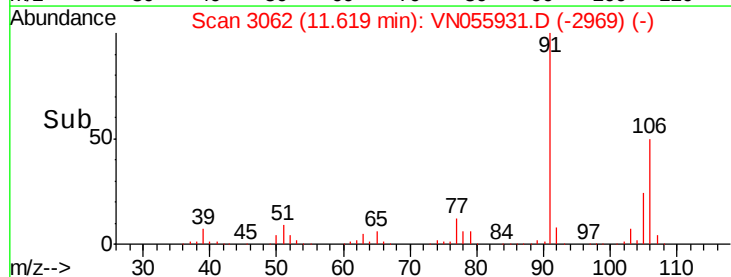
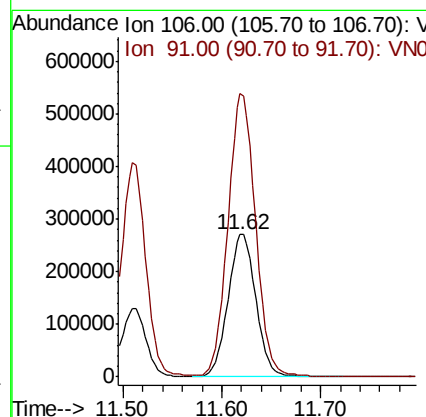
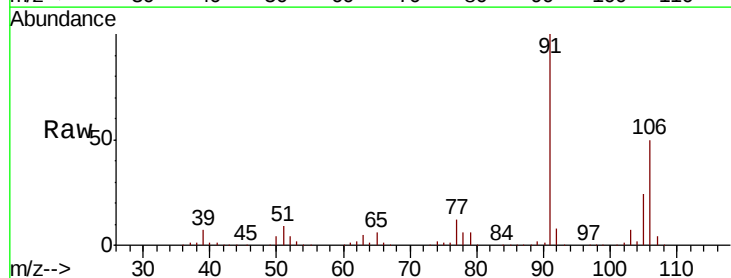
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

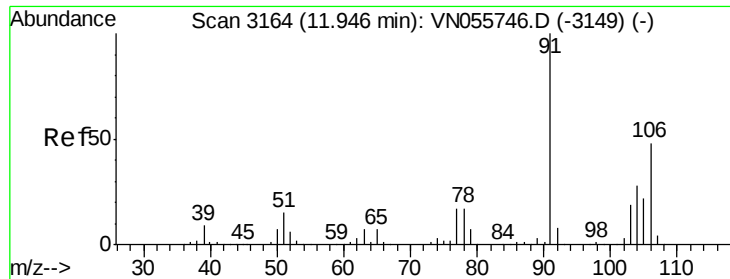
Tot Ion: 91 Resp: 698749
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7



#68
m/p-Xylenes
Concen: 98.766 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 106 Resp: 534101
Ion Ratio Lower Upper
106 100
91 197.7 159.3 238.9

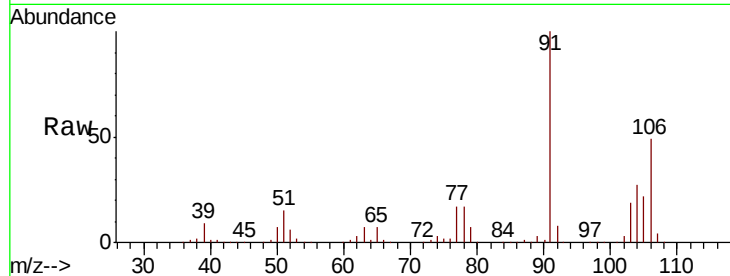




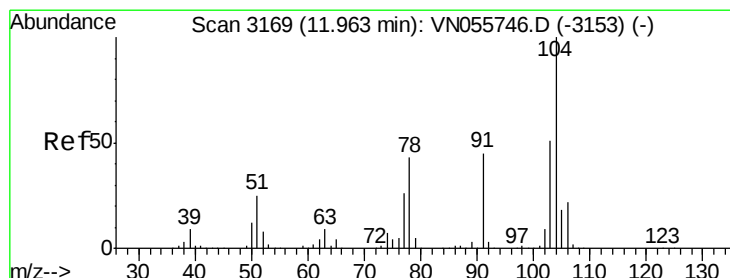
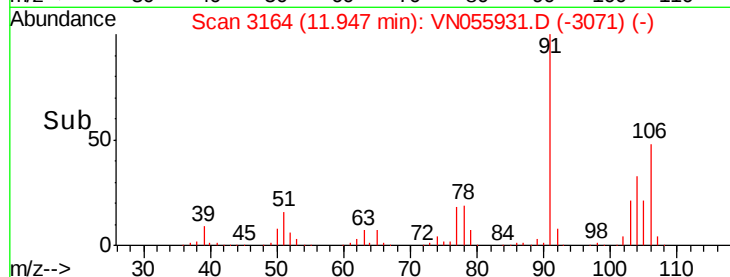
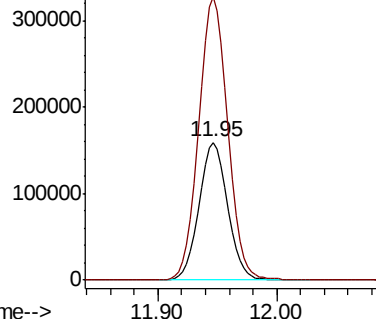
#69
o-Xylene
Concen: 49.298 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 264493
Ion Ratio Lower Upper
106 100
91 208.2 104.7 314.1

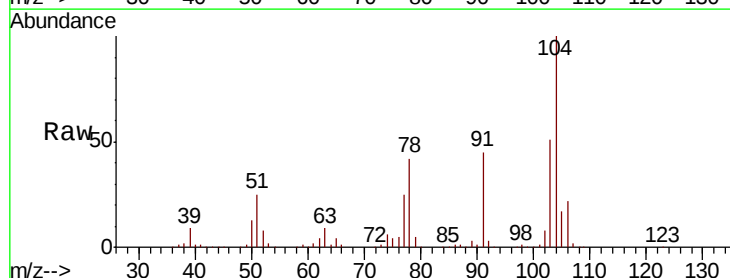


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

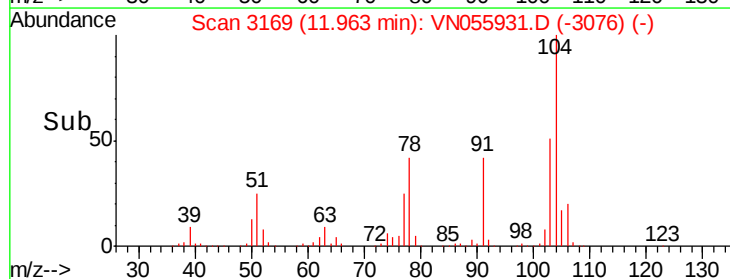
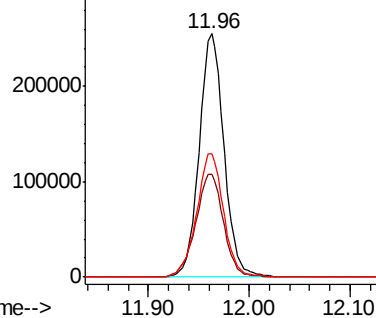


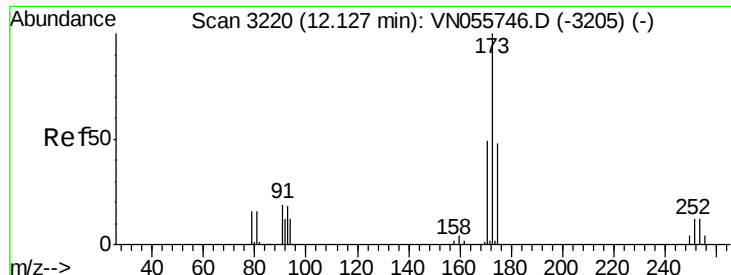
#70
Styrene
Concen: 50.470 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion:104 Resp: 438502
Ion Ratio Lower Upper
104 100
78 47.4 37.8 56.6
103 55.0 44.2 66.2



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





#71

Bromoform

Concen: 42.335 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

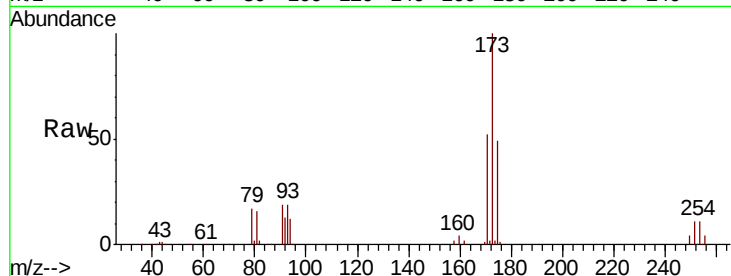
Tot Ion:173 Resp: 114878

Ion Ratio Lower Upper

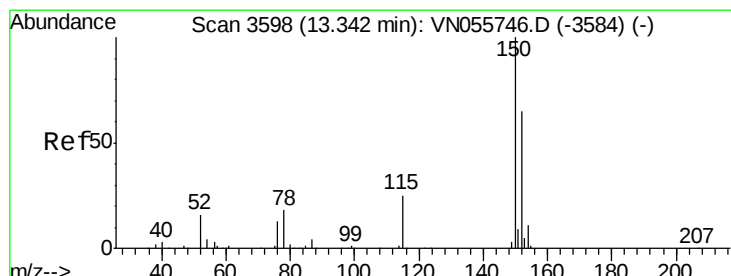
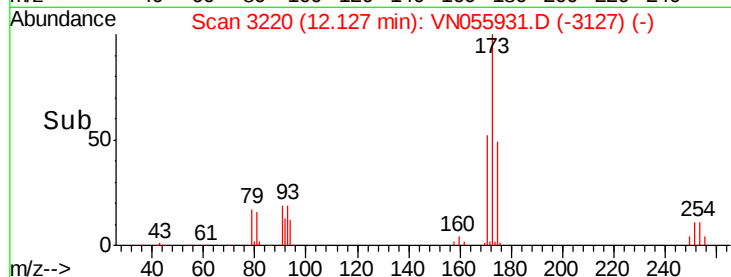
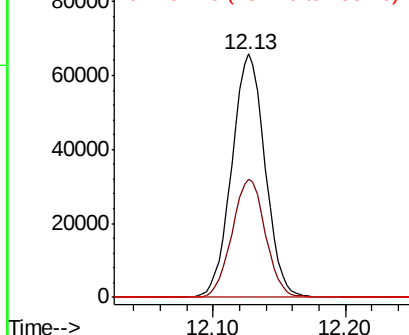
173 100

175 48.6 24.3 72.8

254 0.1 0.0 0.0#



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: VN055931.D

Acq: 31 May 2019 20:09

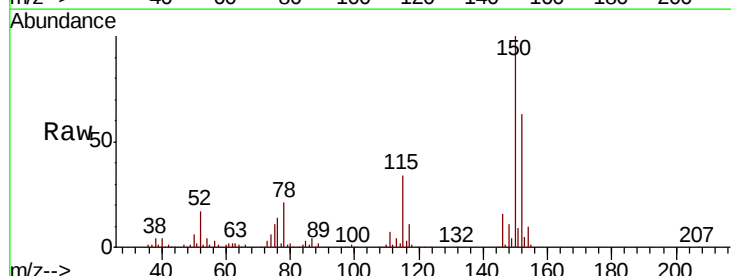
Tgt Ion:152 Resp: 174777

Ion Ratio Lower Upper

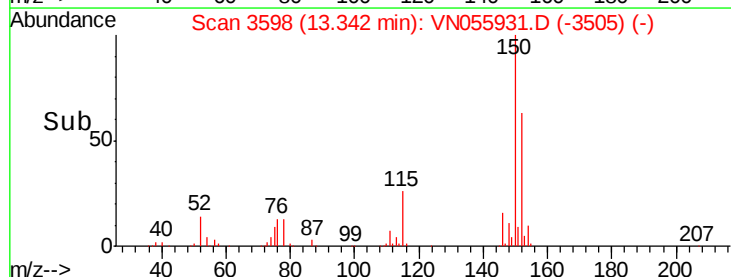
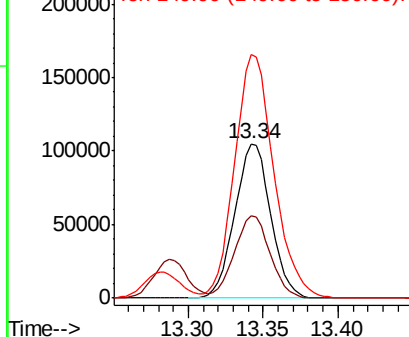
152 100

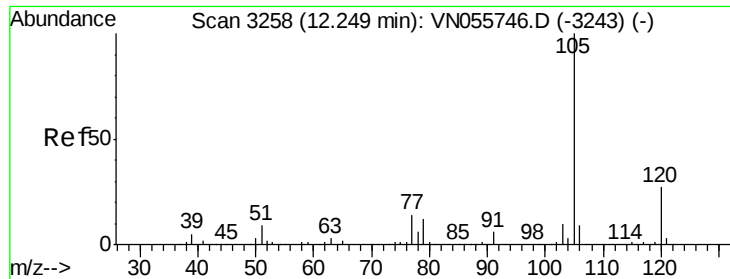
115 53.4 27.0 81.0

150 173.1 0.0 343.2



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: 55.866 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

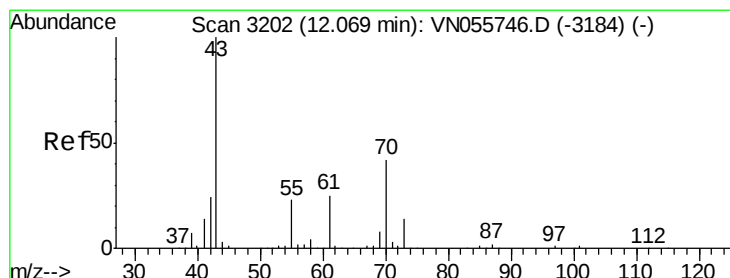
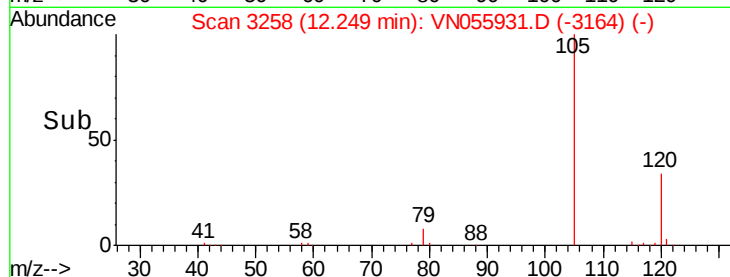
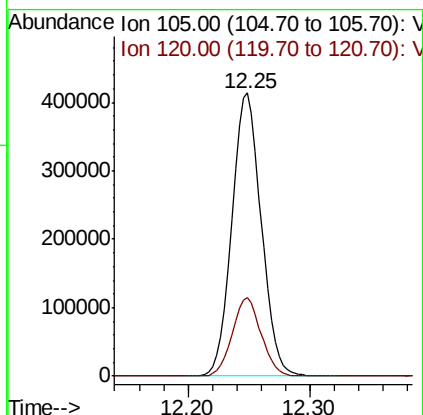
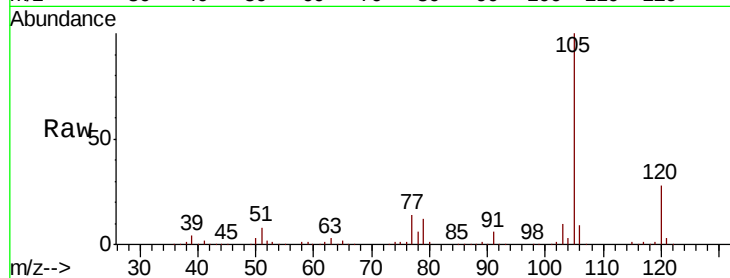
VSTDCCC050EC

Tot Ion:105 Resp: 690671

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



#74

N-ethyl acetate

Concen: 53.556 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Tgt Ion: 43 Resp: 252704

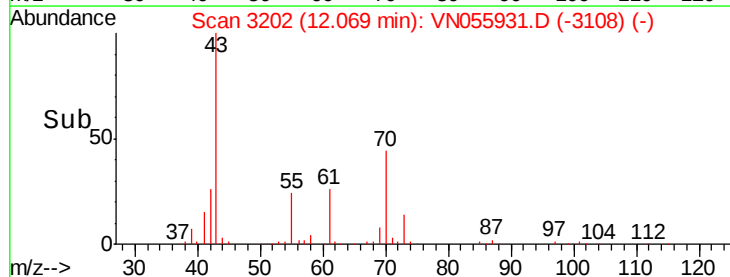
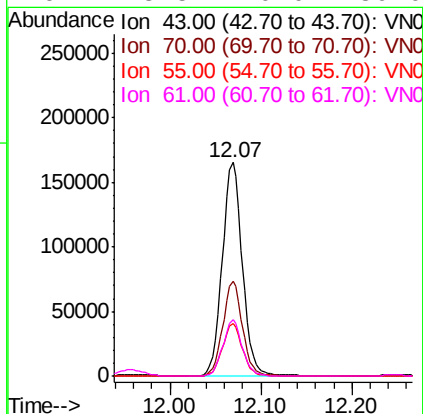
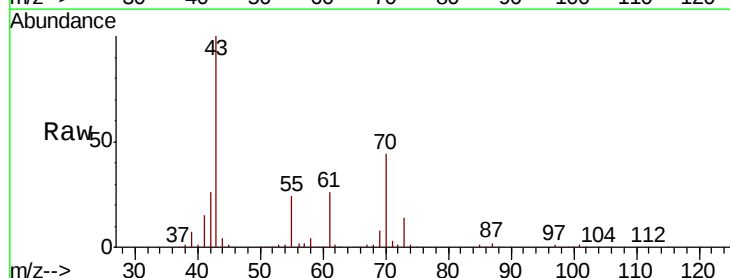
Ion Ratio Lower Upper

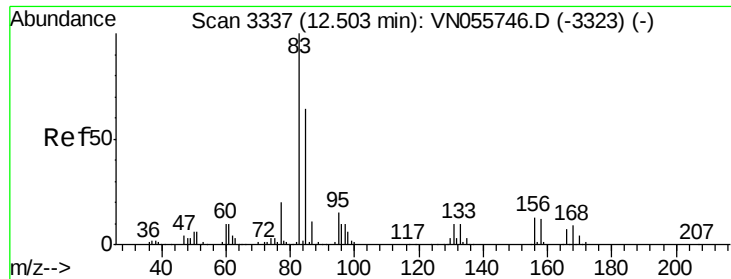
43 100

70 43.4 34.0 51.0

55 24.4 18.6 28.0

61 25.5 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 58.963 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

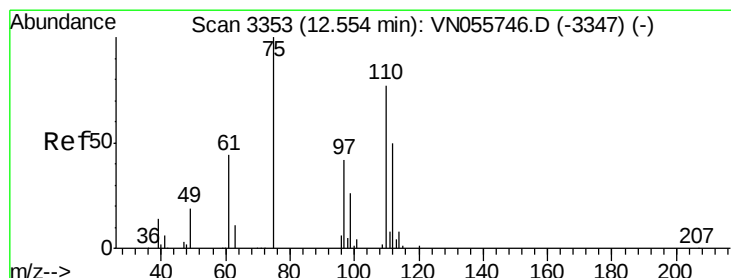
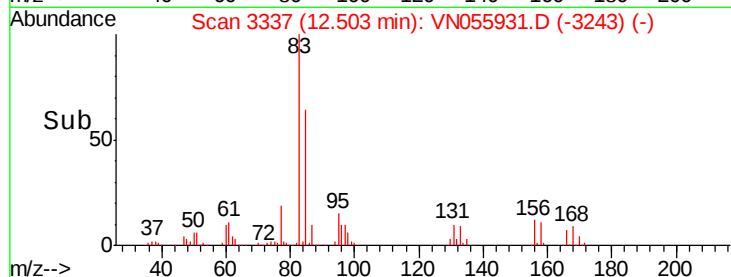
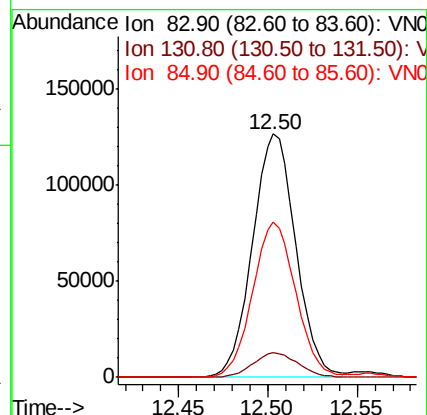
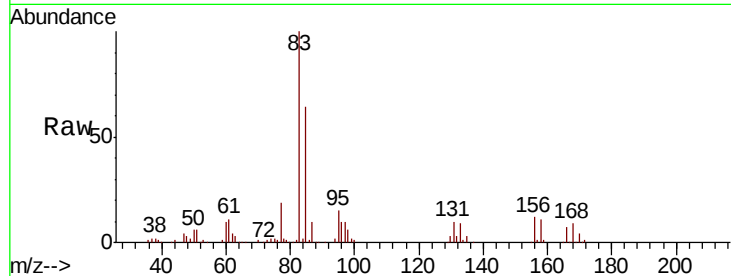
Tot Ion: 83 Resp: 214926

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

85 63.5 32.4 97.0



#76

1,2,3-Trichloropropane

Concen: 86.074 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055931.D

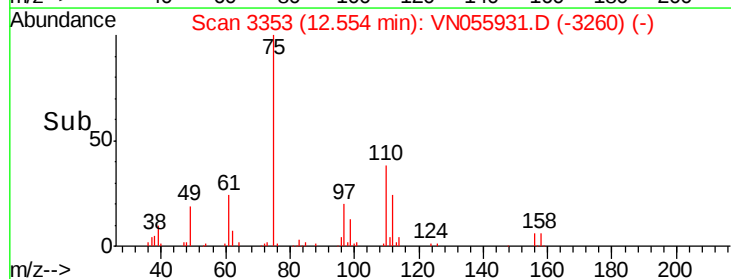
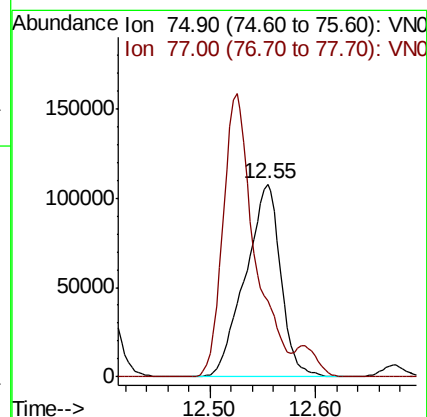
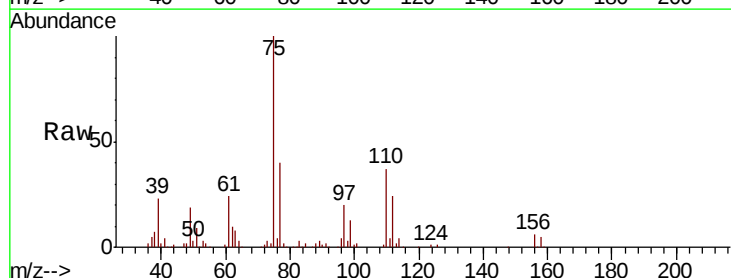
Acq: 31 May 2019 20:09

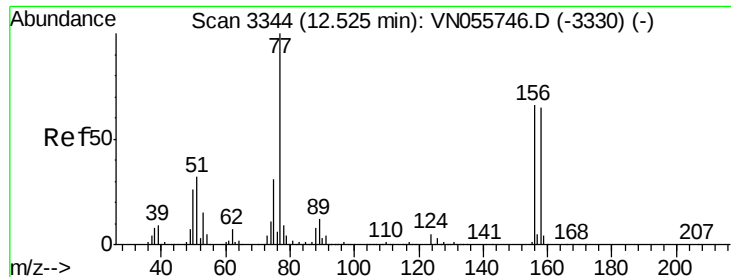
Tgt Ion: 75 Resp: 252202

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

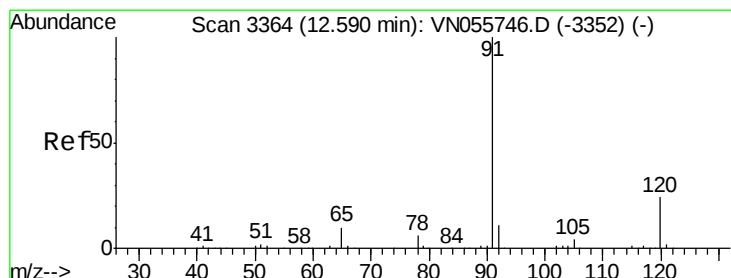
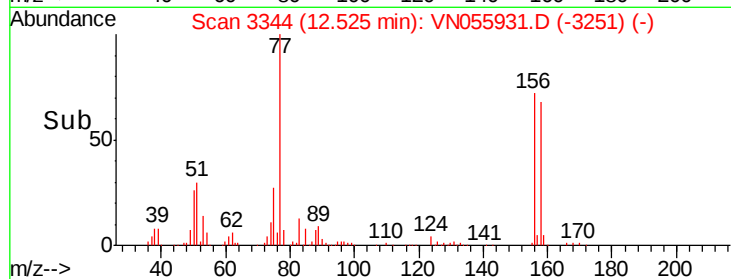
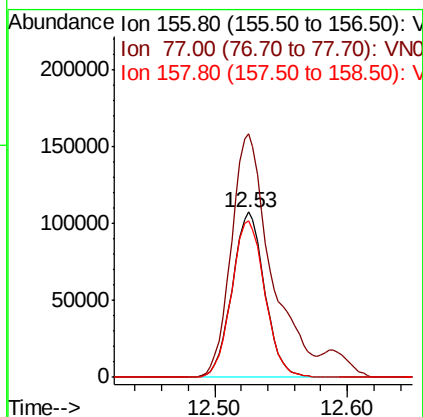
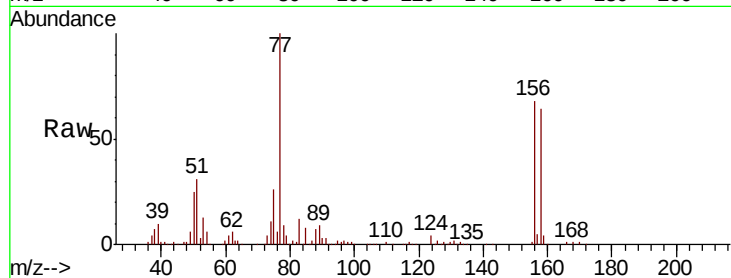




#77
Bromobenzene
Concen: 49.013 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

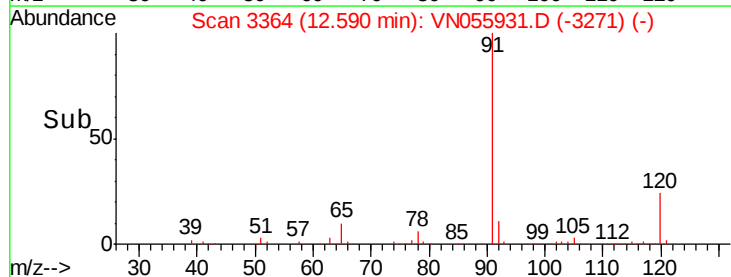
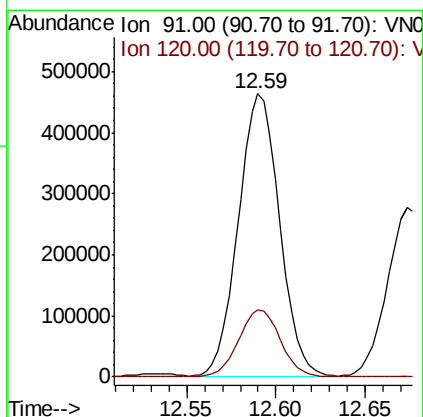
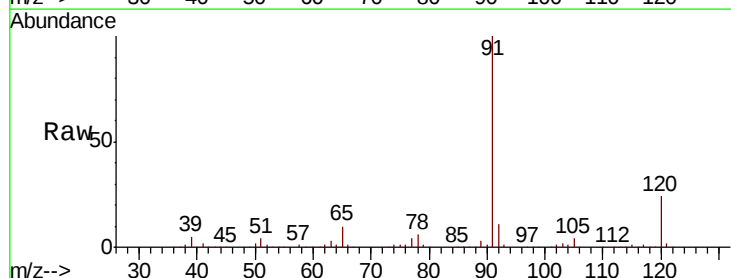
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

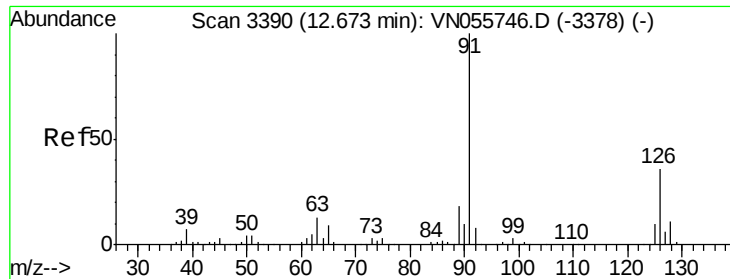
Tot Ion:156 Resp: 182796
Ion Ratio Lower Upper
156 100
77 180.8 90.8 272.5
158 97.1 49.3 147.8



#78
n-propylbenzene
Concen: 48.762 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 91 Resp: 740722
Ion Ratio Lower Upper
91 100
120 24.2 12.0 36.0





#79

2-Chlorotoluene

Concen: 55.303 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

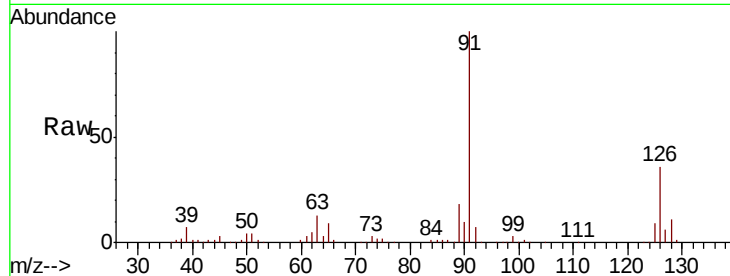
VSTDCCC050EC

Tot Ion: 91 Resp: 450294

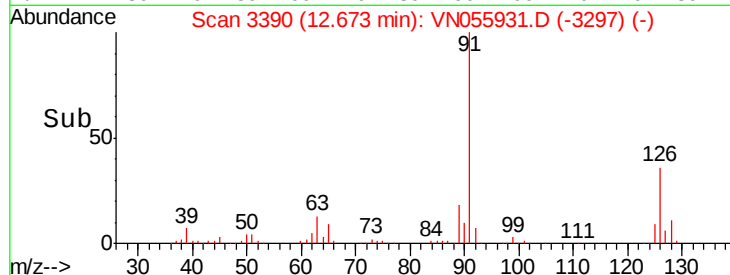
Ion Ratio Lower Upper

91 100

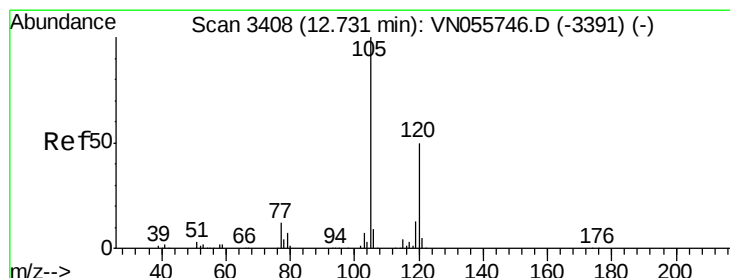
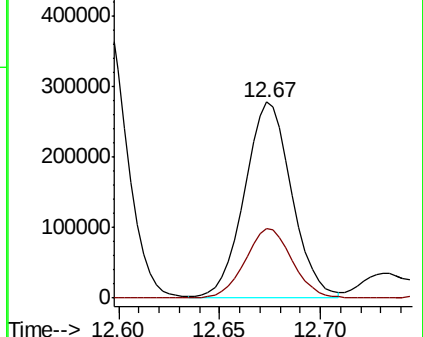
126 35.7 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055931.D (-3297) (-)



Ion 125.90 (125.60 to 126.60): VN055931.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.492 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055931.D

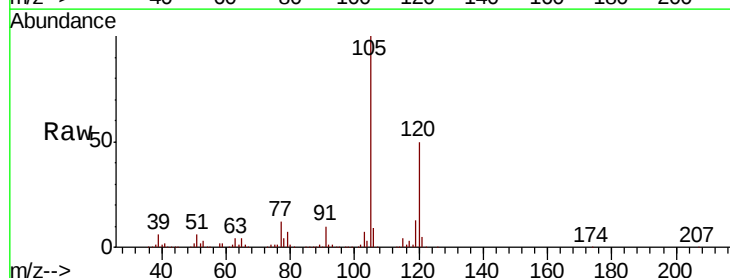
Acq: 31 May 2019 20:09

Tgt Ion: 105 Resp: 567848

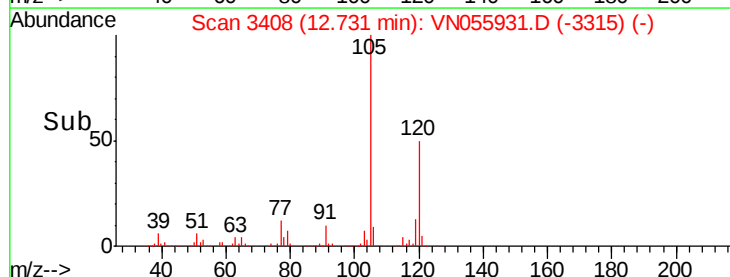
Ion Ratio Lower Upper

105 100

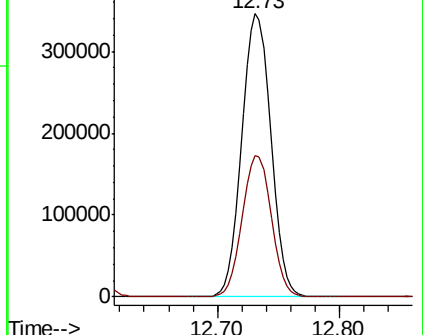
120 49.9 24.7 74.1

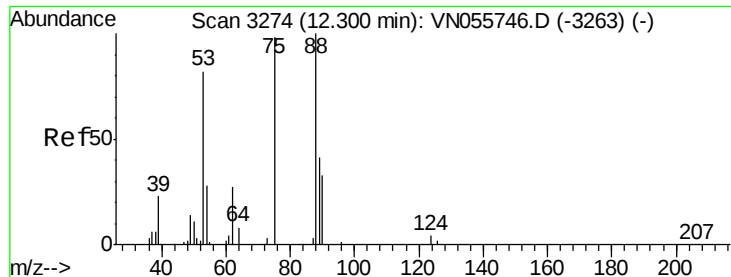


Abundance Ion 105.00 (104.70 to 105.70): VN055931.D (-3315) (-)



Ion 120.00 (119.70 to 120.70): VN055931.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.712 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

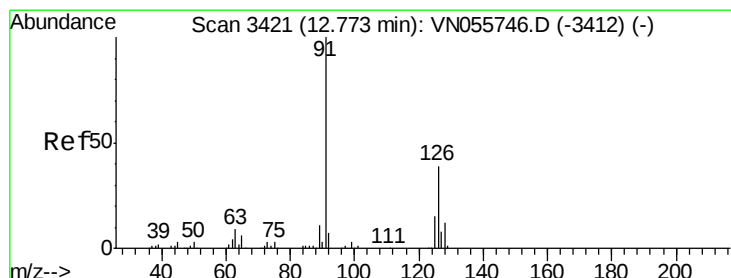
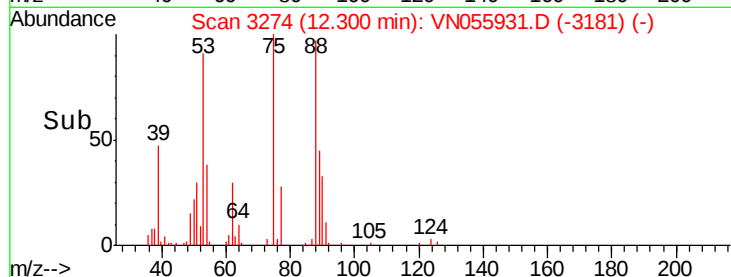
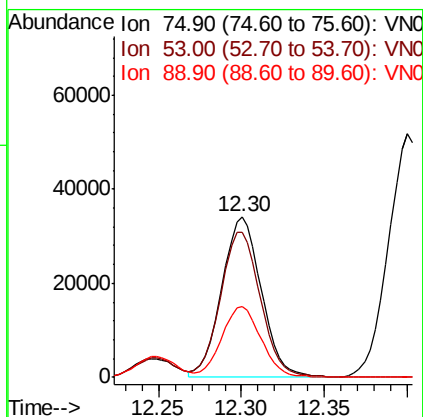
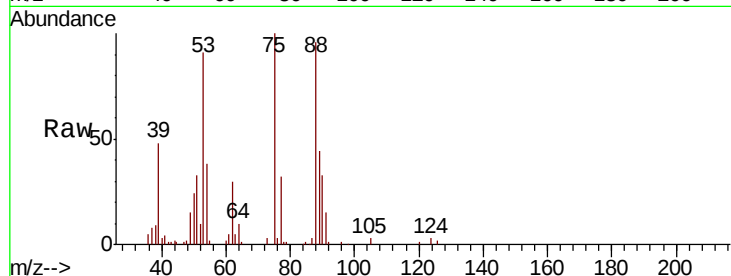
Tot Ion: 75 Resp: 56781

Ion Ratio Lower Upper

75 100

53 91.9 68.1 102.1

89 44.1 36.9 55.3



#82

4-Chlorotoluene

Concen: 48.735 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055931.D

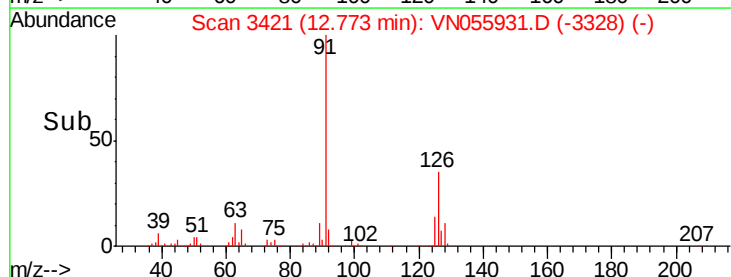
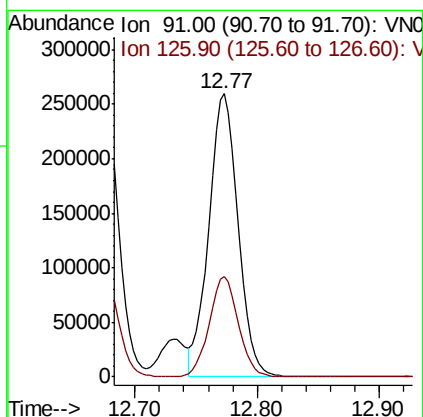
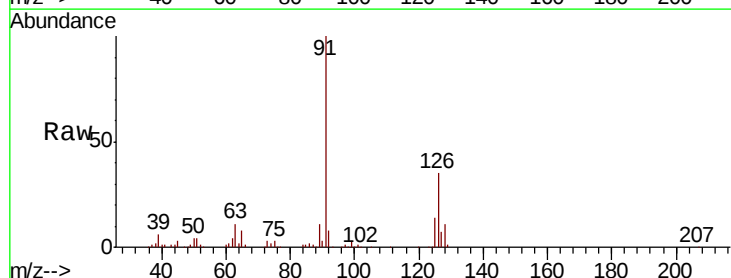
Acq: 31 May 2019 20:09

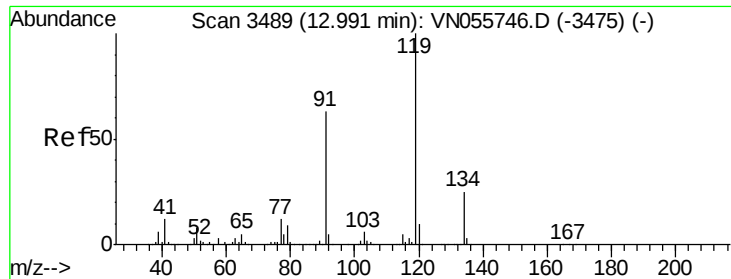
Tgt Ion: 91 Resp: 435175

Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.3

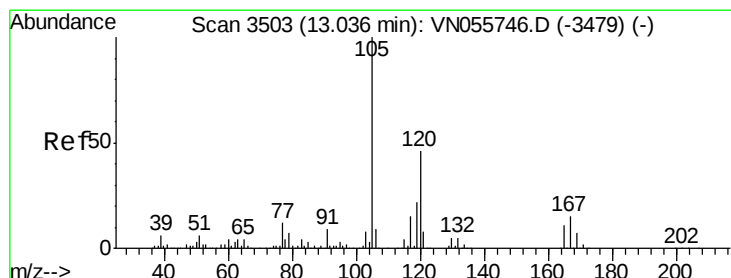
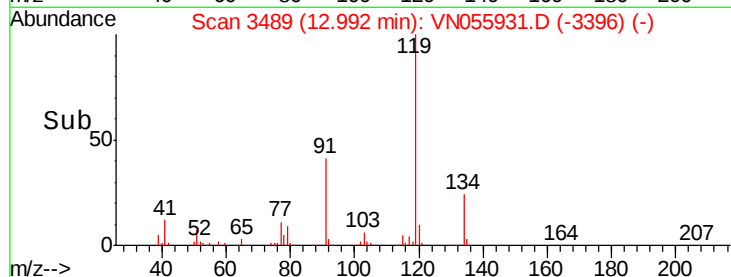
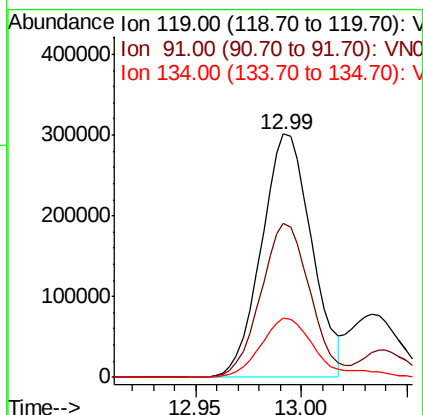
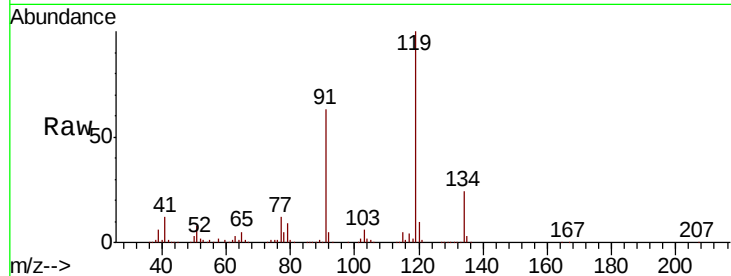




#83
 tert-Butylbenzene
 Concen: 55.582 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

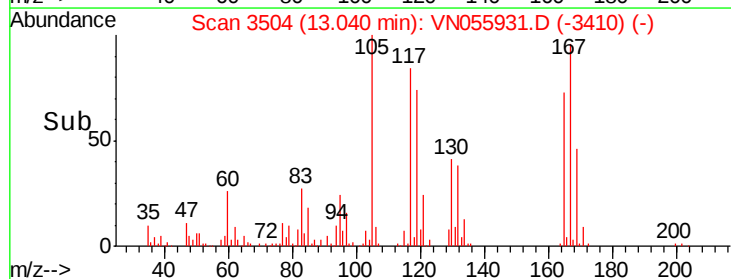
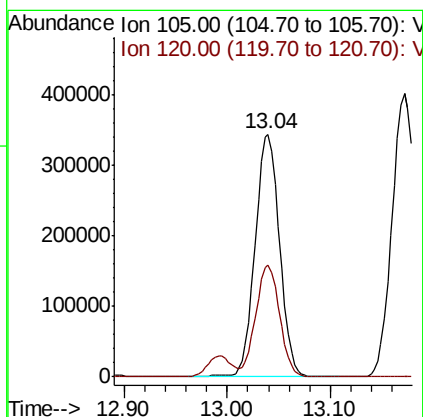
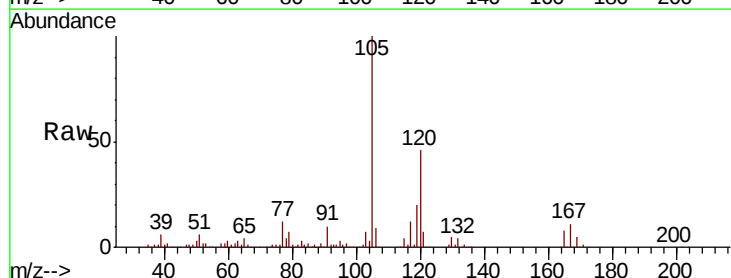
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

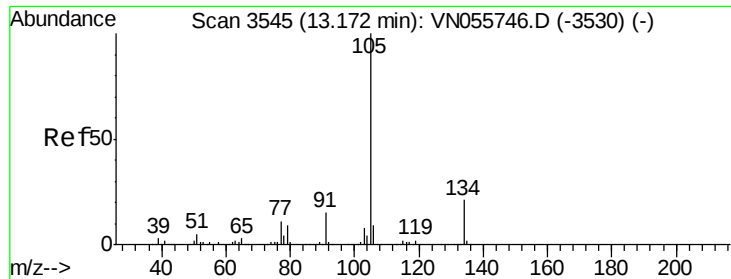
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	30.9	92.8
134	26.6	13.3	39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 53.991 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.0	69.0





#85

sec-Butylbenzene

Concen: 54.823 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

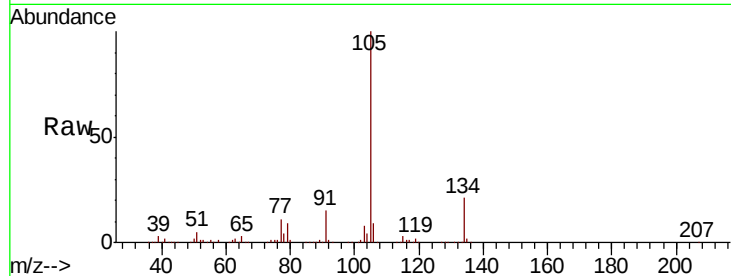
VSTDCCC050EC

Tot Ion:105 Resp: 642344

Ion Ratio Lower Upper

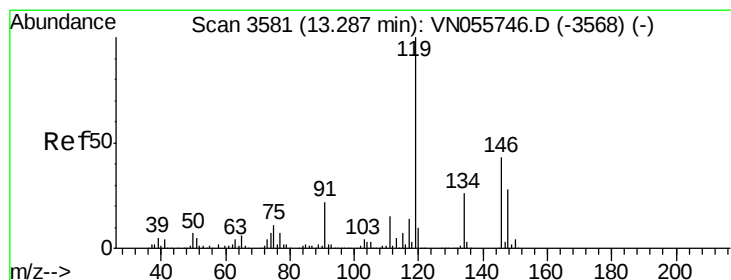
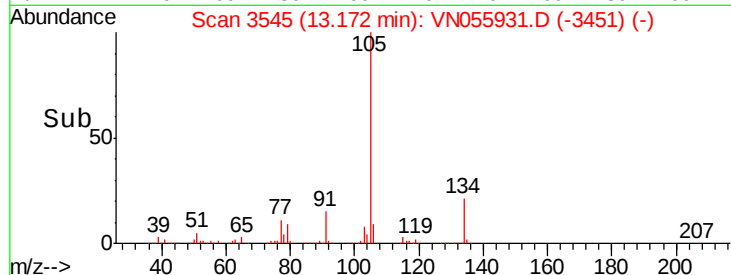
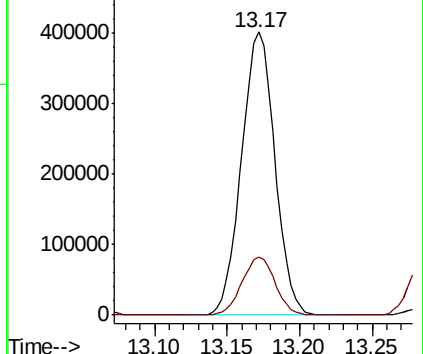
105 100

134 20.5 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.553 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

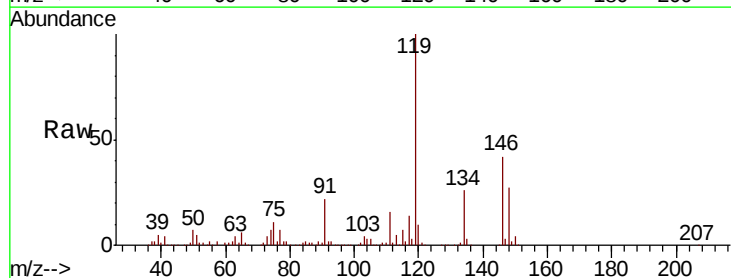
Tgt Ion:119 Resp: 577179

Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

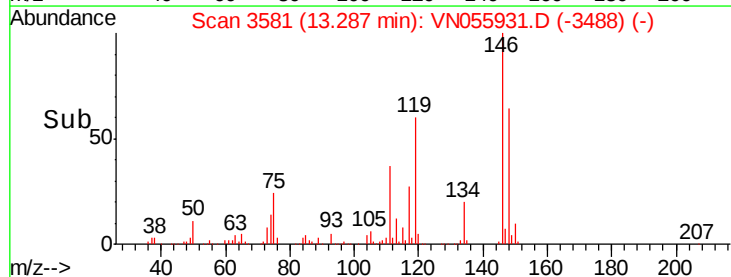
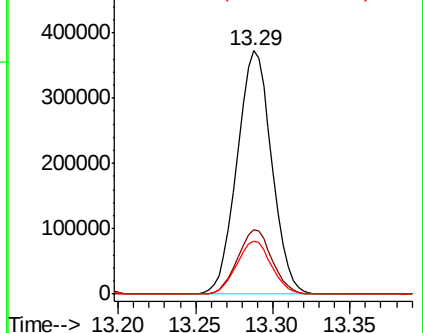
91 21.9 10.9 32.9

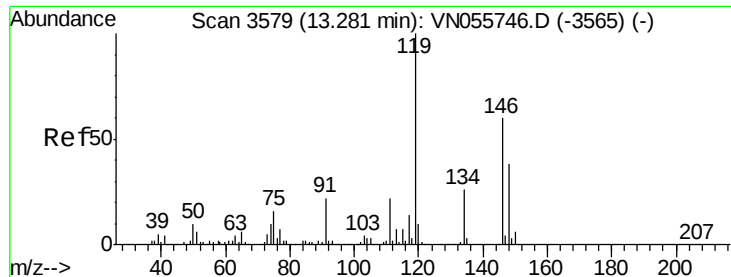


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.164 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

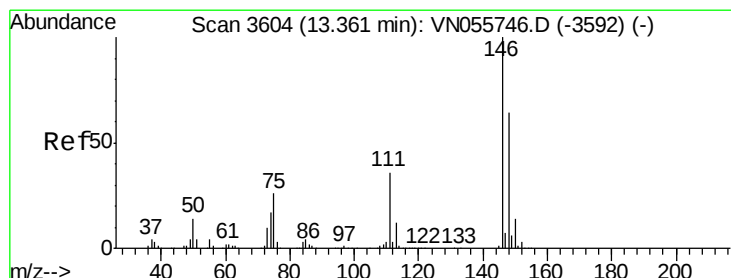
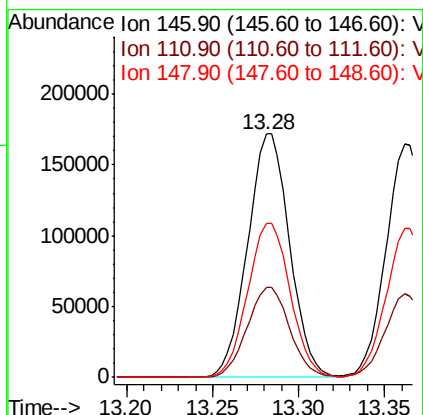
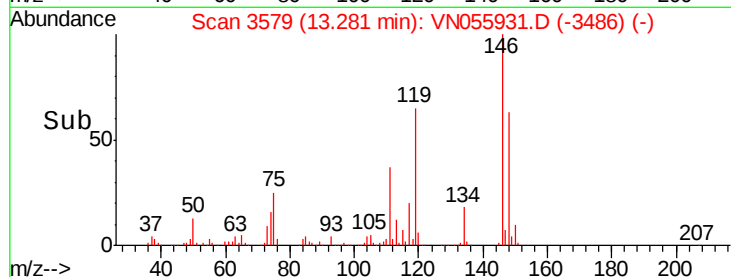
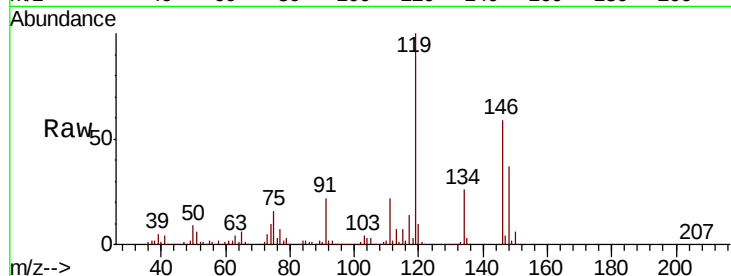
Tot Ion:146 Resp: 290341

Ion Ratio Lower Upper

146 100

111 37.5 18.5 55.5

148 64.2 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 49.776 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

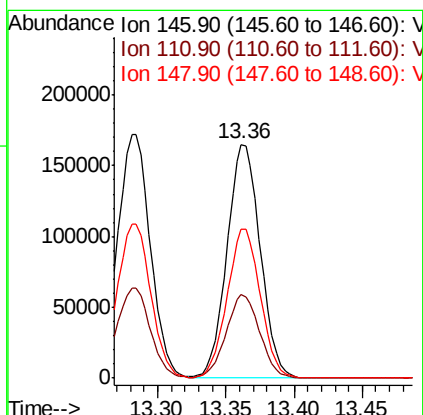
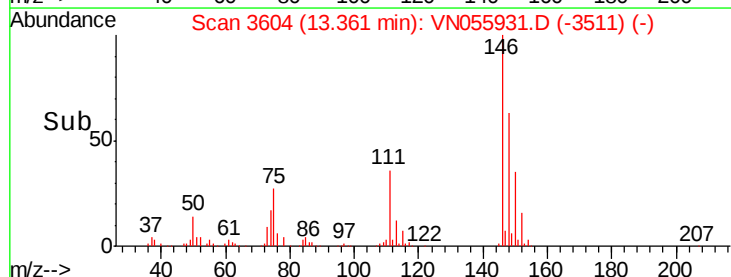
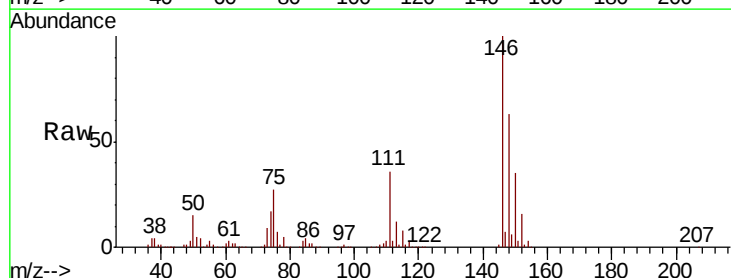
Tgt Ion:146 Resp: 279473

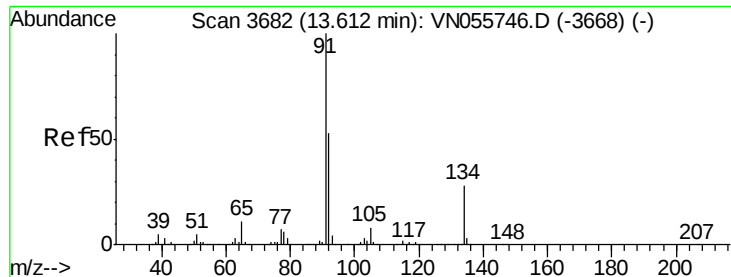
Ion Ratio Lower Upper

146 100

111 36.1 18.1 54.4

148 63.6 32.1 96.5

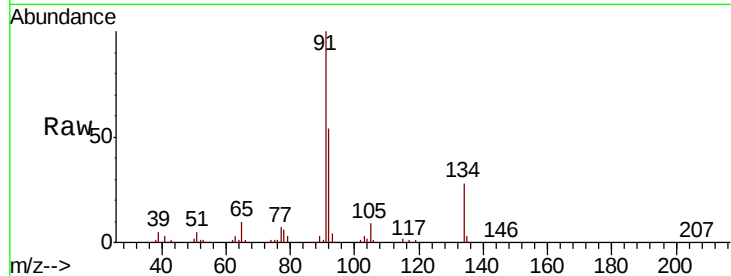




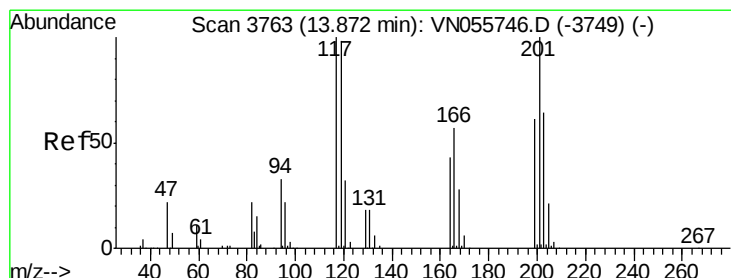
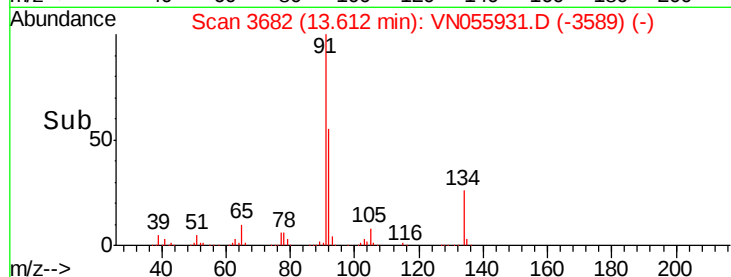
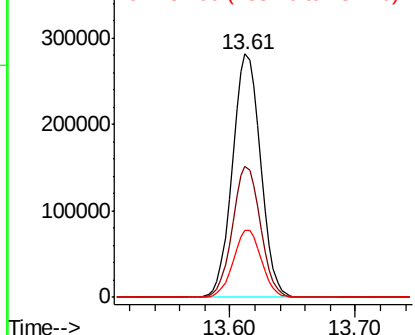
#89
n-Butylbenzene
Concen: 47.169 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 438663
Ion Ratio Lower Upper
91 100
92 53.4 26.4 79.0
134 27.6 13.9 41.7

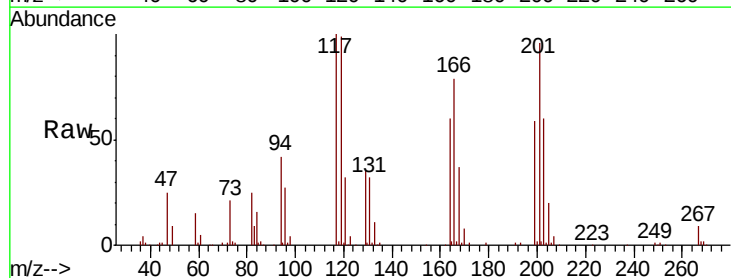


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

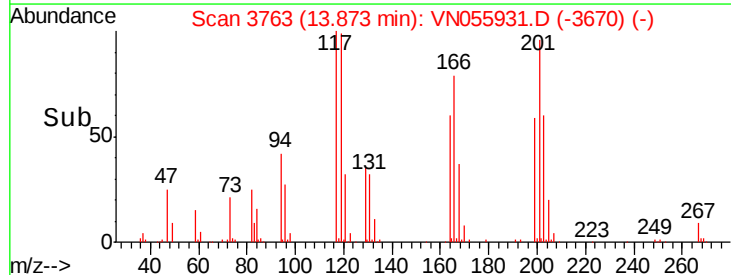
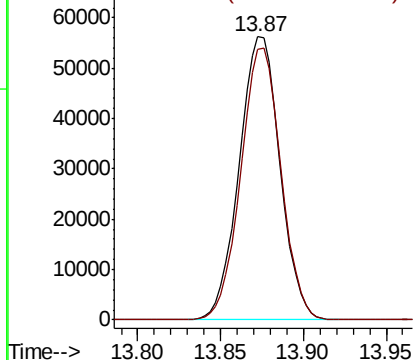


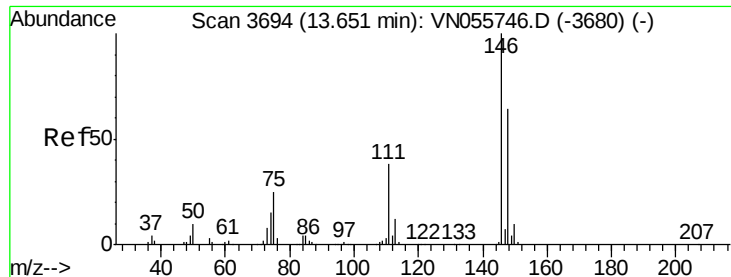
#90
Hexachloroethane
Concen: 41.629 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055931.D
Acq: 31 May 2019 20:09

Tgt Ion: 117 Resp: 96175
Ion Ratio Lower Upper
117 100
201 94.7 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 49.212 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

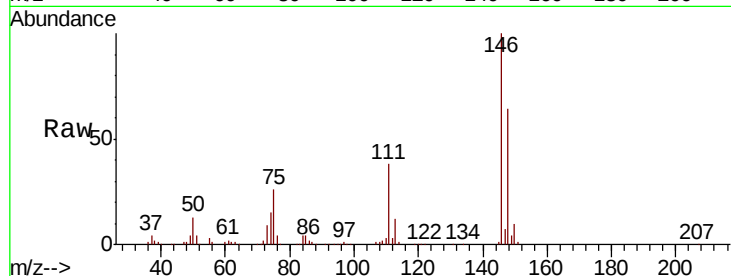
Tot Ion:146 Resp: 289951

Ion Ratio Lower Upper

146 100

111 38.6 19.1 57.5

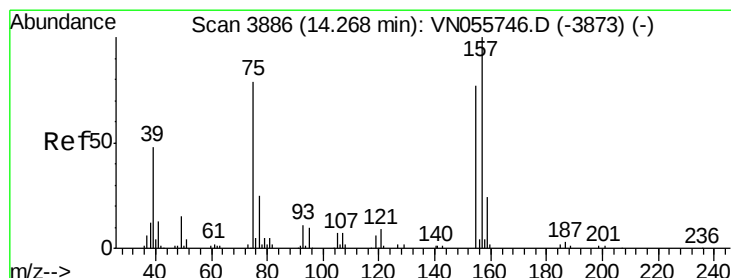
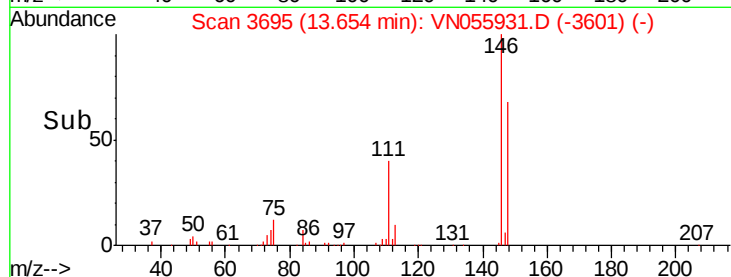
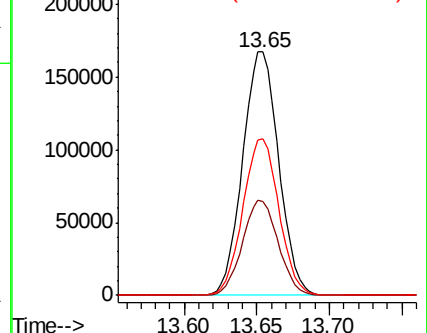
148 64.1 31.9 95.9



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: 45.324 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

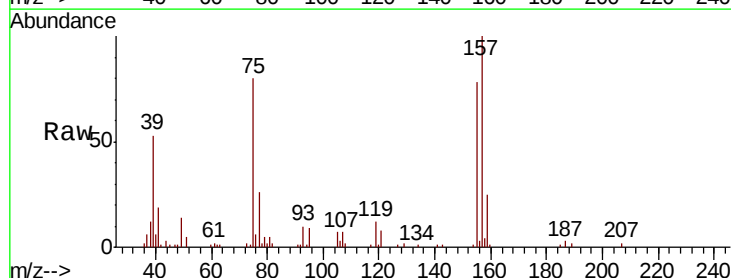
Tgt Ion: 75 Resp: 35100

Ion Ratio Lower Upper

75 100

155 99.5 50.0 150.1

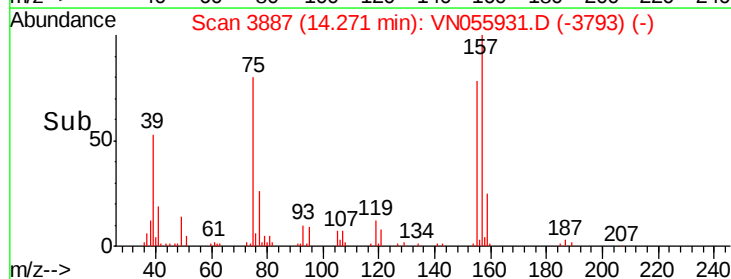
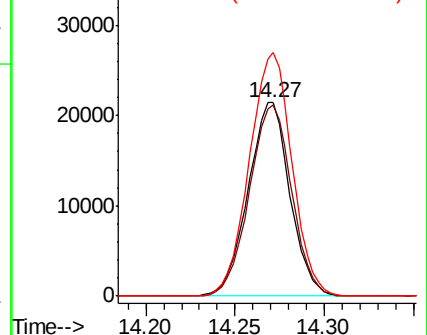
157 127.9 64.8 194.3

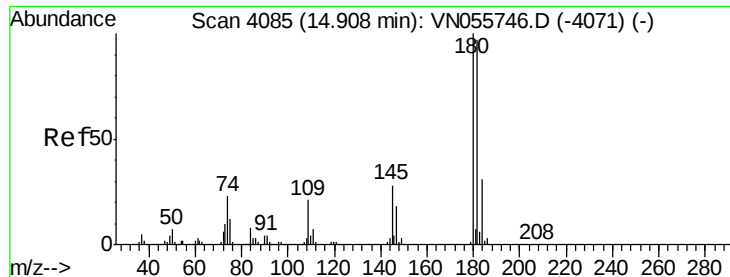


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

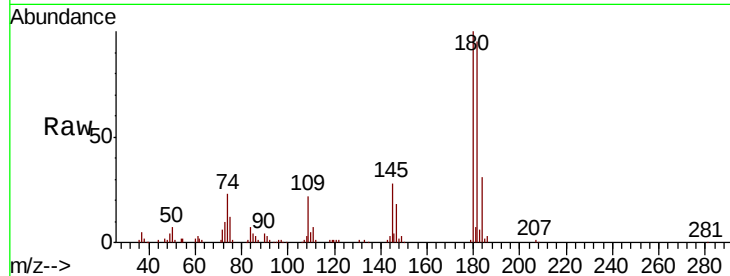




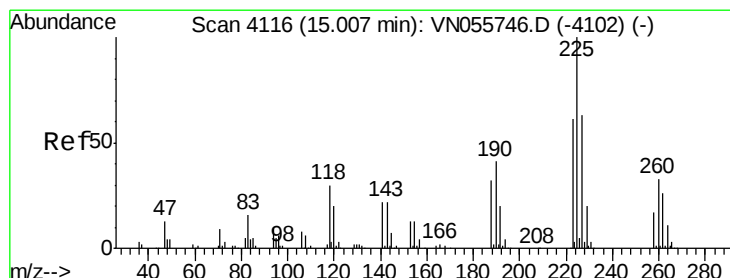
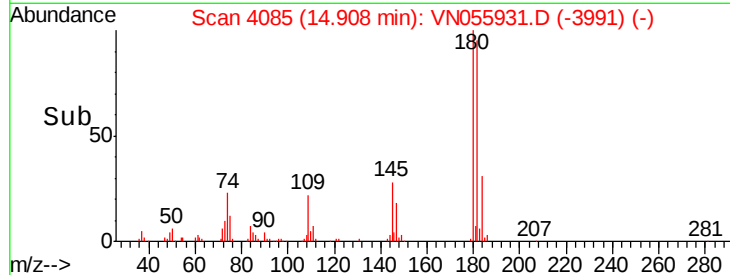
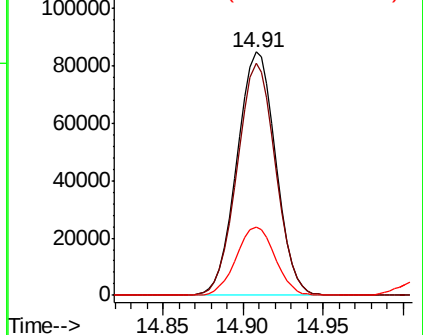
#93
 1,2,4-Trichlorobenzene
 Concen: 41.847 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 139689
 Ion Ratio Lower Upper
 180 100
 182 94.6 48.3 144.9
 145 28.1 14.0 41.9

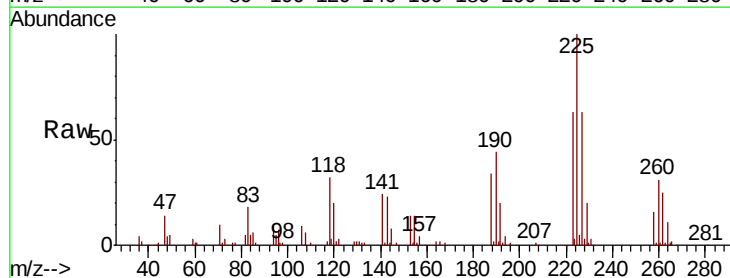


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

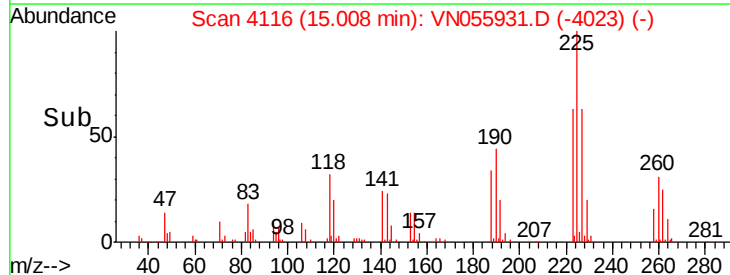
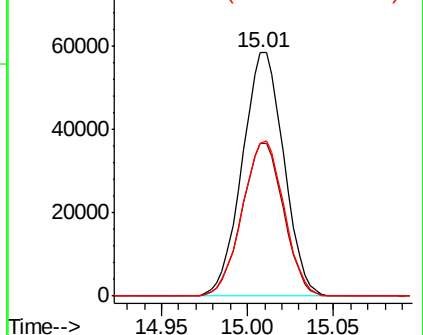


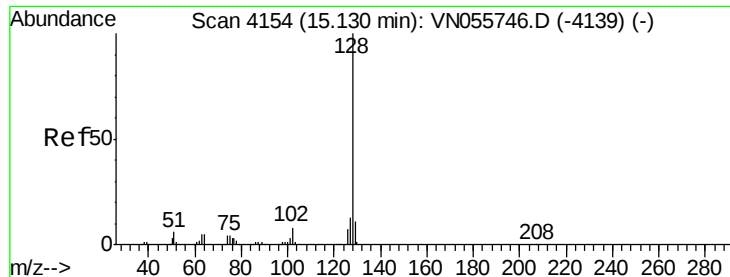
#94
 Hexachlorobutadiene
 Concen: 47.223 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055931.D
 Acq: 31 May 2019 20:09

Tgt Ion:225 Resp: 98129
 Ion Ratio Lower Upper
 225 100
 223 62.7 30.9 92.7
 227 63.9 31.6 94.7



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: 49.310 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

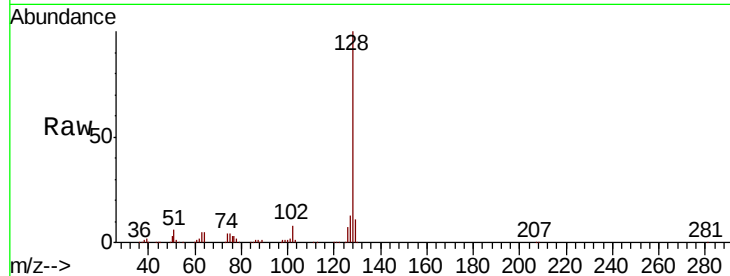
Tot Ion:128 Resp: 398671

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.0 8.7 13.1

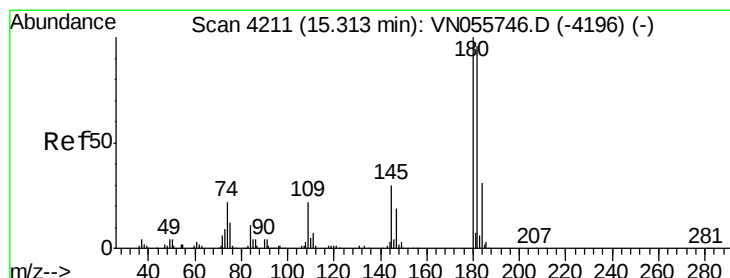
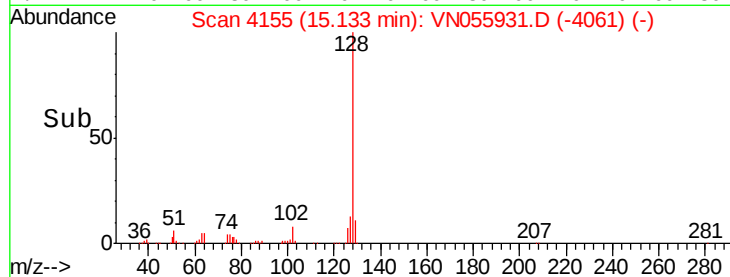
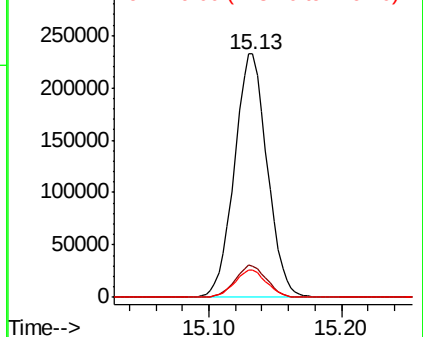


Abundance

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: 49.489 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055931.D

Acq: 31 May 2019 20:09

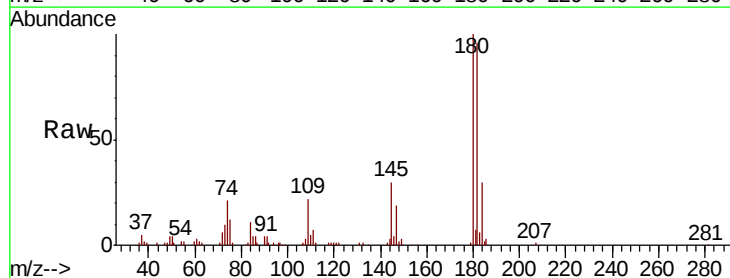
Tgt Ion:180 Resp: 154134

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.7

145 30.4 14.9 44.7



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

