

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057631.D
 Acq On : 31 Aug 2019 22:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 31 23:49:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	189176	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	330125	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	299482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	147005	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	216400	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
35) Dibromofluoromethane	7.58	113	139487	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
50) Toluene-d8	10.09	98	545365	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.40	95	201403	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	159698	52.791	ug/l	99
3) Chloromethane	2.05	50	185274	53.126	ug/l	97
4) Vinyl Chloride	2.18	62	149502	54.731	ug/l	99
5) Bromomethane	2.52	94	75145	43.478	ug/l	95
6) Chloroethane	2.68	64	85208	55.846	ug/l	97
7) Trichlorofluoromethane	3.00	101	204865	53.429	ug/l	99
8) Diethyl Ether	3.40	74	67241	52.997	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	100508	51.705	ug/l	98
10) Methyl Iodide	3.93	142	138521	55.192	ug/l	100
11) Tert butyl alcohol	4.81	59	121382	270.810	ug/l #	89
12) 1,1-Dichloroethene	3.71	96	94940	53.879	ug/l	96
13) Acrolein	3.59	56	45475	255.170	ug/l	100
14) Allyl chloride	4.30	41	276917	50.374	ug/l	98
15) Acrylonitrile	4.98	53	367388	273.160	ug/l	100
16) Acetone	3.81	43	275435	229.979	ug/l	98
17) Carbon Disulfide	4.02	76	298913	52.471	ug/l	99
18) Methyl Acetate	4.31	43	214004	52.040	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	482110	52.883	ug/l	96
20) Methylene Chloride	4.53	84	158761	53.545	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	142755	54.493	ug/l	98
22) Diisopropyl ether	5.94	45	609941	53.975	ug/l	98
23) Vinyl Acetate	5.88	43	2436733	280.571	ug/l	99
24) 1,1-Dichloroethane	5.82	63	304252	53.635	ug/l	99
25) 2-Butanone	6.83	43	522639	261.888	ug/l	97
26) 2,2-Dichloropropane	6.81	77	192613	42.480	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	166826	53.328	ug/l	96
28) Bromochloromethane	7.18	49	155364	51.431	ug/l	100
29) Tetrahydrofuran	7.20	42	342548	273.594	ug/l	99
30) Chloroform	7.36	83	306758	53.305	ug/l	95
31) Cyclohexane	7.64	56	291150	51.426	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	256045	54.240	ug/l	99
36) 1,1-Dichloropropene	7.78	75	220575	50.397	ug/l	100
37) Ethyl Acetate	6.92	43	226574	54.345	ug/l	98
38) Carbon Tetrachloride	7.76	117	205516	52.457	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	261273	50.526	ug/l	98
40) Benzene	8.03	78	649229	50.958	ug/l	98
41) Methacrylonitrile	7.16	41	121528	51.910	ug/l	95
42) 1,2-Dichloroethane	8.11	62	272322	52.625	ug/l	99
43) Isopropyl Acetate	8.16	43	400675	53.417	ug/l	99
44) Trichloroethene	8.82	130	147394	50.998	ug/l	97
45) 1,2-Dichloropropane	9.11	63	181599	51.172	ug/l	99
46) Dibromomethane	9.20	93	112826	51.348	ug/l	99
47) Bromodichloromethane	9.40	83	234193	52.461	ug/l	98
48) Methyl methacrylate	9.19	41	200716	52.412	ug/l	99
49) 1,4-Dioxane	9.20	88	46920	1046.290	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1168311	271.758	ug/l	99
52) Toluene	10.15	92	392314	52.100	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	232210	46.782	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	255990	46.849	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	150810	52.787	ug/l	97
56) Ethyl methacrylate	10.43	69	249493	52.330	ug/l	100
57) 1,3-Dichloropropane	10.70	76	270296	51.567	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.69	63	337994	242.315	ug/l	99
59) 2-Hexanone	10.75	43	819232	259.492	ug/l	98
60) Dibromochloromethane	10.90	129	146843	47.106	ug/l	99
61) 1,2-Dibromoethane	11.00	107	152073	52.863	ug/l	99
64) Tetrachloroethene	10.63	164	137342	52.963	ug/l	99
65) Chlorobenzene	11.43	112	389368	51.885	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	138045	52.744	ug/l	98
67) Ethyl Benzene	11.51	91	782067	53.636	ug/l	100
68) m/p-Xylenes	11.62	106	538912	104.911	ug/l	98
69) o-Xylene	11.95	106	259965	52.220	ug/l	99
70) Styrene	11.96	104	443347	49.509	ug/l	100
71) Bromoform	12.13	173	85928	44.899	ug/l #	99
73) Isopropylbenzene	12.25	105	741331	49.948	ug/l	98
74) N-amyl acetate	12.07	43	343282	49.009	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	206180	47.133	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	262179	67.801	ug/l #	100
77) Bromobenzene	12.53	156	157008	49.702	ug/l	98
78) n-propylbenzene	12.59	91	845709	51.194	ug/l	99
79) 2-Chlorotoluene	12.68	91	503568	48.886	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	615255	50.388	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	50384	44.663	ug/l	96
82) 4-Chlorotoluene	12.77	91	501264	49.161	ug/l	100
83) tert-Butylbenzene	12.99	119	507810	49.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	596845	50.524	ug/l	99
85) sec-Butylbenzene	13.17	105	688921	49.436	ug/l	100
86) p-Isopropyltoluene	13.29	119	583468	50.627	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	251723	48.913	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	242116	48.704	ug/l	99
89) n-Butylbenzene	13.62	91	510042	47.225	ug/l	99
90) Hexachloroethane	13.88	117	93943	46.952	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	247099	50.316	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33650	49.958	ug/l	95

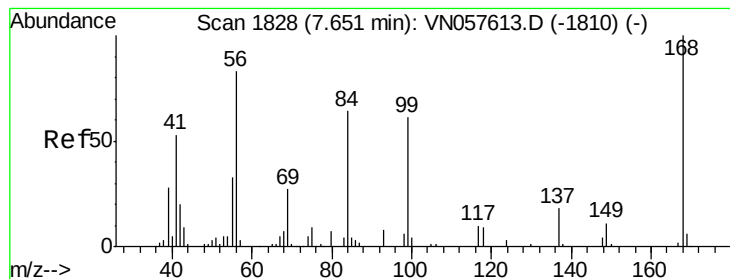
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	85234	41.649	ug/l	97
94) Hexachlorobutadiene	15.01	225	75198	44.621	ug/l	97
95) Naphthalene	15.13	128	264383	43.086	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	81377	39.999	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

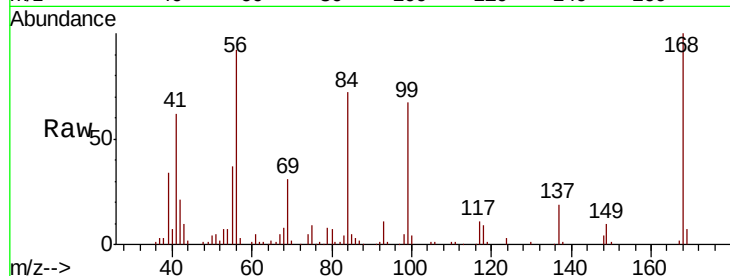
ClientSampleId :

Tot Ion:168 Resp: 189176

Ion Ratio Lower Upper

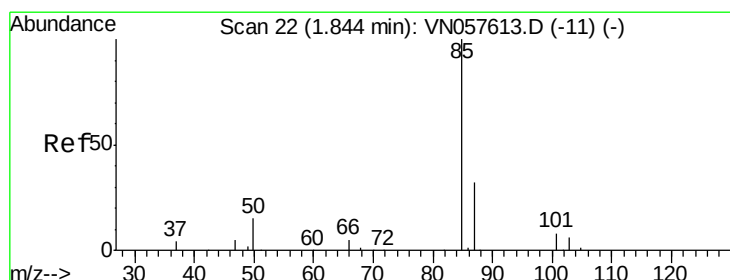
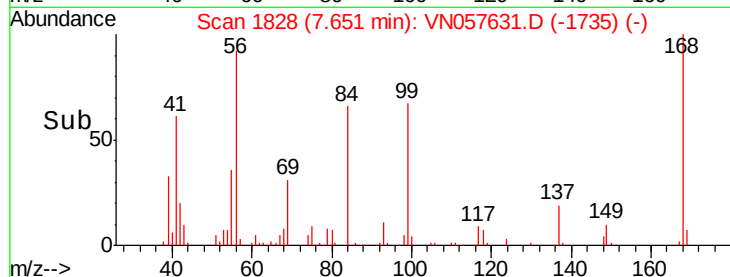
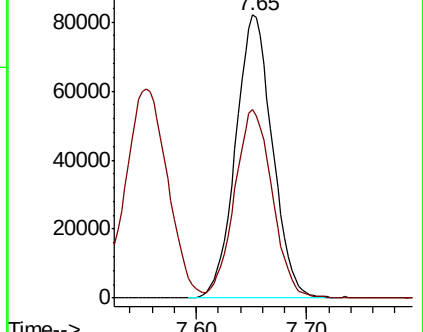
168 100

99 66.7 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN057613.D (-1810) (-)

Ion 98.90 (98.60 to 99.60): VN057613.D (-1810) (-)



#2

Dichlorodifluoromethane

Concen: 52.791 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057631.D

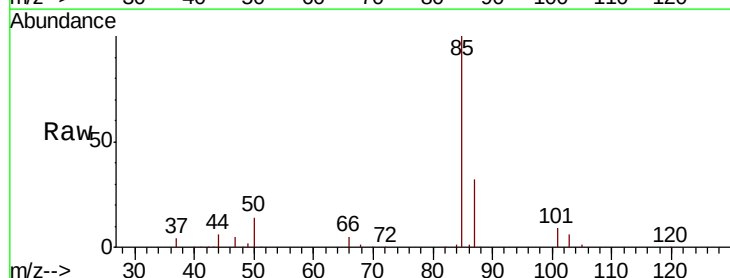
Acq: 31 Aug 2019 22:30

Tgt Ion: 85 Resp: 159698

Ion Ratio Lower Upper

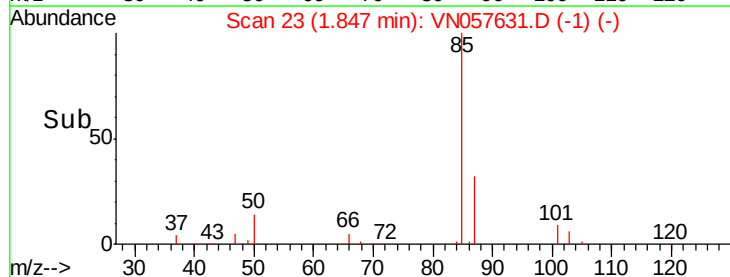
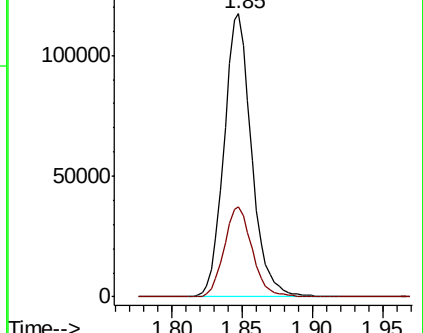
85 100

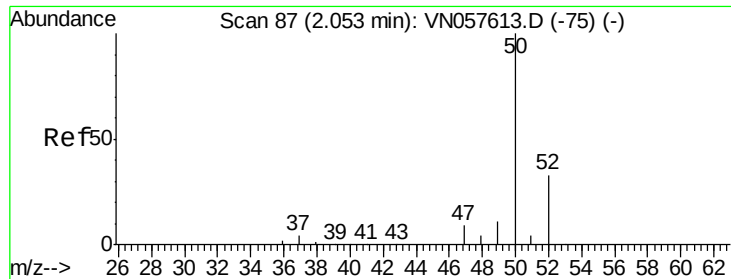
87 31.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN057613.D (-11) (-)

Ion 86.90 (86.60 to 87.60): VN057613.D (-11) (-)





#3

Chloromethane

Concen: 53.126 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

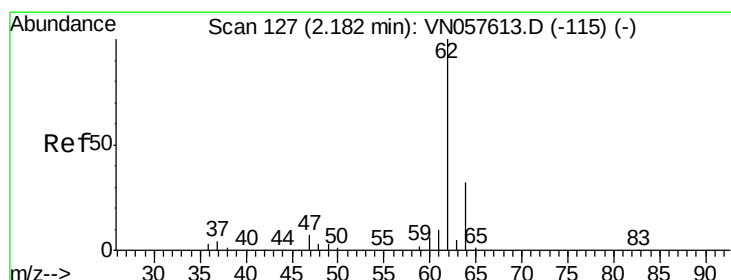
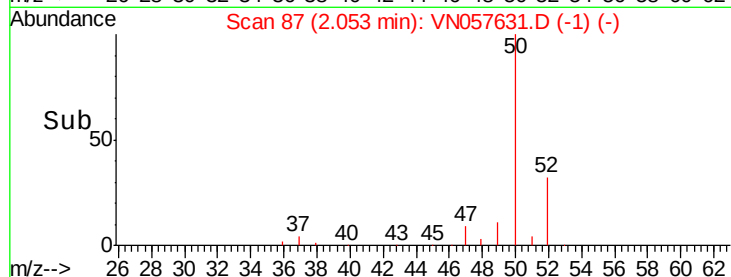
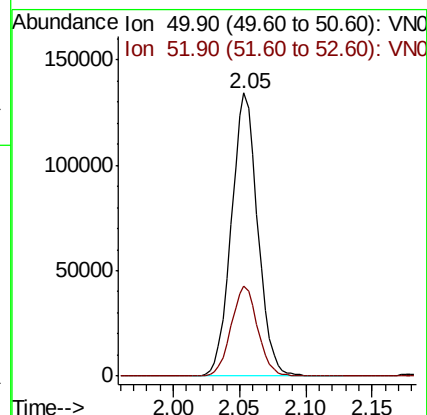
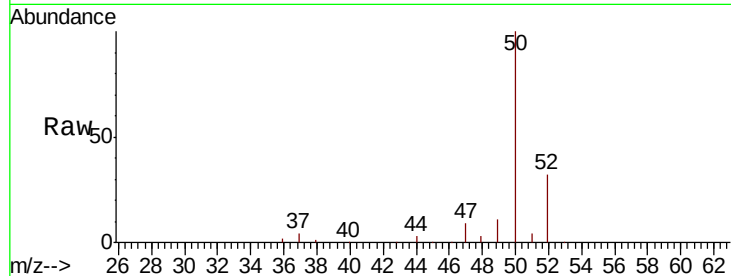
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 185274

Ion Ratio Lower Upper

50 100

52 31.6 26.7 40.1



#4

Vinyl Chloride

Concen: 54.731 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057631.D

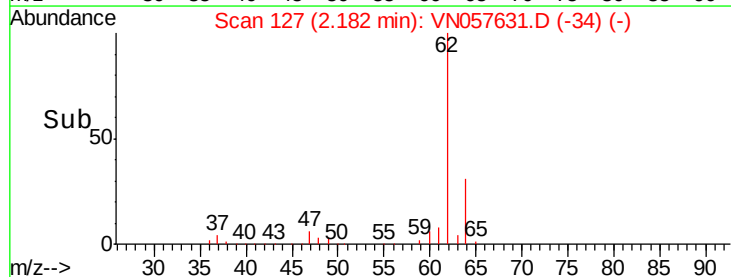
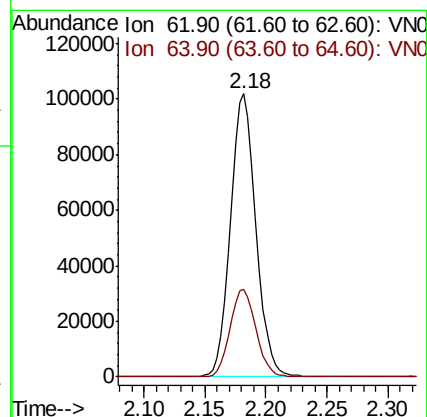
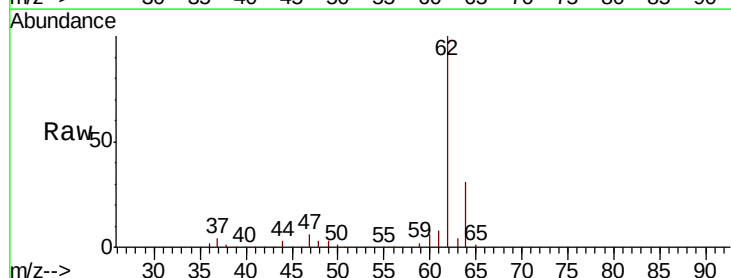
Acq: 31 Aug 2019 22:30

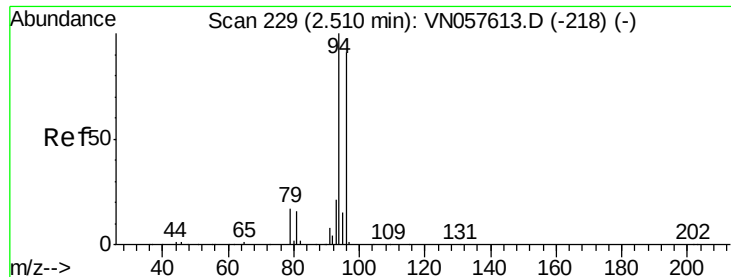
Tgt Ion: 62 Resp: 149502

Ion Ratio Lower Upper

62 100

64 30.8 25.2 37.8





#5

Bromomethane

Concen: 43.478 ug/l

RT: 2.52 min Scan# 232

Delta R.T. 0.01 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

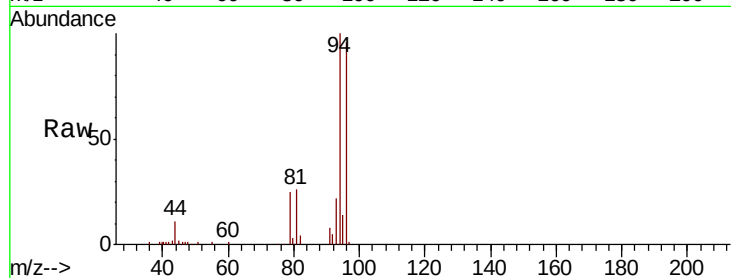
ClientSampleId :

Tot Ion: 94 Resp: 75145

Ion Ratio Lower Upper

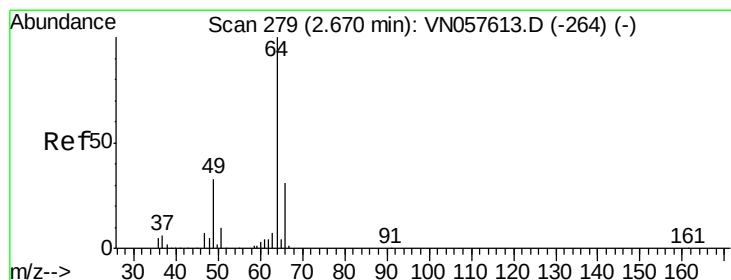
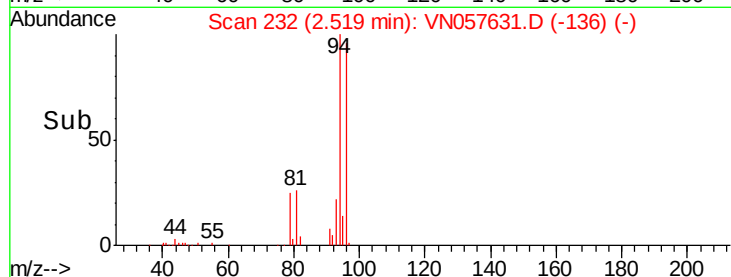
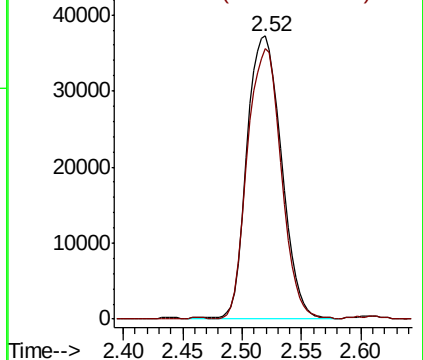
94 100

96 95.8 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 55.846 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.01 min

Lab File: VN057631.D

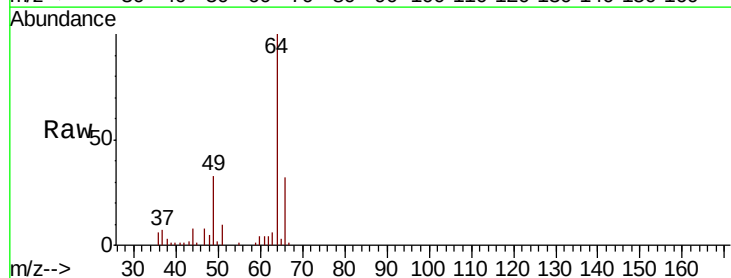
Acq: 31 Aug 2019 22:30

Tgt Ion: 64 Resp: 85208

Ion Ratio Lower Upper

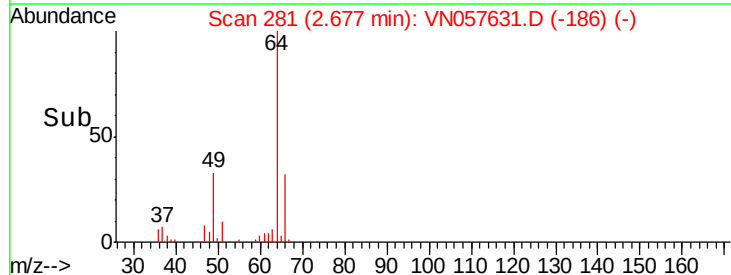
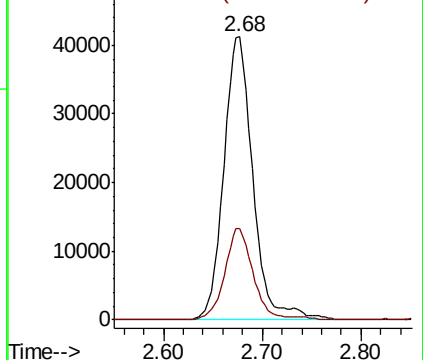
64 100

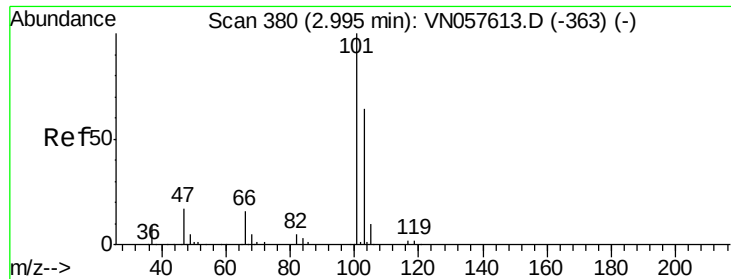
66 32.5 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



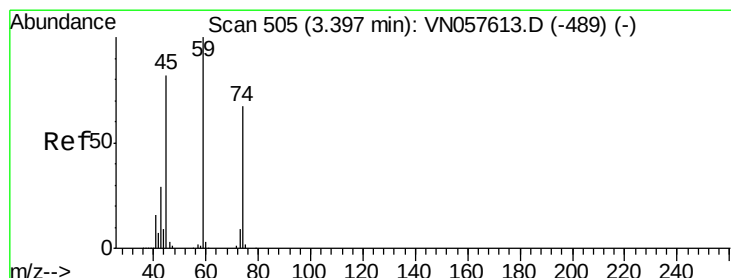
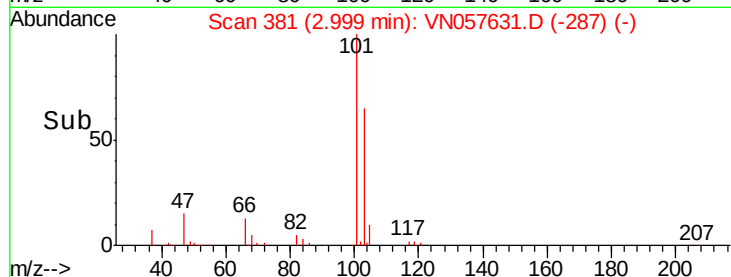
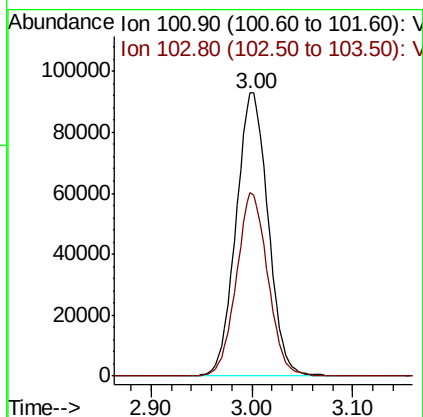
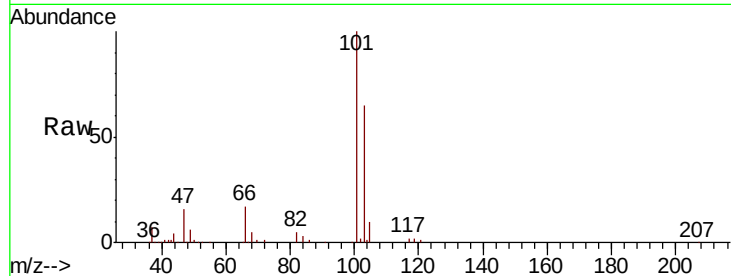


#7

Trichlorofluoromethane
 Concen: 53.429 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Instrument :
 MSVOA_N
 ClientSampled :

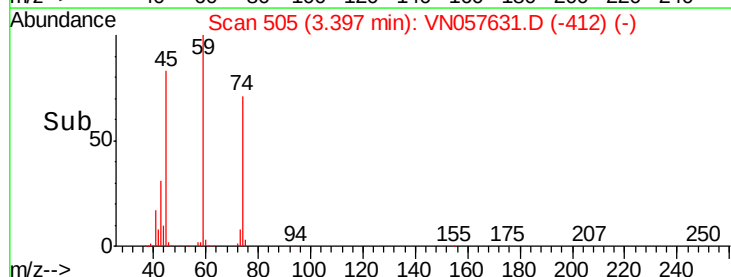
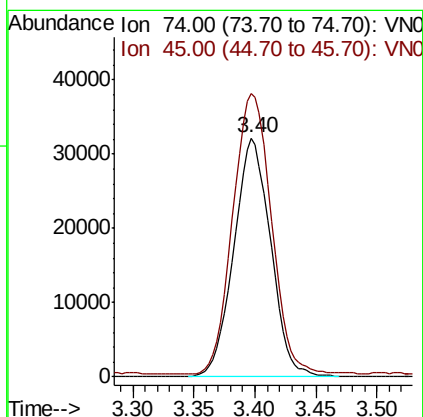
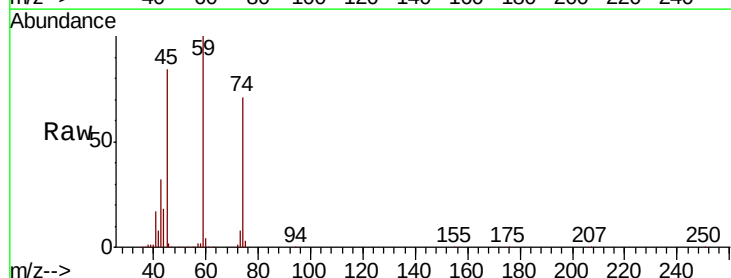
Tot Ion:101 Resp: 204865
 Ion Ratio Lower Upper
 101 100
 103 64.7 51.3 76.9

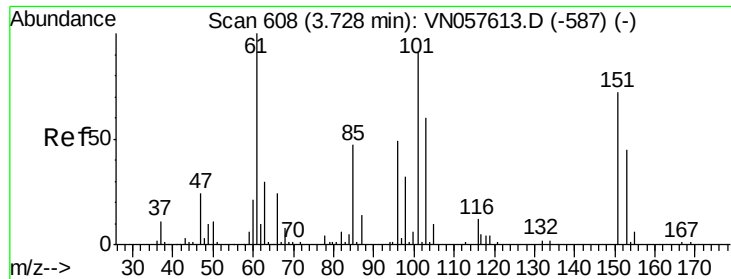


#8

Diethyl Ether
 Concen: 52.997 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion: 74 Resp: 67241
 Ion Ratio Lower Upper
 74 100
 45 123.1 61.9 185.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.705 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.01 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampleId :

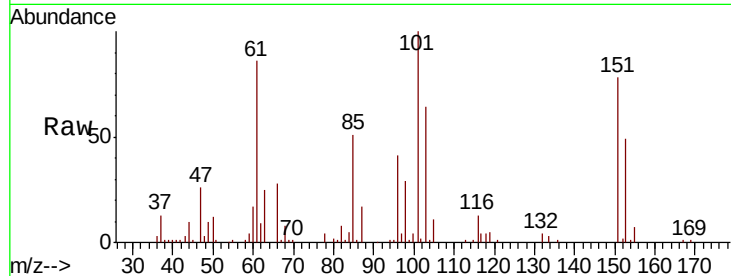
Tot Ion:101 Resp: 100508

Ion Ratio Lower Upper

101 100

85 50.3 42.1 63.1

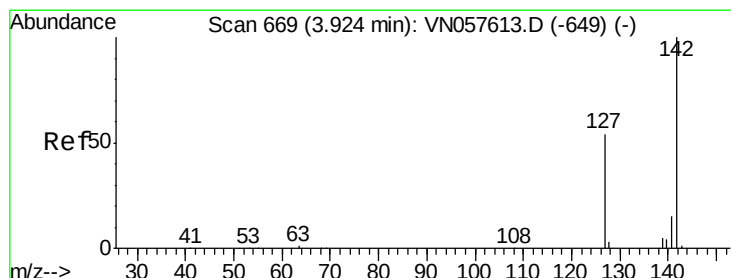
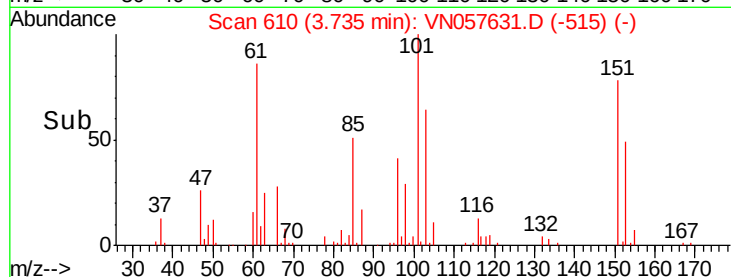
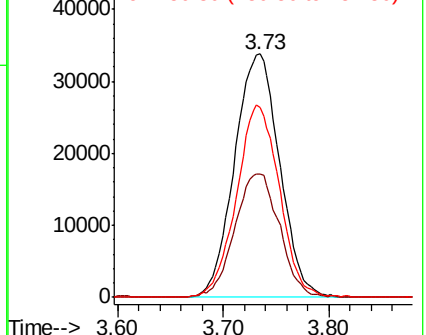
151 75.0 60.2 90.4



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: 55.192 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

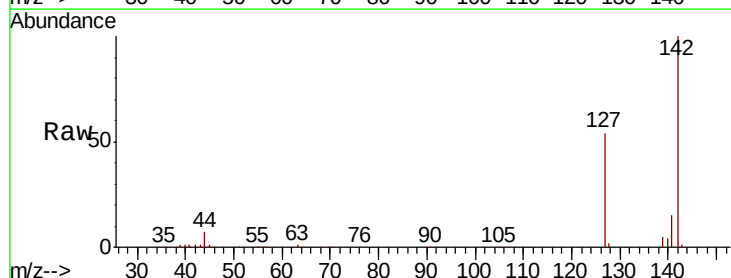
Tgt Ion:142 Resp: 138521

Ion Ratio Lower Upper

142 100

127 53.6 43.0 64.6

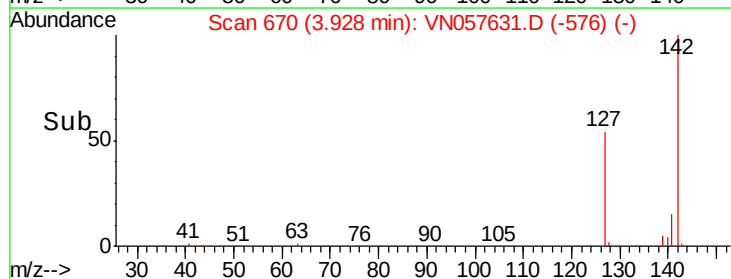
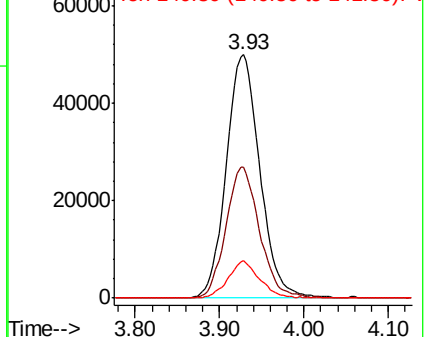
141 14.3 11.4 17.2

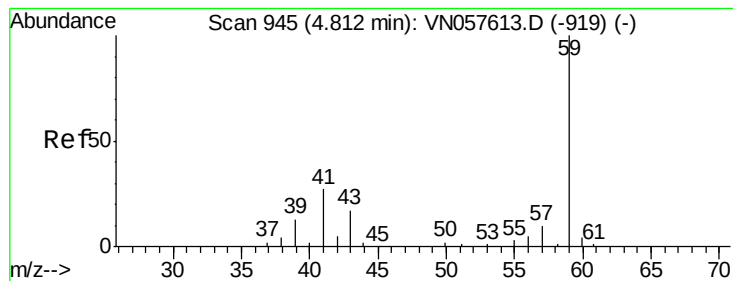


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



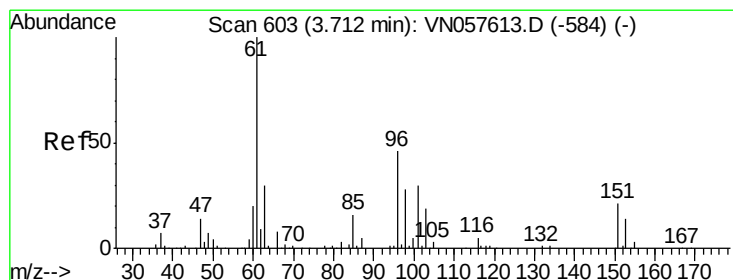
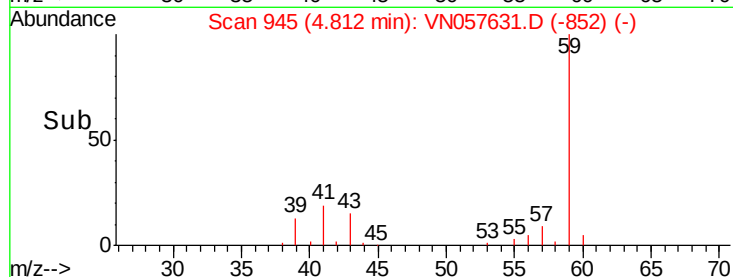
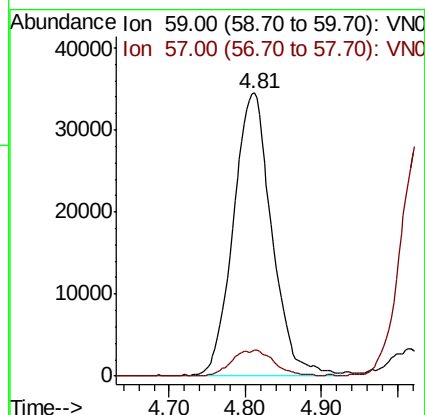
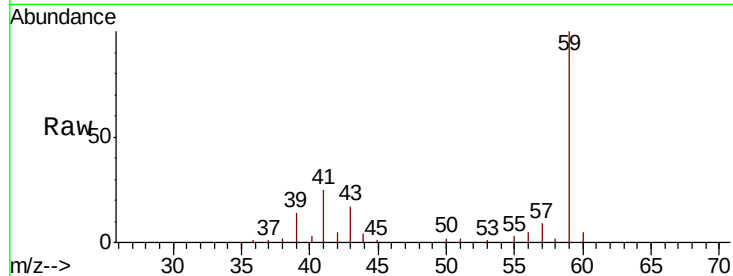


#11

Tert butyl alcohol
 Concen: 270.810 ug/l
 RT: 4.81 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Instrument :
 MSVOA_N
 ClientSampleId :

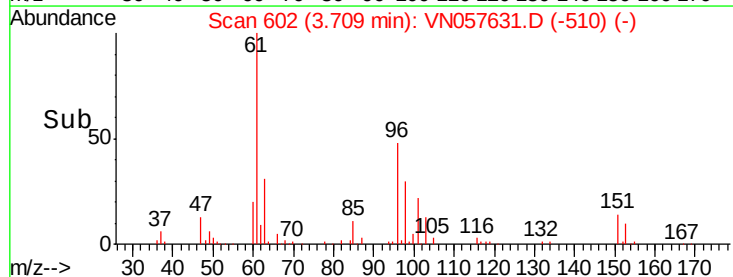
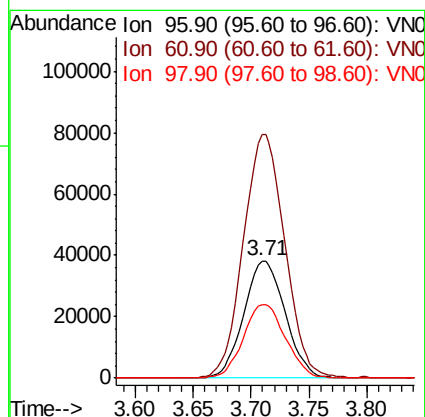
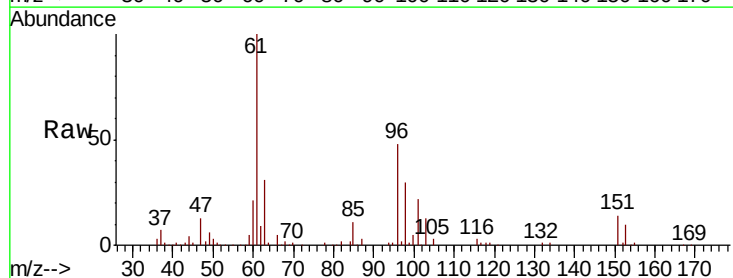
Tot Ion: 59 Resp: 121382
 Ion Ratio Lower Upper
 59 100
 57 10.0 5.0 7.6#

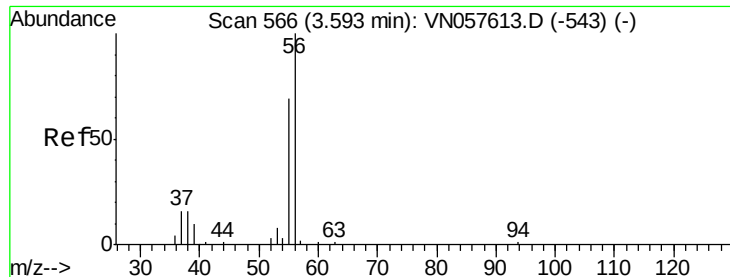


#12

1,1-Dichloroethene
 Concen: 53.879 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion: 96 Resp: 94940
 Ion Ratio Lower Upper
 96 100
 61 208.0 172.1 258.1
 98 63.0 48.3 72.5

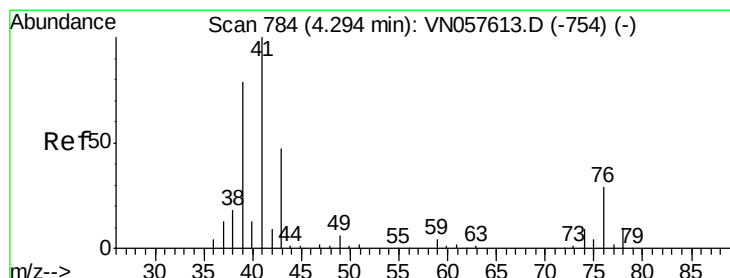
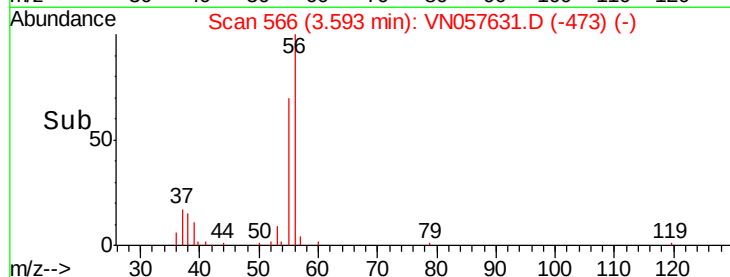
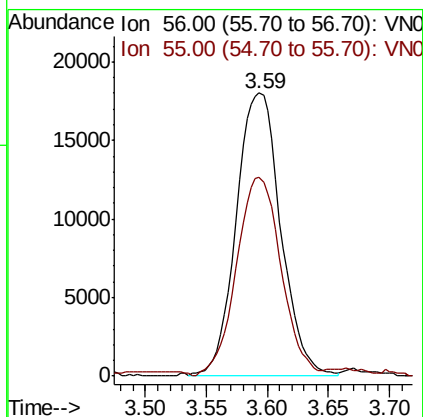
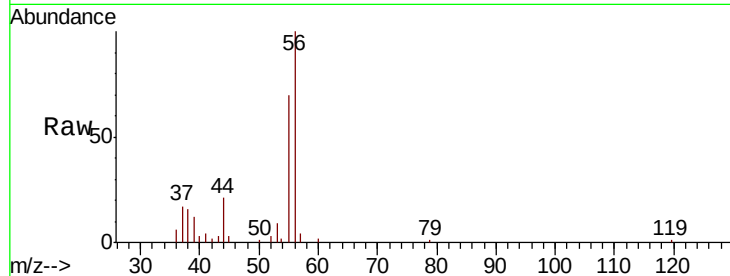




#13
Acrolein
Concen: 255.170 ug/l
RT: 3.59 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

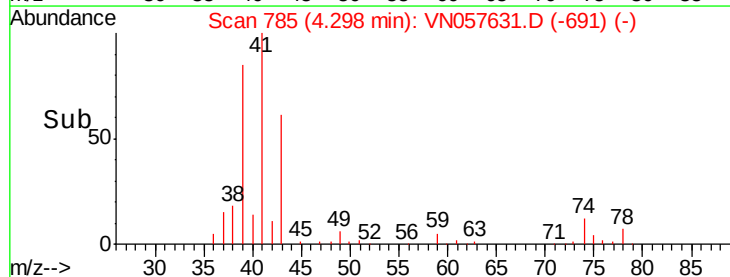
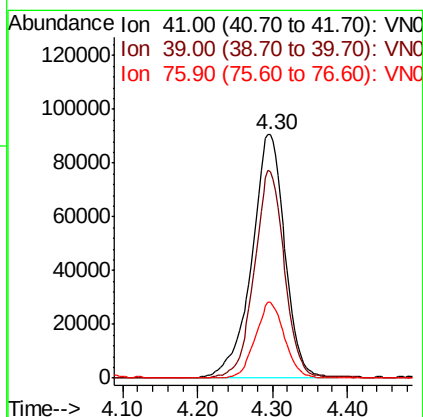
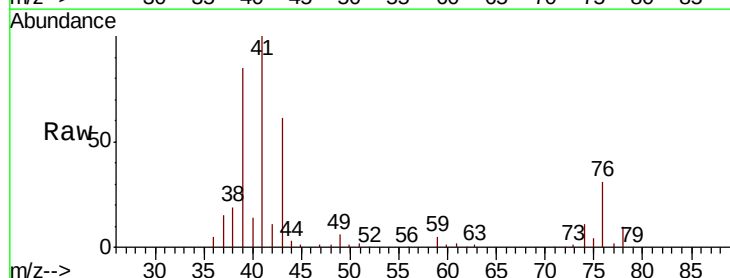
Instrument :
MSVOA_N
ClientSampleId :

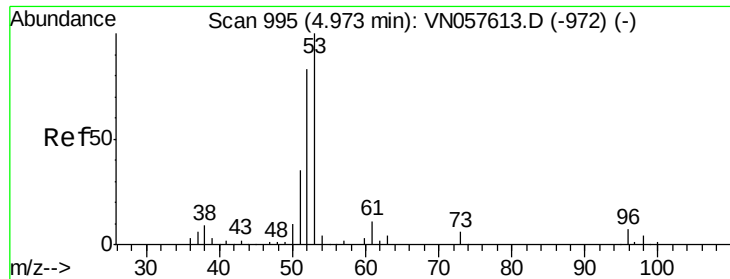
Tot Ion: 56 Resp: 45475
Ion Ratio Lower Upper
56 100
55 70.6 56.5 84.7



#14
Allyl chloride
Concen: 50.374 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 41 Resp: 276917
Ion Ratio Lower Upper
41 100
39 78.2 60.9 91.3
76 27.7 21.1 31.7





#15

Acrylonitrile

Concen: 273.160 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampleId :

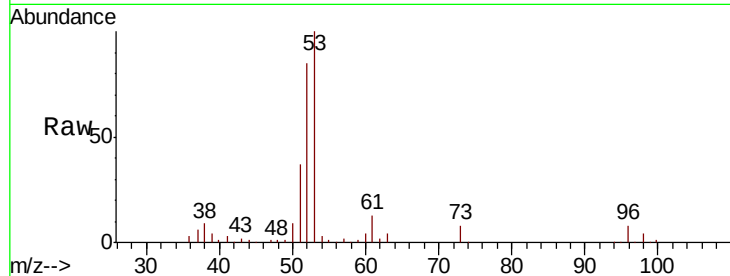
Tot Ion: 53 Resp: 367388

Ion Ratio Lower Upper

53 100

52 83.6 67.1 100.7

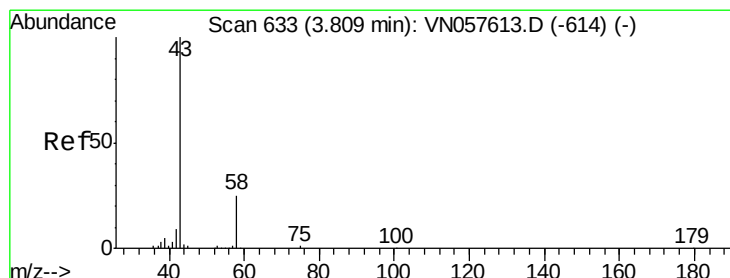
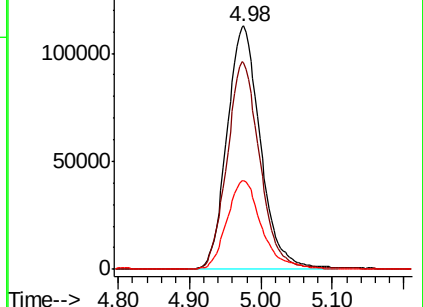
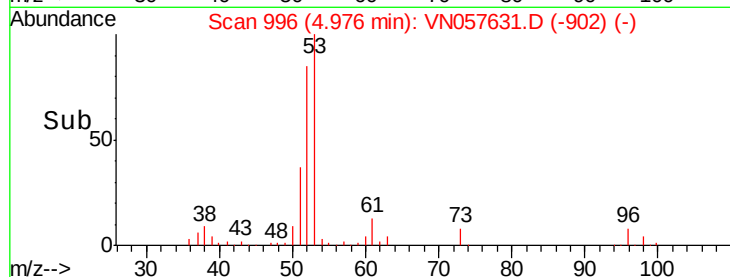
51 38.1 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VN057631.D (-996) (-)

Ion 52.00 (51.70 to 52.70): VN057631.D (-996) (-)

Ion 51.00 (50.70 to 51.70): VN057631.D (-996) (-)



#16

Acetone

Concen: 229.979 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057631.D

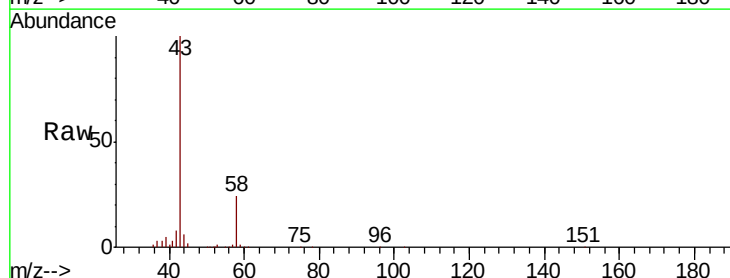
Acq: 31 Aug 2019 22:30

Tgt Ion: 43 Resp: 275435

Ion Ratio Lower Upper

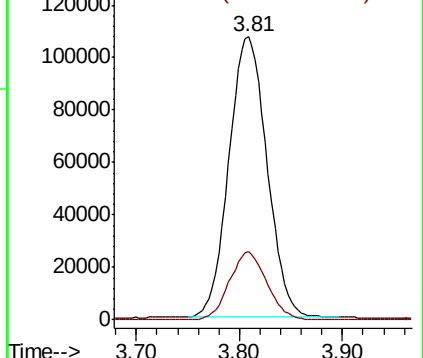
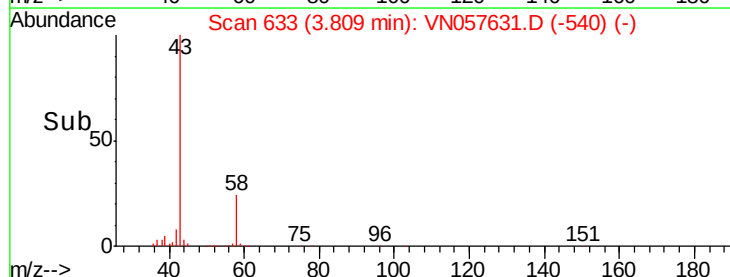
43 100

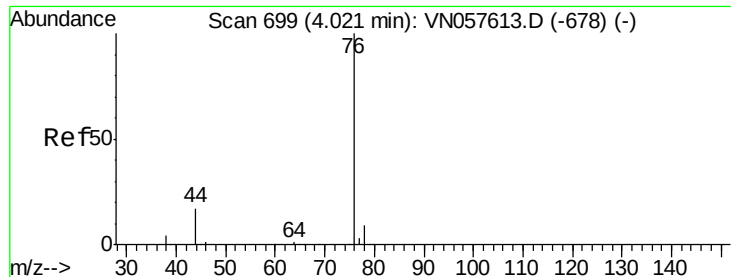
58 24.2 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN057631.D (-633) (-)

Ion 58.00 (57.70 to 58.70): VN057631.D (-633) (-)

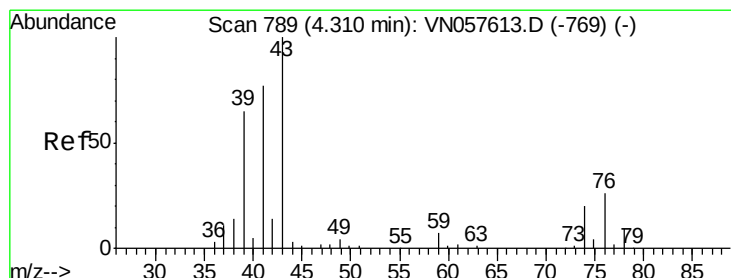
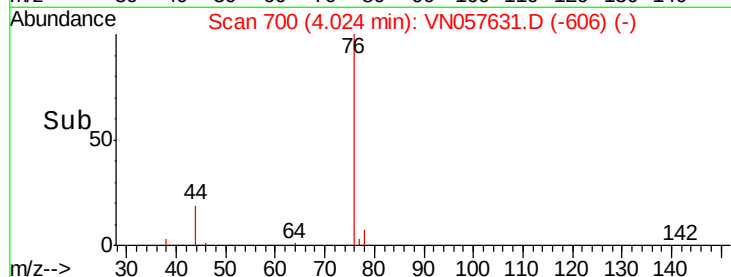
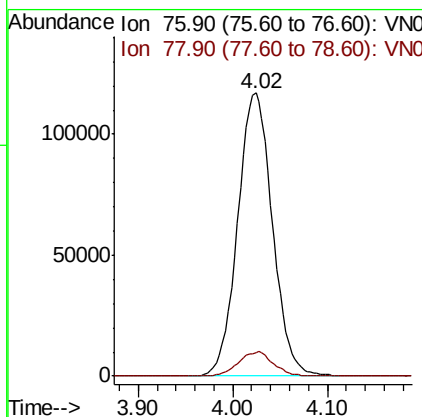
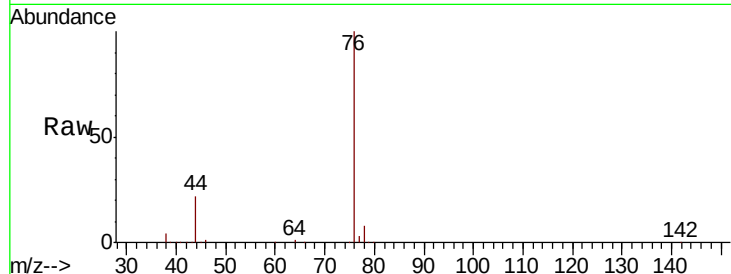




#17
Carbon Disulfide
Concen: 52.471 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

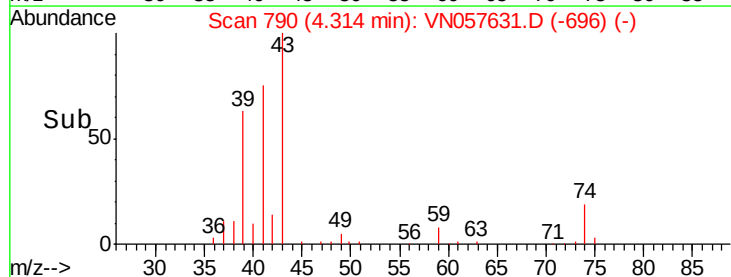
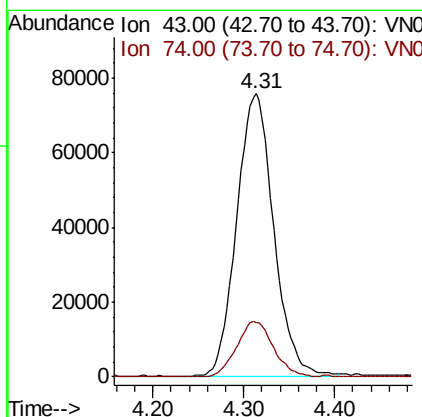
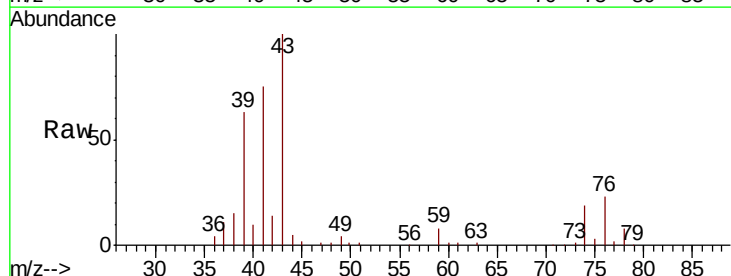
Instrument :
MSVOA_N
ClientSampled :

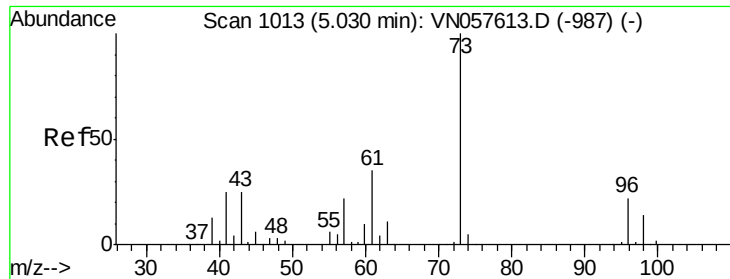
Tot Ion: 76 Resp: 298913
Ion Ratio Lower Upper
76 100
78 8.4 6.9 10.3



#18
Methyl Acetate
Concen: 52.040 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 43 Resp: 214004
Ion Ratio Lower Upper
43 100
74 19.5 15.7 23.5

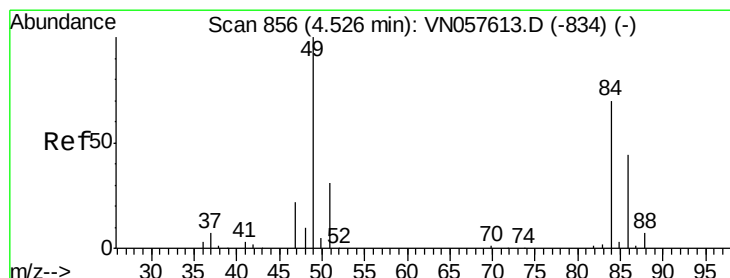
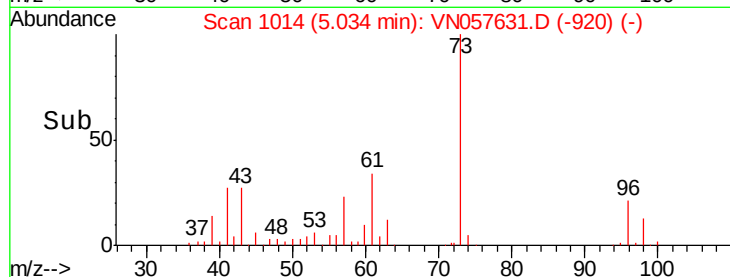
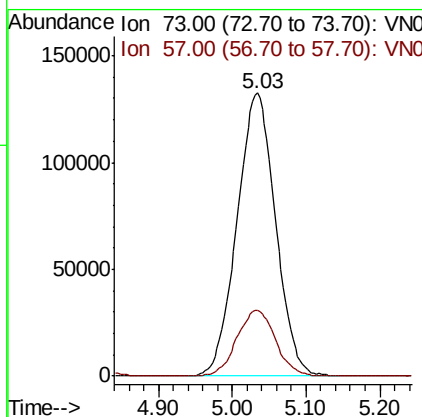
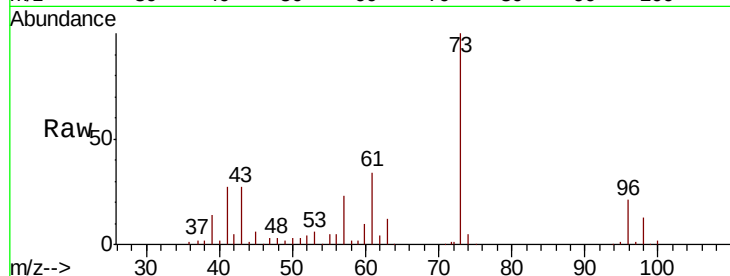




#19
Methyl tert-butyl Ether
Concen: 52.883 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

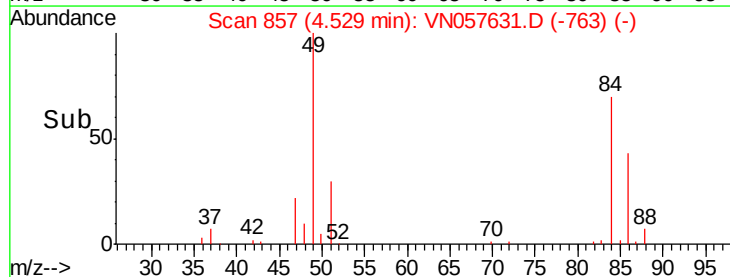
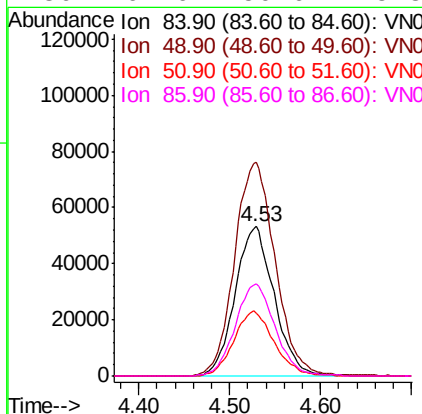
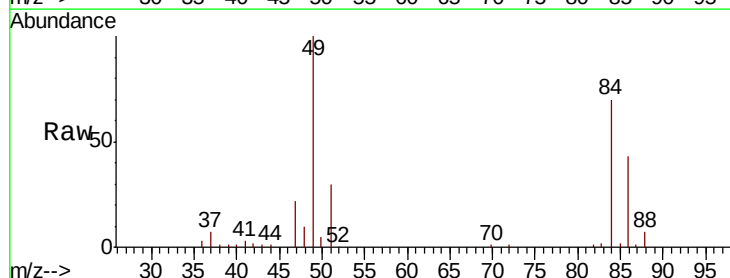
Instrument :
MSVOA_N
ClientSampled :

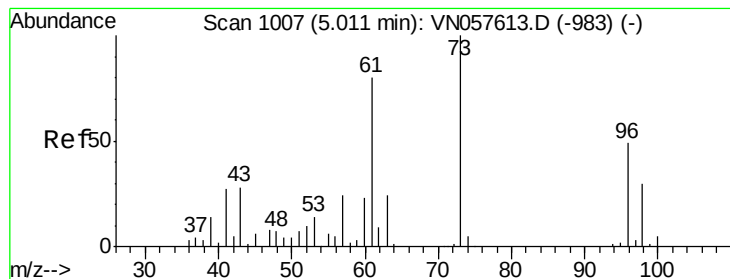
Tot Ion: 73 Resp: 482110
Ion Ratio Lower Upper
73 100
57 23.3 17.3 25.9



#20
Methylene Chloride
Concen: 53.545 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 84 Resp: 158761
Ion Ratio Lower Upper
84 100
49 142.6 113.8 170.6
51 42.4 35.0 52.6
86 61.6 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 54.493 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampled :

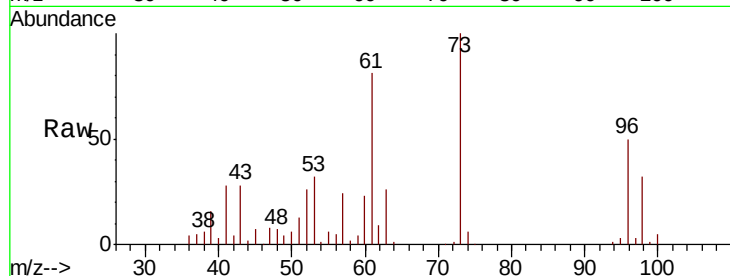
Tot Ion: 96 Resp: 142755

Ion Ratio Lower Upper

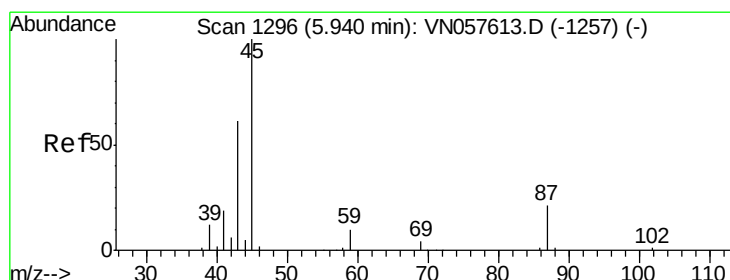
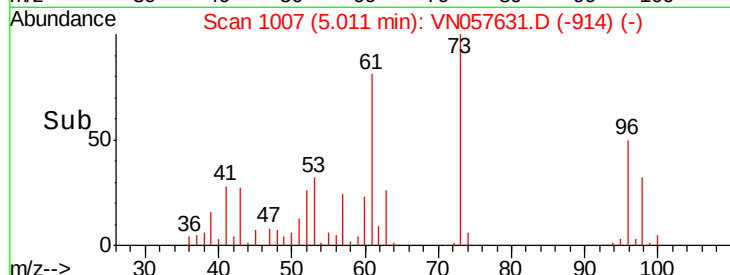
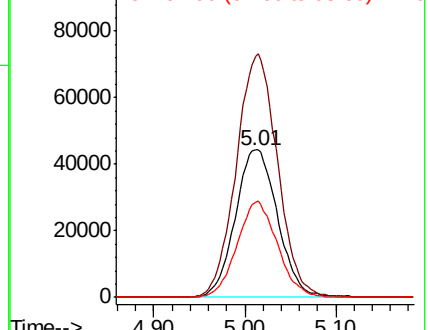
96 100

61 163.2 131.6 197.4

98 64.8 49.9 74.9



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



#22

Diisopropyl ether

Concen: 53.975 ug/l

RT: 5.94 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Tgt Ion: 45 Resp: 609941

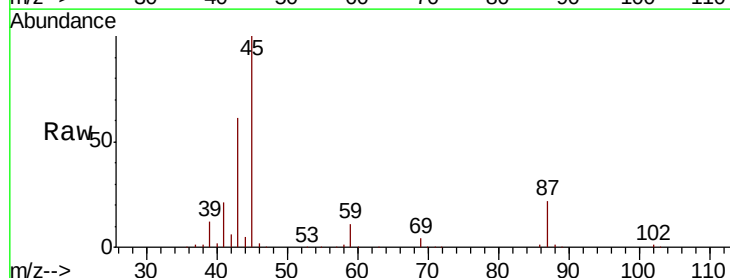
Ion Ratio Lower Upper

45 100

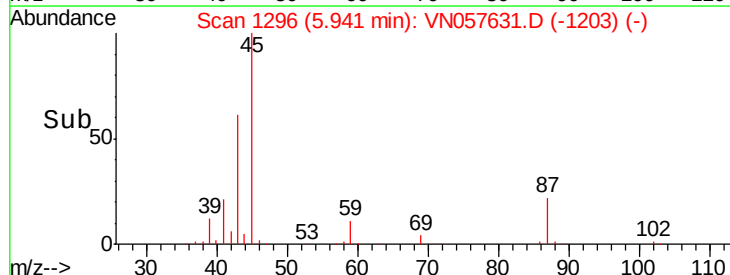
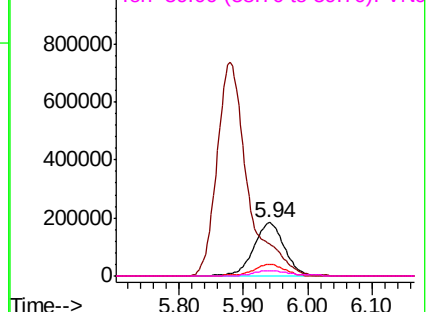
43 59.8 49.1 73.7

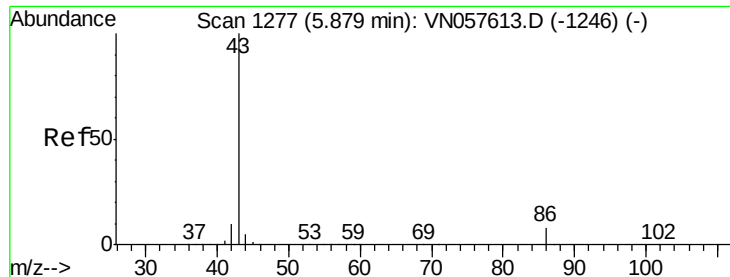
87 22.3 17.0 25.6

59 10.5 8.2 12.2



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





#23

Vinyl Acetate

Concen: 280.571 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

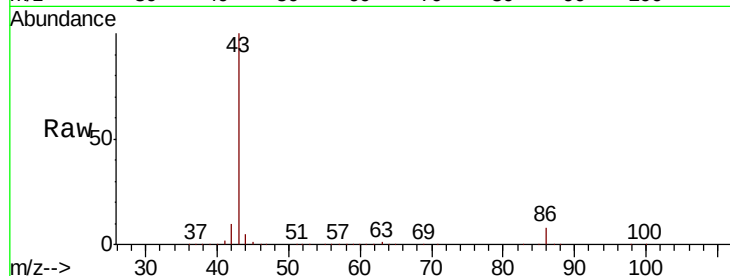
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 2436733

Ion Ratio Lower Upper

43 100

86 7.9 6.1 9.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

800000

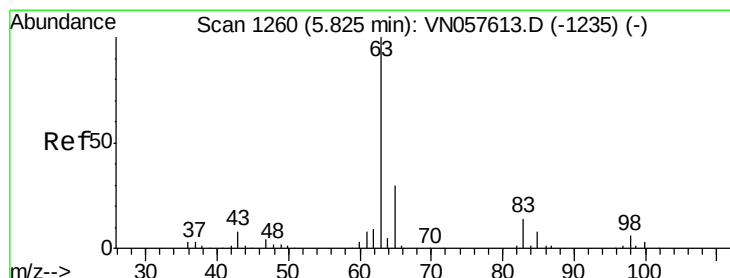
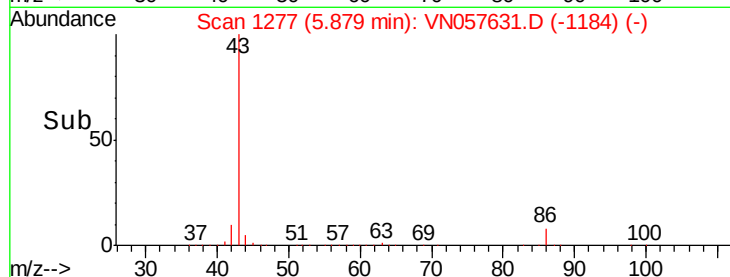
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.635 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

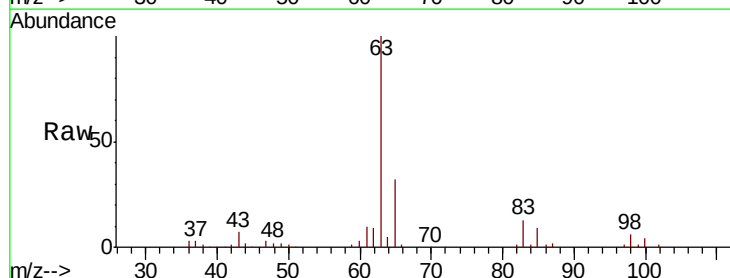
Tgt Ion: 63 Resp: 304252

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.6 1.5 4.5



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

120000

100000

80000

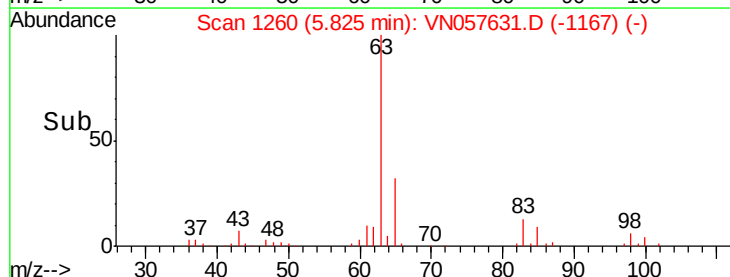
60000

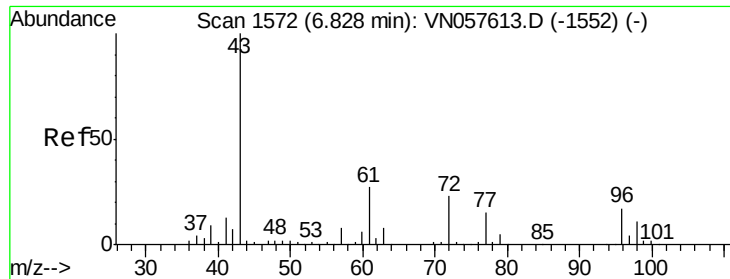
40000

20000

0

Time-->





#25

2-Butanone

Concen: 261.888 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

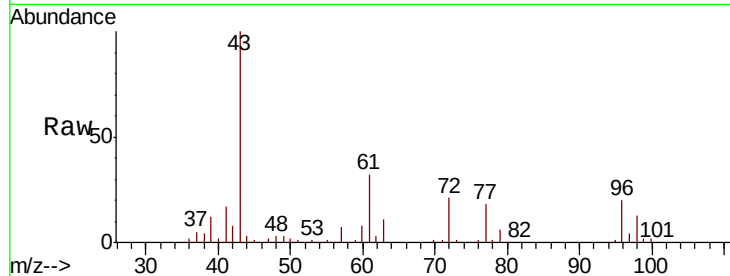
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 522639

Ion Ratio Lower Upper

43 100

72 21.4 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.83

200000

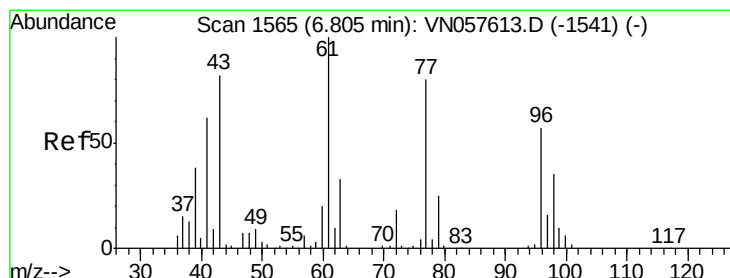
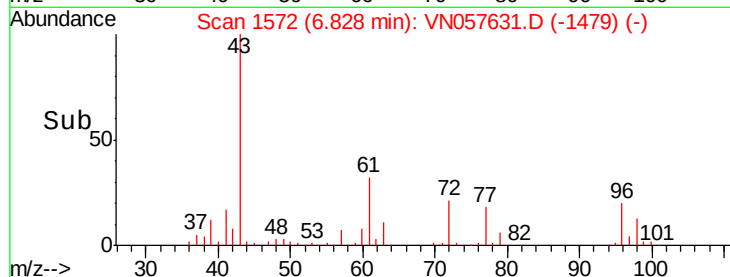
150000

100000

50000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 42.480 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057631.D

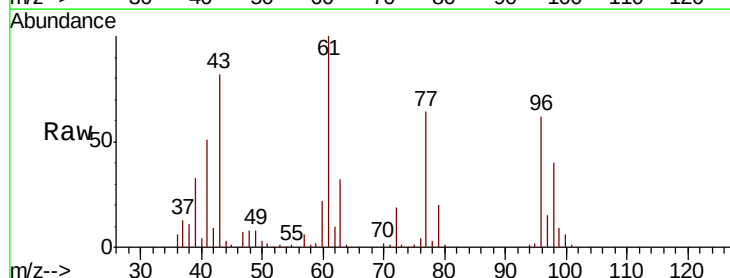
Acq: 31 Aug 2019 22:30

Tgt Ion: 77 Resp: 192613

Ion Ratio Lower Upper

77 100

97 22.4 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.81

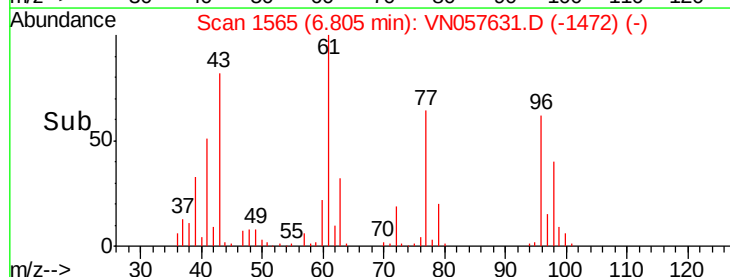
60000

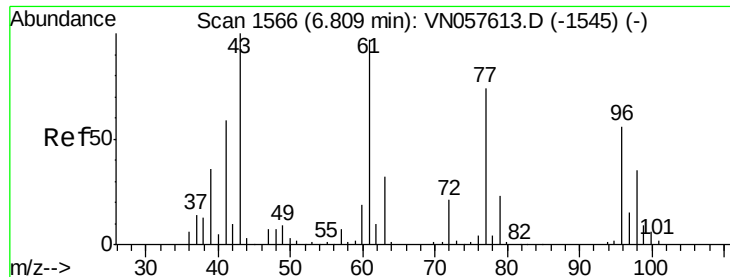
40000

20000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 53.328 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampled :

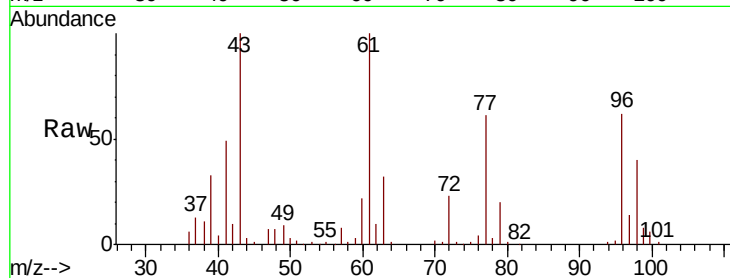
Tot Ion: 96 Resp: 166826

Ion Ratio Lower Upper

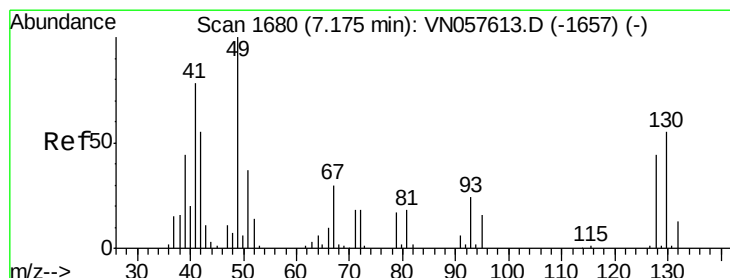
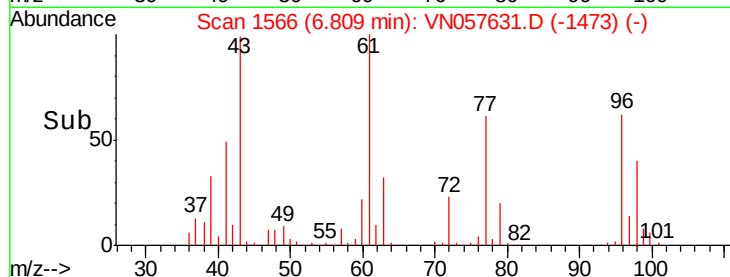
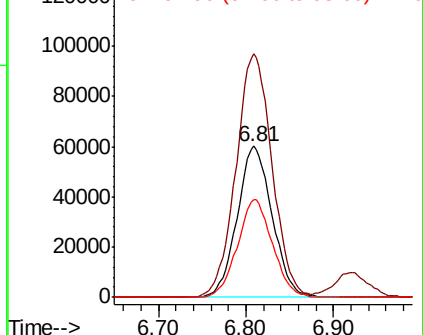
96 100

61 166.2 0.0 344.6

98 64.8 0.0 124.8



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



#28

Bromochloromethane

Concen: 51.431 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

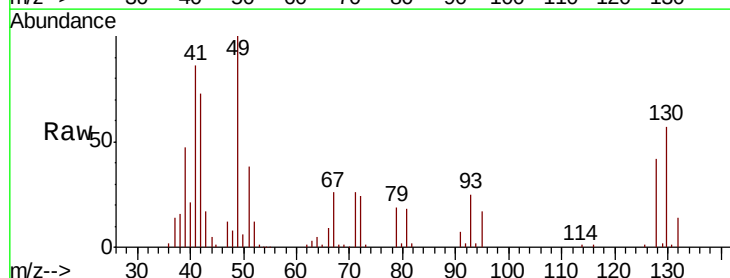
Tgt Ion: 49 Resp: 155364

Ion Ratio Lower Upper

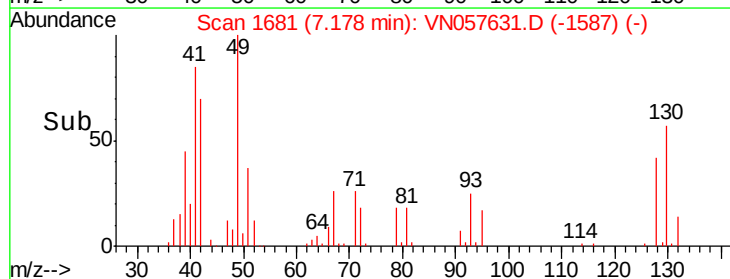
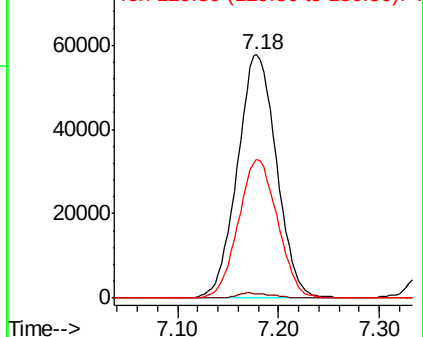
49 100

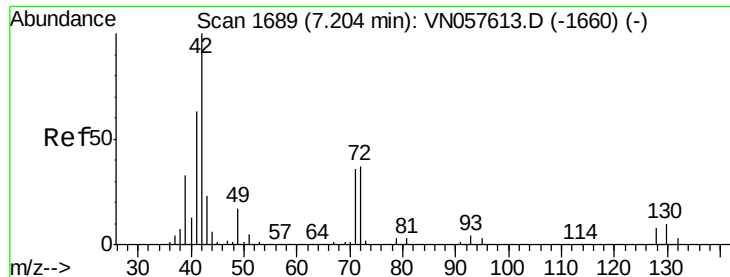
129 1.8 0.0 1.8

130 57.2 45.8 68.8



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

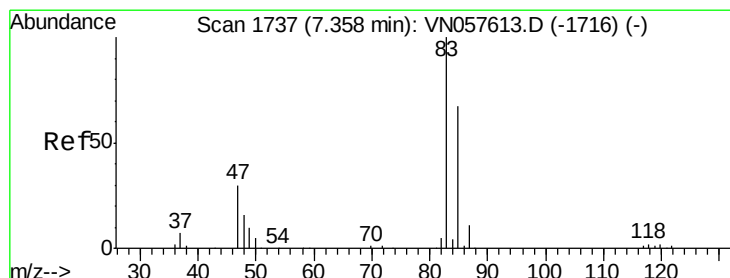
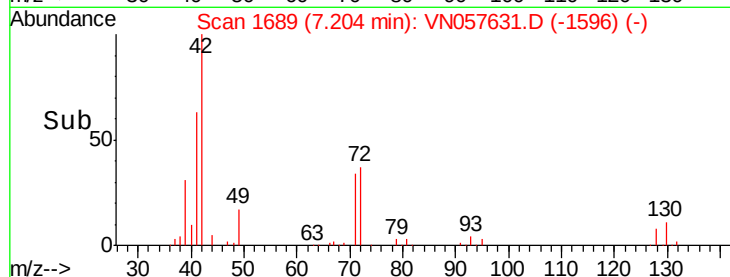
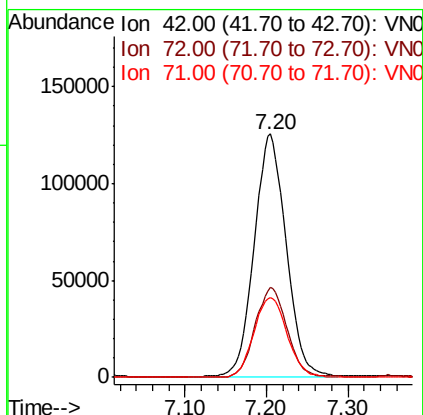
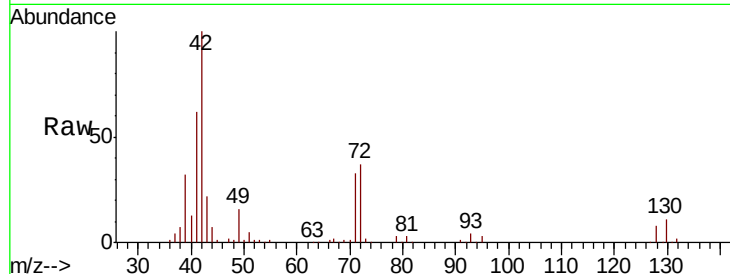




#29
Tetrahydrofuran
Concen: 273.594 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

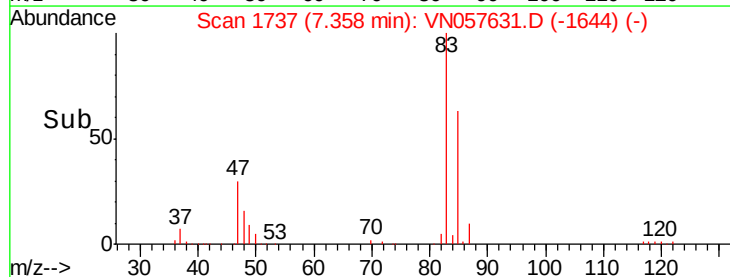
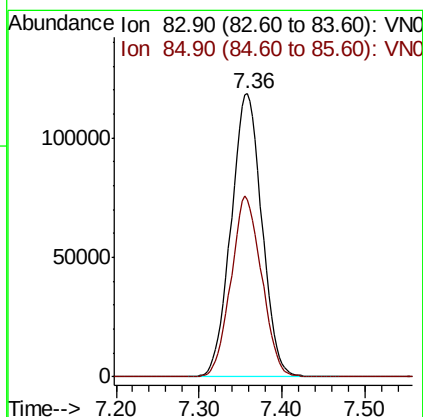
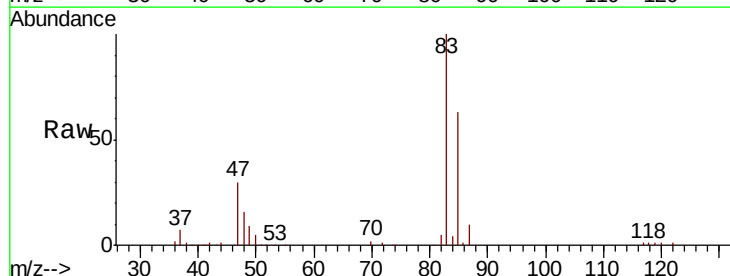
Instrument :
MSVOA_N
ClientSampleId :

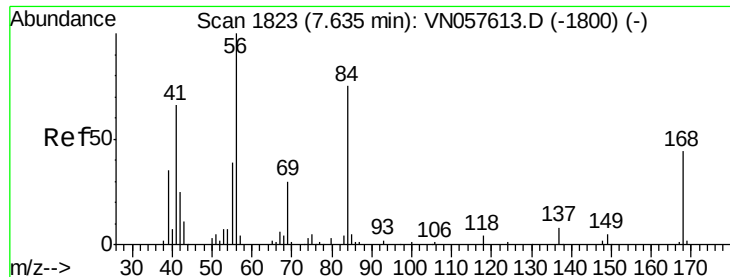
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.6	44.4
71	33.9	27.9	41.9



#30
Chloroform
Concen: 53.305 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	53.2	79.8

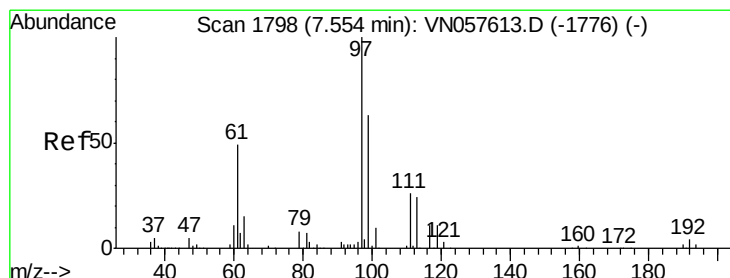
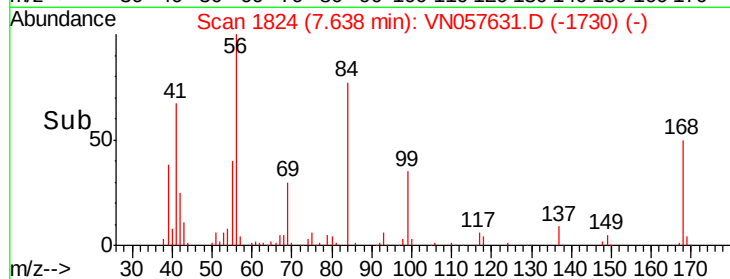
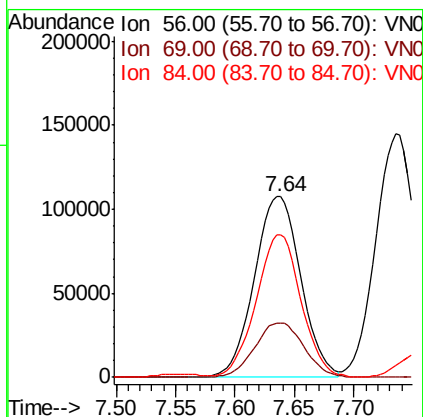
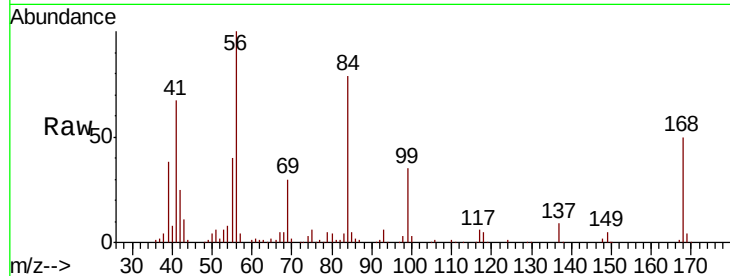




#31
Cyclohexane
Concen: 51.426 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 22:30

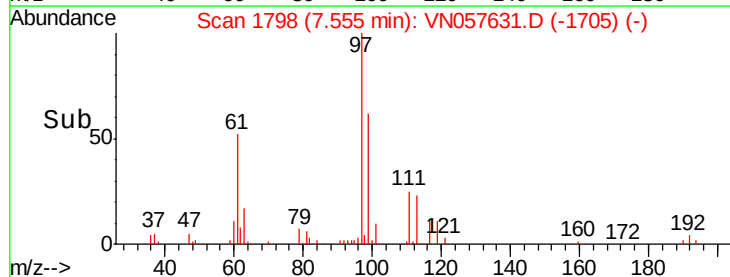
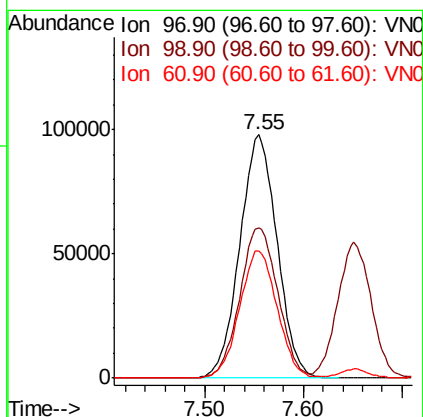
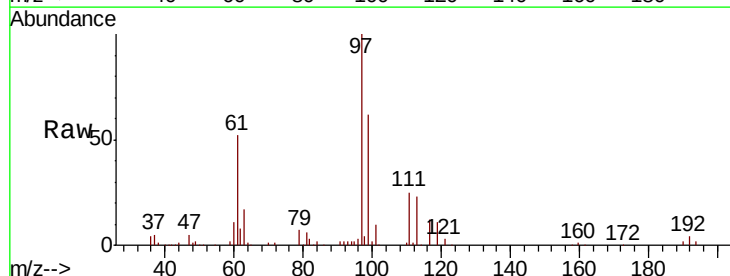
Instrument :
MSVOA_N
ClientSampled :

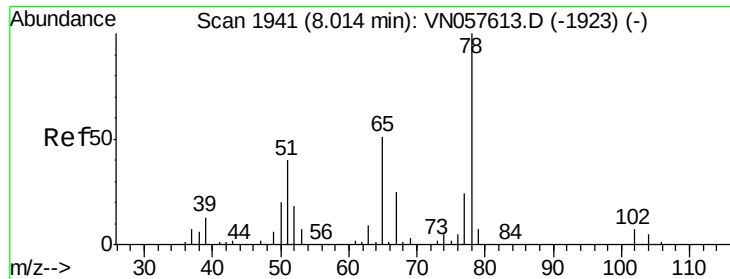
Tot Ion	56	Resp	291150
Ion Ratio	Lower	Upper	
56	100		
69	29.9	24.4	36.6
84	77.2	59.9	89.9



#32
1,1,1-Trichloroethane
Concen: 54.240 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 22:30

Tgt Ion	97	Resp	256045
Ion Ratio	Lower	Upper	
97	100		
99	63.2	50.6	75.8
61	52.7	41.1	61.7

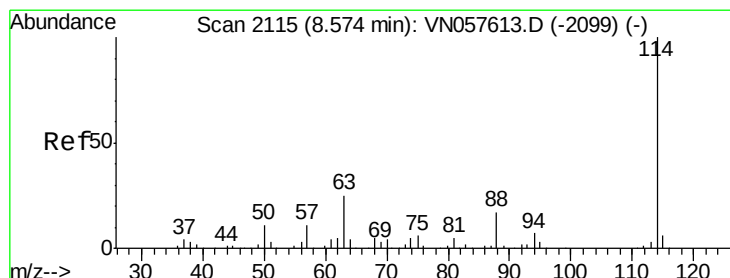
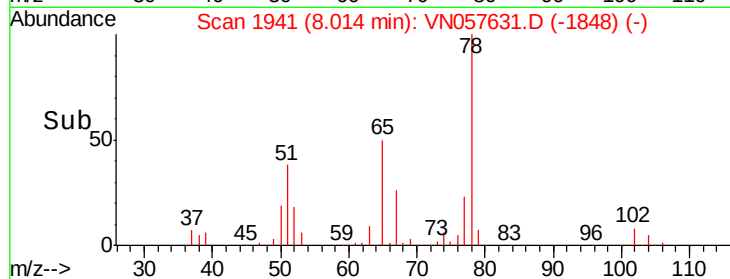
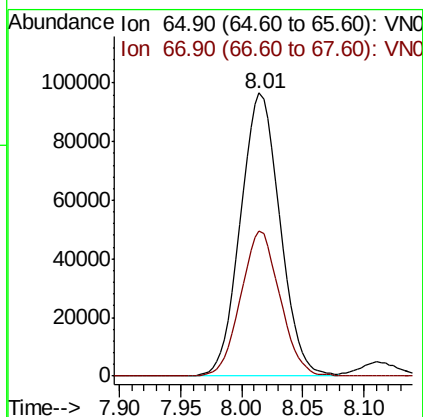
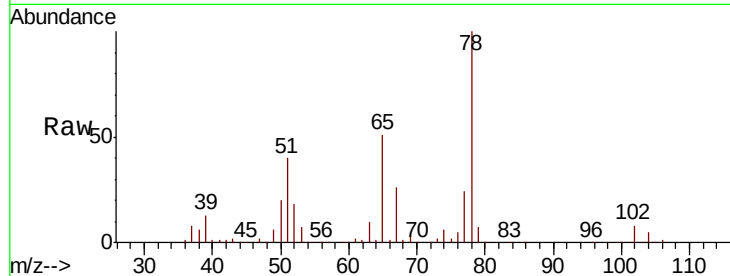




#33
 1,2-Dichloroethane-d4
 Concen: 50.638 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

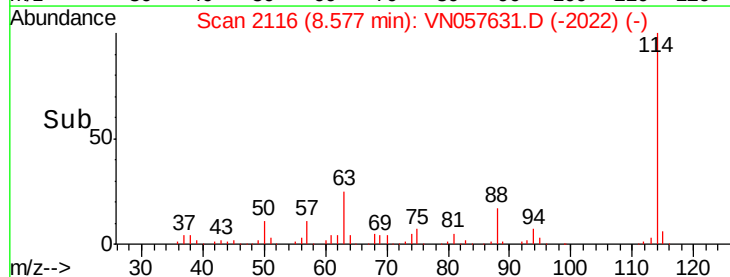
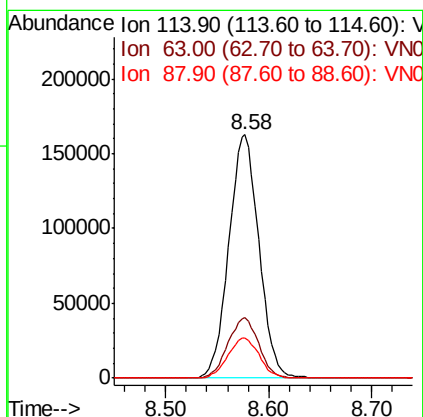
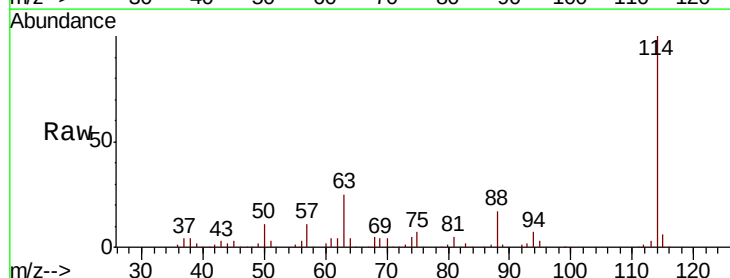
Instrument :
 MSVOA_N
 ClientSampled :

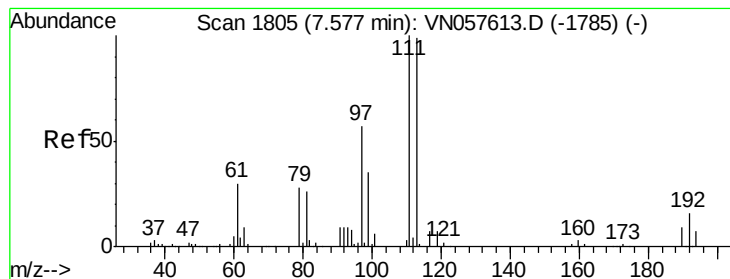
Tot Ion: 65 Resp: 216400
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion: 114 Resp: 330125
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 49.0
 88 16.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.384 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampleId :

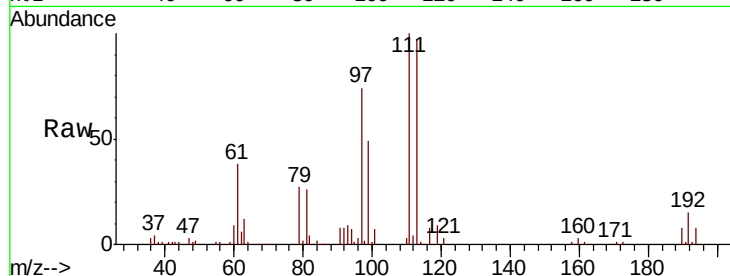
Tot Ion:113 Resp: 139487

Ion Ratio Lower Upper

113 100

111 104.4 81.3 121.9

192 17.6 13.5 20.3

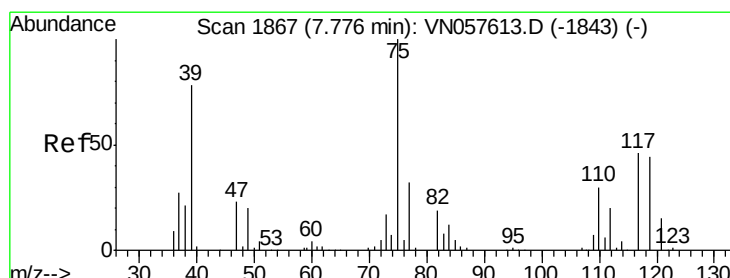
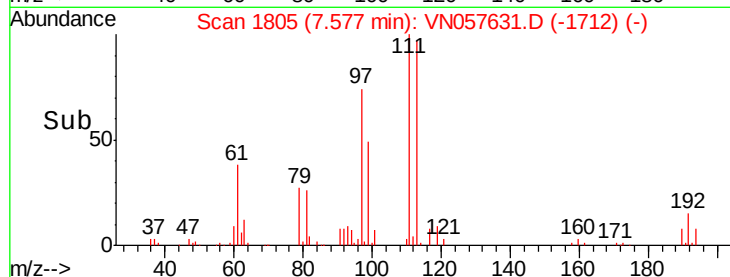
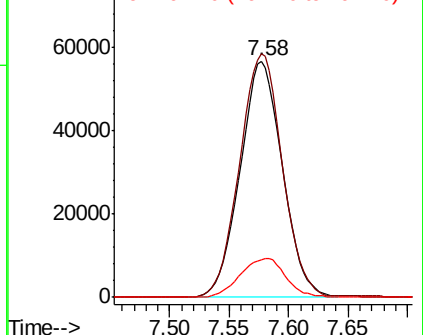


Abundance

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: 50.397 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

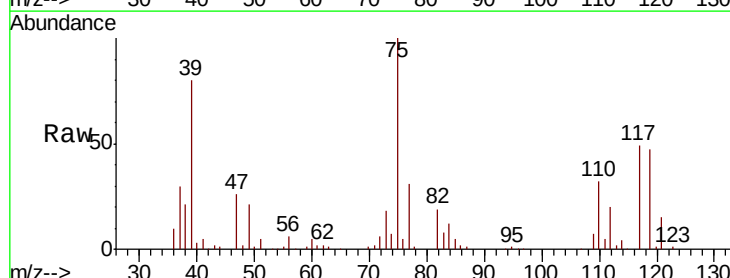
Tgt Ion: 75 Resp: 220575

Ion Ratio Lower Upper

75 100

110 31.6 15.6 46.8

77 31.0 24.9 37.3

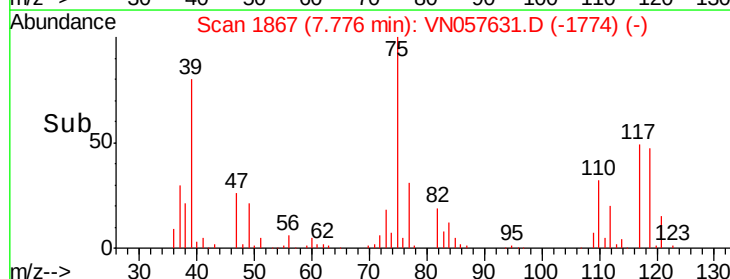
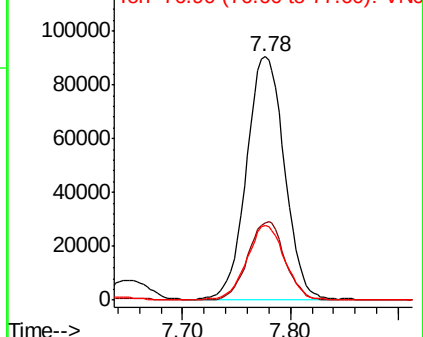


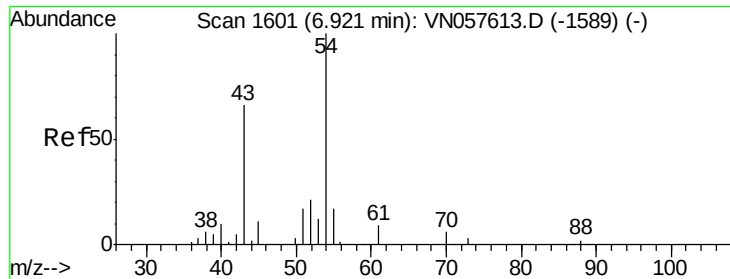
Abundance

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

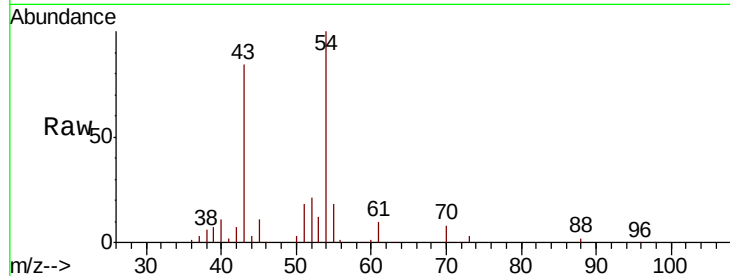




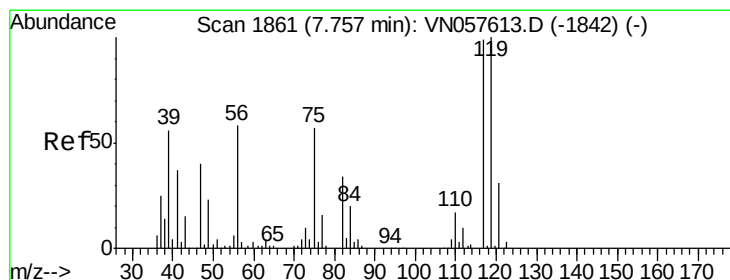
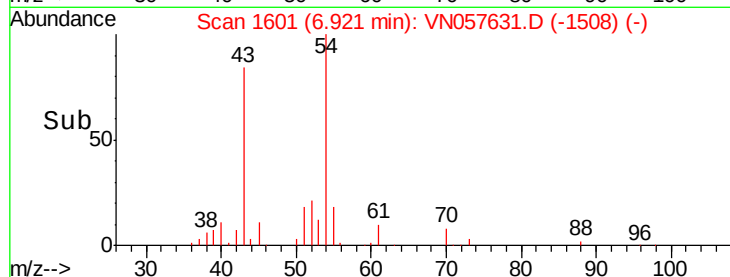
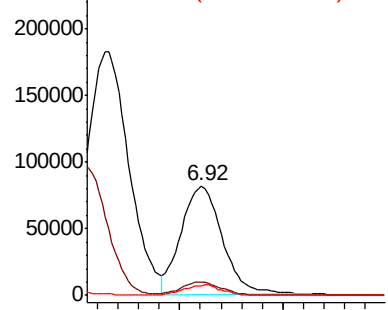
#37
Ethyl Acetate
Concen: 54.345 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 226574
Ion Ratio Lower Upper
43 100
61 11.8 10.1 15.1
70 8.9 6.8 10.2

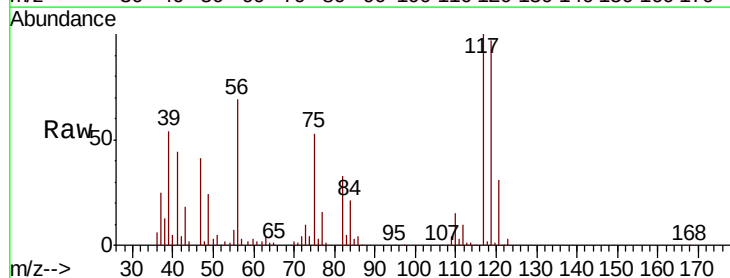


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

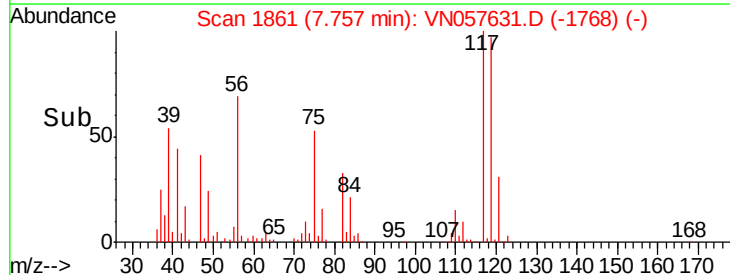
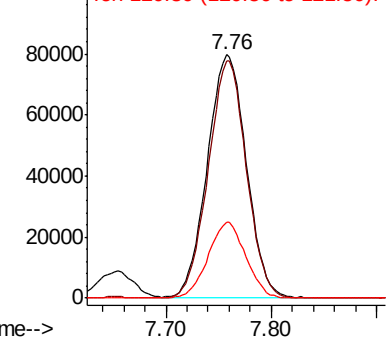


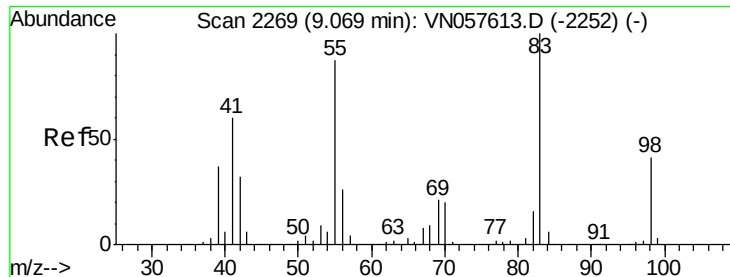
#38
Carbon Tetrachloride
Concen: 52.457 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 117 Resp: 205516
Ion Ratio Lower Upper
117 100
119 97.3 80.6 120.8
121 31.2 25.1 37.7



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

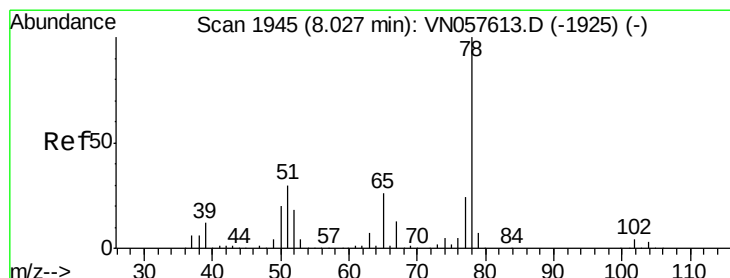
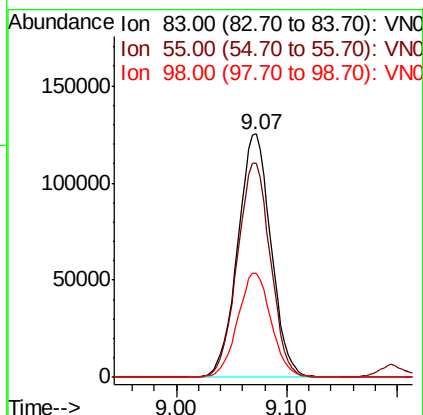
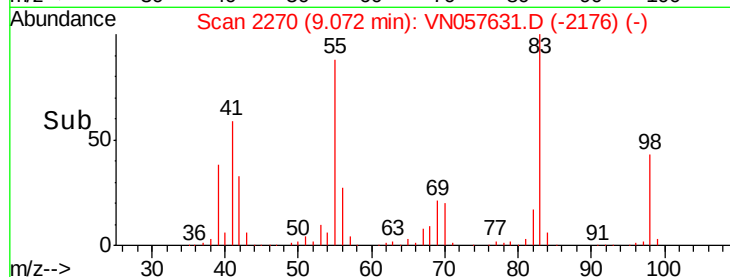
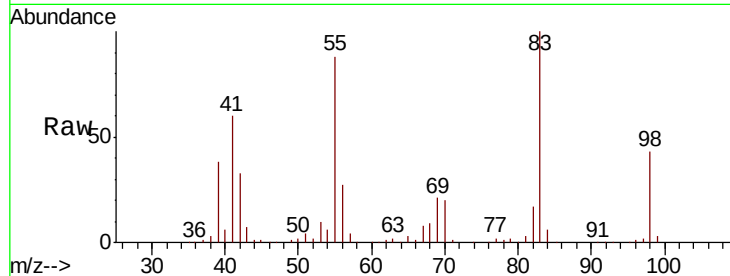




#39
Methylvlcyclohexane
Concen: 50.526 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

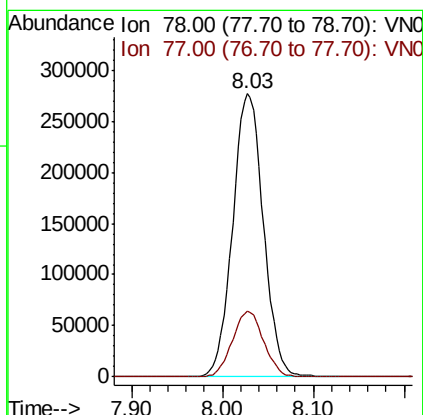
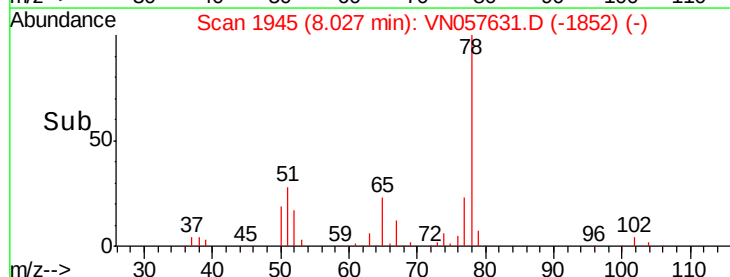
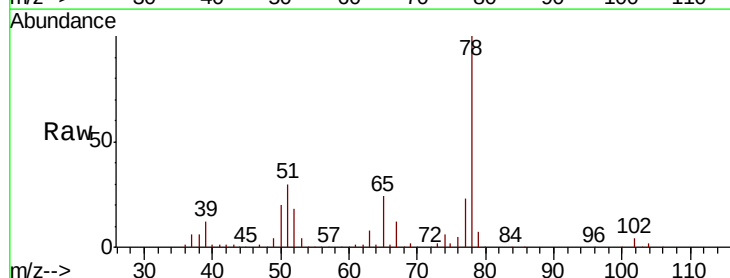
Instrument :
MSVOA_N
ClientSampleId :

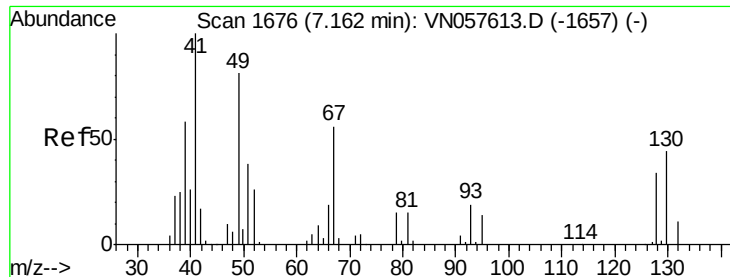
Tot Ion: 83 Resp: 261273
Ion Ratio Lower Upper
83 100
55 88.1 69.8 104.8
98 42.7 32.7 49.1



#40
Benzene
Concen: 50.958 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 78 Resp: 649229
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7

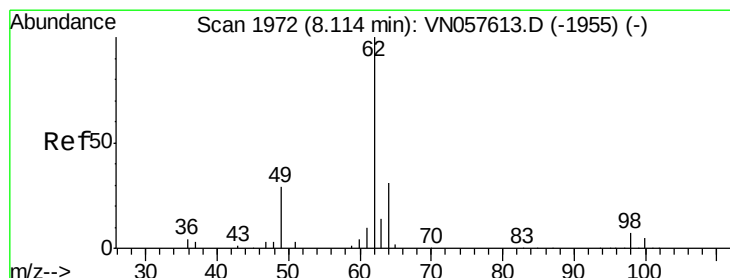
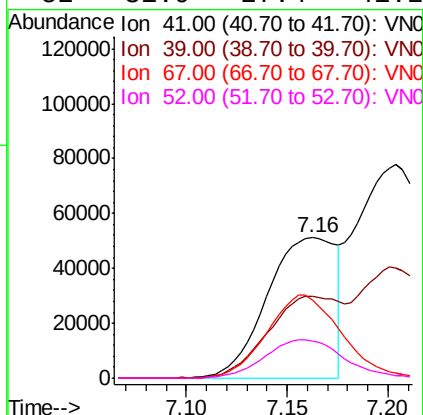
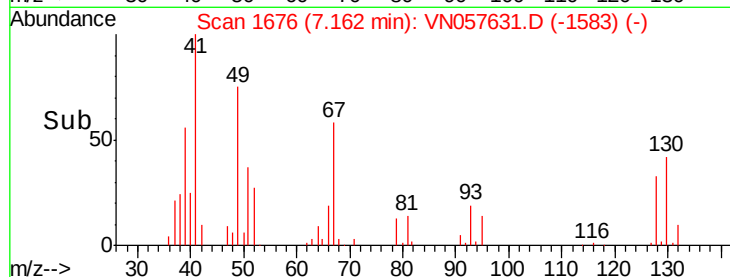
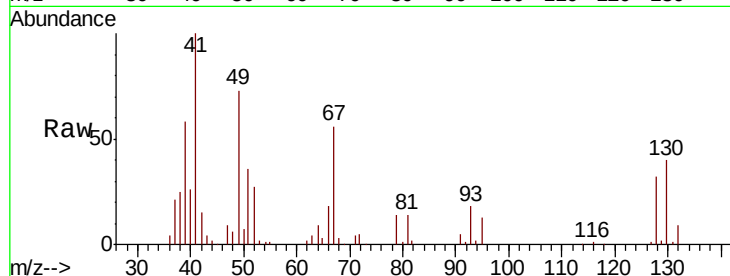




#41
Methacrylonitrile
Concen: 51.910 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

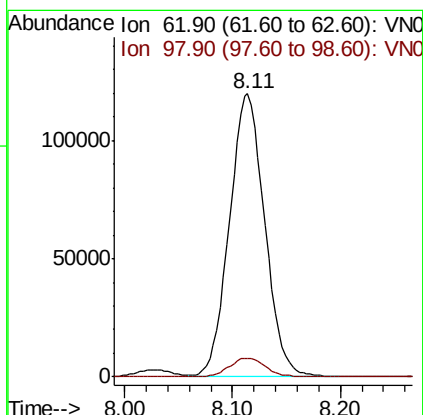
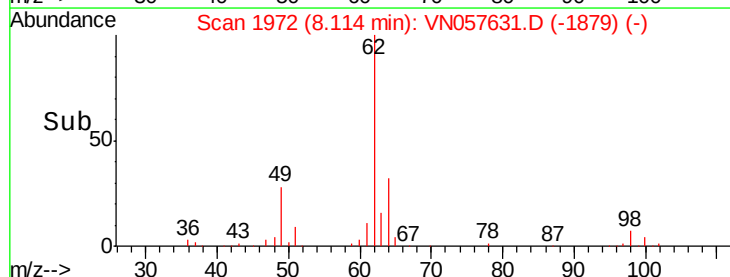
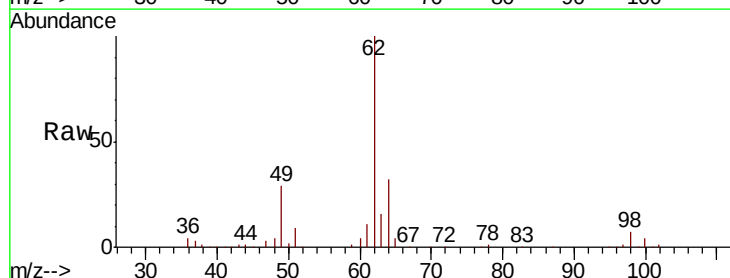
Instrument :
MSVOA_N
ClientSampled :

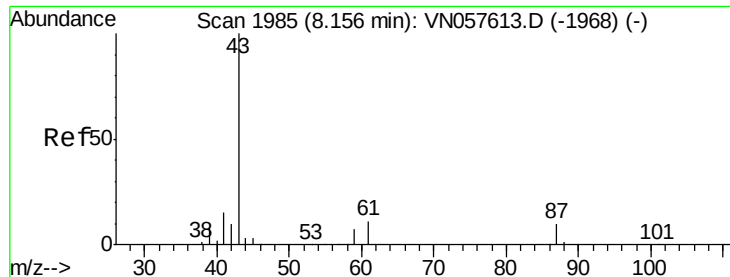
Tot Ion: 41 Resp: 121528
Ion Ratio Lower Upper
41 100
39 61.8 50.6 75.8
67 64.2 56.9 85.3
52 31.9 27.4 41.2



#42
1,2-Dichloroethane
Concen: 52.625 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 62 Resp: 272322
Ion Ratio Lower Upper
62 100
98 6.8 0.0 14.0





#43

Isopropyl Acetate

Concen: 53.417 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampleId :

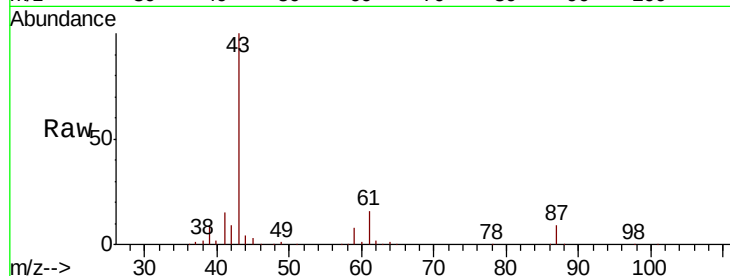
Tot Ion: 43 Resp: 400675

Ion Ratio Lower Upper

43 100

61 16.5 13.1 19.7

87 9.7 8.1 12.1

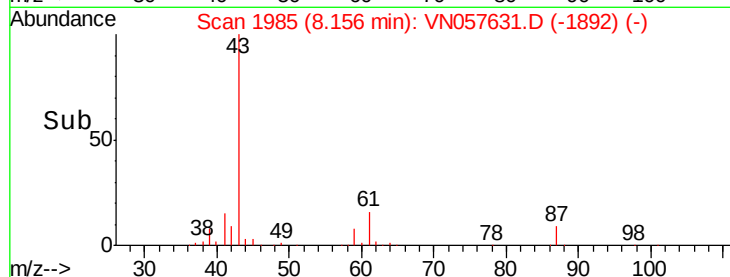


Abundance Ion 43.00 (42.70 to 43.70): VN057631.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN057631.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN057631.D (-1968) (-)

Time-->

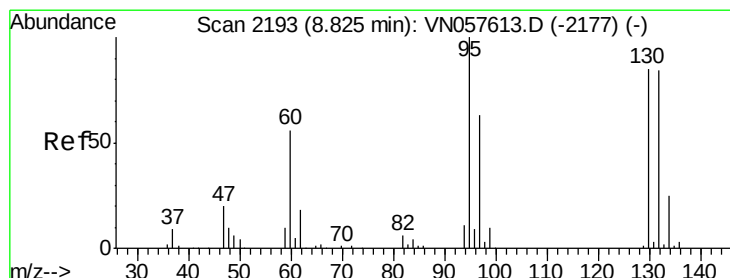


Abundance Ion 43.00 (42.70 to 43.70): VN057631.D (-1892) (-)

Ion 61.00 (60.70 to 61.70): VN057631.D (-1892) (-)

Ion 87.00 (86.70 to 87.70): VN057631.D (-1892) (-)

Time-->



#44

Trichloroethene

Concen: 50.998 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057631.D

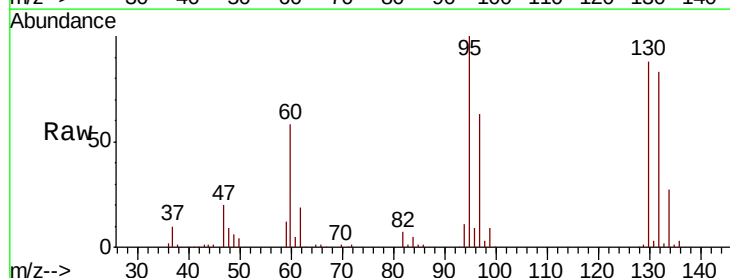
Acq: 31 Aug 2019 22:30

Tgt Ion:130 Resp: 147394

Ion Ratio Lower Upper

130 100

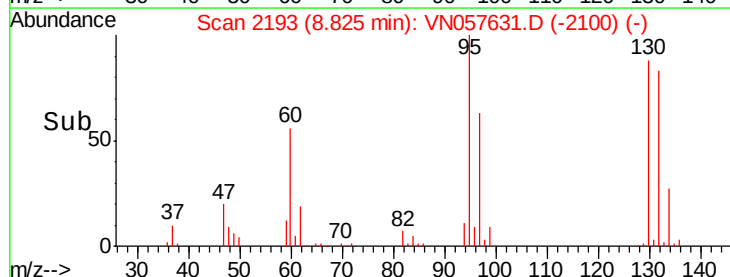
95 114.0 0.0 234.4



Abundance Ion 129.80 (129.50 to 130.50): VN057631.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057631.D (-2177) (-)

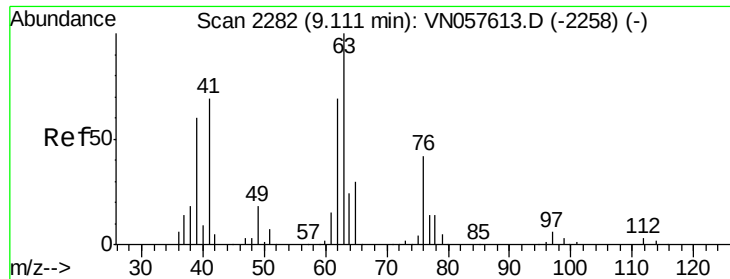
Time-->



Abundance Ion 129.80 (129.50 to 130.50): VN057631.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN057631.D (-2100) (-)

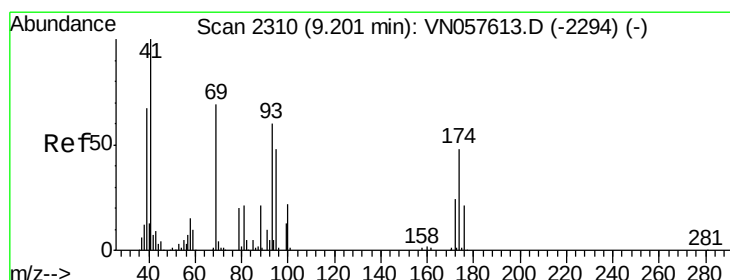
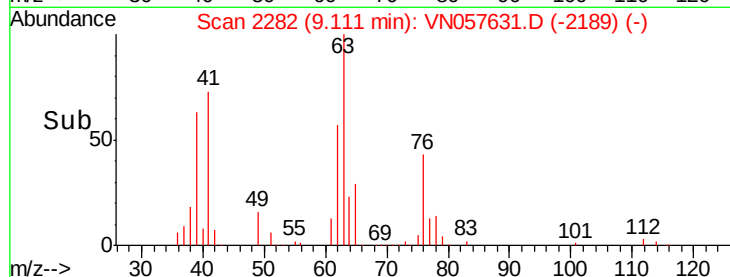
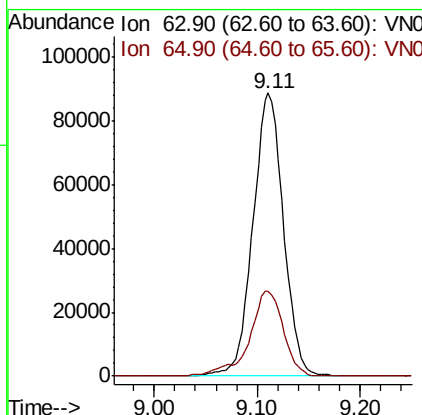
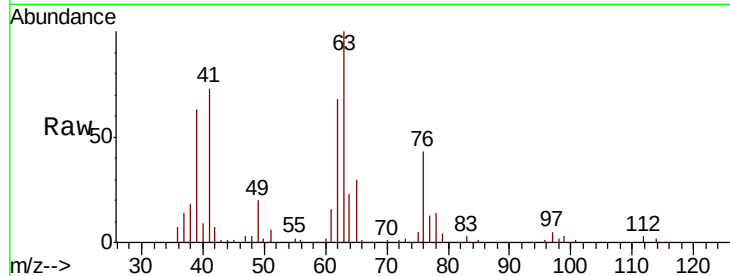
Time-->



#45
 1,2-Dichloropropane
 Concen: 51.172 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

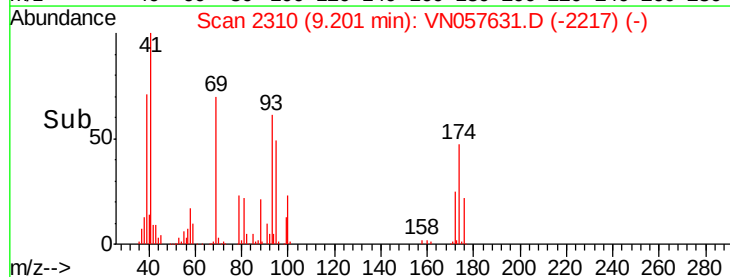
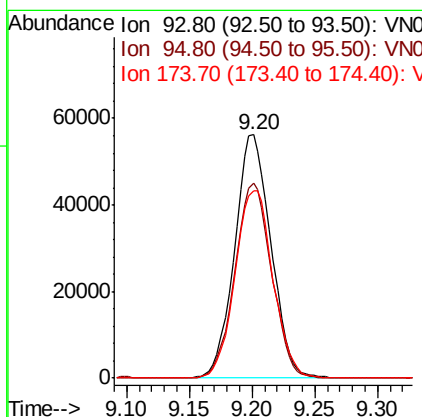
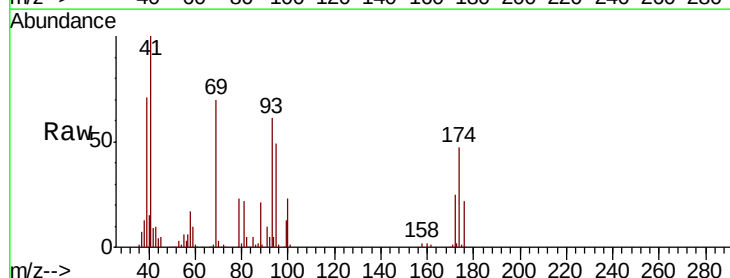
Instrument :
 MSVOA_N
 ClientSampled :

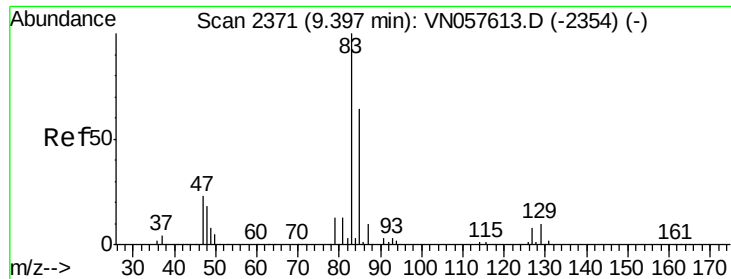
Tot Ion: 63 Resp: 181599
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.4 36.6



#46
 Dibromomethane
 Concen: 51.348 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion: 93 Resp: 112826
 Ion Ratio Lower Upper
 93 100
 95 80.9 65.8 98.6
 174 80.5 64.2 96.2

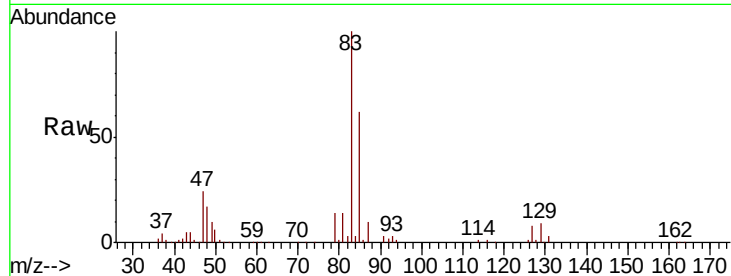




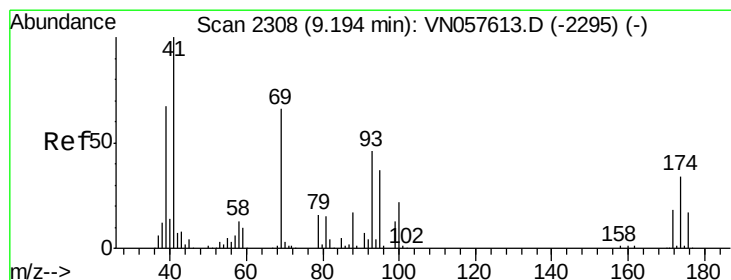
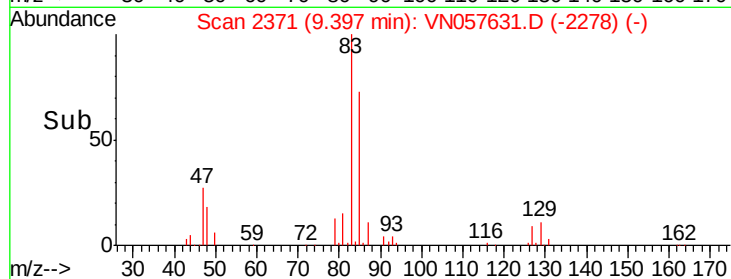
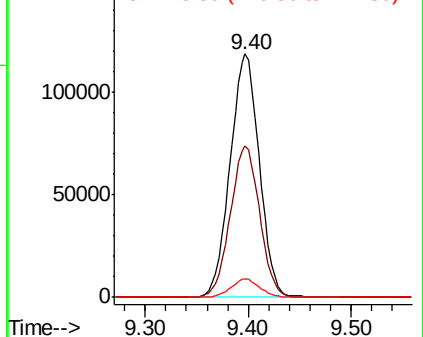
#47
Bromodichloromethane
Concen: 52.461 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 234193
Ion Ratio Lower Upper
83 100
85 62.1 51.4 77.0
127 7.6 6.1 9.1

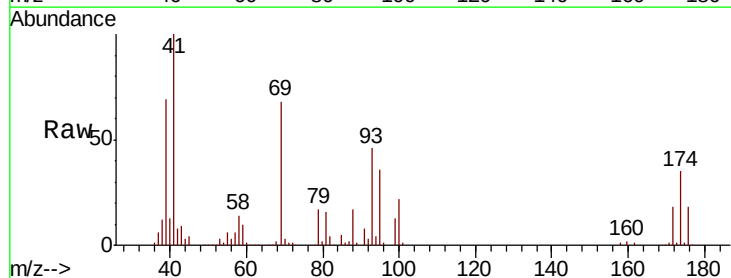


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

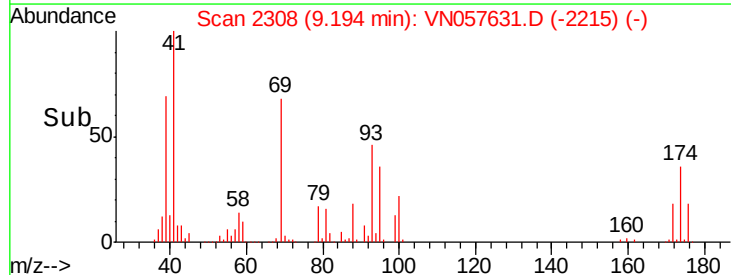
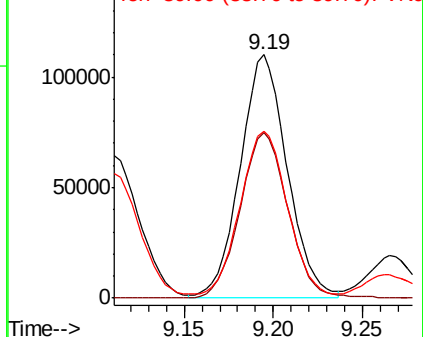


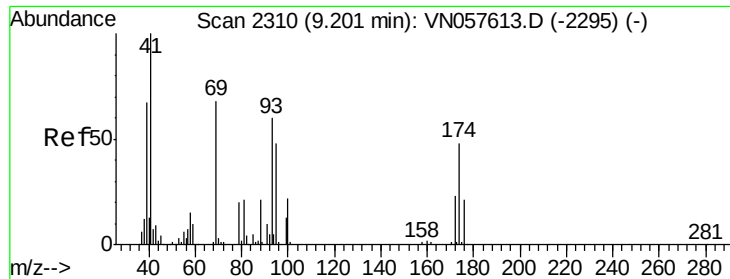
#48
Methyl methacrylate
Concen: 52.412 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 41 Resp: 200716
Ion Ratio Lower Upper
41 100
69 69.9 55.1 82.7
39 70.3 55.4 83.2



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

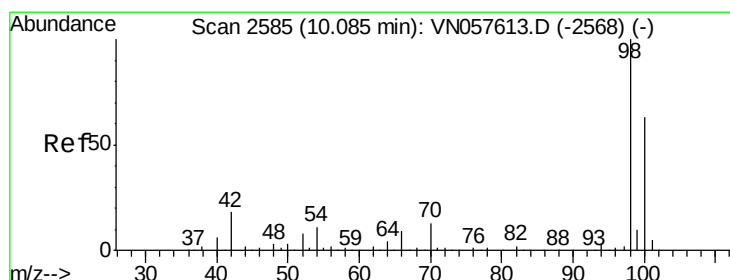
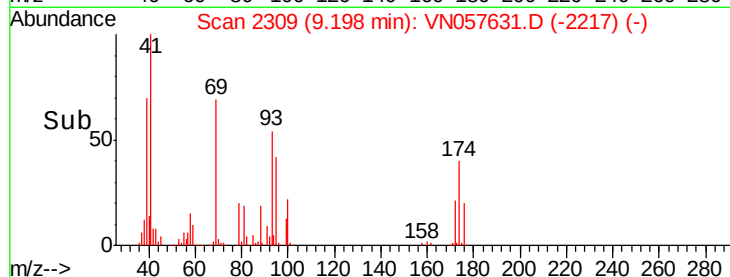
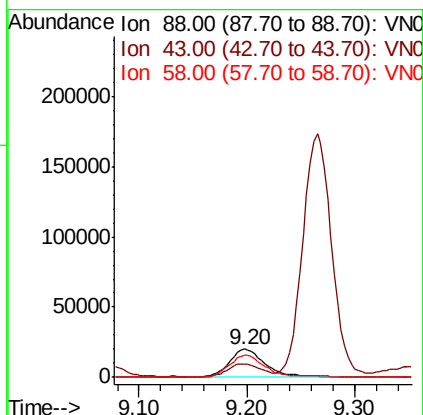
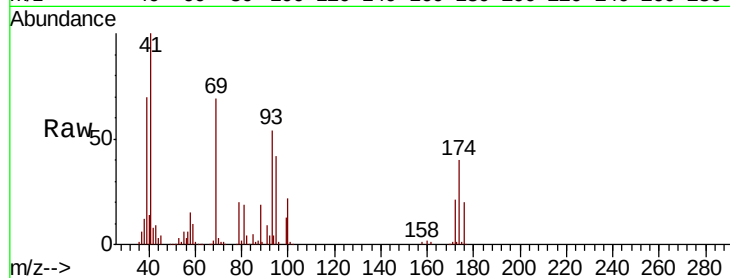




#49
1,4-Dioxane
Concen: 1046.290 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

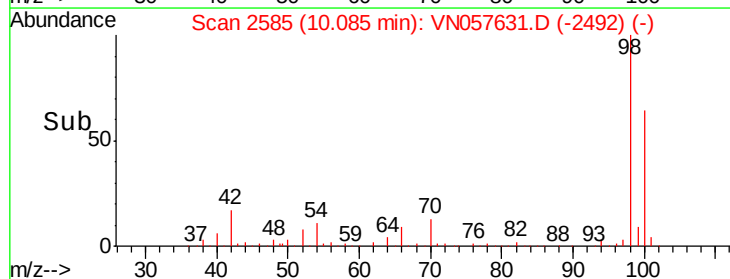
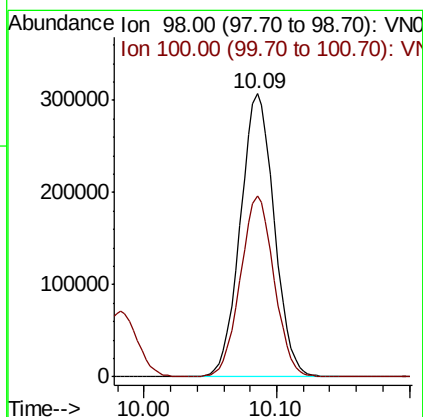
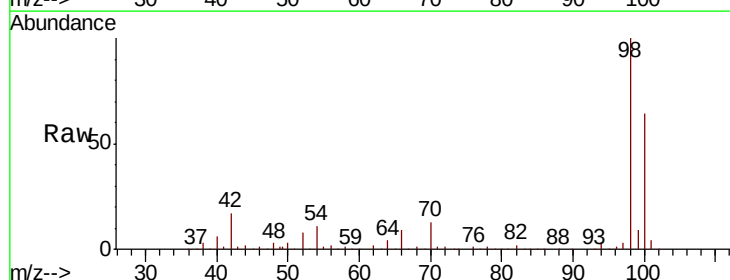
Instrument :
MSVOA_N
ClientSampled :

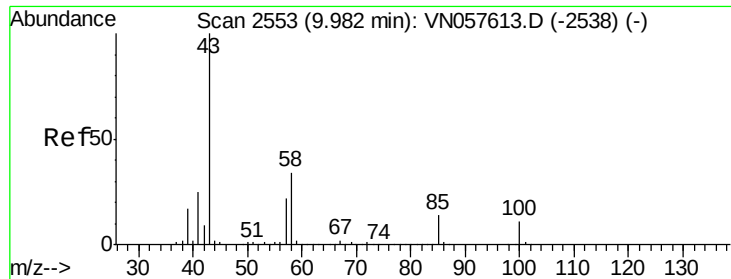
Tot Ion: 88 Resp: 46920
Ion Ratio Lower Upper
88 100
43 41.7 35.0 52.4
58 75.2 61.6 92.4



#50
Toluene-d8
Concen: 49.273 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 98 Resp: 545365
Ion Ratio Lower Upper
98 100
100 63.6 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 271.758 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

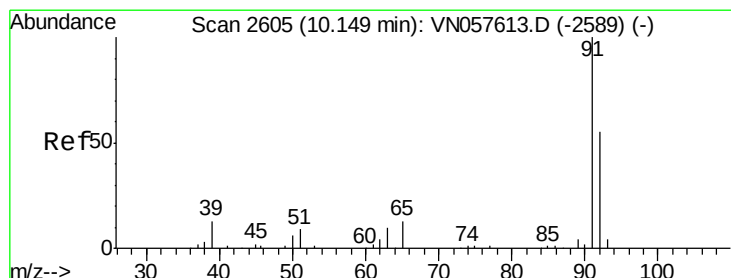
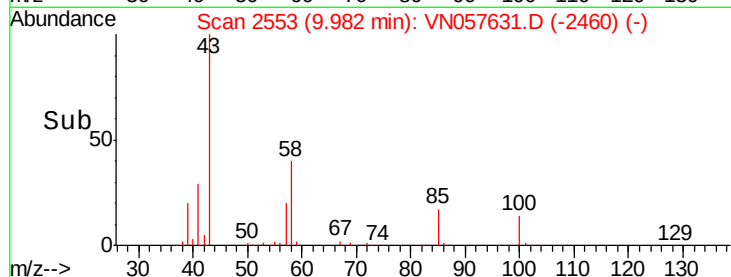
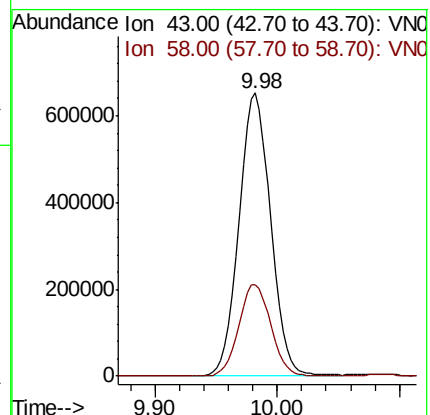
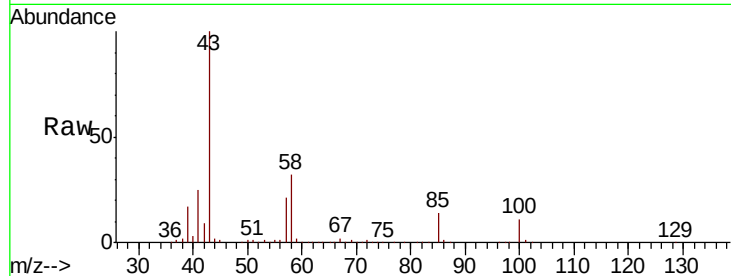
ClientSampleId :

Tot Ion: 43 Resp: 1168311

Ion Ratio Lower Upper

43 100

58 32.9 26.9 40.3



#52

Toluene

Concen: 52.100 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057631.D

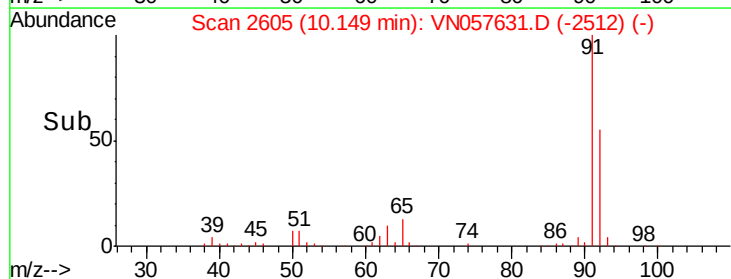
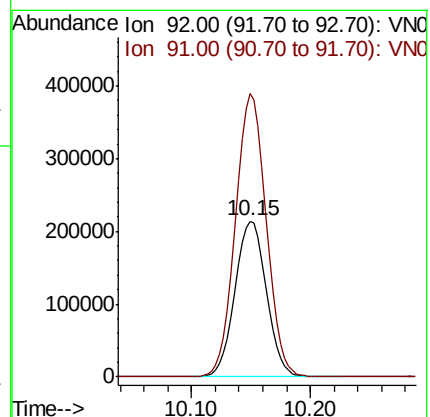
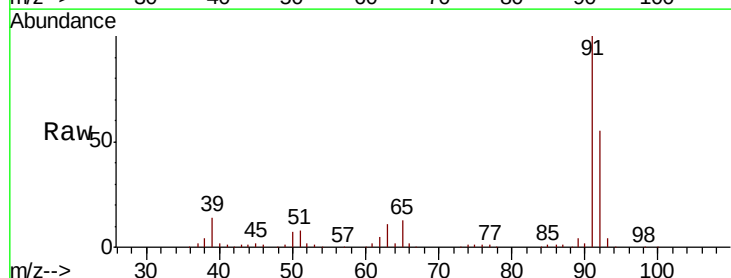
Acq: 31 Aug 2019 22:30

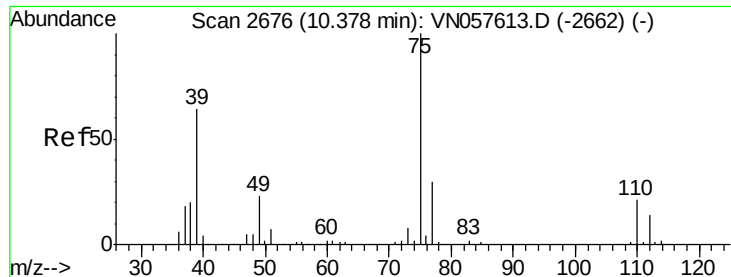
Tgt Ion: 92 Resp: 392314

Ion Ratio Lower Upper

92 100

91 178.1 143.8 215.6

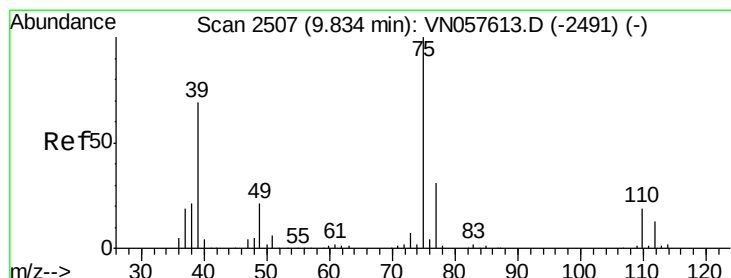
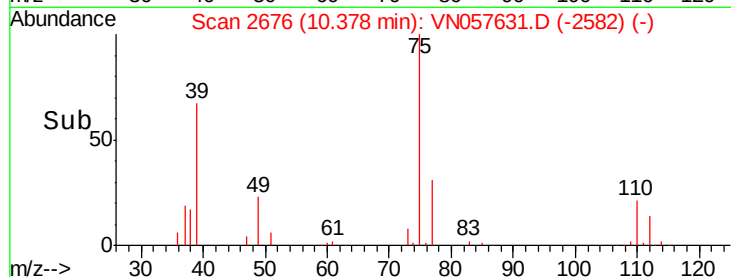
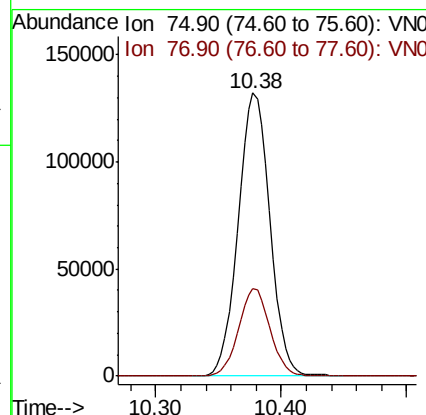
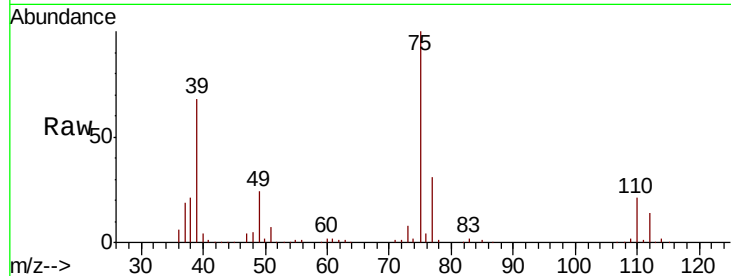




#53
t-1,3-Dichloropropene
Concen: 46.782 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

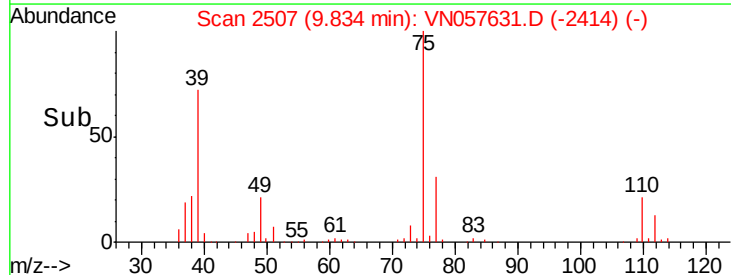
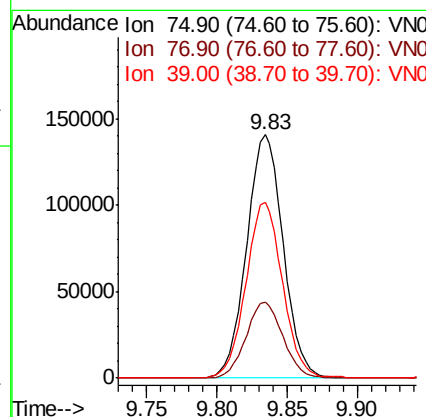
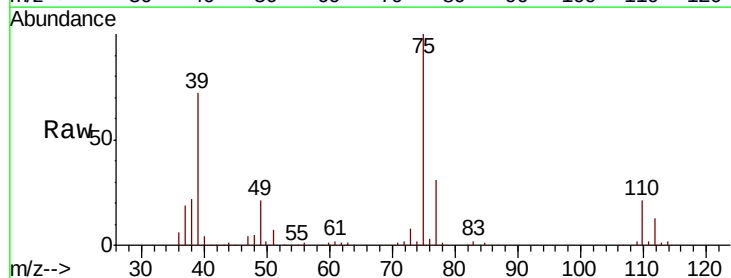
Instrument :
MSVOA_N
ClientSampled :

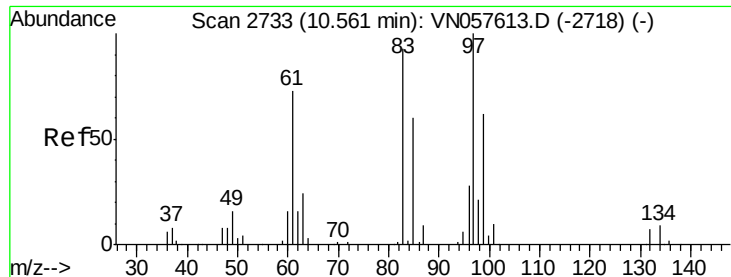
Tot Ion: 75 Resp: 232210
Ion Ratio Lower Upper
75 100
77 30.9 24.1 36.1



#54
cis-1,3-Dichloropropene
Concen: 46.849 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 75 Resp: 255990
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2
39 72.1 55.0 82.4



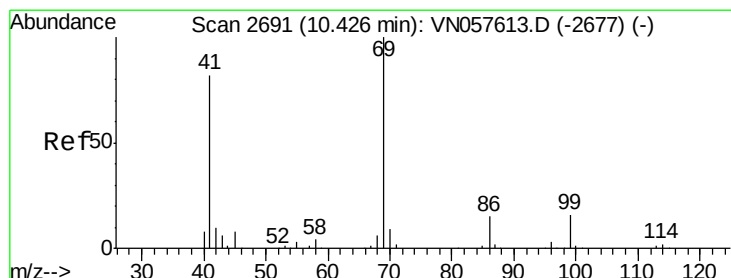
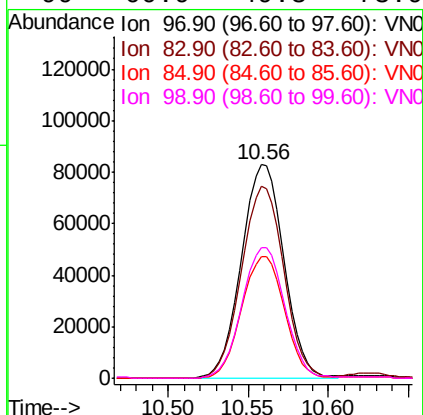
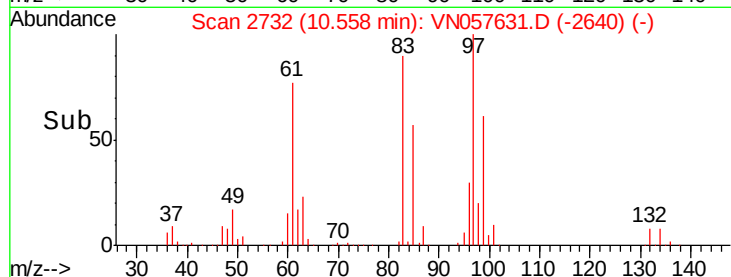
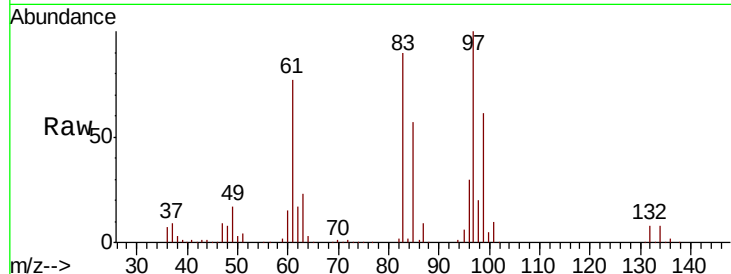


#55
 1,1,2-Trichloroethane
 Concen: 52.787 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 150810

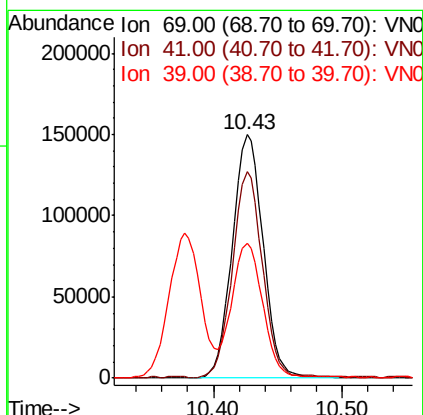
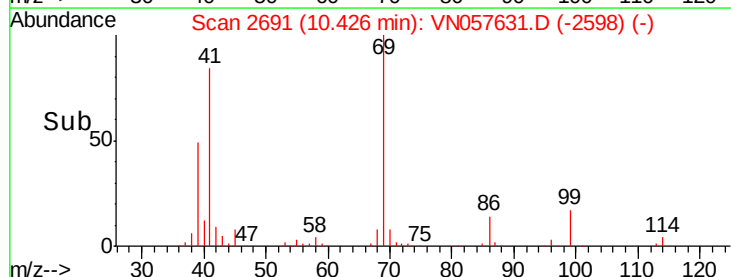
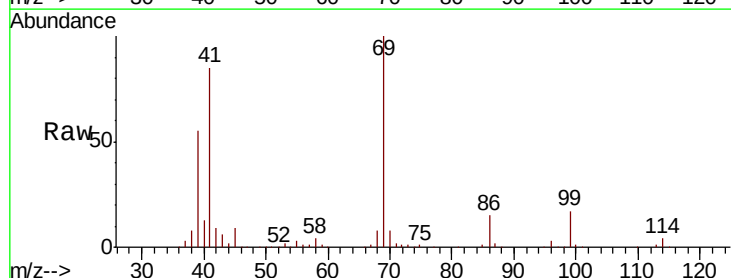
Ion	Ratio	Lower	Upper
97	100		
83	89.7	74.2	111.2
85	57.0	47.8	71.8
99	60.9	49.3	73.9

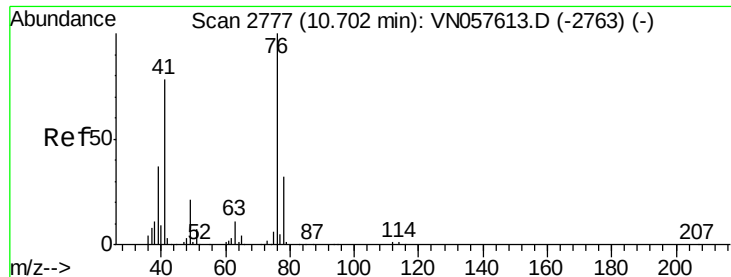


#56
 Ethyl methacrylate
 Concen: 52.330 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion: 69 Resp: 249493

Ion	Ratio	Lower	Upper
69	100		
41	82.0	65.8	98.6
39	54.9	43.8	65.8

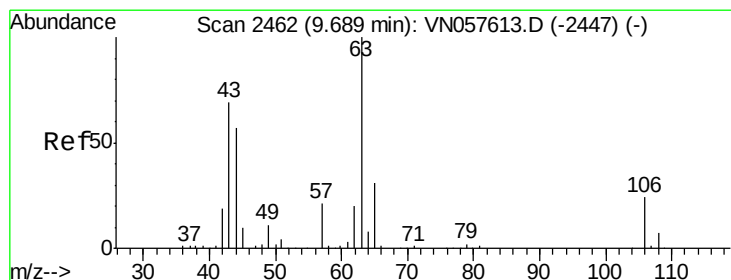
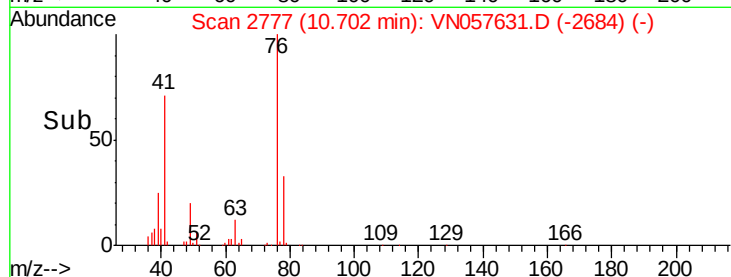
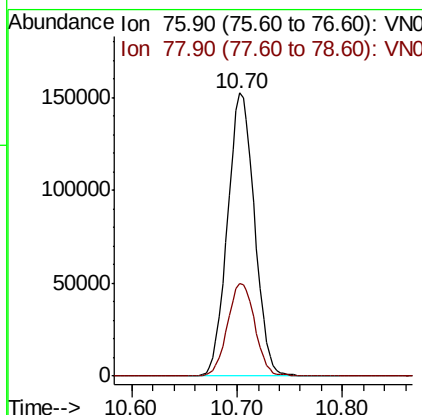
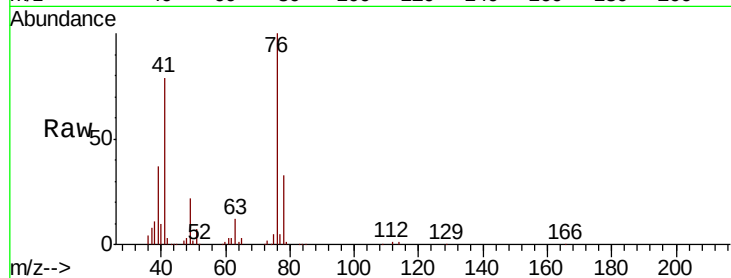




#57
 1,3-Dichloropropane
 Concen: 51.567 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

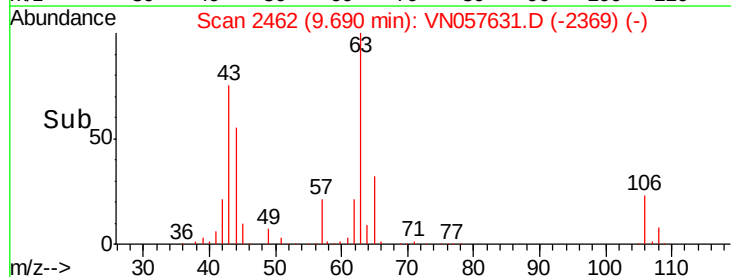
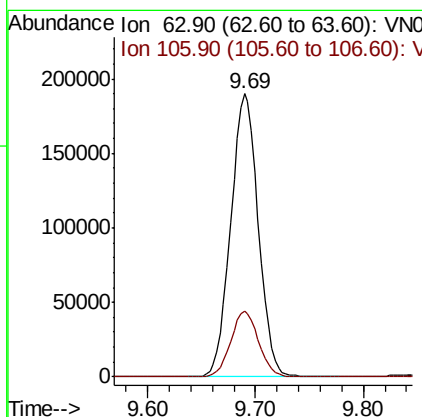
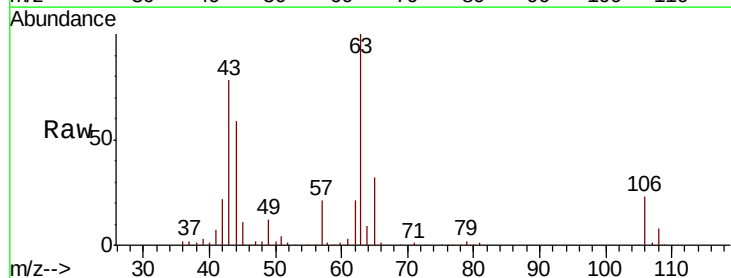
Instrument :
 MSVOA_N
 ClientSampleId :

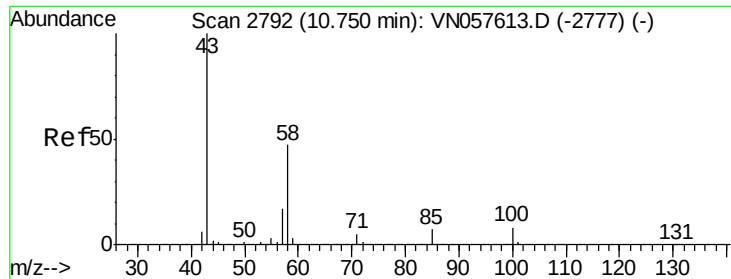
Tot Ion: 76 Resp: 270296
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.315 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion: 63 Resp: 337994
 Ion Ratio Lower Upper
 63 100
 106 23.4 18.3 27.5

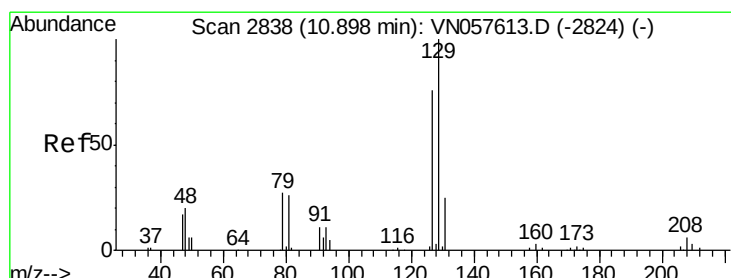
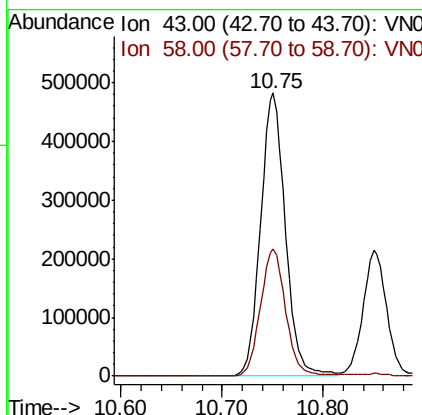
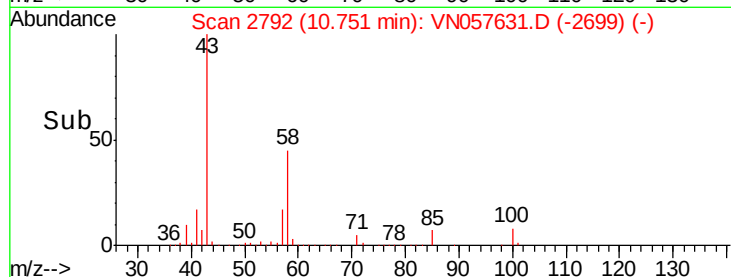
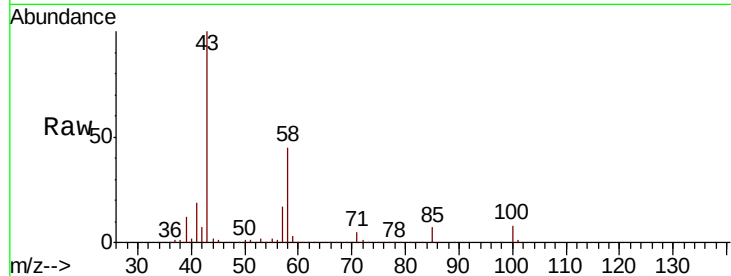




#59
2-Hexanone
Concen: 259.492 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

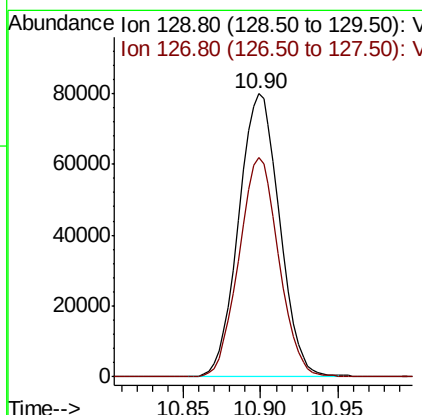
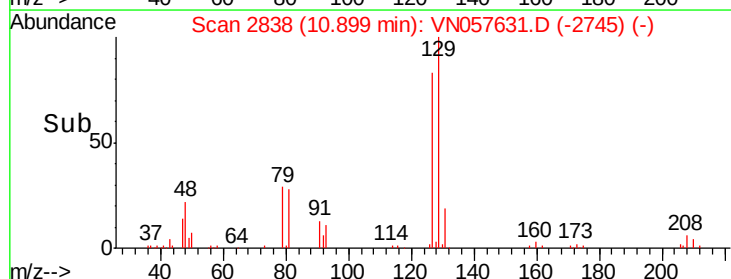
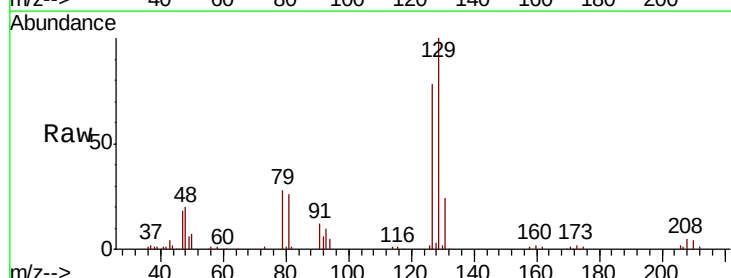
Instrument :
MSVOA_N
ClientSampleId :

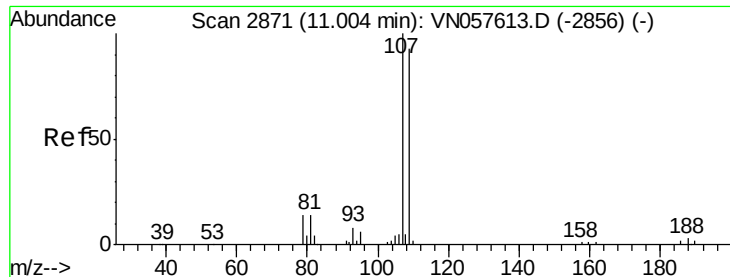
Tot Ion: 43 Resp: 819232
Ion Ratio Lower Upper
43 100
58 45.8 23.5 70.5



#60
Dibromochloromethane
Concen: 47.106 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 129 Resp: 146843
Ion Ratio Lower Upper
129 100
127 75.8 38.3 114.8

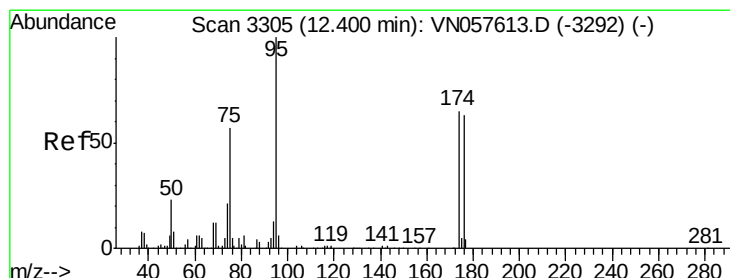
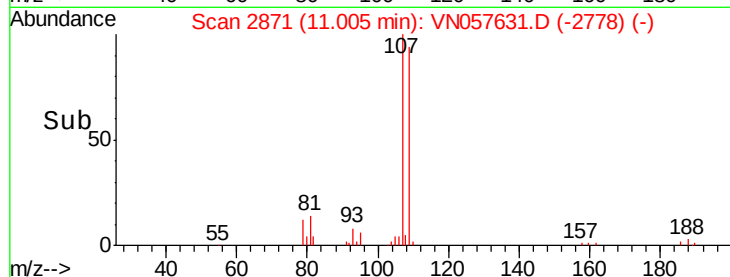
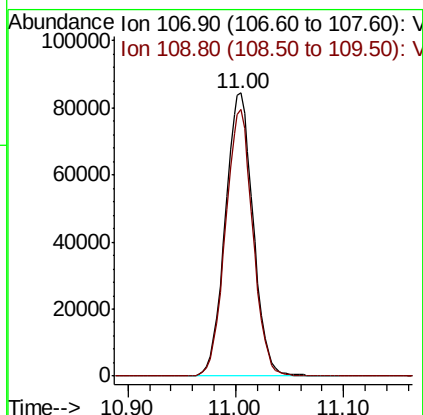
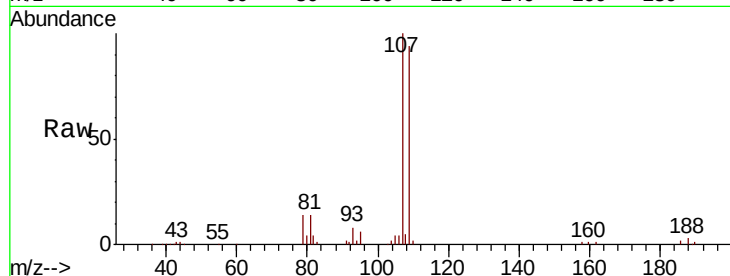




#61
 1,2-Dibromoethane
 Concen: 52.863 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

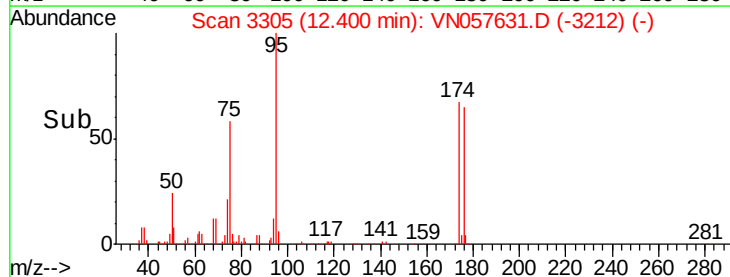
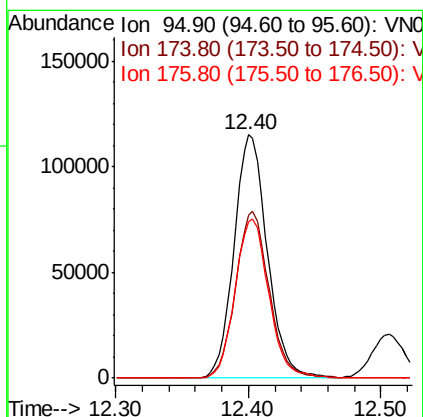
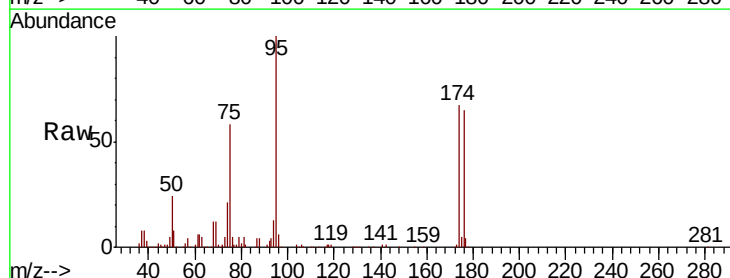
Instrument :
 MSVOA_N
 ClientSampleId :

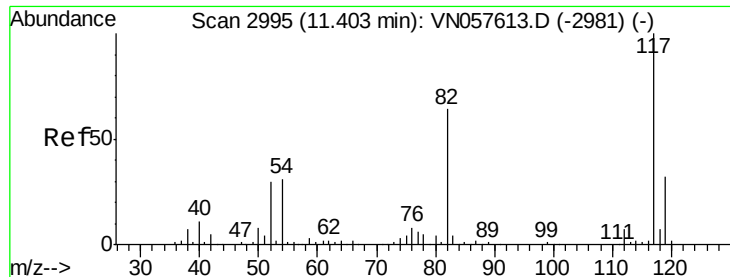
Tot Ion: 107 Resp: 152073
 Ion Ratio Lower Upper
 107 100
 109 92.5 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 47.853 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion: 95 Resp: 201403
 Ion Ratio Lower Upper
 95 100
 174 69.0 0.0 134.8
 176 66.2 0.0 131.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampleId :

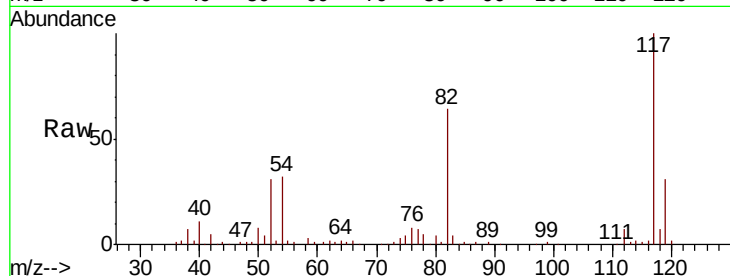
Tot Ion:117 Resp: 299482

Ion Ratio Lower Upper

117 100

82 64.4 51.6 77.4

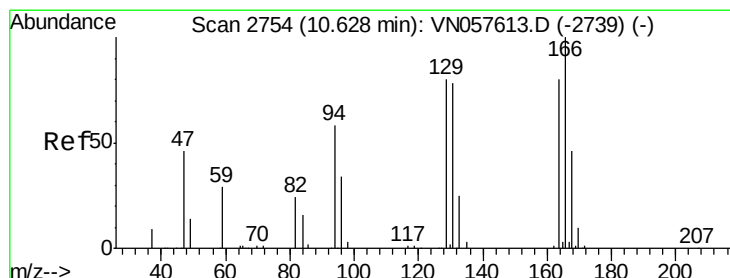
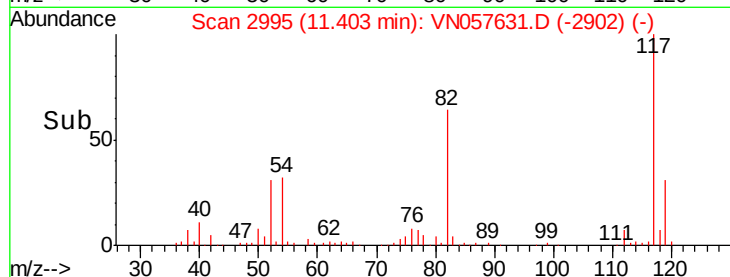
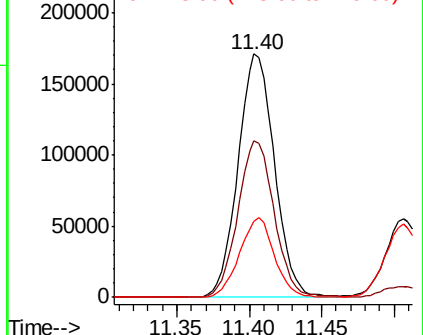
119 31.5 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 52.963 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Tgt Ion:164 Resp: 137342

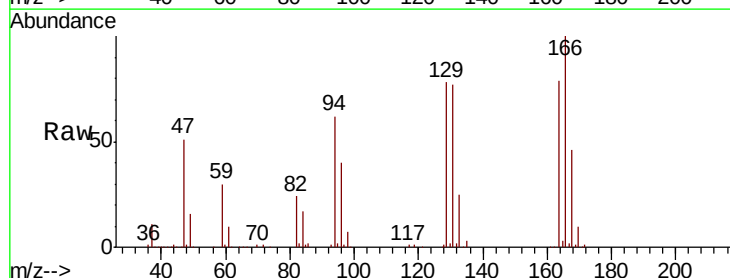
Ion Ratio Lower Upper

164 100

166 126.0 100.6 151.0

129 97.7 80.4 120.6

131 96.6 78.6 118.0

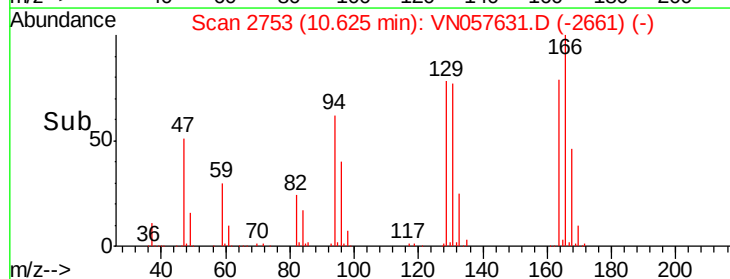
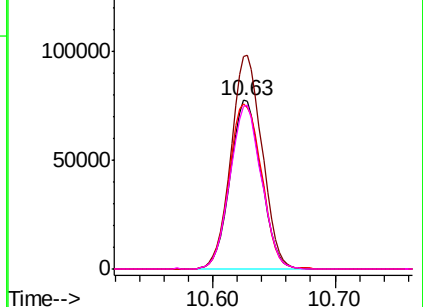


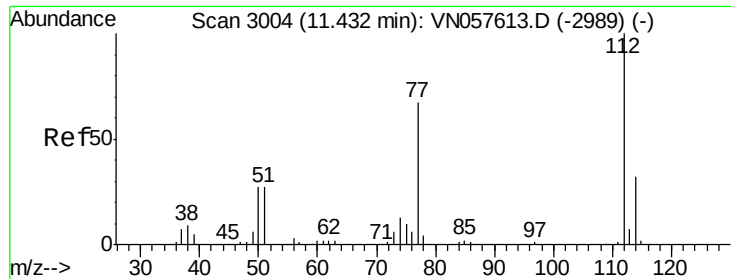
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

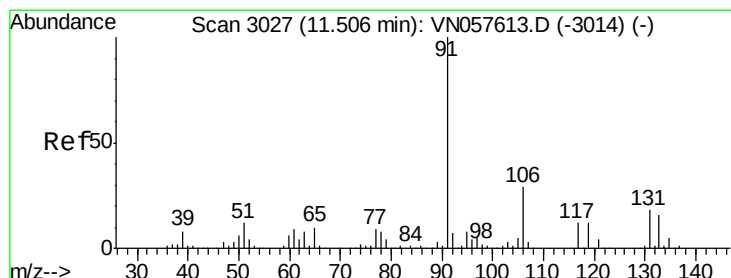
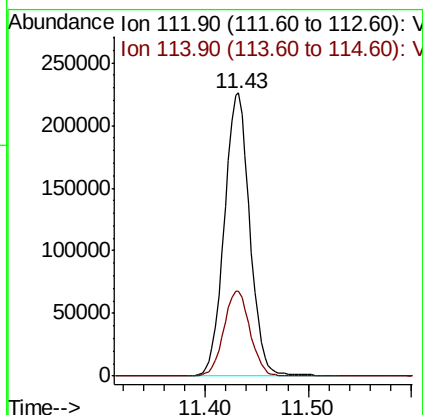
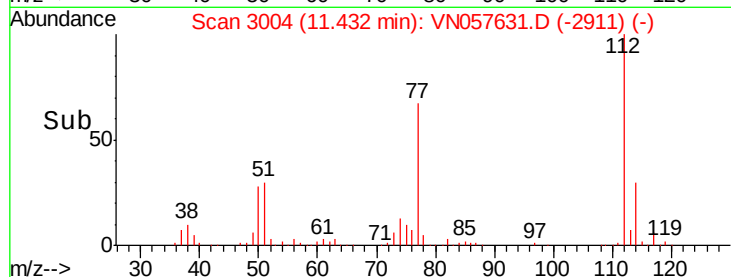
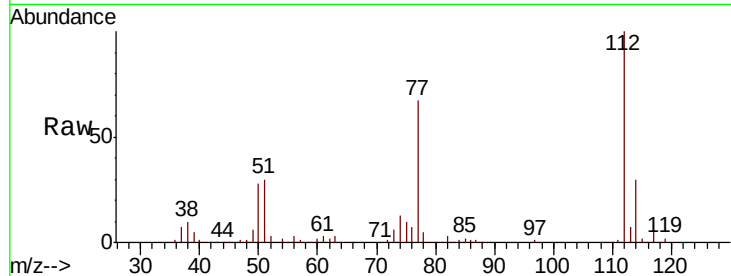




#65
Chlorobenzene
Concen: 51.885 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

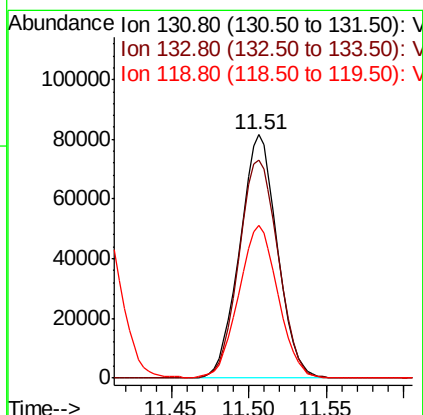
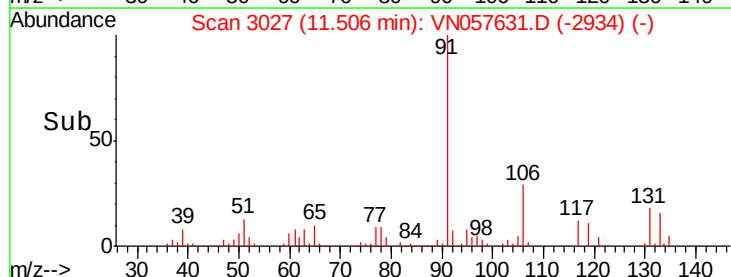
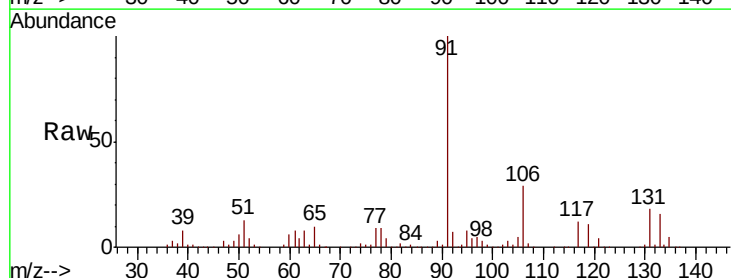
Instrument :
MSVOA_N
ClientSampled :

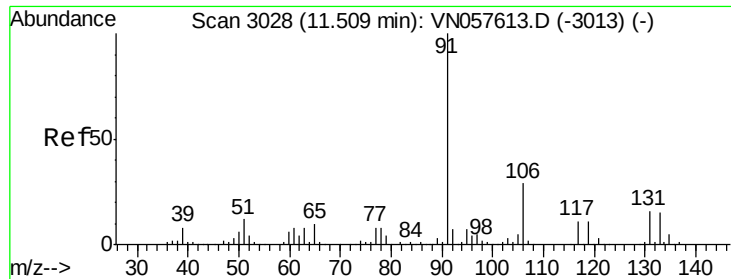
Tot Ion:112 Resp: 389368
Ion Ratio Lower Upper
112 100
114 30.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 52.744 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion:131 Resp: 138045
Ion Ratio Lower Upper
131 100
133 93.7 47.8 143.4
119 65.5 33.9 101.6

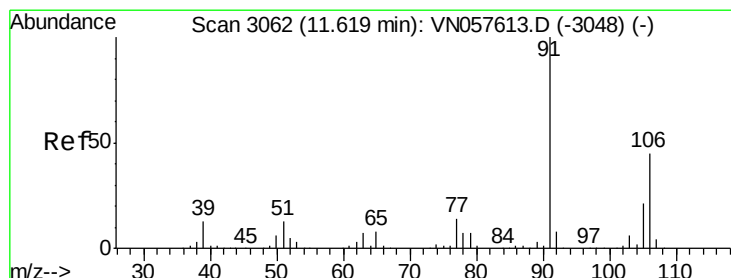
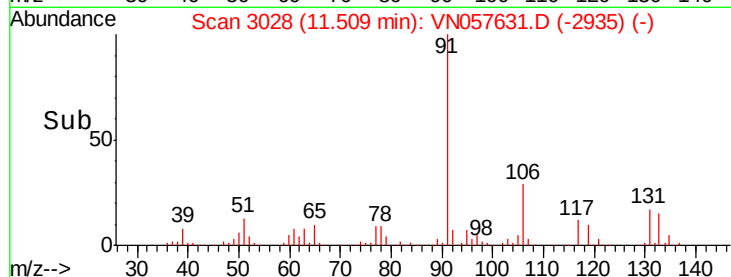
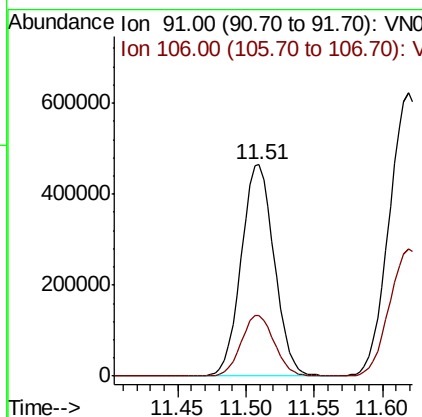
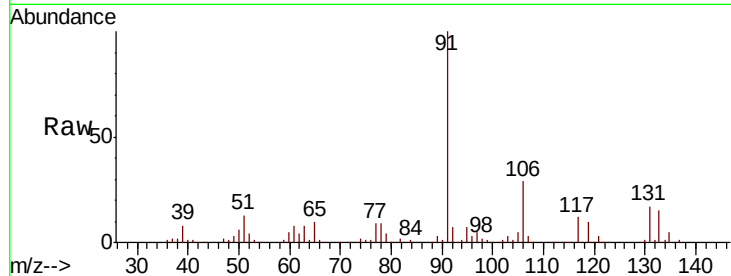




#67
Ethyl Benzene
Concen: 53.636 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

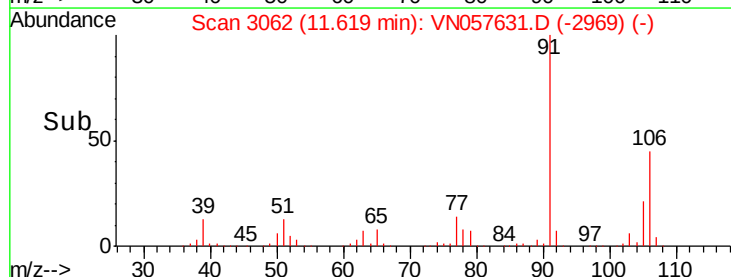
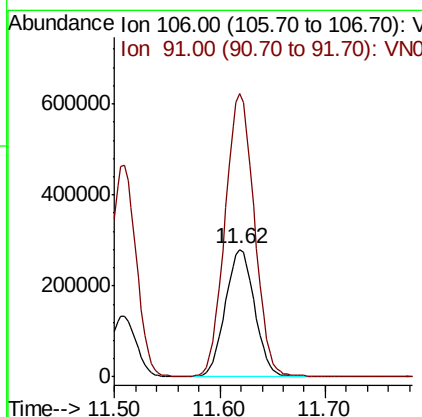
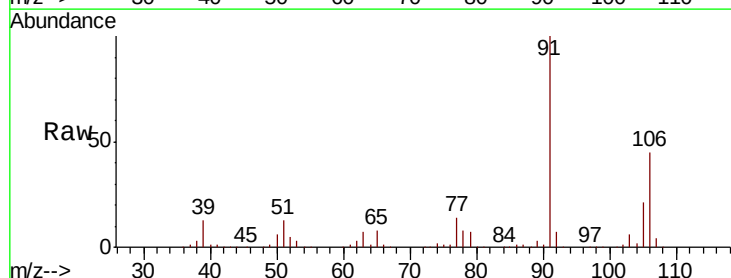
Instrument :
MSVOA_N
ClientSampleId :

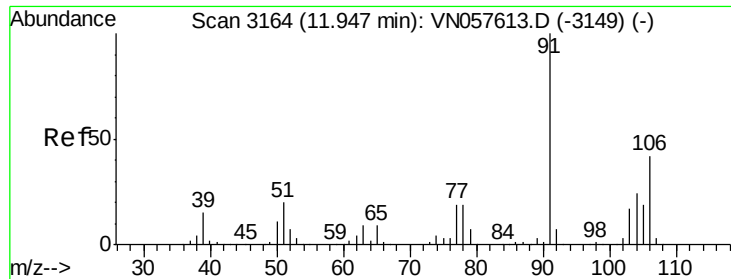
Tot Ion: 91 Resp: 782067
Ion Ratio Lower Upper
91 100
106 28.6 22.9 34.3



#68
m/p-Xylenes
Concen: 104.911 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 106 Resp: 538912
Ion Ratio Lower Upper
106 100
91 222.7 176.2 264.2

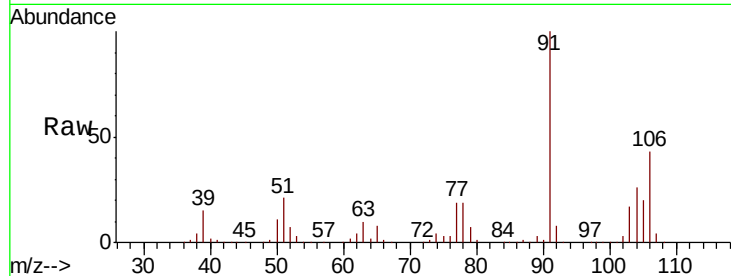




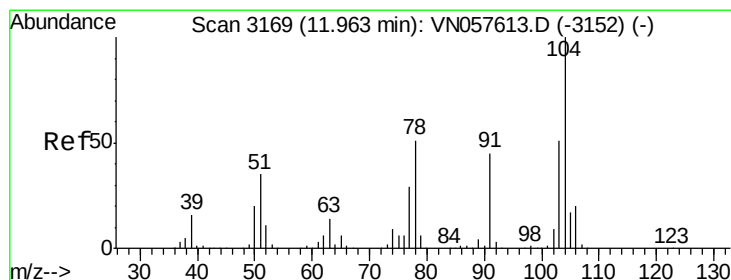
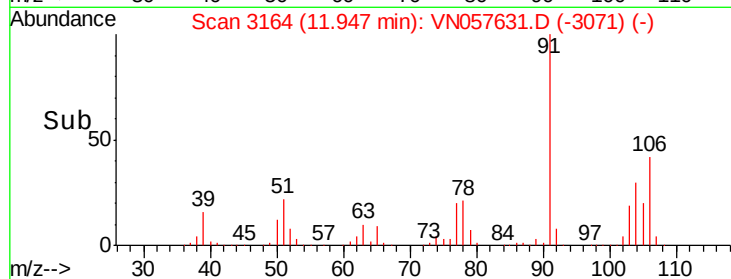
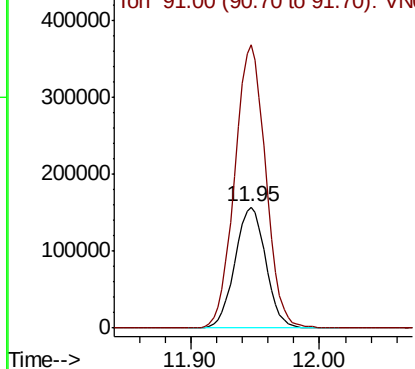
#69
o-Xylene
Concen: 52.220 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 259965
Ion Ratio Lower Upper
106 100
91 236.2 117.3 351.8

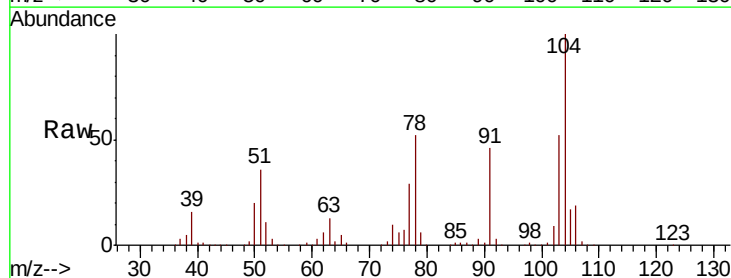


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

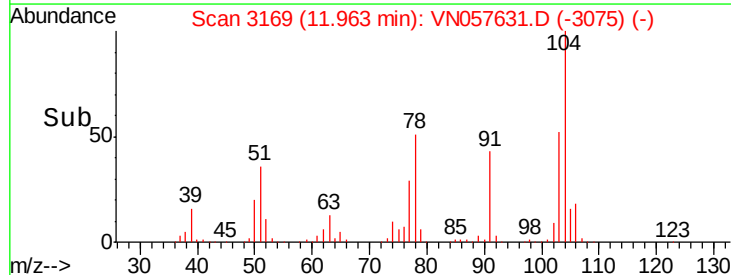
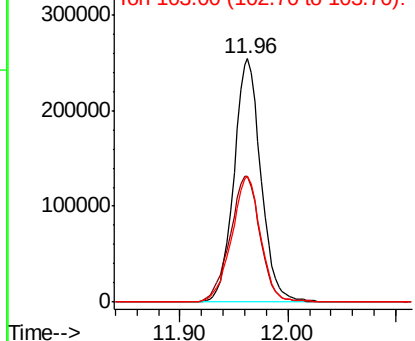


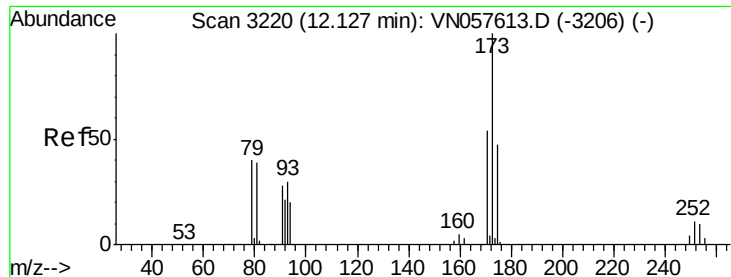
#70
Styrene
Concen: 49.509 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion:104 Resp: 443347
Ion Ratio Lower Upper
104 100
78 57.9 46.6 70.0
103 55.6 44.7 67.1



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





#71

Bromoform

Concen: 44.899 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampleId :

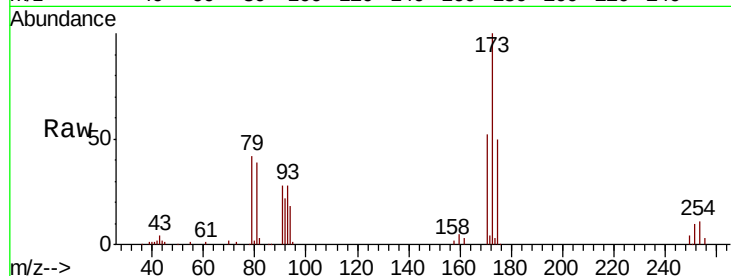
Tot Ion:173 Resp: 85928

Ion Ratio Lower Upper

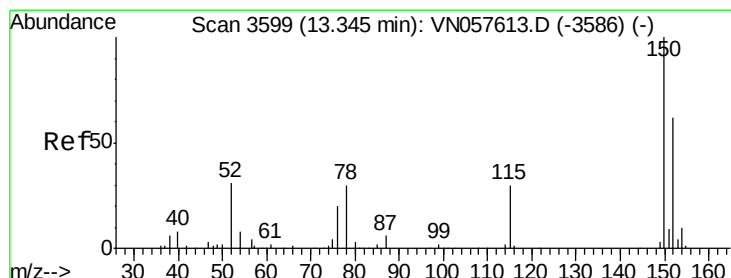
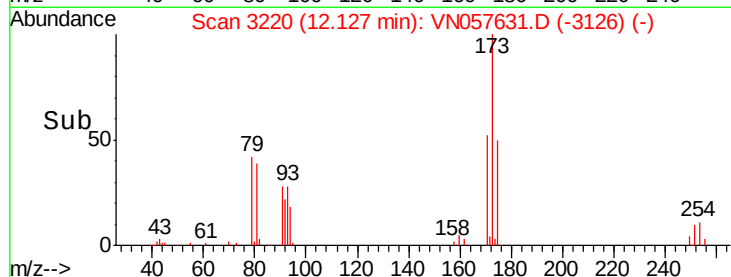
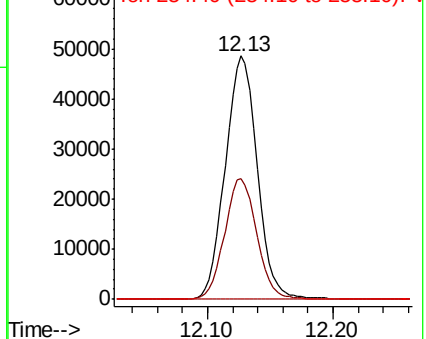
173 100

175 49.8 24.4 73.4

254 0.0 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

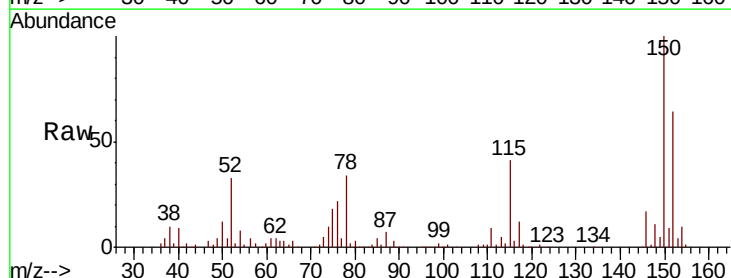
Tgt Ion:152 Resp: 147005

Ion Ratio Lower Upper

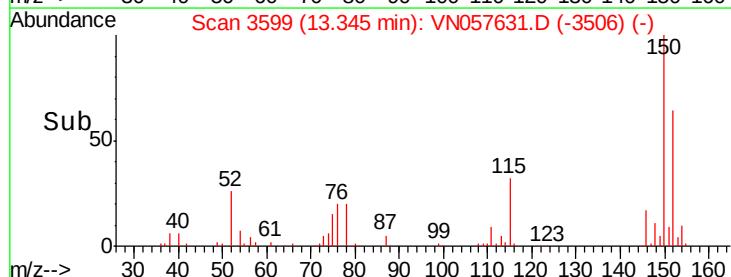
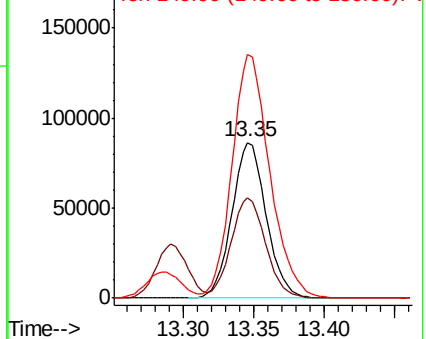
152 100

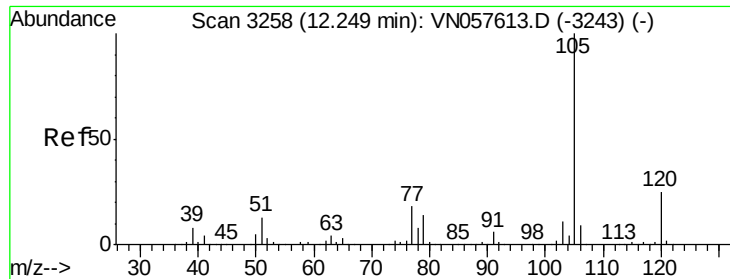
115 65.2 33.2 99.6

150 172.5 0.0 365.2



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: 49.948 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

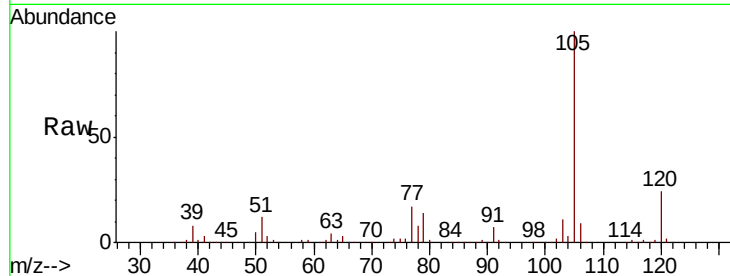
ClientSampleId :

Tot Ion:105 Resp: 741331

Ion Ratio Lower Upper

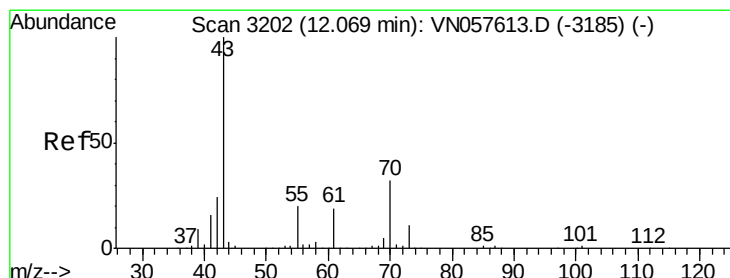
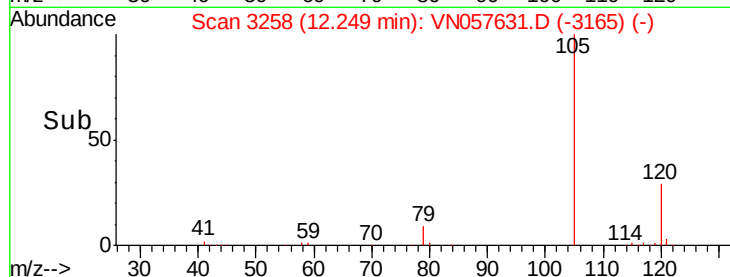
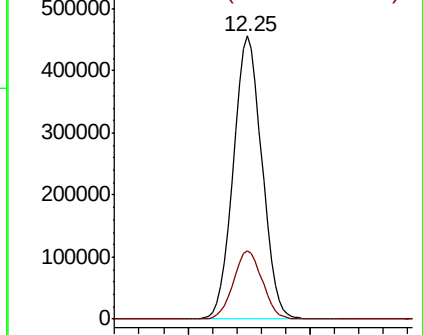
105 100

120 24.4 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.009 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Tgt Ion: 43 Resp: 343282

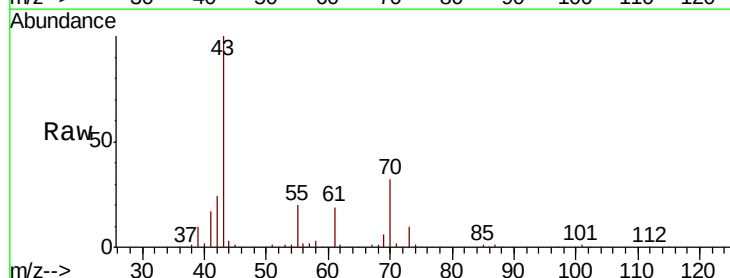
Ion Ratio Lower Upper

43 100

70 32.4 26.9 40.3

55 21.0 16.8 25.2

61 19.3 15.1 22.7

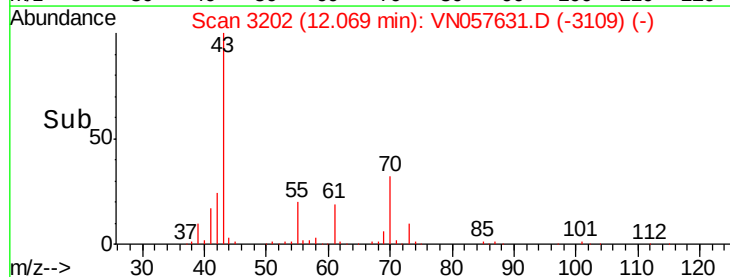
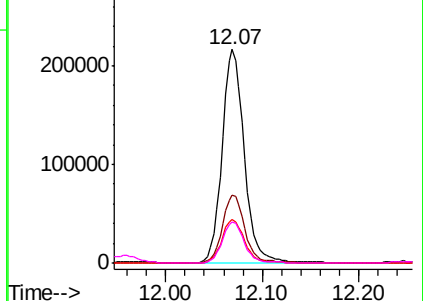


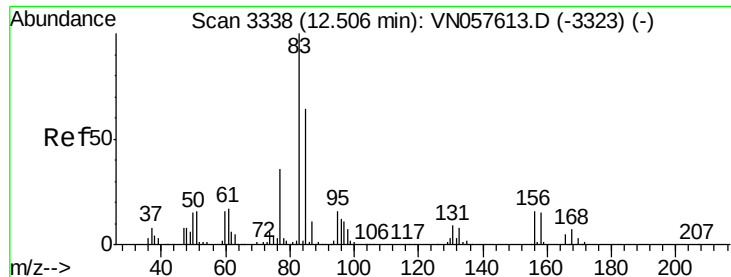
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.133 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampled :

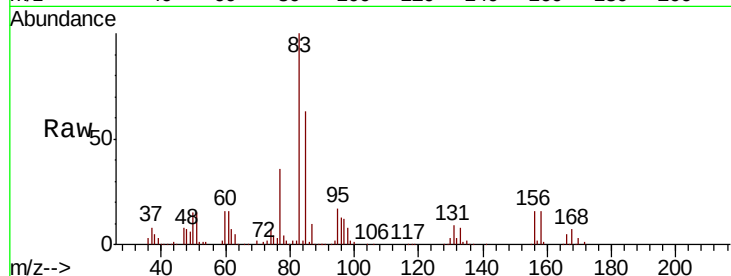
Tot Ion: 83 Resp: 206180

Ion Ratio Lower Upper

83 100

131 8.7 4.5 13.7

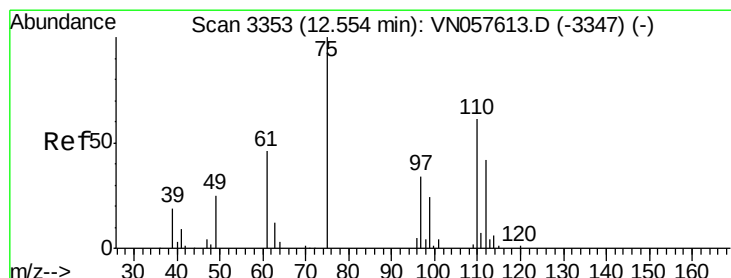
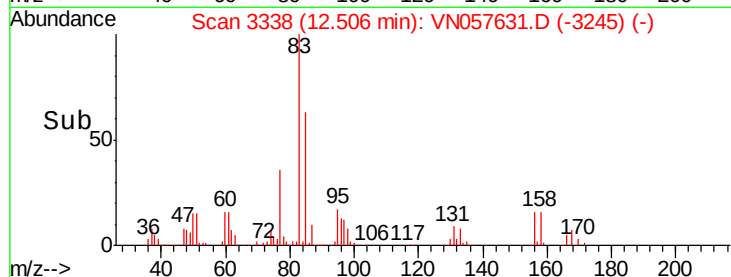
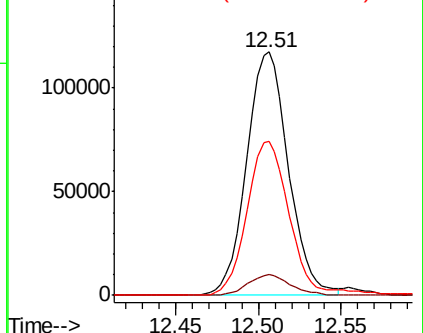
85 64.2 31.3 93.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 67.801 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057631.D

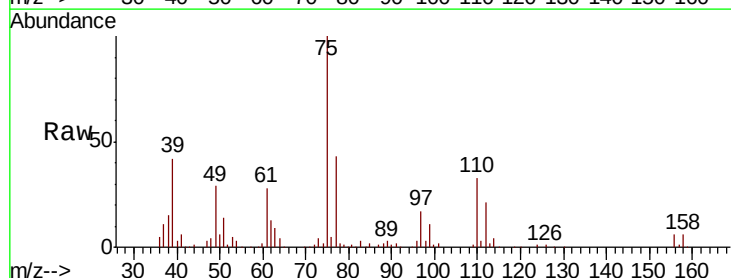
Acq: 31 Aug 2019 22:30

Tgt Ion: 75 Resp: 262179

Ion Ratio Lower Upper

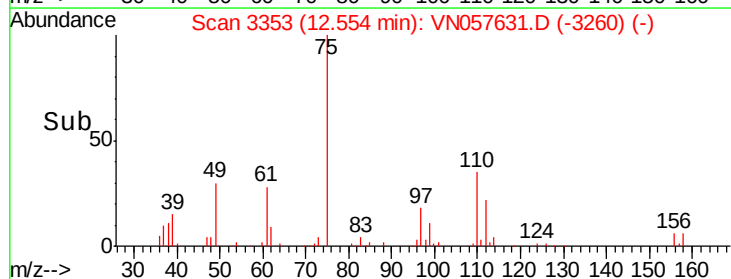
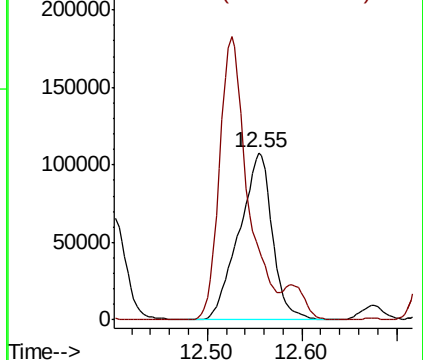
75 100

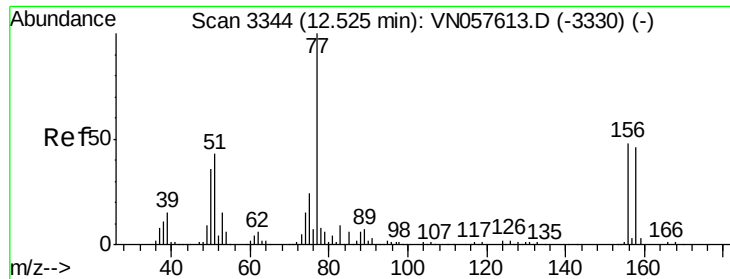
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.702 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

ClientSampled :

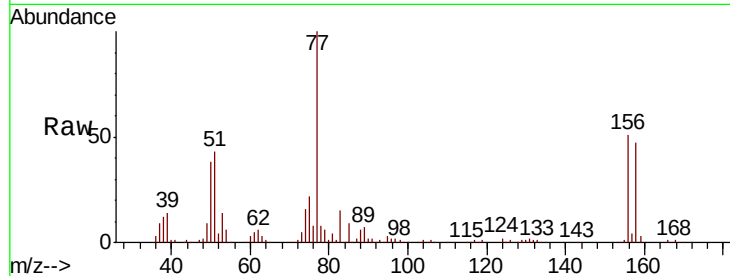
Tot Ion:156 Resp: 157008

Ion Ratio Lower Upper

156 100

77 241.8 123.5 370.5

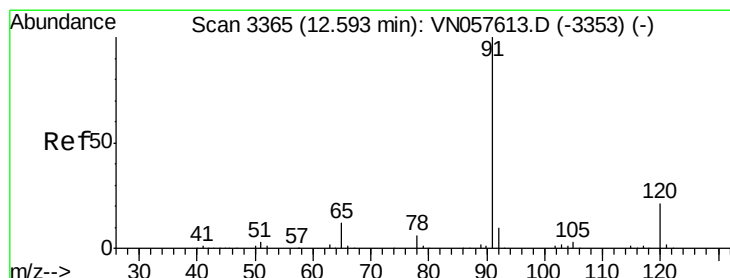
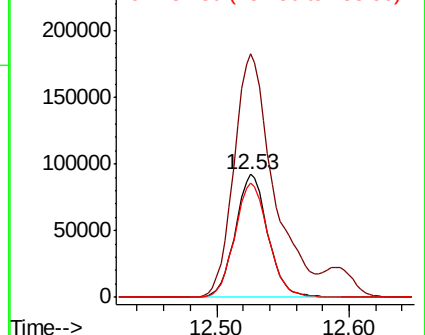
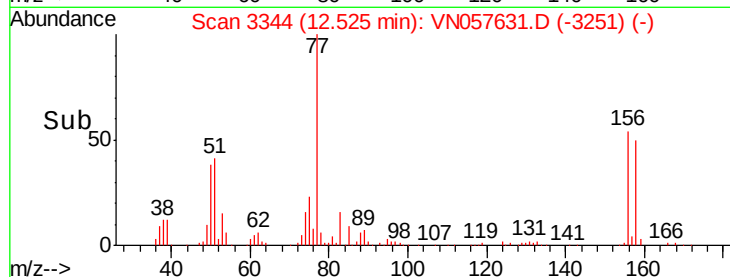
158 95.8 47.8 143.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.194 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057631.D

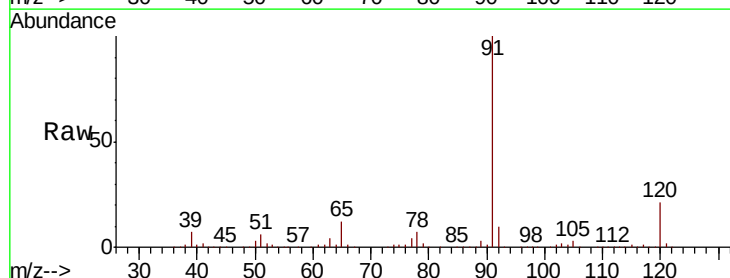
Acq: 31 Aug 2019 22:30

Tgt Ion: 91 Resp: 845709

Ion Ratio Lower Upper

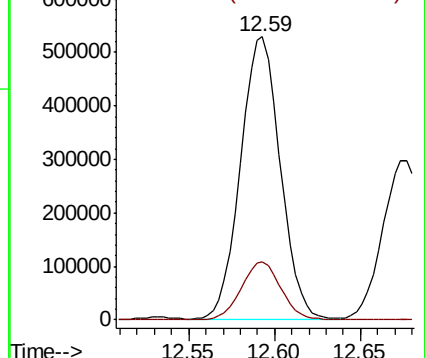
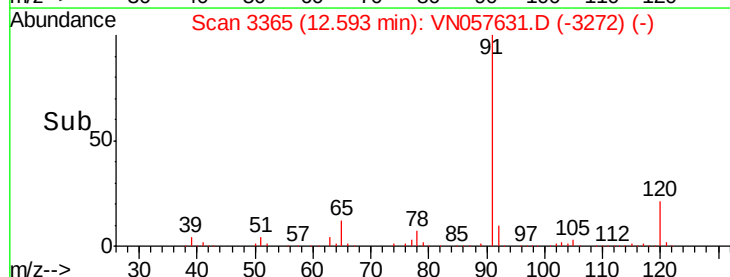
91 100

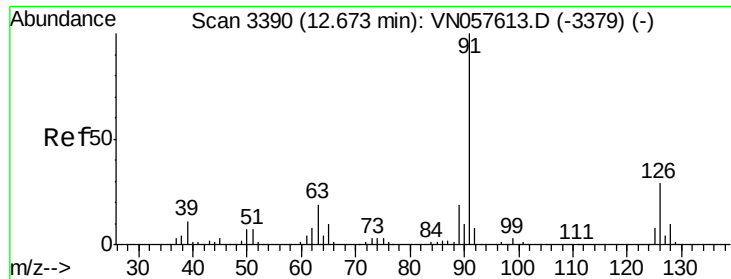
120 20.6 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

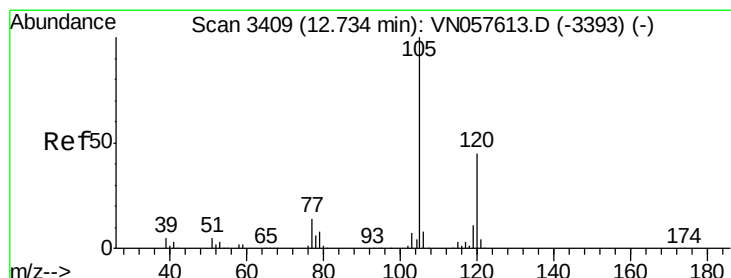
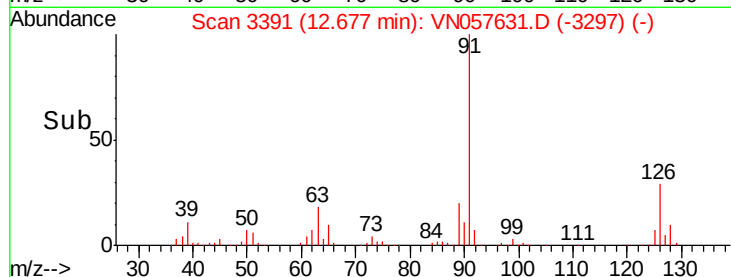
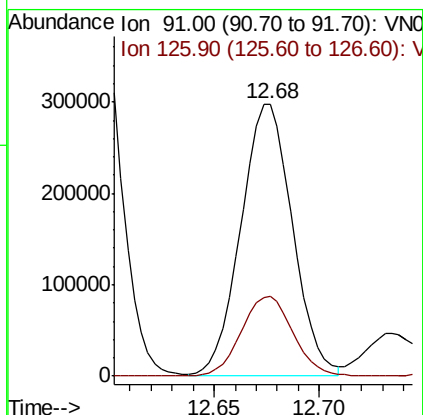
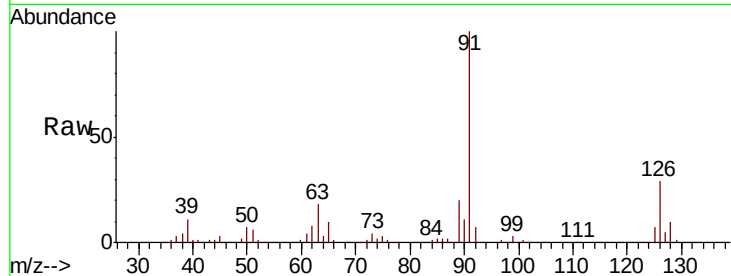




#79
 2-Chlorotoluene
 Concen: 48.886 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

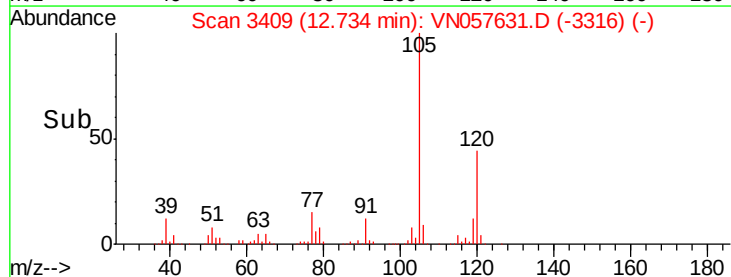
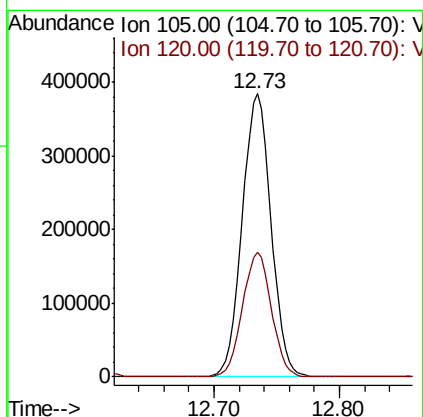
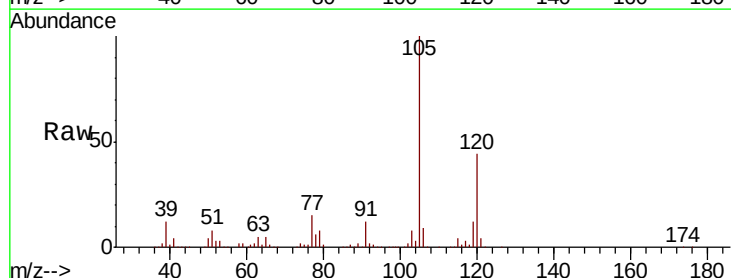
Instrument :
 MSVOA_N
 ClientSampleId :

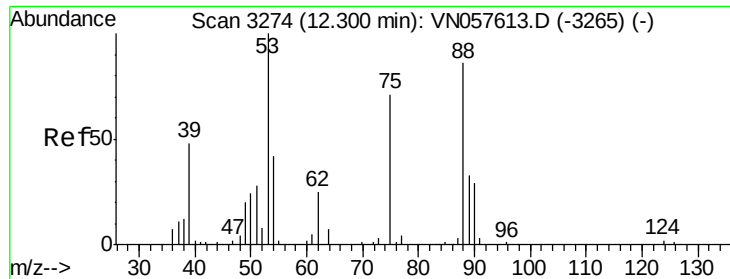
Tot Ion: 91 Resp: 503568
 Ion Ratio Lower Upper
 91 100
 126 29.8 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 50.388 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion: 105 Resp: 615255
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.6 67.8

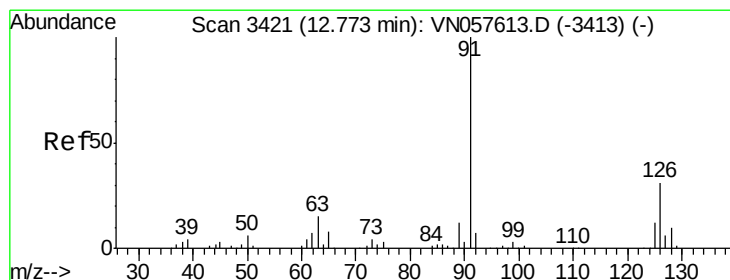
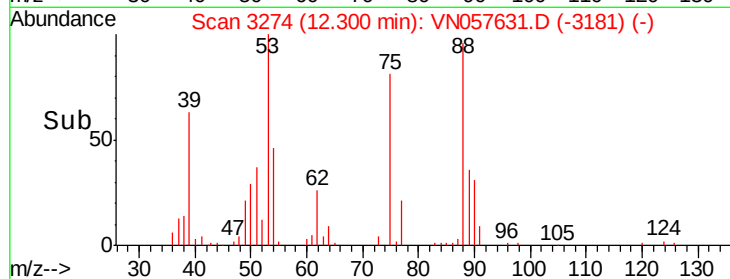
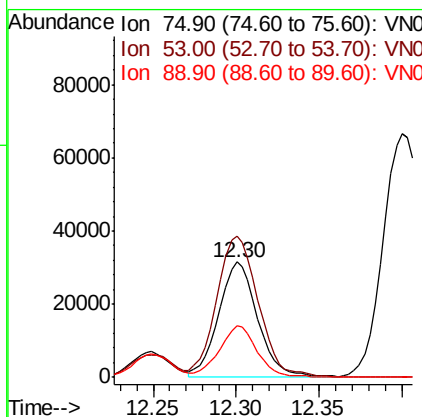
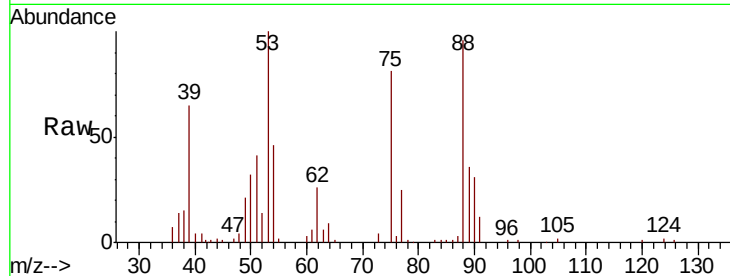




#81
trans-1,4-Dichloro-2-butene
Concen: 44.663 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 22:30

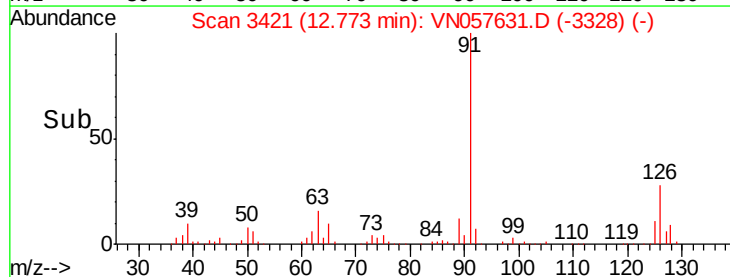
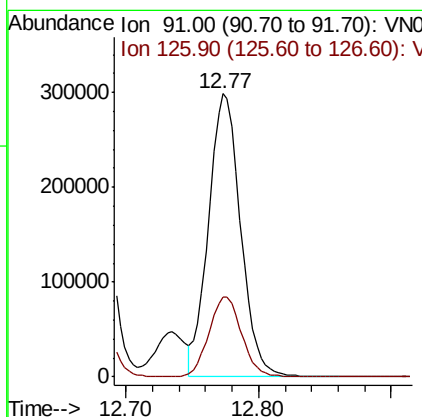
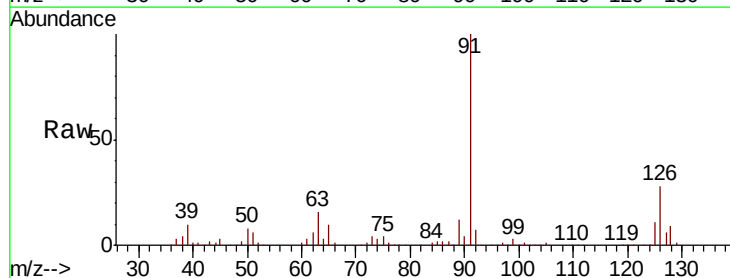
Instrument :
MSVOA_N
ClientSampleId :

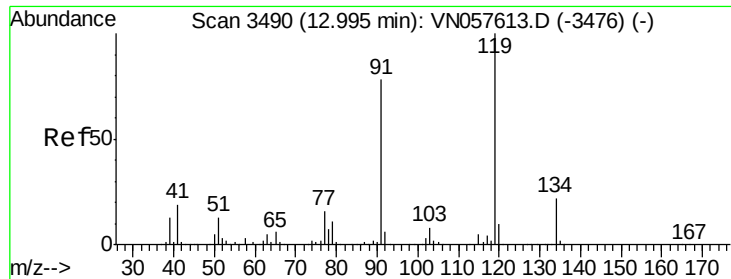
Tot Ion: 75 Resp: 50384
Ion Ratio Lower Upper
75 100
53 134.8 111.0 166.6
89 44.7 38.3 57.5



#82
4-Chlorotoluene
Concen: 49.161 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057613.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 91 Resp: 501264
Ion Ratio Lower Upper
91 100
126 28.9 14.4 43.2

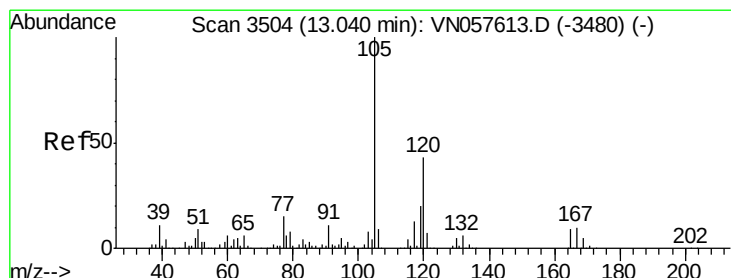
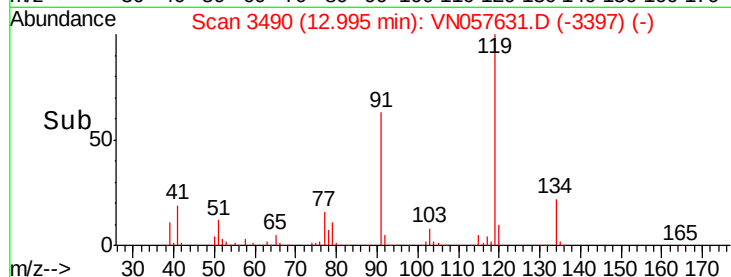
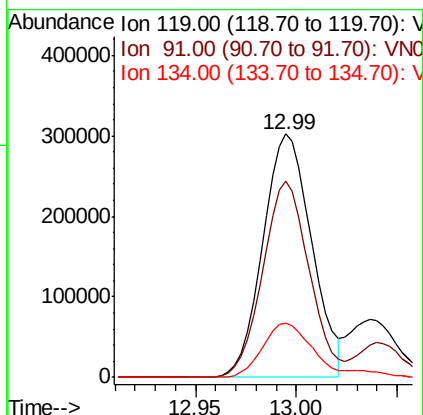
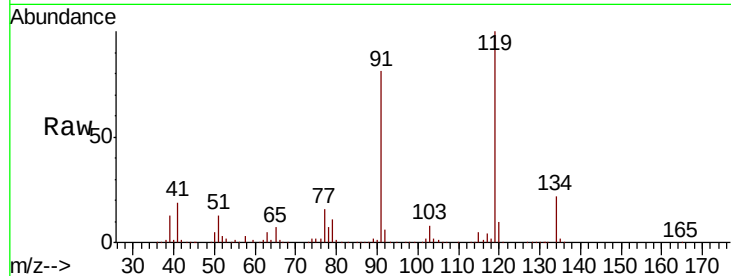




#83
 tert-Butylbenzene
 Concen: 49.014 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

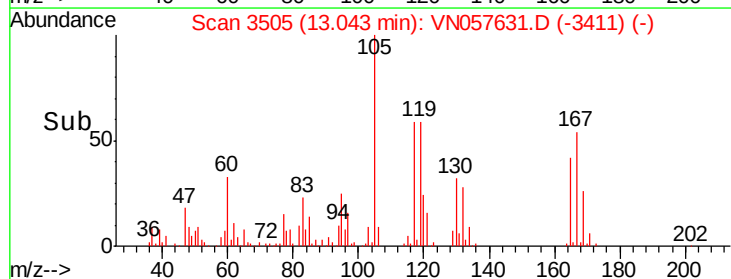
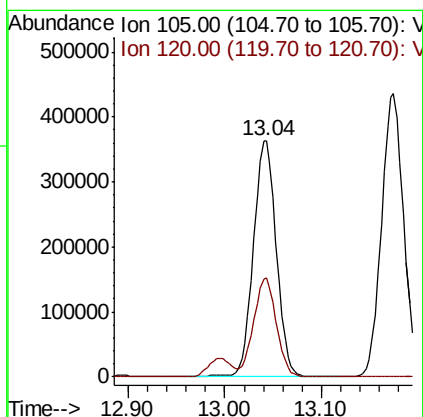
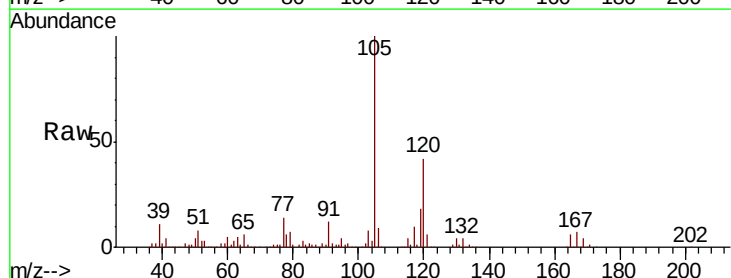
Instrument :
 MSVOA_N
 ClientSampleId :

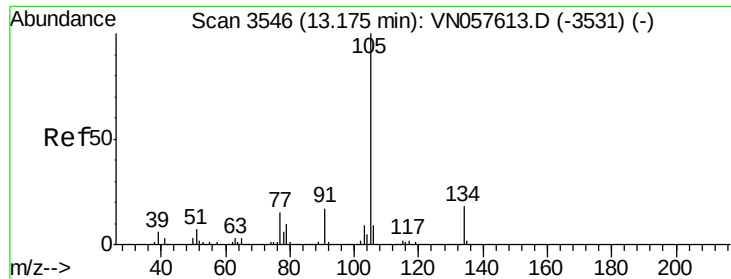
Tot Ion:119 Resp: 507810
 Ion Ratio Lower Upper
 119 100
 91 77.1 38.3 114.9
 134 24.4 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 50.524 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion:105 Resp: 596845
 Ion Ratio Lower Upper
 105 100
 120 41.4 20.8 62.5





#85

sec-Butylbenzene

Concen: 49.436 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

Instrument :

MSVOA_N

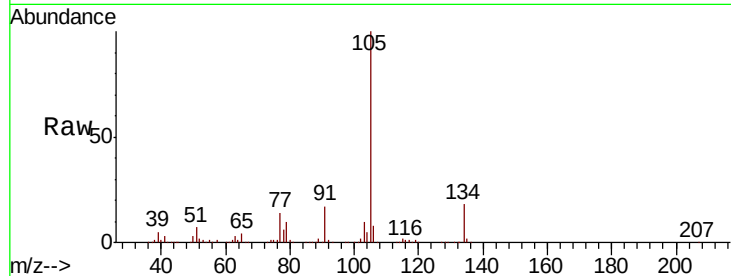
ClientSampled :

Tot Ion:105 Resp: 688921

Ion Ratio Lower Upper

105 100

134 18.0 8.9 26.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

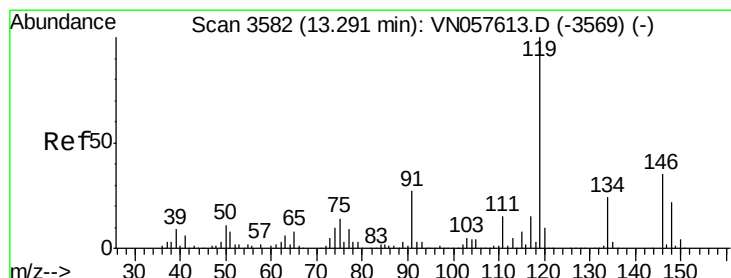
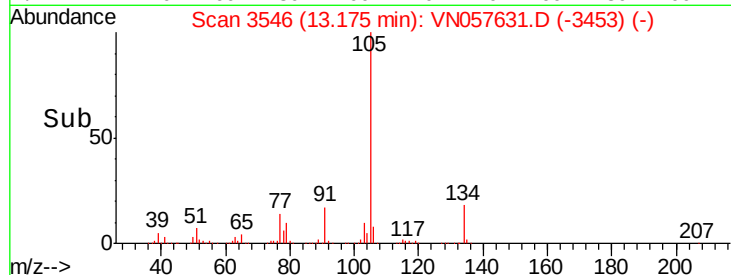
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.627 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057631.D

Acq: 31 Aug 2019 22:30

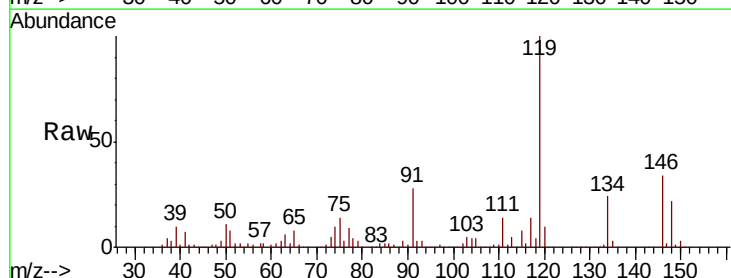
Tgt Ion:119 Resp: 583468

Ion Ratio Lower Upper

119 100

134 24.1 11.9 35.5

91 28.3 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

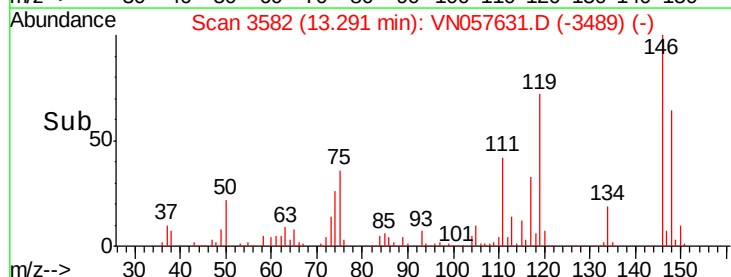
300000

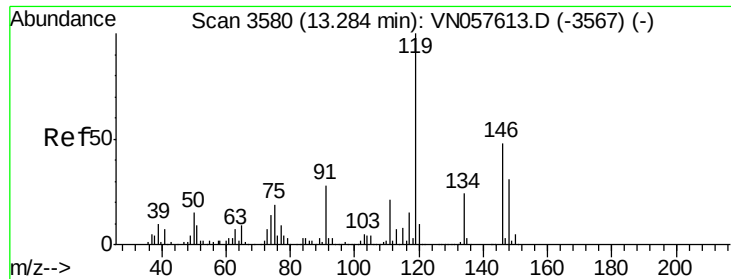
200000

100000

0

Time-->

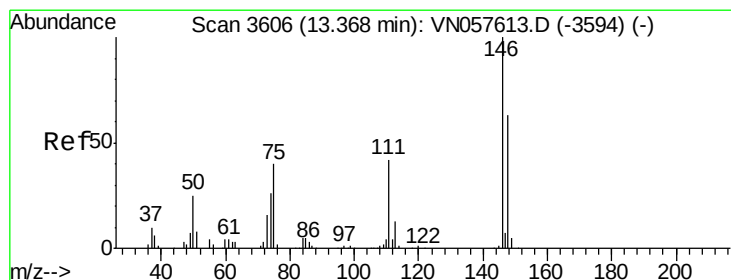
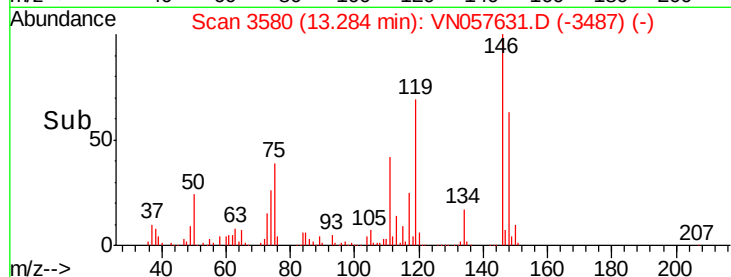
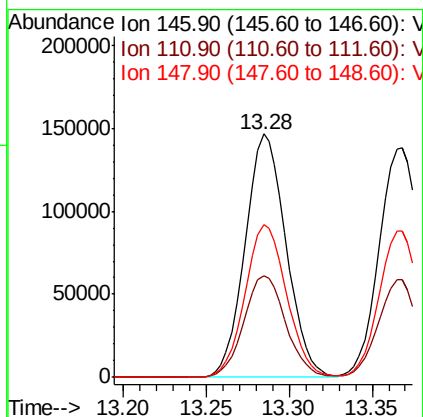
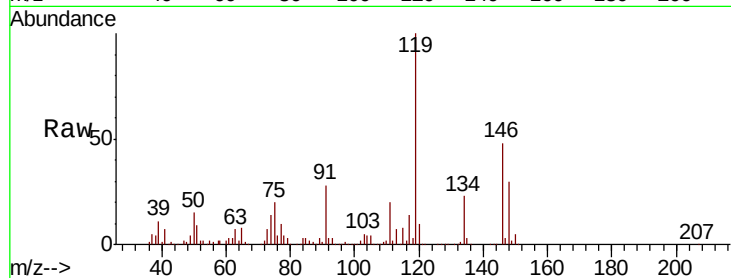




#87
 1,3-Dichlorobenzene
 Concen: 48.913 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

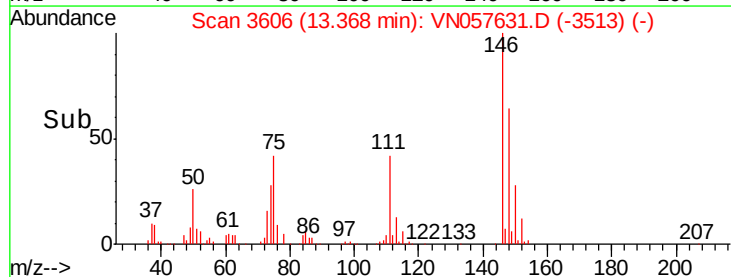
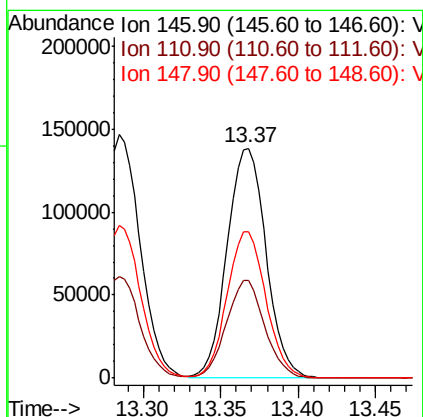
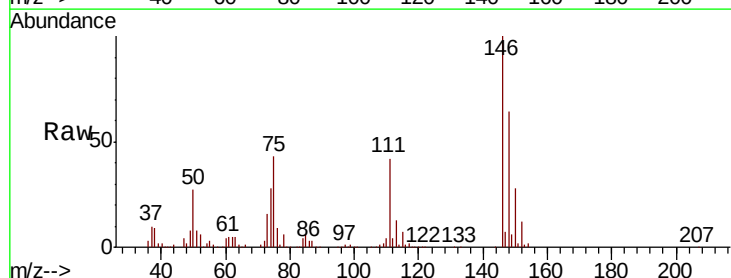
Instrument :
 MSVOA_N
 ClientSampleId :

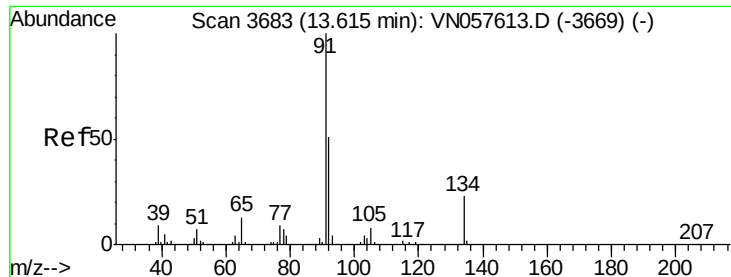
Tot Ion:146 Resp: 251723
 Ion Ratio Lower Upper
 146 100
 111 42.7 21.8 65.3
 148 63.7 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 48.704 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion:146 Resp: 242116
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.6 65.0
 148 63.6 32.2 96.6

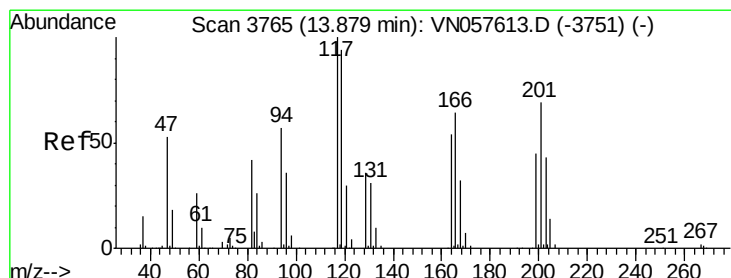
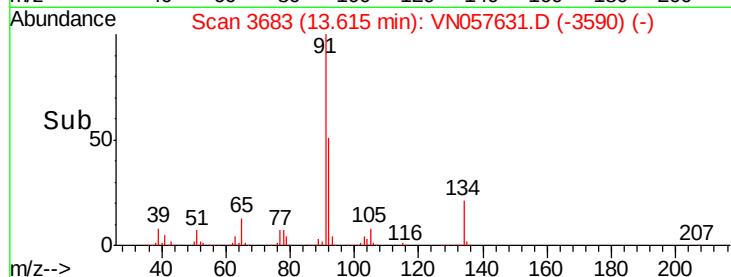
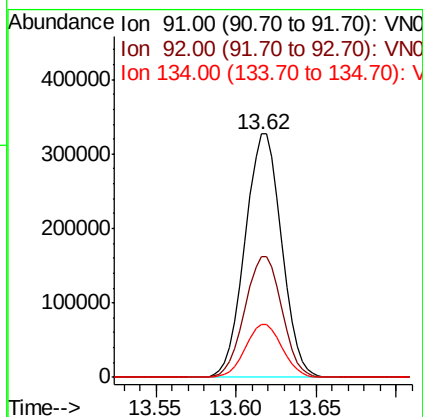
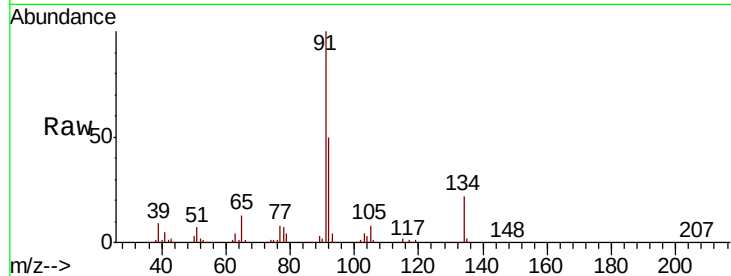




#89
n-Butylbenzene
Concen: 47.225 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

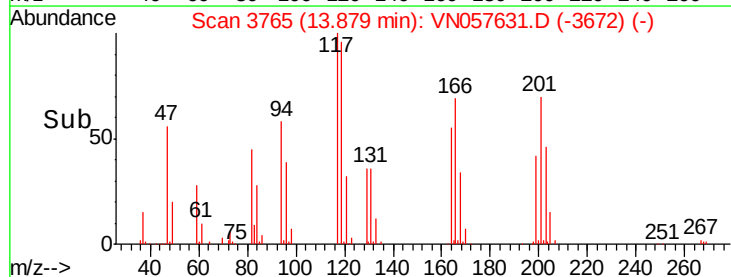
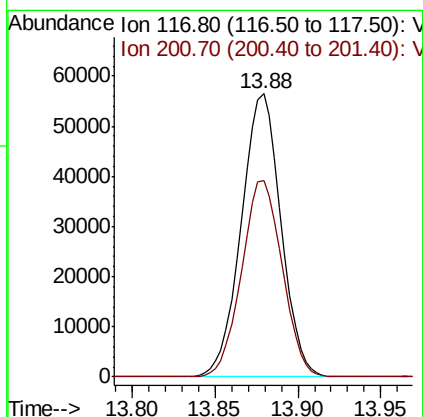
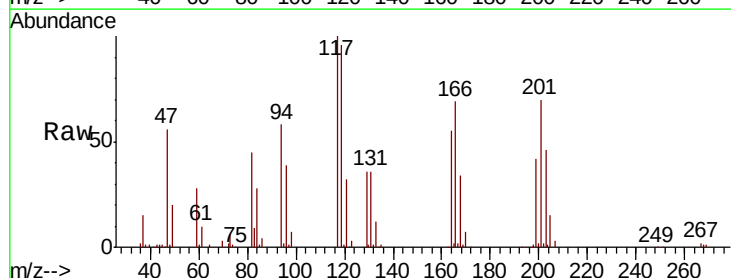
Instrument :
MSVOA_N
ClientSampled :

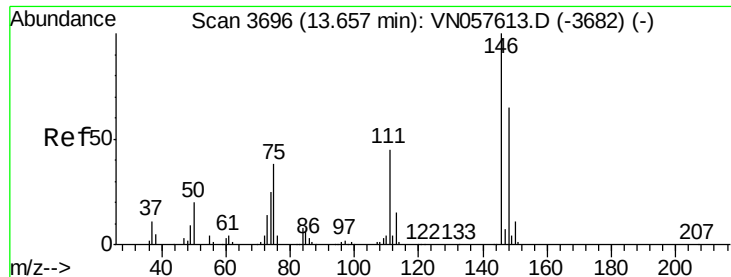
Tot Ion: 91 Resp: 510042
Ion Ratio Lower Upper
91 100
92 50.3 25.4 76.0
134 21.9 11.0 33.0



#90
Hexachloroethane
Concen: 46.952 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion: 117 Resp: 93943
Ion Ratio Lower Upper
117 100
201 70.9 34.4 103.2

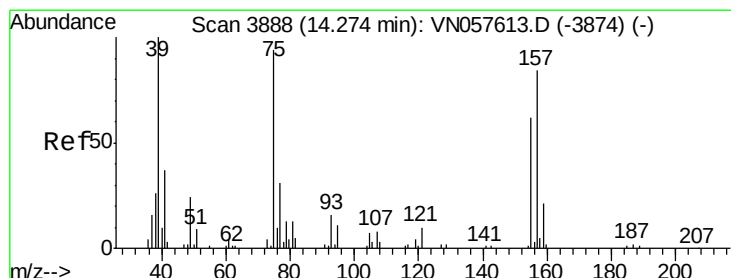
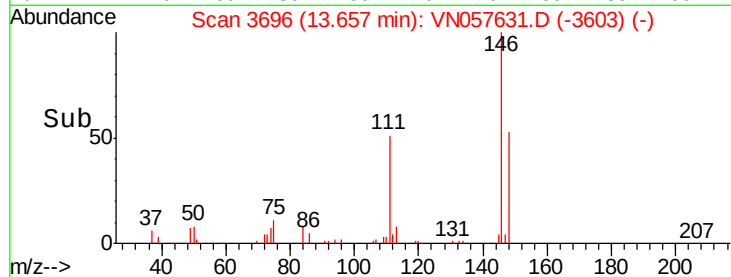
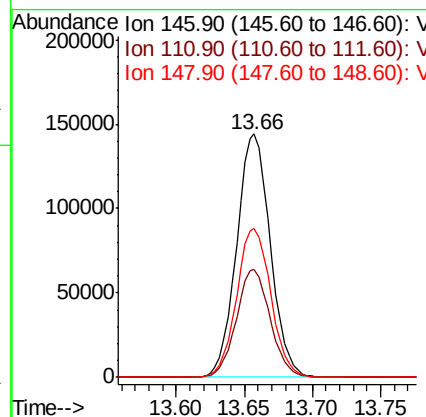
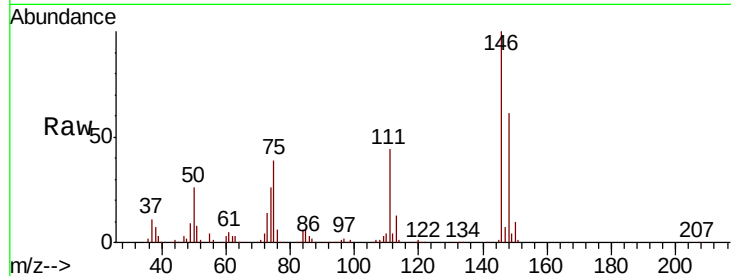




#91
 1,2-Dichlorobenzene
 Concen: 50.316 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

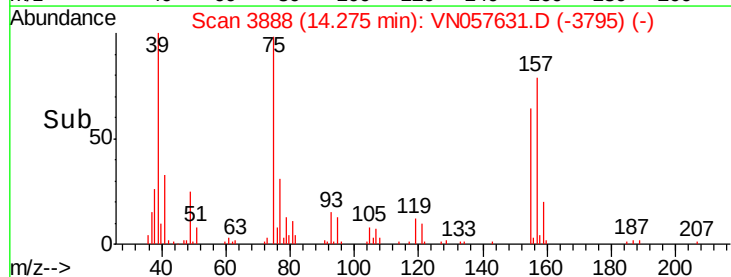
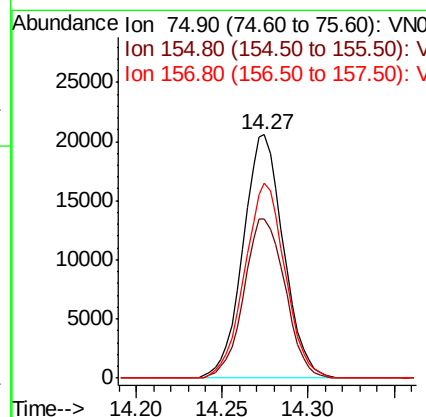
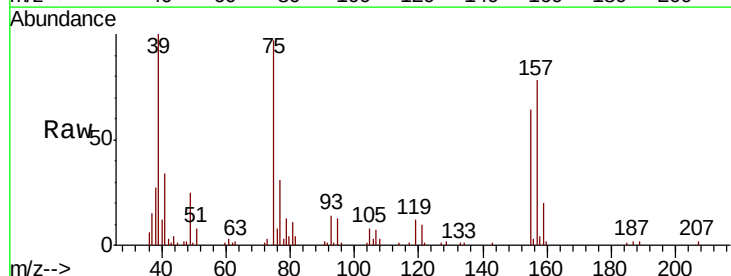
Instrument :
 MSVOA_N
 ClientSampleId :

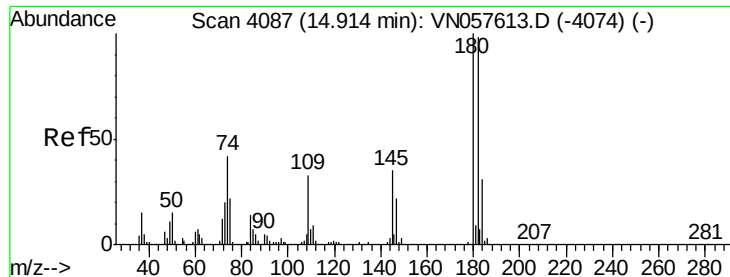
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	22.1	66.5
148	62.4	31.6	94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.958 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.4	30.1	90.5
157	80.1	41.4	124.4

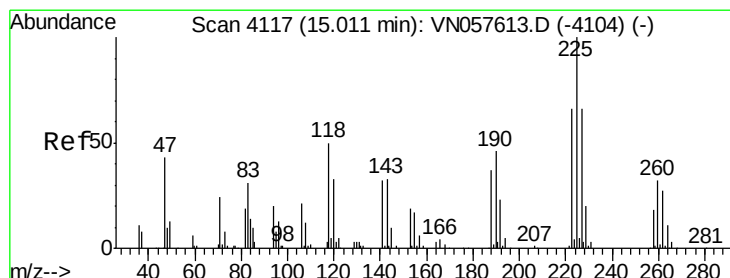
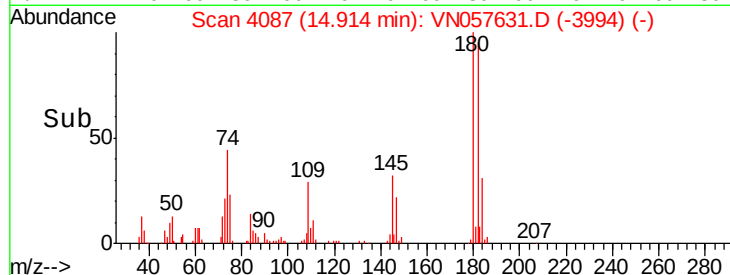
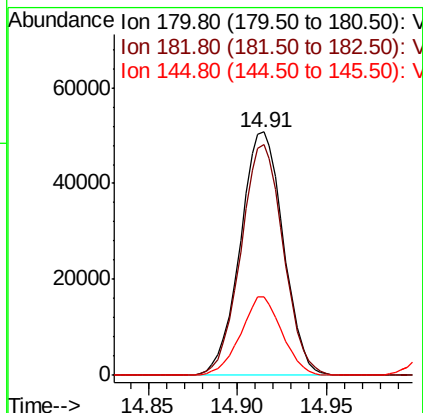
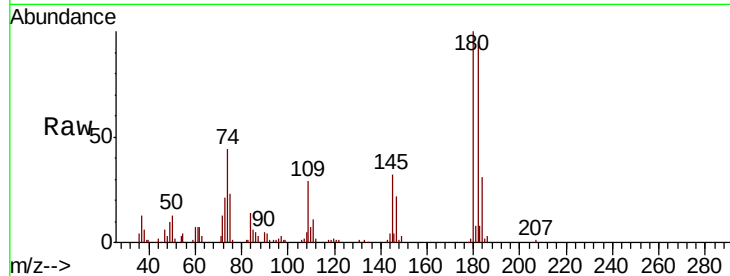




#93
 1,2,4-Trichlorobenzene
 Concen: 41.649 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

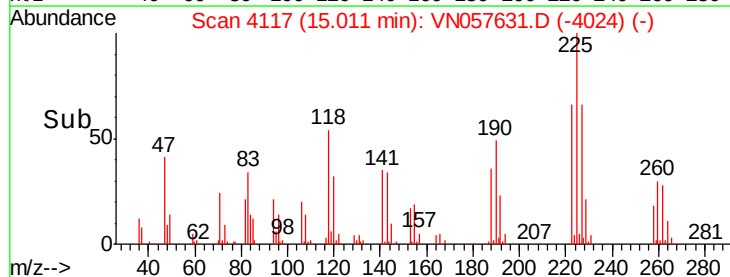
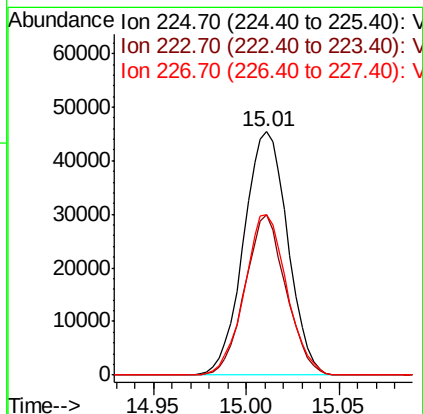
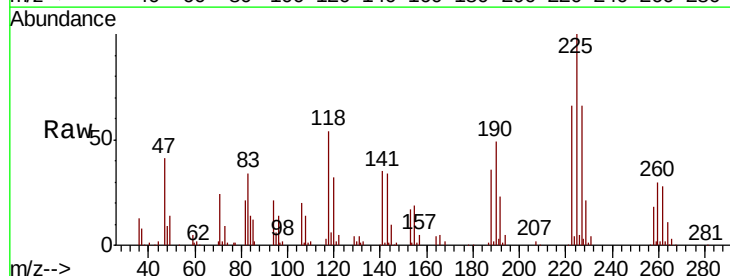
Instrument :
 MSVOA_N
 ClientSampleId :

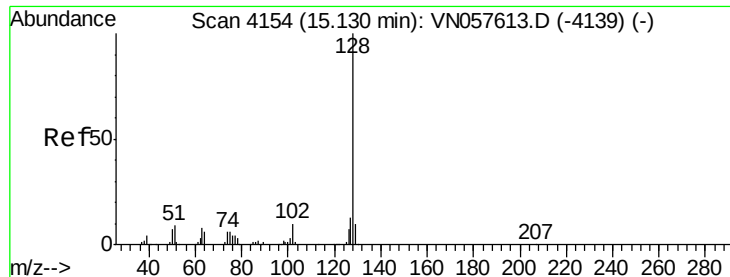
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	47.8	143.3
145	31.0	16.9	50.7



#94
 Hexachlorobutadiene
 Concen: 44.621 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057631.D
 Acq: 31 Aug 2019 22:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.0	32.3	96.8
227	63.6	32.4	97.2

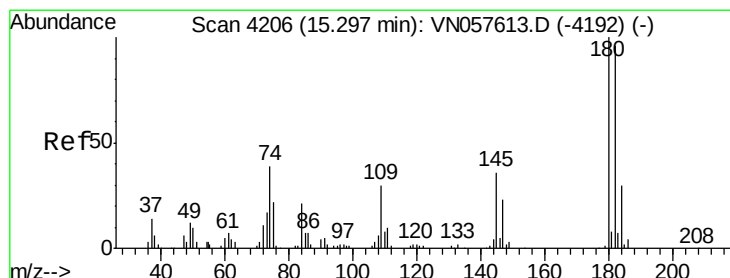
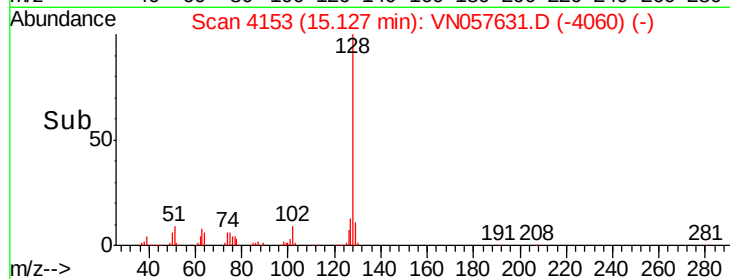
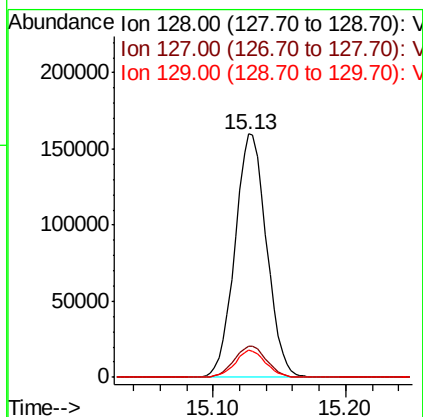
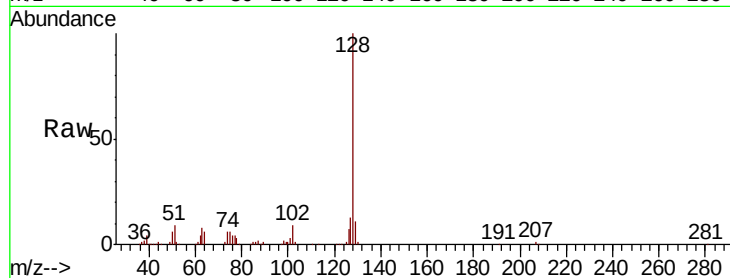




#95
Naphthalene
Concen: 43.086 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 264383
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 39.999 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057631.D
Acq: 31 Aug 2019 22:30

Tgt Ion:180 Resp: 81377
Ion Ratio Lower Upper
180 100
182 99.7 46.3 138.9
145 36.7 17.8 53.3

