

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057292.D
 Acq On : 14 Aug 2019 17:27
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 14 19:37:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 19:33:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	929965	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1354620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1240863	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	514179	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	486075	51.87	ug/l	0.00
Spiked Amount			Recovery	=	103.74%	
35) Dibromofluoromethane	7.58	113	427325	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	10.09	98	1621810	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.40	95	559669	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	374698	48.081	ug/l	100
3) Chloromethane	2.05	50	435458	49.242	ug/l	100
4) Vinyl Chloride	2.18	62	414743	48.398	ug/l	100
5) Bromomethane	2.53	94	299285	49.570	ug/l	100
6) Chloroethane	2.69	64	286772	51.633	ug/l	100
7) Trichlorofluoromethane	3.01	101	658436	48.635	ug/l	100
8) Diethyl Ether	3.40	74	250223	50.686	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	390794	48.112	ug/l	100
10) Methyl Iodide	3.95	142	650902	51.681	ug/l	100
11) Tert butyl alcohol	4.76	59	347402	269.913	ug/l	100
12) 1,1-Dichloroethene	3.73	96	392069	48.530	ug/l	100
13) Acrolein	3.60	56	203085	229.261	ug/l	100
14) Allyl chloride	4.32	41	630957	51.217	ug/l	100
15) Acrylonitrile	4.97	53	965340	268.944	ug/l	100
16) Acetone	3.80	43	825389	256.445	ug/l	100
17) Carbon Disulfide	4.05	76	1048990	47.721	ug/l	100
18) Methyl Acetate	4.31	43	453634	41.061	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	1235031	50.888	ug/l	100
20) Methylene Chloride	4.54	84	455299	48.400	ug/l	100
21) trans-1,2-Dichloroethene	5.03	96	414757	48.253	ug/l	100
22) Diisopropyl ether	5.94	45	1240059	51.025	ug/l	100
23) Vinyl Acetate	5.88	43	5119550	265.550	ug/l	100
24) 1,1-Dichloroethane	5.84	63	756376	49.673	ug/l	100
25) 2-Butanone	6.82	43	1243015	269.026	ug/l	100
26) 2,2-Dichloropropane	6.81	77	623410	50.172	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	491214	49.457	ug/l	100
28) Bromochloromethane	7.18	49	337163	49.716	ug/l	100
29) Tetrahydrofuran	7.20	42	784524	266.023	ug/l	100
30) Chloroform	7.36	83	778010	48.823	ug/l	100
31) Cyclohexane	7.65	56	636098	48.056	ug/l	100
32) 1,1,1-Trichloroethane	7.56	97	693495	51.467	ug/l	100
36) 1,1-Dichloropropene	7.79	75	565596	48.105	ug/l	100
37) Ethyl Acetate	6.91	43	507224	52.694	ug/l	100
38) Carbon Tetrachloride	7.77	117	602509	48.181	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	675414	48.594	ug/l	100
40) Benzene	8.03	78	1765996	49.143	ug/l	100
41) Methacrylonitrile	7.20	41	708387	176.170	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	584169	50.604	ug/l	100
43) Isopropyl Acetate	8.16	43	906728	56.679	ug/l	100
44) Trichloroethene	8.83	130	489458	47.265	ug/l	100
45) 1,2-Dichloropropane	9.11	63	453473	49.728	ug/l	100
46) Dibromomethane	9.20	93	303214	49.445	ug/l	100
47) Bromodichloromethane	9.40	83	609410	51.440	ug/l	100
48) Methyl methacrylate	9.19	41	406329	55.385	ug/l	100
49) 1,4-Dioxane	9.19	88	169509	1028.705	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	2511806	269.602	ug/l	100
52) Toluene	10.15	92	1122028	50.324	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	666363	52.596	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	740423	51.873	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	438733	50.135	ug/l	100
56) Ethyl methacrylate	10.43	69	670504	54.283	ug/l	100
57) 1,3-Dichloropropane	10.70	76	732284	50.680	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	876447	282.147	ug/l	100
59) 2-Hexanone	10.75	43	1843386	278.397	ug/l	100
60) Dibromochloromethane	10.90	129	502361	51.171	ug/l	100
61) 1,2-Dibromoethane	11.00	107	470023	51.691	ug/l	100
64) Tetrachloroethene	10.63	164	495238	45.399	ug/l	100
65) Chlorobenzene	11.43	112	1217381	48.191	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	474729	48.646	ug/l	100
67) Ethyl Benzene	11.51	91	2148725	49.693	ug/l	100
68) m/p-Xylenes	11.62	106	1629593	100.888	ug/l	100
69) o-Xylene	11.95	106	797665	50.371	ug/l	100
70) Styrene	11.96	104	1310598	53.537	ug/l	100
71) Bromoform	12.13	173	386849	51.566	ug/l #	100
73) Isopropylbenzene	12.25	105	2148506	45.056	ug/l	100
74) N-amyl acetate	12.07	43	683885	49.149	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	608589	44.462	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	768398	70.647	ug/l #	100
77) Bromobenzene	12.53	156	562874	43.364	ug/l	100
78) n-propylbenzene	12.59	91	2267619	47.228	ug/l	100
79) 2-Chlorotoluene	12.67	91	1386938	45.191	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1773377	45.862	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	202835	52.325	ug/l	100
82) 4-Chlorotoluene	12.77	91	1346503	47.929	ug/l	100
83) tert-Butylbenzene	12.99	119	1577308	43.700	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1683078	46.542	ug/l	100
85) sec-Butylbenzene	13.17	105	1960895	45.354	ug/l	100
86) p-Isopropyltoluene	13.29	119	1726175	45.795	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	860737	48.474	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	798245	46.306	ug/l	100
89) n-Butylbenzene	13.62	91	1274655	48.117	ug/l	100
90) Hexachloroethane	13.88	117	328128	44.546	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	817985	47.367	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	85301	49.565	ug/l	100

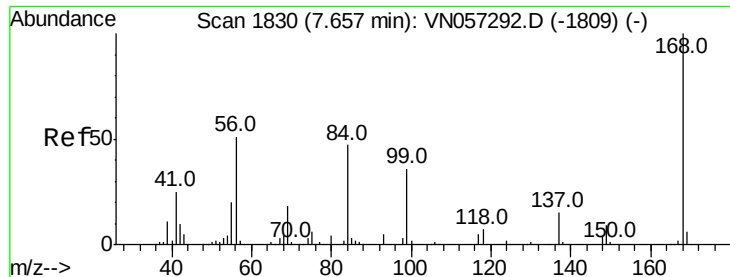
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	294790	47.566	ug/l	100
94) Hexachlorobutadiene	15.01	225	342405	41.211	ug/l	100
95) Naphthalene	15.13	128	579644	47.619	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	269437	42.898	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

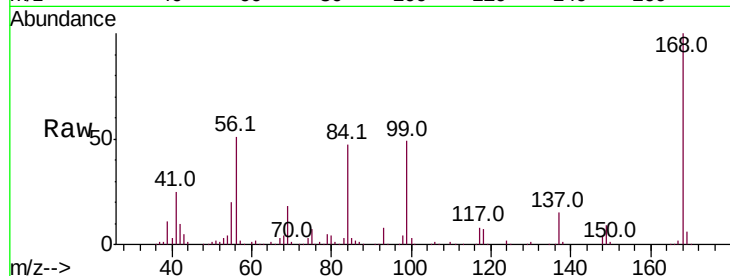
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 929965

Ion Ratio Lower Upper

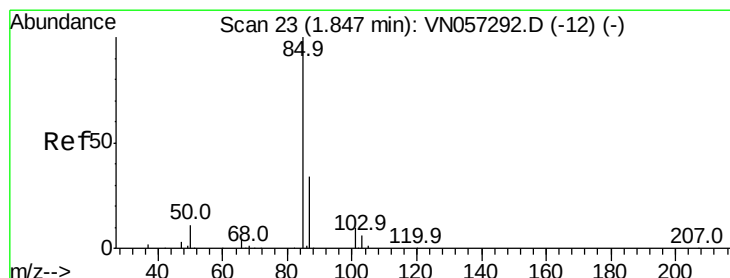
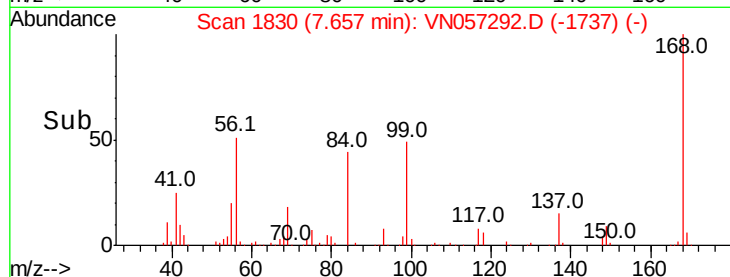
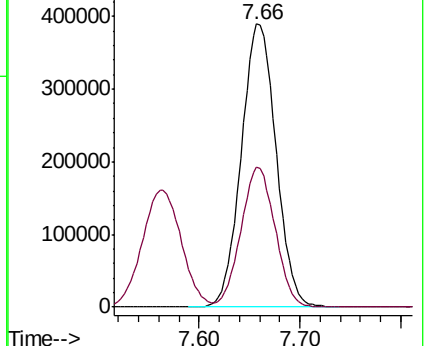
168 100

99 49.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 48.081 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057292.D

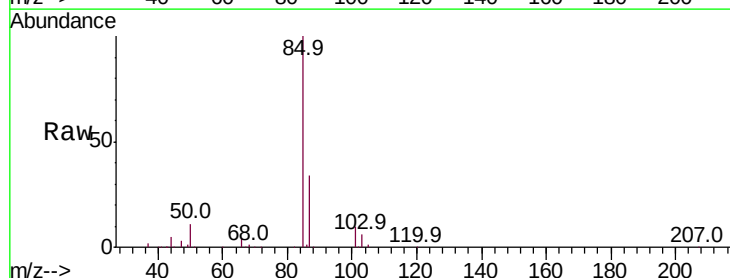
Acq: 14 Aug 2019 17:27

Tgt Ion: 85 Resp: 374698

Ion Ratio Lower Upper

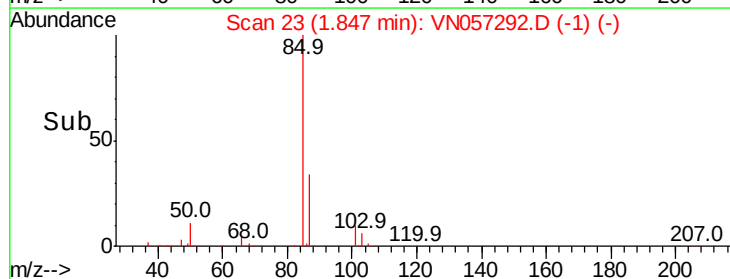
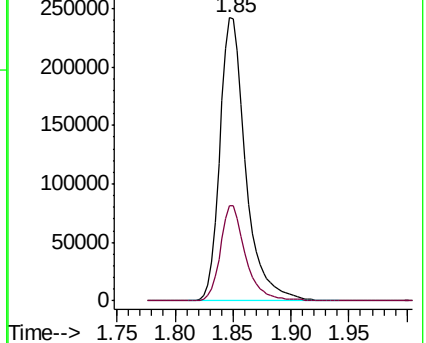
85 100

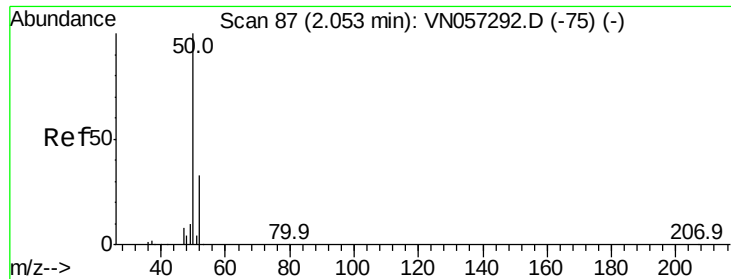
87 33.8 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 49.242 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

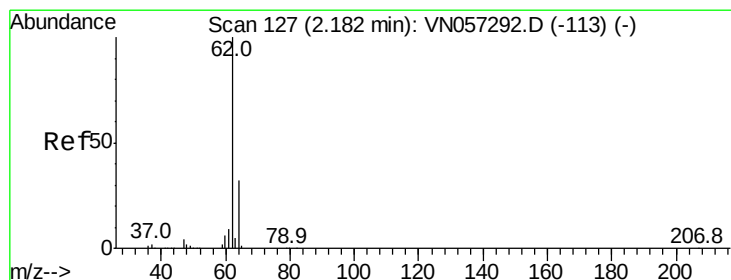
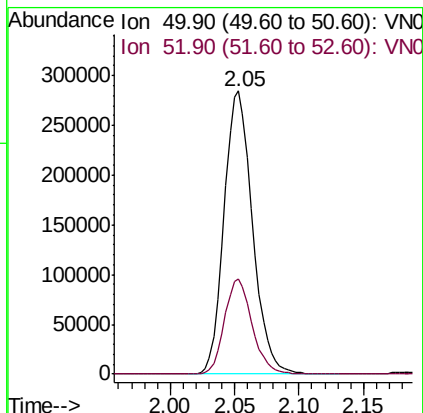
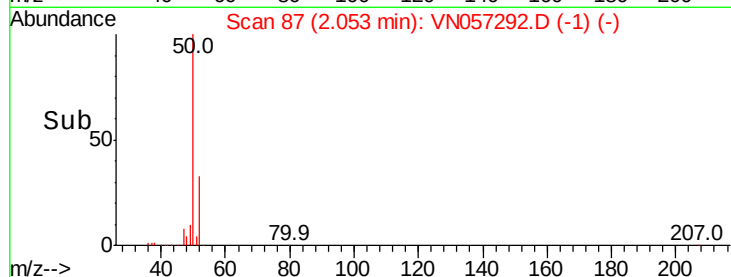
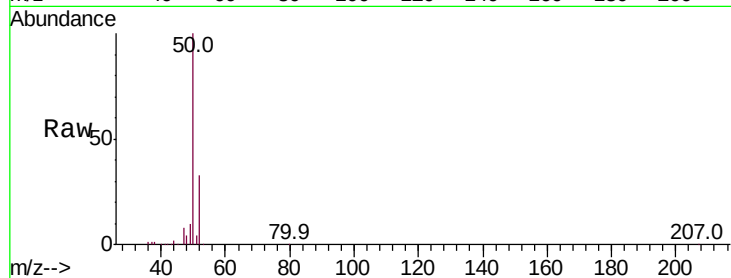
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 435458

Ion Ratio Lower Upper

50 100

52 33.5 26.8 40.2



#4

Vinyl Chloride

Concen: 48.398 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057292.D

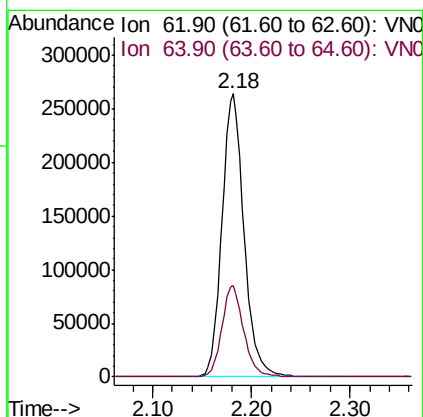
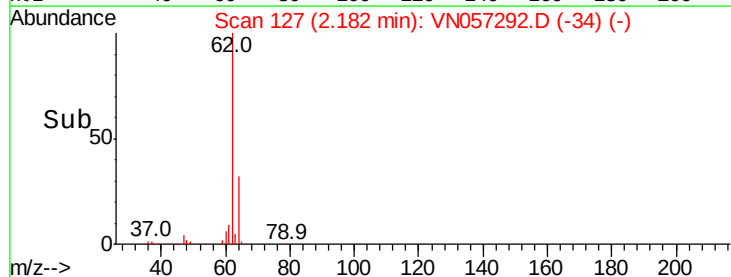
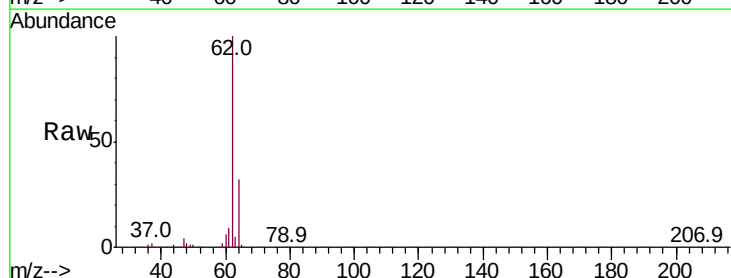
Acq: 14 Aug 2019 17:27

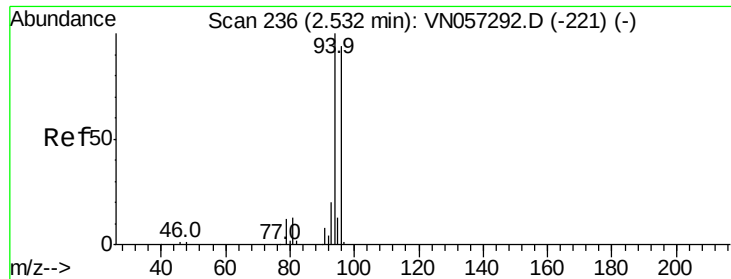
Tgt Ion: 62 Resp: 414743

Ion Ratio Lower Upper

62 100

64 32.4 25.9 38.9





#5

Bromomethane

Concen: 49.570 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

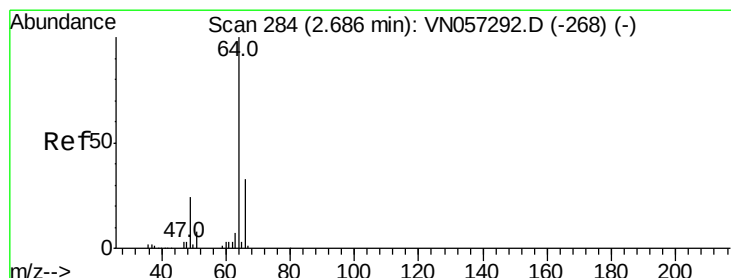
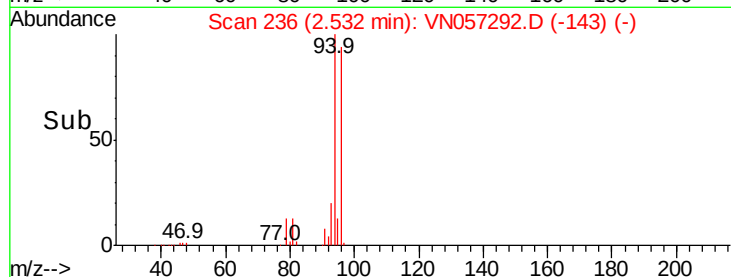
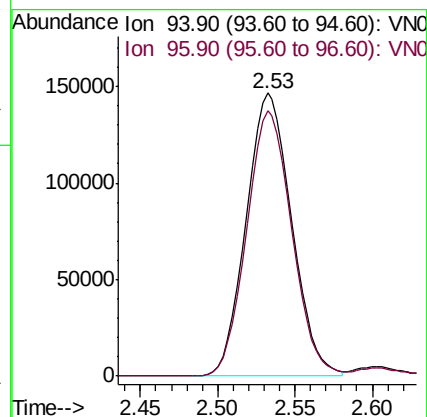
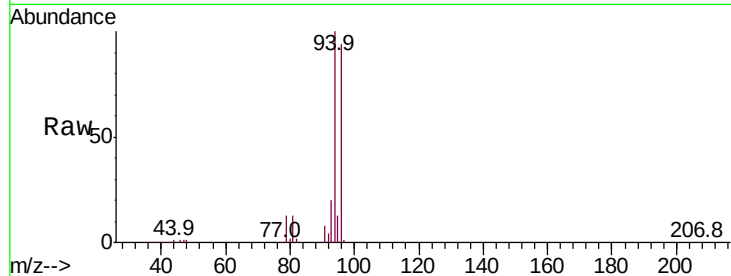
ClientSampleId :

Tot Ion: 94 Resp: 299285

Ion Ratio Lower Upper

94 100

96 93.8 75.0 112.6



#6

Chloroethane

Concen: 51.633 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057292.D

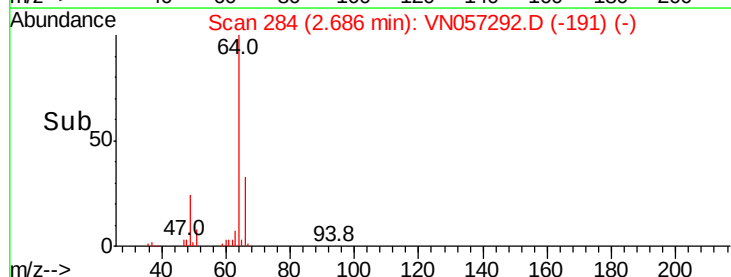
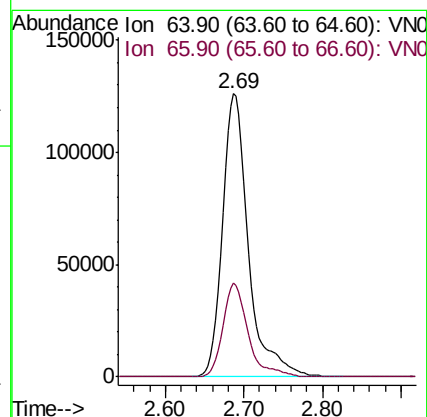
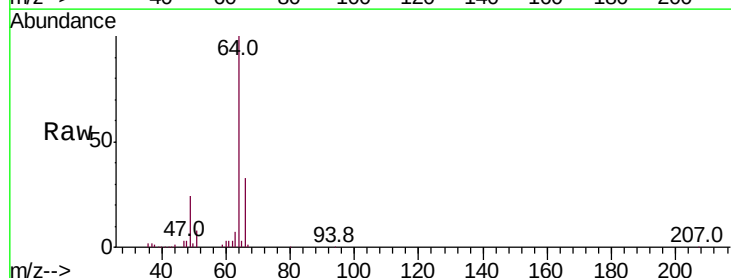
Acq: 14 Aug 2019 17:27

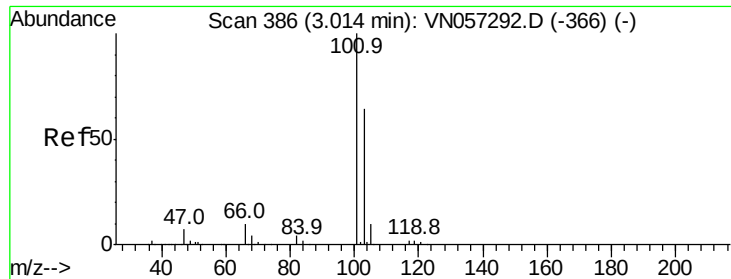
Tgt Ion: 64 Resp: 286772

Ion Ratio Lower Upper

64 100

66 33.0 26.4 39.6



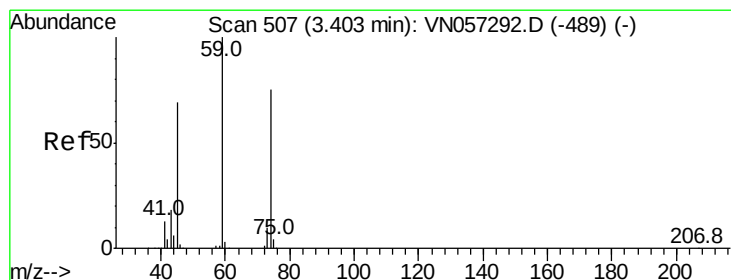
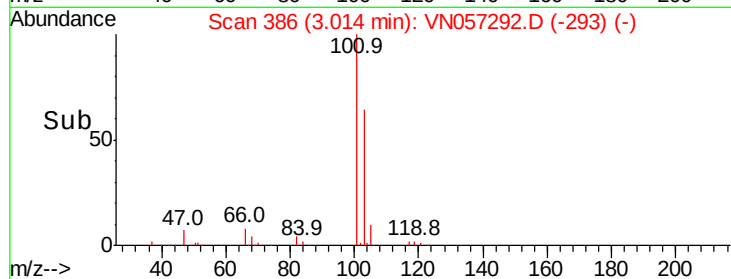
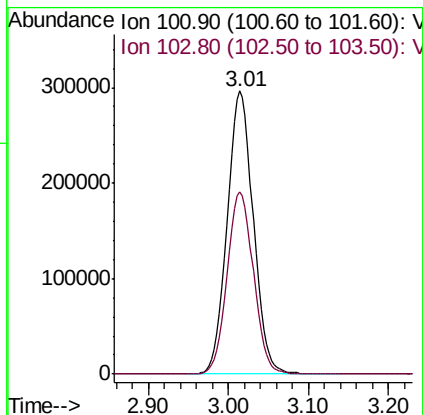
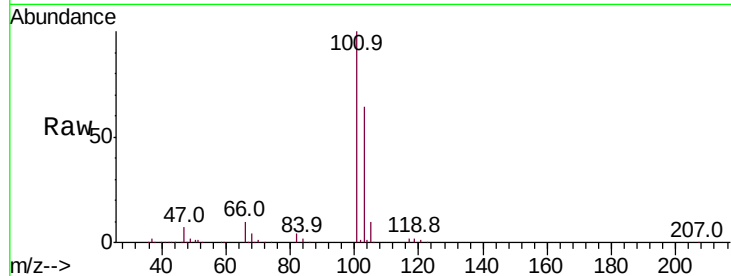


#7

Trichlorofluoromethane
 Concen: 48.635 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :

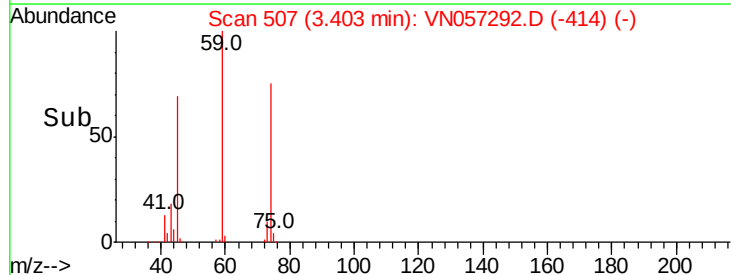
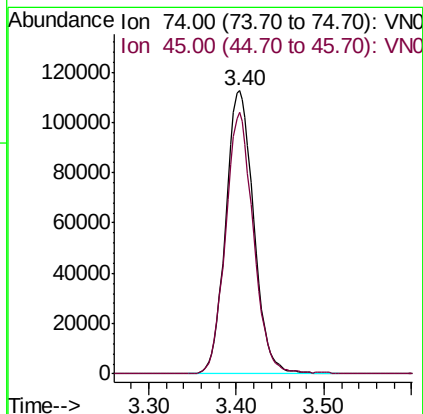
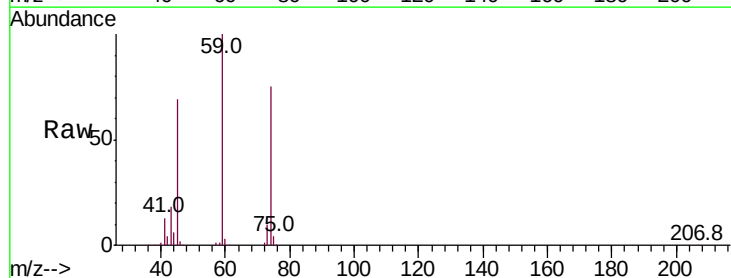
Tot Ion:101 Resp: 658436
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.5 77.3

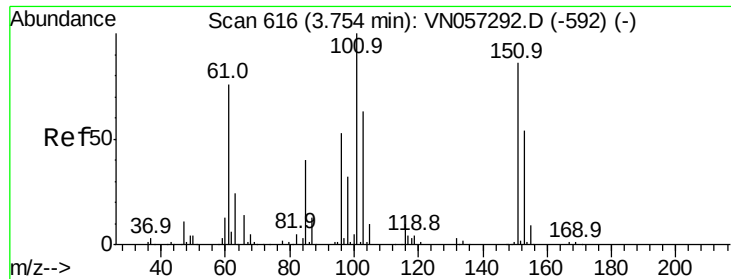


#8

Diethyl Ether
 Concen: 50.686 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion: 74 Resp: 250223
 Ion Ratio Lower Upper
 74 100
 45 91.7 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.112 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

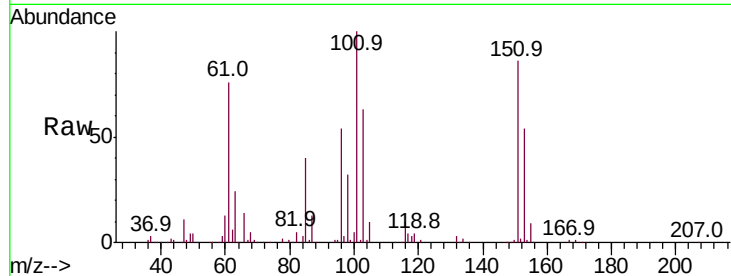
Tot Ion:101 Resp: 390794

Ion Ratio Lower Upper

101 100

85 40.9 32.7 49.1

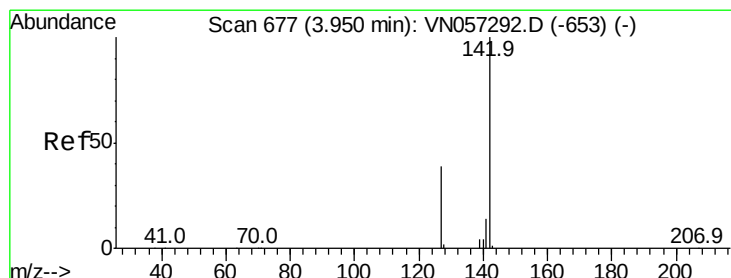
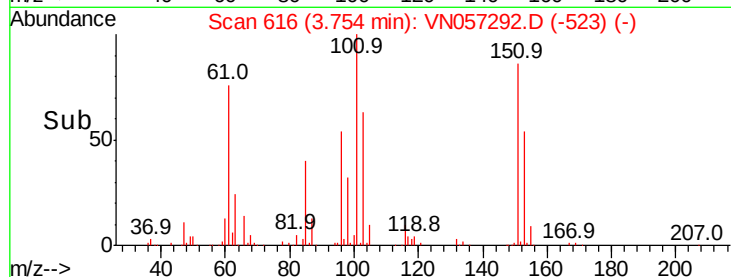
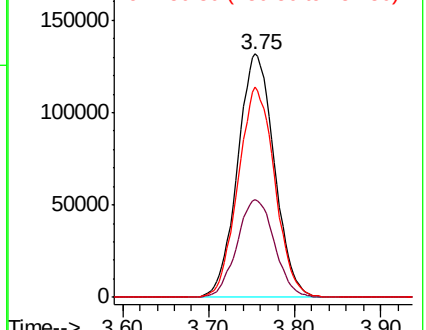
151 86.4 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.681 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

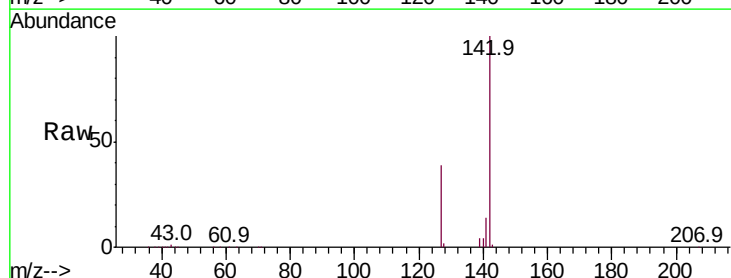
Tgt Ion:142 Resp: 650902

Ion Ratio Lower Upper

142 100

127 39.5 31.6 47.4

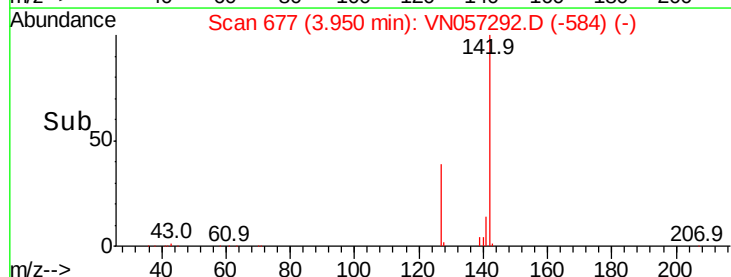
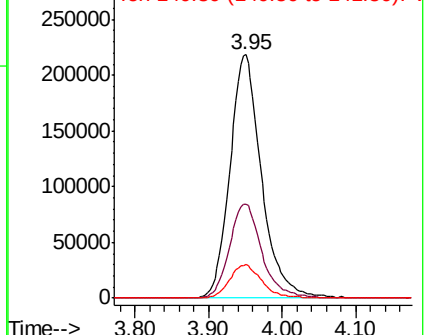
141 14.0 11.2 16.8

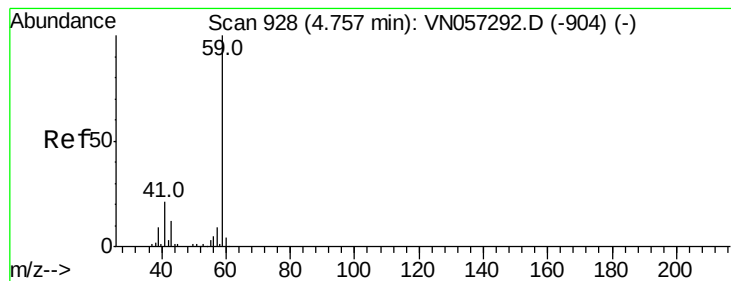


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



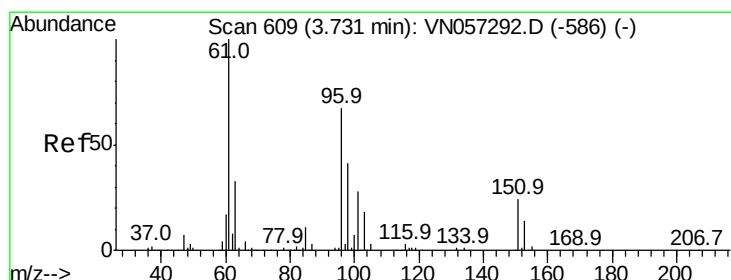
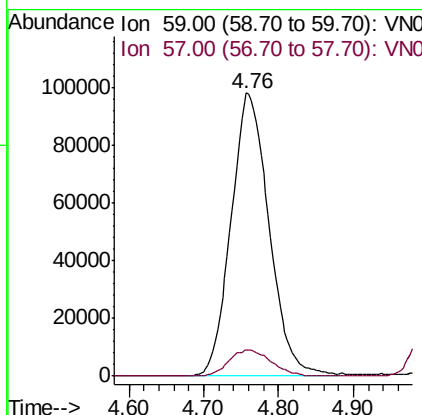
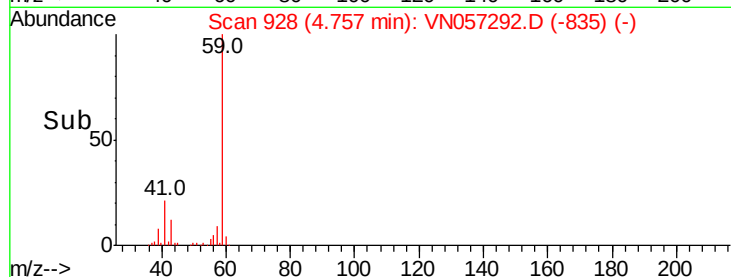
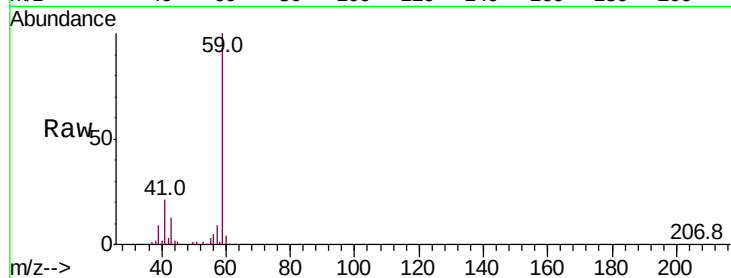


#11

Tert butyl alcohol
Concen: 269.913 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampled :

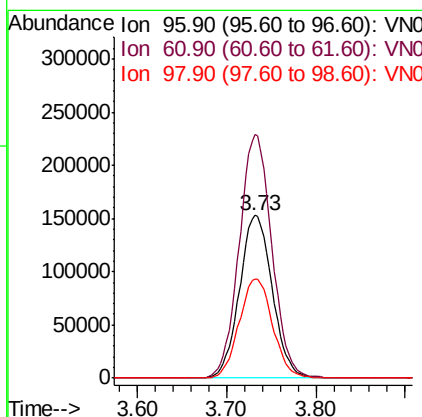
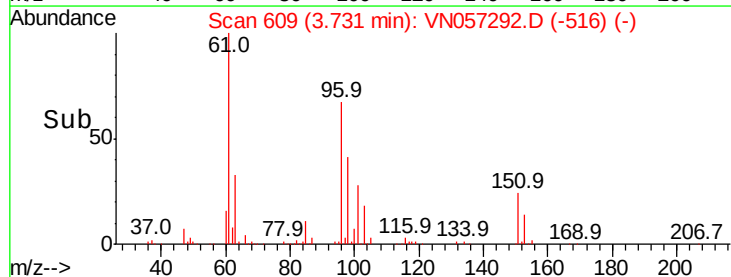
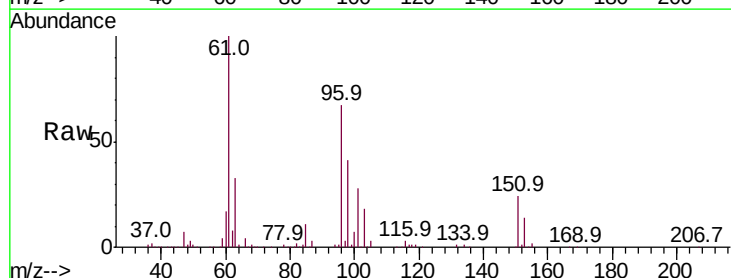
Tot Ion: 59 Resp: 347402
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2

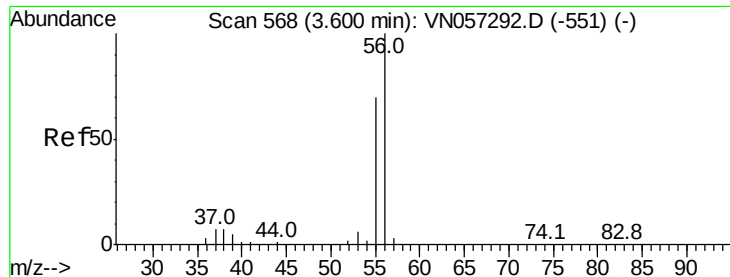


#12

1,1-Dichloroethene
Concen: 48.530 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion: 96 Resp: 392069
Ion Ratio Lower Upper
96 100
61 149.6 119.7 179.5
98 61.2 49.0 73.4





#13

Acrolein

Concen: 229.261 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

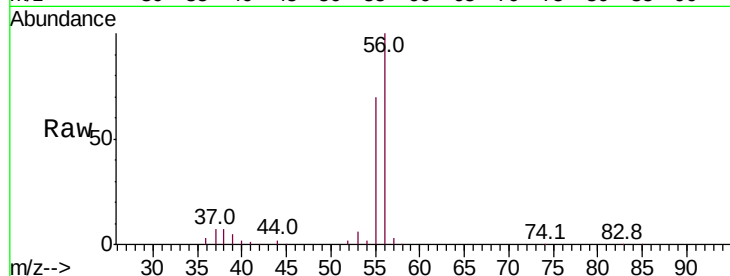
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 203085

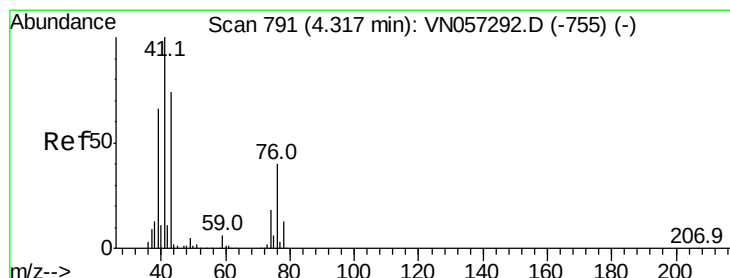
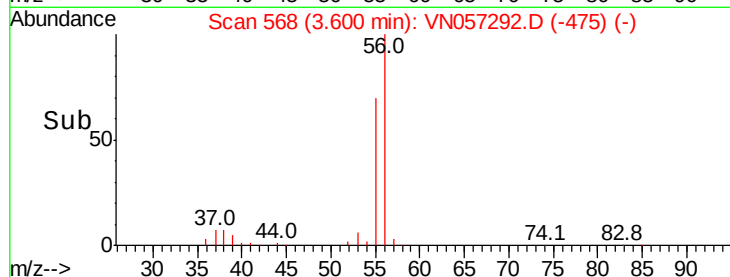
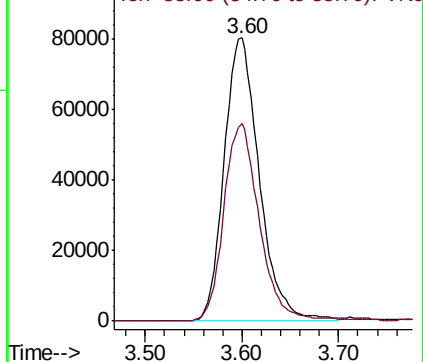
Ion Ratio Lower Upper

56 100

55 70.7 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 51.217 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

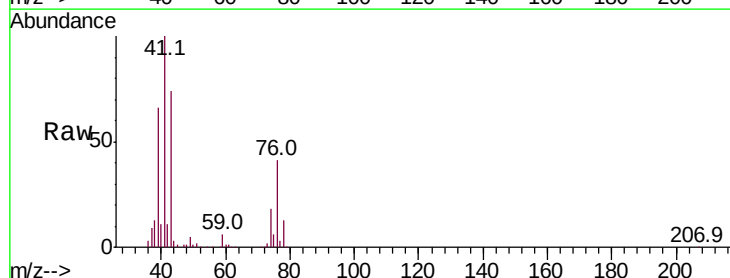
Tgt Ion: 41 Resp: 630957

Ion Ratio Lower Upper

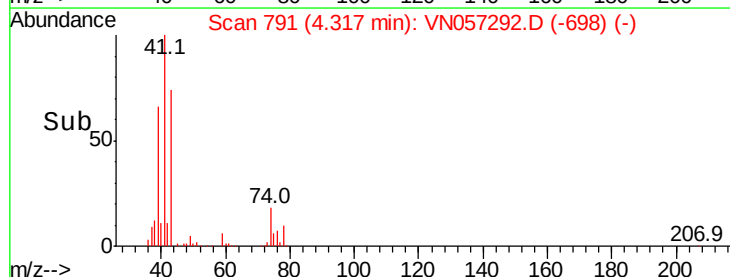
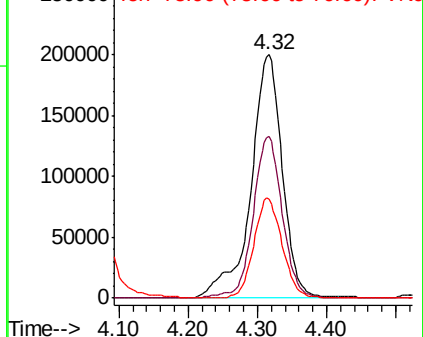
41 100

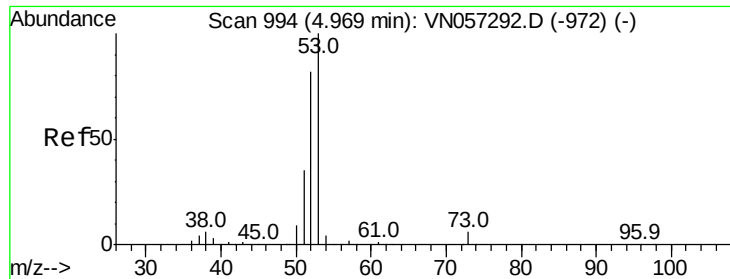
39 61.3 49.0 73.6

76 36.2 29.0 43.4



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 268.944 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

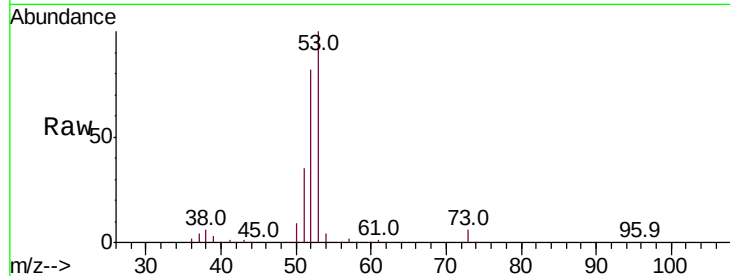
Tot Ion: 53 Resp: 965340

Ion Ratio Lower Upper

53 100

52 82.7 66.2 99.2

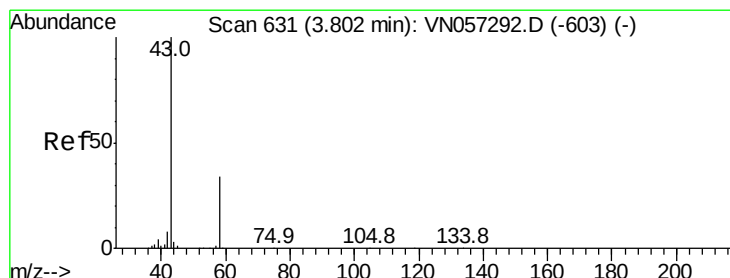
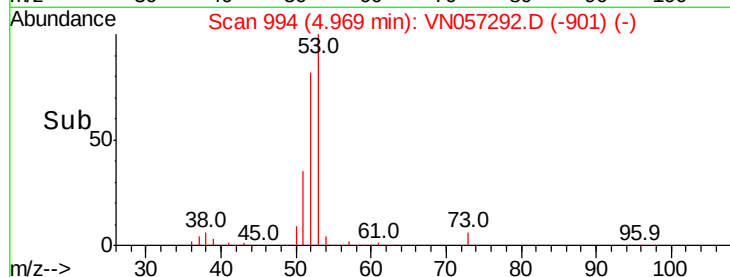
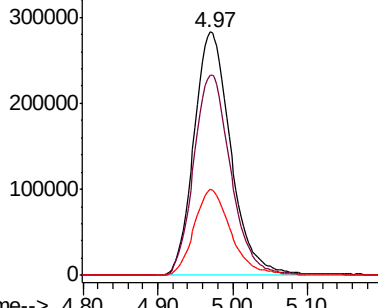
51 35.6 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 256.445 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN057292.D

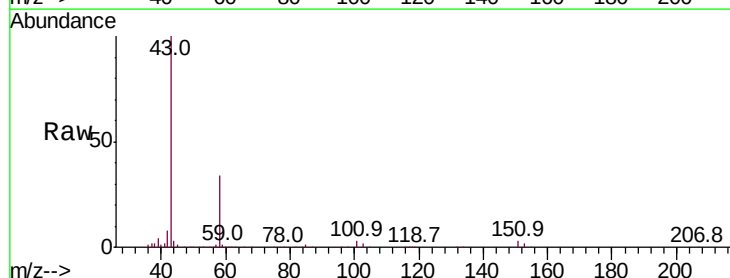
Acq: 14 Aug 2019 17:27

Tgt Ion: 43 Resp: 825389

Ion Ratio Lower Upper

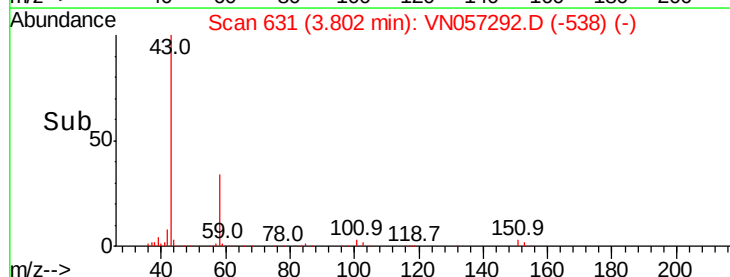
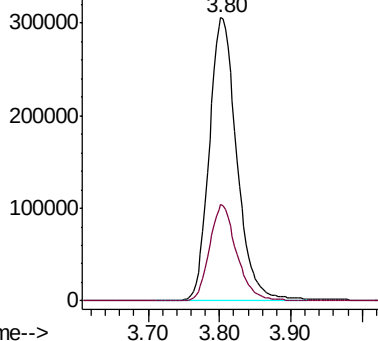
43 100

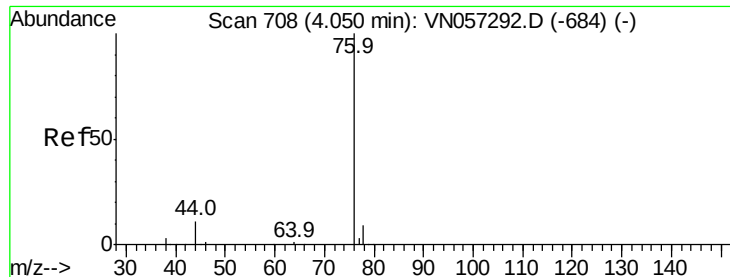
58 33.8 27.0 40.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

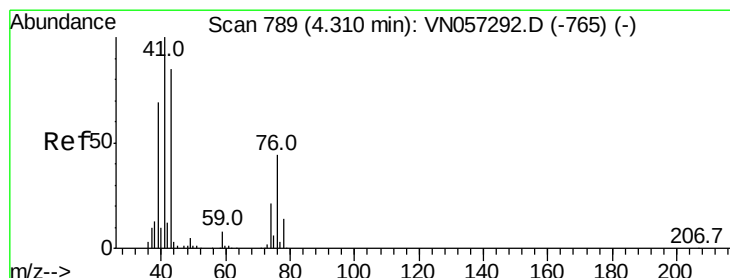
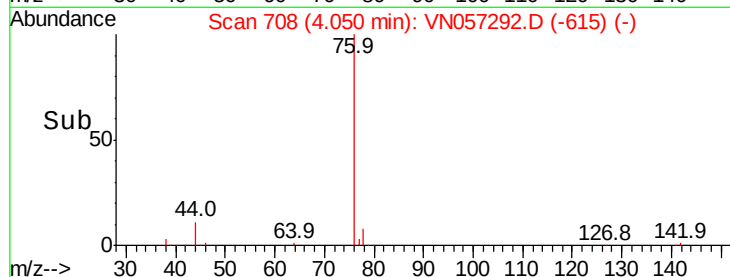
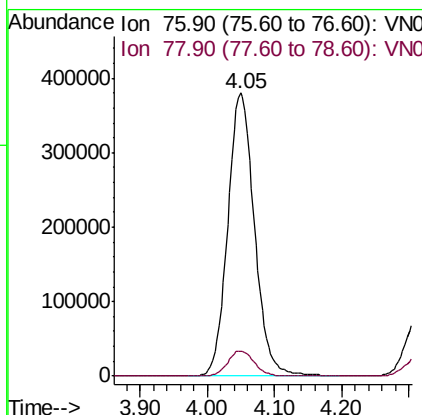
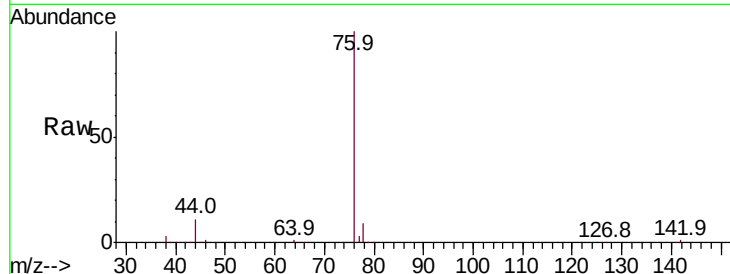




#17
Carbon Disulfide
Concen: 47.721 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

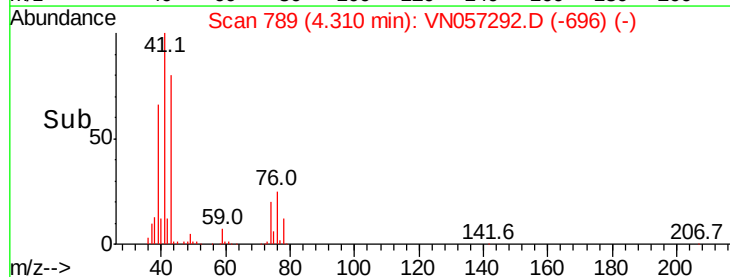
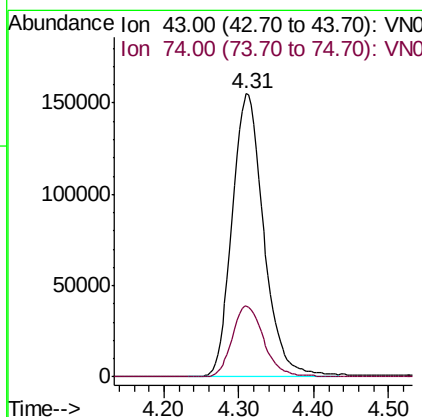
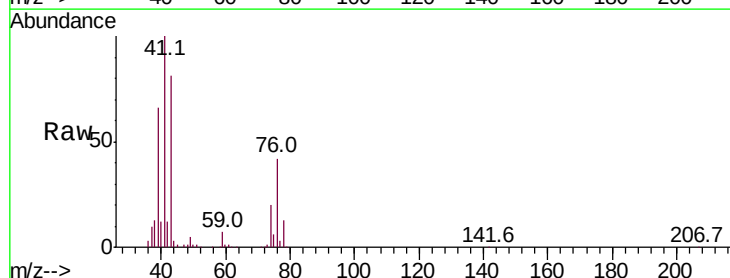
Instrument :
MSVOA_N
ClientSampleId :

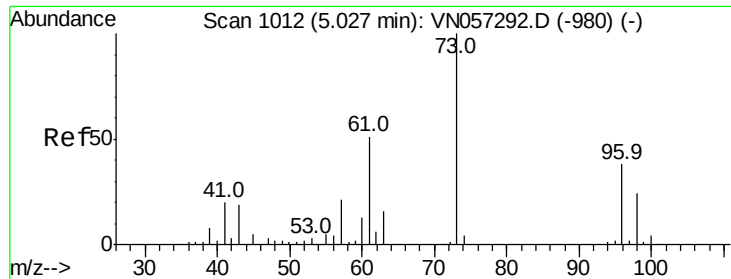
Tot Ion: 76 Resp: 1048990
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 41.061 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion: 43 Resp: 453634
Ion Ratio Lower Upper
43 100
74 25.2 20.2 30.2

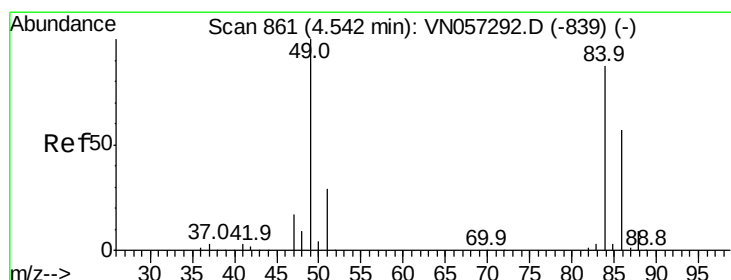
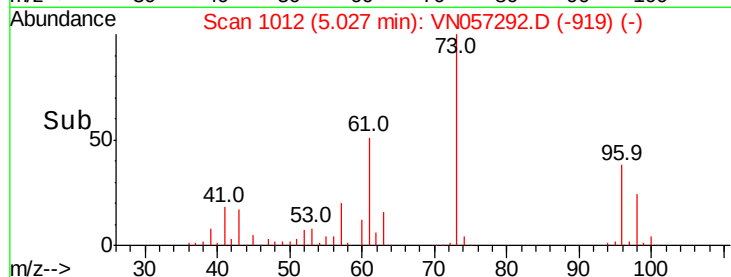
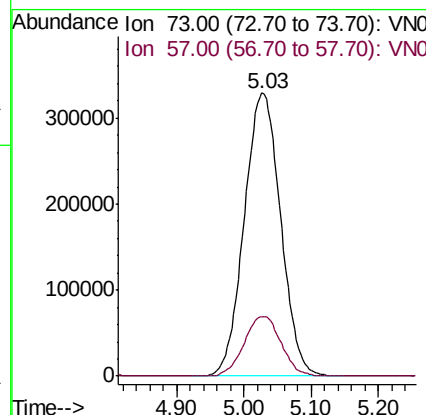
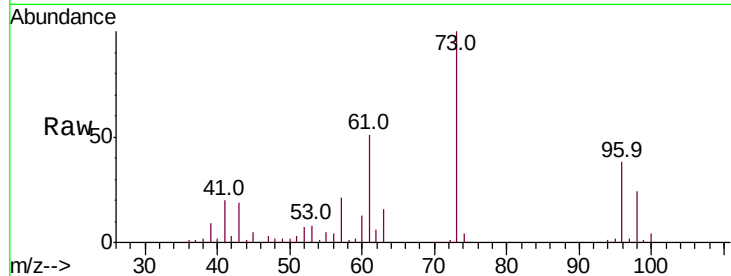




#19
Methyl tert-butyl Ether
Concen: 50.888 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

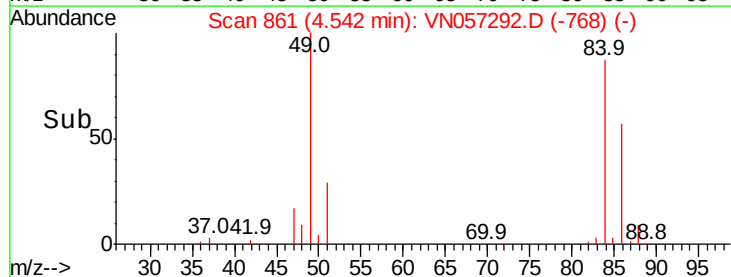
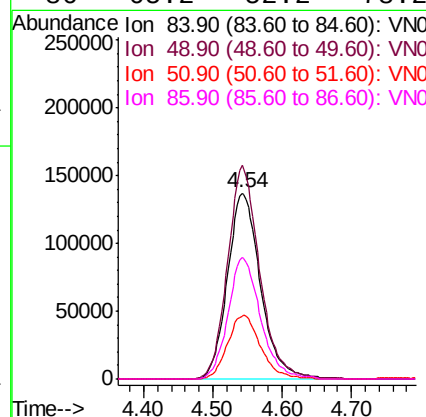
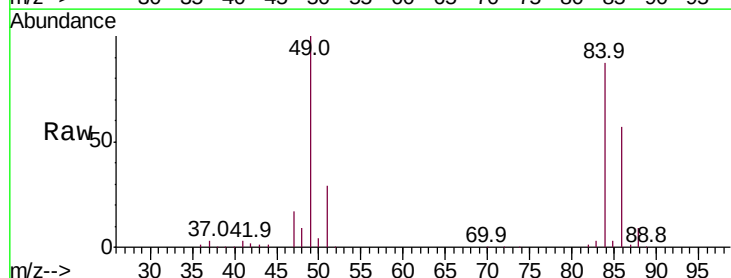
Instrument :
MSVOA_N
ClientSampled :

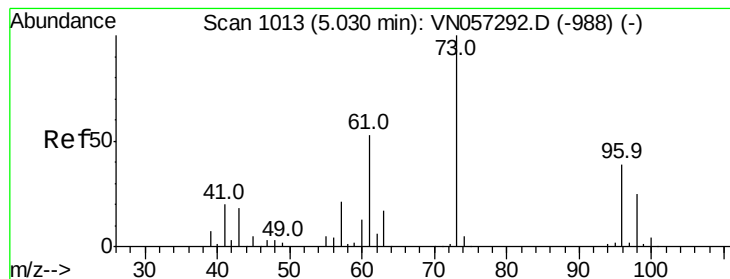
Tot Ion: 73 Resp: 1235031
Ion Ratio Lower Upper
73 100
57 21.1 16.9 25.3



#20
Methylene Chloride
Concen: 48.400 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion: 84 Resp: 455299
Ion Ratio Lower Upper
84 100
49 115.0 92.0 138.0
51 33.9 27.1 40.7
86 65.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 48.253 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

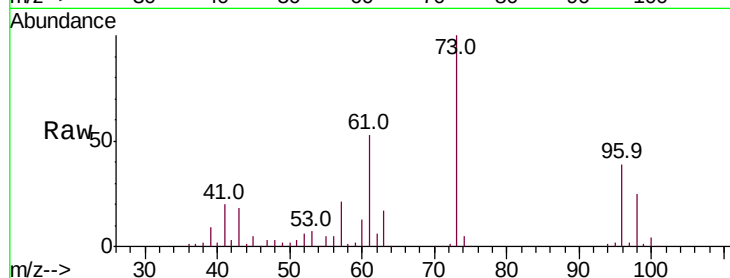
Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 414757

Ion	Ratio	Lower	Upper
96	100		
61	136.9	109.5	164.3
98	63.8	51.0	76.6

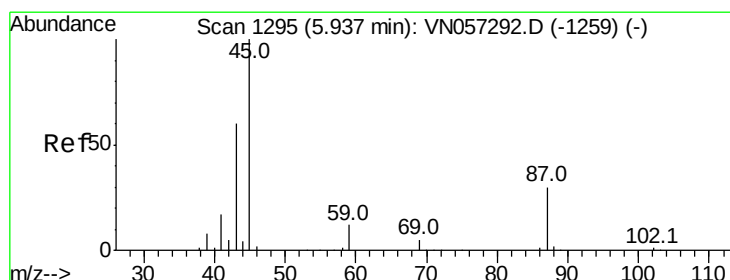
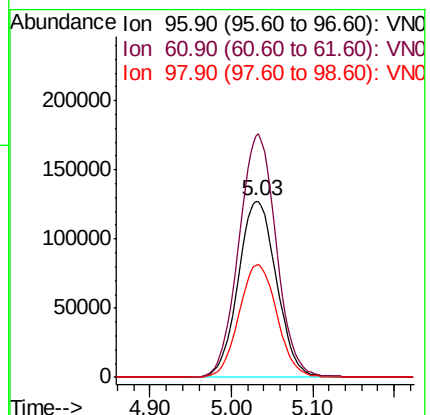
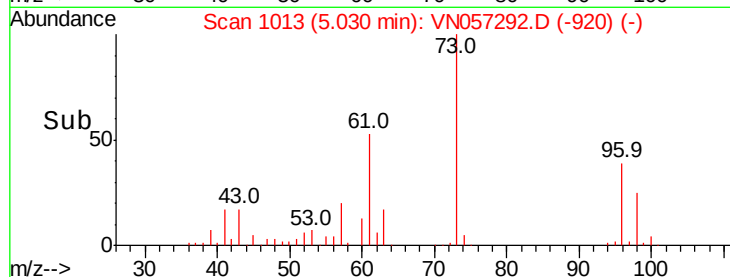


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 51.025 ug/l

RT: 5.94 min Scan# 1295

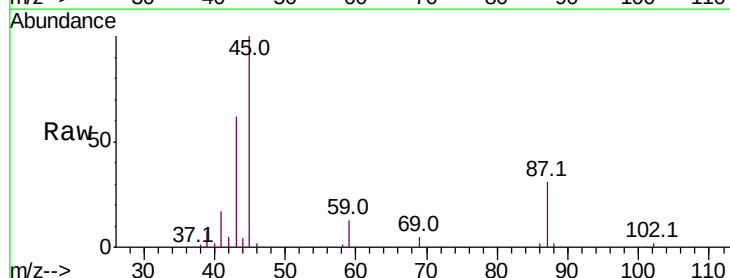
Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Tgt Ion: 45 Resp: 1240059

Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.3	72.5
87	30.7	24.6	36.8
59	12.3	9.8	14.8



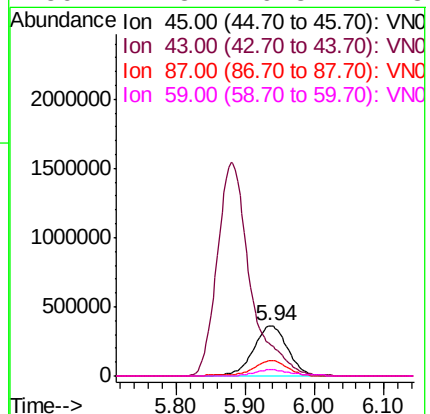
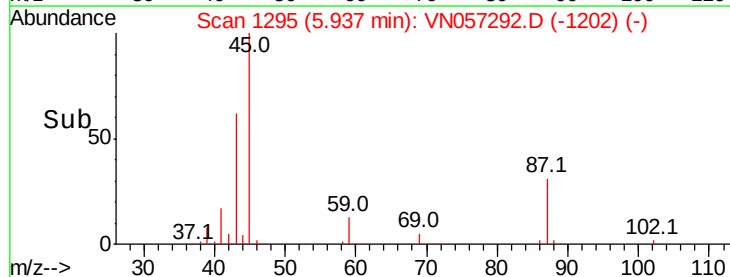
Abundance

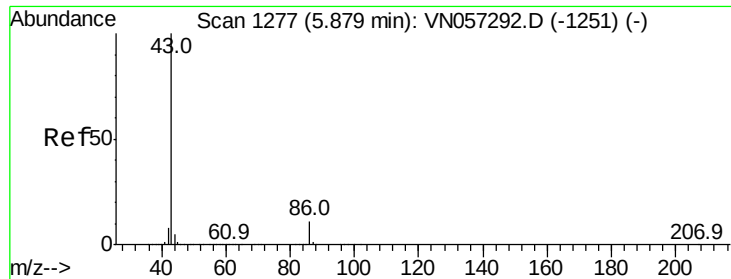
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 265.550 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

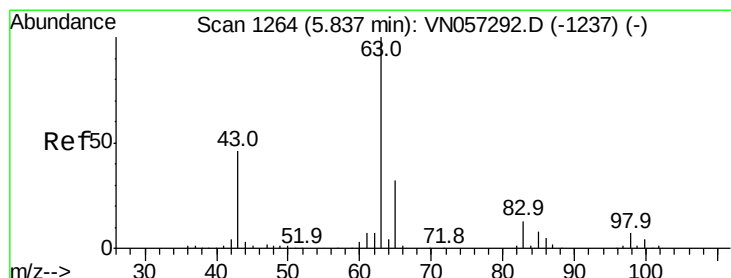
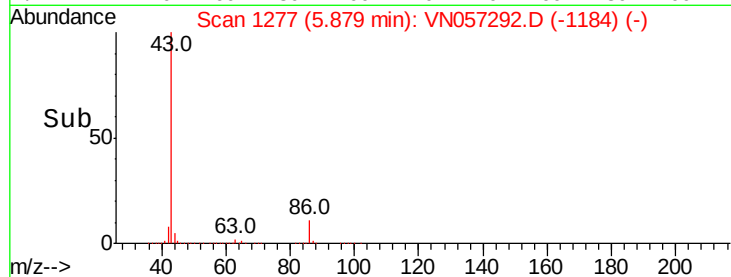
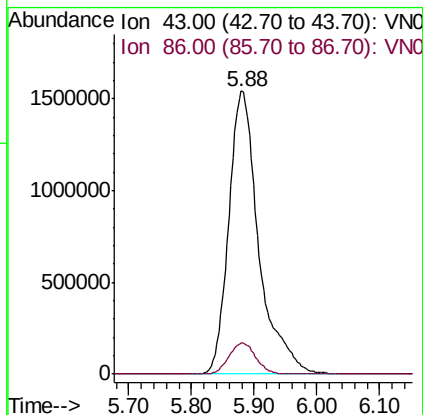
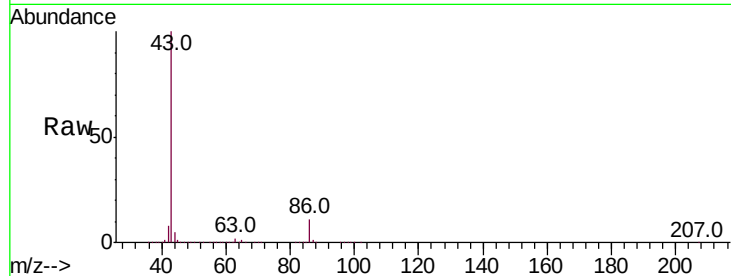
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 5119550

Ion Ratio Lower Upper

43 100

86 10.9 8.7 13.1



#24

1,1-Dichloroethane

Concen: 49.673 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

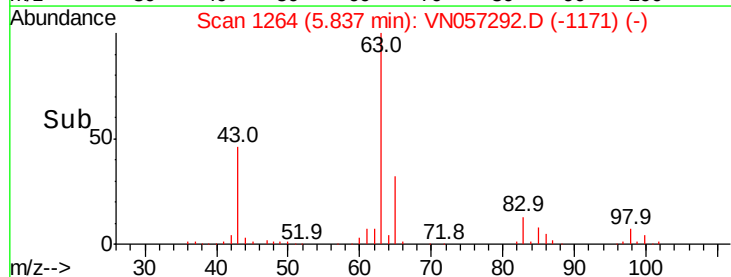
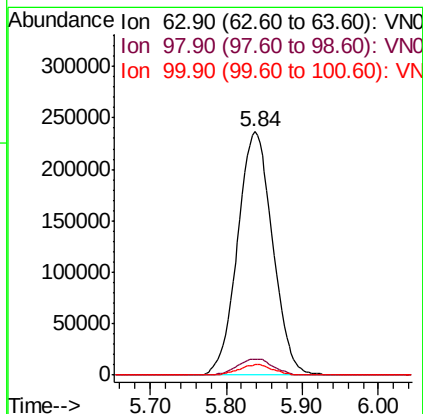
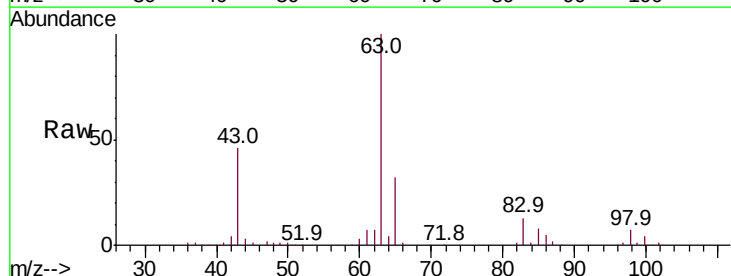
Tgt Ion: 63 Resp: 756376

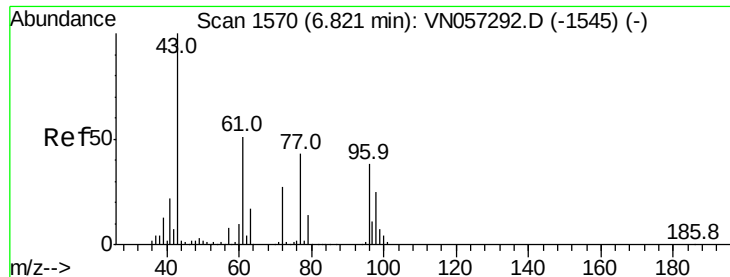
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.3 2.1 6.5

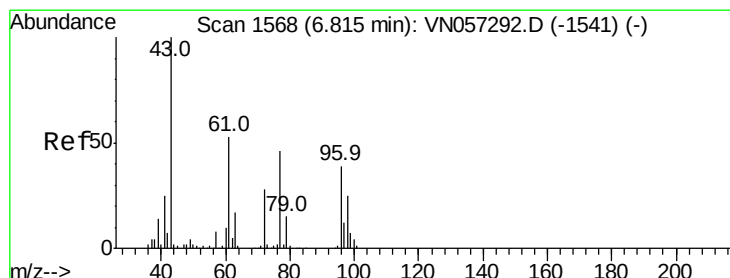
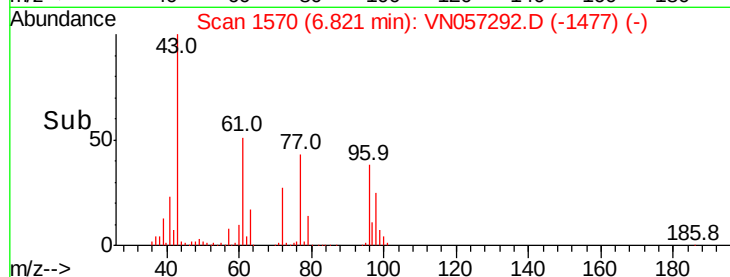
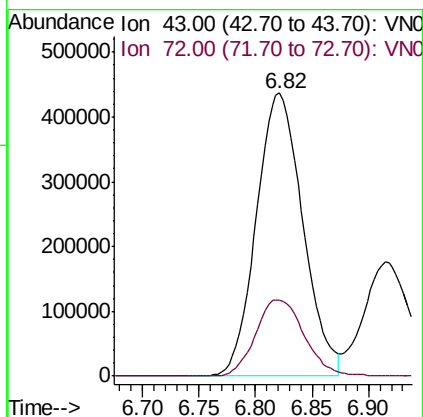
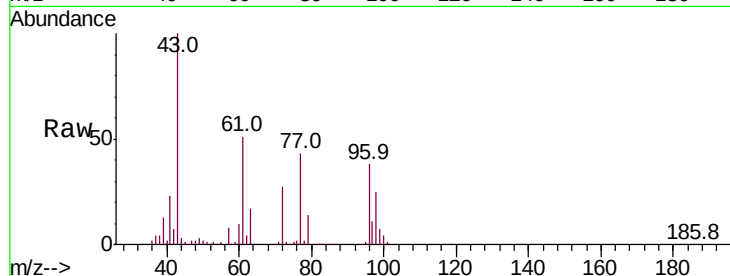




#25
2-Butanone
Concen: 269.026 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

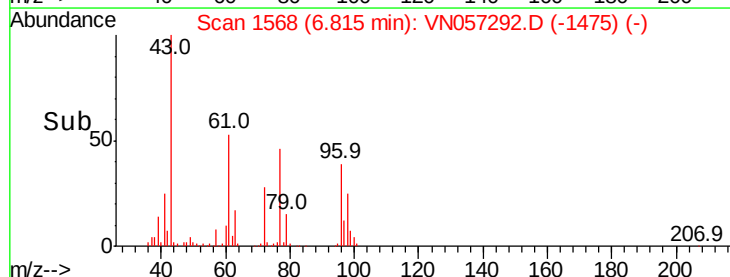
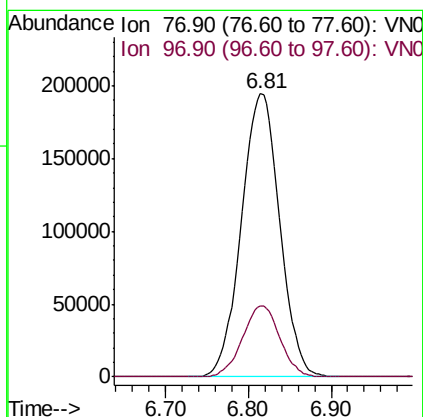
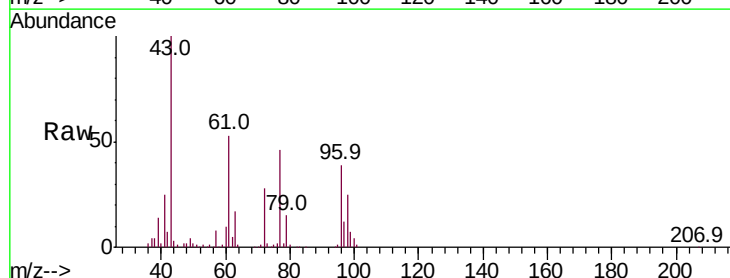
Instrument :
MSVOA_N
ClientSampled :

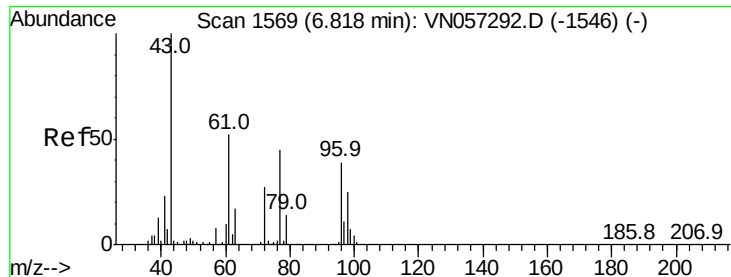
Tot Ion: 43 Resp: 1243015
Ion Ratio Lower Upper
43 100
72 26.9 21.5 32.3



#26
2,2-Dichloropropane
Concen: 50.172 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion: 77 Resp: 623410
Ion Ratio Lower Upper
77 100
97 24.6 12.3 36.9

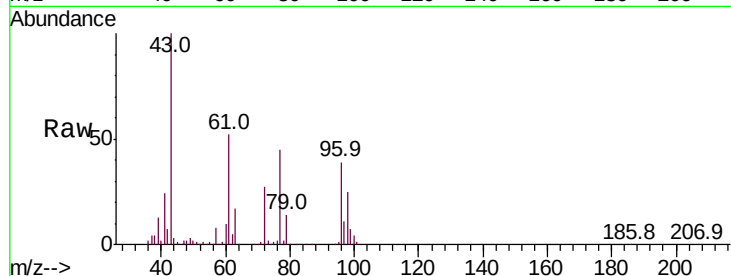




#27
 cis-1,2-Dichloroethene
 Concen: 49.457 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	272.0
98	65.2	0.0	130.4

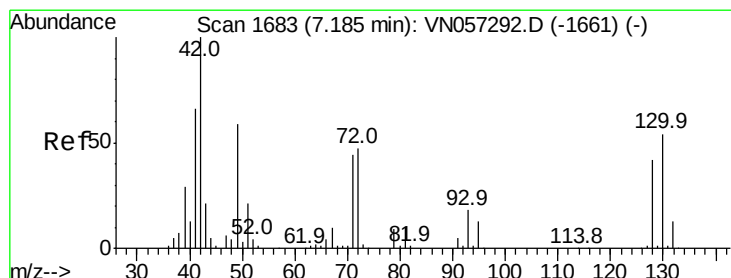
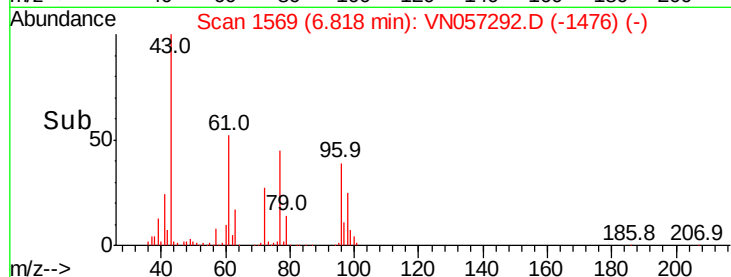
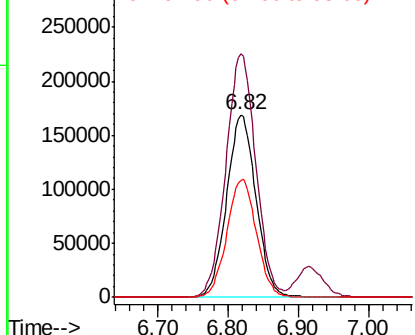


Abundance

Ion 95.90 (95.60 to 96.60): VN0

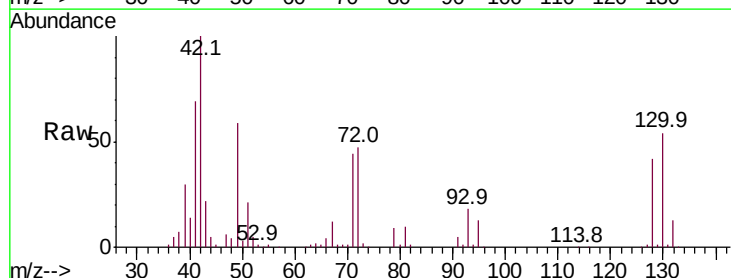
Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28
 Bromochloromethane
 Concen: 49.716 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	2.0
130	91.5	73.2	109.8

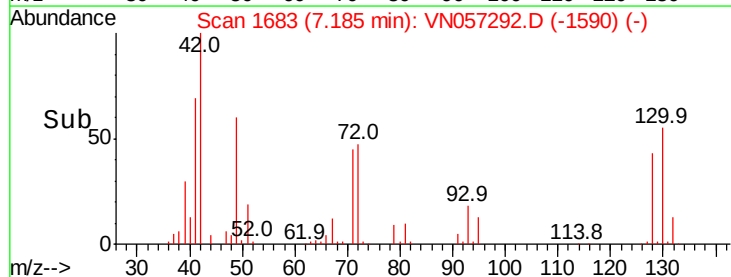
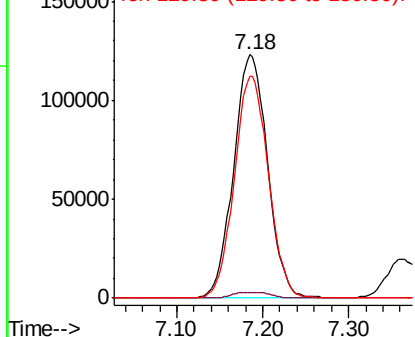


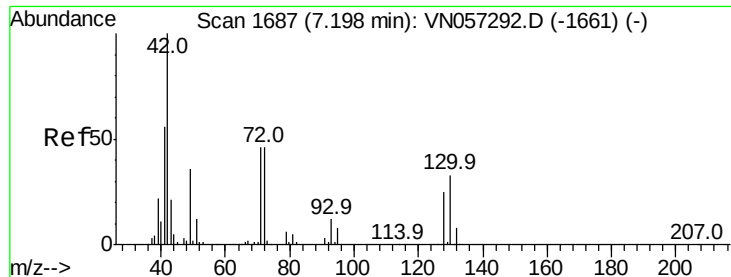
Abundance

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

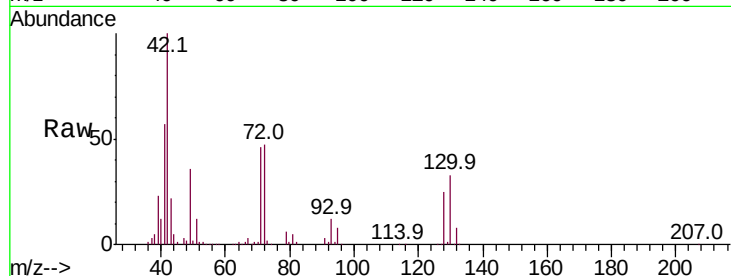




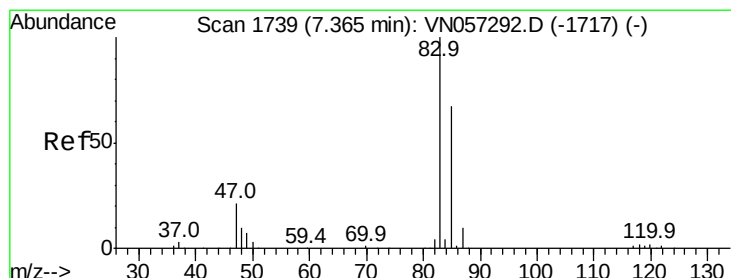
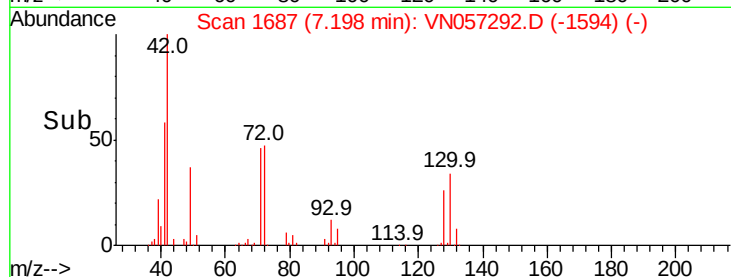
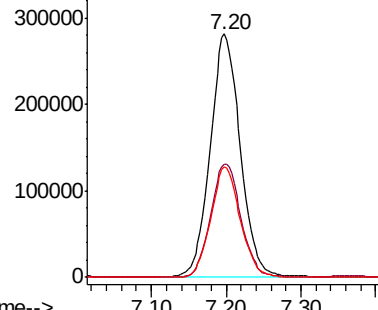
#29
Tetrahydrofuran
Concen: 266.023 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.2	37.8	56.6
71	44.6	35.7	53.5

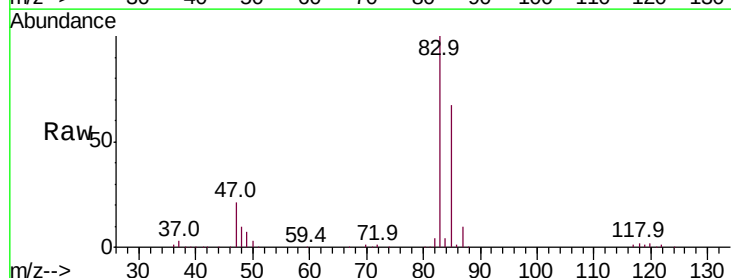


Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO

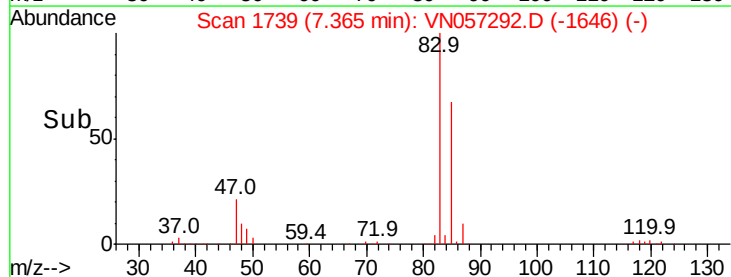
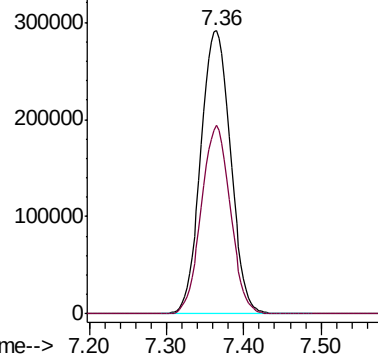


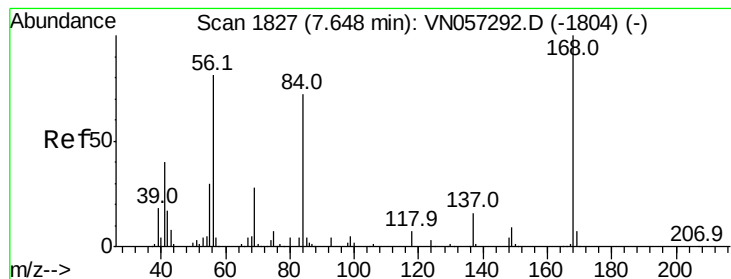
#30
Chloroform
Concen: 48.823 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.3	79.9



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO





#31

Cyclohexane

Concen: 48.056 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :

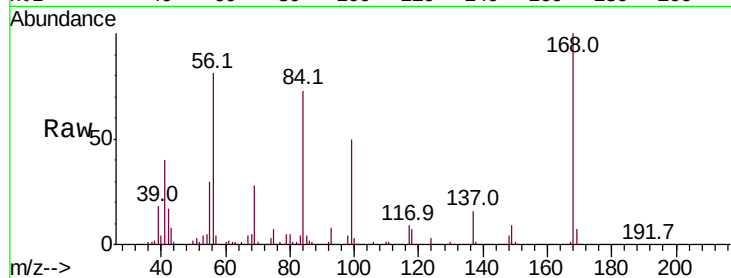
Tot Ion: 56 Resp: 636098

Ion Ratio Lower Upper

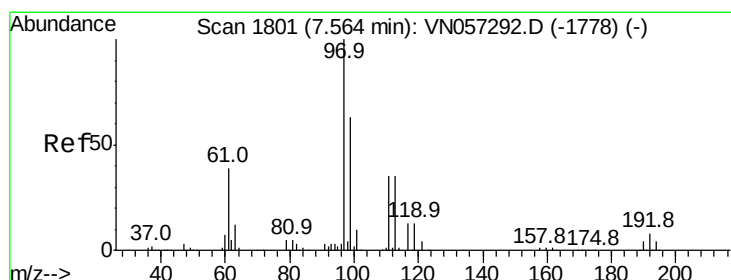
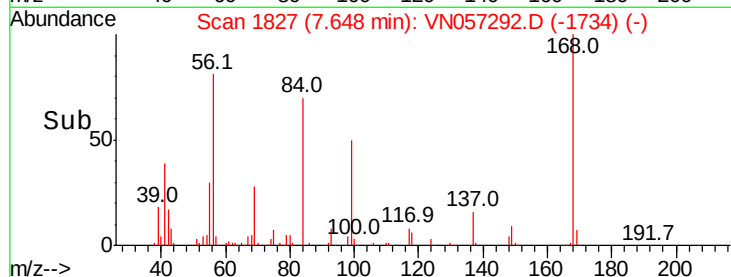
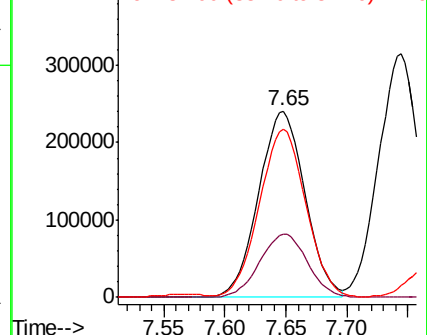
56 100

69 34.1 27.3 40.9

84 88.8 71.0 106.6



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



#32

1,1,1-Trichloroethane

Concen: 51.467 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

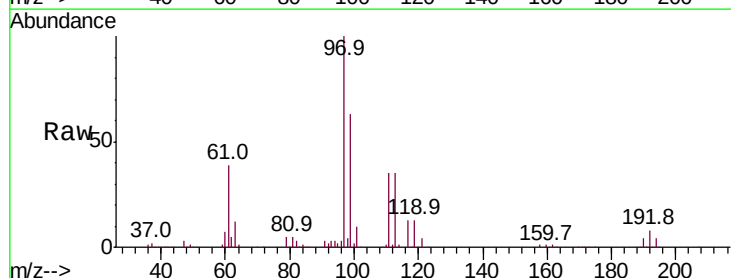
Tgt Ion: 97 Resp: 693495

Ion Ratio Lower Upper

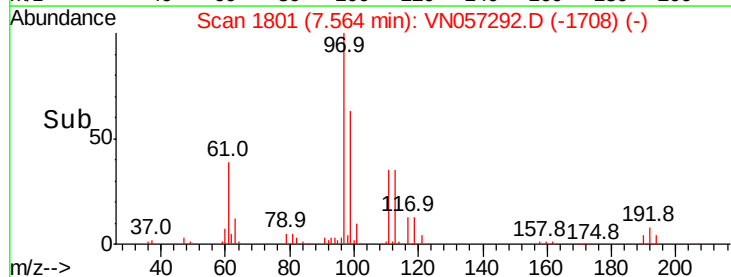
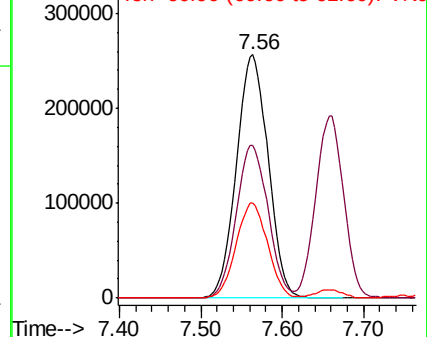
97 100

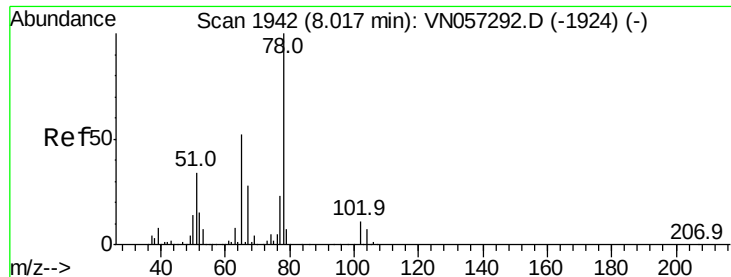
99 62.9 50.3 75.5

61 39.1 31.3 46.9



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

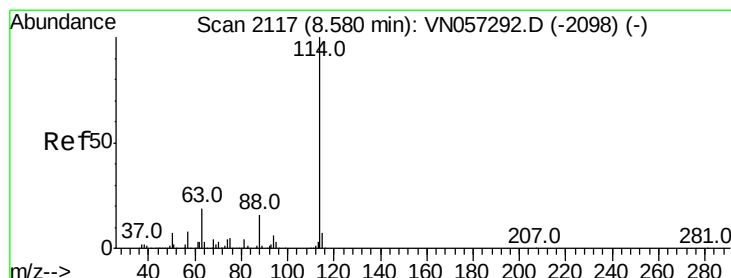
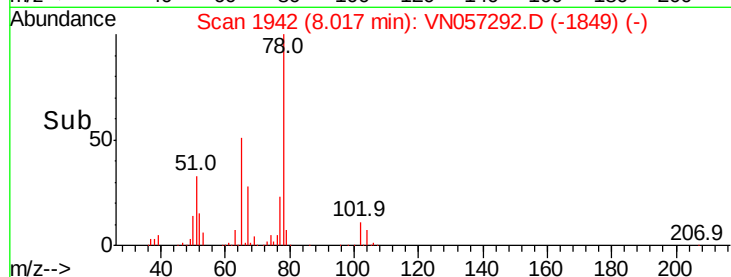
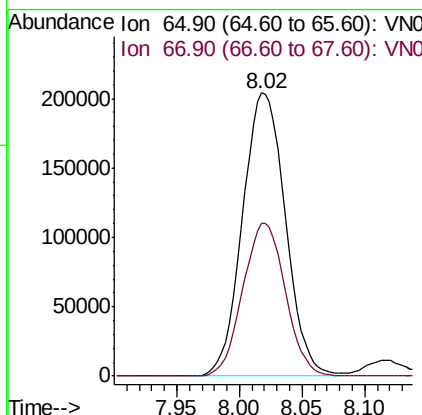
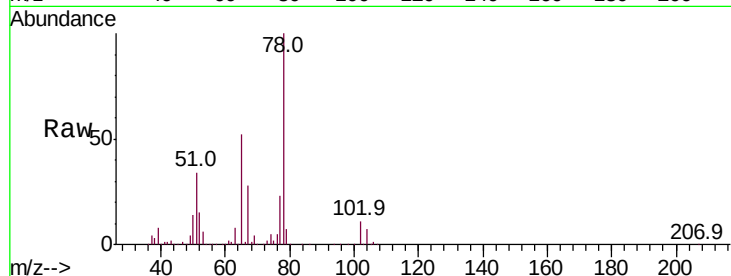




#33
 1,2-Dichloroethane-d4
 Concen: 51.871 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

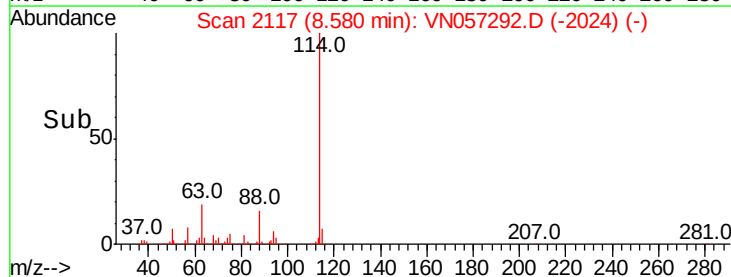
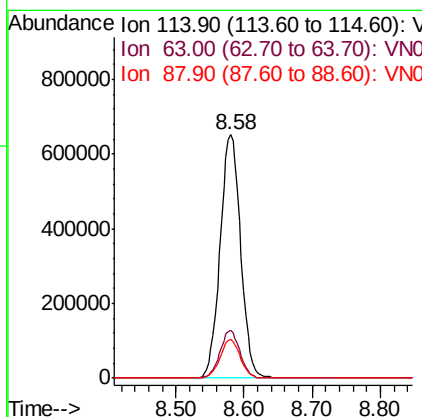
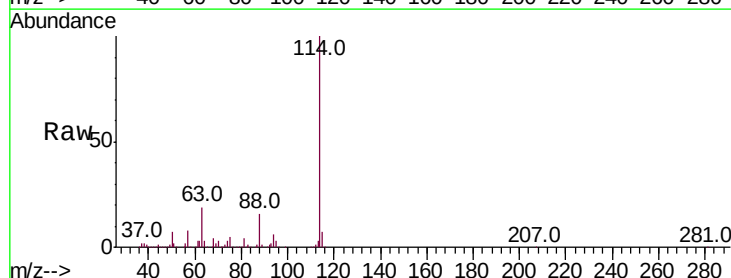
Instrument :
 MSVOA_N
 ClientSampled :

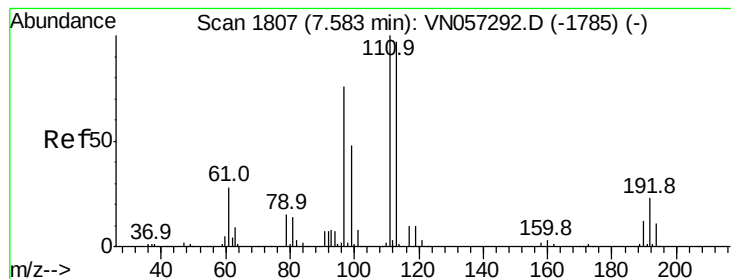
Tot Ion: 65 Resp: 486075
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion: 114 Resp: 1354620
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.8
 88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.847 ug/l

RT: 7.58 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

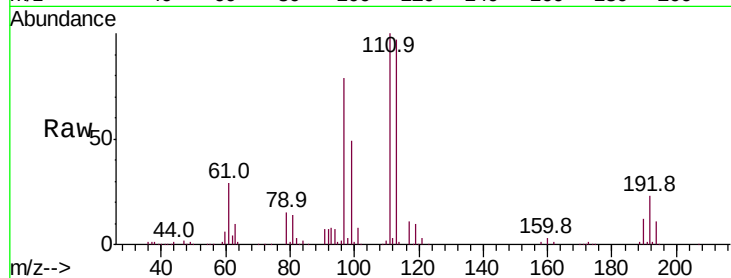
Tot Ion:113 Resp: 427325

Ion Ratio Lower Upper

113 100

111 102.6 82.1 123.1

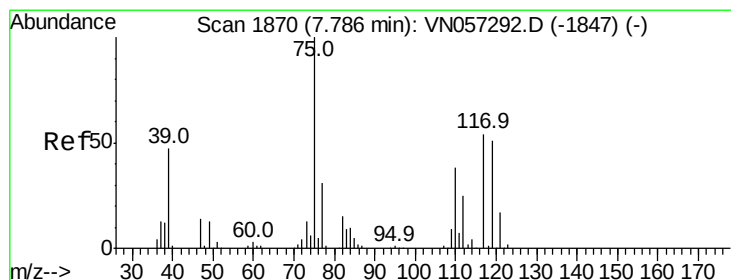
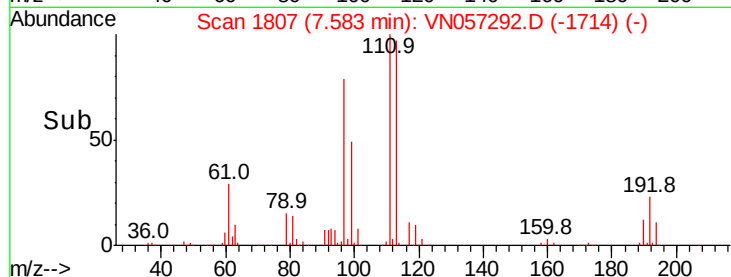
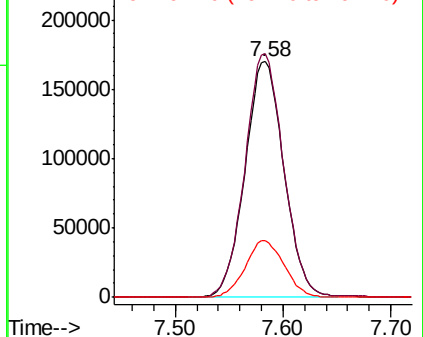
192 24.1 19.3 28.9



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: 48.105 ug/l

RT: 7.79 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

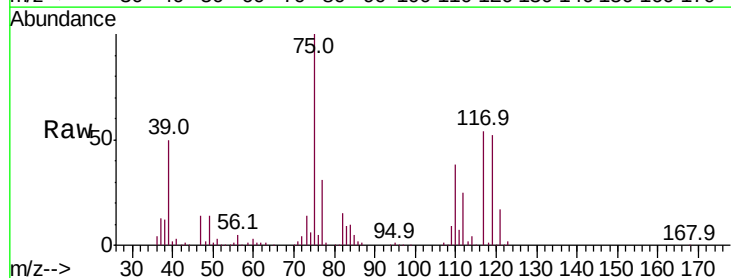
Tgt Ion: 75 Resp: 565596

Ion Ratio Lower Upper

75 100

110 39.0 19.5 58.5

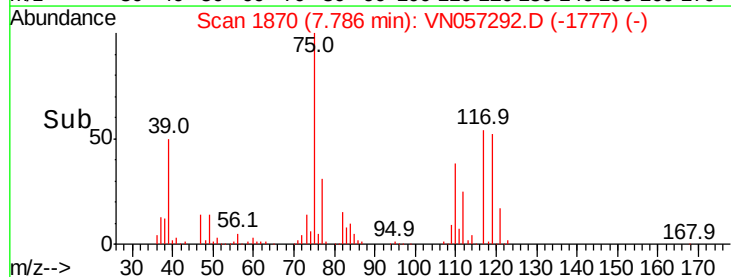
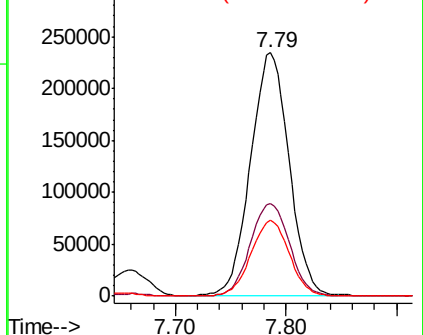
77 31.3 25.0 37.6

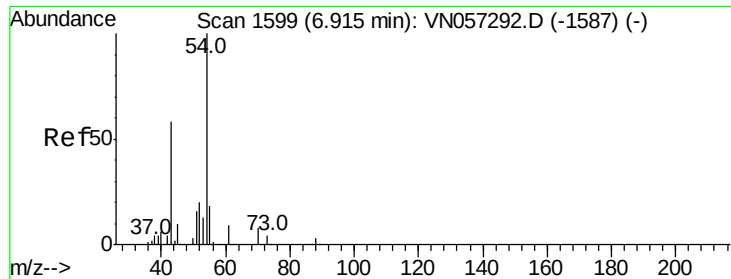


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

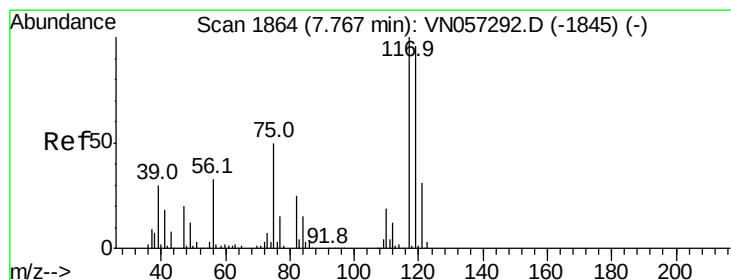
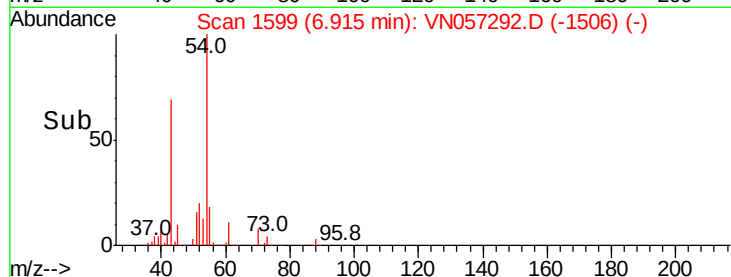
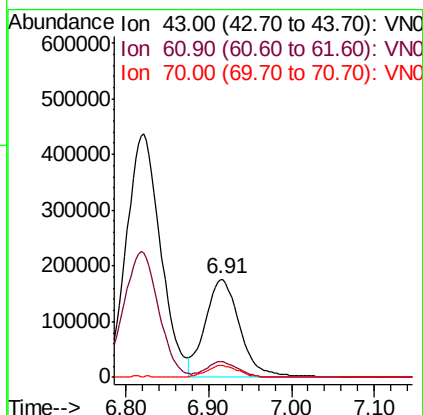
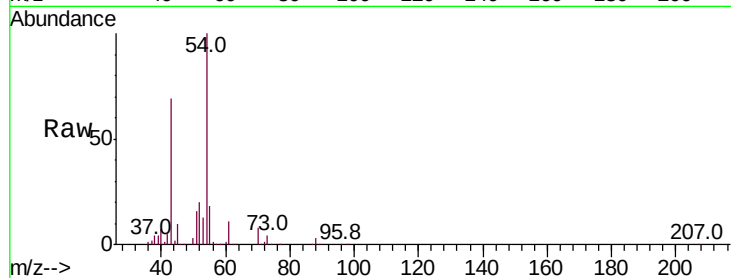




#37
Ethyl Acetate
Concen: 52.694 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

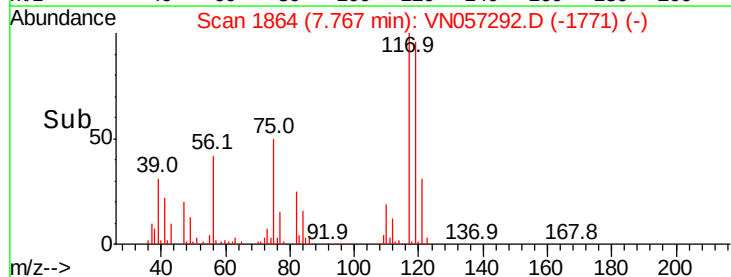
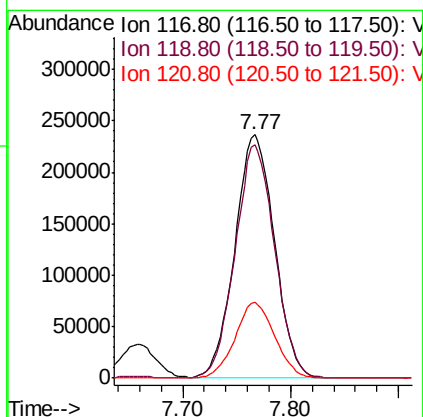
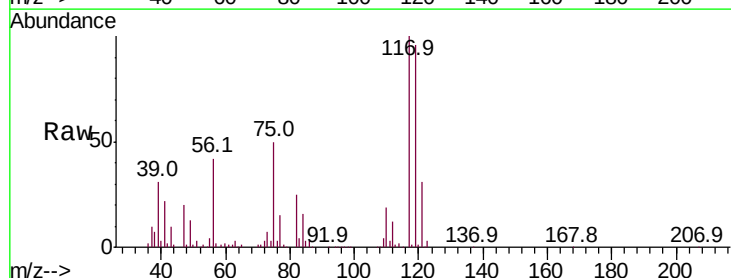
Instrument :
MSVOA_N
ClientSampled :

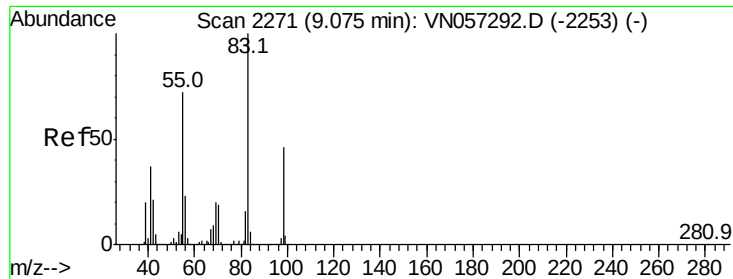
Tot Ion: 43 Resp: 507224
Ion Ratio Lower Upper
43 100
61 15.0 12.0 18.0
70 11.5 9.2 13.8



#38
Carbon Tetrachloride
Concen: 48.181 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion: 117 Resp: 602509
Ion Ratio Lower Upper
117 100
119 96.0 76.8 115.2
121 31.2 25.0 37.4

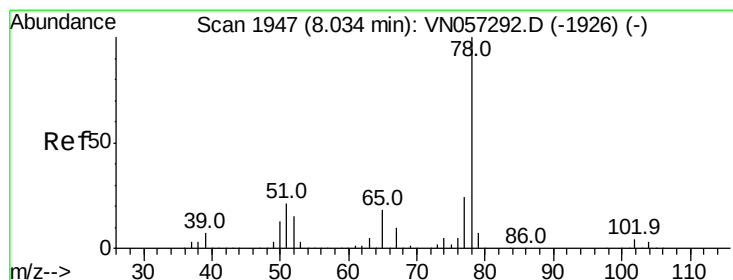
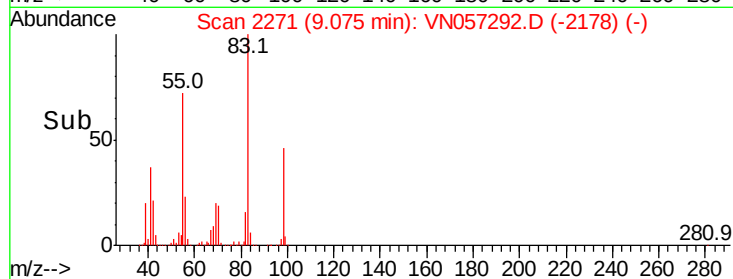
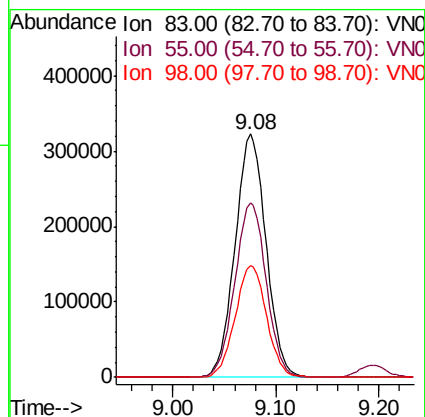
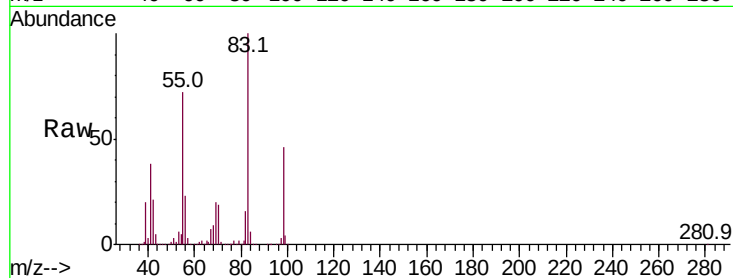




#39
Methylvlcyclohexane
Concen: 48.594 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

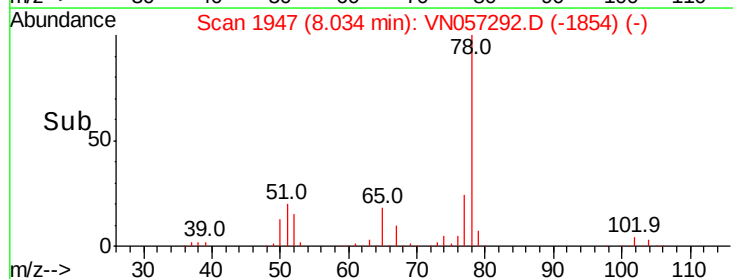
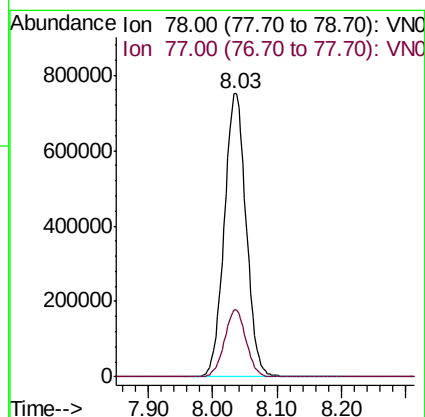
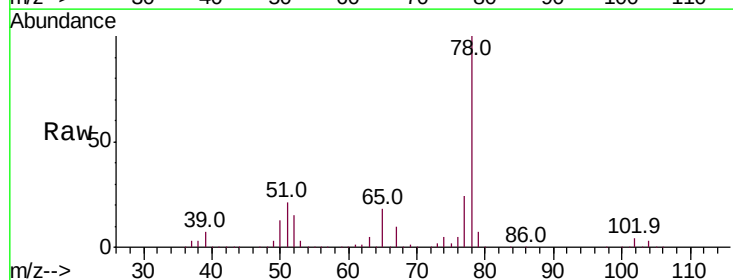
Instrument :
MSVOA_N
ClientSampleId :

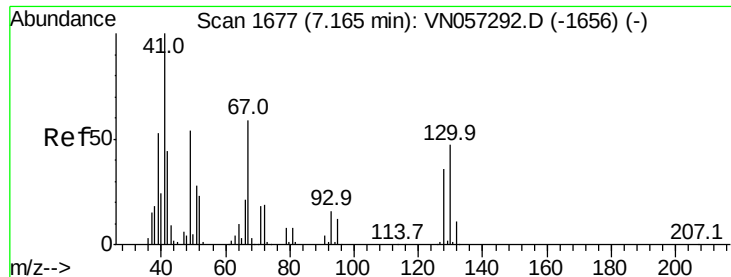
Tot Ion	83	Resp	675414
Ion	Ratio	Lower	Upper
83	100		
55	71.9	57.5	86.3
98	45.8	36.6	55.0



#40
Benzene
Concen: 49.143 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion	78	Resp	1765996
Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7





#41

Methacrylonitrile

Concen: 176.170 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.03 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 708387

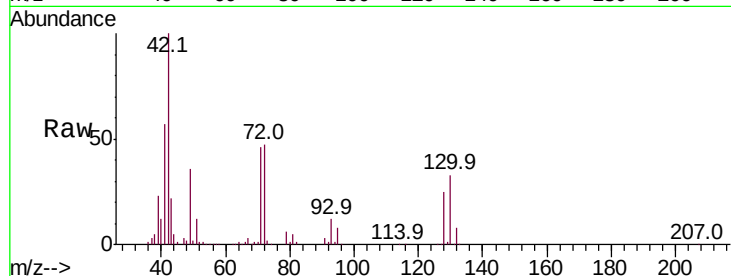
Ion Ratio Lower Upper

41 100

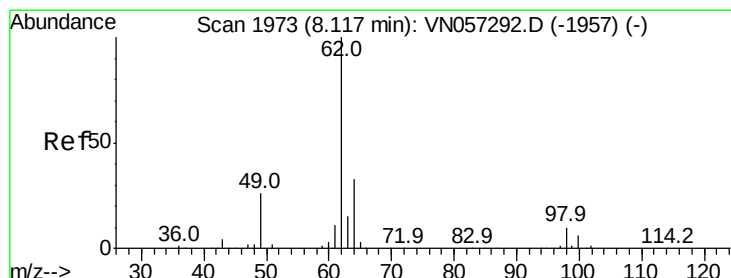
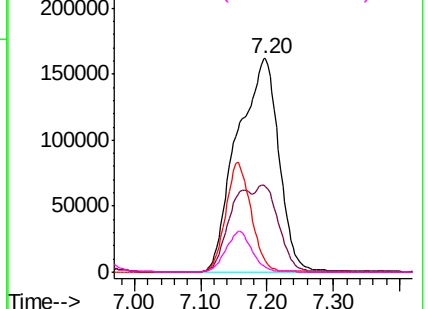
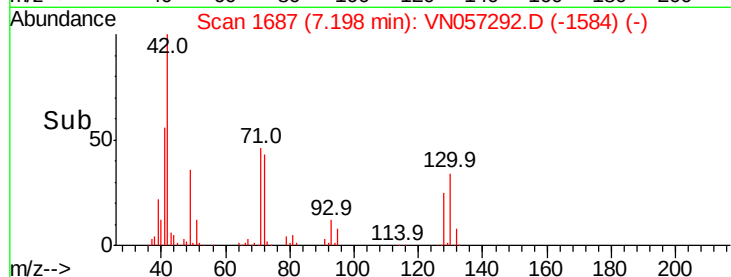
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VNO
250000
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 50.604 ug/l

RT: 8.12 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VN057292.D

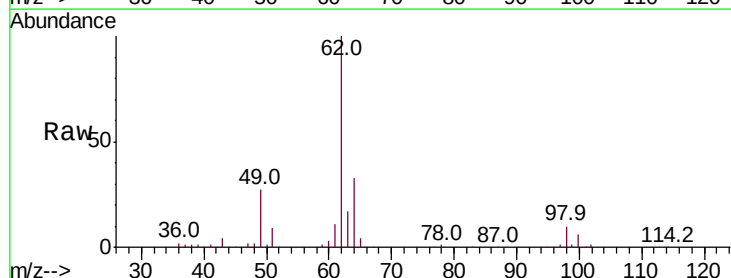
Acq: 14 Aug 2019 17:27

Tgt Ion: 62 Resp: 584169

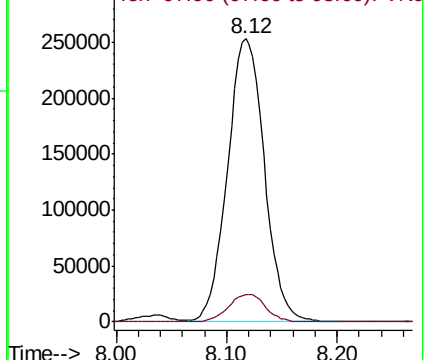
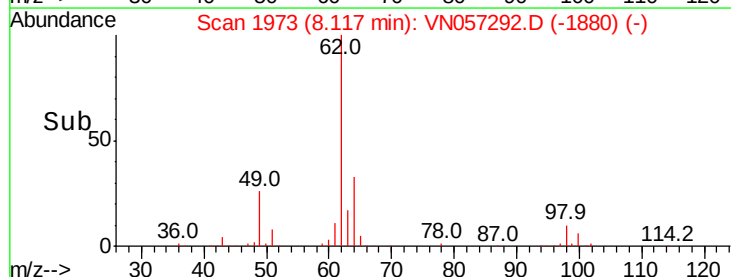
Ion Ratio Lower Upper

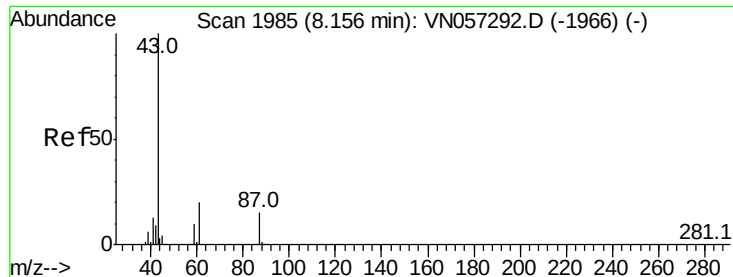
62 100

98 9.7 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
300000
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 56.679 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

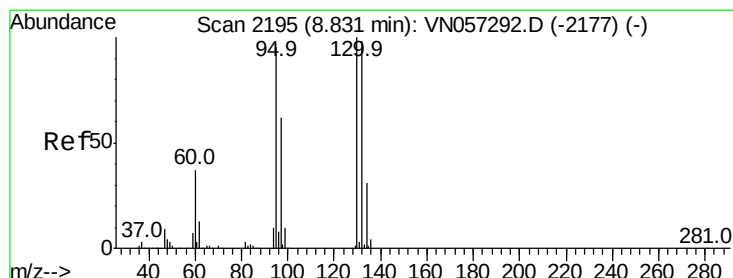
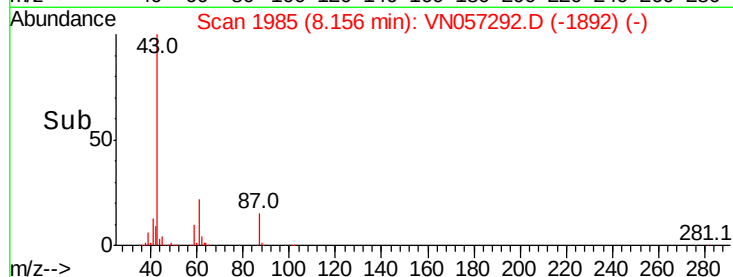
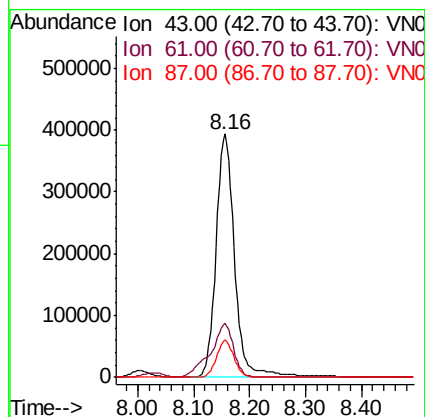
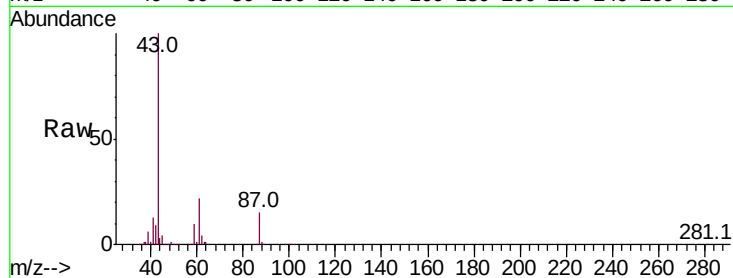
Tot Ion: 43 Resp: 906728

Ion Ratio Lower Upper

43 100

61 27.0 21.6 32.4

87 14.2 11.4 17.0



#44

Trichloroethene

Concen: 47.265 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN057292.D

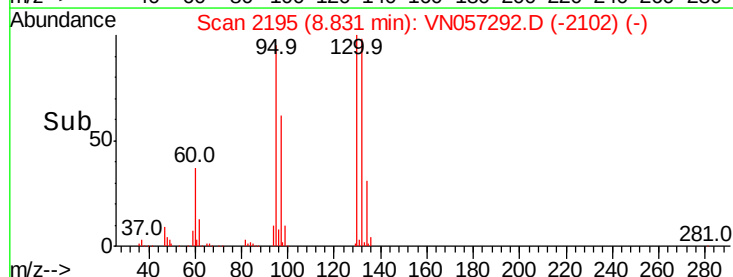
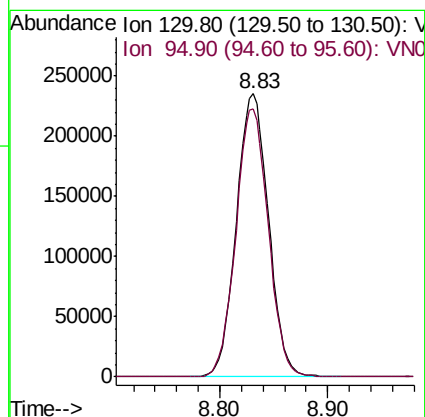
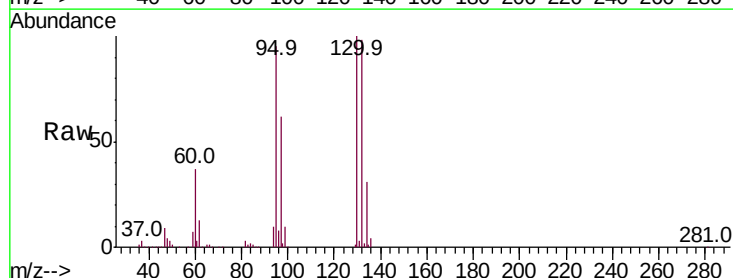
Acq: 14 Aug 2019 17:27

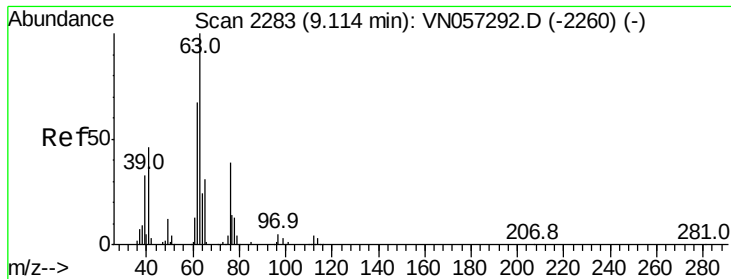
Tgt Ion:130 Resp: 489458

Ion Ratio Lower Upper

130 100

95 94.6 0.0 189.2

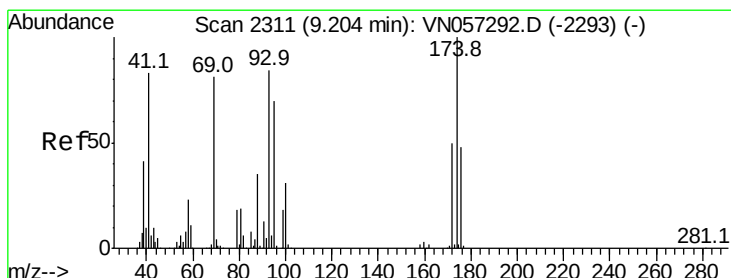
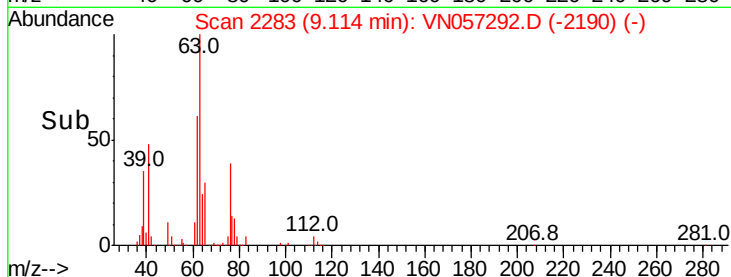
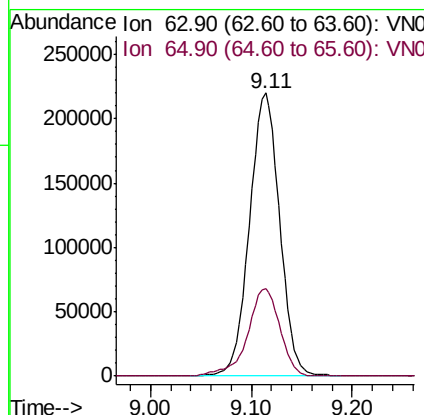
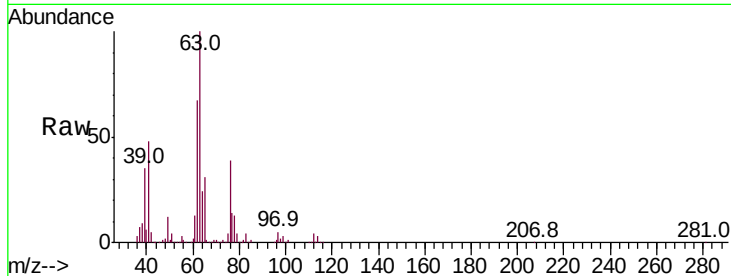




#45
 1,2-Dichloropropane
 Concen: 49.728 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

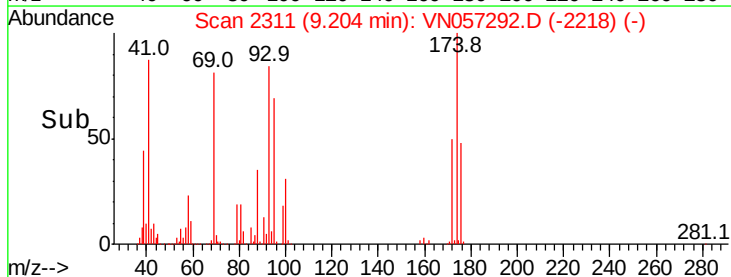
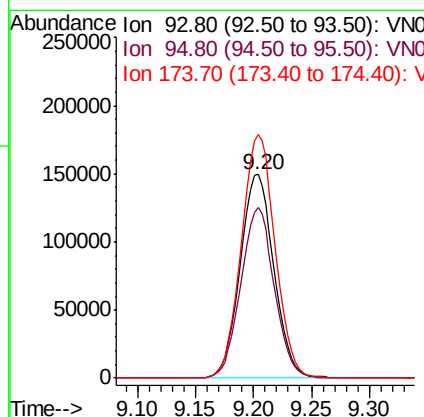
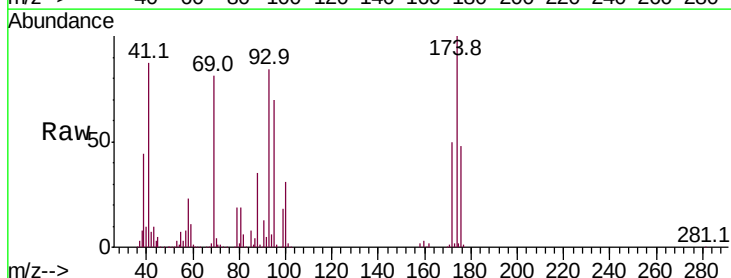
Instrument :
 MSVOA_N
 ClientSampled :

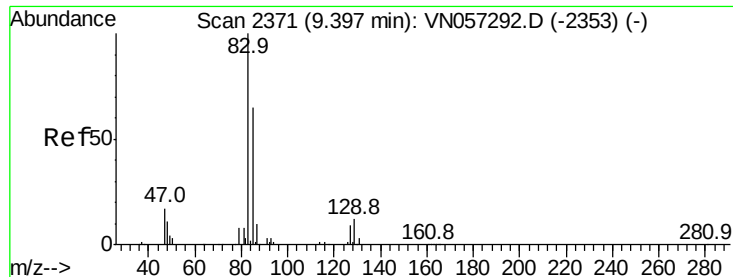
Tot Ion: 63 Resp: 453473
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2



#46
 Dibromomethane
 Concen: 49.445 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion: 93 Resp: 303214
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.5 99.7
 174 119.6 95.7 143.5





#47

Bromodichloromethane

Concen: 51.440 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

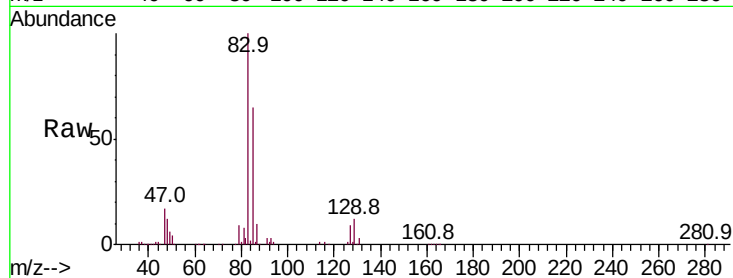
Tot Ion: 83 Resp: 609410

Ion Ratio Lower Upper

83 100

85 64.9 51.9 77.9

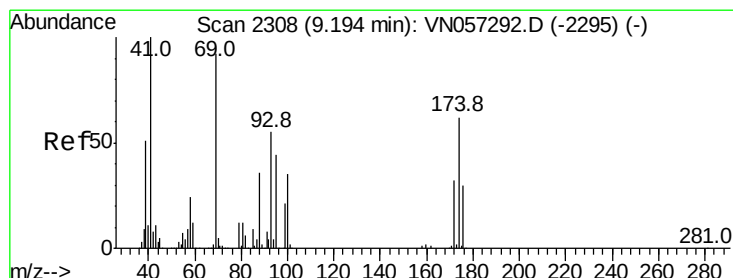
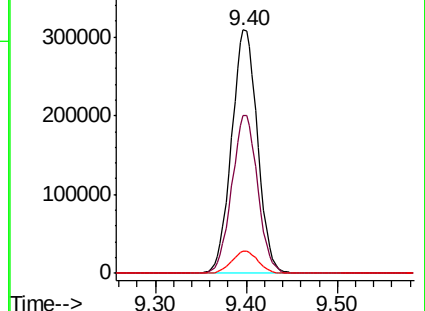
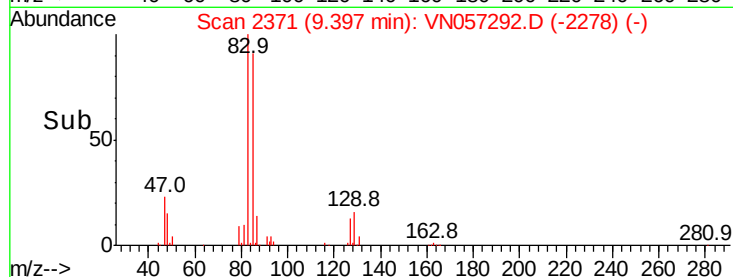
127 9.0 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN057292.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN057292.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN057292.D (-2353) (-)



#48

Methyl methacrylate

Concen: 55.385 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

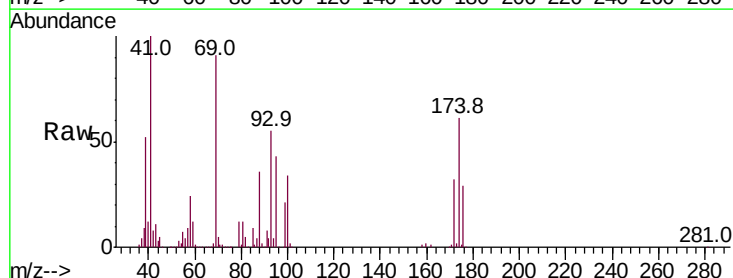
Tgt Ion: 41 Resp: 406329

Ion Ratio Lower Upper

41 100

69 94.9 75.9 113.9

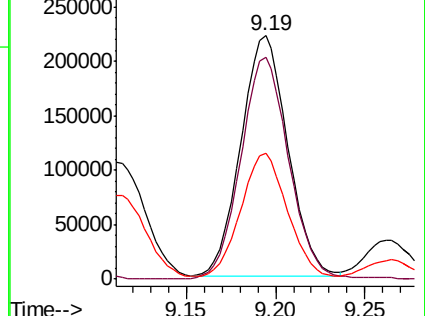
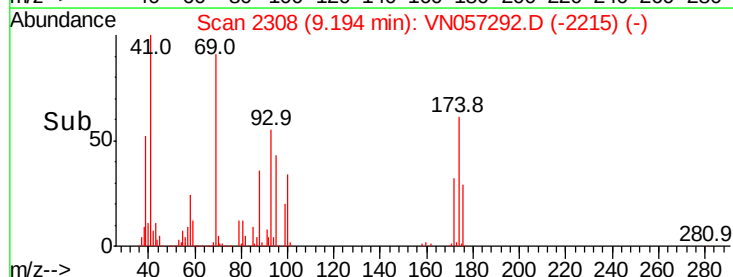
39 52.9 42.3 63.5

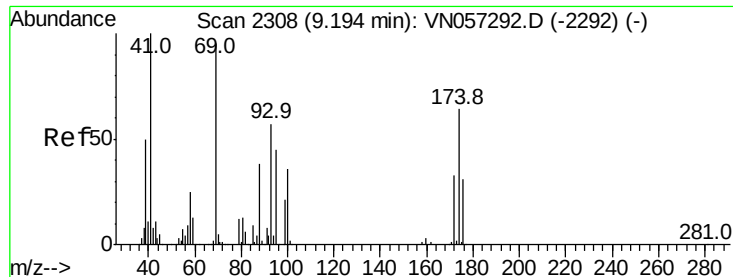


Abundance Ion 41.00 (40.70 to 41.70): VN057292.D (-2295) (-)

Ion 69.00 (68.70 to 69.70): VN057292.D (-2295) (-)

Ion 39.00 (38.70 to 39.70): VN057292.D (-2295) (-)

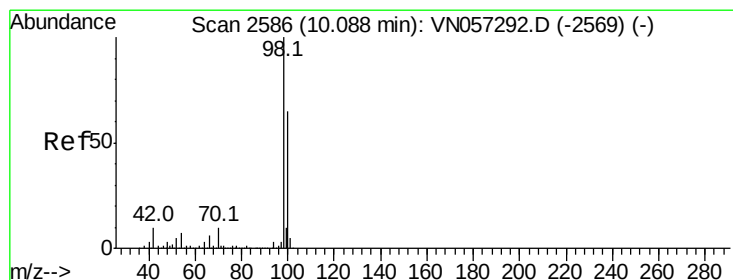
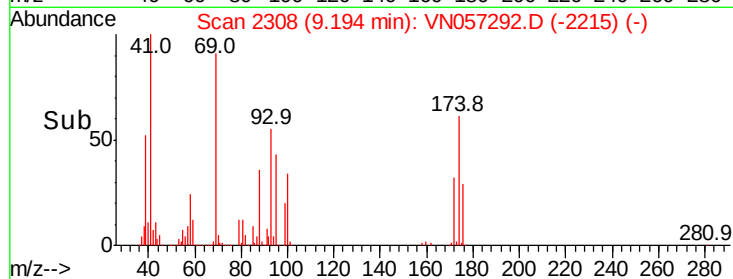
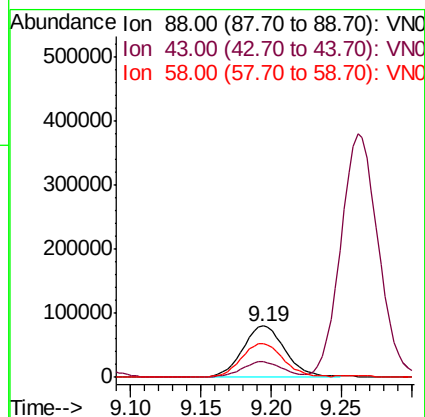
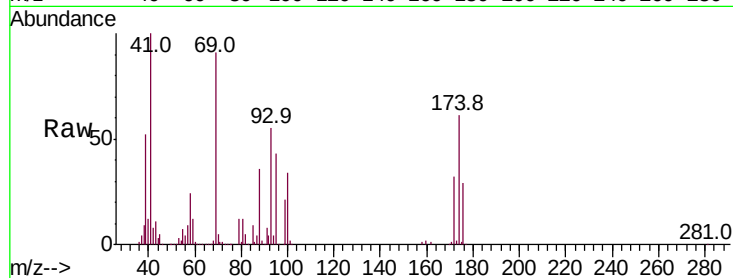




#49
1,4-Dioxane
Concen: 1028.705 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

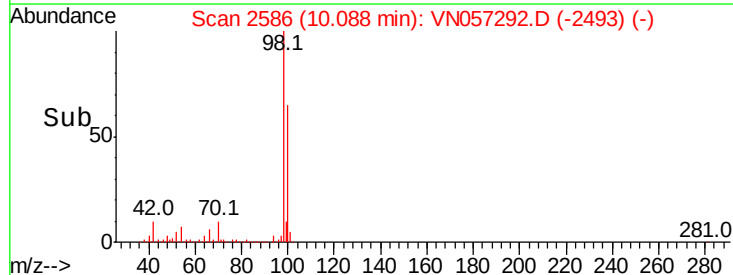
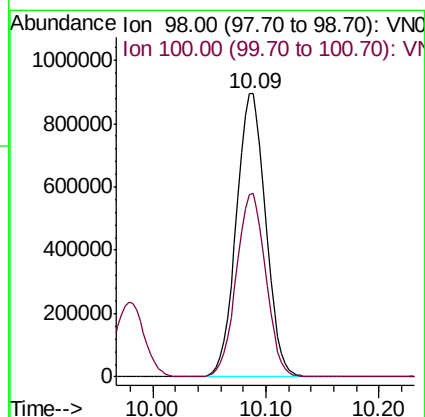
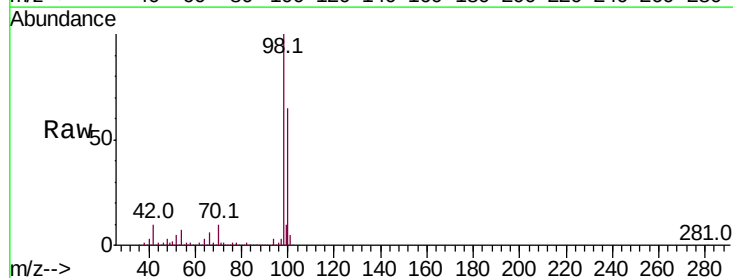
Instrument :
MSVOA_N
ClientSampleId :

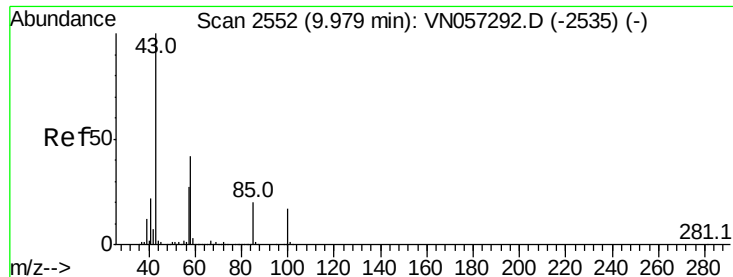
Tot Ion: 88 Resp: 169509
Ion Ratio Lower Upper
88 100
43 28.6 22.9 34.3
58 65.9 52.7 79.1



#50
Toluene-d8
Concen: 51.879 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion: 98 Resp: 1621810
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 269.602 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

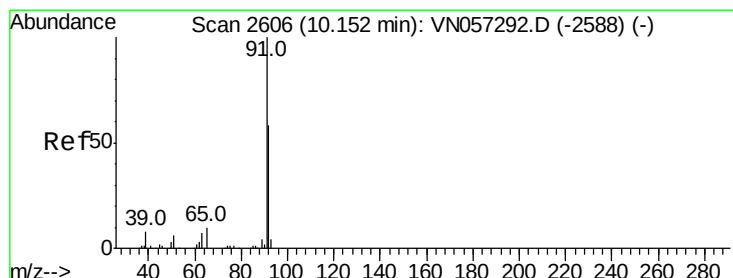
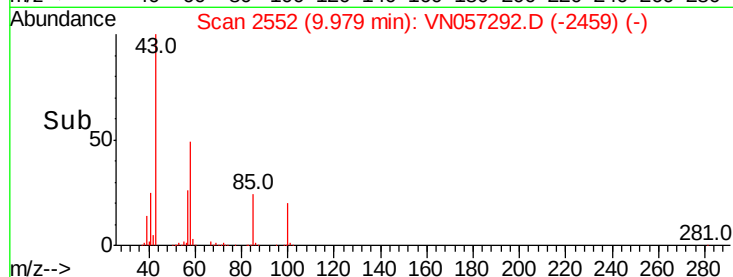
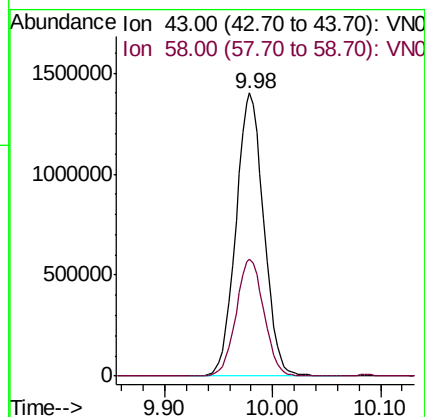
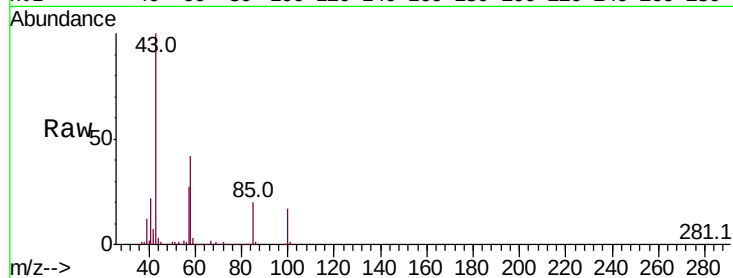
ClientSampleId :

Tot Ion: 43 Resp: 2511806

Ion Ratio Lower Upper

43 100

58 41.5 33.2 49.8



#52

Toluene

Concen: 50.324 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057292.D

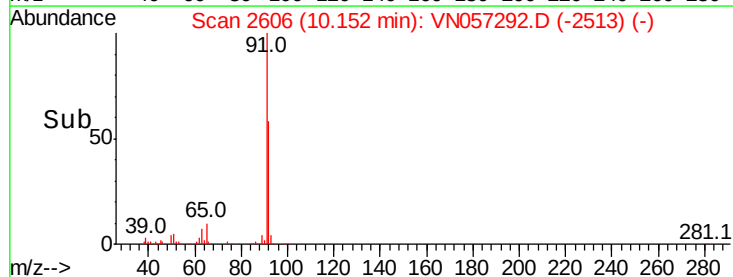
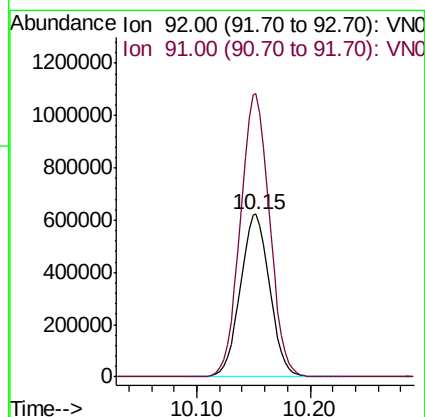
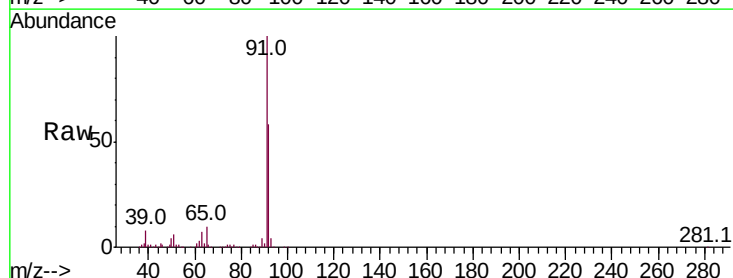
Acq: 14 Aug 2019 17:27

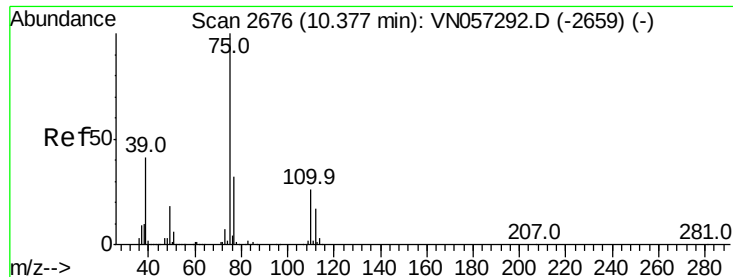
Tgt Ion: 92 Resp: 1122028

Ion Ratio Lower Upper

92 100

91 173.6 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 52.596 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

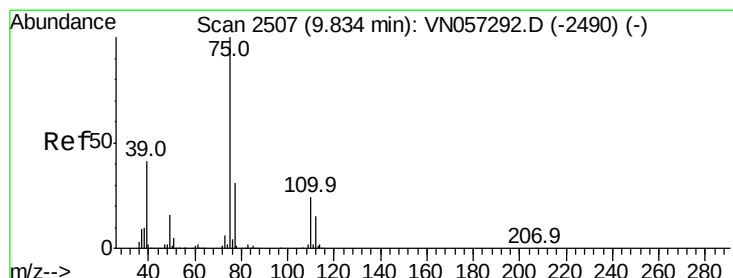
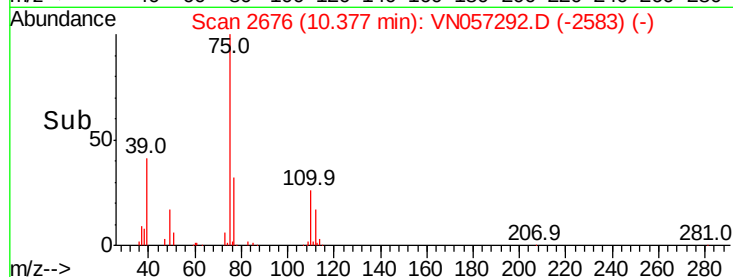
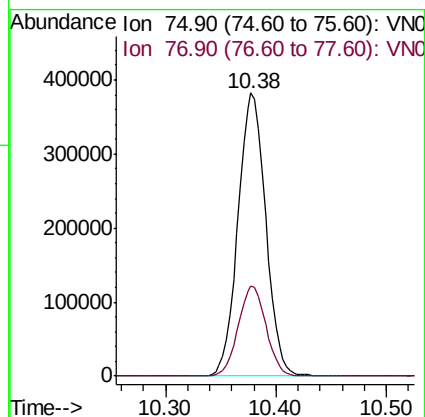
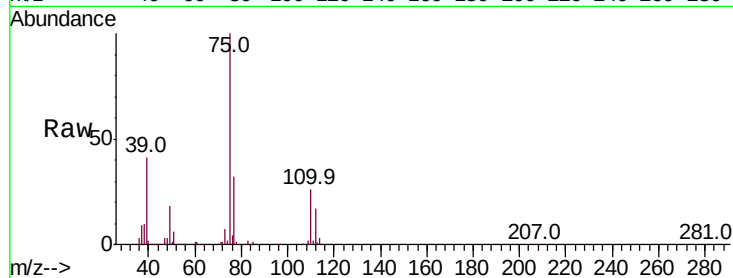
ClientSampleId :

Tot Ion: 75 Resp: 666363

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 51.873 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

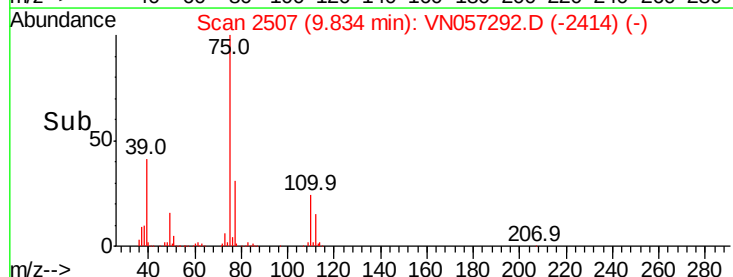
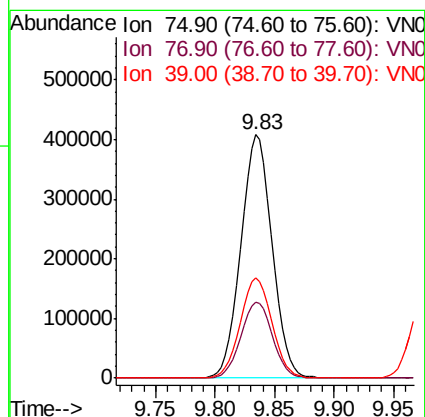
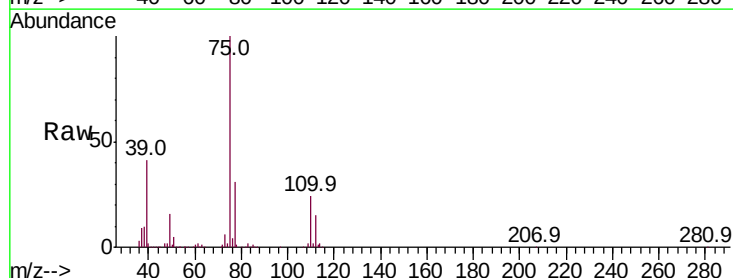
Tgt Ion: 75 Resp: 740423

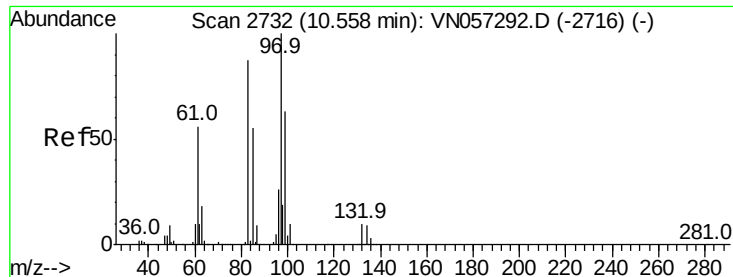
Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3

39 40.9 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 50.135 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 438733

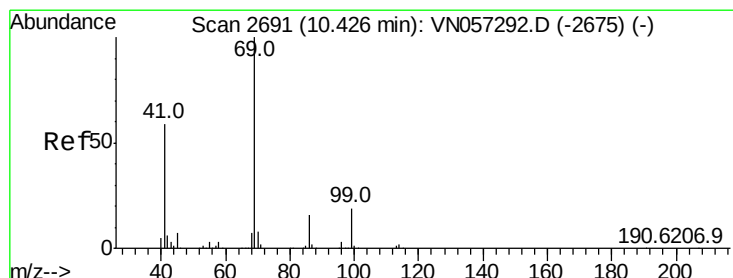
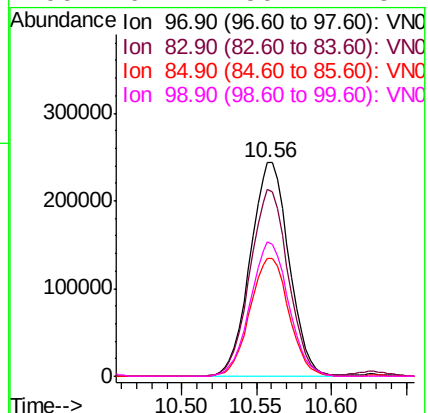
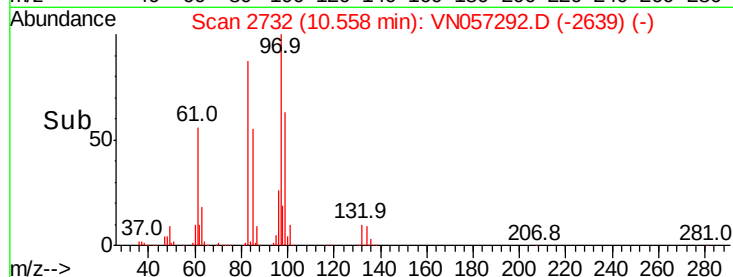
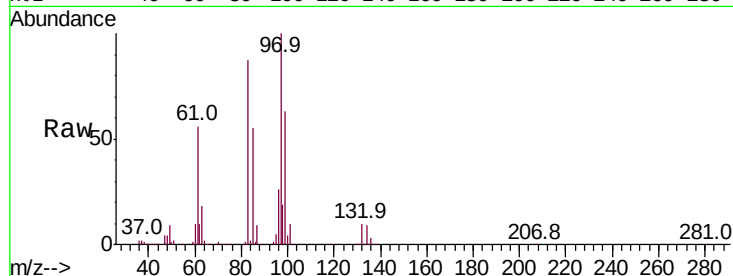
Ion Ratio Lower Upper

97 100

83 87.3 69.8 104.8

85 55.1 44.1 66.1

99 62.7 50.2 75.2



#56

Ethyl methacrylate

Concen: 54.283 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

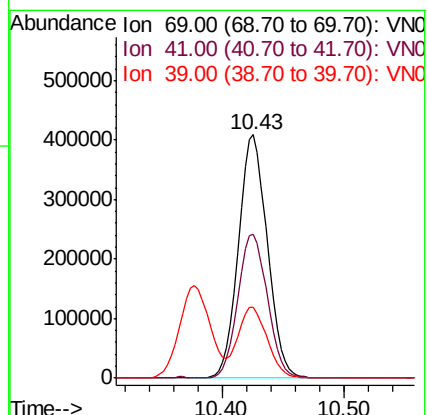
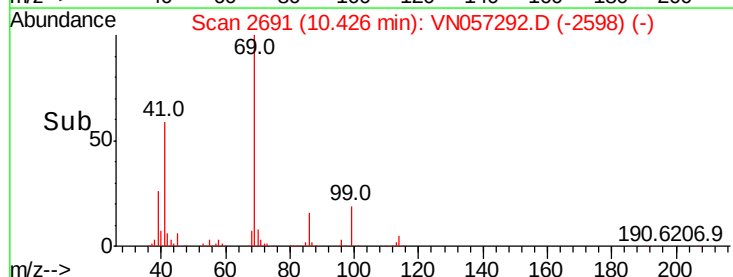
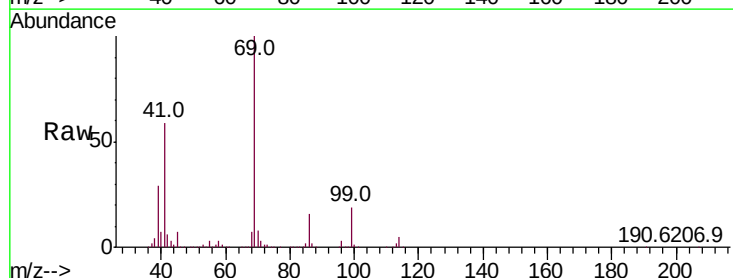
Tgt Ion: 69 Resp: 670504

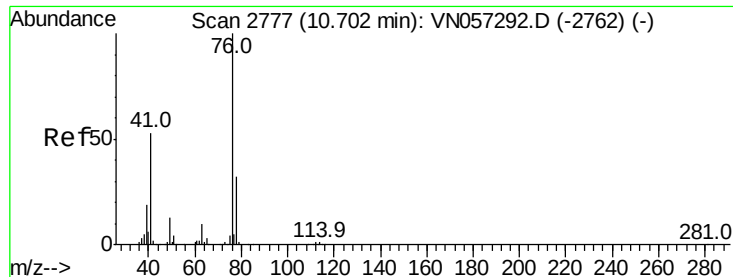
Ion Ratio Lower Upper

69 100

41 60.2 48.2 72.2

39 29.2 23.4 35.0





#57

1,3-Dichloropropane

Concen: 50.680 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

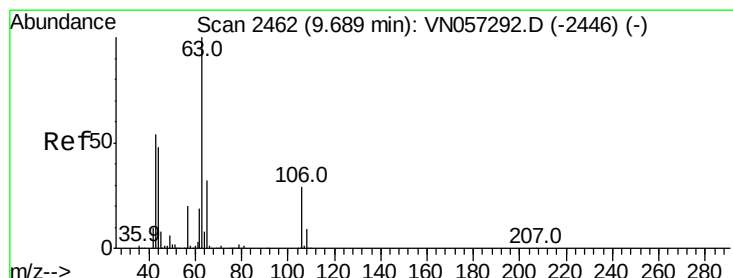
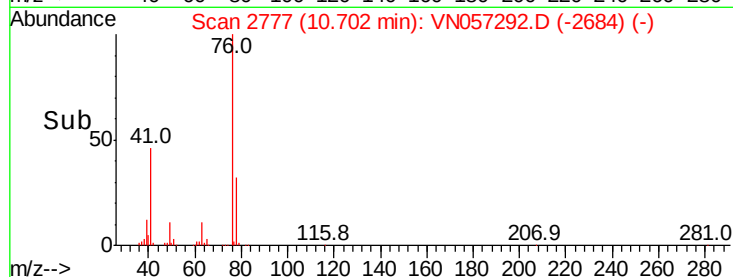
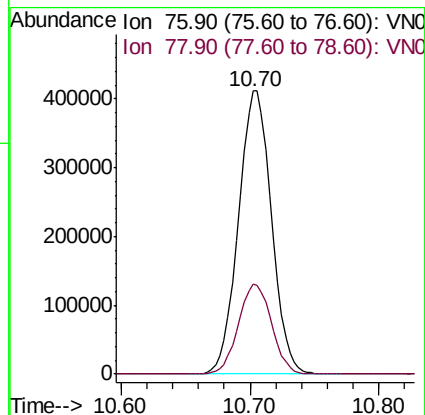
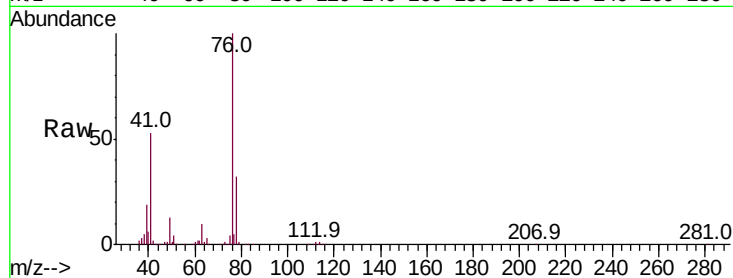
ClientSampled :

Tot Ion: 76 Resp: 732284

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 282.147 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057292.D

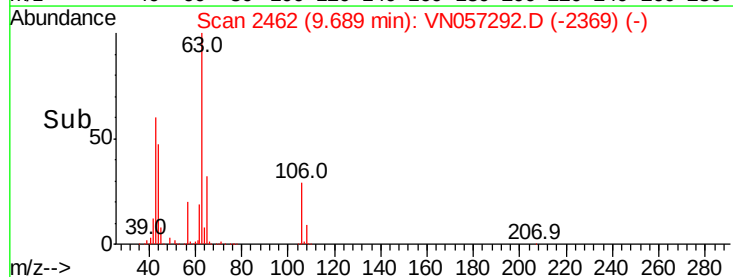
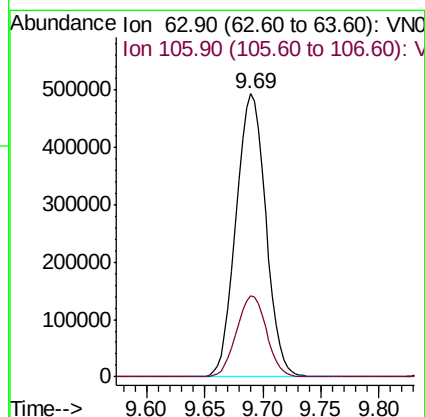
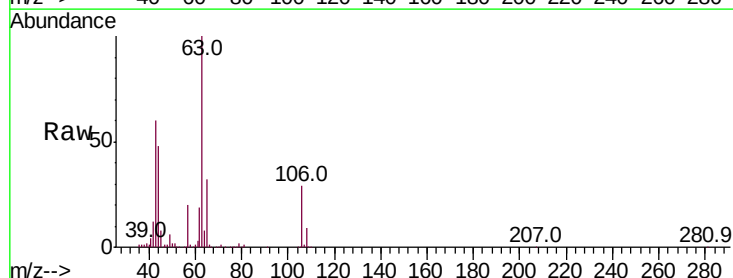
Acq: 14 Aug 2019 17:27

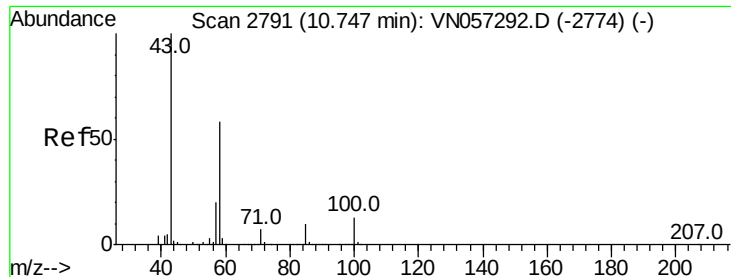
Tgt Ion: 63 Resp: 876447

Ion Ratio Lower Upper

63 100

106 29.0 23.2 34.8

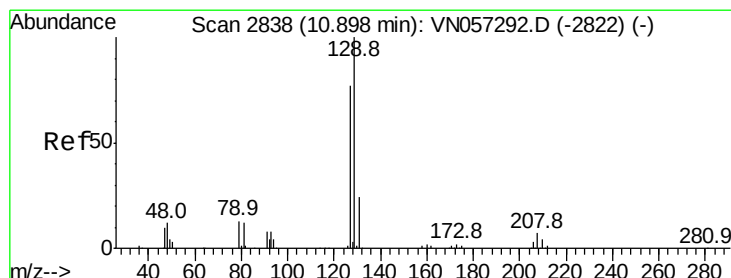
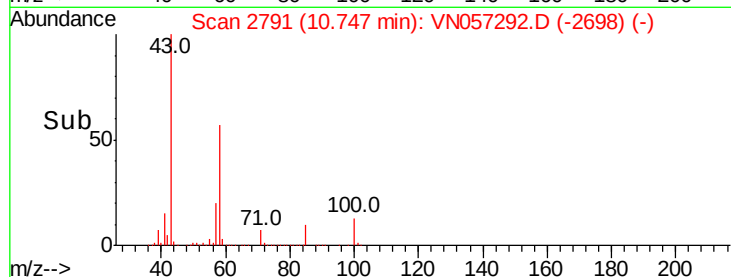
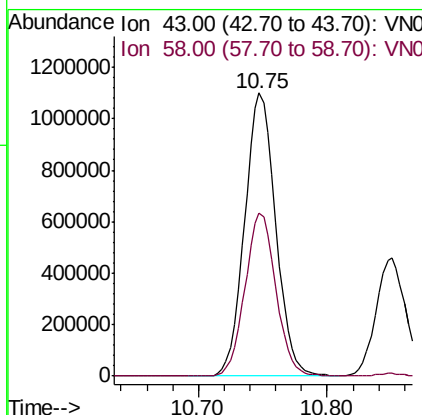
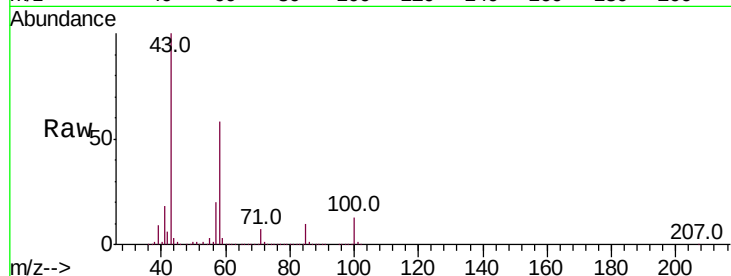




#59
2-Hexanone
Concen: 278.397 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

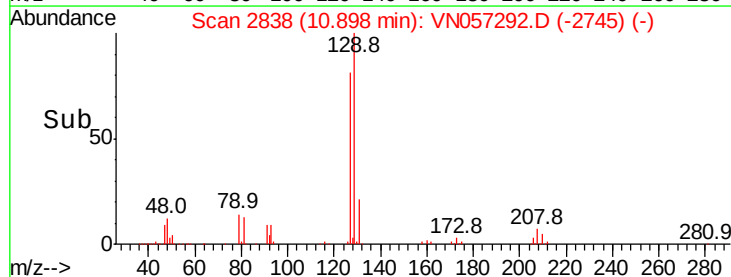
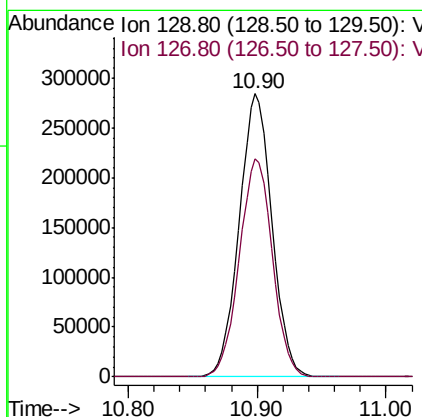
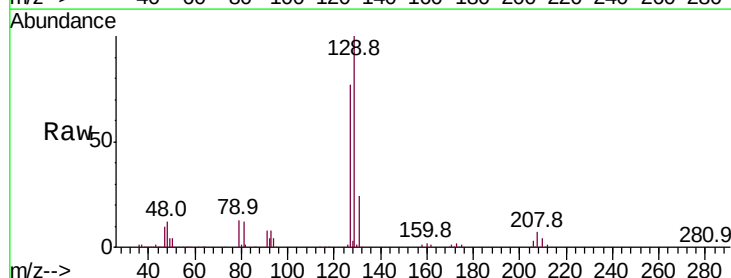
Instrument :
MSVOA_N
ClientSampleId :

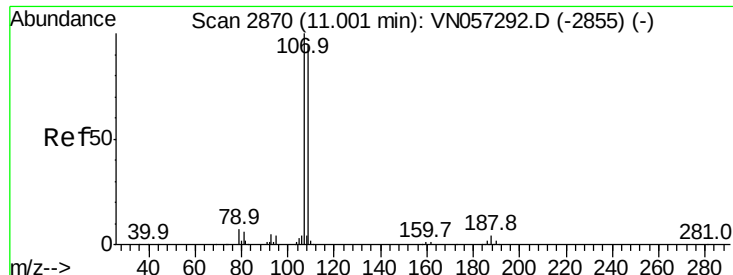
Tot Ion: 43 Resp: 1843386
Ion Ratio Lower Upper
43 100
58 57.3 28.6 85.9



#60
Dibromochloromethane
Concen: 51.171 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion: 129 Resp: 502361
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9

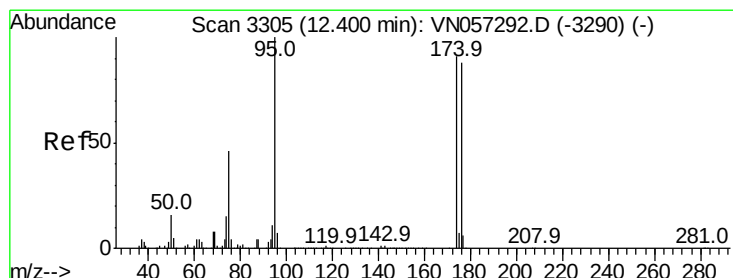
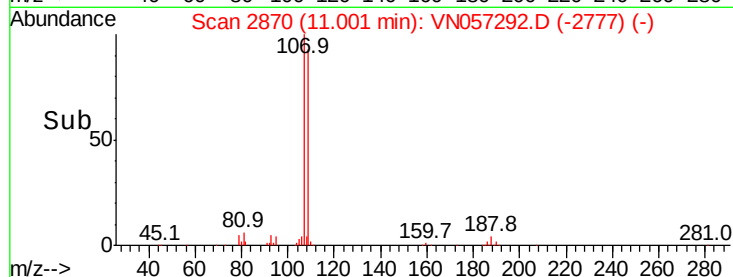
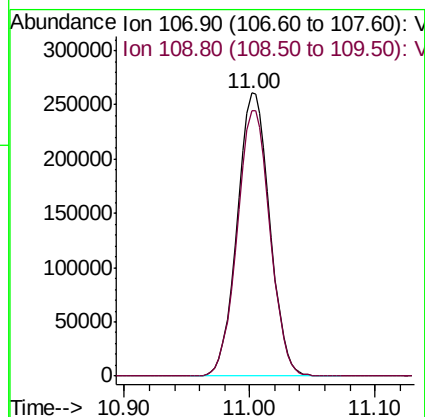
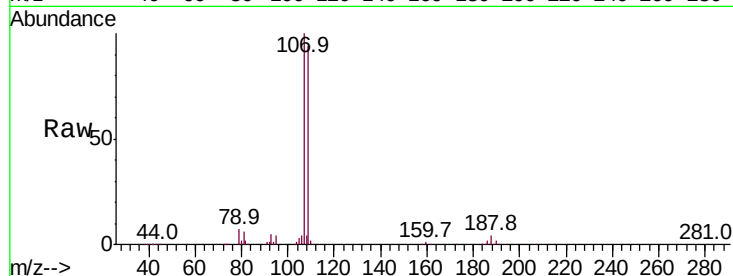




#61
 1,2-Dibromoethane
 Concen: 51.691 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

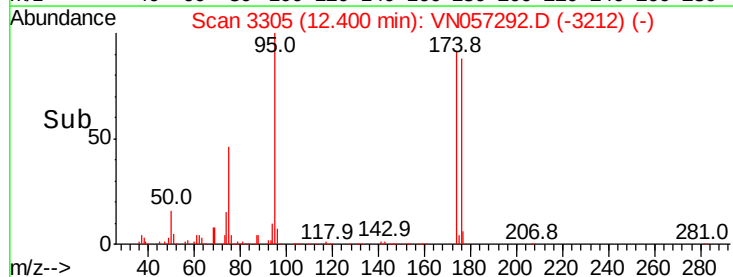
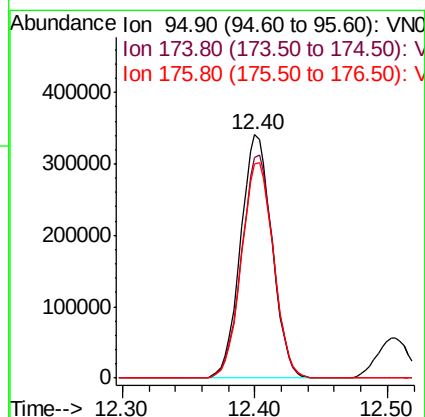
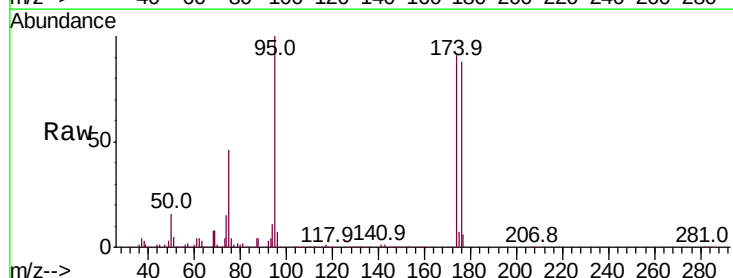
Instrument :
 MSVOA_N
 ClientSampleId :

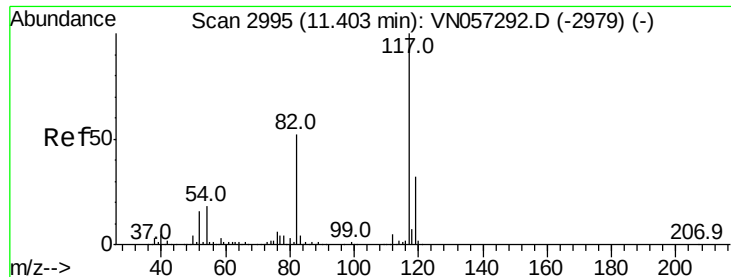
Tot Ion:107 Resp: 470023
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 51.921 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion: 95 Resp: 559669
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 185.0
 176 90.5 0.0 181.0

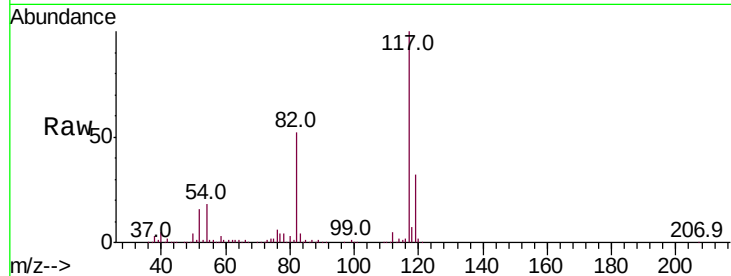




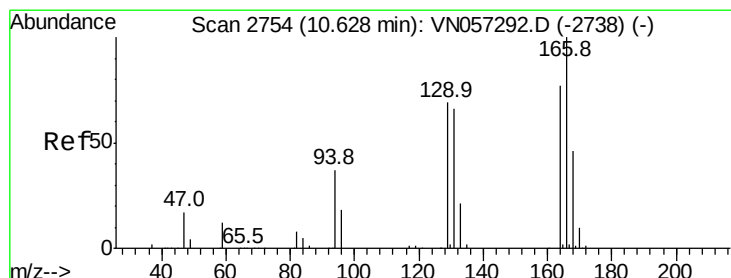
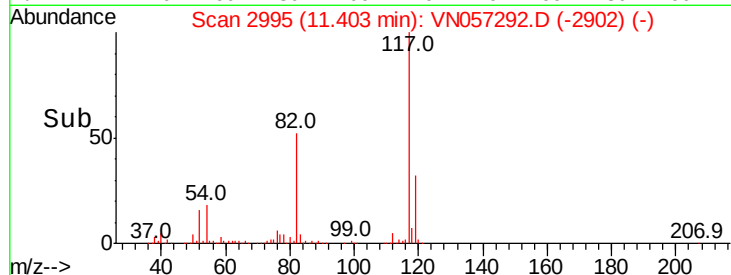
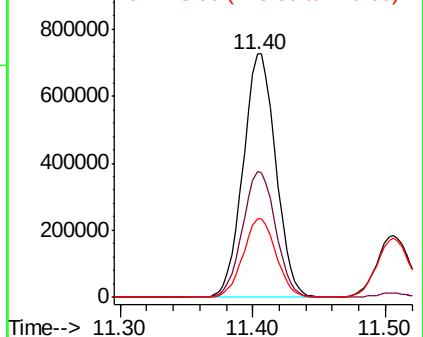
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1240863
Ion Ratio Lower Upper
117 100
82 51.5 41.2 61.8
119 32.3 25.8 38.8

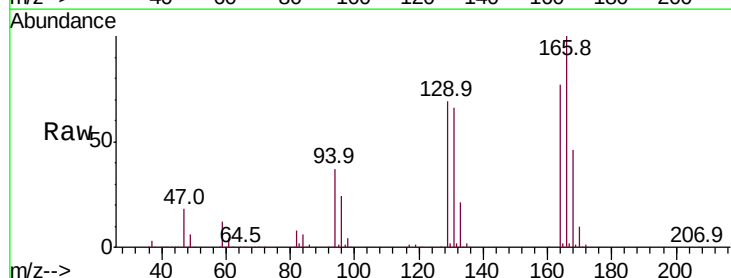


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

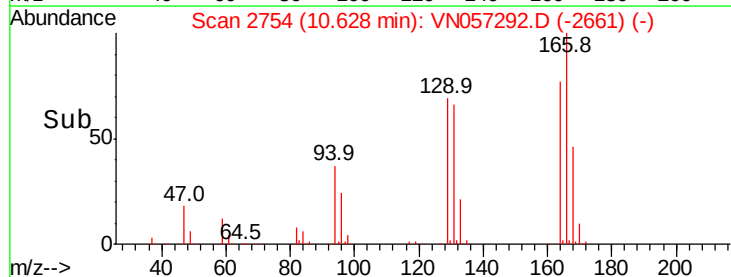
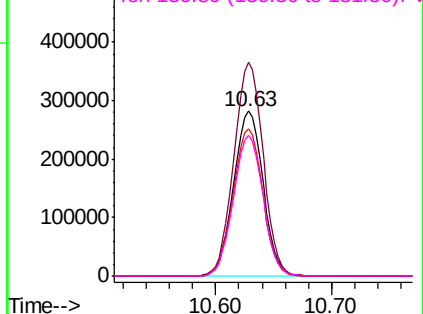


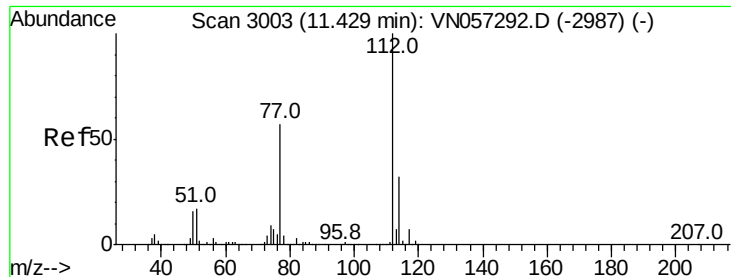
#64
Tetrachloroethene
Concen: 45.399 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion:164 Resp: 495238
Ion Ratio Lower Upper
164 100
166 129.4 103.5 155.3
129 89.0 71.2 106.8
131 85.3 68.2 102.4



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

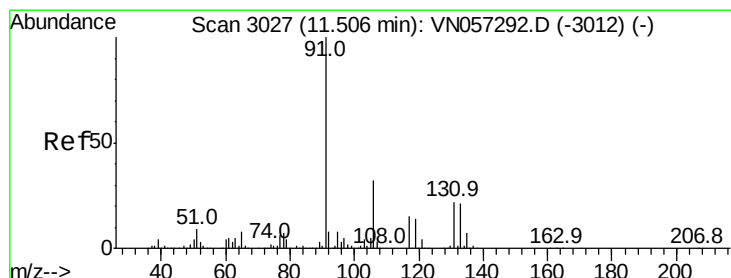
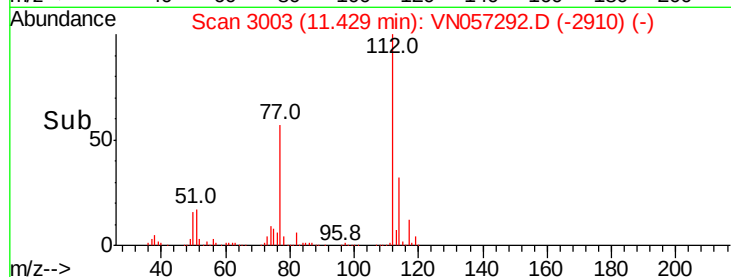
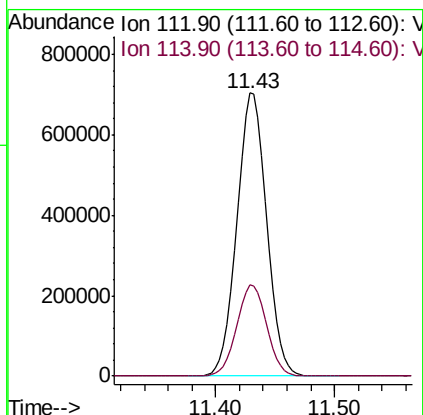
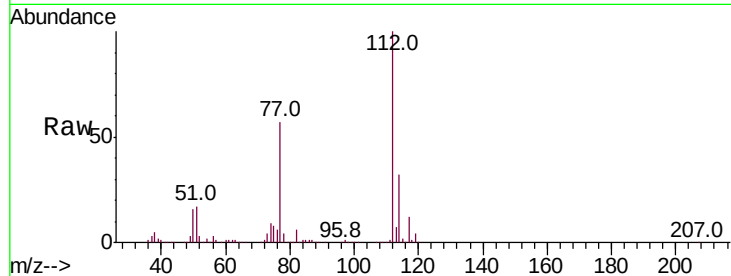




#65
Chlorobenzene
Concen: 48.191 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

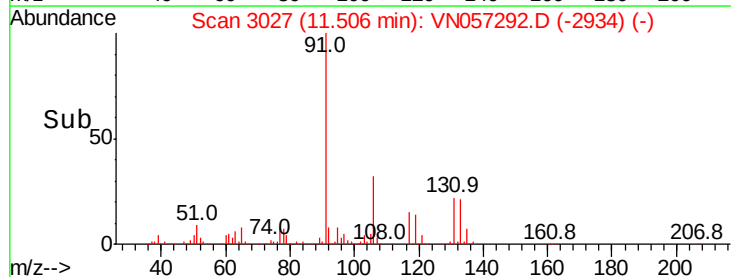
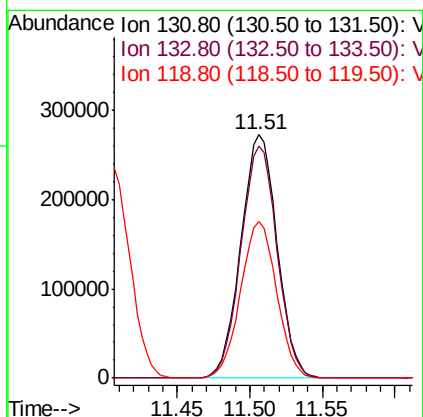
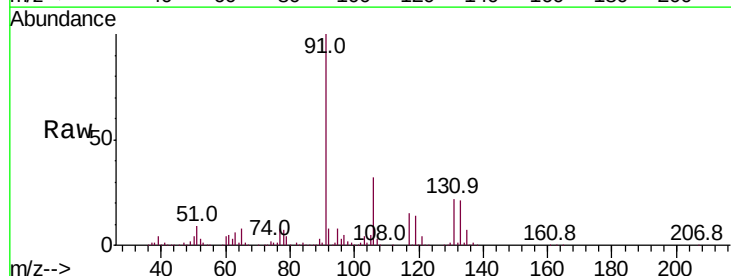
Instrument :
MSVOA_N
ClientSampleId :

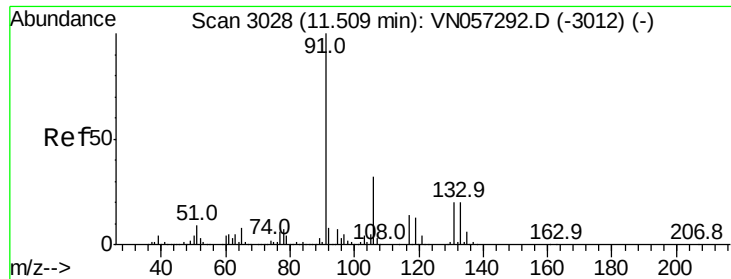
Tot Ion:112 Resp: 1217381
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 48.646 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion:131 Resp: 474729
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.8
119 64.1 32.0 96.2

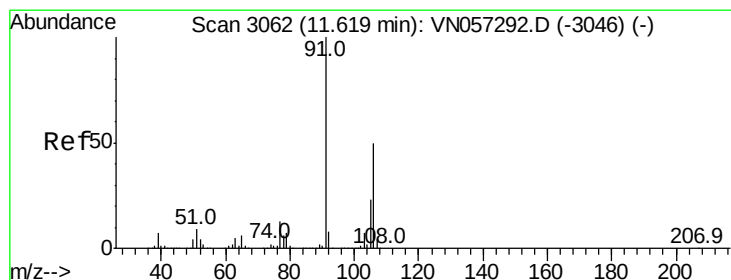
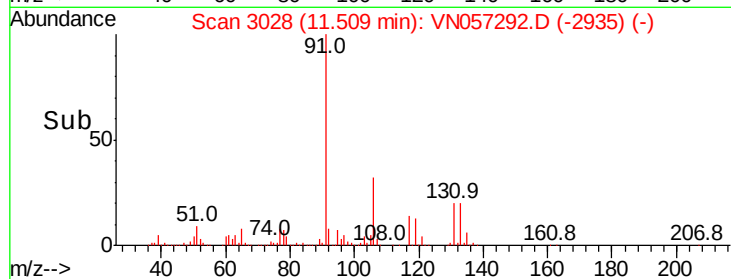
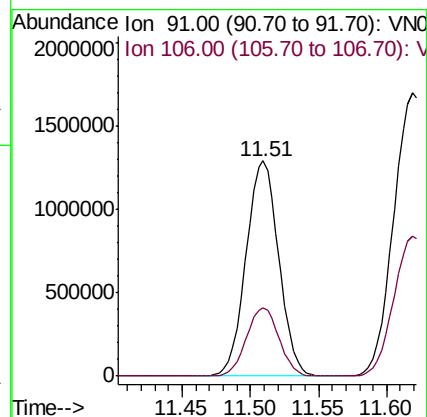
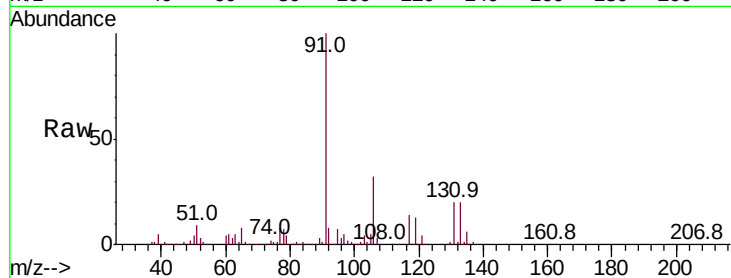




#67
Ethyl Benzene
Concen: 49.693 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

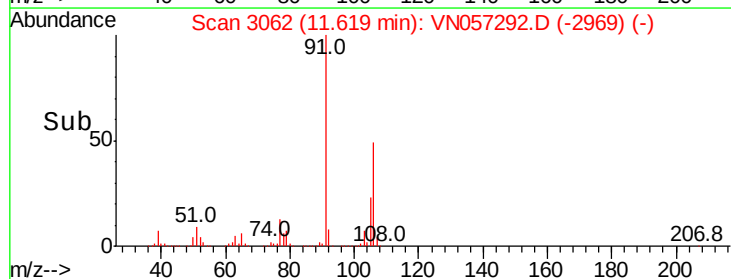
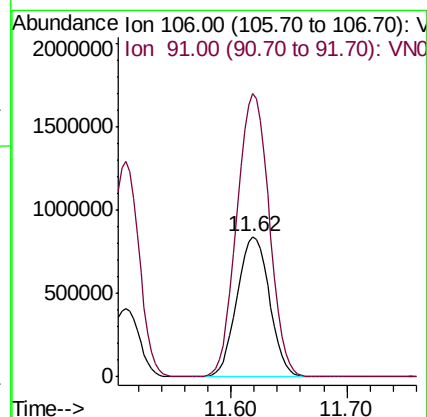
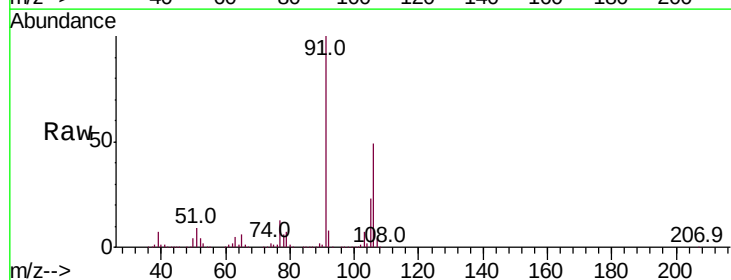
Instrument :
MSVOA_N
ClientSampleId :

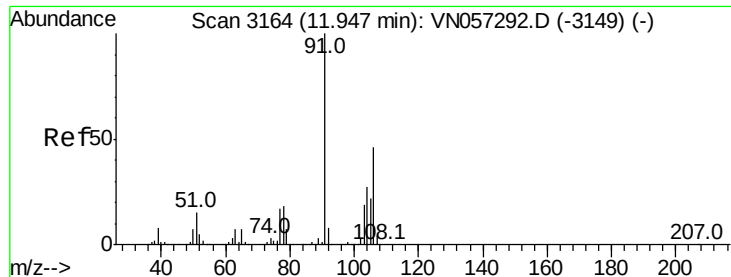
Tot Ion: 91 Resp: 2148725
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 100.888 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion:106 Resp: 1629593
Ion Ratio Lower Upper
106 100
91 201.9 161.5 242.3

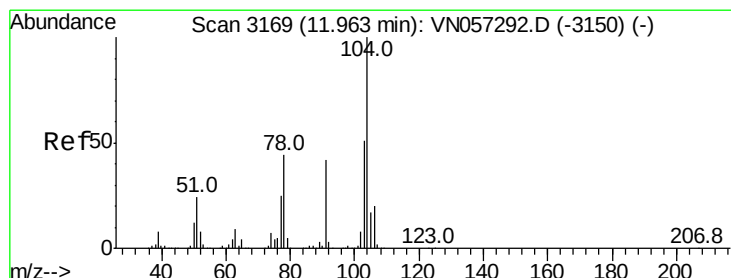
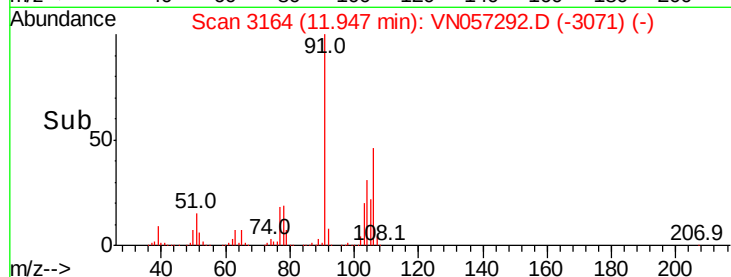
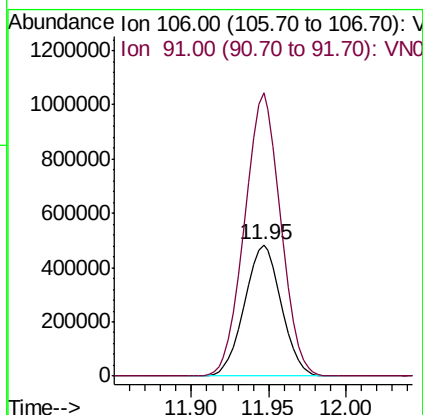
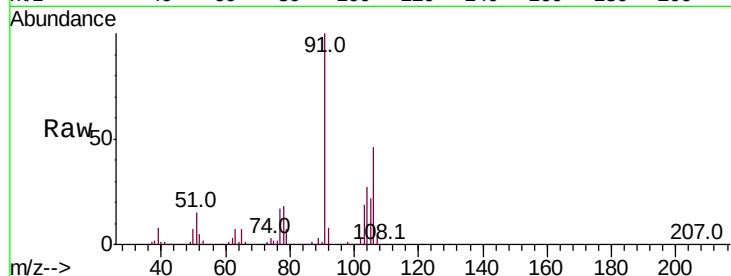




#69
o-Xylene
Concen: 50.371 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

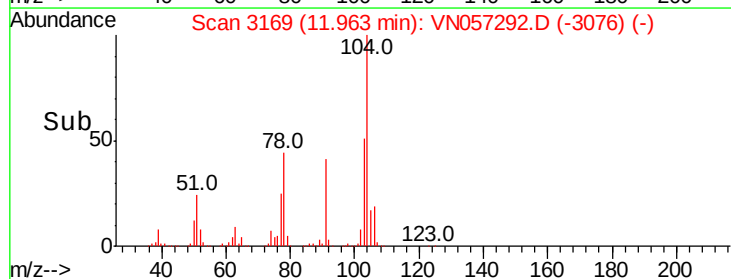
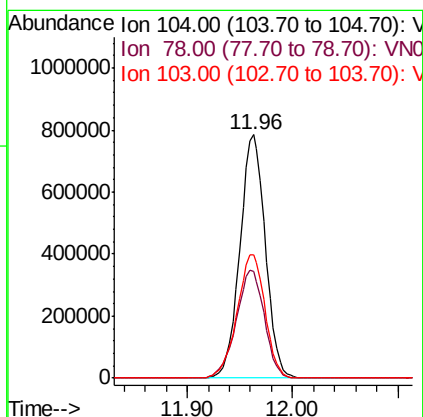
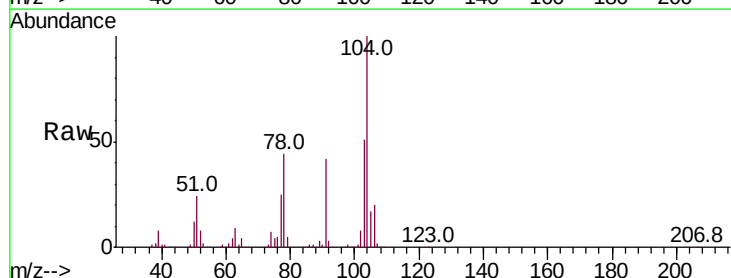
Instrument :
MSVOA_N
ClientSampled :

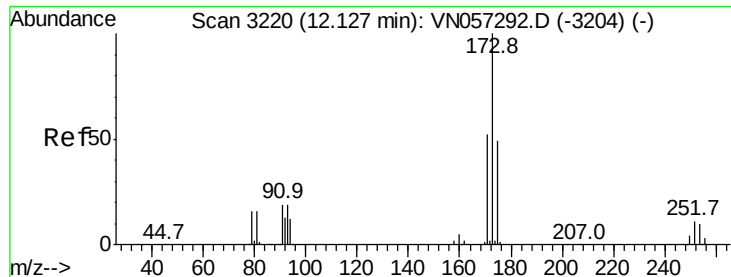
Tot Ion:106 Resp: 797665
Ion Ratio Lower Upper
106 100
91 212.7 106.3 319.0



#70
Styrene
Concen: 53.537 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion:104 Resp: 1310598
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 55.7 44.6 66.8





#71

Bromoform

Concen: 51.566 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

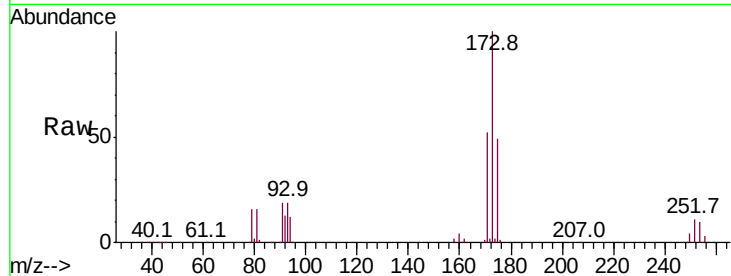
Tot Ion:173 Resp: 386849

Ion Ratio Lower Upper

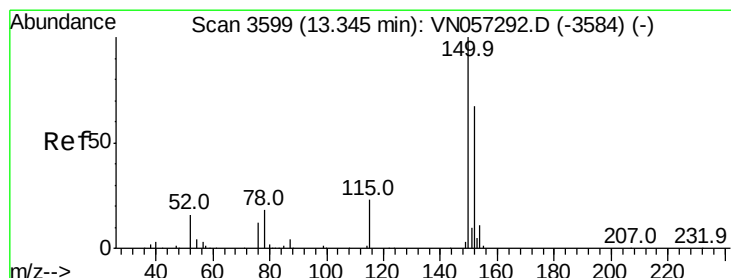
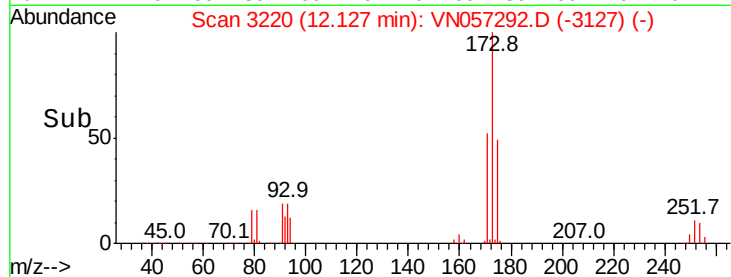
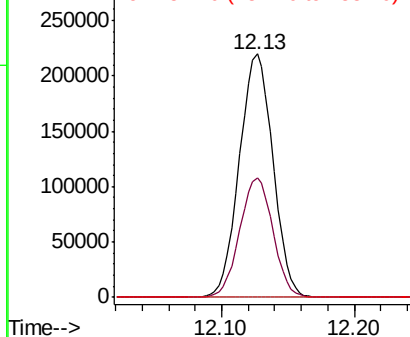
173 100

175 48.4 24.2 72.6

254 0.2 0.2 0.2#



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: VN057292.D

Acq: 14 Aug 2019 17:27

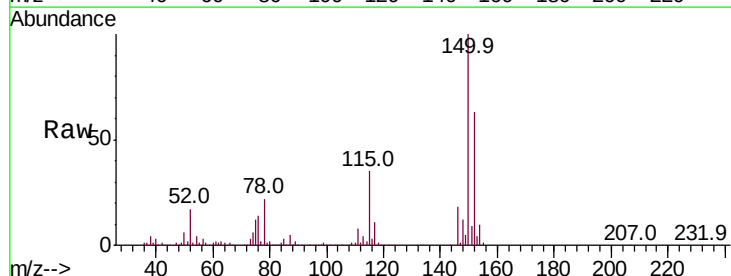
Tgt Ion:152 Resp: 514179

Ion Ratio Lower Upper

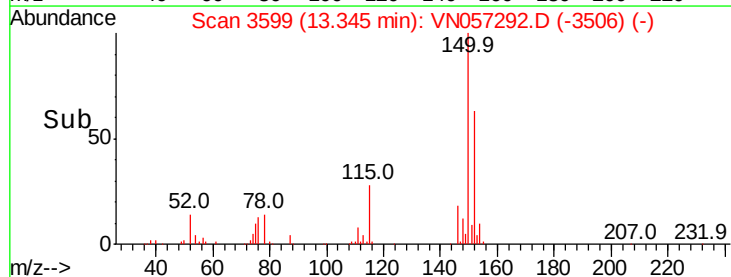
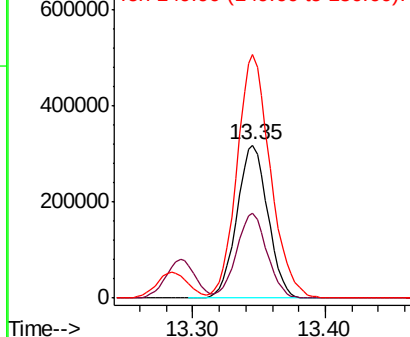
152 100

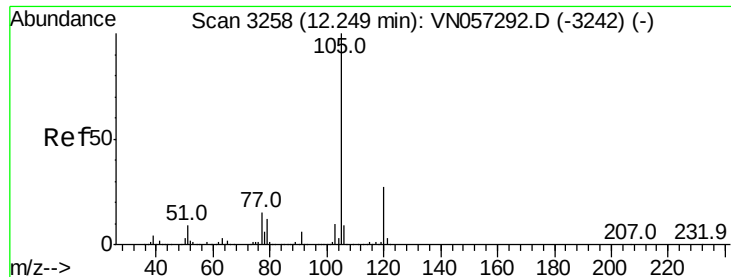
115 54.6 27.3 81.9

150 172.2 0.0 344.4



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: 45.056 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

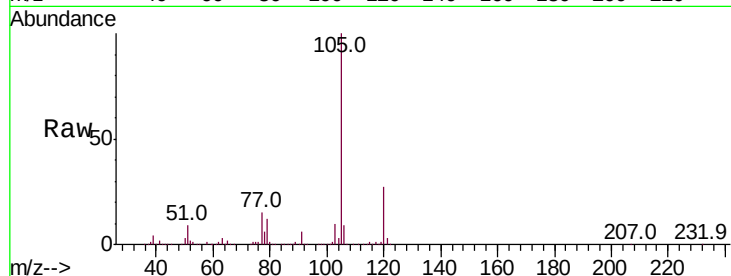
ClientSampled :

Tot Ion:105 Resp: 2148506

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

1500000

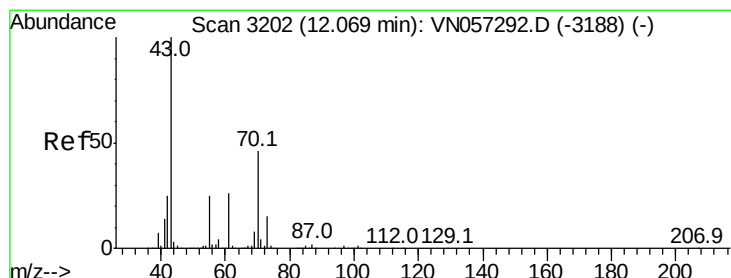
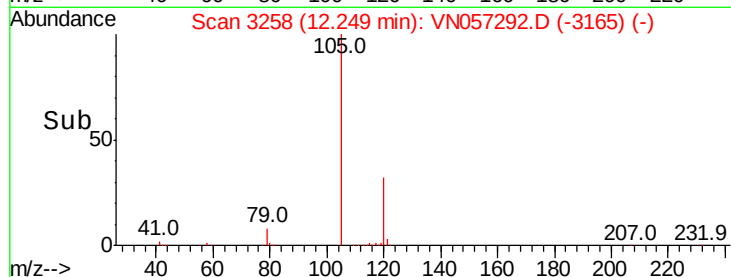
1000000

500000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 49.149 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Tgt Ion: 43 Resp: 683885

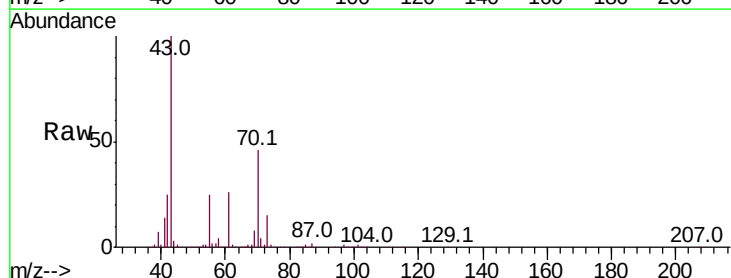
Ion Ratio Lower Upper

43 100

70 45.2 36.2 54.2

55 25.1 20.1 30.1

61 26.1 20.9 31.3



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

12.07

600000

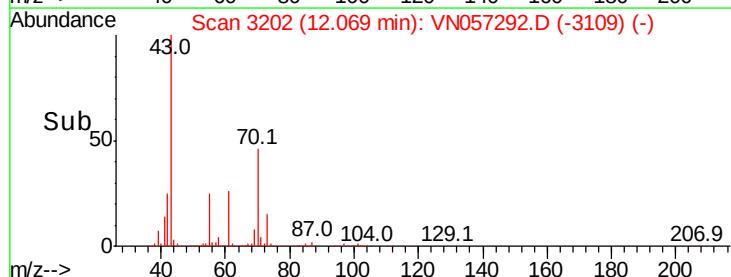
400000

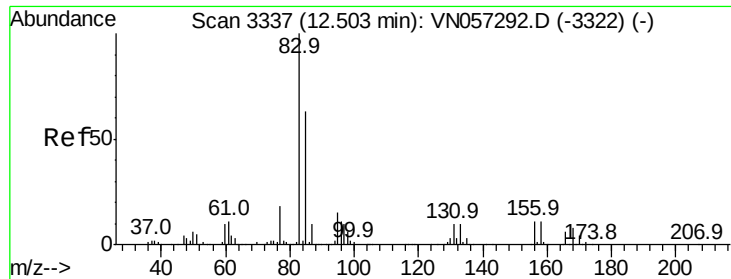
200000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 44.462 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

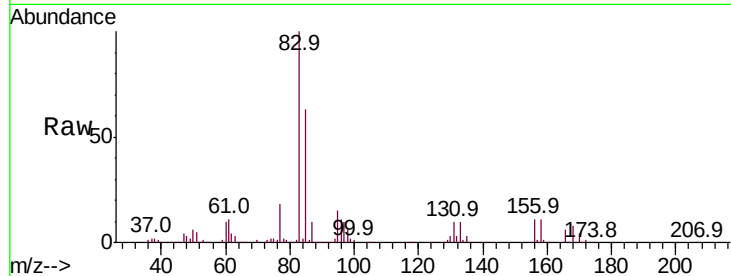
Tot Ion: 83 Resp: 608589

Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.4	16.2
85	64.6	32.3	96.9

83 100

131 10.8 5.4 16.2

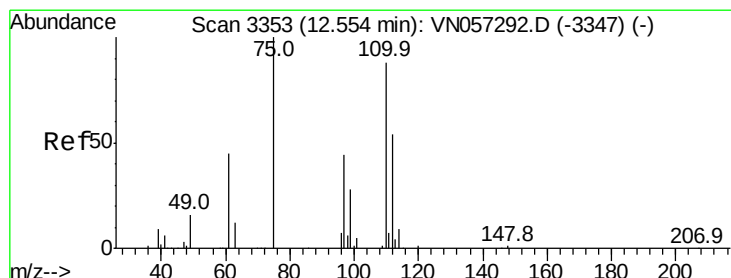
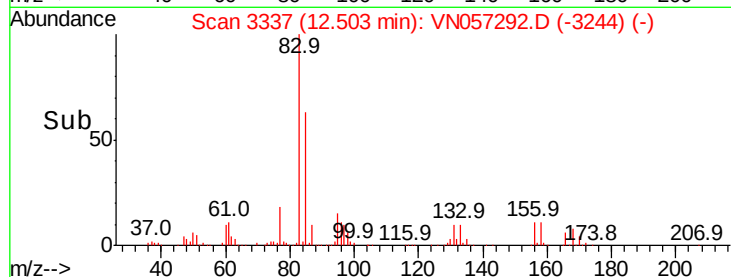
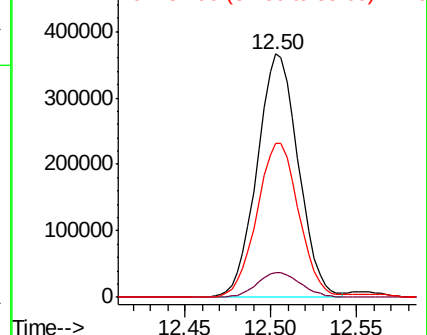
85 64.6 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN057292.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN057292.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN057292.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 70.647 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057292.D

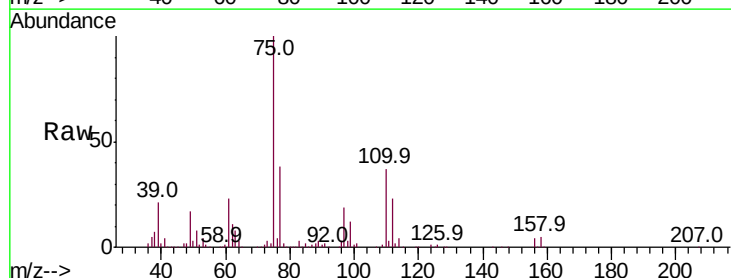
Acq: 14 Aug 2019 17:27

Tgt Ion: 75 Resp: 768398

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

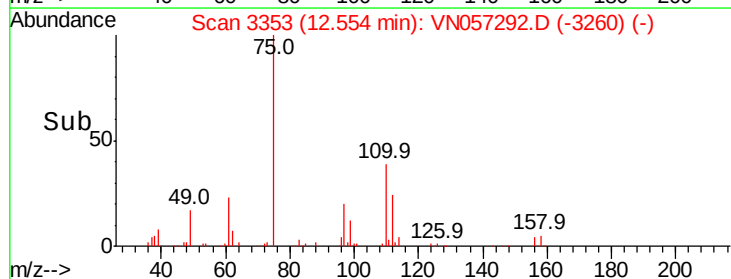
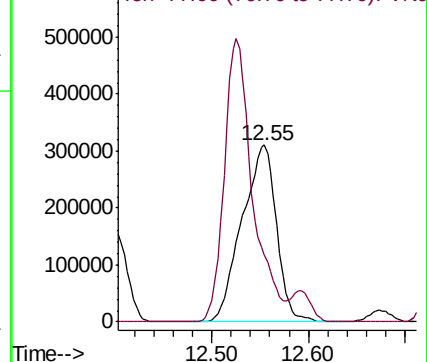
75 100

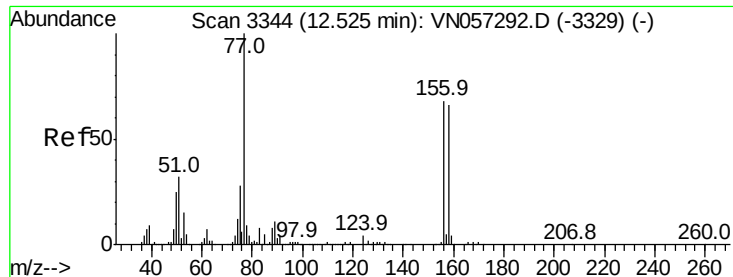
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057292.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN057292.D (-3347) (-)

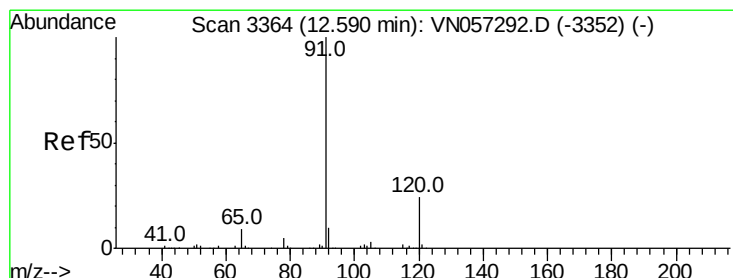
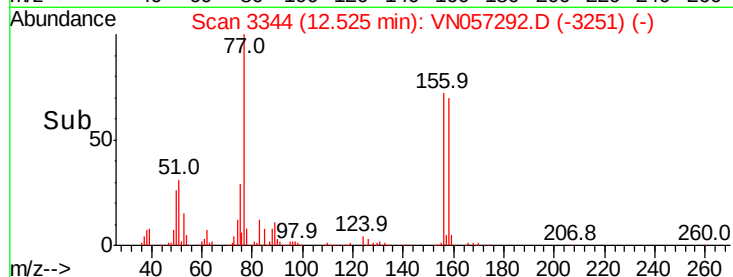
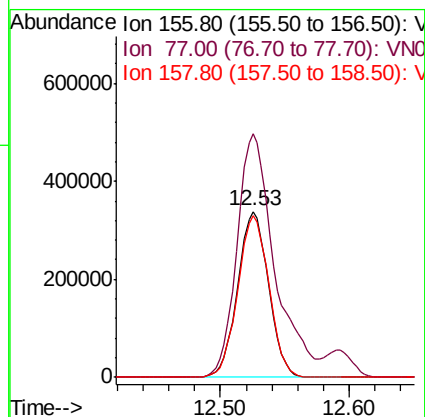
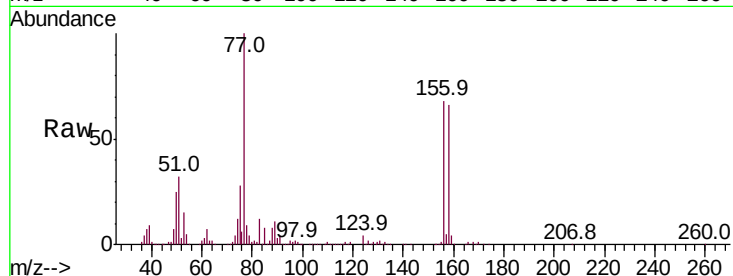




#77
Bromobenzene
Concen: 43.364 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

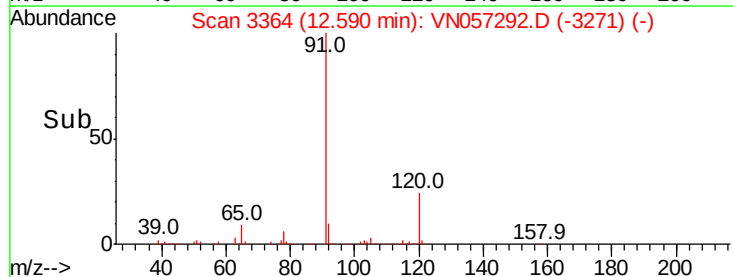
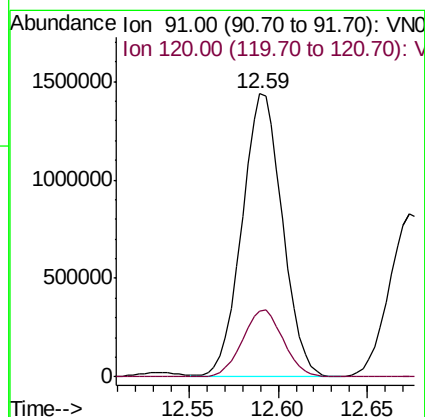
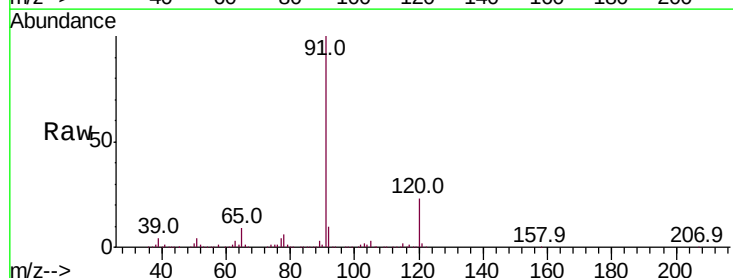
Instrument :
MSVOA_N
ClientSampleId :

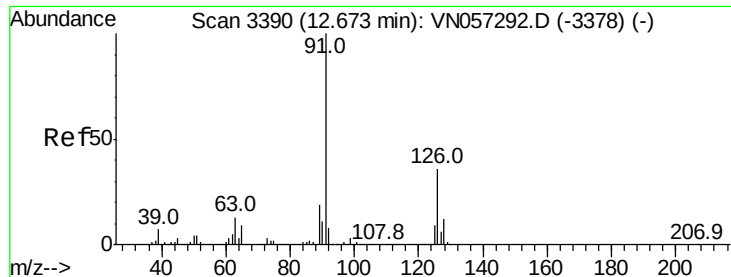
Tot Ion:156 Resp: 562874
Ion Ratio Lower Upper
156 100
77 179.7 89.8 269.6
158 98.5 49.3 147.8



#78
n-propylbenzene
Concen: 47.228 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion: 91 Resp: 2267619
Ion Ratio Lower Upper
91 100
120 23.8 11.9 35.7





#79

2-Chlorotoluene

Concen: 45.191 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

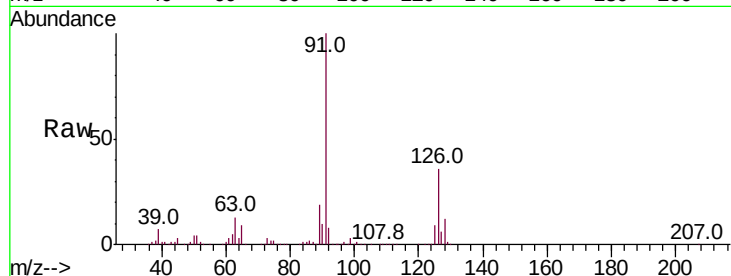
ClientSampleId :

Tot Ion: 91 Resp: 1386938

Ion Ratio Lower Upper

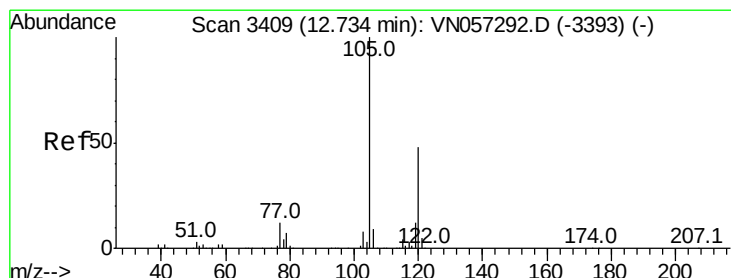
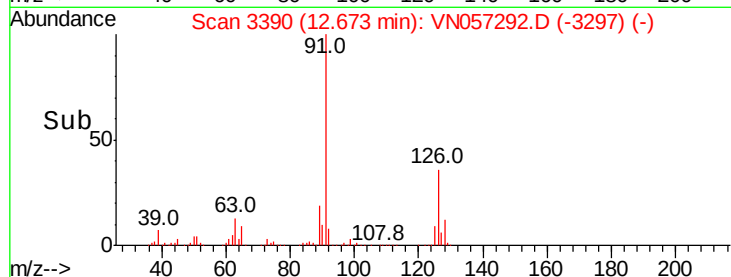
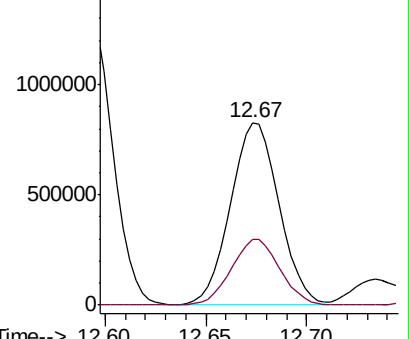
91 100

126 36.1 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057292.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.862 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057292.D

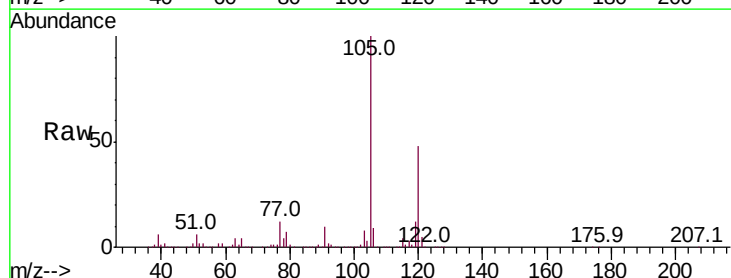
Acq: 14 Aug 2019 17:27

Tgt Ion:105 Resp: 1773377

Ion Ratio Lower Upper

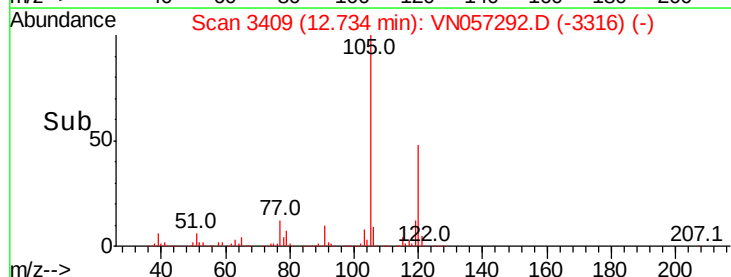
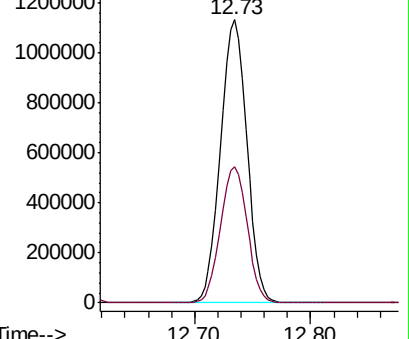
105 100

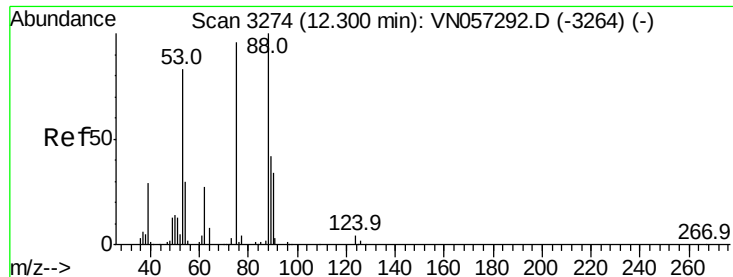
120 48.7 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057292.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057292.D (-3393) (-)

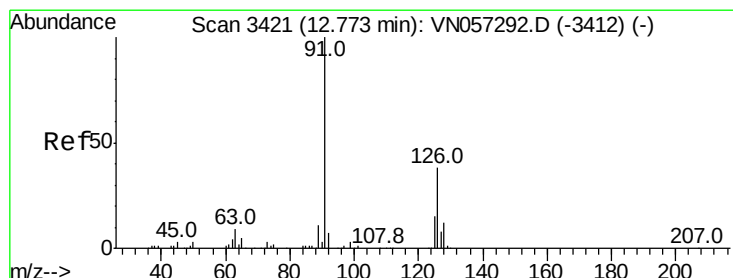
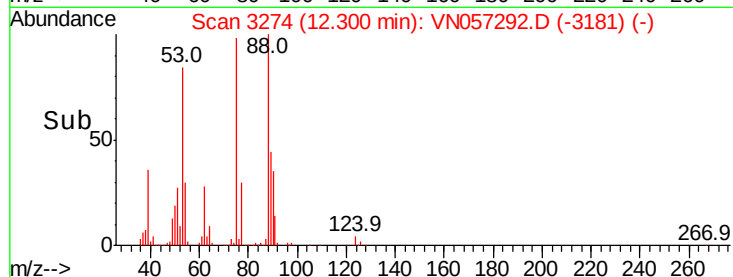
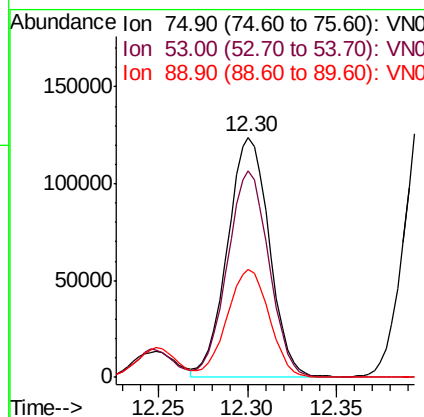
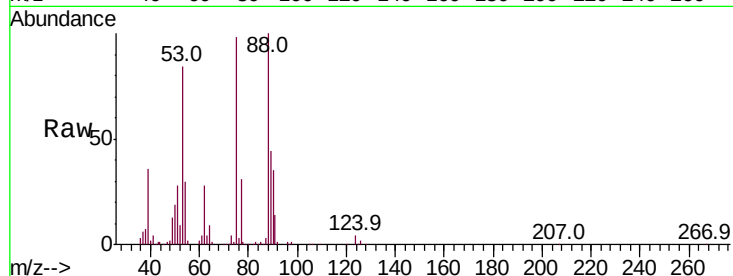




#81
trans-1,4-Dichloro-2-butene
Concen: 52.325 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

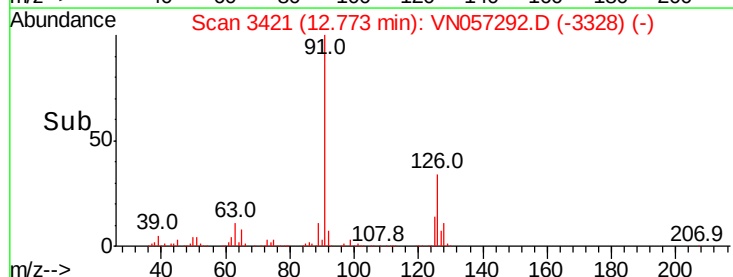
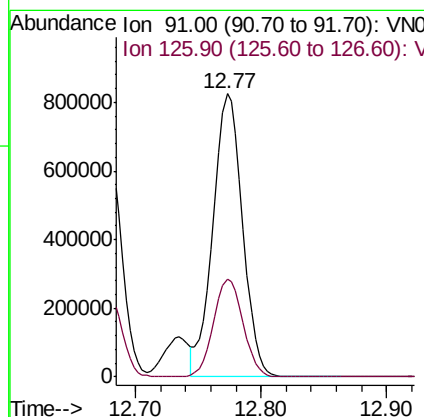
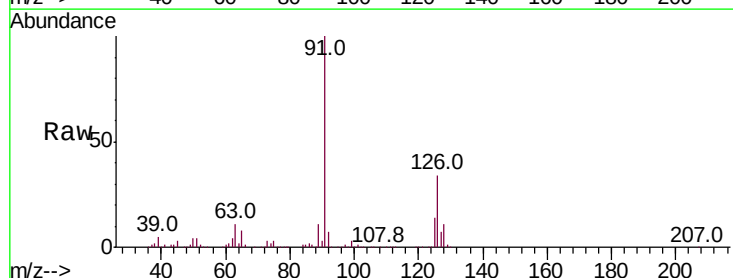
Instrument :
MSVOA_N
ClientSampleId :

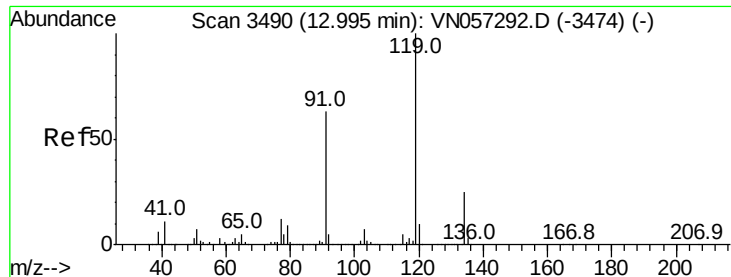
Tot Ion: 75 Resp: 202835
Ion Ratio Lower Upper
75 100
53 84.9 67.9 101.9
89 45.3 36.2 54.4



#82
4-Chlorotoluene
Concen: 47.929 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion: 91 Resp: 1346503
Ion Ratio Lower Upper
91 100
126 34.5 17.3 51.7

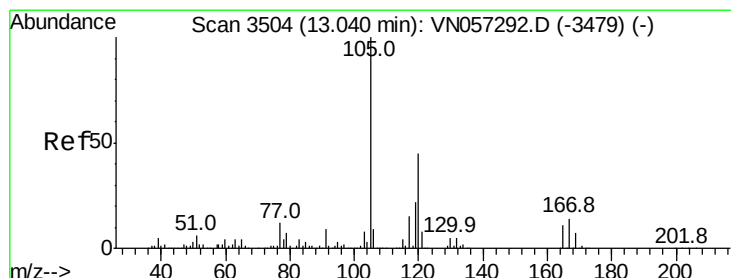
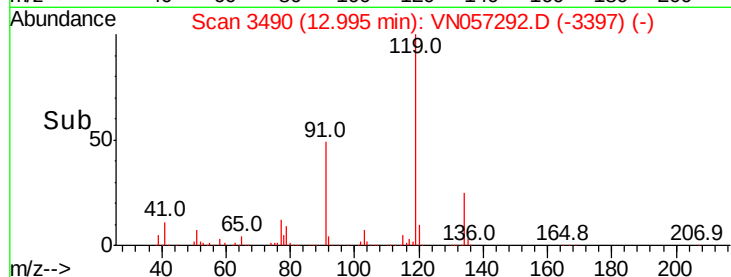
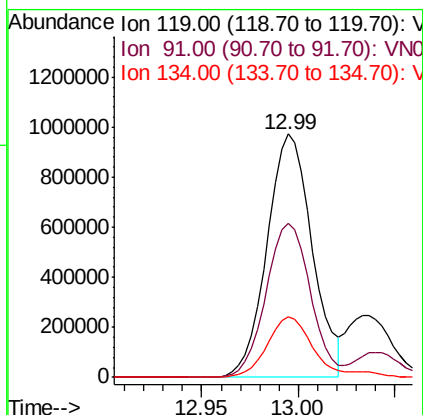
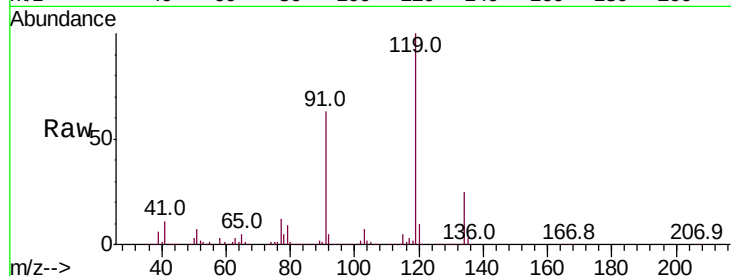




#83
 tert-Butylbenzene
 Concen: 43.700 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

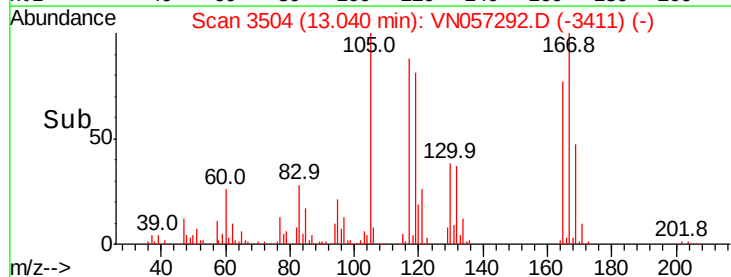
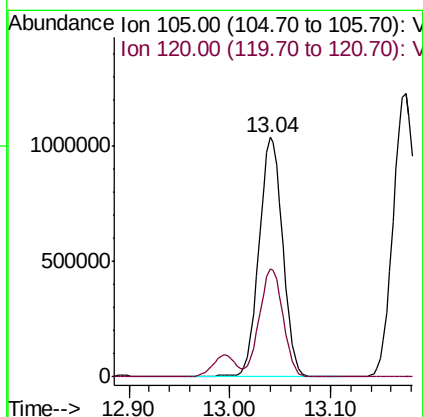
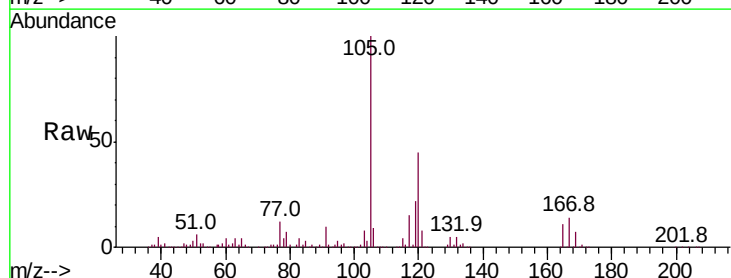
Instrument :
 MSVOA_N
 ClientSampled :

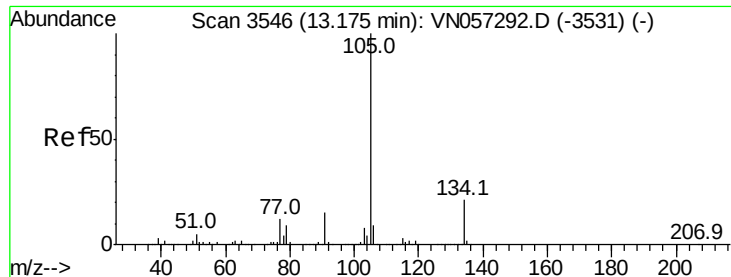
Tot Ion:119 Resp: 1577308
 Ion Ratio Lower Upper
 119 100
 91 62.5 31.3 93.8
 134 26.1 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 46.542 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion:105 Resp: 1683078
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.6 67.7





#85

sec-Butylbenzene

Concen: 45.354 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

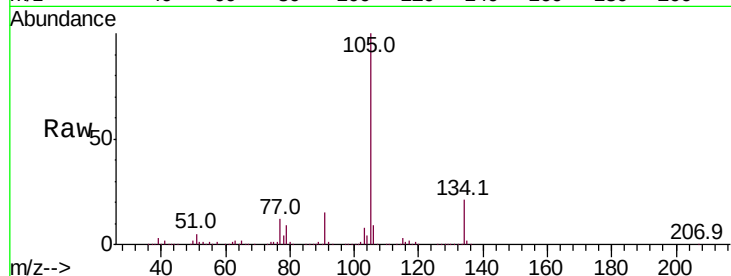
ClientSampled :

Tot Ion:105 Resp: 1960895

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

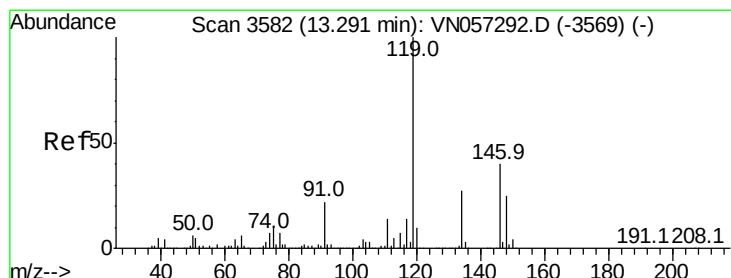
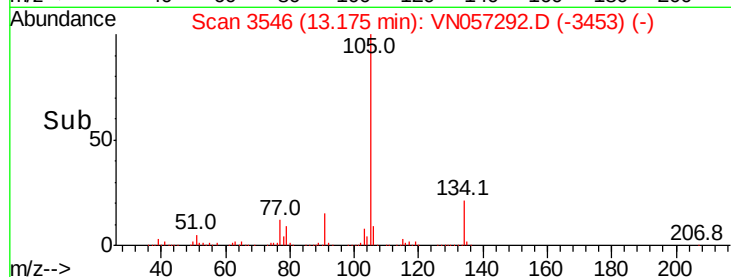
13.17

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 45.795 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

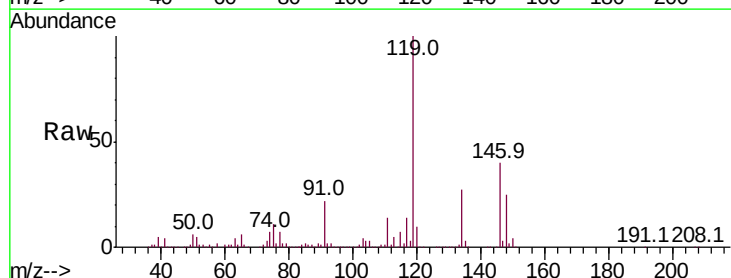
Tgt Ion:119 Resp: 1726175

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 22.3 11.2 33.5



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

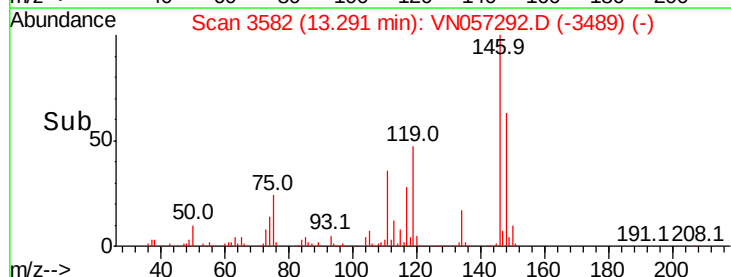
1500000

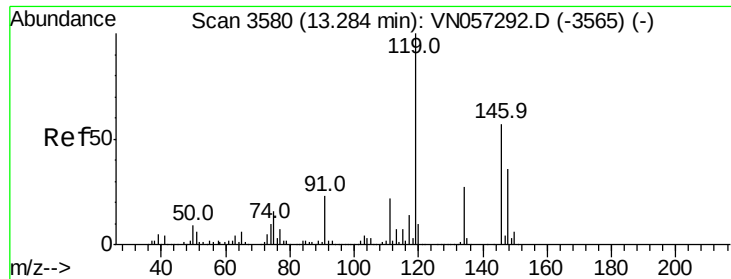
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.474 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

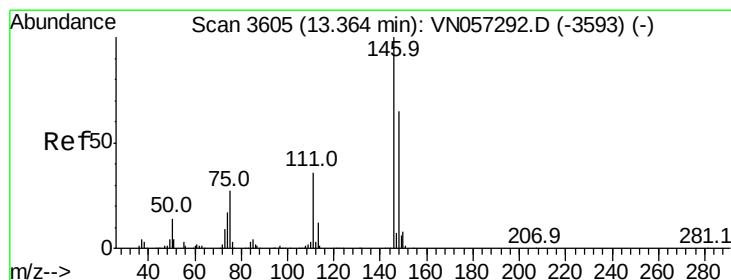
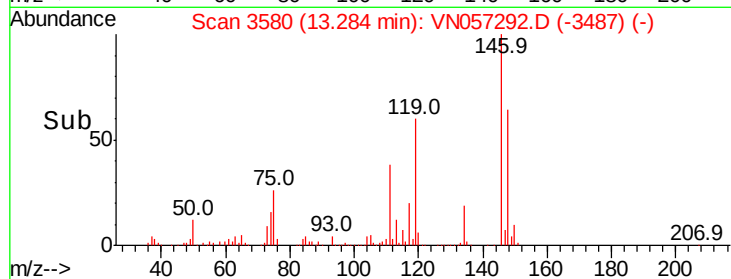
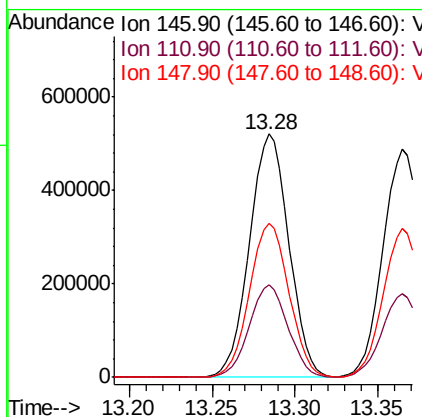
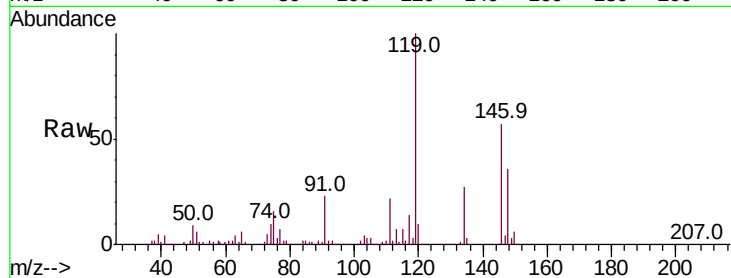
Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:146 Resp: 860737

Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	63.4	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 46.306 ug/l

RT: 13.36 min Scan# 3605

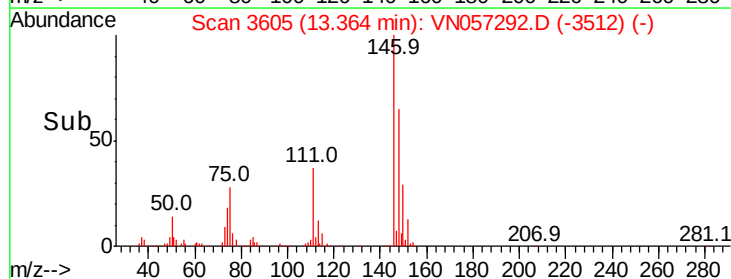
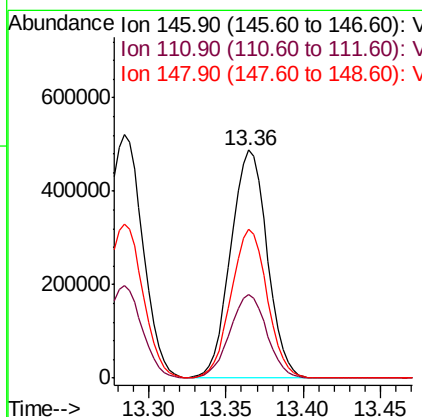
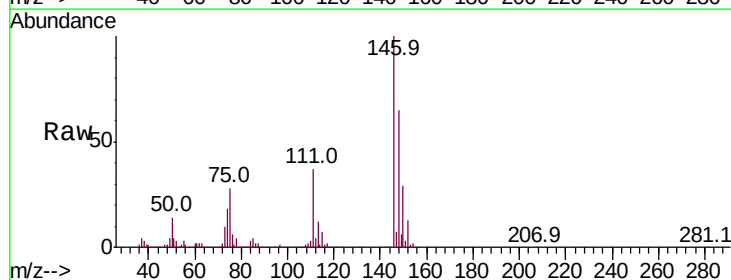
Delta R.T. 0.00 min

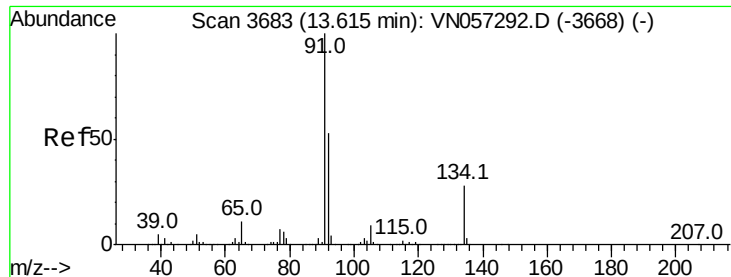
Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Tgt Ion:146 Resp: 798245

Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.4
148	64.9	32.5	97.4

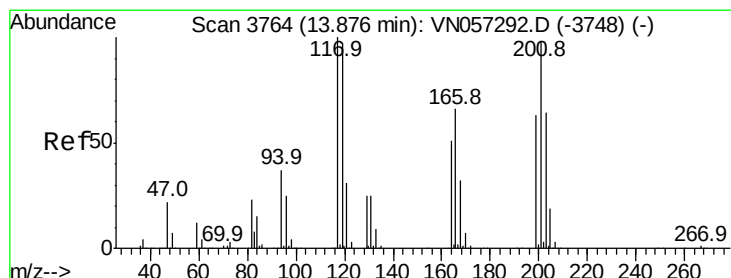
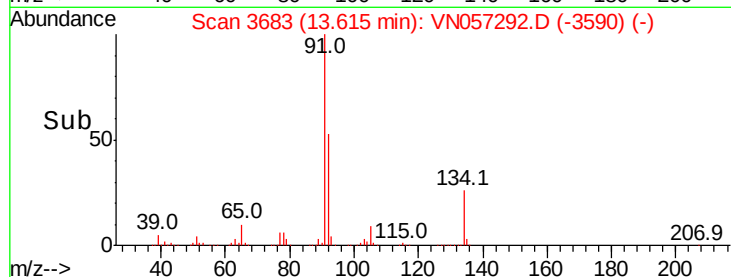
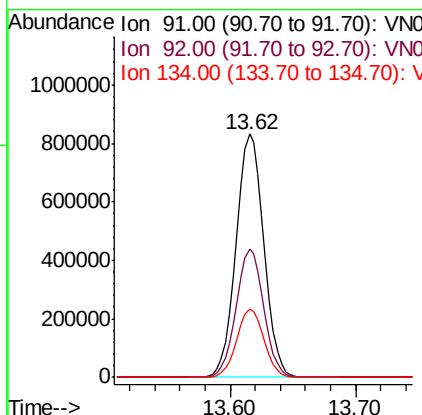
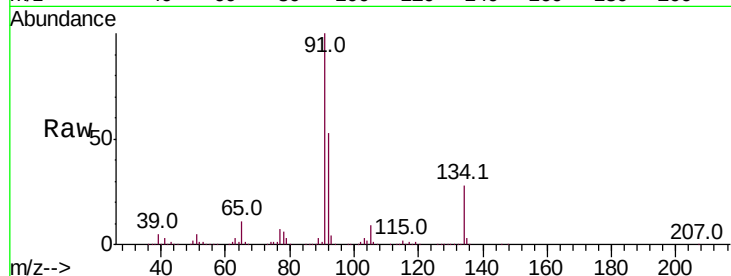




#89
n-Butylbenzene
Concen: 48.117 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

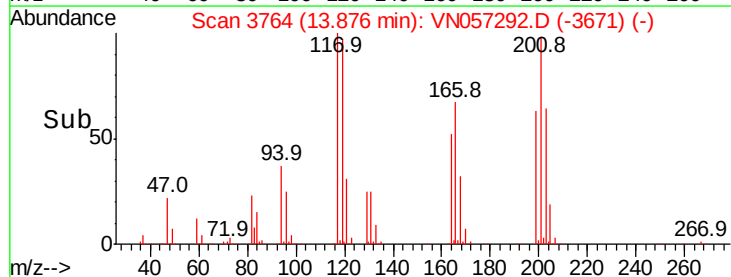
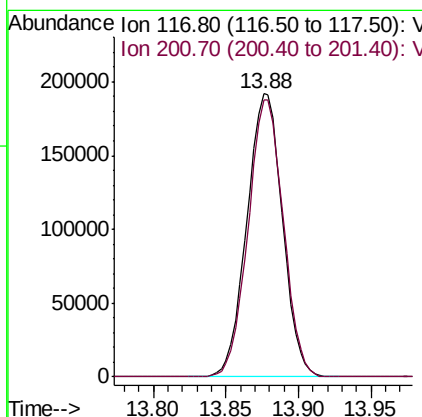
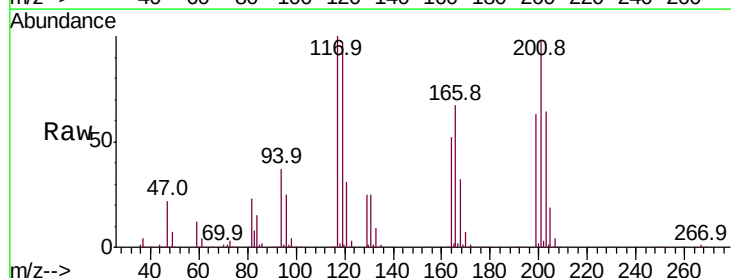
Instrument :
MSVOA_N
ClientSampled :

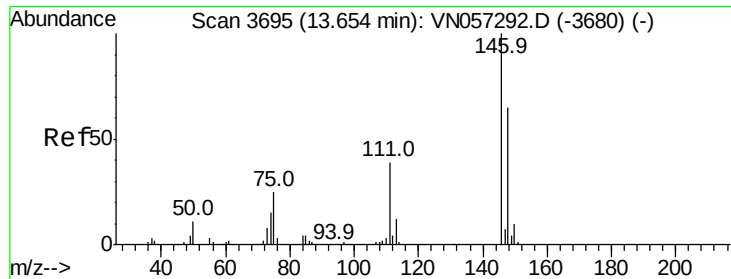
Tot Ion: 91 Resp: 1274655
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.6
134 27.8 13.9 41.7



#90
Hexachloroethane
Concen: 44.546 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057292.D
Acq: 14 Aug 2019 17:27

Tgt Ion: 117 Resp: 328128
Ion Ratio Lower Upper
117 100
201 96.7 48.4 145.0

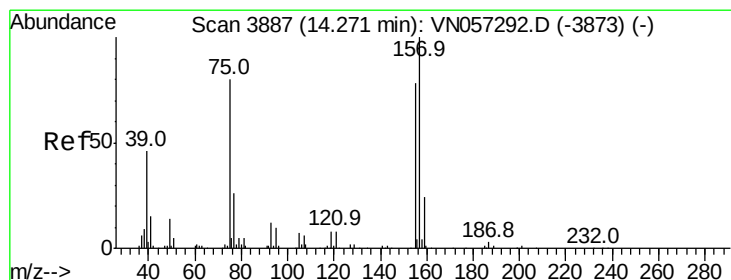
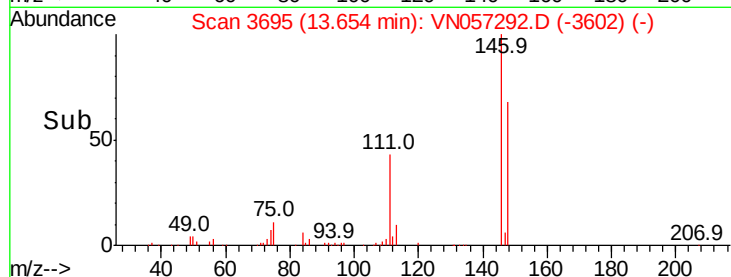
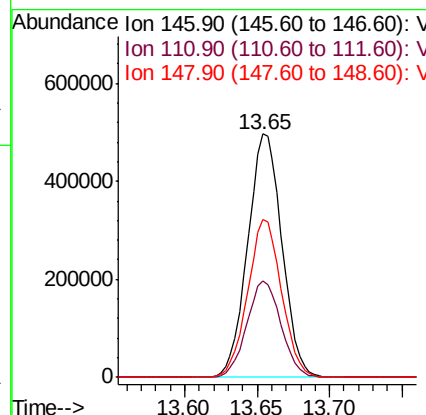
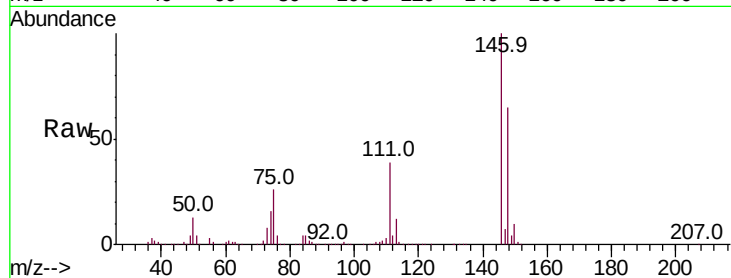




#91
 1,2-Dichlorobenzene
 Concen: 47.367 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

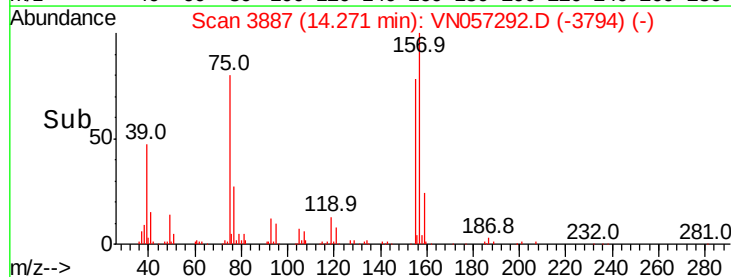
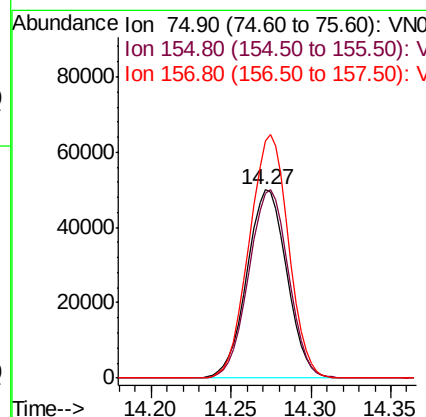
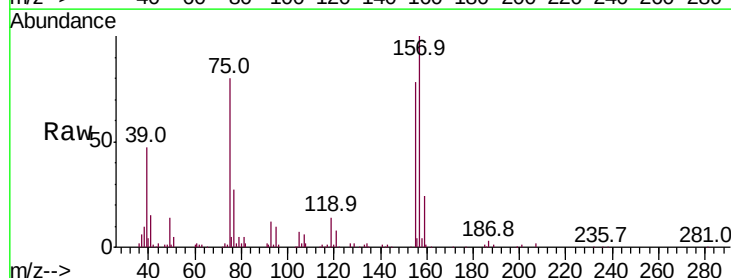
Instrument :
 MSVOA_N
 ClientSampleId :

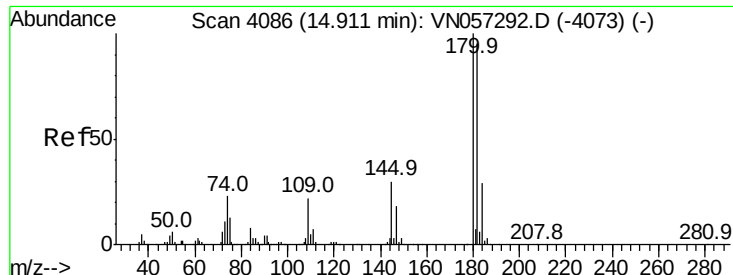
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.7	59.1
148	64.0	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.565 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.2	49.6	148.8
157	127.4	63.7	191.1

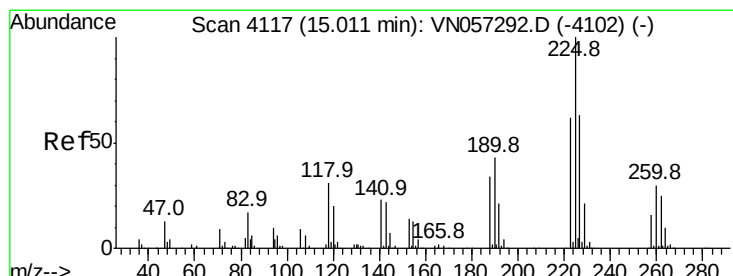
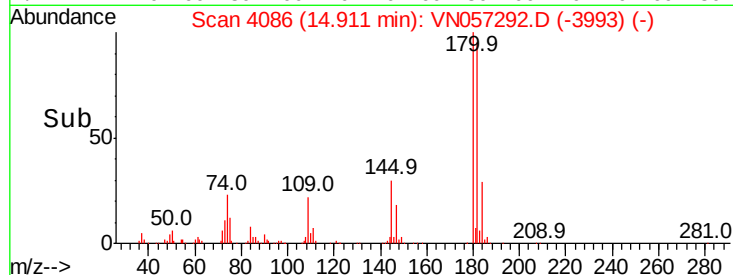
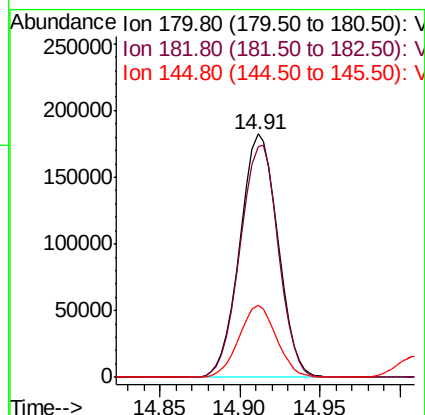
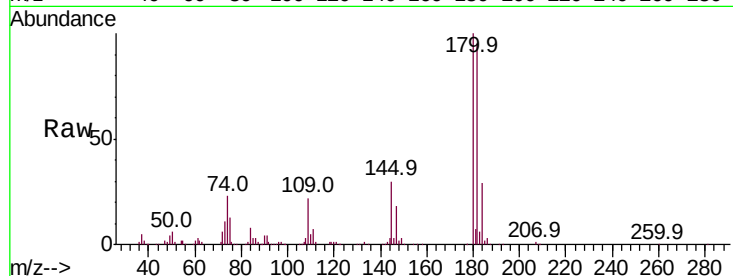




#93
 1,2,4-Trichlorobenzene
 Concen: 47.566 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

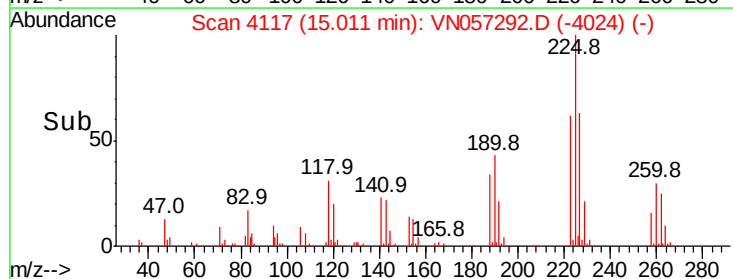
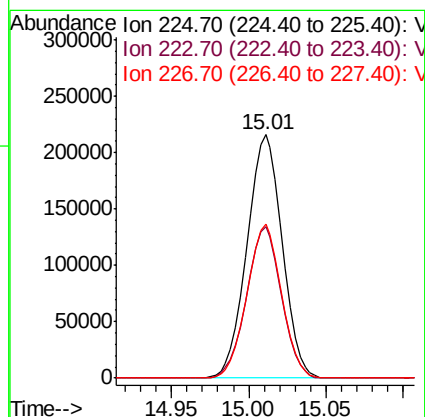
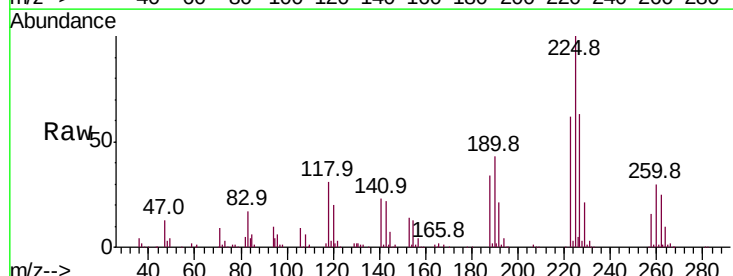
Instrument :
 MSVOA_N
 ClientSampled :

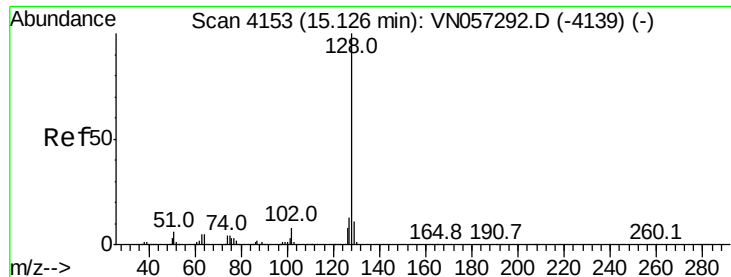
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.0	144.2
145	29.1	14.5	43.6



#94
 Hexachlorobutadiene
 Concen: 41.211 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057292.D
 Acq: 14 Aug 2019 17:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.4	30.7	92.1
227	61.8	30.9	92.7





#95

Naphthalene

Concen: 47.619 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

Instrument :

MSVOA_N

ClientSampleId :

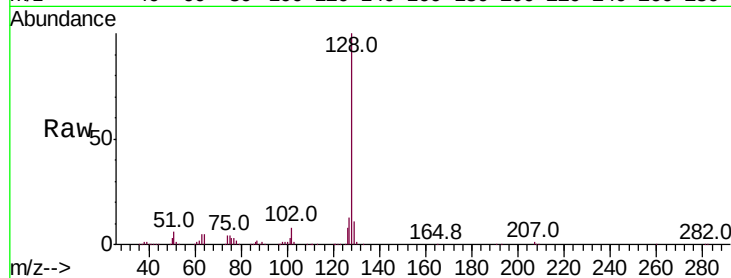
Tot Ion:128 Resp: 579644

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

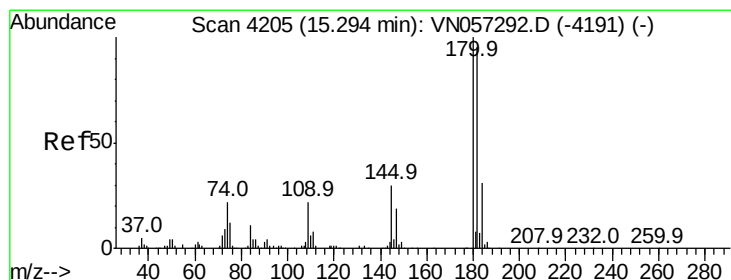
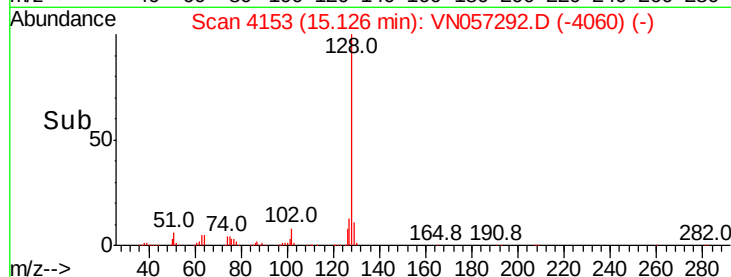
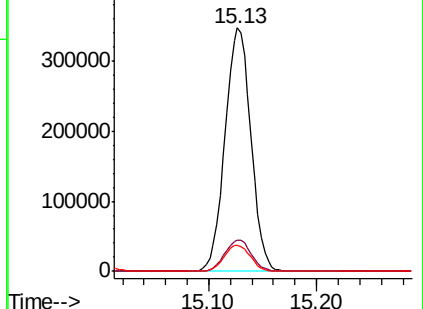
129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 42.898 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057292.D

Acq: 14 Aug 2019 17:27

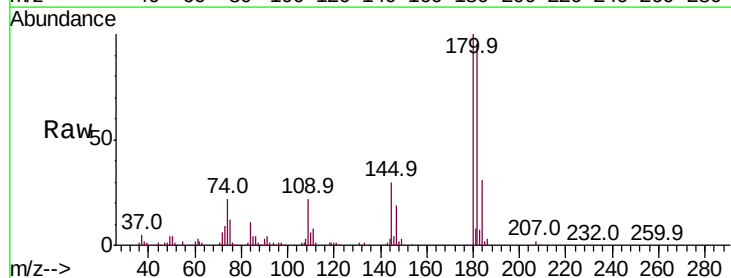
Tgt Ion:180 Resp: 269437

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.6

145 30.2 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

