

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057615.D
 Acq On : 31 Aug 2019 14:52
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 31 15:18:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:14:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	196375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	331904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	303834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	168630	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	661940	180.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	361.10%	
35) Dibromofluoromethane	7.58	113	429058	179.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	358.06%	
50) Toluene-d8	10.08	98	1645239	181.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	363.06%	
62) 4-Bromofluorobenzene	12.40	95	663446	211.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	423.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	512446	207.493	ug/l	98
3) Chloromethane	2.05	50	545765	159.736	ug/l	96
4) Vinyl Chloride	2.18	62	435579	112.822	ug/l	99
5) Bromomethane	2.51	94	278314	117.607	ug/l	100
6) Chloroethane	2.65	64	237301	96.392	ug/l	100
7) Trichlorofluoromethane	2.99	101	611691	102.436	ug/l	99
8) Diethyl Ether	3.39	74	194429	87.259	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	298258	90.841	ug/l	99
10) Methyl Iodide	3.92	142	398312	152.788	ug/l	99
11) Tert butyl alcohol	4.83	59	381392	861.647	ug/l #	88
12) 1,1-Dichloroethene	3.71	96	278953	88.919	ug/l	95
13) Acrolein	3.59	56	130124	384.239	ug/l	97
14) Allyl chloride	4.29	41	888099	175.132	ug/l	98
15) Acrylonitrile	4.98	53	1066345	879.357	ug/l	100
16) Acetone	3.81	43	854492	523.751	ug/l	96
17) Carbon Disulfide	4.02	76	1012101	157.628	ug/l	99
18) Methyl Acetate	4.31	43	602418	142.528	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	1473076	174.391	ug/l	99
20) Methylene Chloride	4.52	84	469112	171.708	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	418548	169.483	ug/l	99
22) Diisopropyl ether	5.94	45	1781713	177.922	ug/l	98
23) Vinyl Acetate	5.88	43	6646151	843.236	ug/l #	93
24) 1,1-Dichloroethane	5.82	63	924690	175.838	ug/l	99
25) 2-Butanone	6.83	43	1581735	870.345	ug/l	98
26) 2,2-Dichloropropane	6.80	77	763472	169.434	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	493842	169.278	ug/l	98
28) Bromochloromethane	7.18	49	448401	161.804	ug/l	98
29) Tetrahydrofuran	7.20	42	991599	839.764	ug/l	99
30) Chloroform	7.36	83	921808	168.763	ug/l	98
31) Cyclohexane	7.63	56	854573	167.584	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	797576	178.033	ug/l	99
36) 1,1-Dichloropropene	7.78	75	667066	184.152	ug/l	99
37) Ethyl Acetate	6.92	43	657233	184.754	ug/l	99
38) Carbon Tetrachloride	7.76	117	654174	185.847	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	797983	186.007	ug/l	98
40) Benzene	8.03	78	1935023	179.246	ug/l	98
41) Methacrylonitrile	7.16	41	365025	211.417	ug/l	94
42) 1,2-Dichloroethane	8.11	62	812194	192.580	ug/l	100
43) Isopropyl Acetate	8.16	43	1209975	185.763	ug/l	99
44) Trichloroethene	8.82	130	449164	187.095	ug/l	96
45) 1,2-Dichloropropane	9.11	63	528816	174.006	ug/l	99
46) Dibromomethane	9.20	93	336196	174.231	ug/l	99
47) Bromodichloromethane	9.40	83	739543	184.909	ug/l	100
48) Methyl methacrylate	9.19	41	602687	192.466	ug/l	99
49) 1,4-Dioxane	9.20	88	144139	3650.735	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	3147083	857.999	ug/l	95
52) Toluene	10.15	92	1170661	187.190	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	787143	188.849	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	844118	181.507	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	447104	178.091	ug/l	97
56) Ethyl methacrylate	10.43	69	768542	193.873	ug/l	99
57) 1,3-Dichloropropane	10.71	76	809981	184.249	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1180088	1226.360	ug/l	99
59) 2-Hexanone	10.75	43	2436351	963.046	ug/l	100
60) Dibromochloromethane	10.90	129	495558	189.331	ug/l	100
61) 1,2-Dibromoethane	11.00	107	461858	188.047	ug/l	99
64) Tetrachloroethene	10.63	164	396139	175.850	ug/l	98
65) Chlorobenzene	11.43	112	1182612	182.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	432075	176.919	ug/l	97
67) Ethyl Benzene	11.51	91	2254014	179.034	ug/l	96
68) m/p-Xylenes	11.62	106	1643527	383.996	ug/l	89
69) o-Xylene	11.95	106	799073	189.203	ug/l	99
70) Styrene	11.96	104	1412084	209.517	ug/l	99
71) Bromoform	12.13	173	328846	201.446	ug/l #	99
73) Isopropylbenzene	12.25	105	2200948	113.924	ug/l	100
74) N-amyl acetate	12.07	43	1126613	127.007	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	648267	114.356	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	876534	197.876	ug/l #	100
77) Bromobenzene	12.53	156	501083	129.599	ug/l	99
78) n-propylbenzene	12.59	91	2543101	123.754	ug/l	98
79) 2-Chlorotoluene	12.67	91	1610304	130.718	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1925124	126.082	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	209159	127.046	ug/l	90
82) 4-Chlorotoluene	12.77	91	1668322	141.960	ug/l	99
83) tert-Butylbenzene	12.99	119	1611157	118.916	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1882751	139.128	ug/l	98
85) sec-Butylbenzene	13.17	105	2188921	131.482	ug/l	99
86) p-Isopropyltoluene	13.29	119	1917059	141.328	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	899015	159.232	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	893677	162.754	ug/l	98
89) n-Butylbenzene	13.62	91	1794552	155.685	ug/l	99
90) Hexachloroethane	13.88	117	358987	118.012	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	876888	162.479	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	129229	142.767	ug/l	97

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Quant Title : SW846 8260
QLast Update : Sat Aug 31 15:14:23 2019
Response via : Initial Calibration

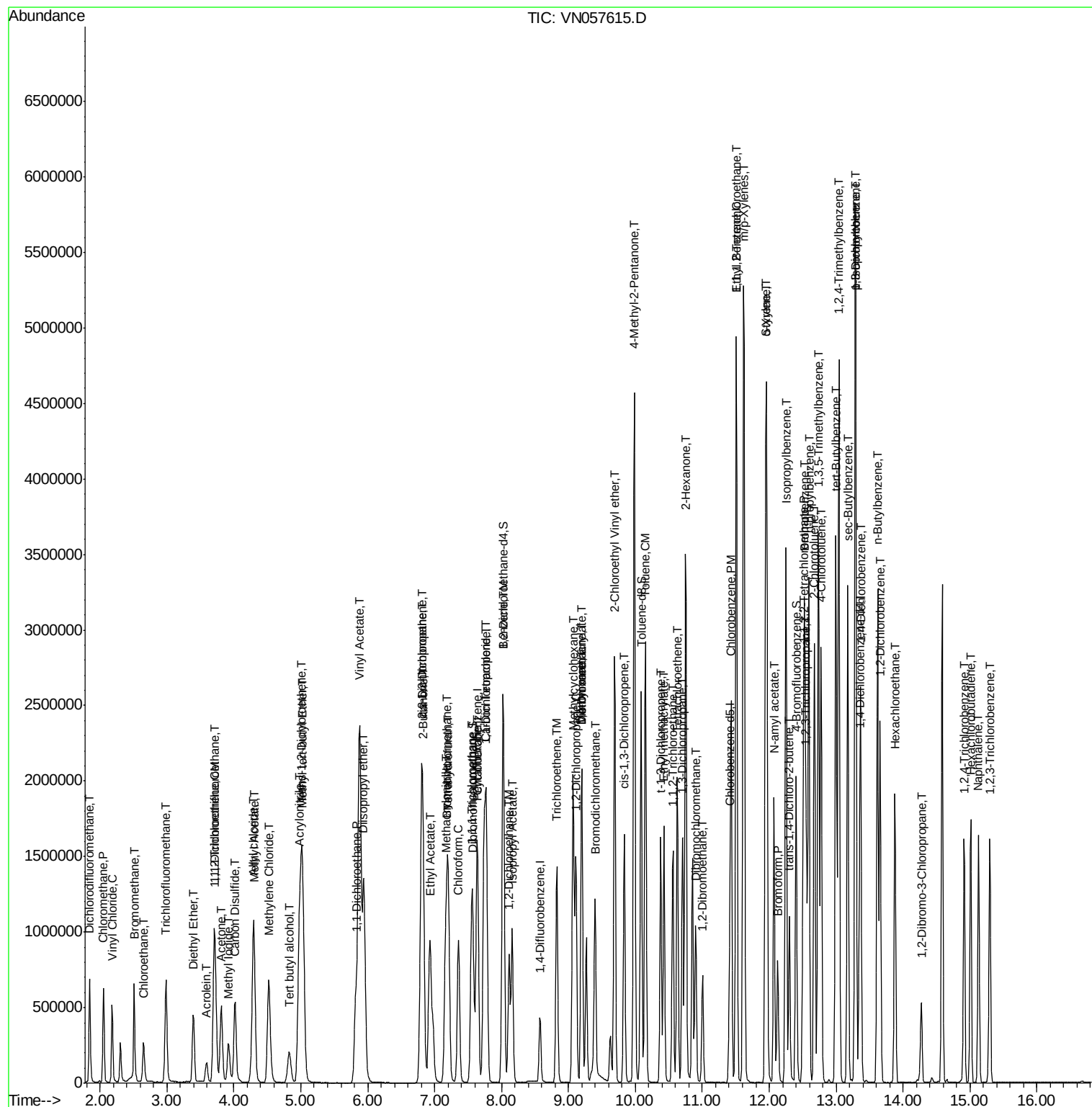
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	427511	216.532	ug/l	99
94) Hexachlorobutadiene	15.01	225	278866	162.718	ug/l	99
95) Naphthalene	15.13	128	1226245	189.502	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	423463	204.332	ug/l	97

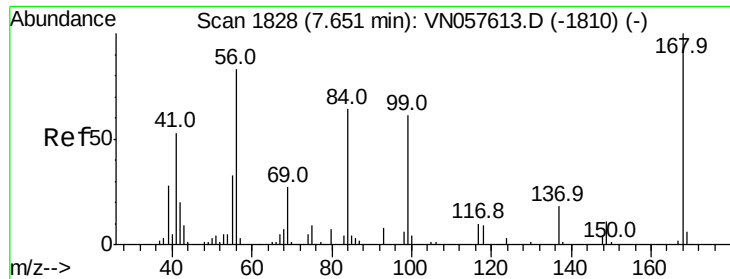
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057615.D
 Acq On : 31 Aug 2019 14:52
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

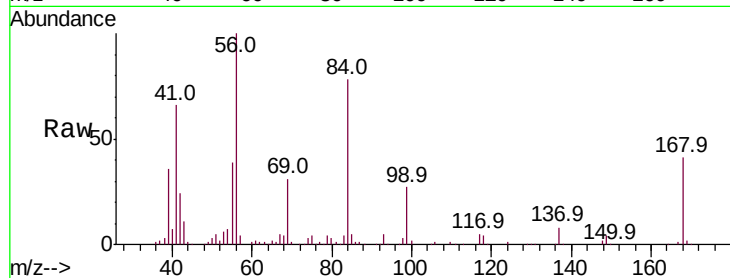
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 196375

Ion Ratio Lower Upper

168 100

99 64.8 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

200000

150000

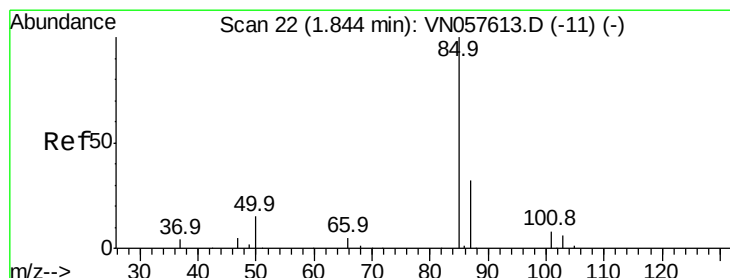
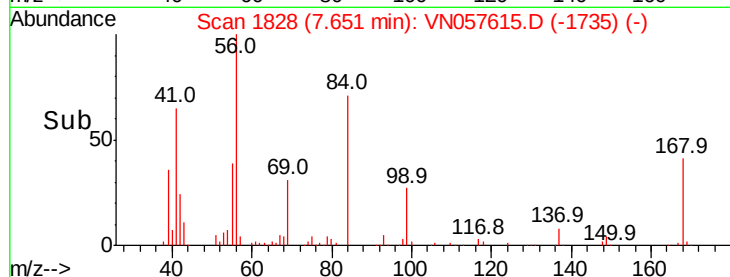
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 207.493 ug/l

RT: 1.84 min Scan# 22

Delta R.T. 0.00 min

Lab File: VN057615.D

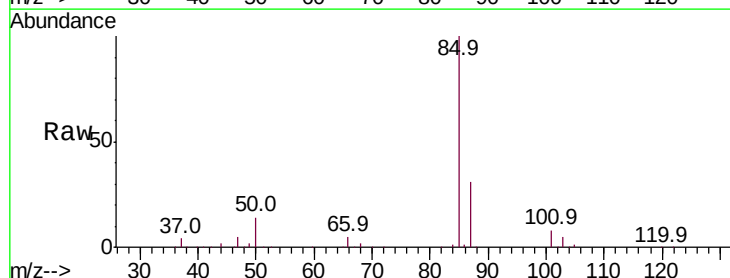
Acq: 31 Aug 2019 14:52

Tgt Ion: 85 Resp: 512446

Ion Ratio Lower Upper

85 100

87 31.4 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

400000

300000

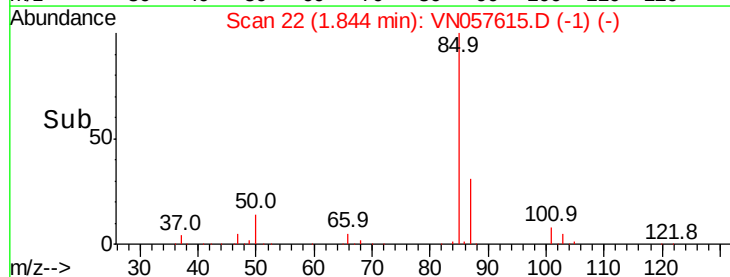
200000

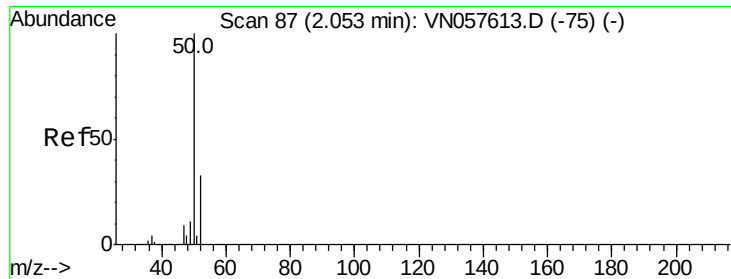
100000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 159.736 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

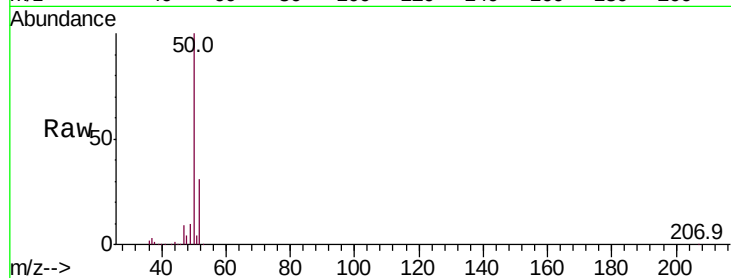
ClientSampled :

Tot Ion: 50 Resp: 545765

Ion Ratio Lower Upper

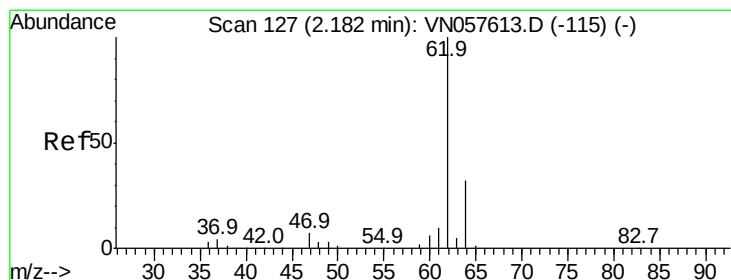
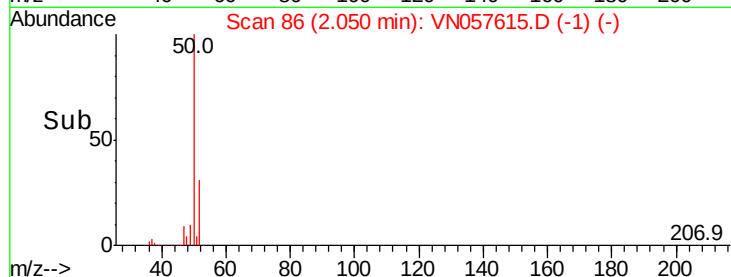
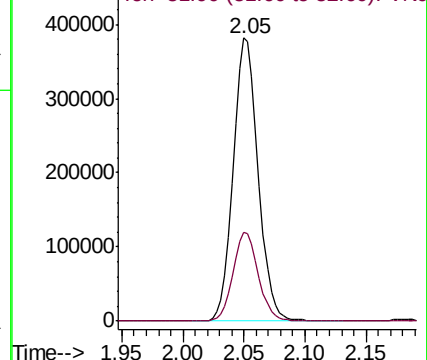
50 100

52 31.2 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 112.822 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057615.D

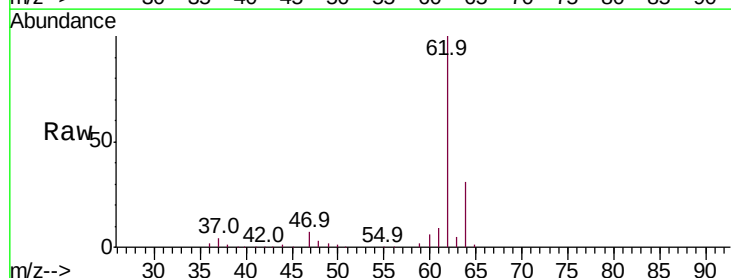
Acq: 31 Aug 2019 14:52

Tgt Ion: 62 Resp: 435579

Ion Ratio Lower Upper

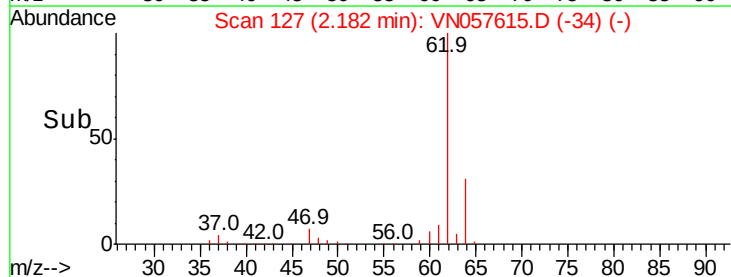
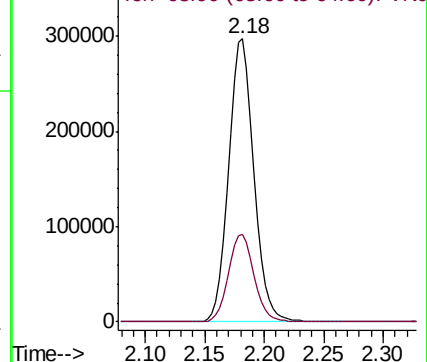
62 100

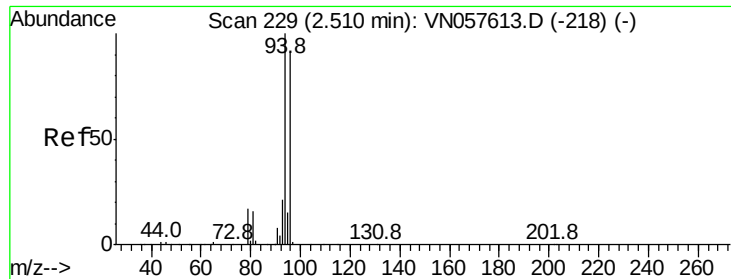
64 31.0 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 117.607 ug/l

RT: 2.51 min Scan# 229

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

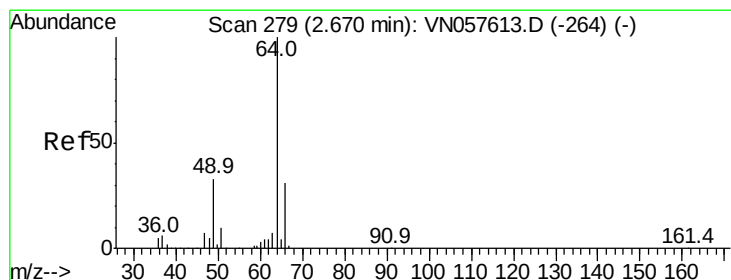
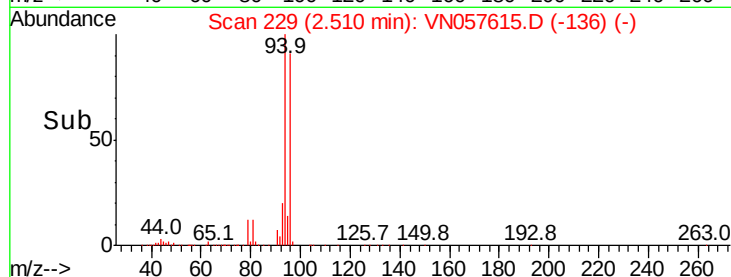
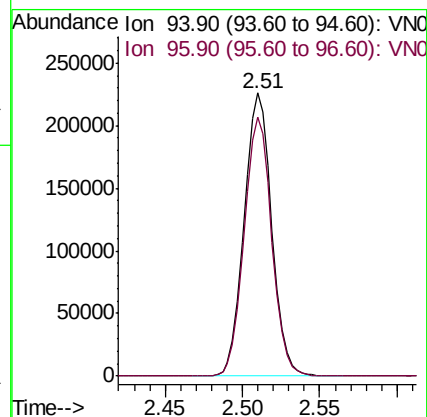
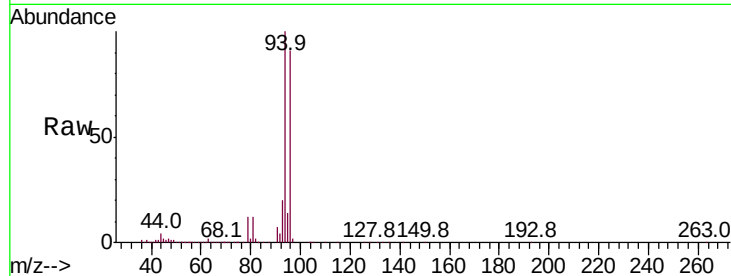
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 278314

Ion Ratio Lower Upper

94 100

96 91.4 72.9 109.3



#6

Chloroethane

Concen: 96.392 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.02 min

Lab File: VN057615.D

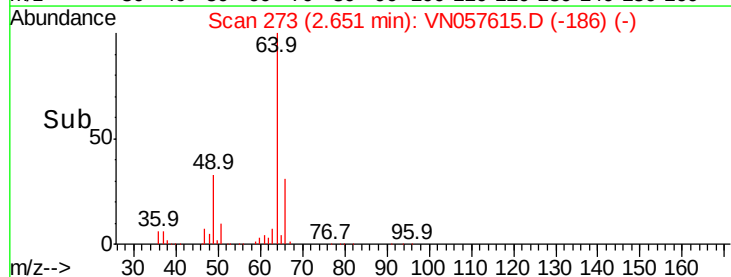
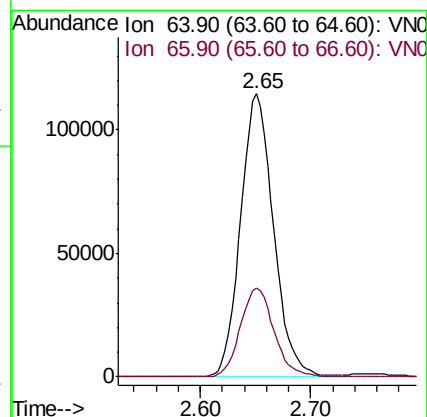
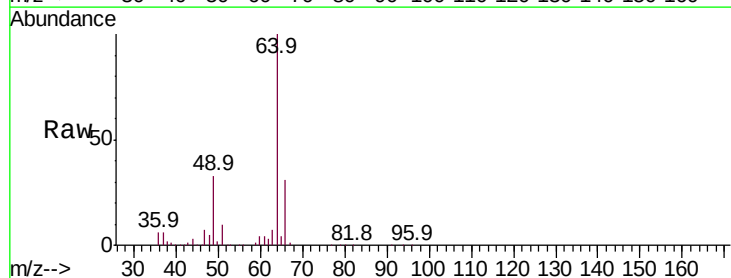
Acq: 31 Aug 2019 14:52

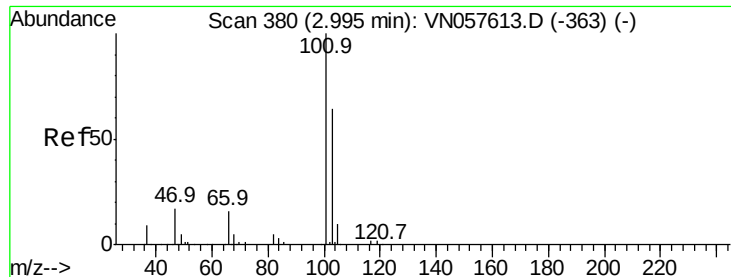
Tgt Ion: 64 Resp: 237301

Ion Ratio Lower Upper

64 100

66 31.1 24.7 37.1



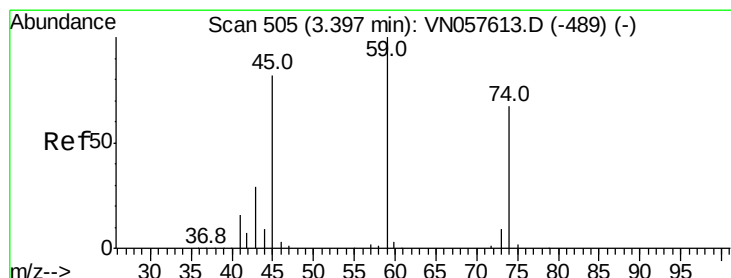
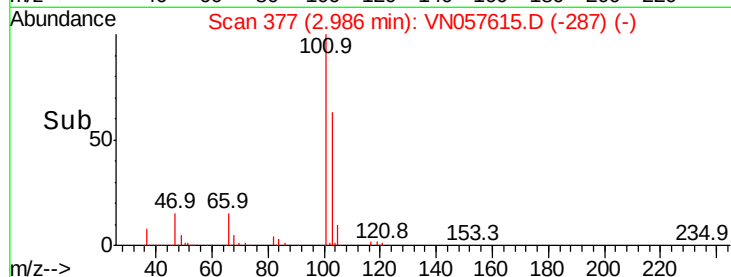
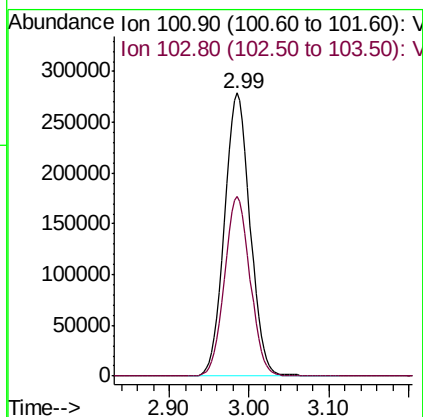
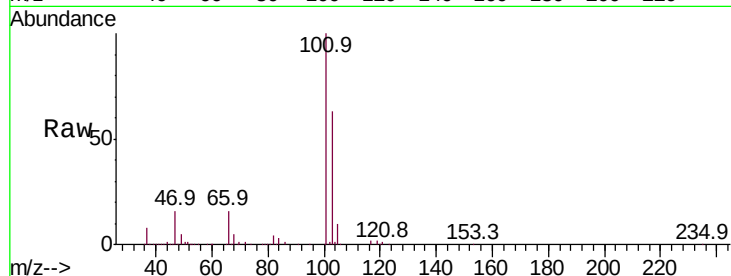


#7

Trichlorofluoromethane
Concen: 102.436 ug/l
RT: 2.99 min Scan# 377
Delta R.T. -0.01 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

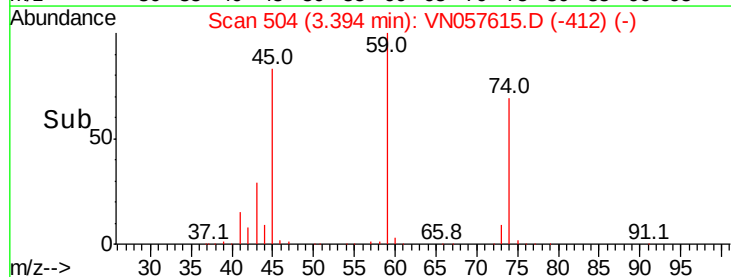
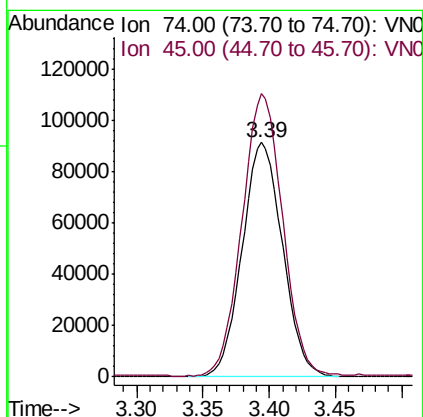
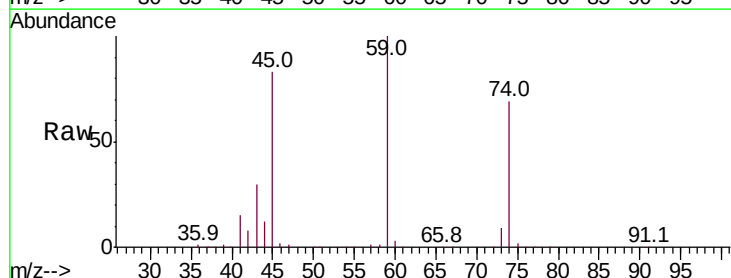
Tot Ion:101 Resp: 611691
Ion Ratio Lower Upper
101 100
103 63.5 51.3 76.9

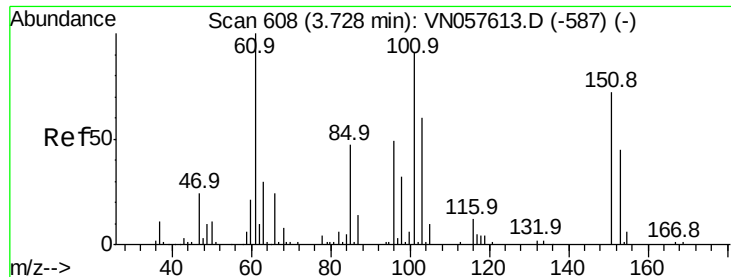


#8

Diethyl Ether
Concen: 87.259 ug/l
RT: 3.39 min Scan# 504
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion: 74 Resp: 194429
Ion Ratio Lower Upper
74 100
45 121.0 61.9 185.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.841 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

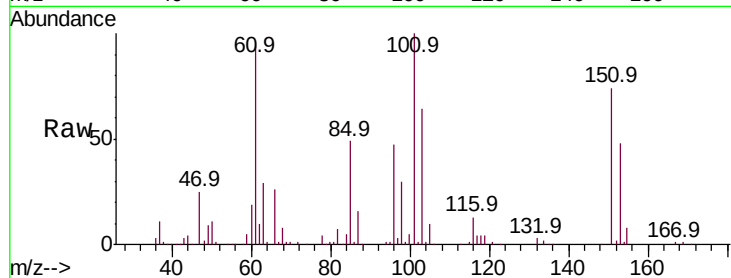
Tot Ion:101 Resp: 298258

Ion Ratio Lower Upper

101 100

85 50.7 42.1 63.1

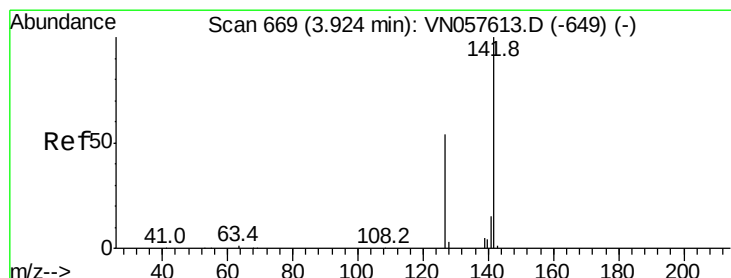
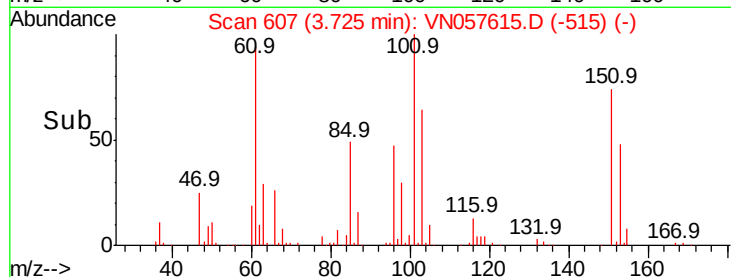
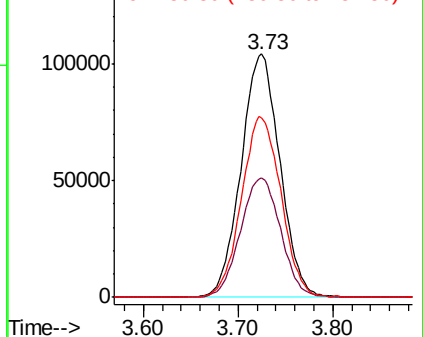
151 75.3 60.2 90.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 152.788 ug/l

RT: 3.92 min Scan# 667

Delta R.T. -0.01 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

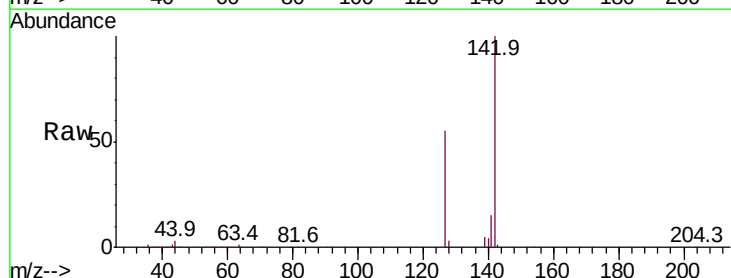
Tgt Ion:142 Resp: 398312

Ion Ratio Lower Upper

142 100

127 52.6 43.0 64.6

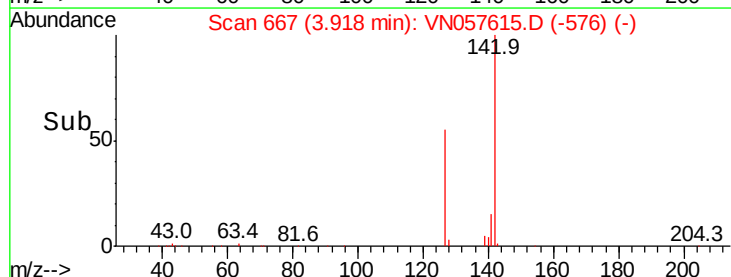
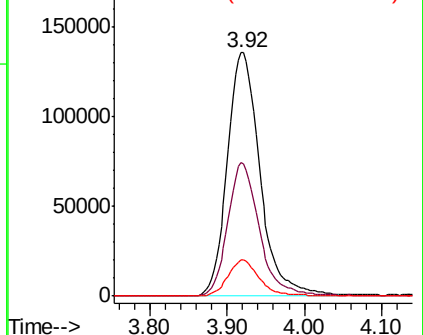
141 13.9 11.4 17.2

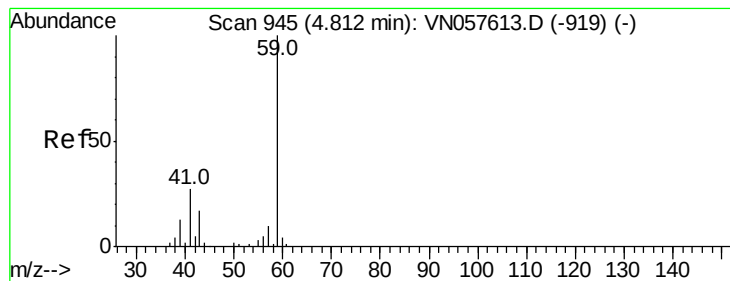


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



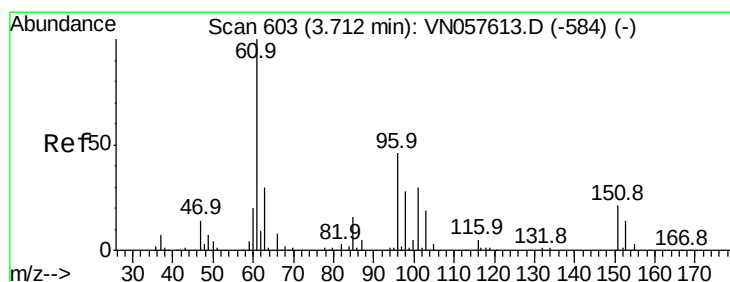
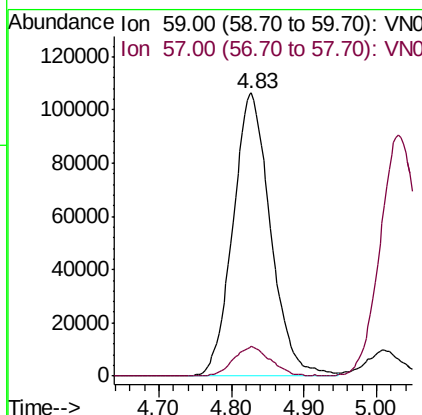
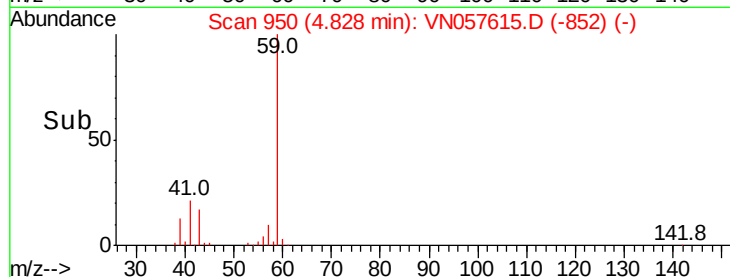
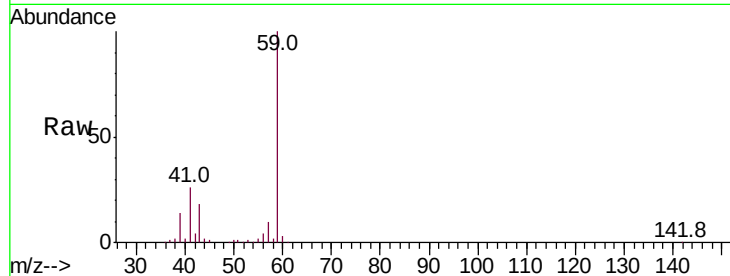


#11

Tert butyl alcohol
Concen: 861.647 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.02 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

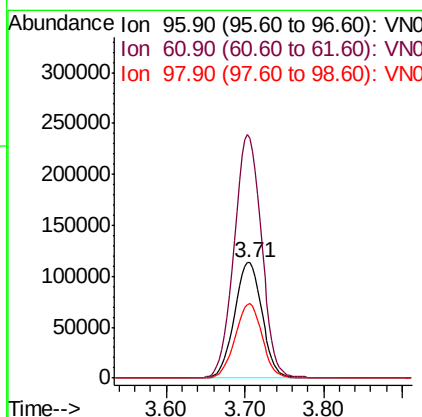
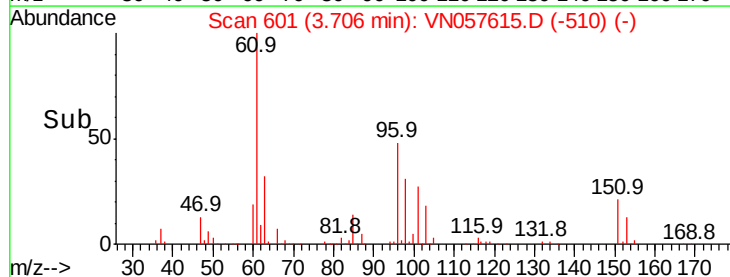
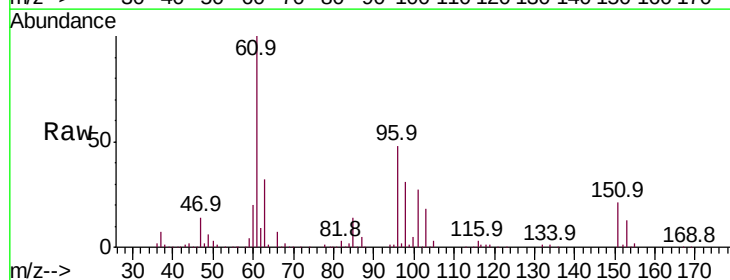
Tot Ion: 59 Resp: 381392
Ion Ratio Lower Upper
59 100
57 10.4 5.0 7.6#

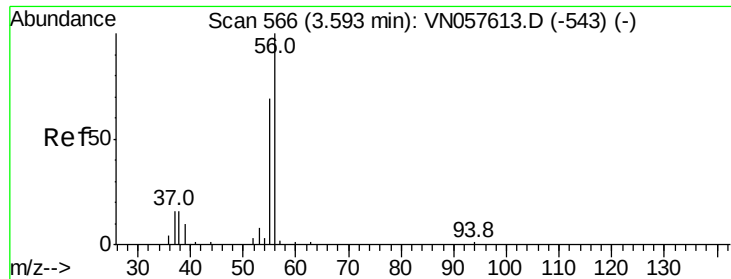


#12

1,1-Dichloroethene
Concen: 88.919 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.01 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion: 96 Resp: 278953
Ion Ratio Lower Upper
96 100
61 207.4 172.1 258.1
98 64.4 48.3 72.5





#13

Acrolein

Concen: 384.239 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

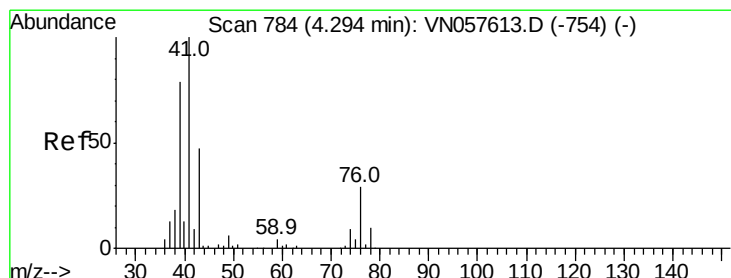
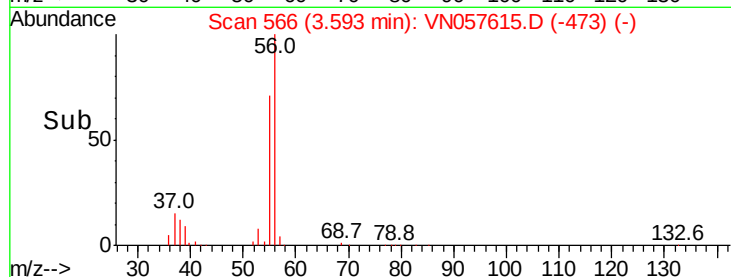
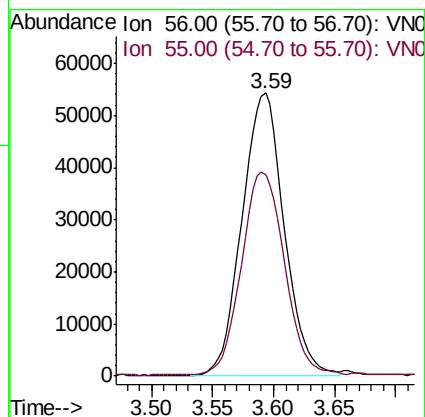
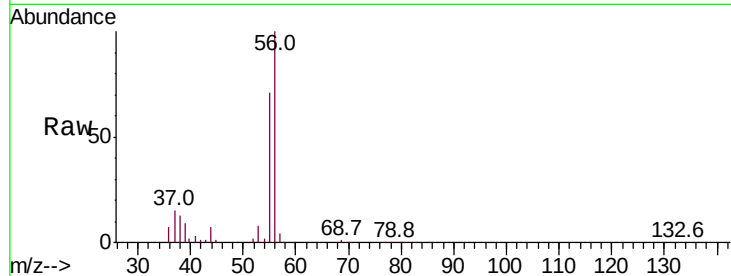
ClientSampleId :

Tot Ion: 56 Resp: 130124

Ion Ratio Lower Upper

56 100

55 72.8 56.5 84.7



#14

Allyl chloride

Concen: 175.132 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

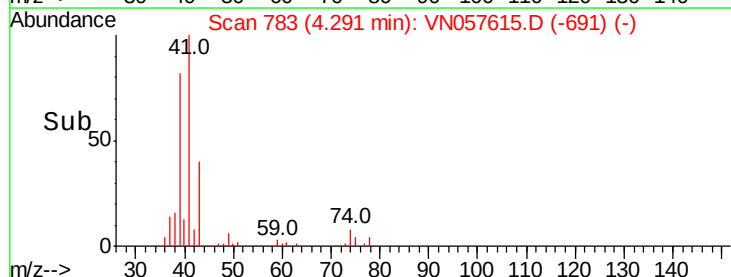
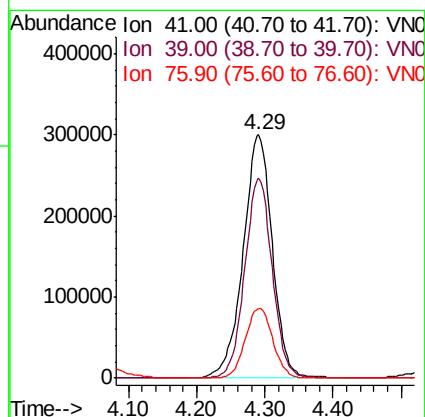
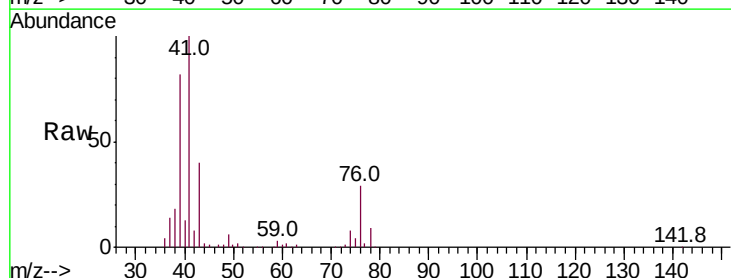
Tgt Ion: 41 Resp: 888099

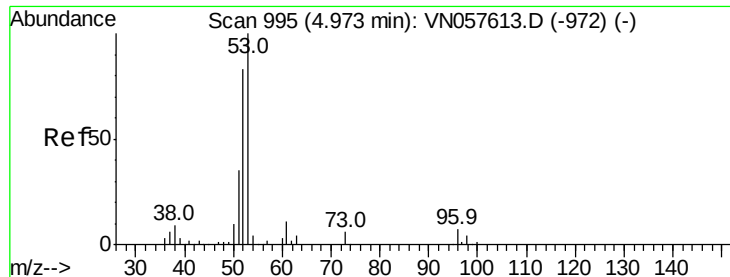
Ion Ratio Lower Upper

41 100

39 77.8 60.9 91.3

76 26.9 21.1 31.7





#15

Acrylonitrile

Concen: 879.357 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

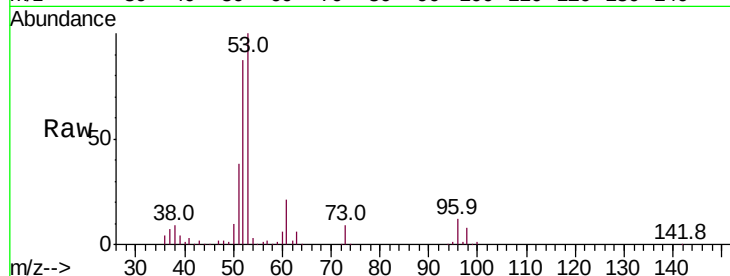
Tot Ion: 53 Resp: 1066345

Ion Ratio Lower Upper

53 100

52 84.1 67.1 100.7

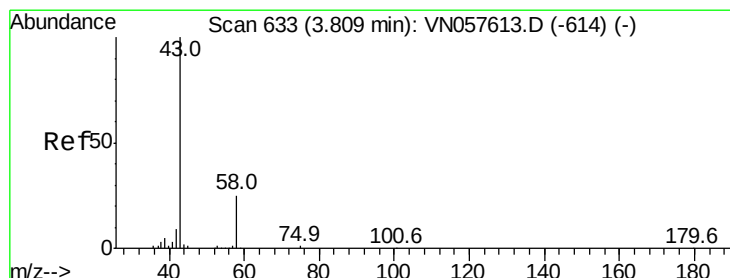
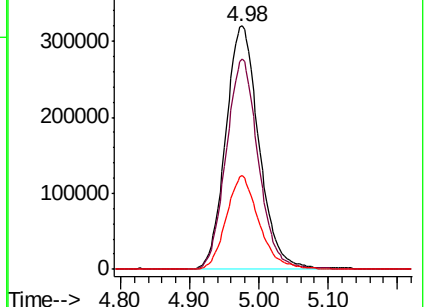
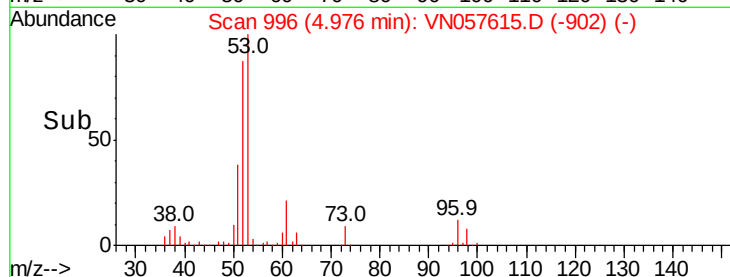
51 38.3 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VN057615.D (-902) (-)

Ion 52.00 (51.70 to 52.70): VN057615.D (-902) (-)

Ion 51.00 (50.70 to 51.70): VN057615.D (-902) (-)



#16

Acetone

Concen: 523.751 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN057615.D

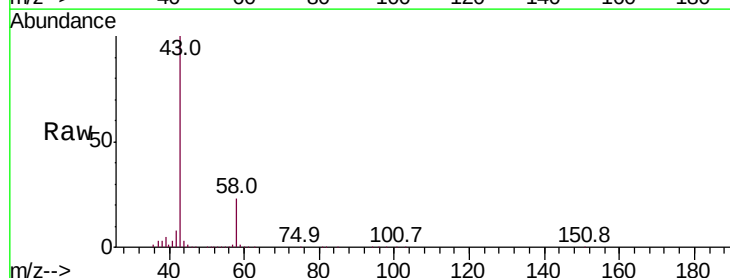
Acq: 31 Aug 2019 14:52

Tgt Ion: 43 Resp: 854492

Ion Ratio Lower Upper

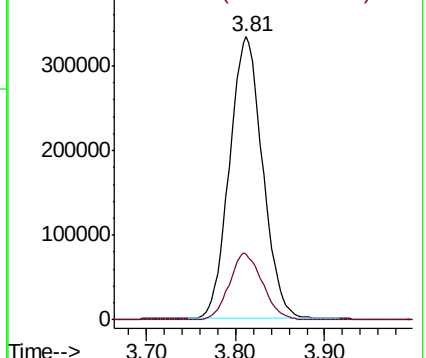
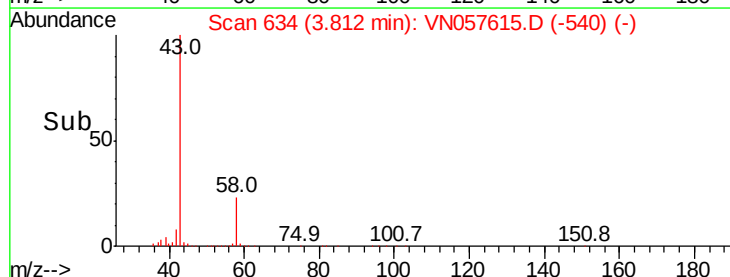
43 100

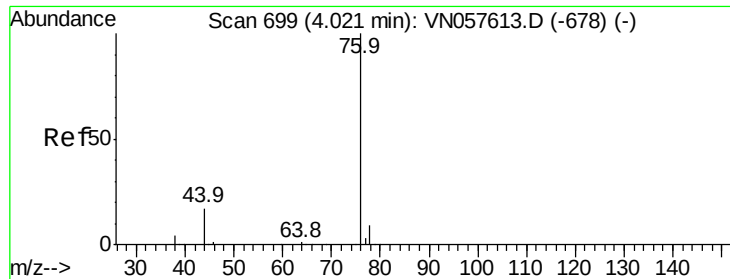
58 23.1 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN057615.D (-540) (-)

Ion 58.00 (57.70 to 58.70): VN057615.D (-540) (-)

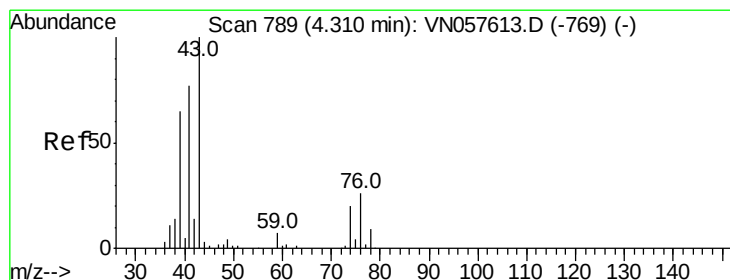
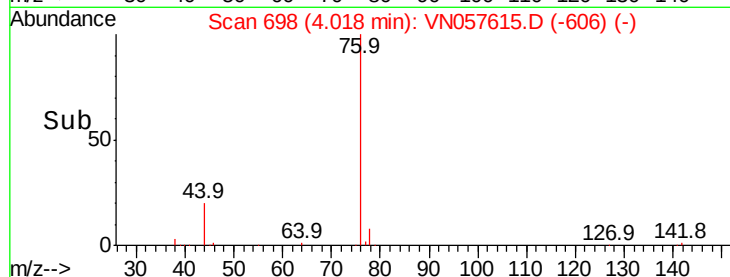
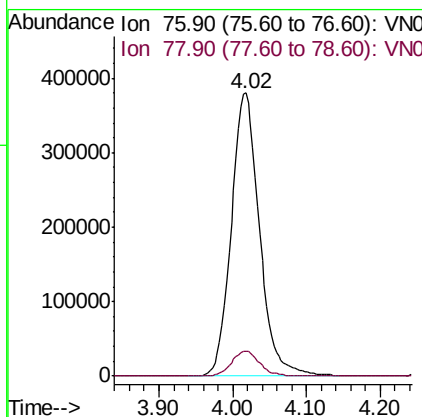
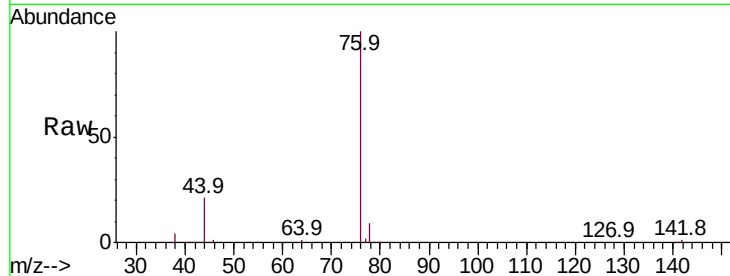




#17
Carbon Disulfide
Concen: 157.628 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

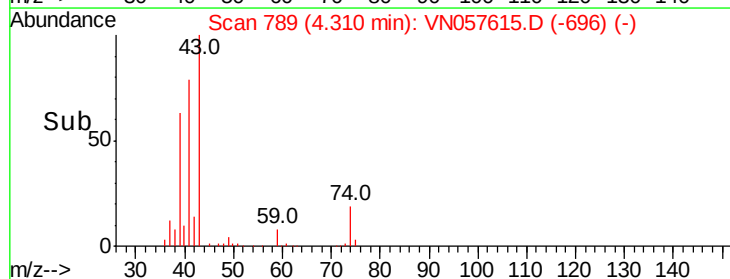
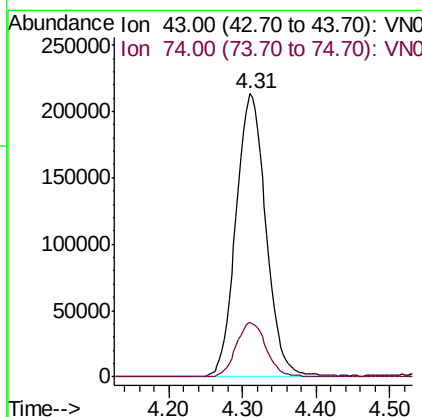
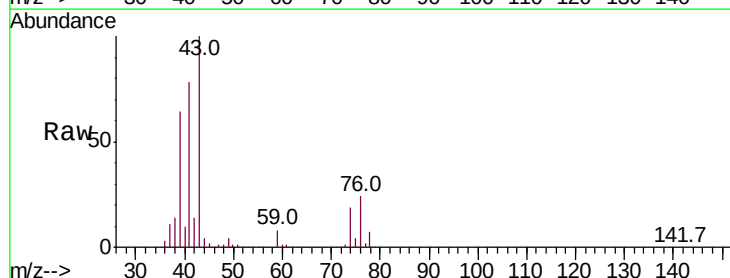
Instrument :
MSVOA_N
ClientSampled :

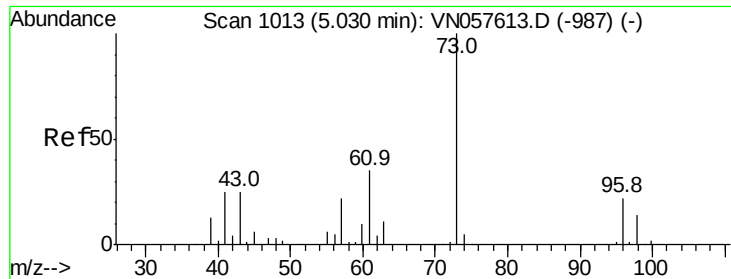
Tot Ion: 76 Resp: 1012101
Ion Ratio Lower Upper
76 100
78 8.9 6.9 10.3



#18
Methyl Acetate
Concen: 142.528 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion: 43 Resp: 602418
Ion Ratio Lower Upper
43 100
74 19.4 15.7 23.5

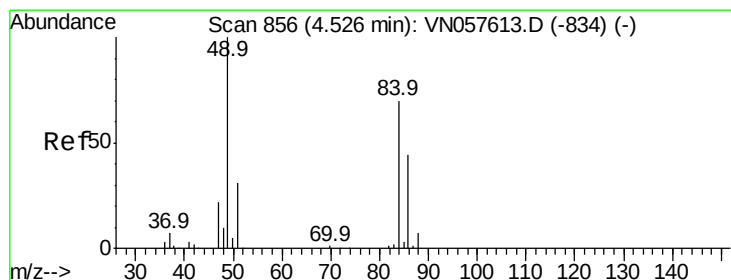
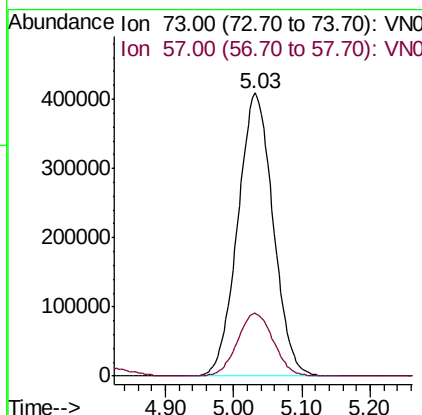
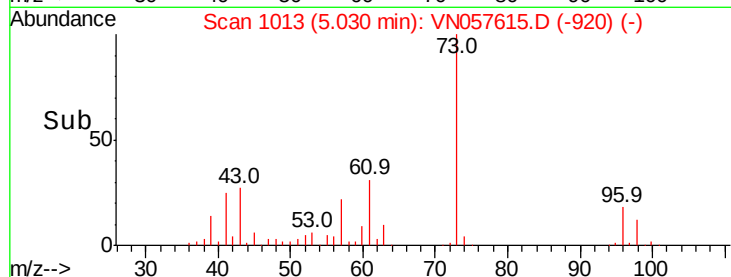
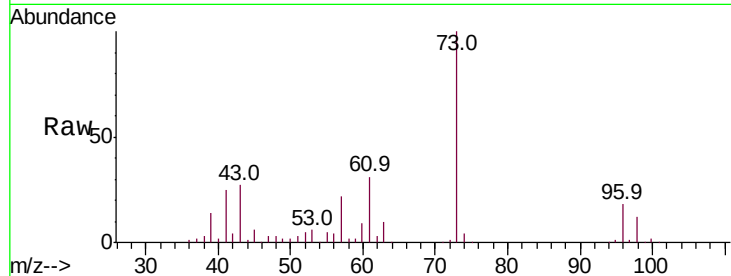




#19
Methyl tert-butyl Ether
Concen: 174.391 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

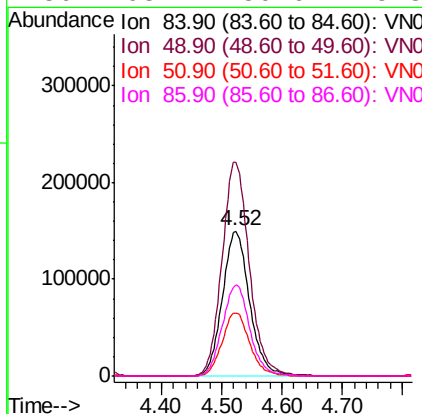
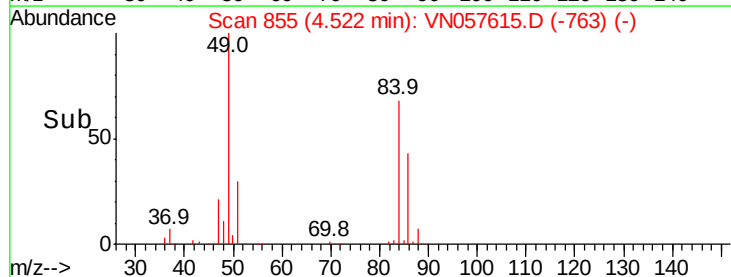
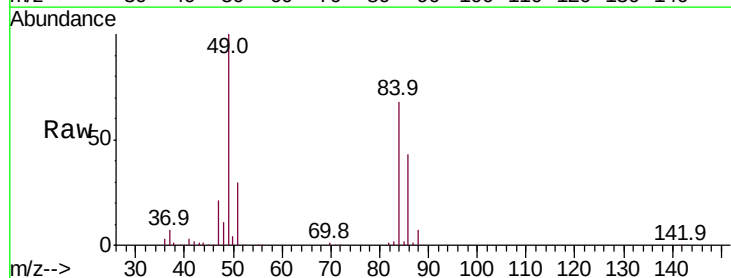
Instrument :
MSVOA_N
ClientSampled :

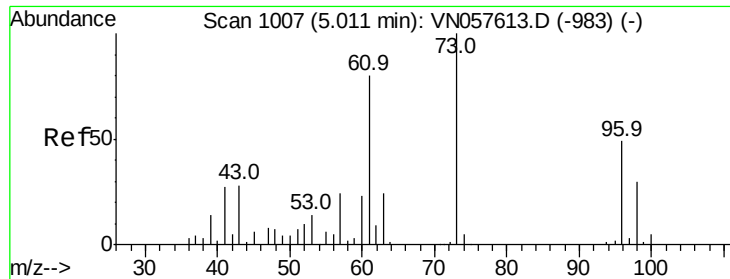
Tot Ion: 73 Resp: 1473076
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9



#20
Methylene Chloride
Concen: 171.708 ug/l
RT: 4.52 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion: 84 Resp: 469112
Ion Ratio Lower Upper
84 100
49 147.6 113.8 170.6
51 43.7 35.0 52.6
86 63.2 50.6 75.8

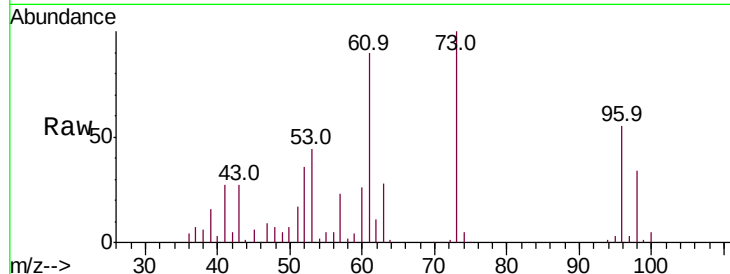




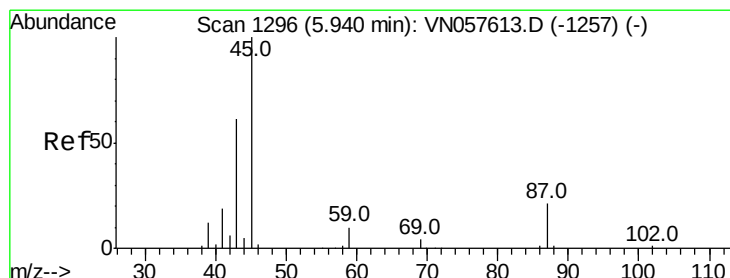
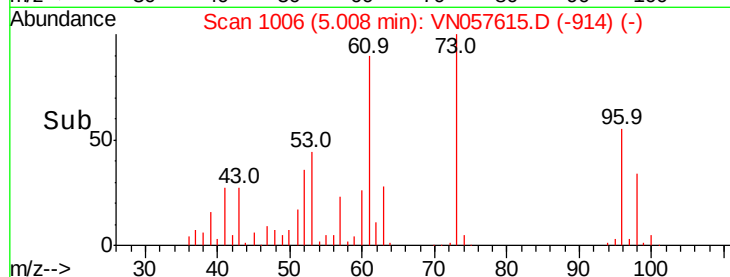
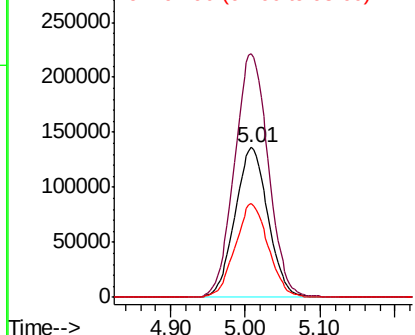
#21
trans-1,2-Dichloroethene
Concen: 169.483 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 418548
Ion Ratio Lower Upper
96 100
61 162.7 131.6 197.4
98 62.4 49.9 74.9

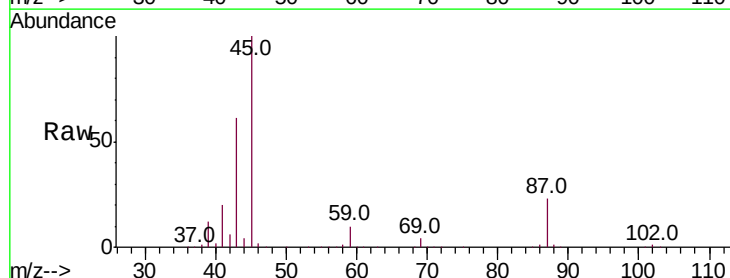


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

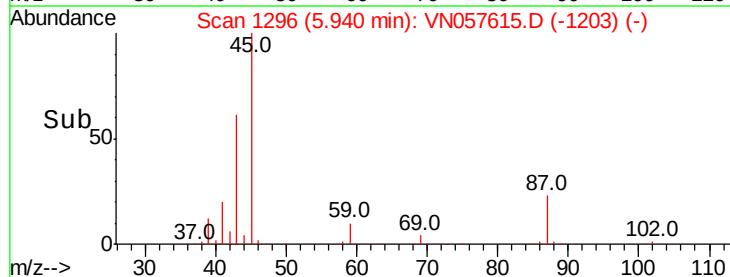
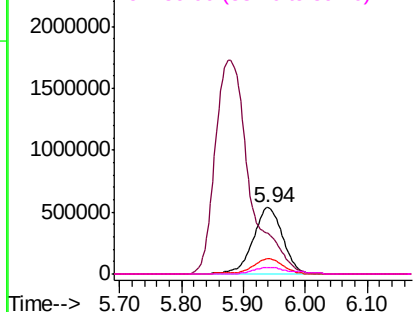


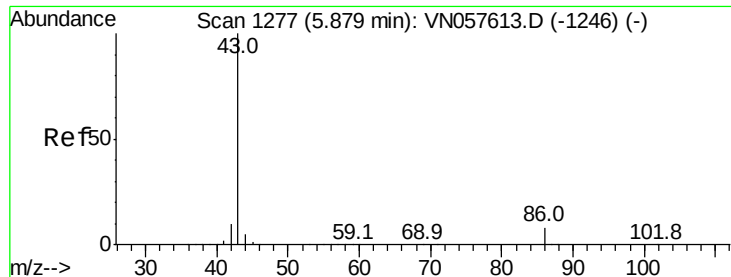
#22
Diisopropyl ether
Concen: 177.922 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion: 45 Resp: 1781713
Ion Ratio Lower Upper
45 100
43 60.4 49.1 73.7
87 23.0 17.0 25.6
59 10.0 8.2 12.2



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





#23

Vinyl Acetate

Concen: 843.236 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

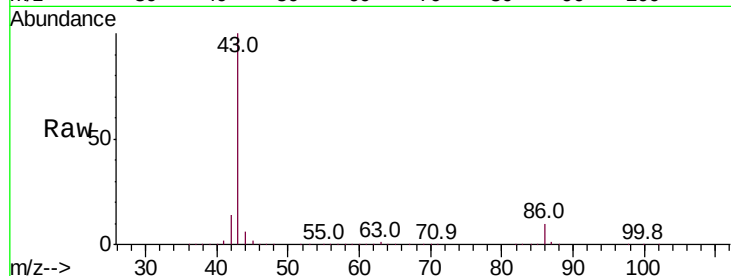
ClientSampleId :

Tot Ion: 43 Resp: 6646151

Ion Ratio Lower Upper

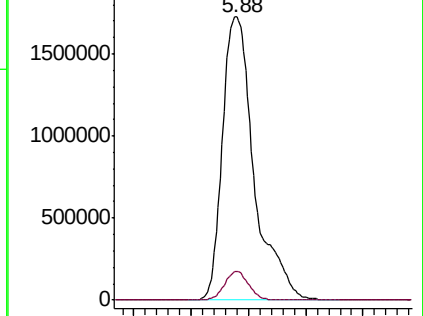
43 100

86 10.1 6.1 9.1#

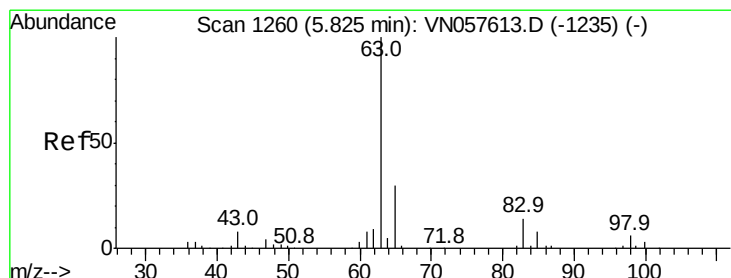
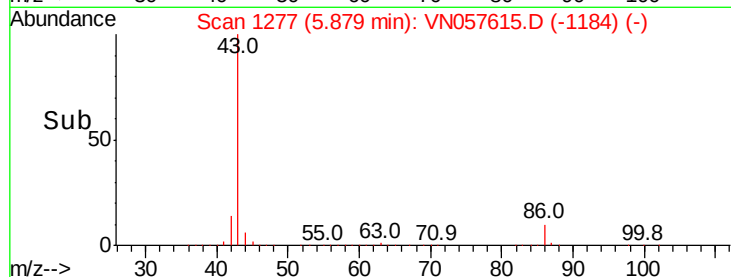


Abundance Ion 43.00 (42.70 to 43.70): VN0

2000000 Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 175.838 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

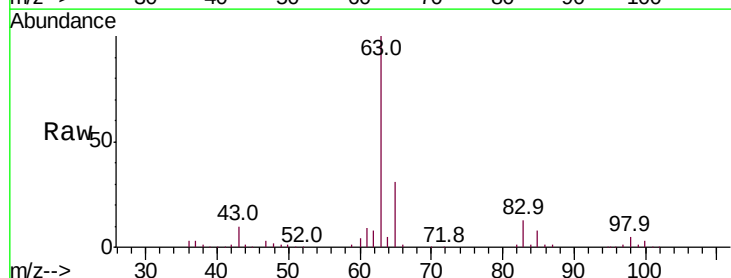
Tgt Ion: 63 Resp: 924690

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

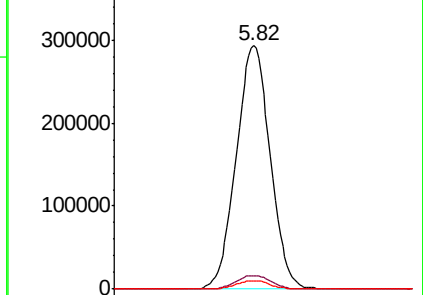
100 3.3 1.5 4.5



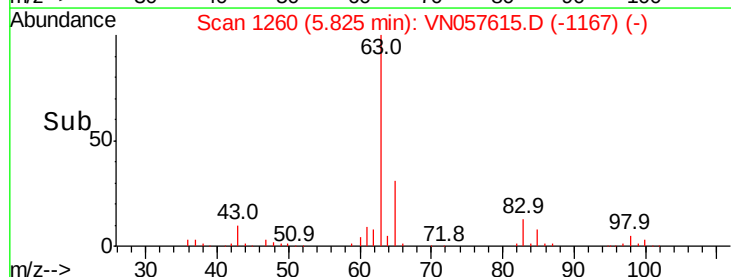
Abundance Ion 62.90 (62.60 to 63.60): VN0

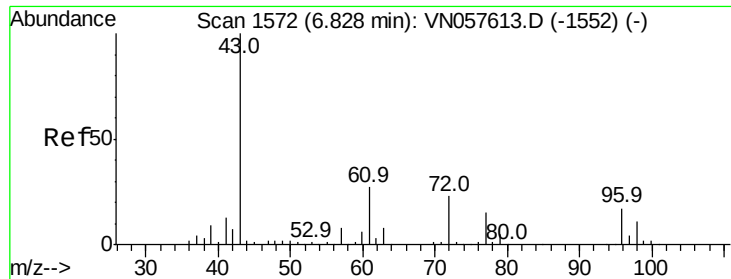
400000 Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->

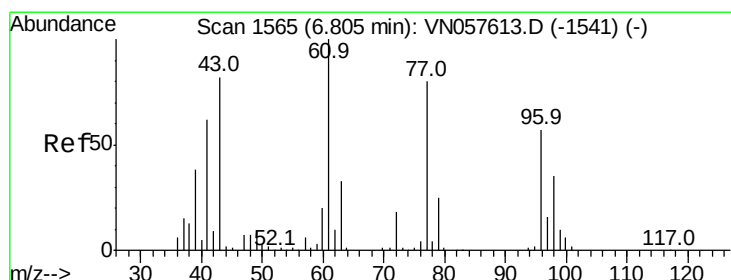
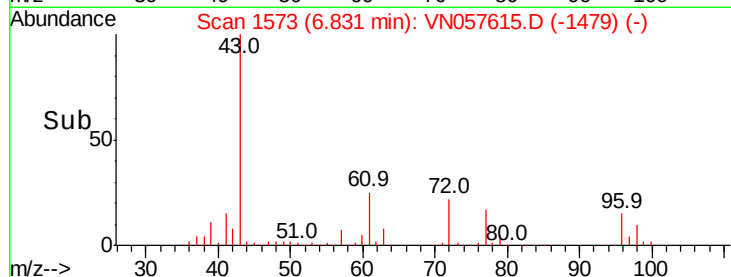
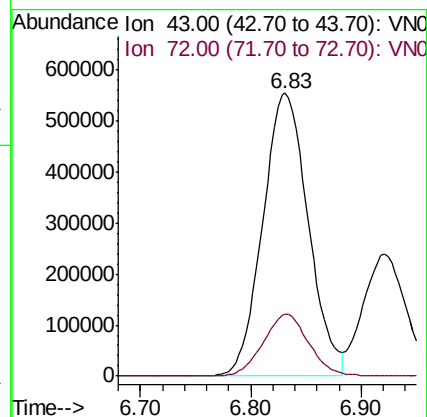
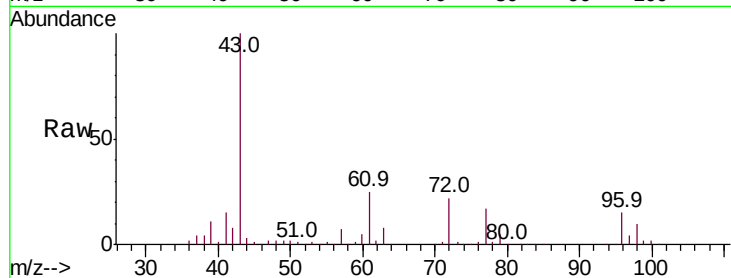




#25
2-Butanone
Concen: 870.345 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

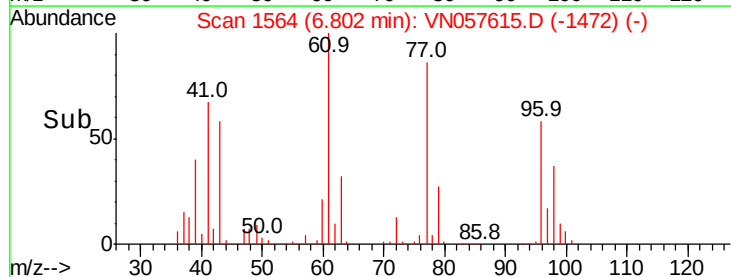
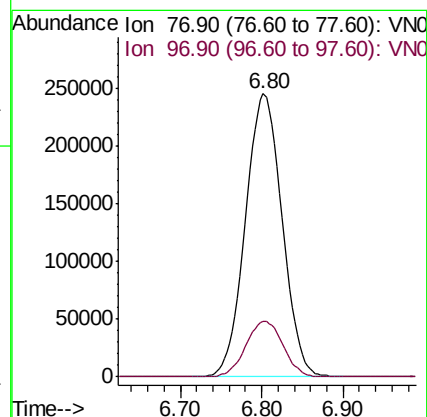
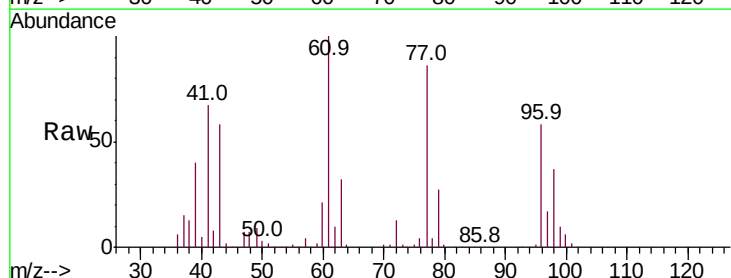
Instrument :
MSVOA_N
ClientSampled :

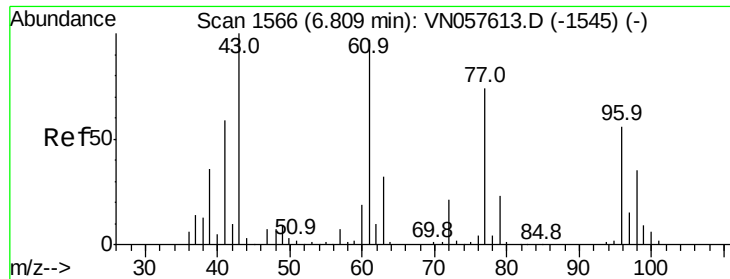
Tot Ion: 43 Resp: 1581735
Ion Ratio Lower Upper
43 100
72 22.0 18.2 27.4



#26
2,2-Dichloropropane
Concen: 169.434 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion: 77 Resp: 763472
Ion Ratio Lower Upper
77 100
97 20.0 10.6 31.8



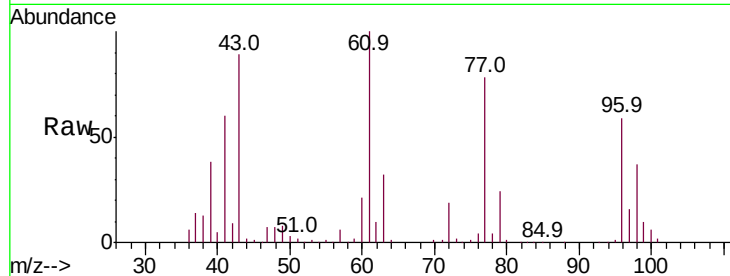


#27

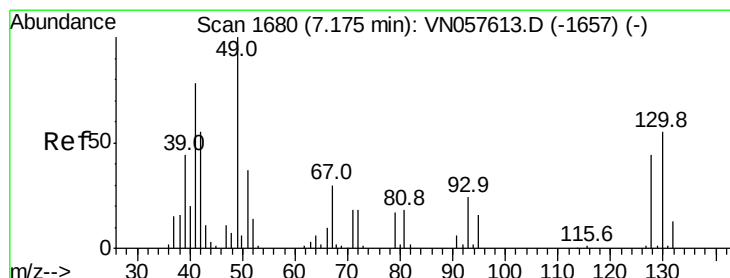
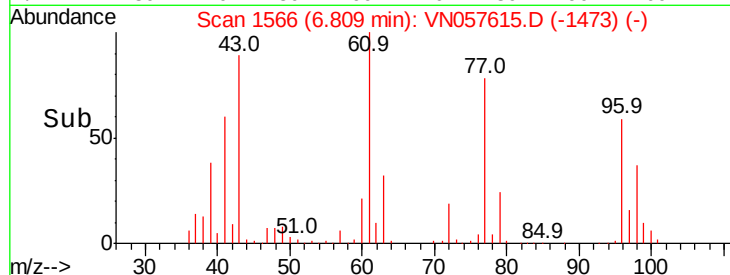
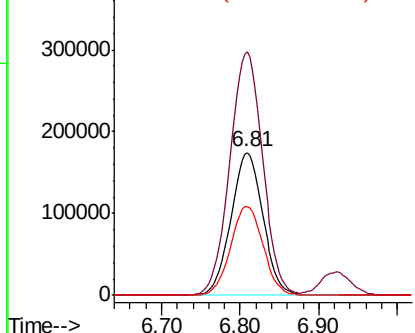
cis-1,2-Dichloroethene
Concen: 169.278 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	175.0	0.0	344.6
98	63.7	0.0	124.8



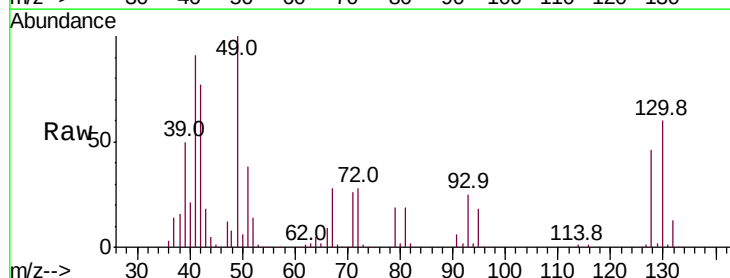
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



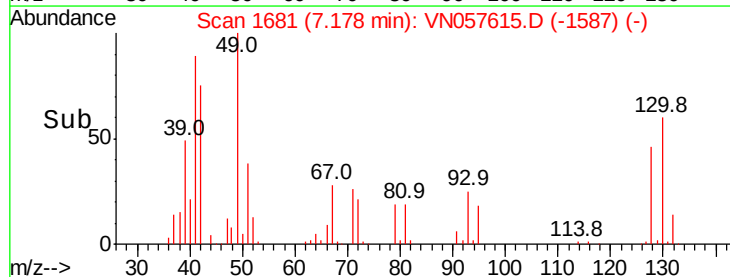
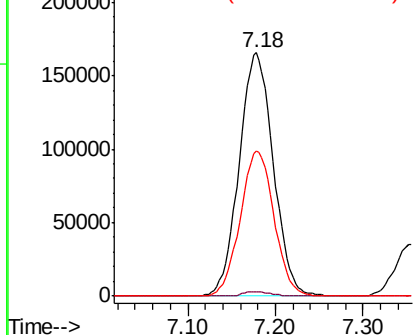
#28

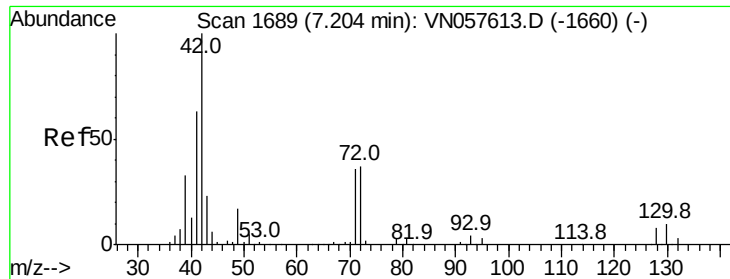
Bromochloromethane
Concen: 161.804 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	1.8
130	59.0	45.8	68.8



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





#29

Tetrahydrofuran

Concen: 839.764 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

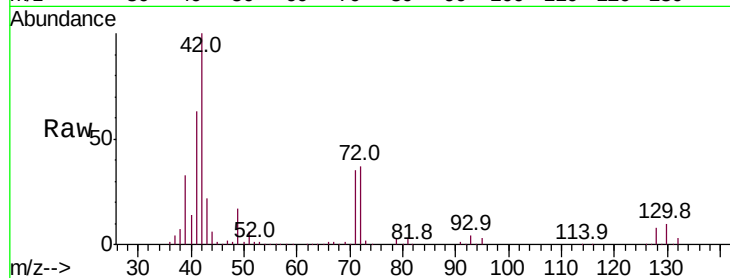
Tot Ion: 42 Resp: 991599

Ion Ratio Lower Upper

42 100

72 36.6 29.6 44.4

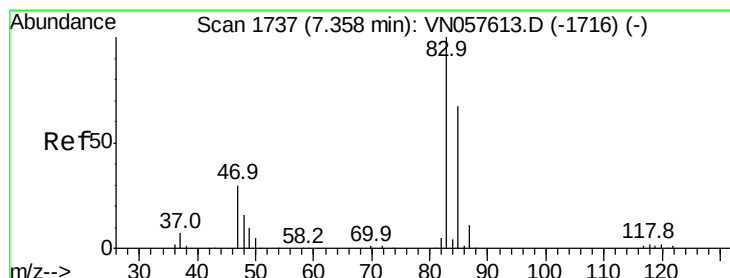
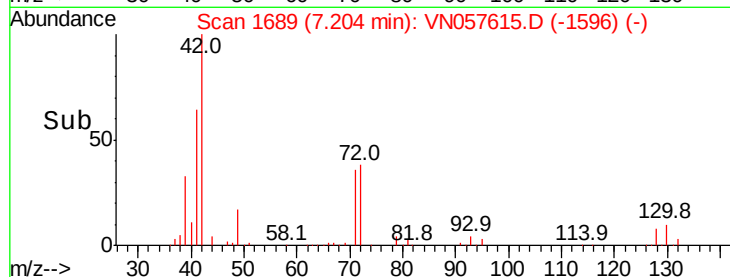
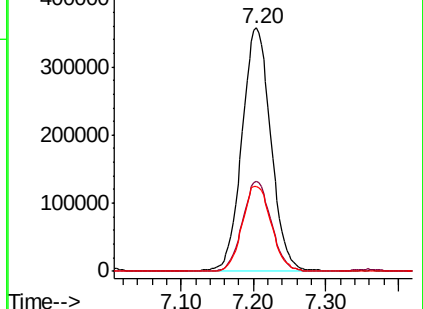
71 35.2 27.9 41.9



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 168.763 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN057615.D

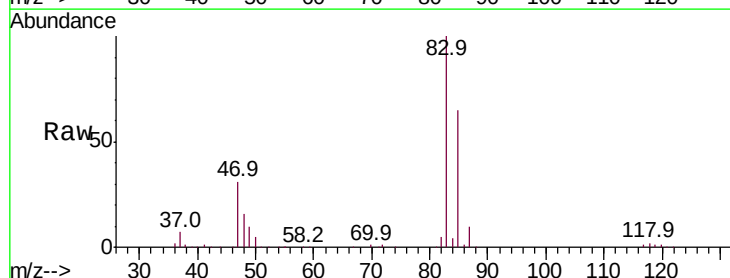
Acq: 31 Aug 2019 14:52

Tgt Ion: 83 Resp: 921808

Ion Ratio Lower Upper

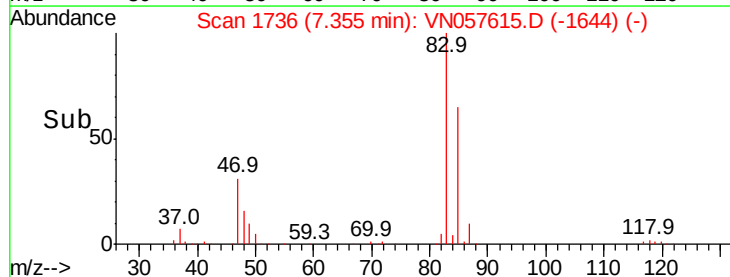
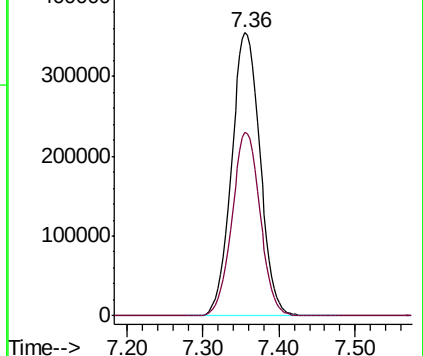
83 100

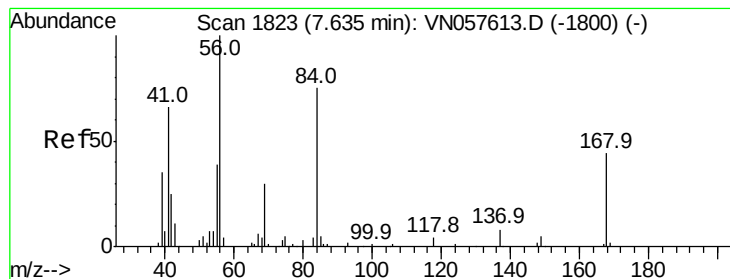
85 65.1 53.2 79.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 167.584 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

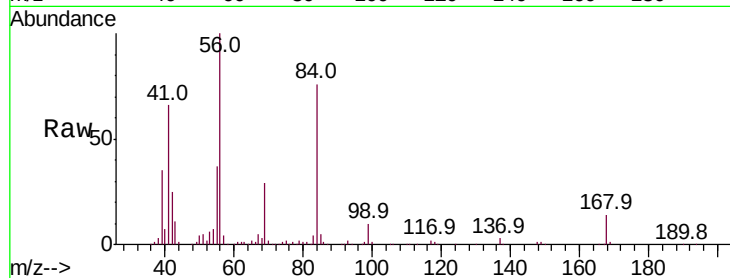
Tot Ion: 56 Resp: 854573

Ion Ratio Lower Upper

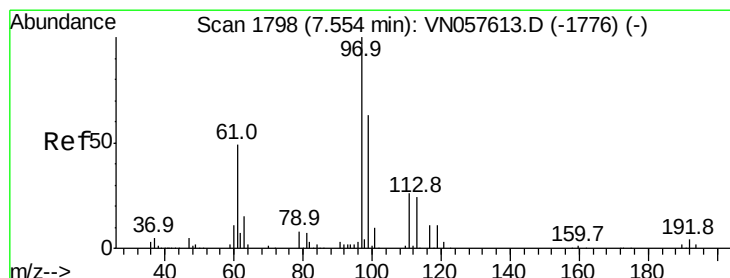
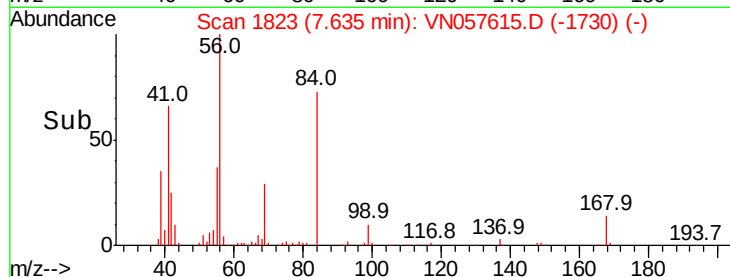
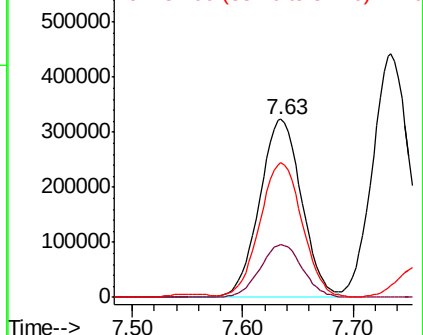
56 100

69 29.5 24.4 36.6

84 74.2 59.9 89.9



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



#32

1,1,1-Trichloroethane

Concen: 178.033 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

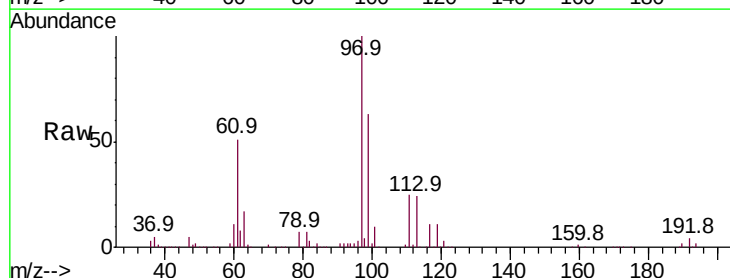
Tgt Ion: 97 Resp: 797576

Ion Ratio Lower Upper

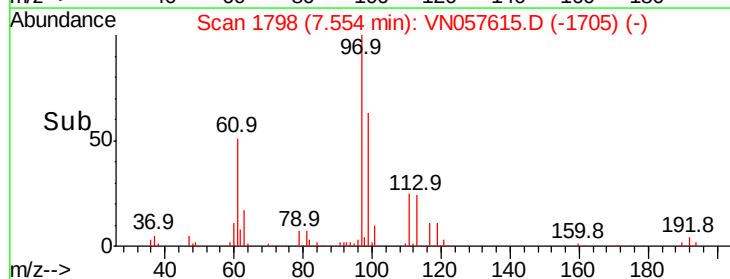
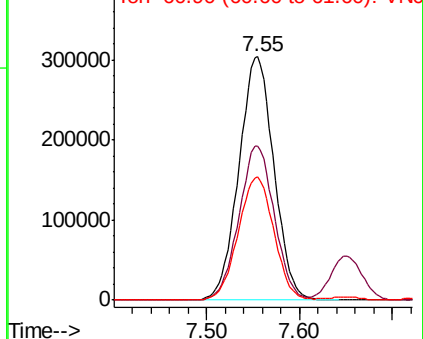
97 100

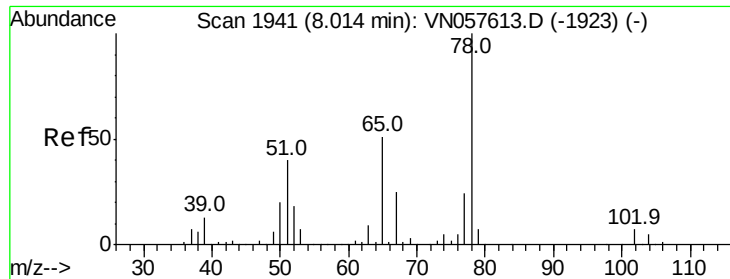
99 63.7 50.6 75.8

61 51.7 41.1 61.7



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

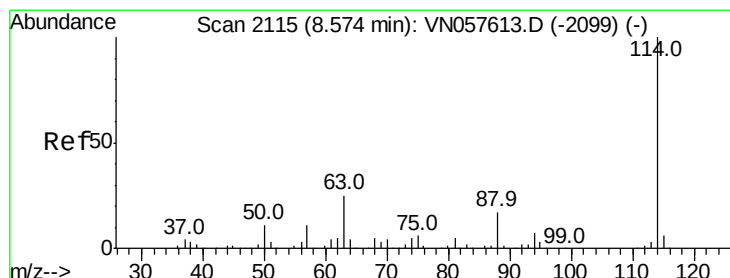
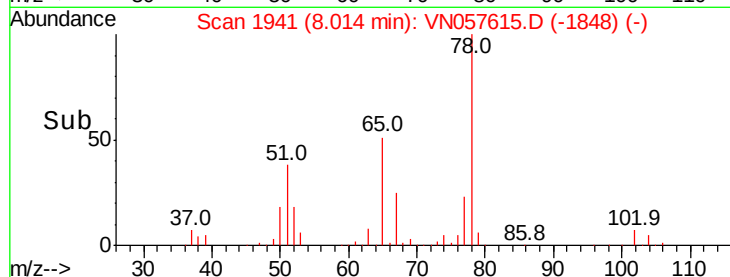
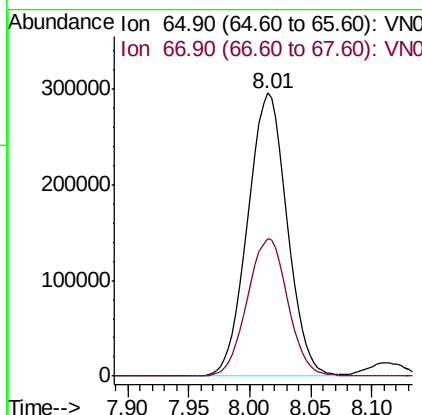
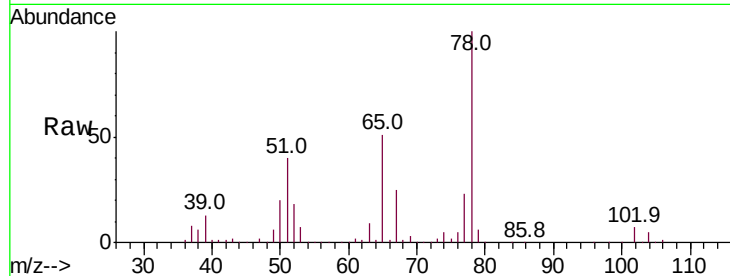




#33
 1,2-Dichloroethane-d4
 Concen: 180.550 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

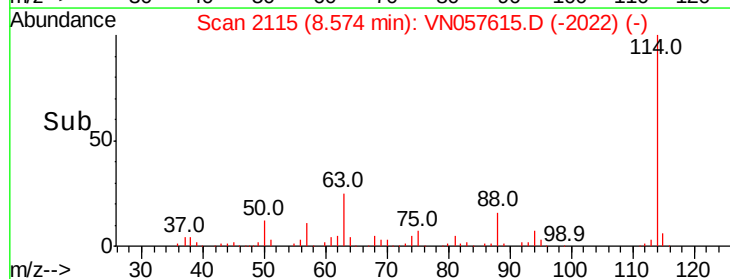
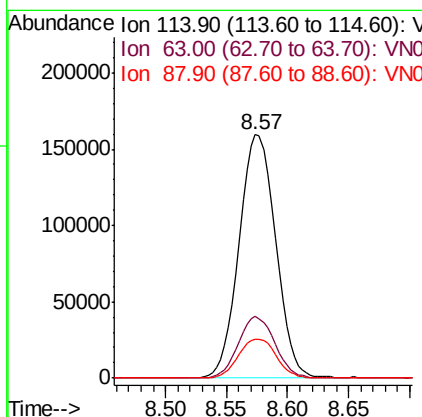
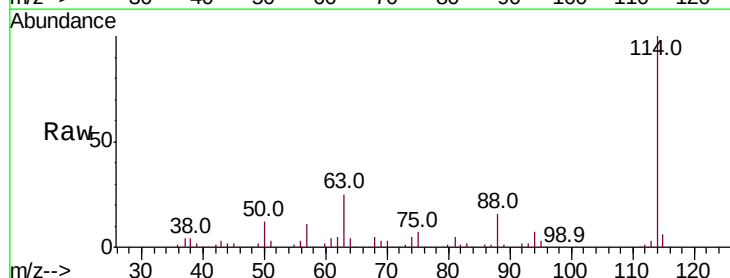
Instrument :
 MSVOA_N
 ClientSampleId :

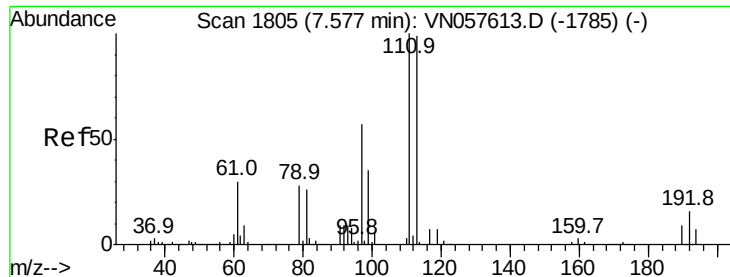
Tot Ion: 65 Resp: 661940
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion: 114 Resp: 331904
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 49.0
 88 16.0 0.0 33.0

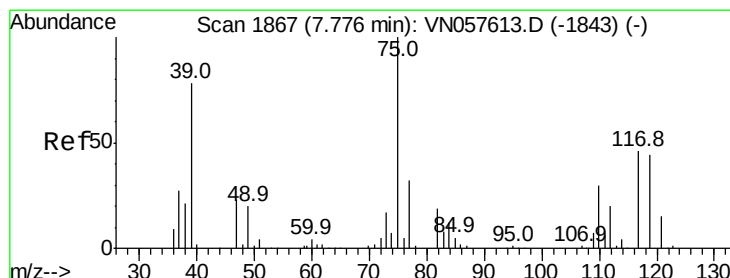
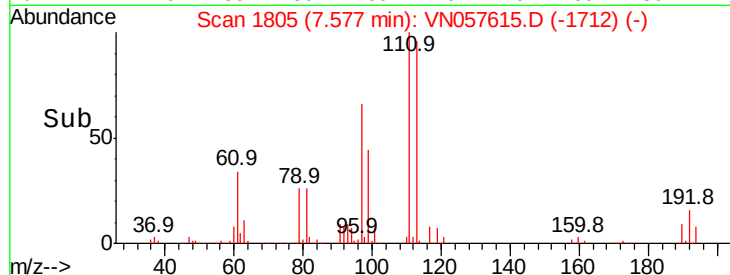
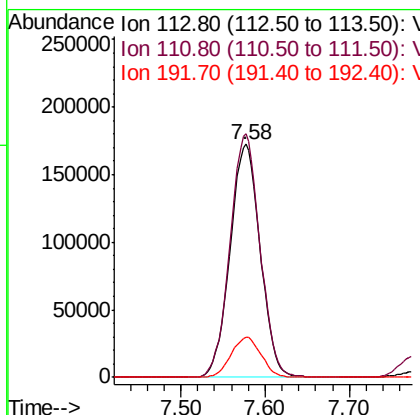
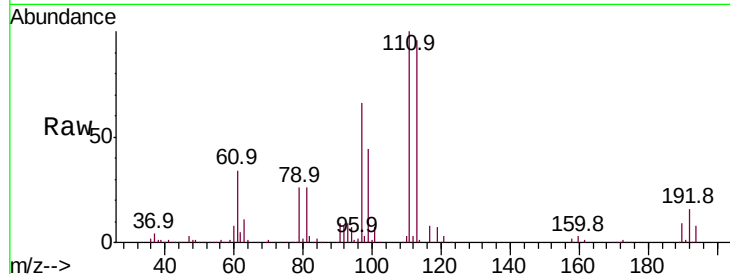




#35
 Dibromofluoromethane
 Concen: 179.031 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

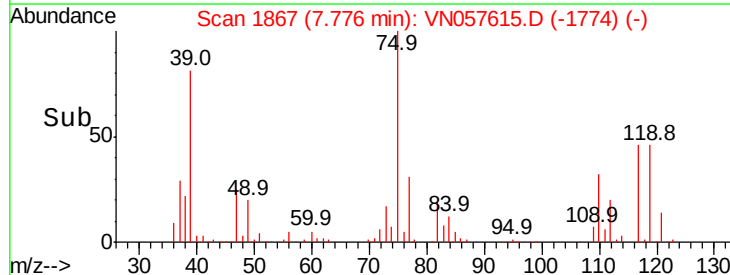
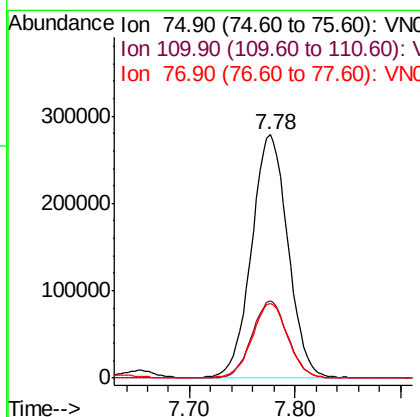
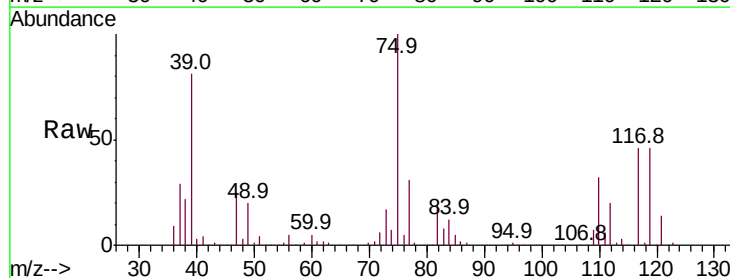
Instrument :
 MSVOA_N
 ClientSampled :

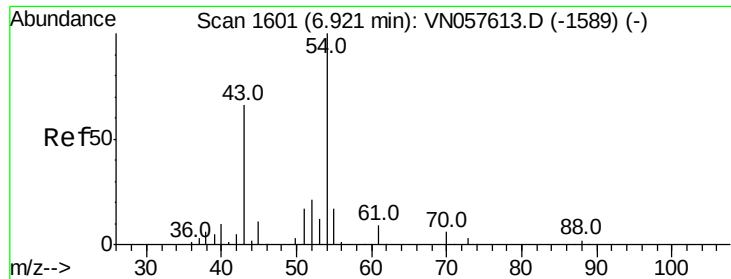
Tot Ion:113 Resp: 429058
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.3 121.9
 192 17.2 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 184.152 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion: 75 Resp: 667066
 Ion Ratio Lower Upper
 75 100
 110 31.4 15.6 46.8
 77 30.5 24.9 37.3

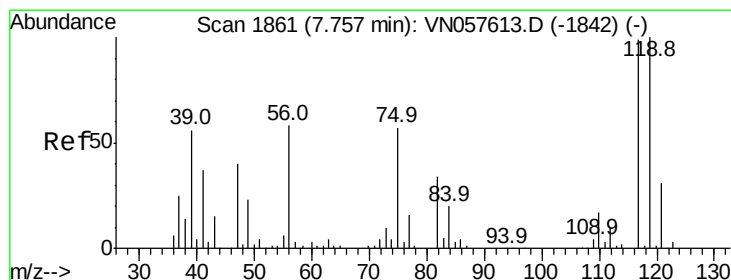
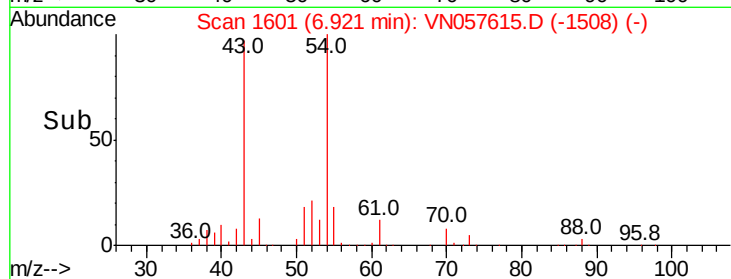
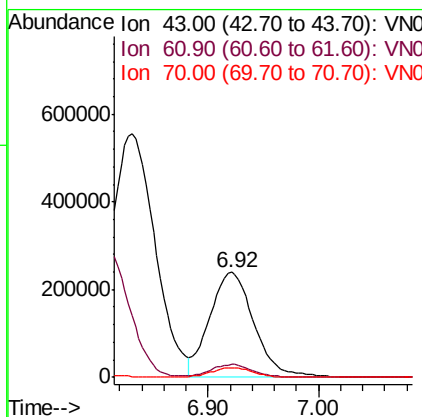
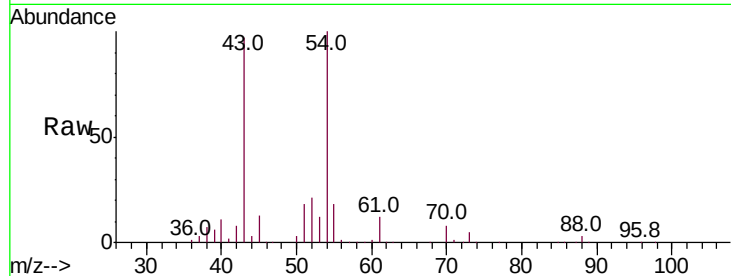




#37
Ethyl Acetate
Concen: 184.754 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

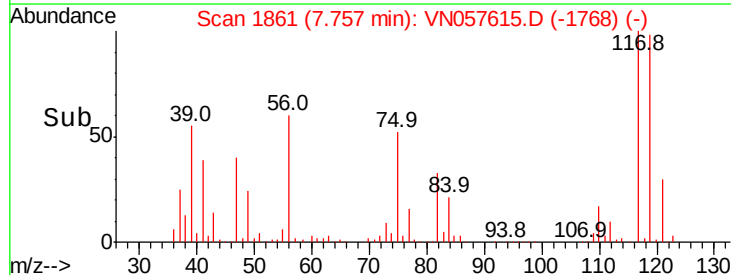
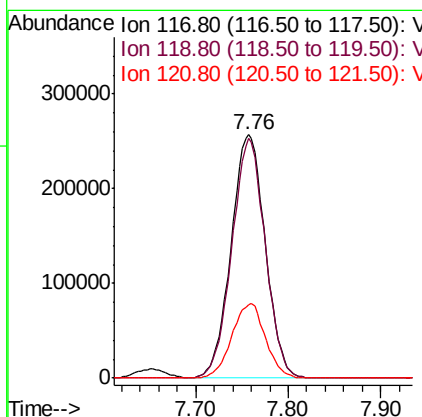
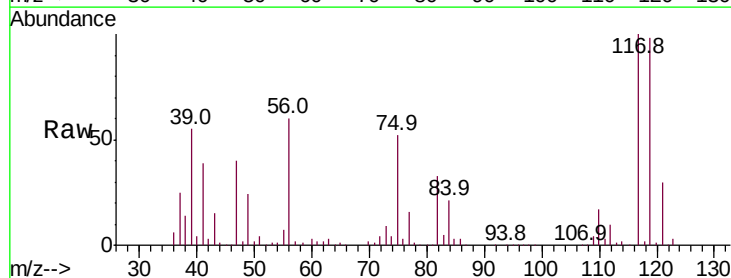
Instrument :
MSVOA_N
ClientSampleId :

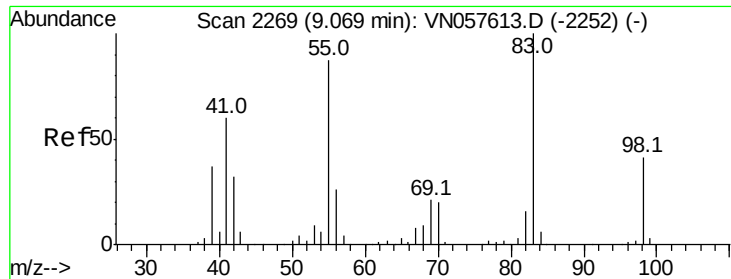
Tot Ion: 43 Resp: 657233
Ion Ratio Lower Upper
43 100
61 12.2 10.1 15.1
70 8.9 6.8 10.2



#38
Carbon Tetrachloride
Concen: 185.847 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion: 117 Resp: 654174
Ion Ratio Lower Upper
117 100
119 98.3 80.6 120.8
121 30.4 25.1 37.7

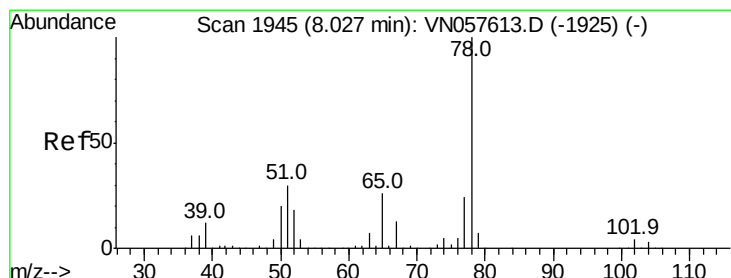
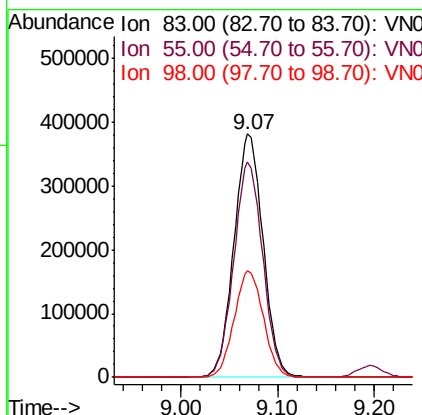
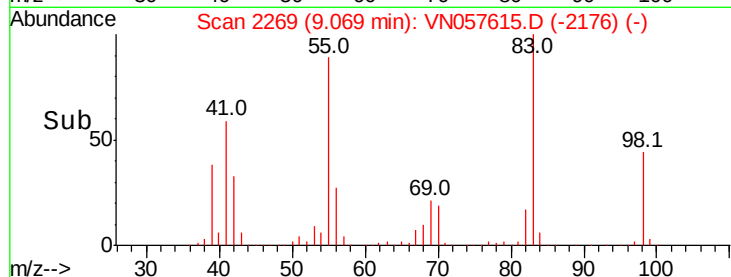
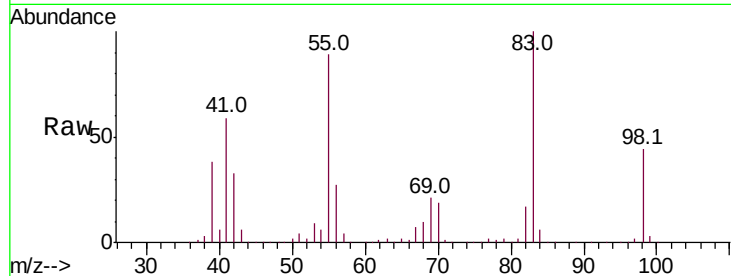




#39
Methylvlcyclohexane
Concen: 186.007 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

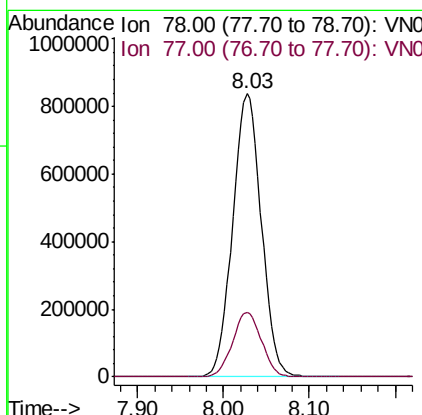
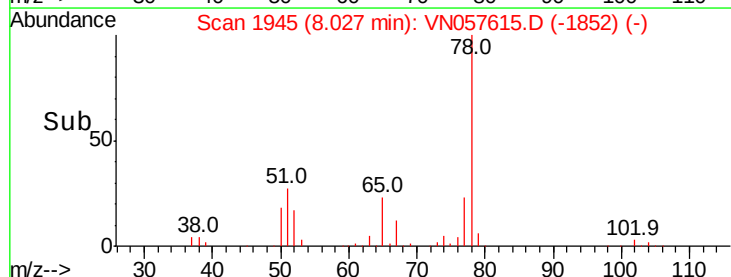
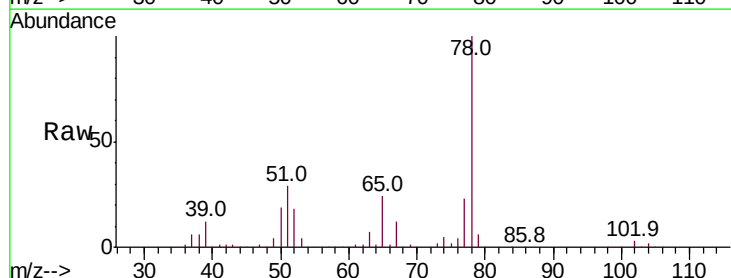
Instrument :
MSVOA_N
ClientSampled :

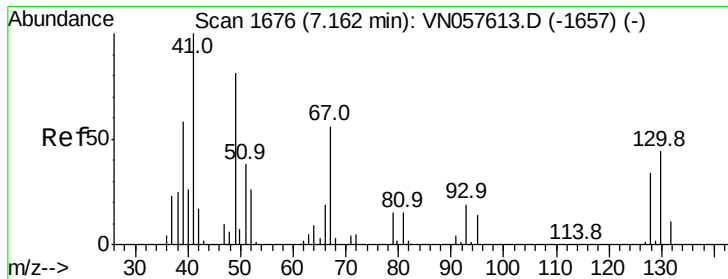
Tot Ion: 83 Resp: 797983
Ion Ratio Lower Upper
83 100
55 88.5 69.8 104.8
98 43.7 32.7 49.1



#40
Benzene
Concen: 179.246 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion: 78 Resp: 1935023
Ion Ratio Lower Upper
78 100
77 23.0 19.1 28.7





#41

Methacrylonitrile

Concen: 211.417 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 365025

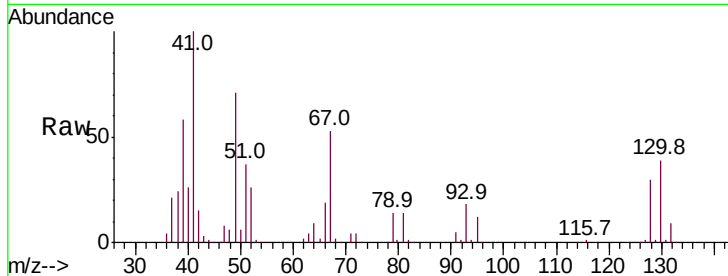
Ion Ratio Lower Upper

41 100

39 62.1 50.6 75.8

67 63.4 56.9 85.3

52 31.1 27.4 41.2

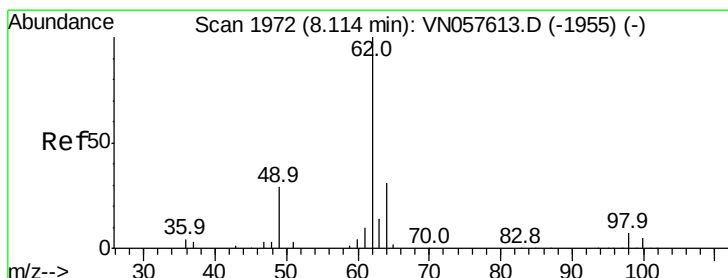
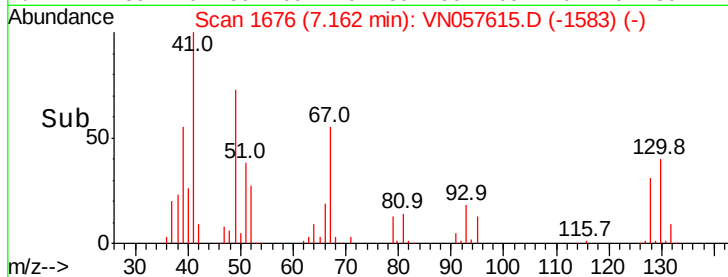
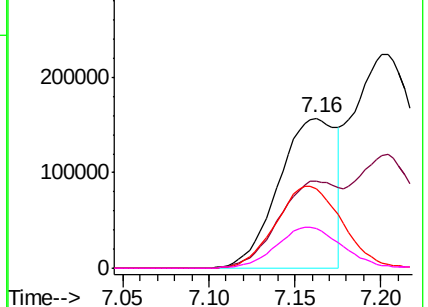


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 192.580 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN057615.D

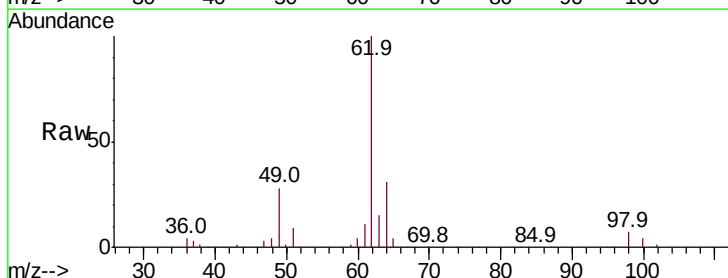
Acq: 31 Aug 2019 14:52

Tgt Ion: 62 Resp: 812194

Ion Ratio Lower Upper

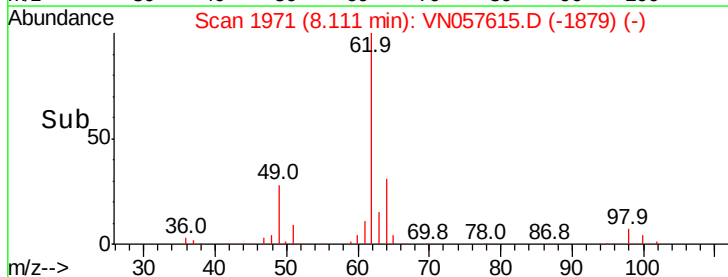
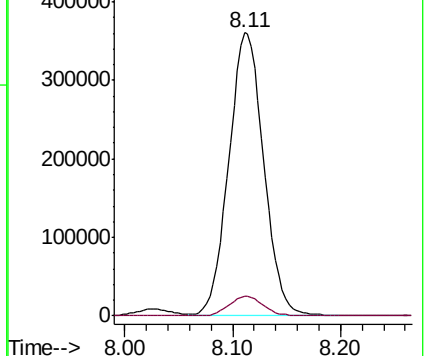
62 100

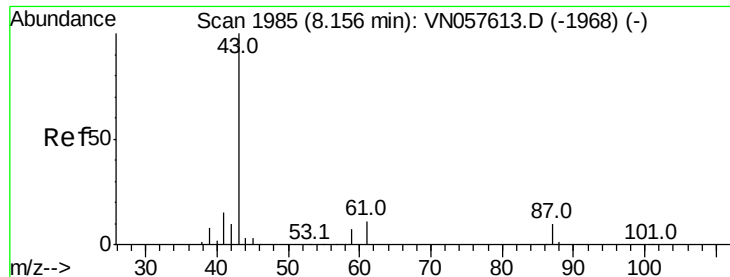
98 6.9 0.0 14.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 185.763 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

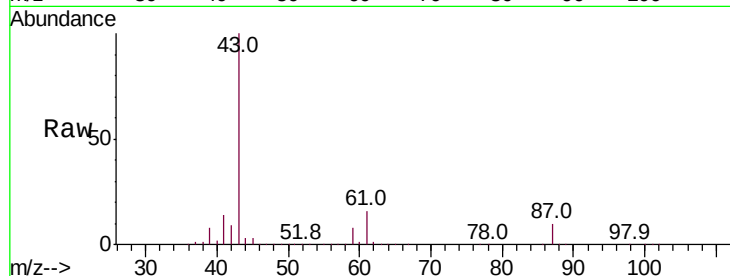
Tot Ion: 43 Resp: 1209975

Ion Ratio Lower Upper

43 100

61 15.9 13.1 19.7

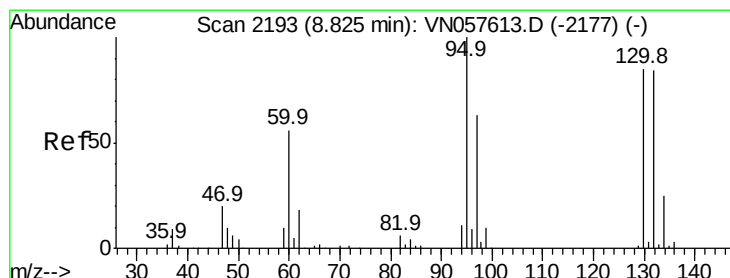
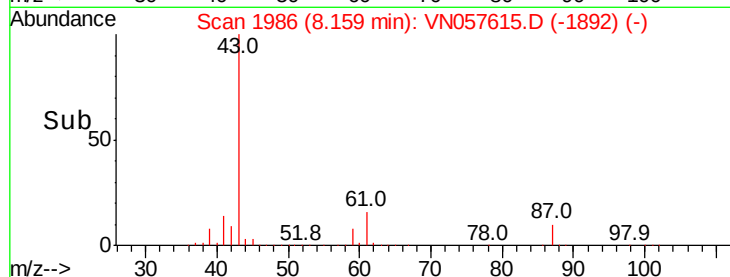
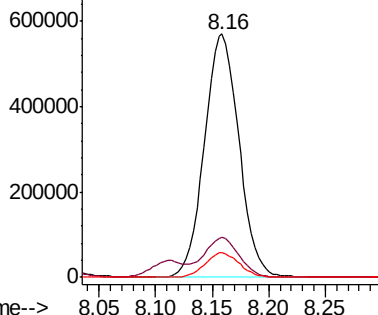
87 10.1 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 187.095 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057615.D

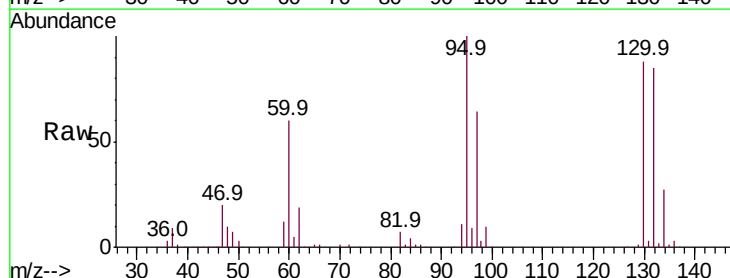
Acq: 31 Aug 2019 14:52

Tgt Ion:130 Resp: 449164

Ion Ratio Lower Upper

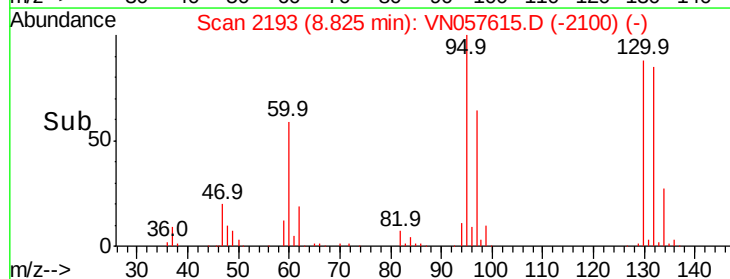
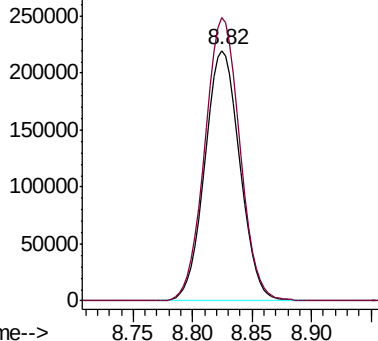
130 100

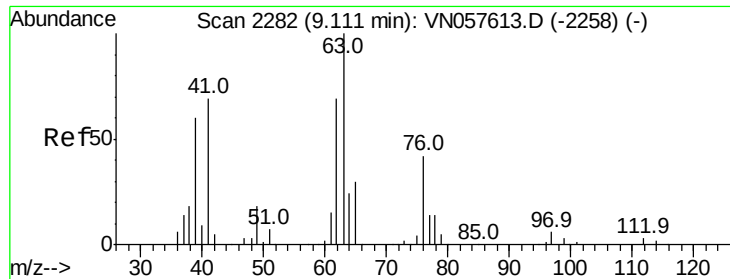
95 113.1 0.0 234.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

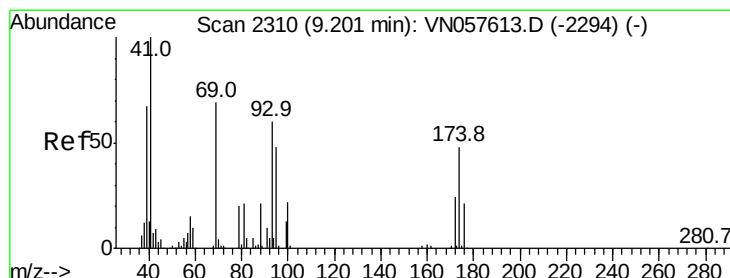
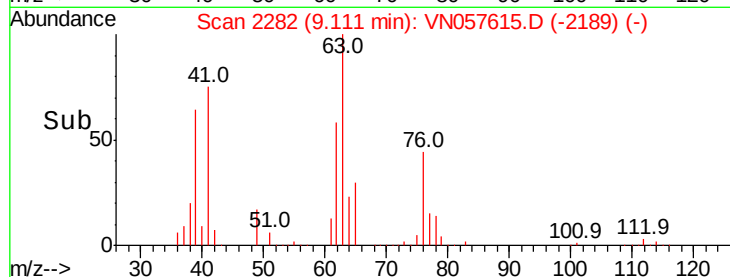
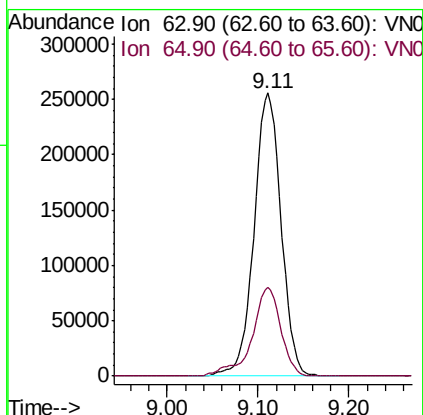
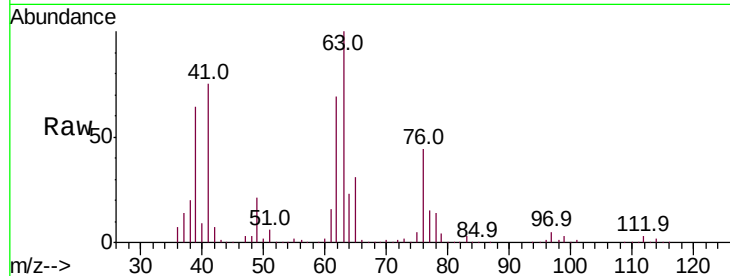




#45
 1,2-Dichloropropane
 Concen: 174.006 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

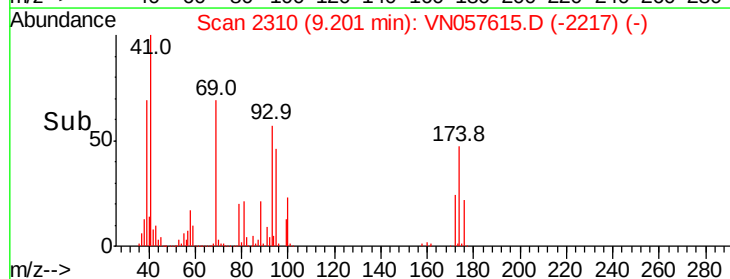
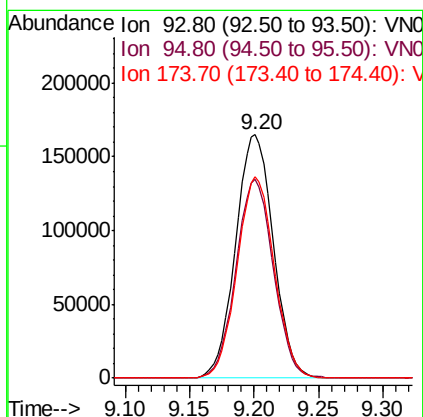
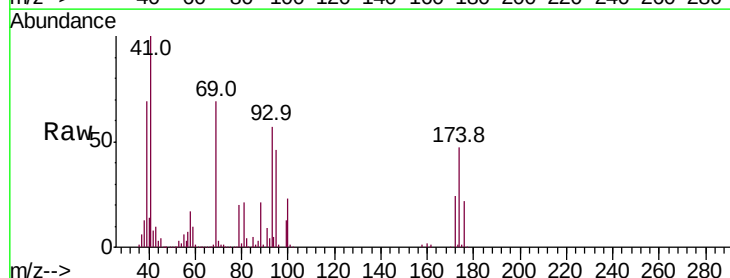
Instrument :
 MSVOA_N
 ClientSampled :

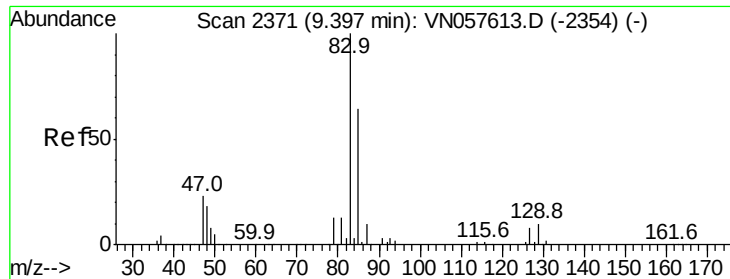
Tot Ion: 63 Resp: 528816
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.4 36.6



#46
 Dibromomethane
 Concen: 174.231 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion: 93 Resp: 336196
 Ion Ratio Lower Upper
 93 100
 95 81.2 65.8 98.6
 174 81.6 64.2 96.2





#47

Bromodichloromethane

Concen: 184.909 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :

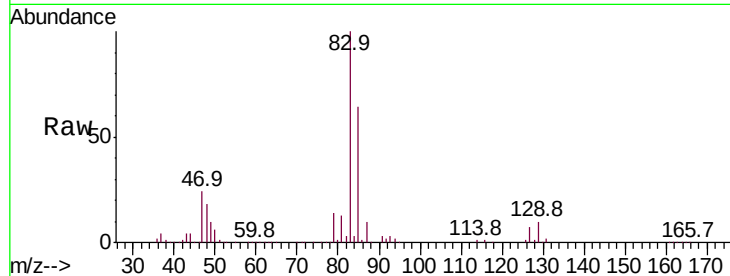
Tot Ion: 83 Resp: 739543

Ion Ratio Lower Upper

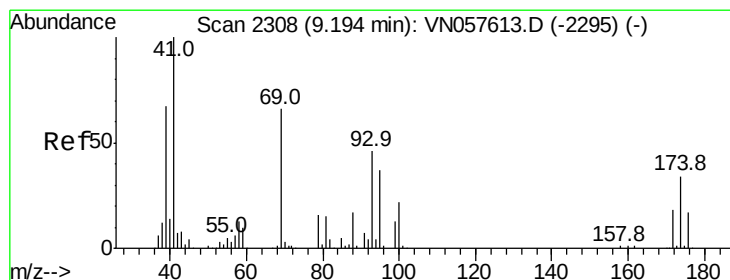
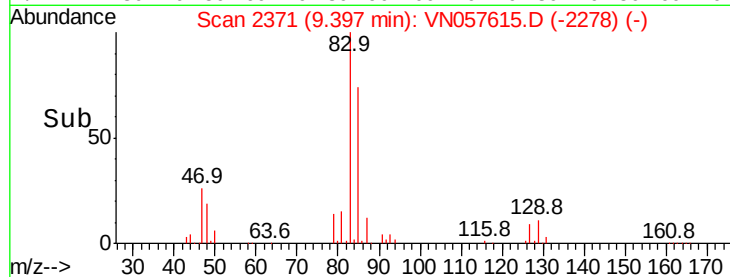
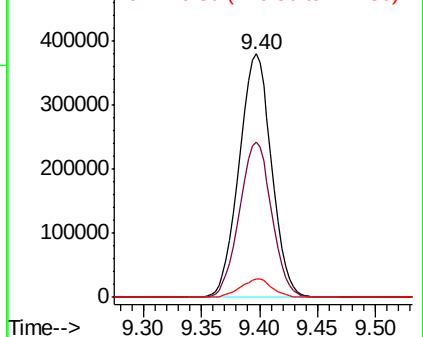
83 100

85 64.0 51.4 77.0

127 7.4 6.1 9.1



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



#48

Methyl methacrylate

Concen: 192.466 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

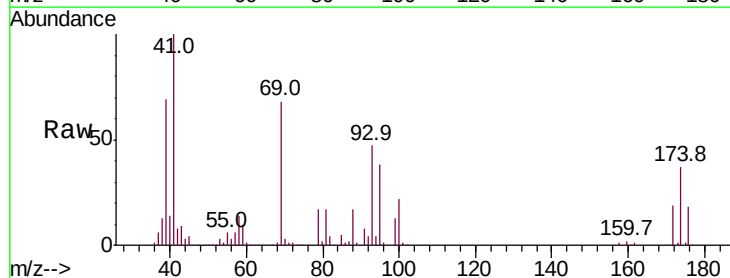
Tgt Ion: 41 Resp: 602687

Ion Ratio Lower Upper

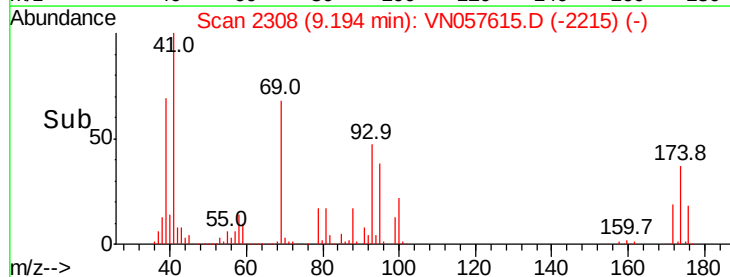
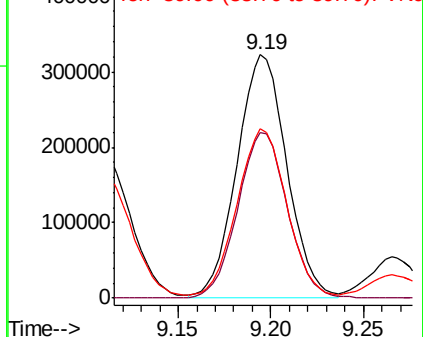
41 100

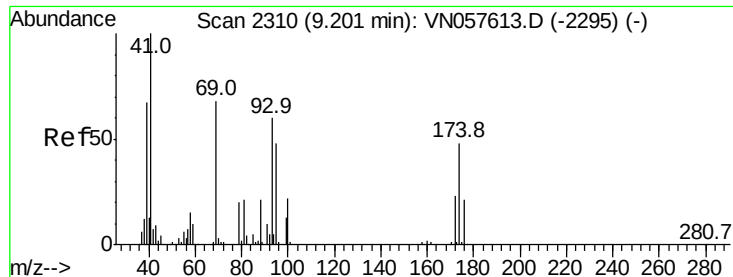
69 68.4 55.1 82.7

39 70.0 55.4 83.2



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

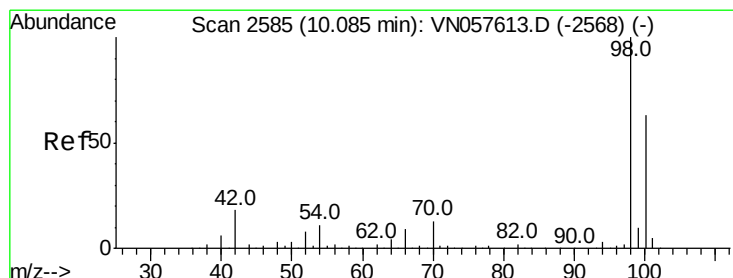
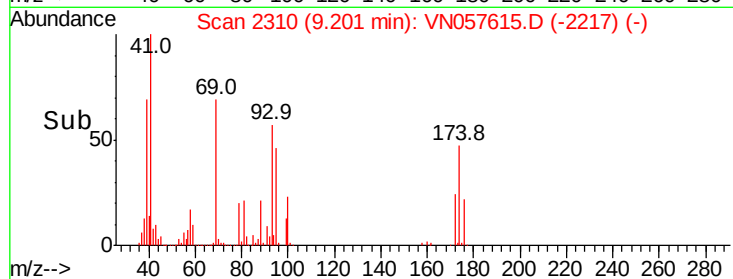
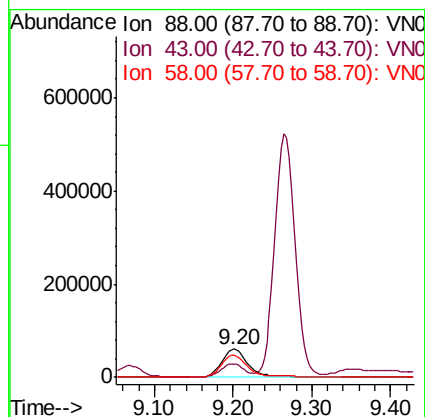
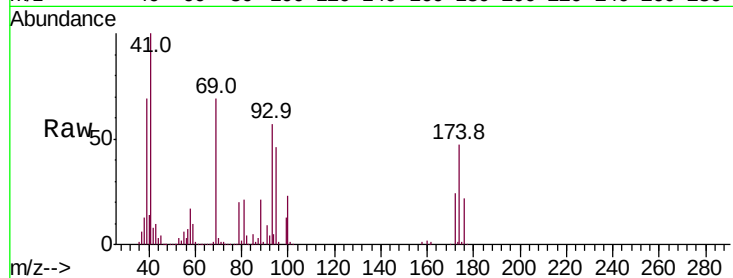




#49
1,4-Dioxane
Concen: 3650.735 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

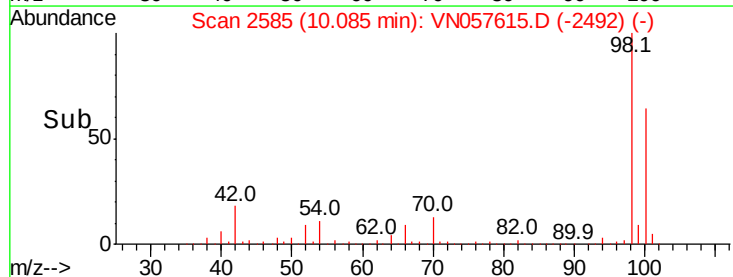
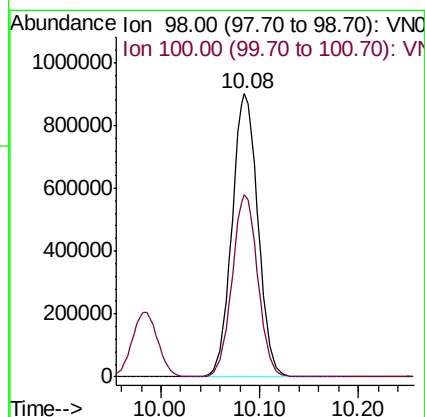
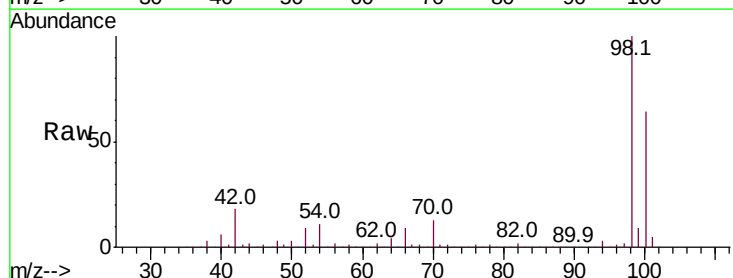
Instrument :
MSVOA_N
ClientSampled :

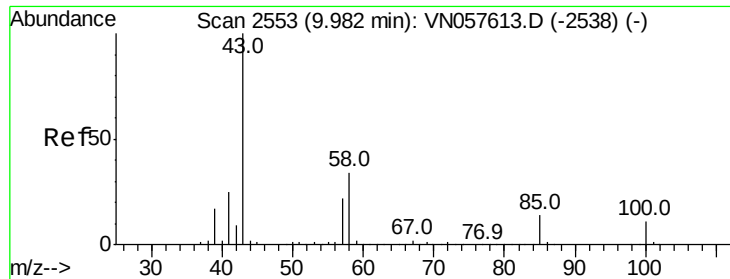
Tot Ion: 88 Resp: 144139
Ion Ratio Lower Upper
88 100
43 41.3 35.0 52.4
58 76.3 61.6 92.4



#50
Toluene-d8
Concen: 181.531 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion: 98 Resp: 1645239
Ion Ratio Lower Upper
98 100
100 63.6 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 857.999 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

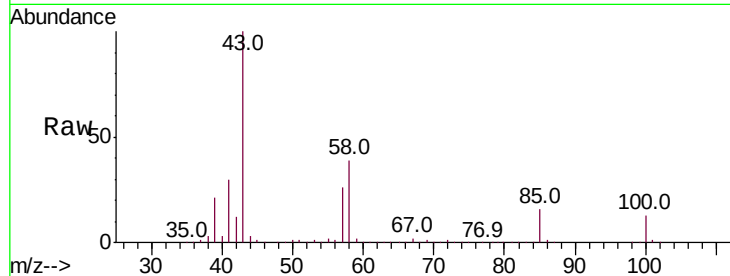
ClientSampled :

Tot Ion: 43 Resp: 3147083

Ion Ratio Lower Upper

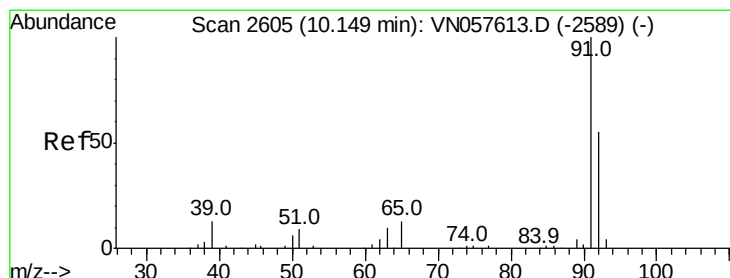
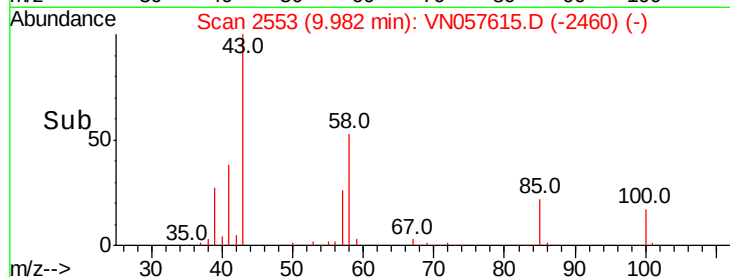
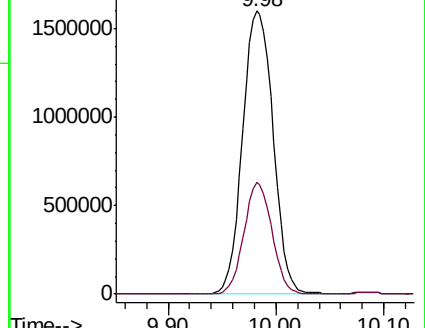
43 100

58 36.3 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VN057613.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN057613.D (-2538) (-)



#52

Toluene

Concen: 187.190 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057615.D

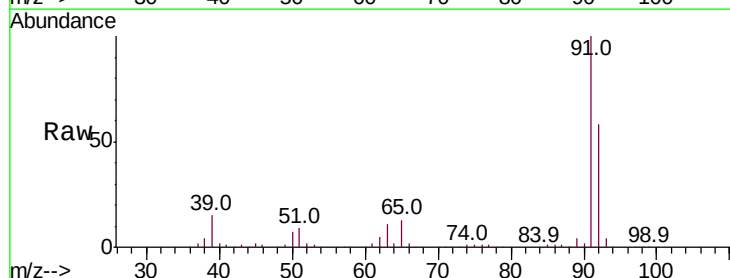
Acq: 31 Aug 2019 14:52

Tgt Ion: 92 Resp: 1170661

Ion Ratio Lower Upper

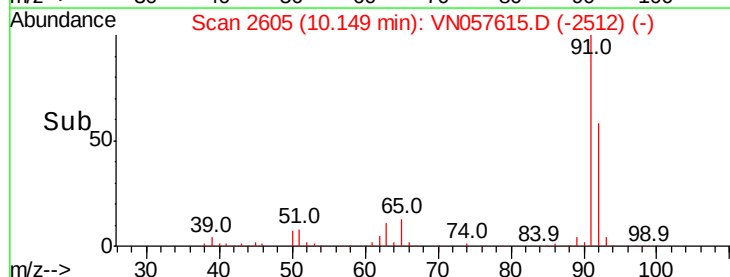
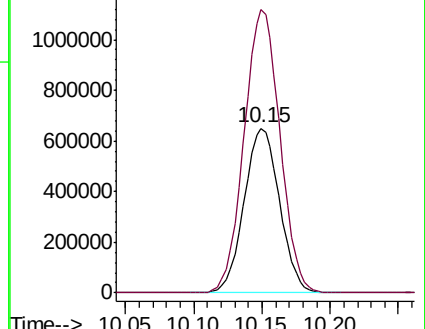
92 100

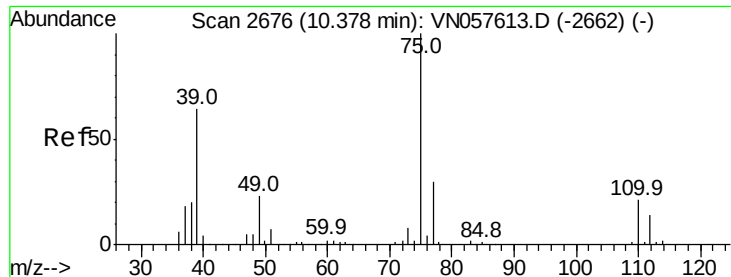
91 174.3 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN057613.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN057613.D (-2589) (-)





#53

t-1,3-Dichloropropene

Concen: 188.849 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

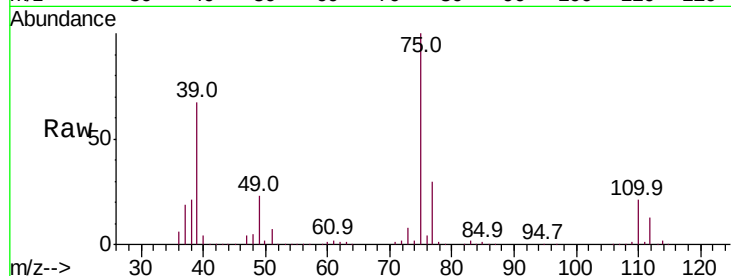
ClientSampleId :

Tot Ion: 75 Resp: 787143

Ion Ratio Lower Upper

75 100

77 30.4 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

500000

400000

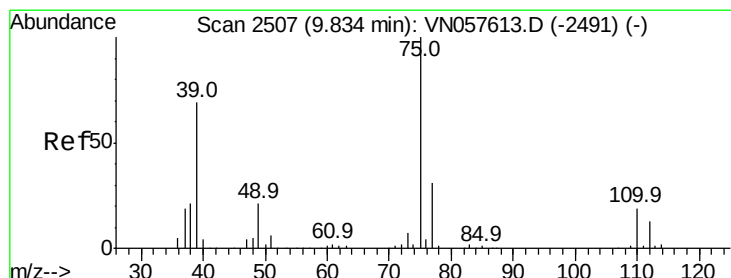
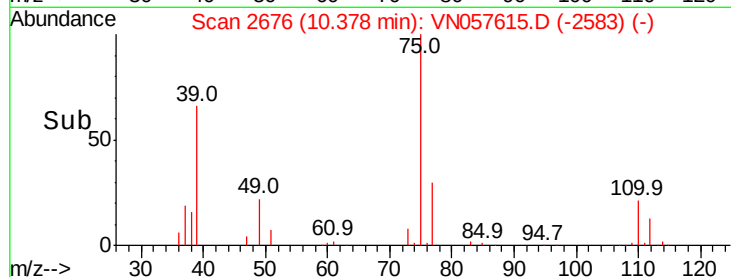
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 181.507 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

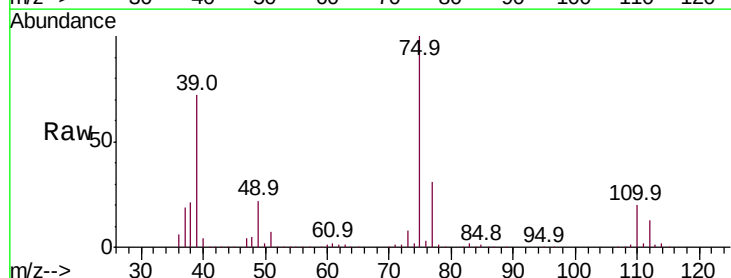
Tgt Ion: 75 Resp: 844118

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2

39 71.8 55.0 82.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

600000

500000

400000

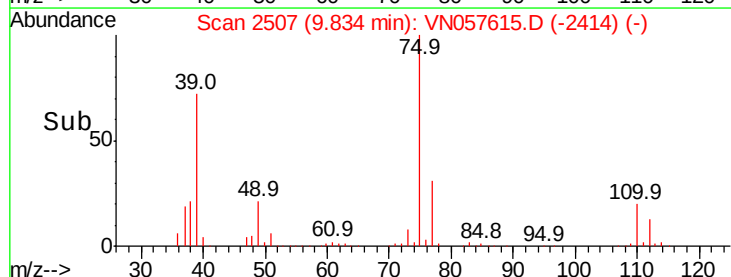
300000

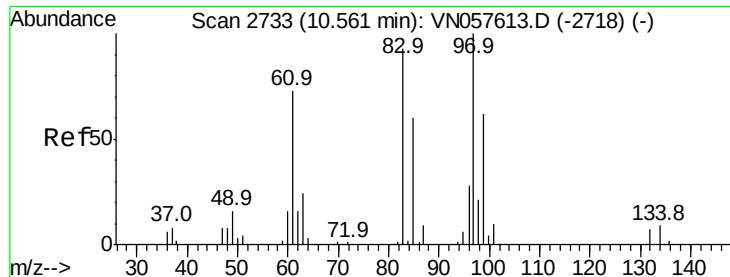
200000

100000

0

Time-->

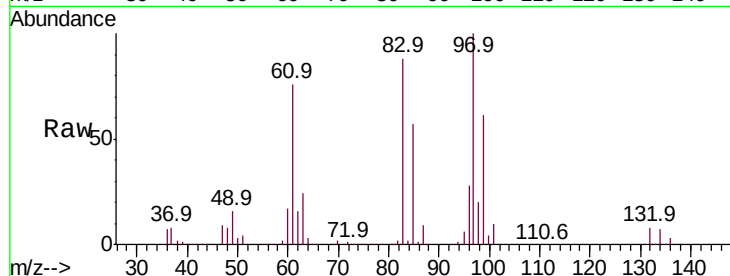




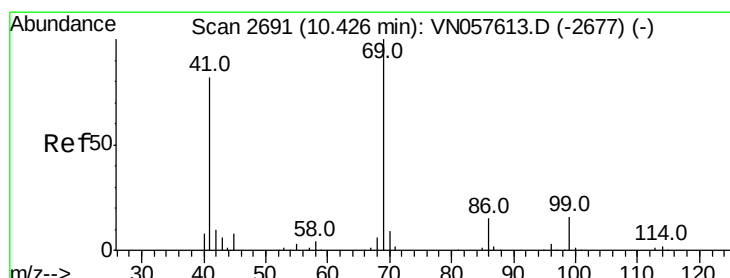
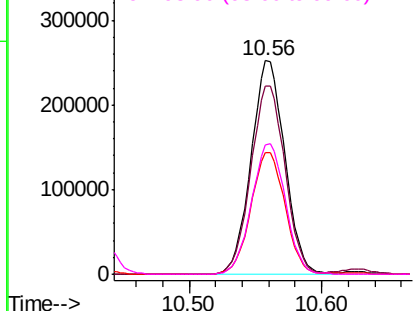
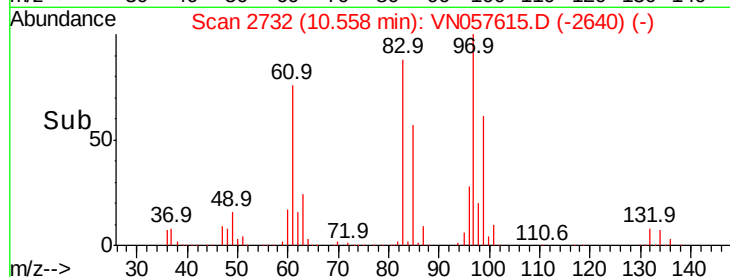
#55
1,1,2-Trichloroethane
Concen: 178.091 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 97 Resp: 447104
Ion Ratio Lower Upper
97 100
83 88.4 74.2 111.2
85 56.8 47.8 71.8
99 60.6 49.3 73.9

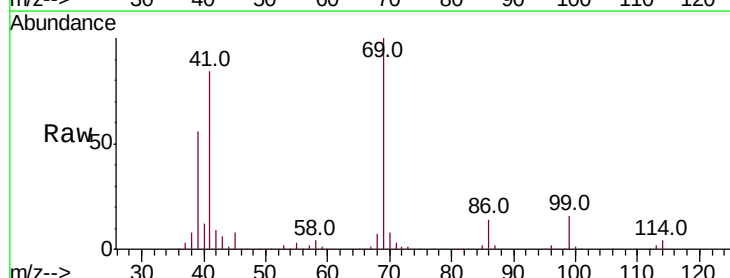


Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO

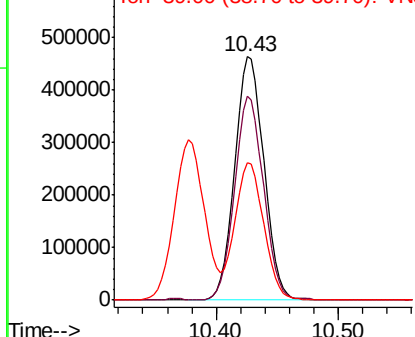
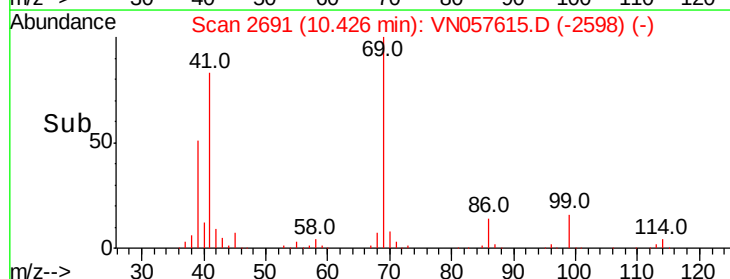


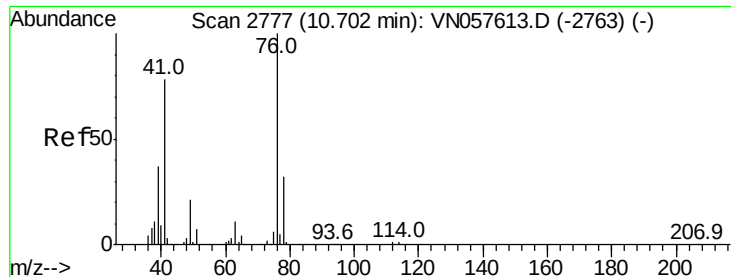
#56
Ethyl methacrylate
Concen: 193.873 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion: 69 Resp: 768542
Ion Ratio Lower Upper
69 100
41 82.4 65.8 98.6
39 55.6 43.8 65.8



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





#57

1,3-Dichloropropane

Concen: 184.249 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

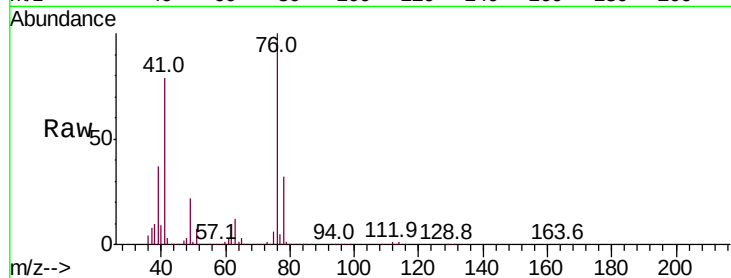
ClientSampled :

Tot Ion: 76 Resp: 809981

Ion Ratio Lower Upper

76 100

78 31.9 25.4 38.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

400000

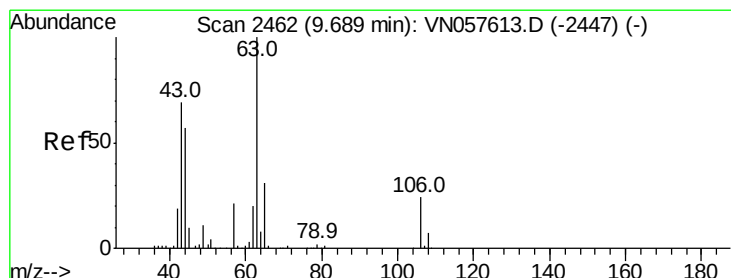
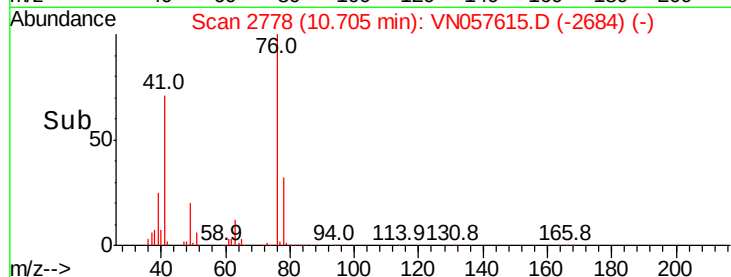
300000

200000

100000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 1226.360 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057615.D

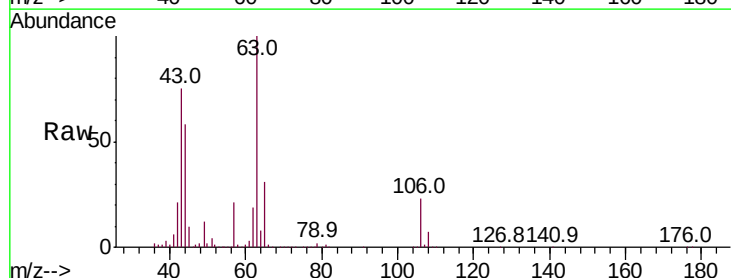
Acq: 31 Aug 2019 14:52

Tgt Ion: 63 Resp: 1180088

Ion Ratio Lower Upper

63 100

106 23.3 18.3 27.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

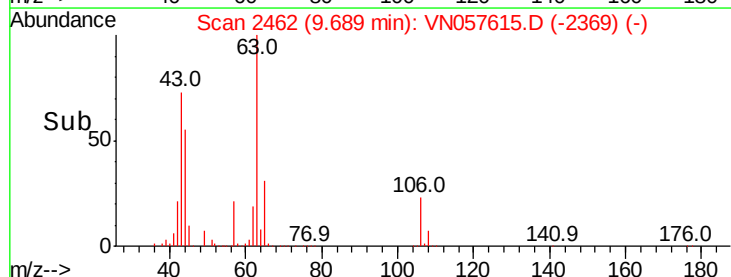
600000

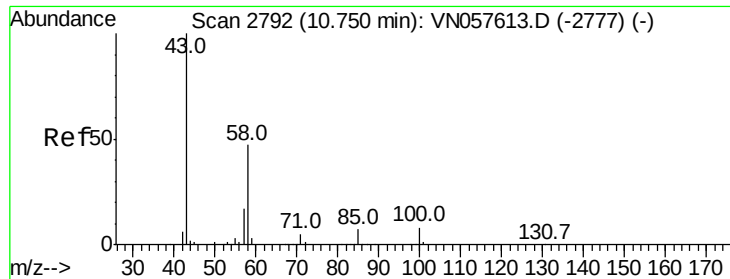
400000

200000

0

Time--> 9.60 9.65 9.70 9.75 9.80

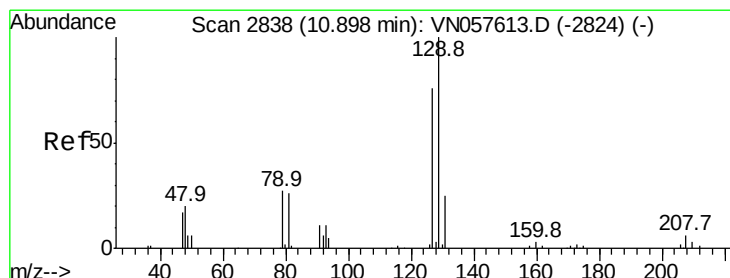
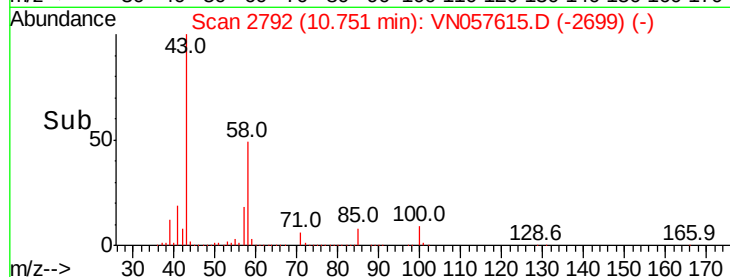
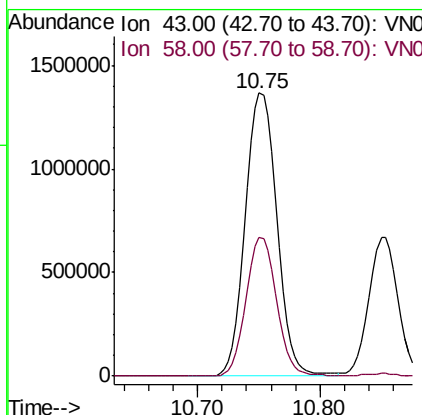
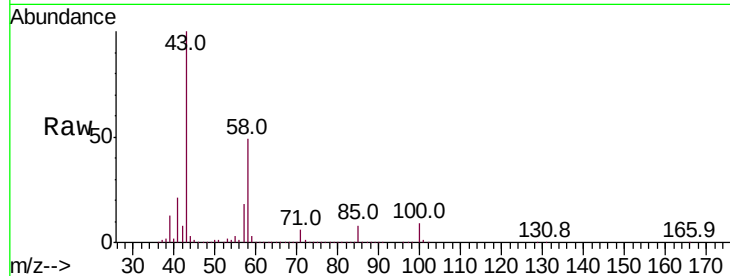




#59
2-Hexanone
Concen: 963.046 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

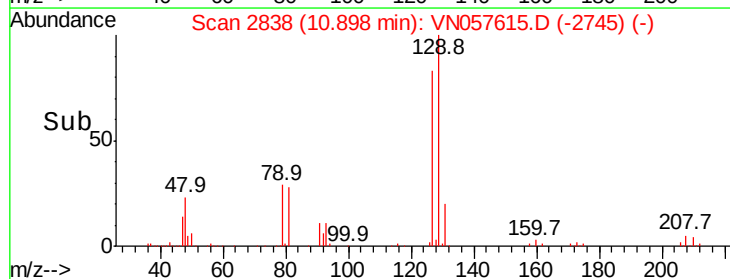
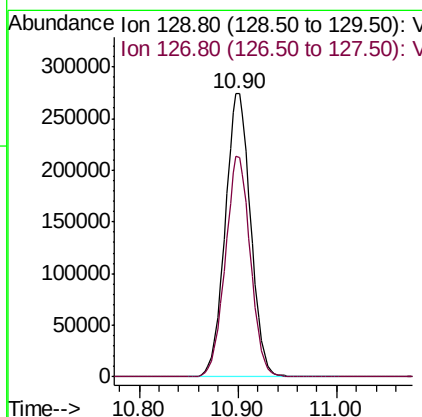
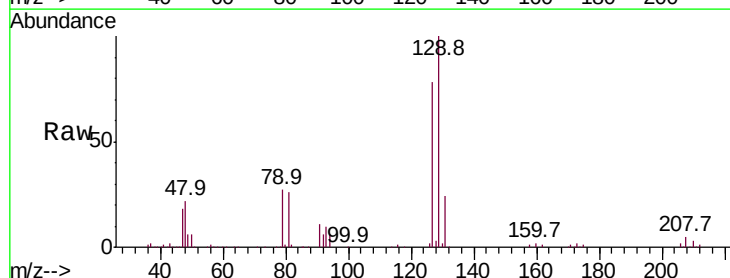
Instrument :
MSVOA_N
ClientSampleId :

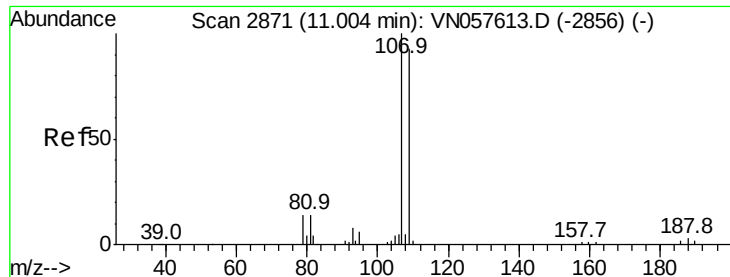
Tot Ion: 43 Resp: 2436351
Ion Ratio Lower Upper
43 100
58 47.3 23.5 70.5



#60
Dibromochloromethane
Concen: 189.331 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion: 129 Resp: 495558
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





#61

1,2-Dibromoethane

Concen: 188.047 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

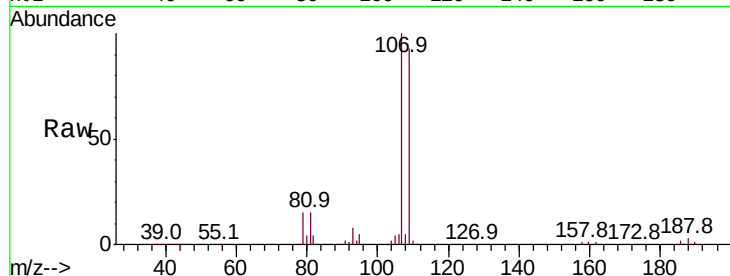
ClientSampleId :

Tot Ion:107 Resp: 461858

Ion Ratio Lower Upper

107 100

109 92.8 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

250000

200000

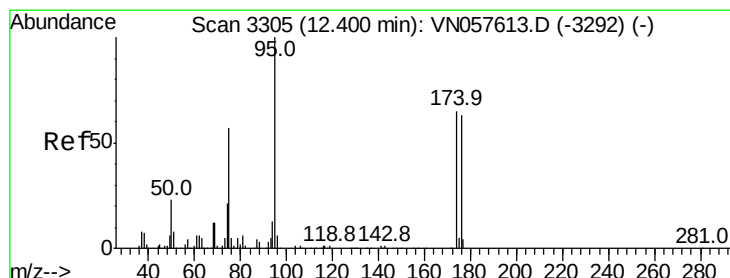
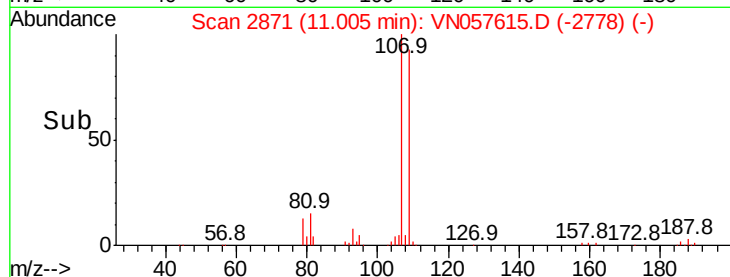
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 211.990 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

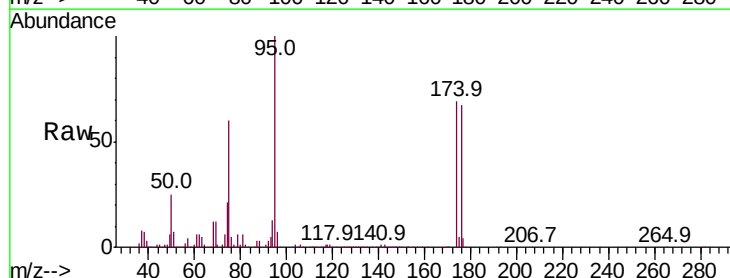
Tgt Ion: 95 Resp: 663446

Ion Ratio Lower Upper

95 100

174 68.7 0.0 134.8

176 66.4 0.0 131.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

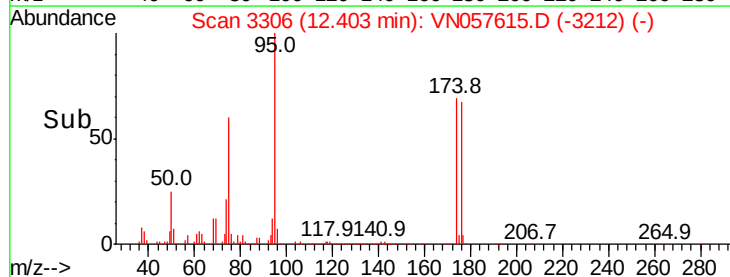
300000

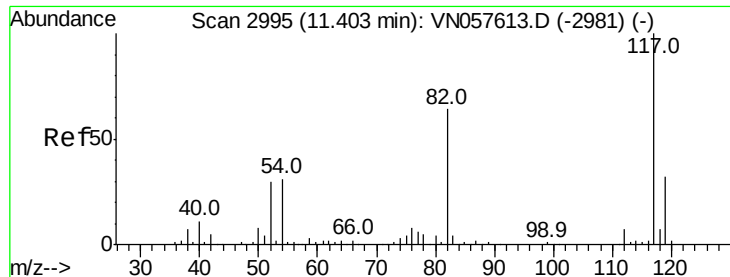
200000

100000

0

Time--> 12.30 12.40 12.50

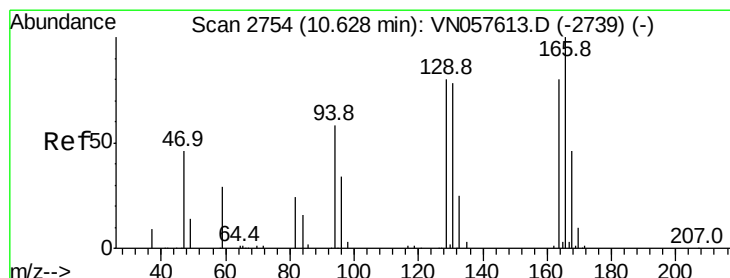
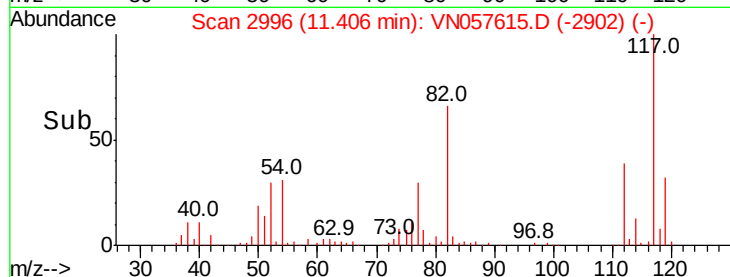
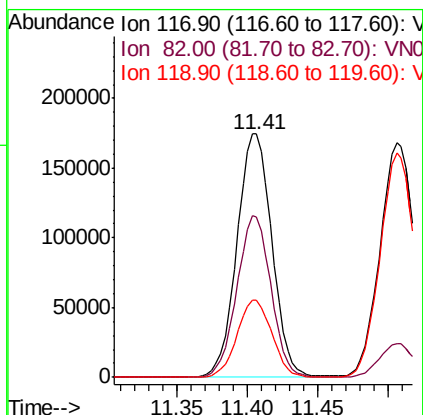
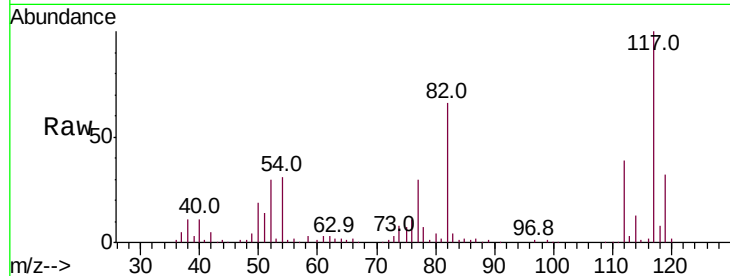




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

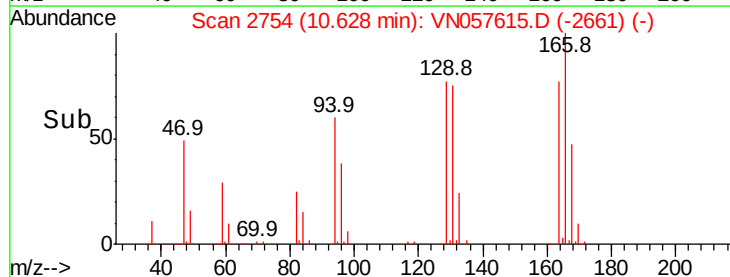
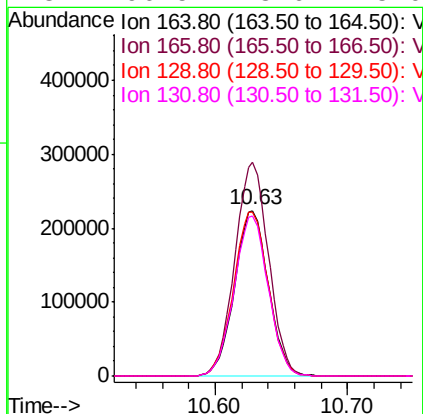
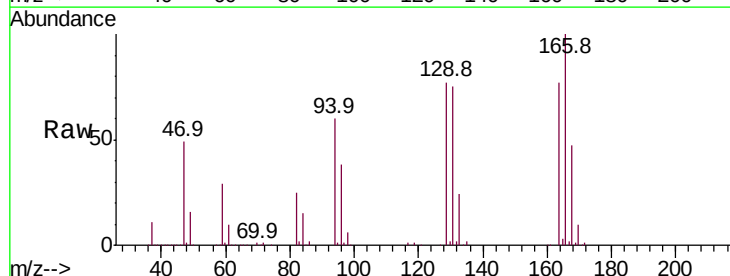
Instrument :
MSVOA_N
ClientSampleId :

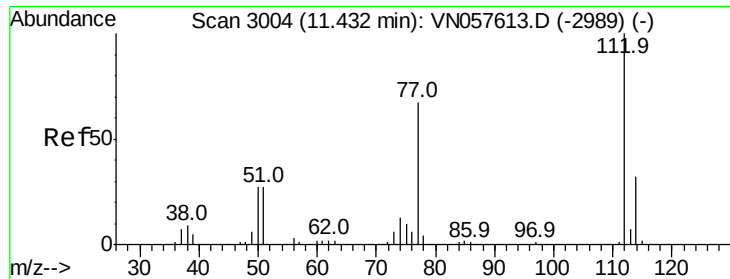
Tot Ion:117 Resp: 303834
Ion Ratio Lower Upper
117 100
82 65.8 51.6 77.4
119 31.5 25.8 38.6



#64
Tetrachloroethene
Concen: 175.850 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion:164 Resp: 396139
Ion Ratio Lower Upper
164 100
166 129.0 100.6 151.0
129 99.1 80.4 120.6
131 96.5 78.6 118.0

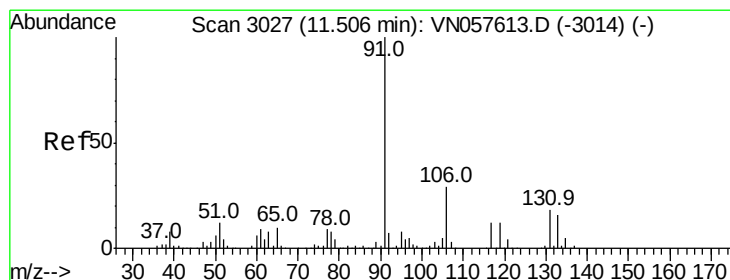
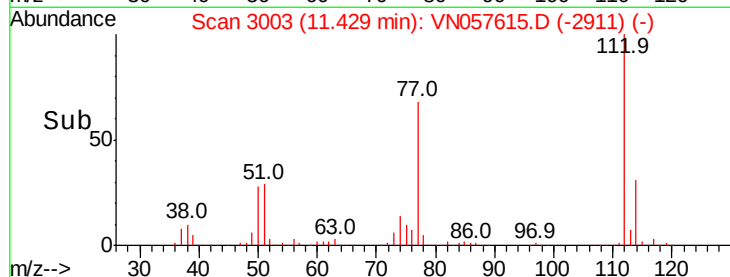
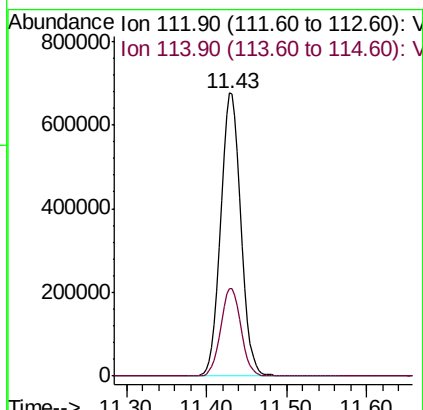
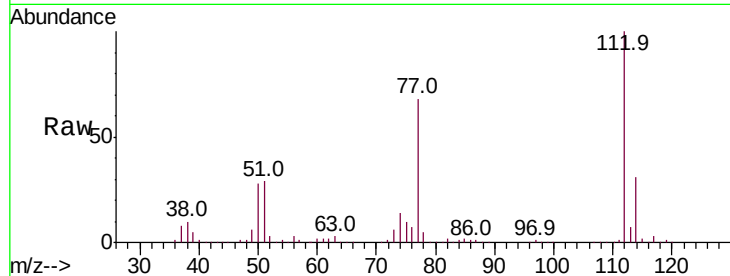




#65
Chlorobenzene
Concen: 182.106 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

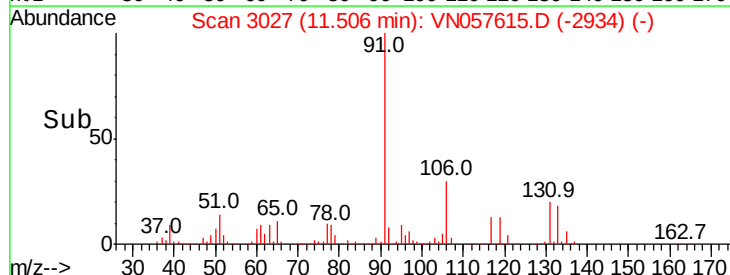
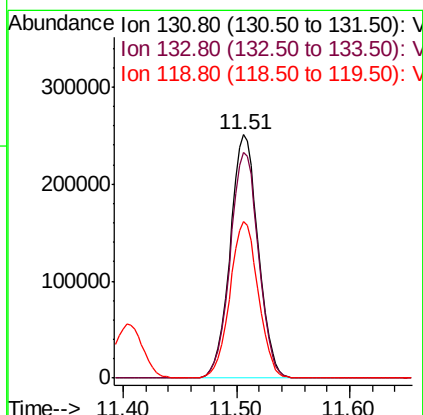
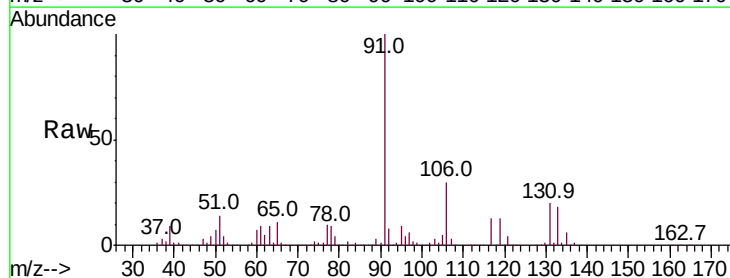
Instrument :
MSVOA_N
ClientSampleId :

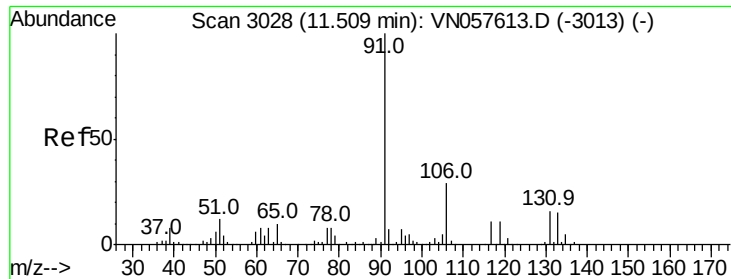
Tot Ion:112 Resp: 1182612
Ion Ratio Lower Upper
112 100
114 31.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 176.919 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion:131 Resp: 432075
Ion Ratio Lower Upper
131 100
133 93.5 47.8 143.4
119 64.7 33.9 101.6

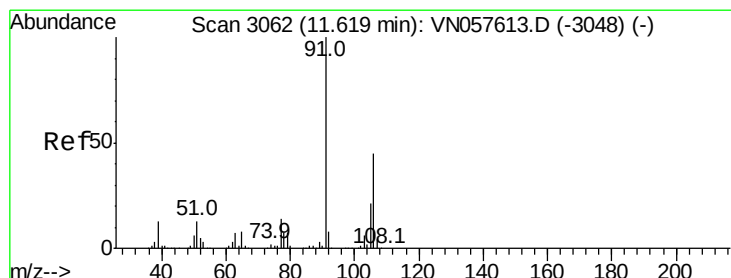
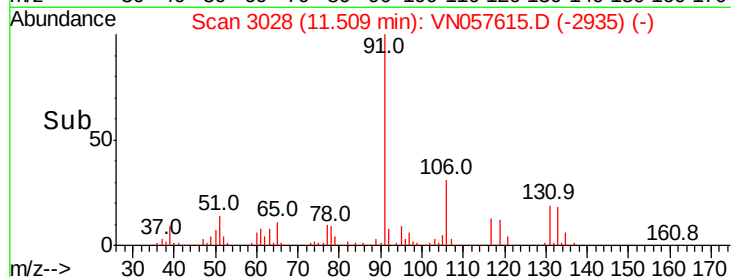
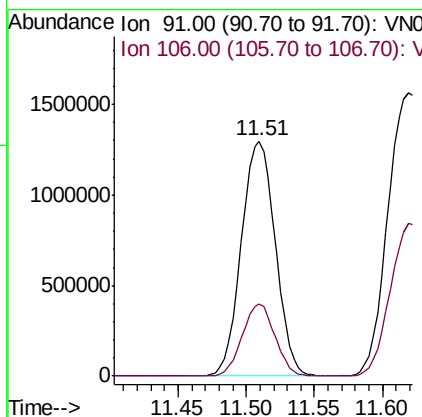
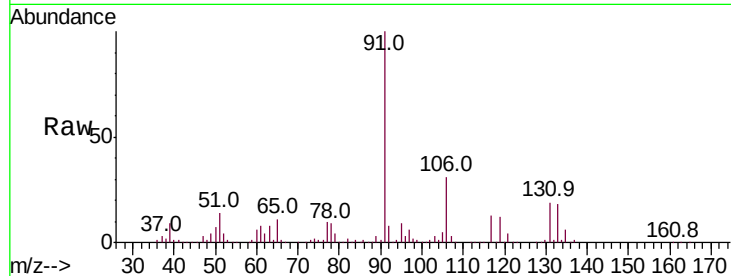




#67
Ethyl Benzene
Concen: 179.034 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

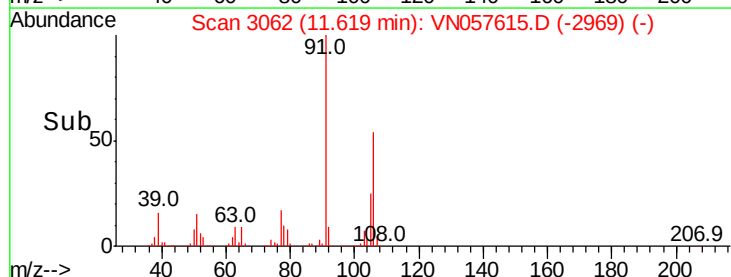
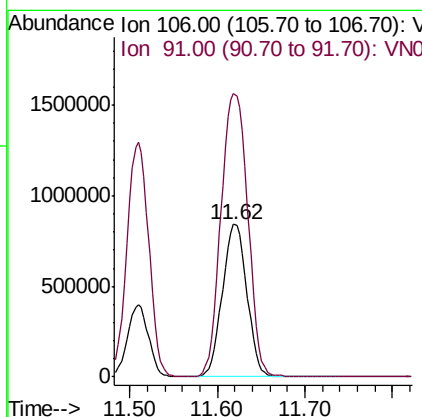
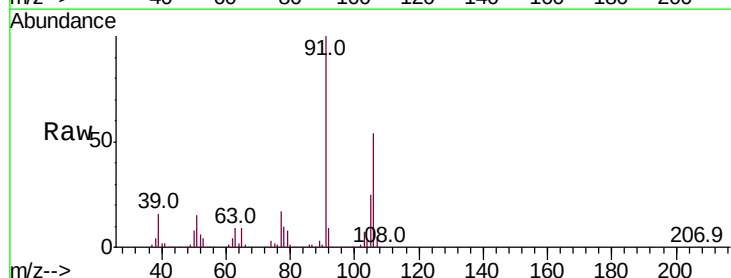
Instrument :
MSVOA_N
ClientSampleId :

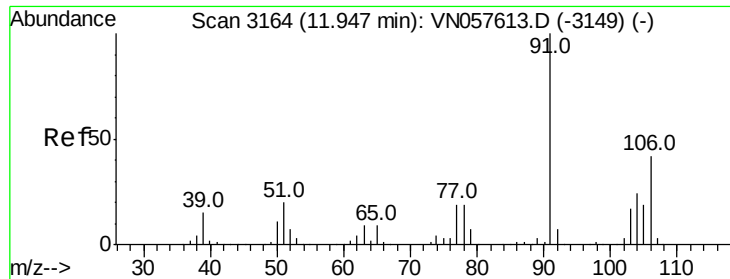
Tot Ion: 91 Resp: 2254014
Ion Ratio Lower Upper
91 100
106 31.0 22.9 34.3



#68
m/p-Xylenes
Concen: 383.996 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion:106 Resp: 1643527
Ion Ratio Lower Upper
106 100
91 202.8 176.2 264.2

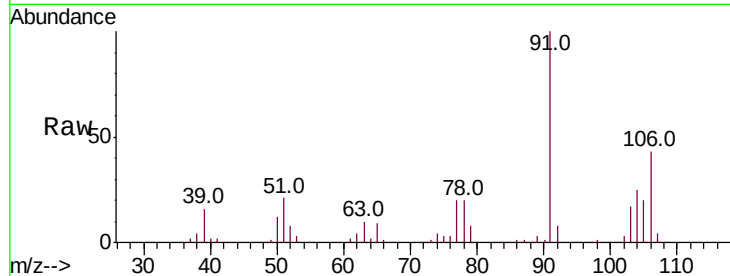




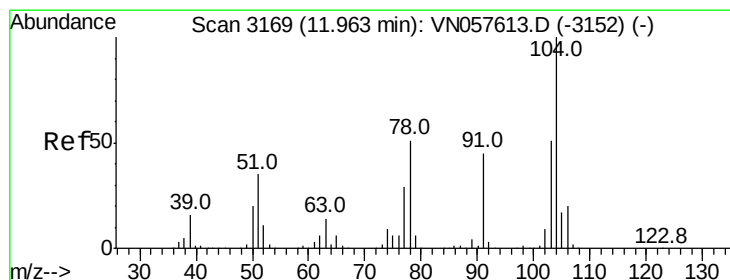
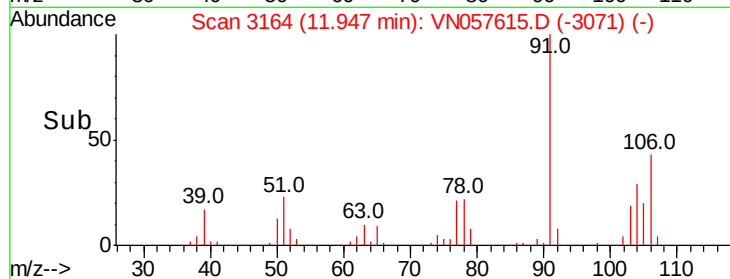
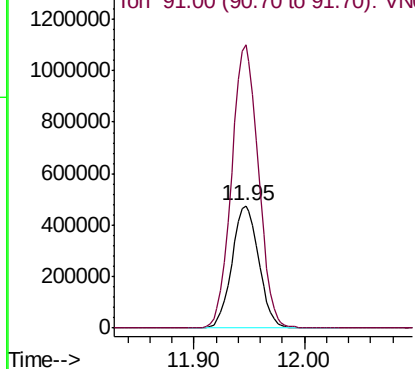
#69
o-Xylene
Concen: 189.203 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 799073
Ion Ratio Lower Upper
106 100
91 232.2 117.3 351.8

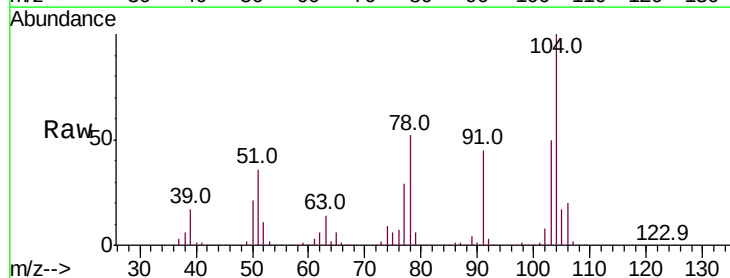


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

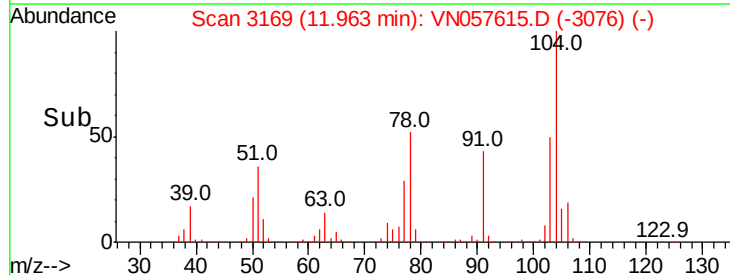
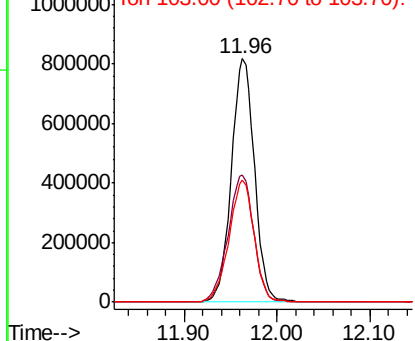


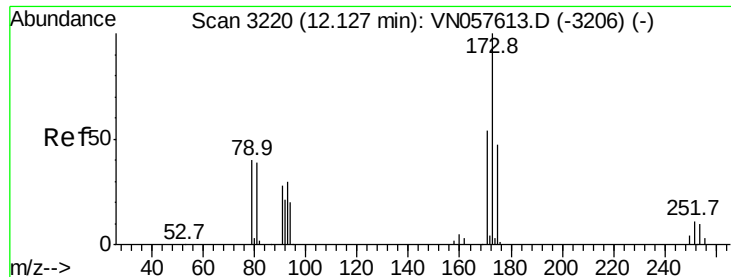
#70
Styrene
Concen: 209.517 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion:104 Resp: 1412084
Ion Ratio Lower Upper
104 100
78 58.5 46.6 70.0
103 54.4 44.7 67.1



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

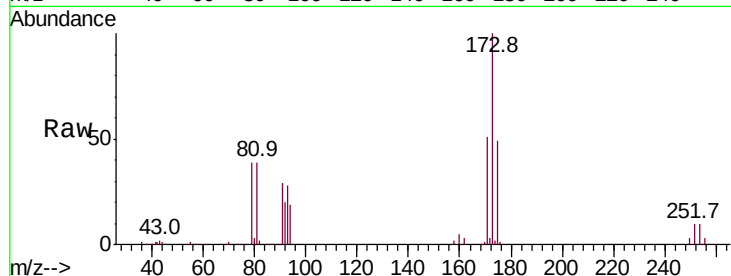




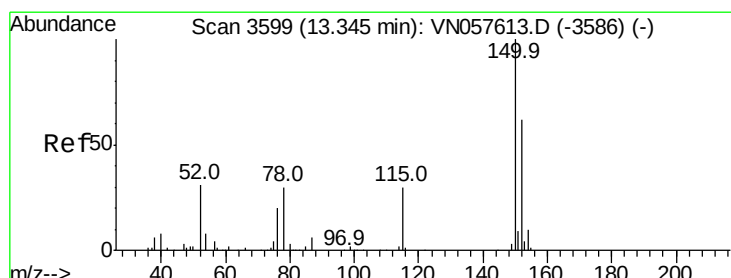
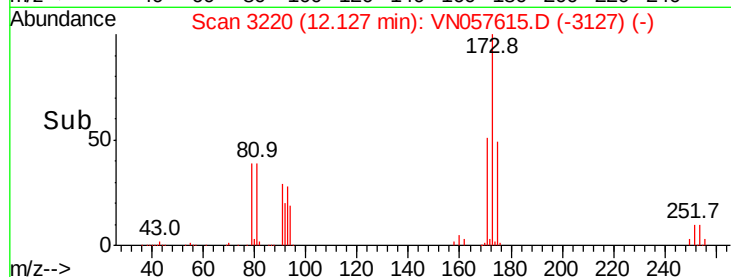
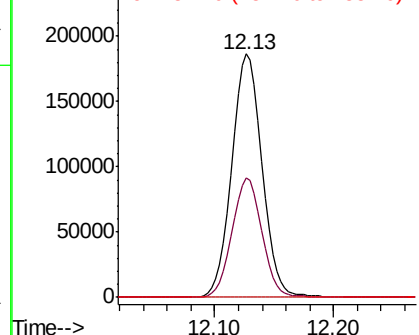
#71
Bromoform
Concen: 201.446 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 328846
Ion Ratio Lower Upper
173 100
175 48.3 24.4 73.4
254 0.1 0.0 0.0#

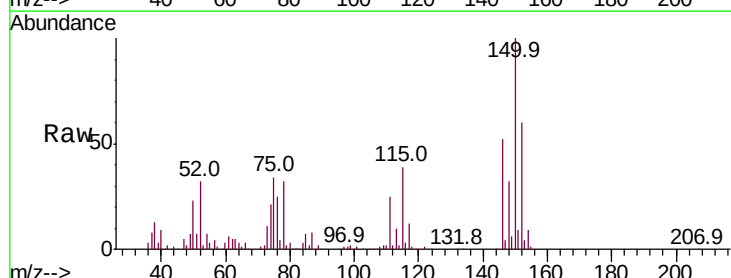


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

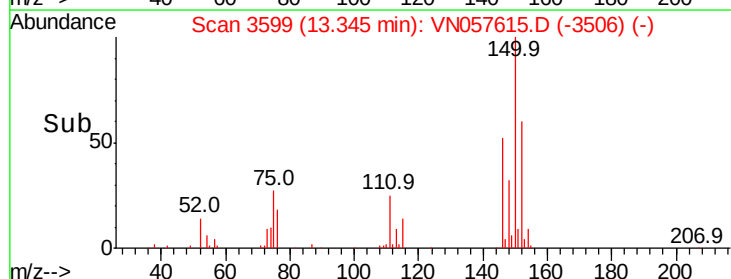
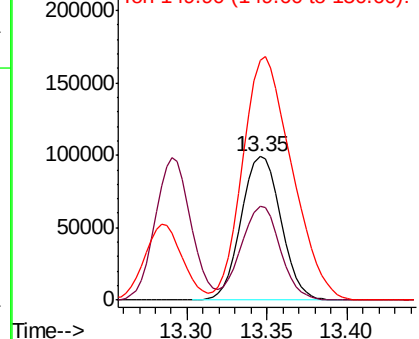


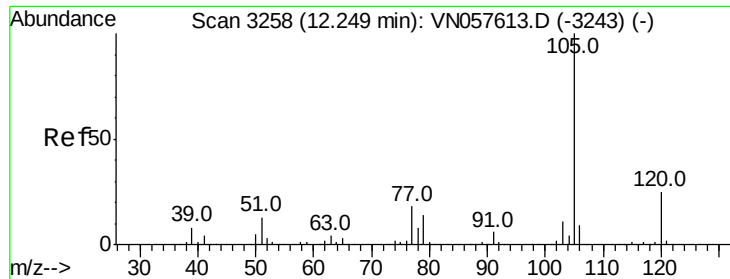
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion:152 Resp: 168630
Ion Ratio Lower Upper
152 100
115 64.1 33.2 99.6
150 210.4 0.0 365.2



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





#73

Isopropylbenzene

Concen: 113.924 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

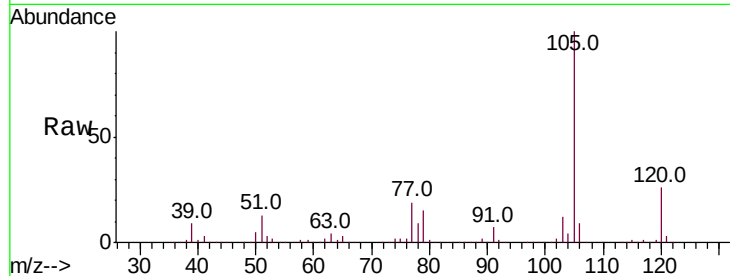
ClientSampled :

Tot Ion:105 Resp: 2200948

Ion Ratio Lower Upper

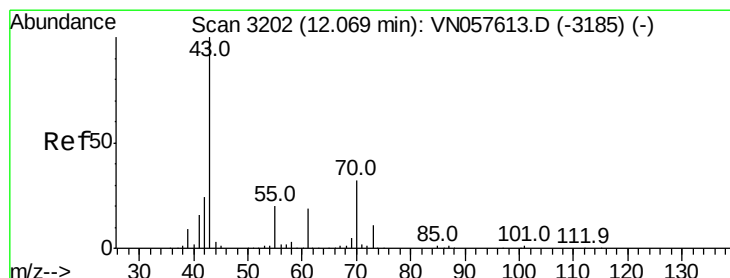
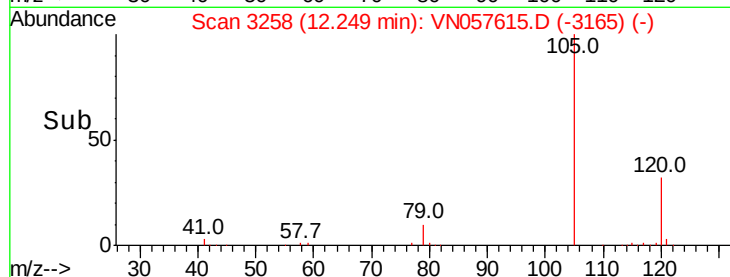
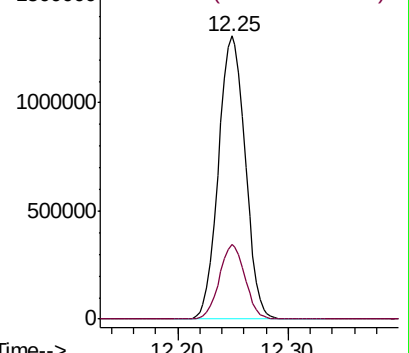
105 100

120 25.3 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 127.007 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Tgt Ion: 43 Resp: 1126613

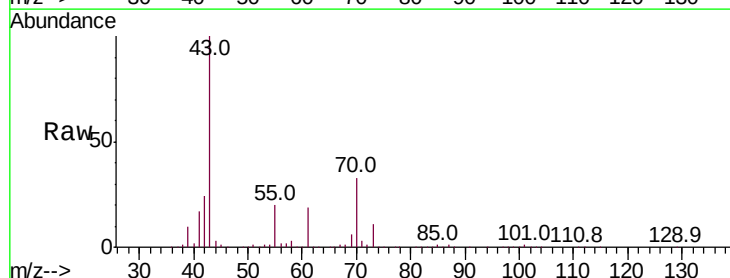
Ion Ratio Lower Upper

43 100

70 32.8 26.9 40.3

55 20.2 16.8 25.2

61 19.4 15.1 22.7

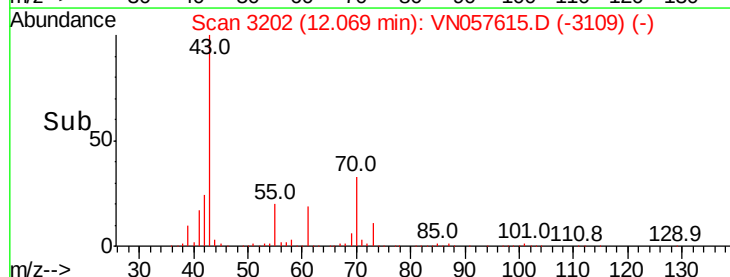
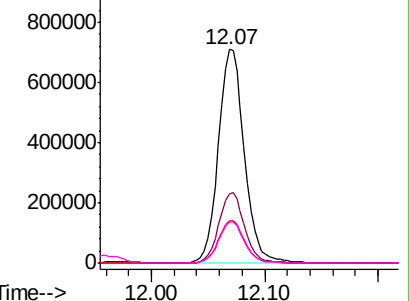


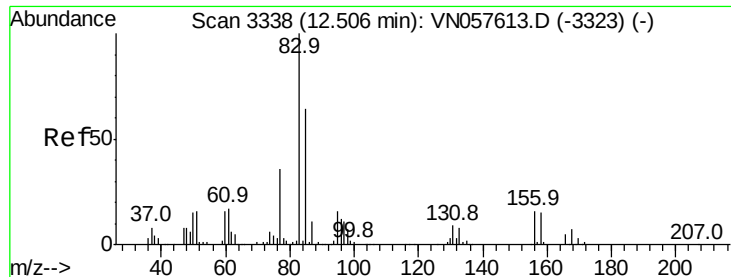
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 114.356 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampled :

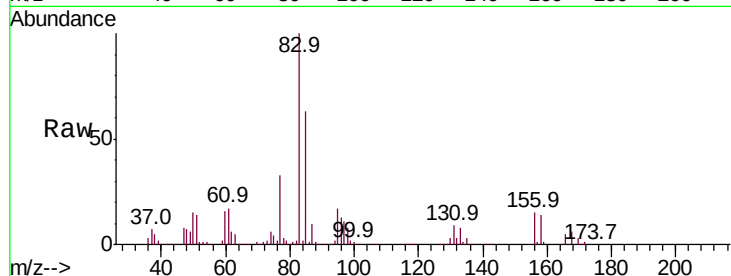
Tot Ion: 83 Resp: 648267

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.7

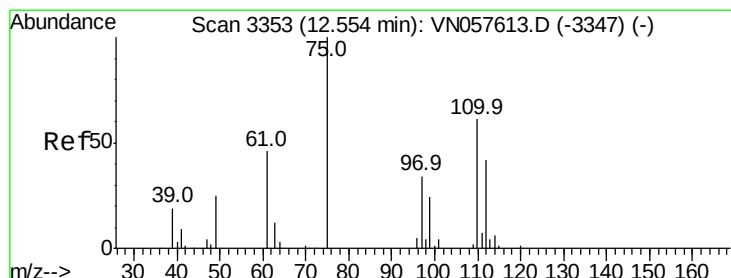
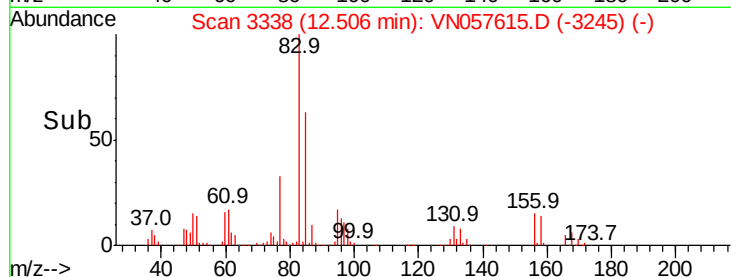
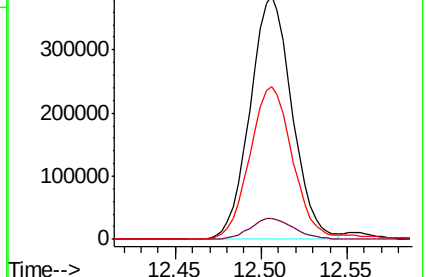
85 65.4 31.3 93.8



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 197.876 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057615.D

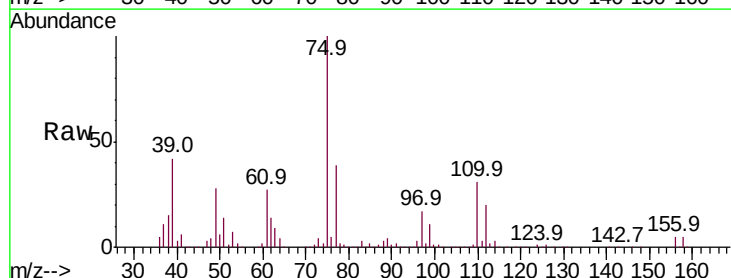
Acq: 31 Aug 2019 14:52

Tgt Ion: 75 Resp: 876534

Ion Ratio Lower Upper

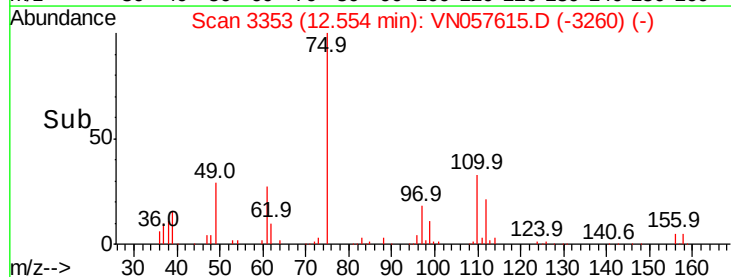
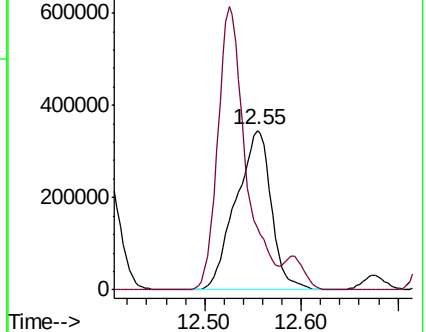
75 100

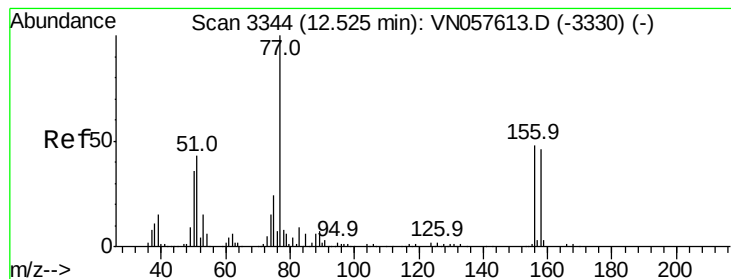
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 129.599 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

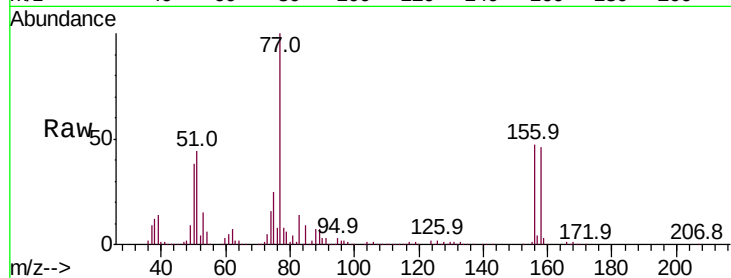
Tot Ion:156 Resp: 501083

Ion Ratio Lower Upper

156 100

77 245.8 123.5 370.5

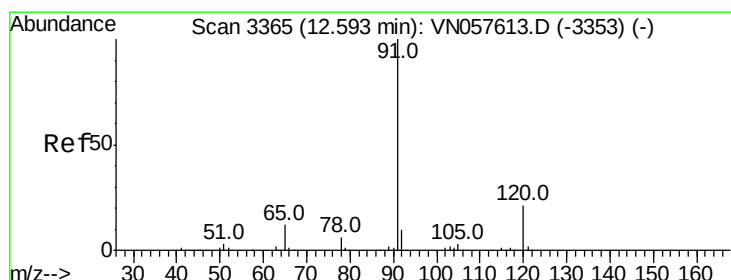
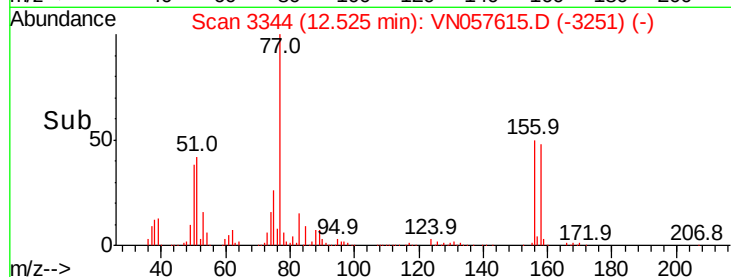
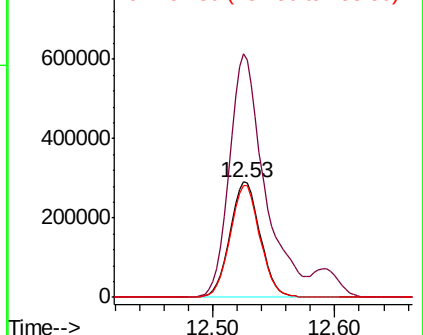
158 96.4 47.8 143.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 123.754 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057615.D

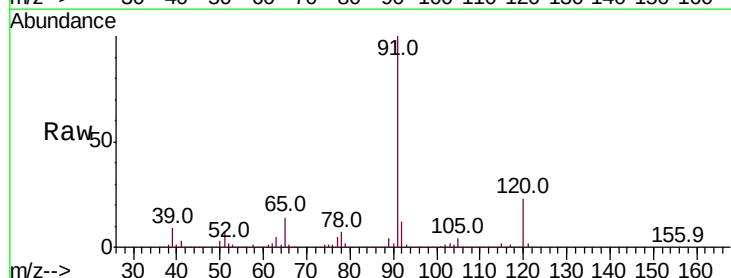
Acq: 31 Aug 2019 14:52

Tgt Ion: 91 Resp: 2543101

Ion Ratio Lower Upper

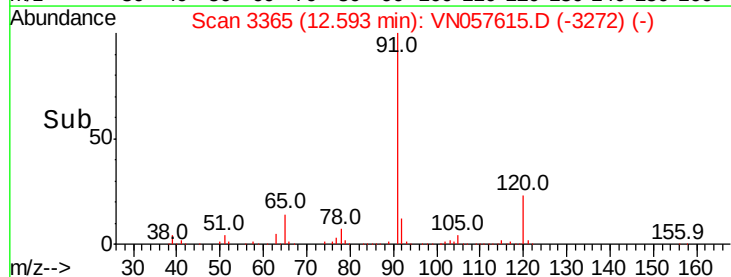
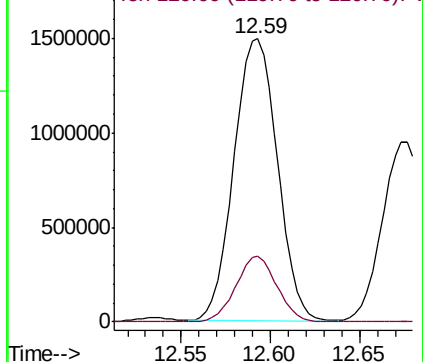
91 100

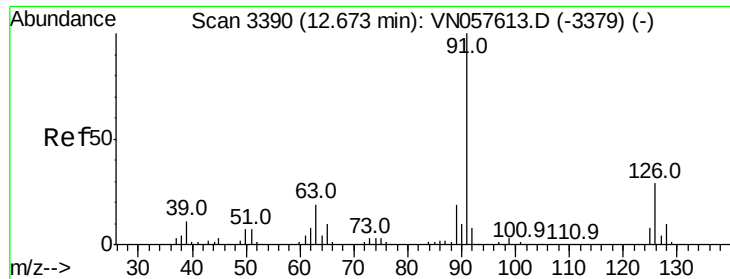
120 21.9 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

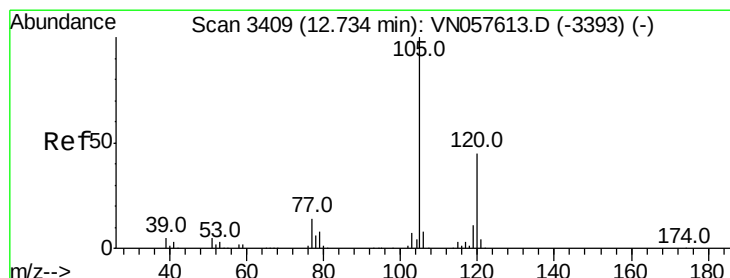
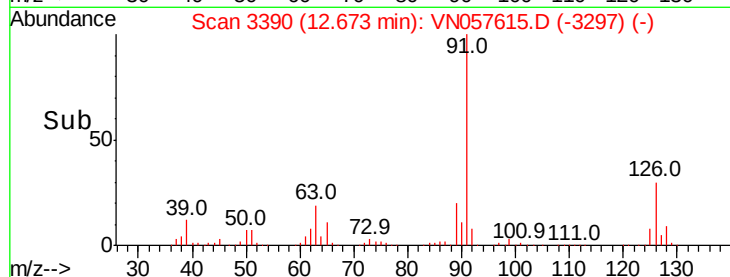
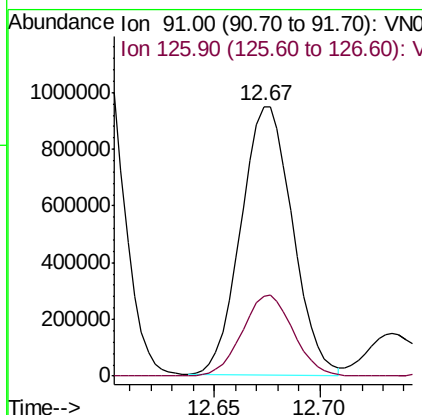
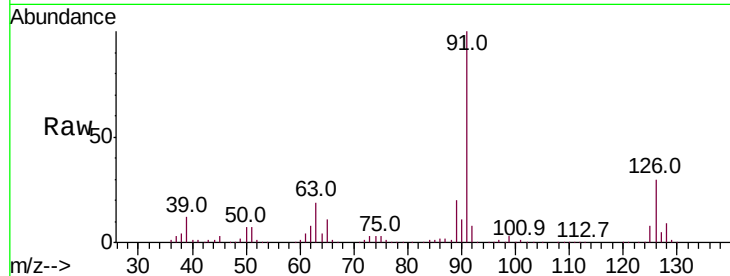




#79
 2-Chlorotoluene
 Concen: 130.718 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

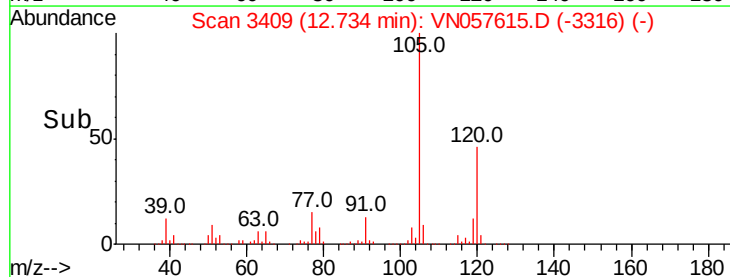
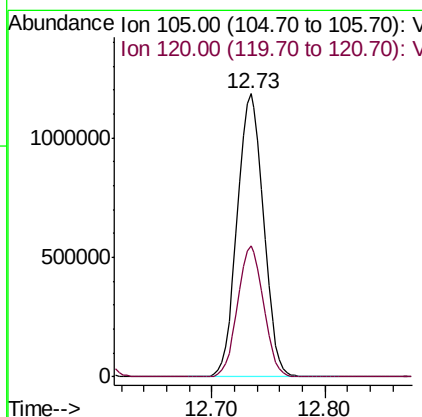
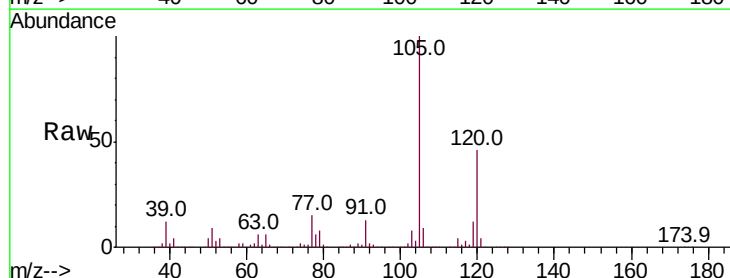
Instrument :
 MSVOA_N
 ClientSampleId :

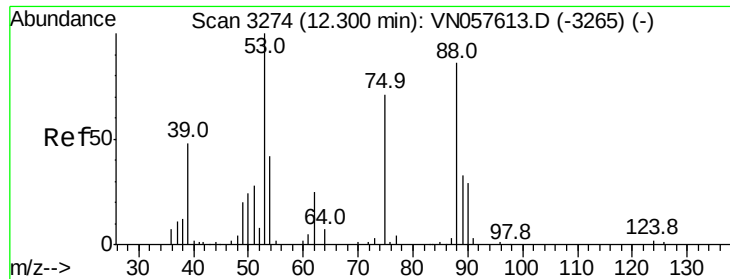
Tot Ion: 91 Resp: 1610304
 Ion Ratio Lower Upper
 91 100
 126 30.1 14.9 44.5



#80
 1,3,5-Trimethylbenzene
 Concen: 126.082 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion:105 Resp: 1925124
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.6 67.8





#81

trans-1,4-Dichloro-2-butene

Concen: 127.046 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

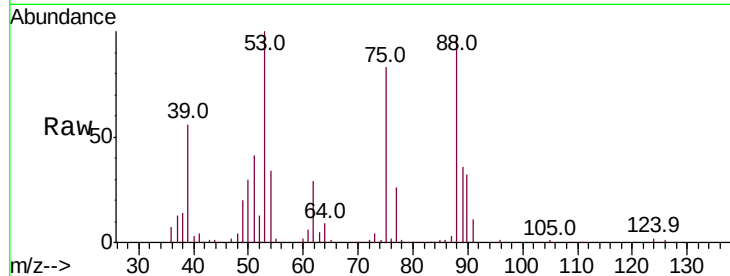
Tot Ion: 75 Resp: 209159

Ion Ratio Lower Upper

75 100

53 124.2 111.0 166.6

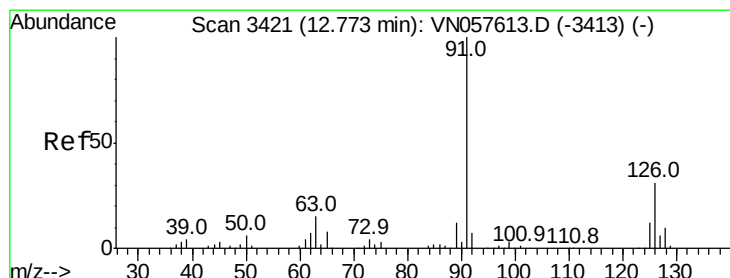
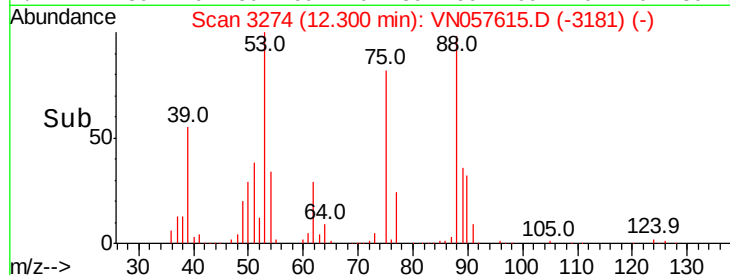
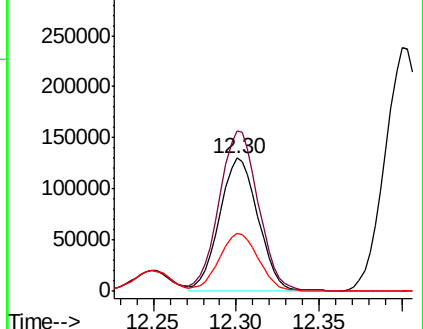
89 45.0 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 141.960 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057615.D

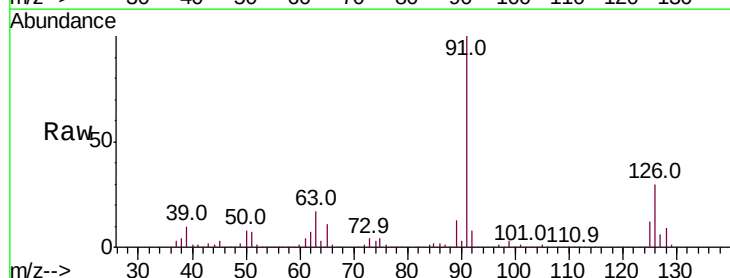
Acq: 31 Aug 2019 14:52

Tgt Ion: 91 Resp: 1668322

Ion Ratio Lower Upper

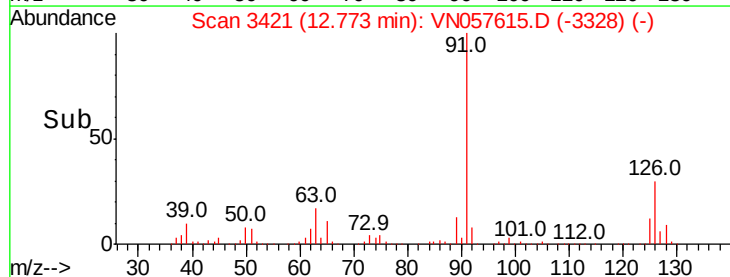
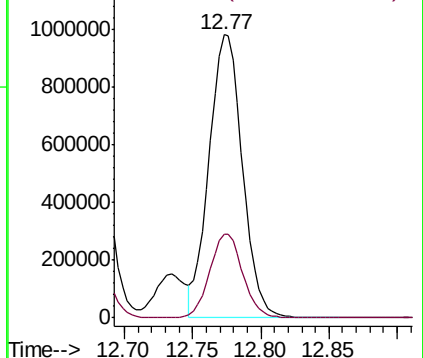
91 100

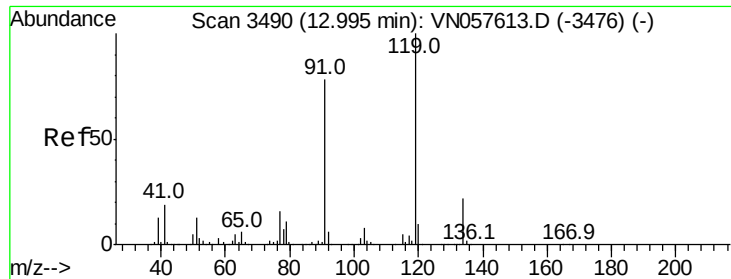
126 29.3 14.4 43.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

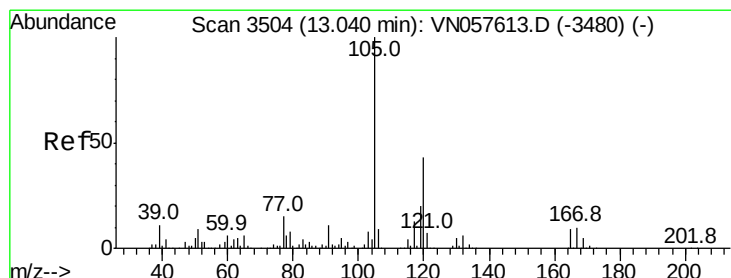
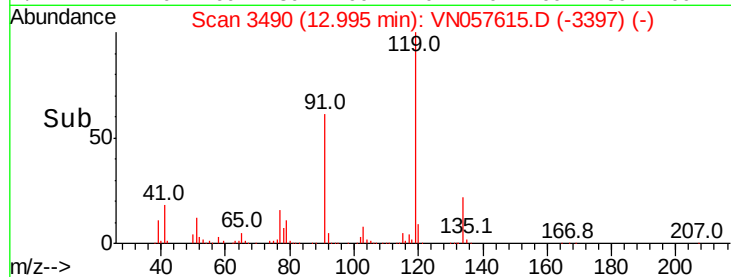
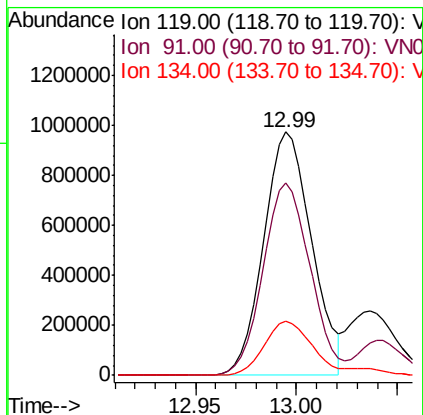
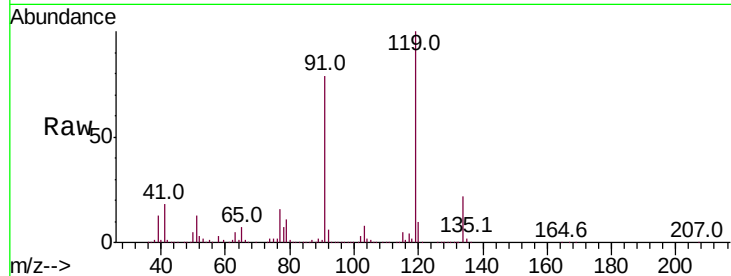




#83
 tert-Butylbenzene
 Concen: 118.916 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

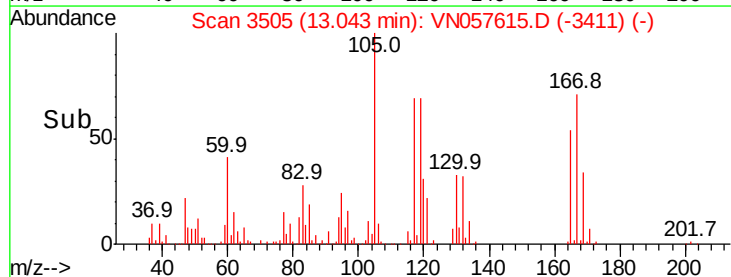
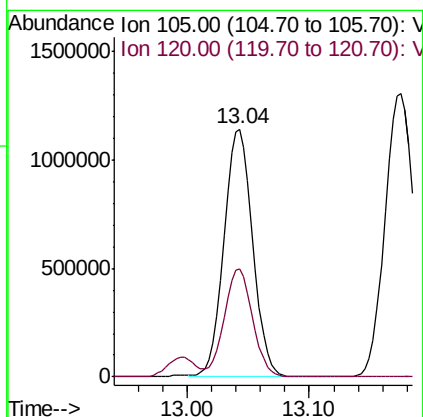
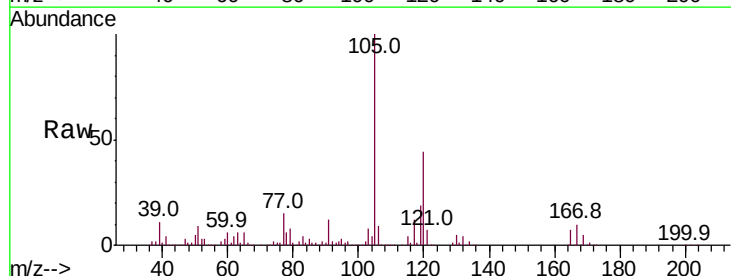
Instrument :
 MSVOA_N
 ClientSampleId :

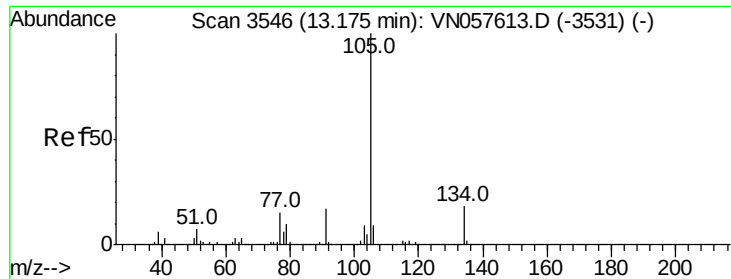
Tot Ion:119 Resp: 1611157
 Ion Ratio Lower Upper
 119 100
 91 77.6 38.3 114.9
 134 22.4 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 139.128 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion:105 Resp: 1882751
 Ion Ratio Lower Upper
 105 100
 120 42.9 20.8 62.5





#85

sec-Butylbenzene

Concen: 131.482 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

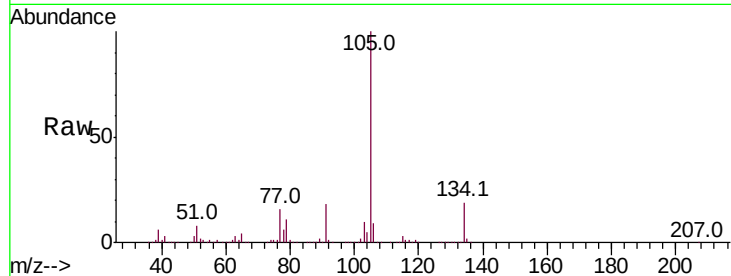
ClientSampled :

Tot Ion:105 Resp: 2188921

Ion Ratio Lower Upper

105 100

134 18.3 8.9 26.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

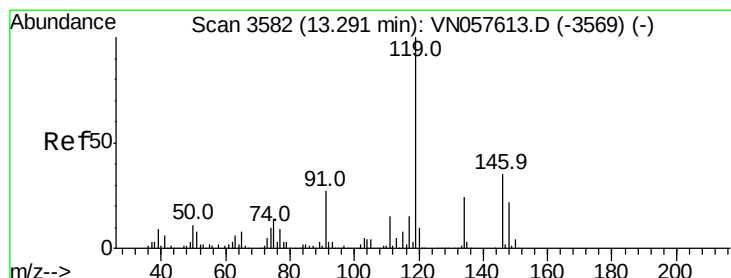
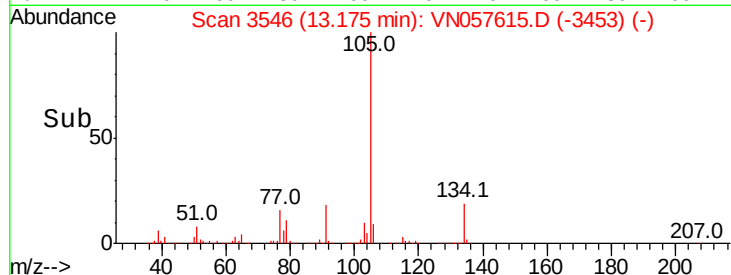
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 141.328 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

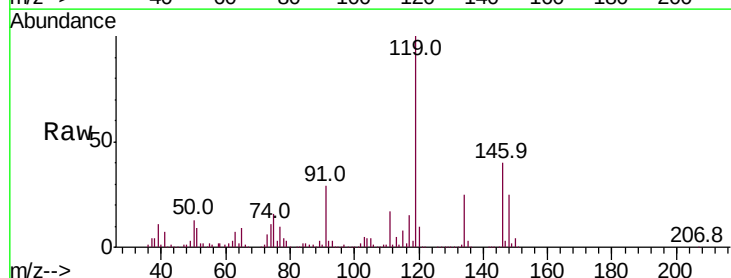
Tgt Ion:119 Resp: 1917059

Ion Ratio Lower Upper

119 100

134 24.7 11.9 35.5

91 28.6 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

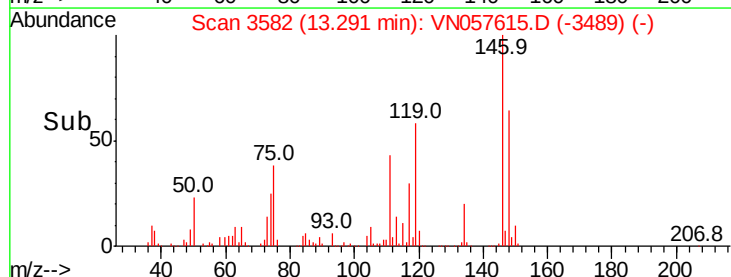
1500000

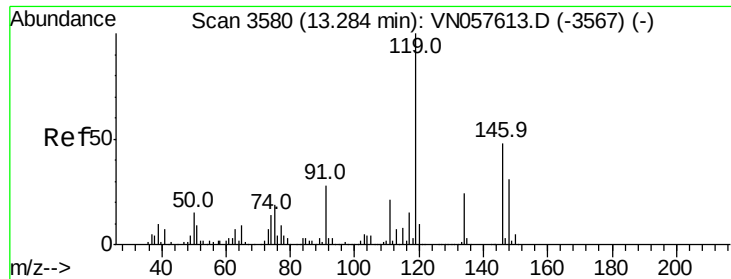
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 159.232 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

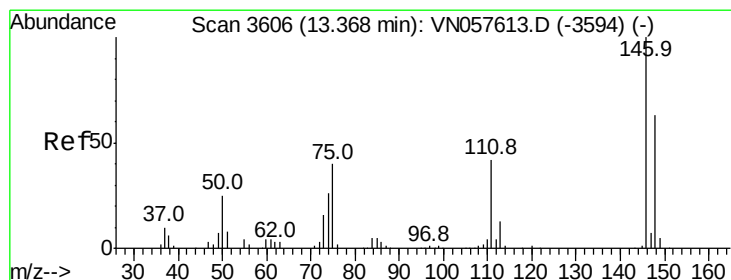
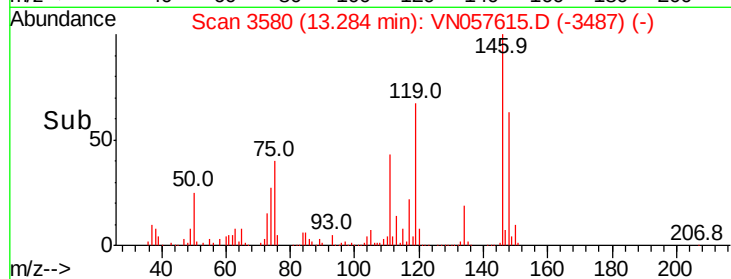
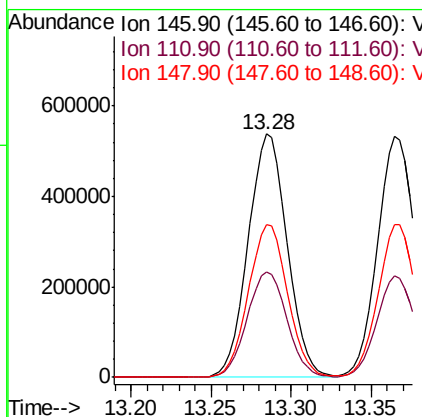
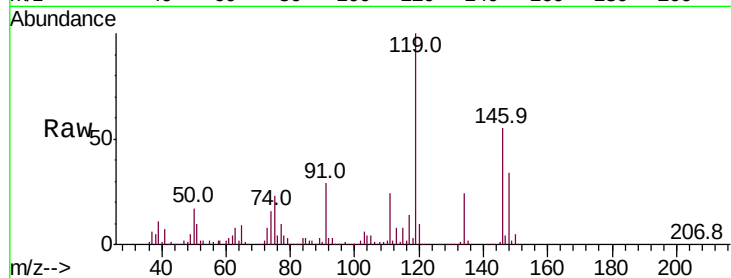
Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:146 Resp: 899015

Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.8	65.3
148	63.1	31.4	94.2



#88

1,4-Dichlorobenzene

Concen: 162.754 ug/l

RT: 13.36 min Scan# 3605

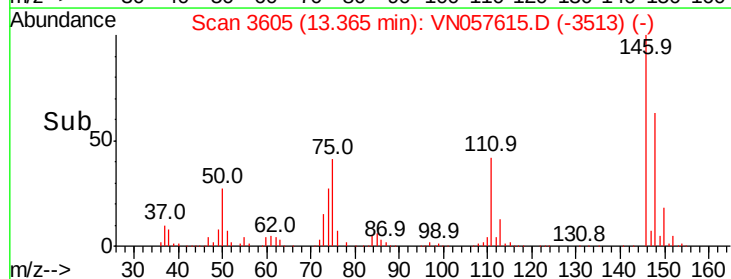
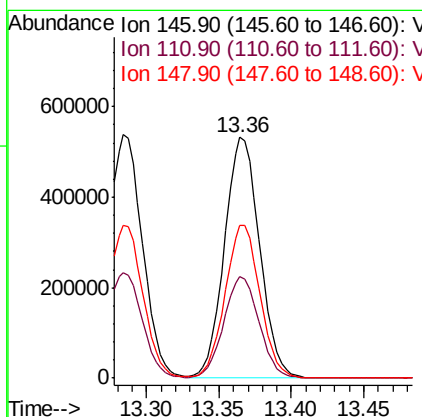
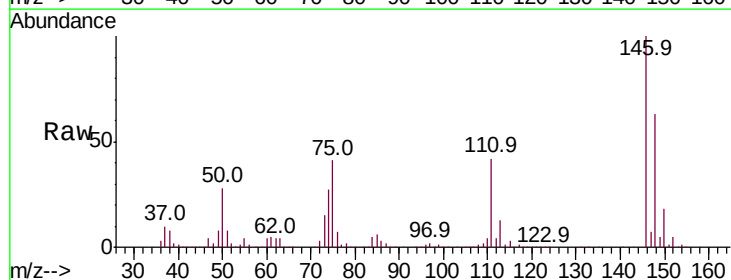
Delta R.T. -0.00 min

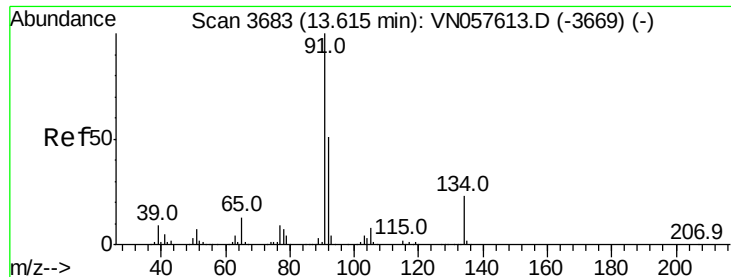
Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Tgt Ion:146 Resp: 893677

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	65.0
148	63.1	32.2	96.6





#89

n-Butylbenzene

Concen: 155.685 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057615.D

Acq: 31 Aug 2019 14:52

Instrument :

MSVOA_N

ClientSampleId :

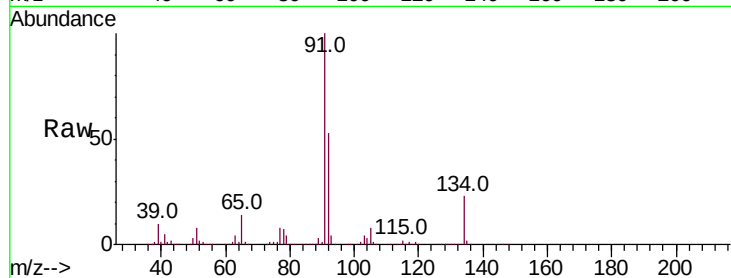
Tot Ion: 91 Resp: 1794552

Ion	Ratio	Lower	Upper
91	100		
92	51.5	25.4	76.0
134	22.5	11.0	33.0

91 100

92 51.5 25.4 76.0

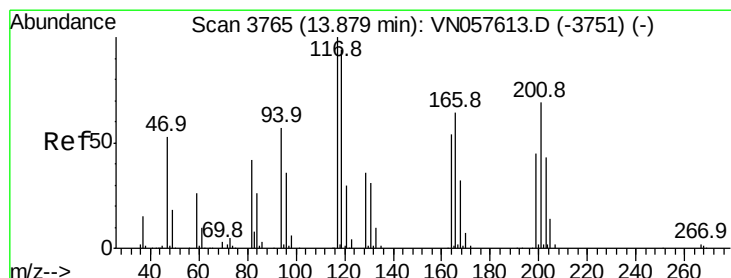
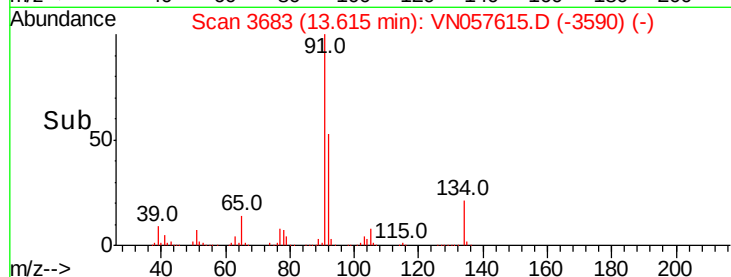
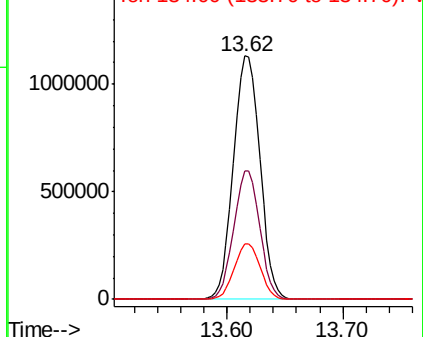
134 22.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN057615.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN057615.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN057615.D (-3669) (-)



#90

Hexachloroethane

Concen: 118.012 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN057615.D

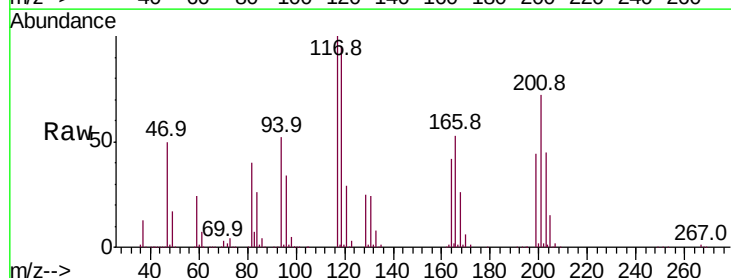
Acq: 31 Aug 2019 14:52

Tgt Ion: 117 Resp: 358987

Ion	Ratio	Lower	Upper
117	100		
201	71.1	34.4	103.2

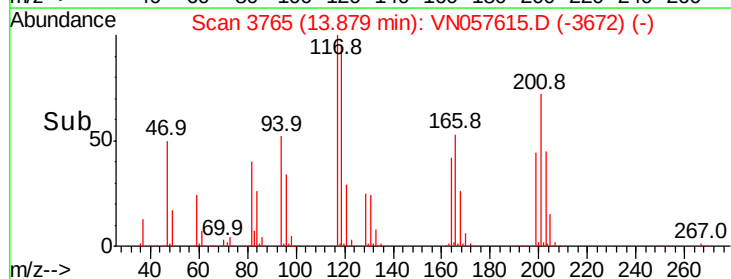
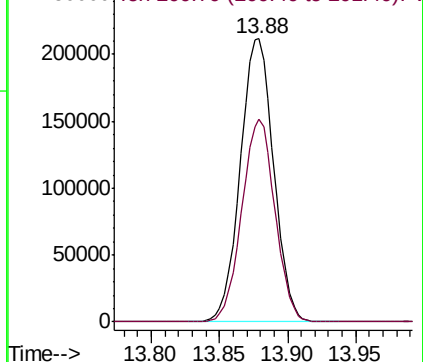
117 100

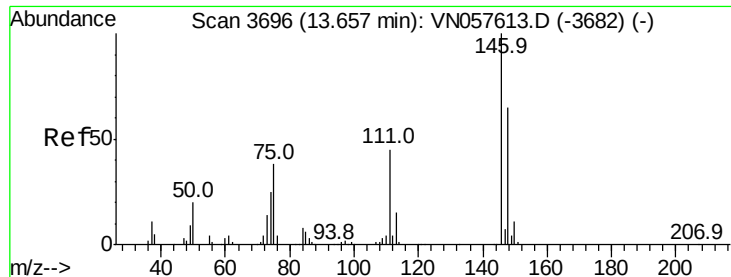
201 71.1 34.4 103.2



Abundance Ion 116.80 (116.50 to 117.50): VN057615.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057615.D (-3751) (-)

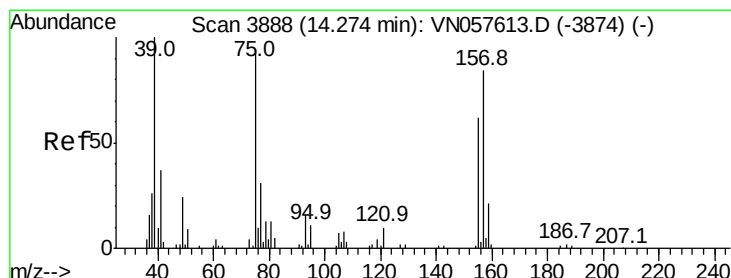
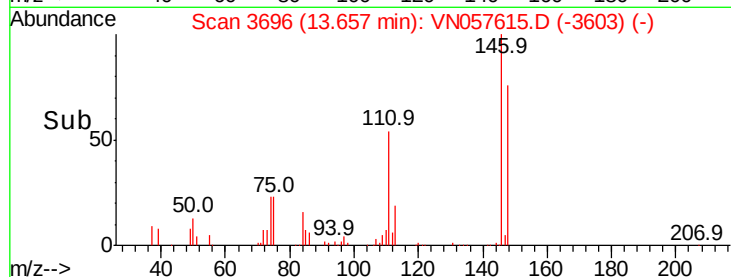
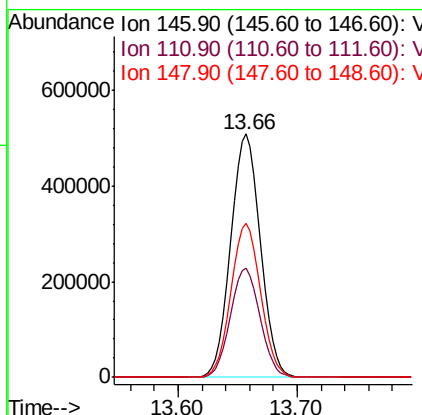
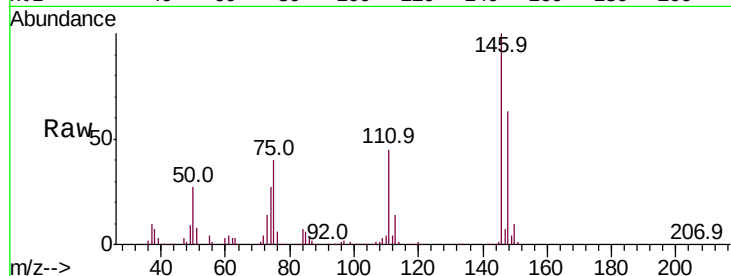




#91
 1,2-Dichlorobenzene
 Concen: 162.479 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

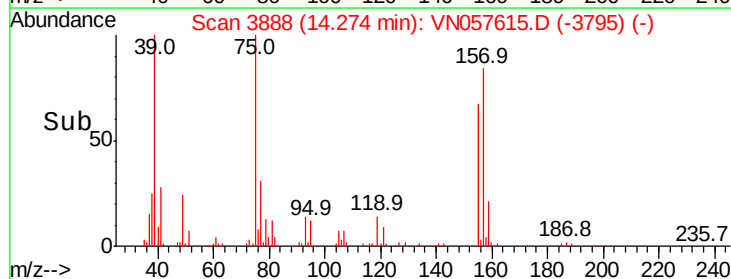
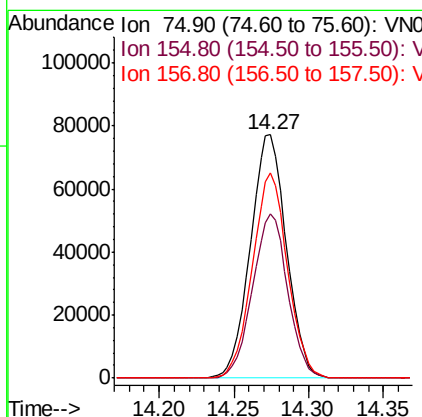
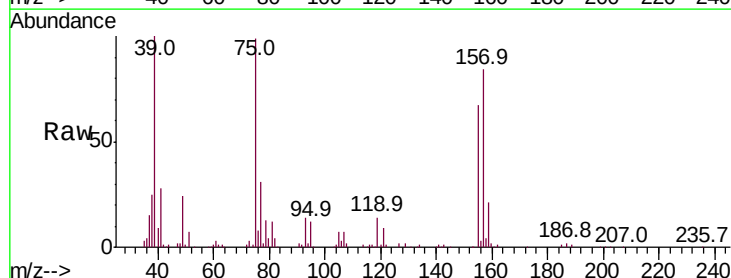
Instrument :
 MSVOA_N
 ClientSampleId :

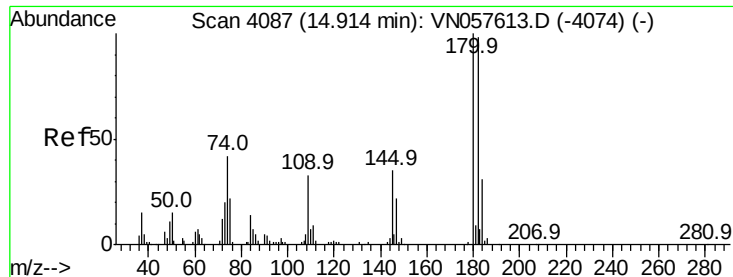
Tot Ion:146 Resp: 876888
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.1 66.5
 148 63.3 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 142.767 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion: 75 Resp: 129229
 Ion Ratio Lower Upper
 75 100
 155 65.6 30.1 90.5
 157 82.1 41.4 124.4

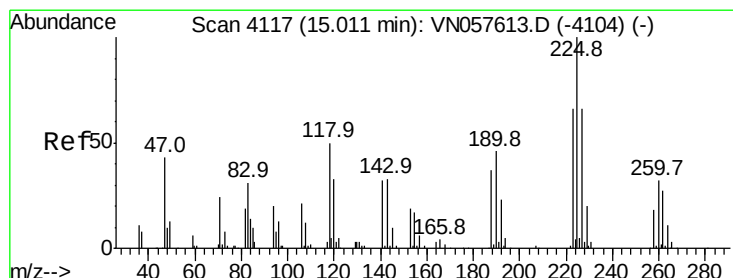
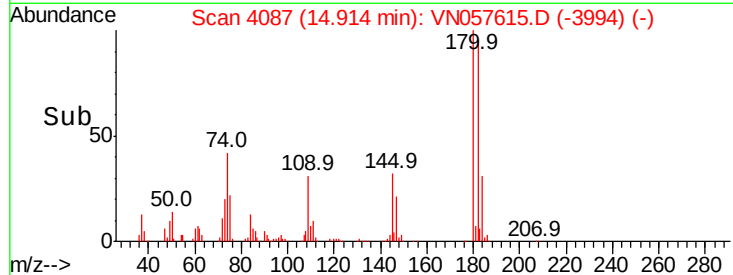
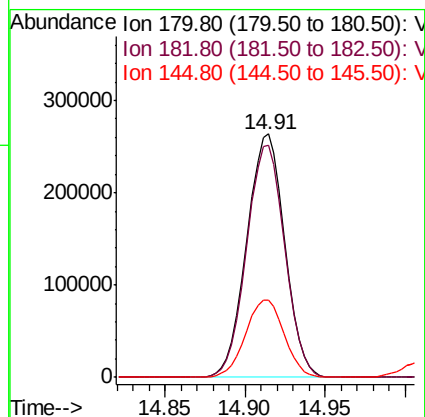
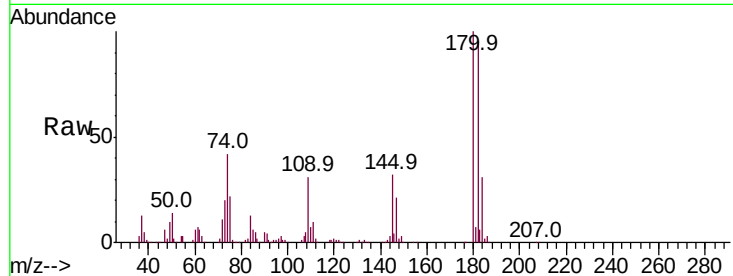




#93
 1,2,4-Trichlorobenzene
 Concen: 216.532 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

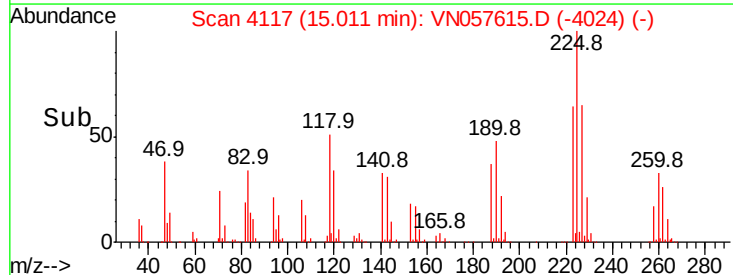
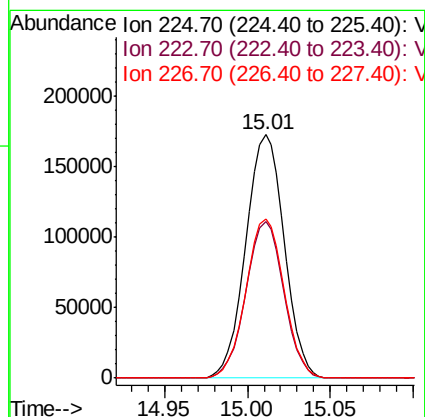
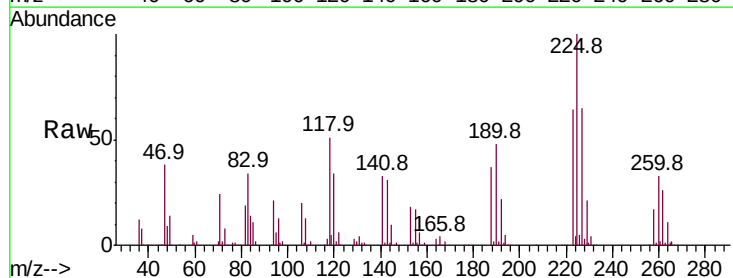
Instrument :
 MSVOA_N
 ClientSampleId :

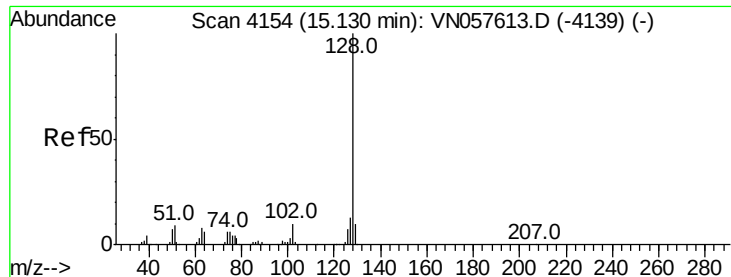
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.8	143.3
145	32.4	16.9	50.7



#94
 Hexachlorobutadiene
 Concen: 162.718 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057615.D
 Acq: 31 Aug 2019 14:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	32.3	96.8
227	64.9	32.4	97.2

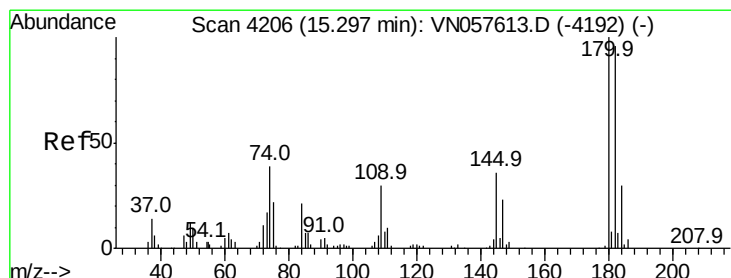
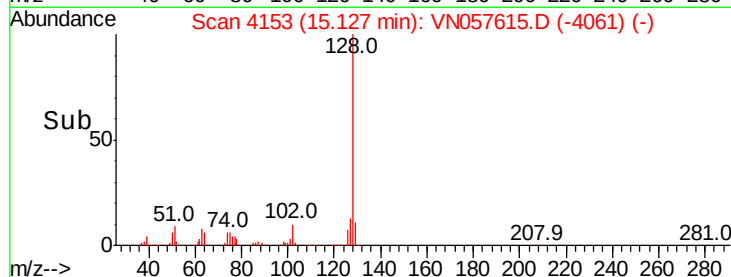
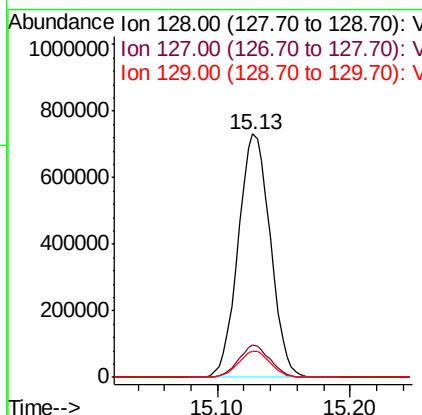
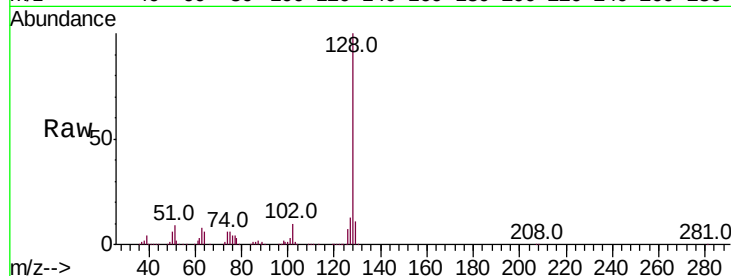




#95
Naphthalene
Concen: 189.502 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 1226245
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 204.332 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057615.D
Acq: 31 Aug 2019 14:52

Tgt Ion:180 Resp: 423463
Ion Ratio Lower Upper
180 100
182 95.2 46.3 138.9
145 34.4 17.8 53.3

