

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112719\
 Data File : VN059417.D
 Acq On : 27 Nov 2019 10:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 28 02:00:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	396714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	611772	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	547795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259473	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	214967	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	
35) Dibromofluoromethane	7.57	113	180846	48.53	ug/l	0.00
Spiked Amount			Recovery	=	97.06%	
50) Toluene-d8	10.08	98	699140	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	12.40	95	250834	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	174714	37.418	ug/l	99
3) Chloromethane	2.04	50	210586	36.922	ug/l	100
4) Vinyl Chloride	2.17	62	232184	42.363	ug/l	99
5) Bromomethane	2.55	94	127154	38.532	ug/l	98
6) Chloroethane	2.69	64	120866	39.332	ug/l	97
7) Trichlorofluoromethane	3.00	101	243327	37.273	ug/l	95
8) Diethyl Ether	3.39	74	106715	40.166	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	159938	39.779	ug/l	99
10) Methyl Iodide	3.93	142	210765	40.274	ug/l	99
11) Tert butyl alcohol	4.75	59	149356	185.526	ug/l #	85
12) 1,1-Dichloroethene	3.71	96	158348	40.215	ug/l	98
13) Acrolein	3.58	56	98898	125.848	ug/l	98
14) Allyl chloride	4.29	41	289496	39.642	ug/l	99
15) Acrylonitrile	4.95	53	447577	199.521	ug/l	99
16) Acetone	3.79	43	517093	233.569	ug/l	99
17) Carbon Disulfide	4.03	76	468208	34.651	ug/l	99
18) Methyl Acetate	4.29	43	257323	42.682	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	528102	41.621	ug/l	99
20) Methylene Chloride	4.52	84	176947	39.335	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	168877	39.365	ug/l	99
22) Diisopropyl ether	5.92	45	568551	41.895	ug/l	98
23) Vinyl Acetate	5.86	43	2211677	202.009	ug/l	100
24) 1,1-Dichloroethane	5.82	63	323292	41.405	ug/l	99
25) 2-Butanone	6.81	43	638256	209.566	ug/l	100
26) 2,2-Dichloropropane	6.79	77	276489	41.609	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	192170	40.958	ug/l	99
28) Bromochloromethane	7.17	49	131555	39.651	ug/l	99
29) Tetrahydrofuran	7.18	42	394963	194.989	ug/l	99
30) Chloroform	7.35	83	311736	39.675	ug/l	100
31) Cyclohexane	7.63	56	289470	36.981	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	263867	41.066	ug/l	100
36) 1,1-Dichloropropene	7.77	75	238618	40.560	ug/l	99
37) Ethyl Acetate	6.90	43	238299	38.285	ug/l	100
38) Carbon Tetrachloride	7.75	117	232902	41.948	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	288574	41.001	ug/l	100
40) Benzene	8.02	78	722462	41.359	ug/l	99
41) Methacrylonitrile	7.18	41	342322	118.109	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	234720	42.377	ug/l	100
43) Isopropyl Acetate	8.14	43	384521	40.665	ug/l	100
44) Trichloroethene	8.82	130	183043	41.097	ug/l	99
45) 1,2-Dichloropropane	9.10	63	191138	41.833	ug/l	100
46) Dibromomethane	9.19	93	117074	41.522	ug/l	99
47) Bromodichloromethane	9.39	83	241027	42.265	ug/l	100
48) Methyl methacrylate	9.18	41	172957	41.228	ug/l	100
49) 1,4-Dioxane	9.19	88	51706	843.902	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1168628	213.068	ug/l	100
52) Toluene	10.15	92	434883	41.672	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	280649	42.828	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	308029	43.545	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	172851	42.317	ug/l	99
56) Ethyl methacrylate	10.42	69	266167	46.739	ug/l	99
57) 1,3-Dichloropropane	10.70	76	295609	41.872	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	510791	291.857	ug/l	100
59) 2-Hexanone	10.74	43	879076	216.146	ug/l	100
60) Dibromochloromethane	10.90	129	187221	43.910	ug/l	99
61) 1,2-Dibromoethane	11.00	107	176459	42.158	ug/l	100
64) Tetrachloroethene	10.63	164	163709	40.404	ug/l	99
65) Chlorobenzene	11.43	112	461595	41.623	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	170317	42.350	ug/l	100
67) Ethyl Benzene	11.51	91	830630	42.642	ug/l	100
68) m/p-Xylenes	11.62	106	617963	84.971	ug/l	100
69) o-Xylene	11.95	106	292980	42.006	ug/l	99
70) Styrene	11.96	104	479032	46.041	ug/l	99
71) Bromoform	12.13	173	133484	43.590	ug/l #	98
73) Isopropylbenzene	12.25	105	794004	41.307	ug/l	100
74) N-amyl acetate	12.07	43	303392	45.137	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	253611	40.458	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	333191	56.762	ug/l #	100
77) Bromobenzene	12.53	156	192274	40.856	ug/l	99
78) n-propylbenzene	12.59	91	932144	42.082	ug/l	100
79) 2-Chlorotoluene	12.67	91	546131	41.239	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	672522	41.622	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	92548	40.511	ug/l	99
82) 4-Chlorotoluene	12.77	91	566412	41.569	ug/l	99
83) tert-Butylbenzene	12.99	119	574396	41.400	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	663212	41.900	ug/l	100
85) sec-Butylbenzene	13.17	105	775698	42.101	ug/l	100
86) p-Isopropyltoluene	13.29	119	706611	42.423	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	345176	41.387	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	343298	41.000	ug/l	99
89) n-Butylbenzene	13.62	91	617245	42.392	ug/l	100
90) Hexachloroethane	13.88	117	127241	39.967	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	336003	41.115	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48009	44.989	ug/l	100

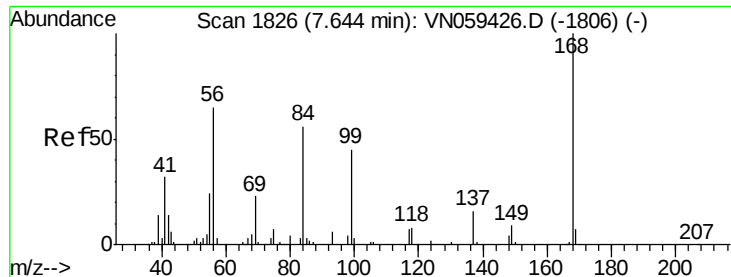
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	205227	40.399	ug/l	100
94) Hexachlorobutadiene	15.01	225	121295	38.962	ug/l	100
95) Naphthalene	15.13	128	514236	46.180	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	202982	47.407	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

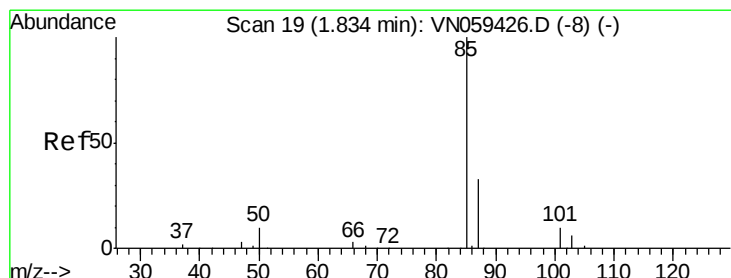
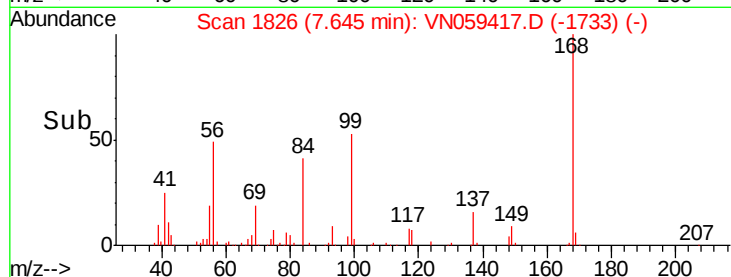
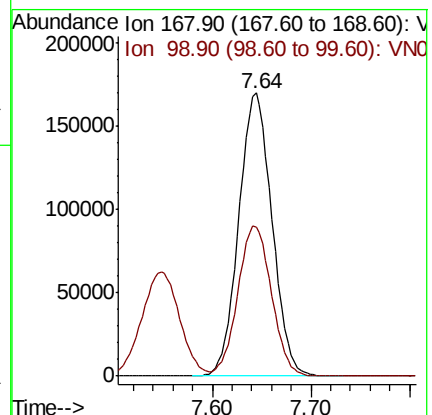
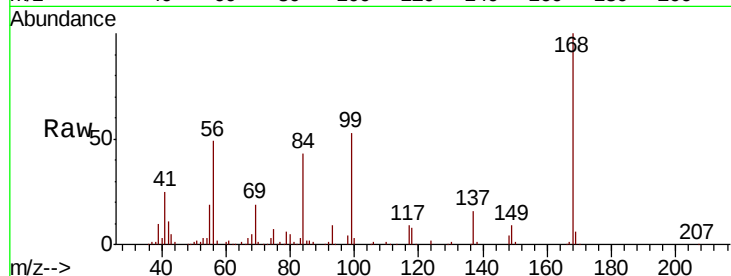
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 396714

Ion Ratio Lower Upper

168 100

99 52.6 43.0 64.4



#2

Dichlorodifluoromethane

Concen: 37.418 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059417.D

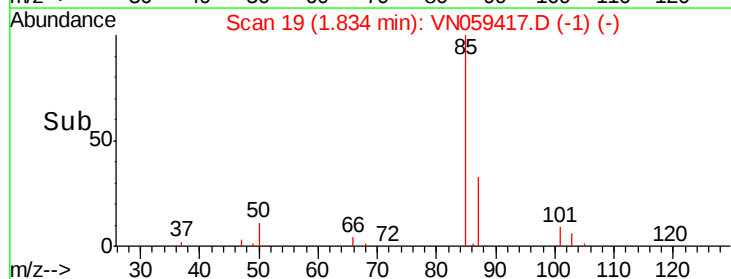
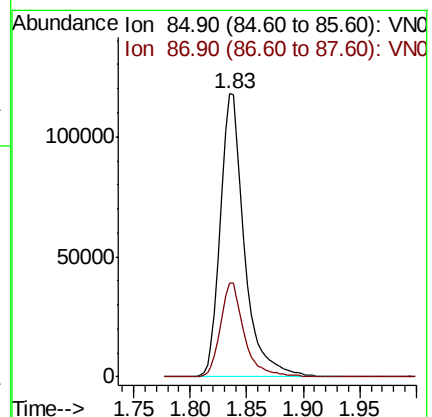
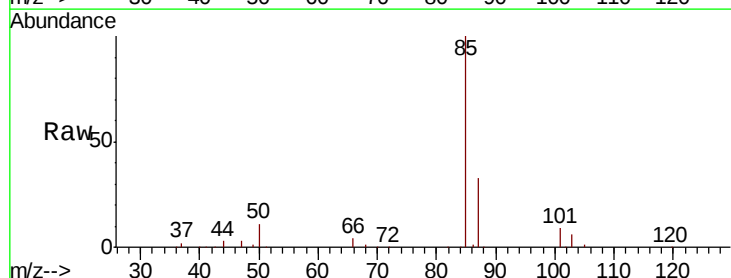
Acq: 27 Nov 2019 10:28

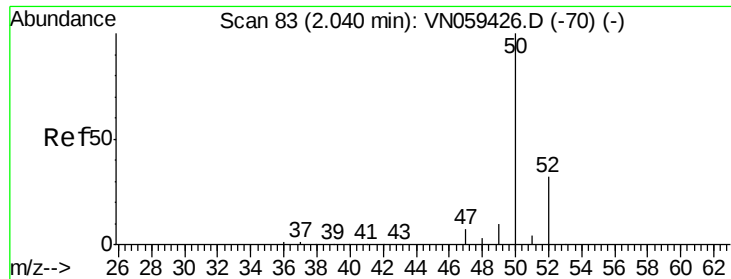
Tgt Ion: 85 Resp: 174714

Ion Ratio Lower Upper

85 100

87 33.2 16.4 49.2





#3

Chloromethane

Concen: 36.922 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

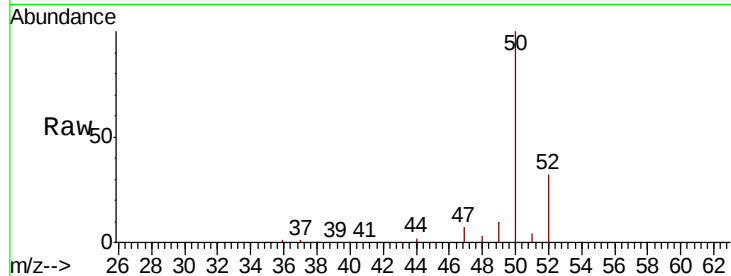
ClientSampled :

Tot Ion: 50 Resp: 210586

Ion Ratio Lower Upper

50 100

52 32.3 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

150000

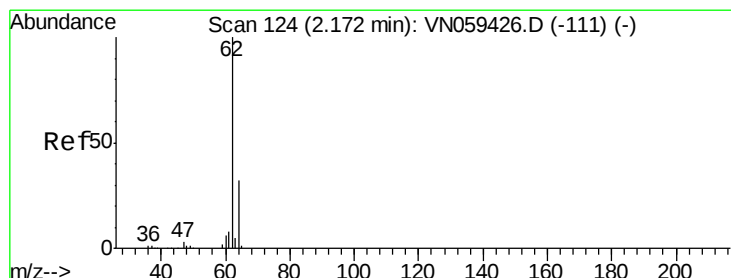
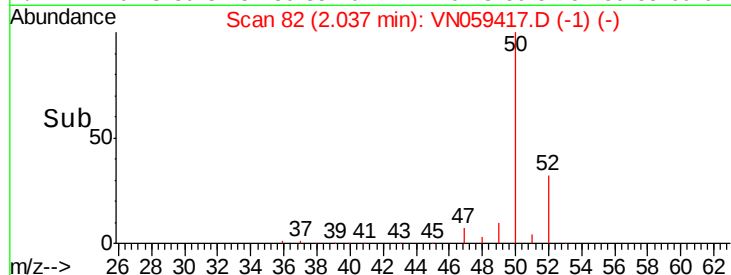
100000

50000

0

Time-->

1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 42.363 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN059417.D

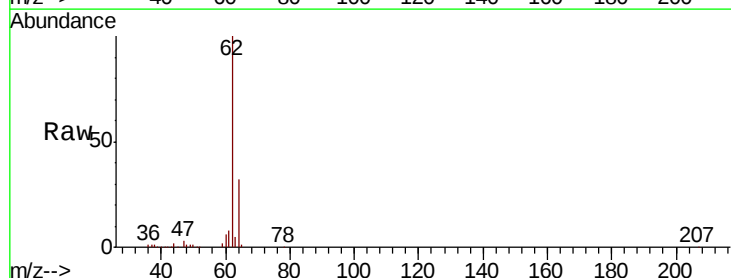
Acq: 27 Nov 2019 10:28

Tgt Ion: 62 Resp: 232184

Ion Ratio Lower Upper

62 100

64 31.9 25.2 37.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

150000

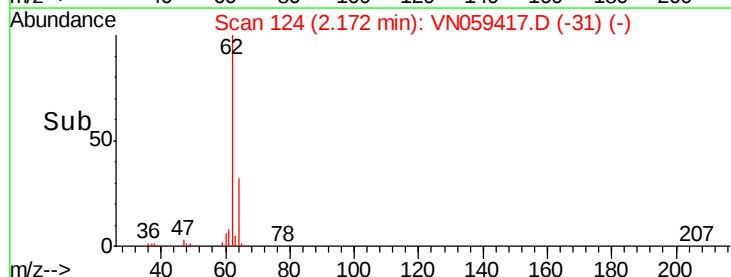
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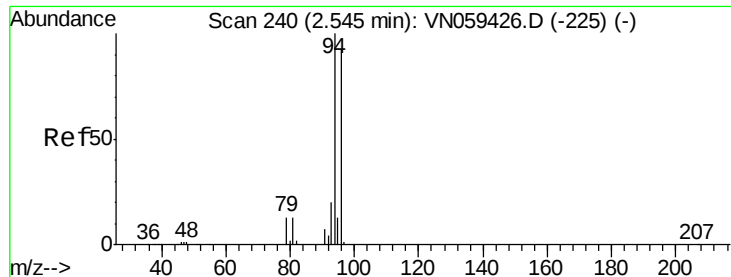
50000

0

Time-->

2.10 2.15 2.20 2.25 2.30





#5

Bromomethane

Concen: 38.532 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

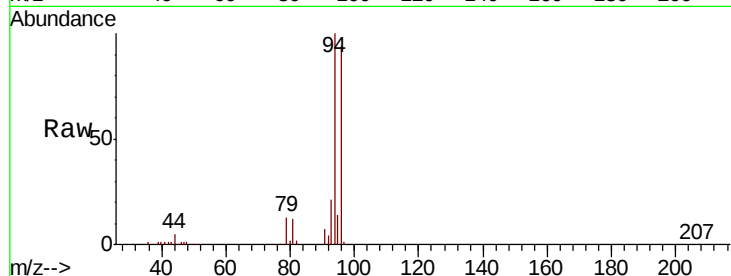
ClientSampled :

Tot Ion: 94 Resp: 127154

Ion Ratio Lower Upper

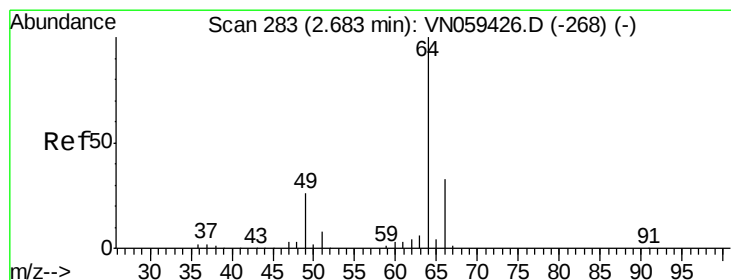
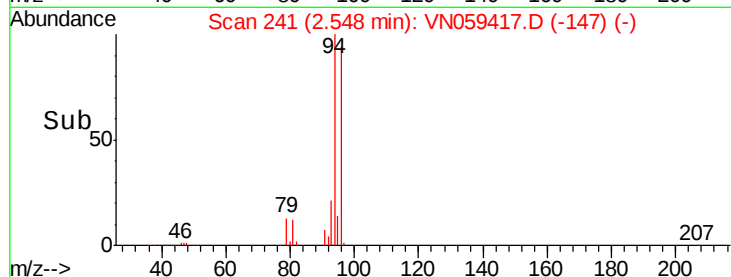
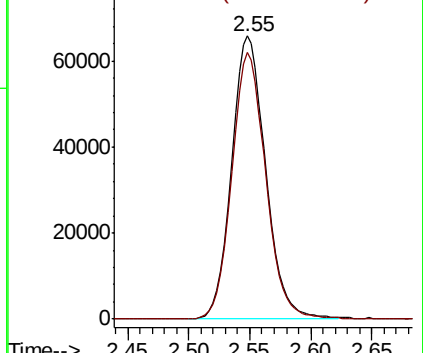
94 100

96 94.1 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 39.332 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059417.D

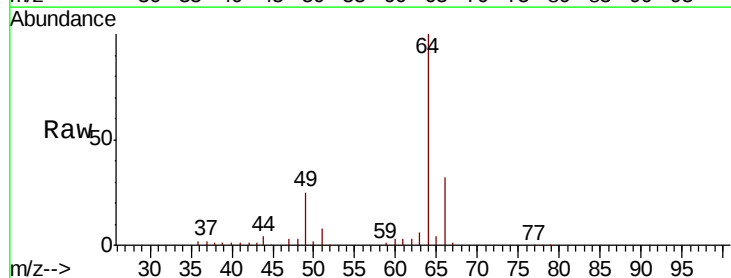
Acq: 27 Nov 2019 10:28

Tgt Ion: 64 Resp: 120866

Ion Ratio Lower Upper

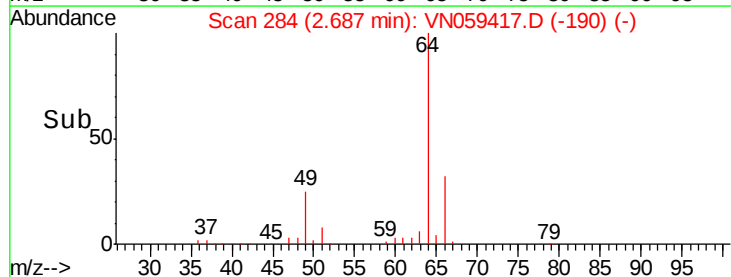
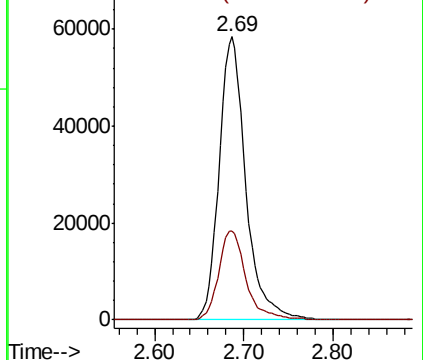
64 100

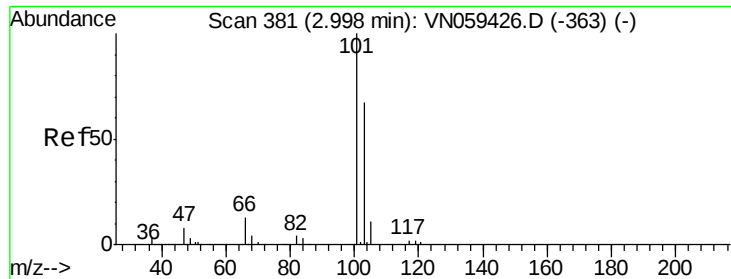
66 31.6 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



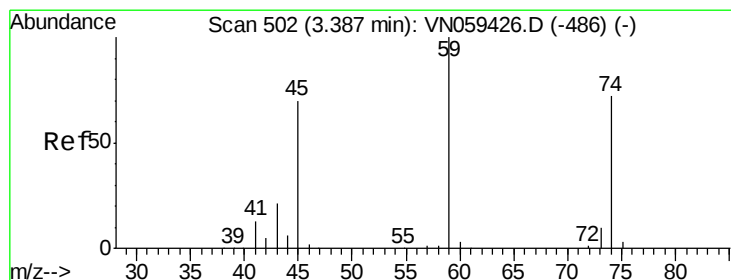
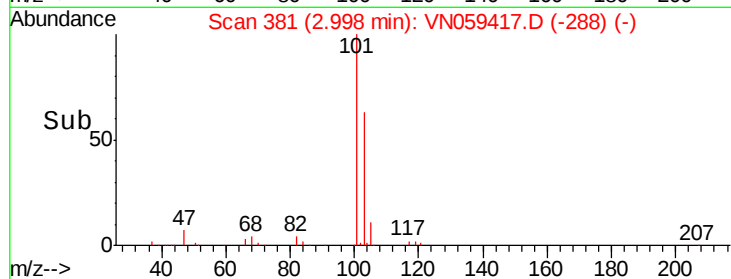
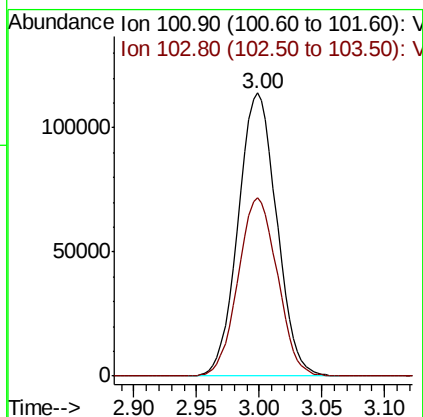
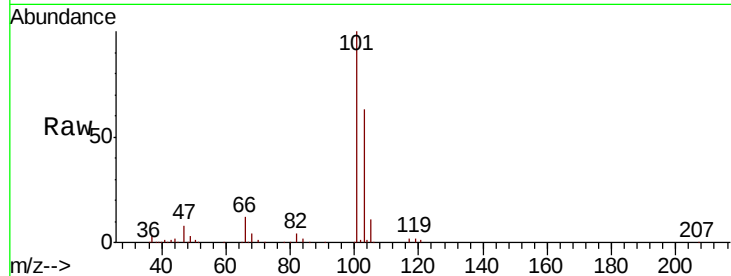


#7

Trichlorofluoromethane
Concen: 37.273 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :

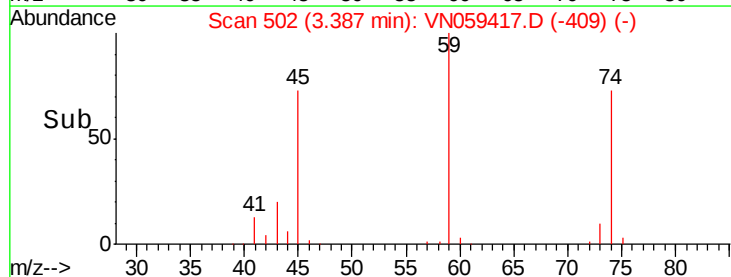
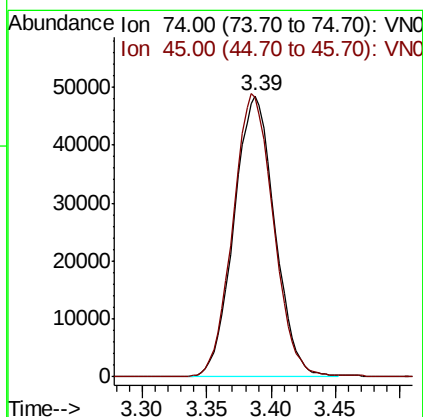
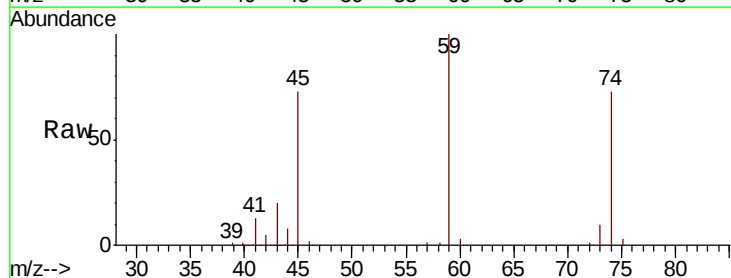
Tot Ion:101 Resp: 243327
Ion Ratio Lower Upper
101 100
103 62.9 53.6 80.4

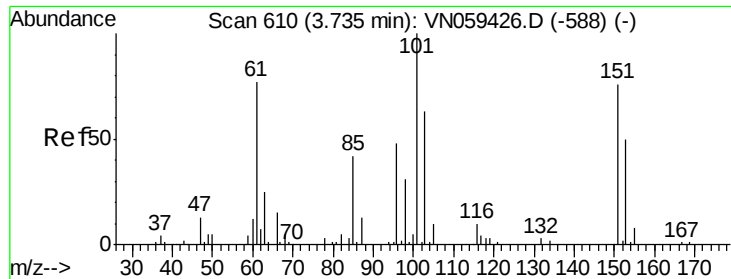


#8

Diethyl Ether
Concen: 40.166 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 74 Resp: 106715
Ion Ratio Lower Upper
74 100
45 100.5 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 39.779 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

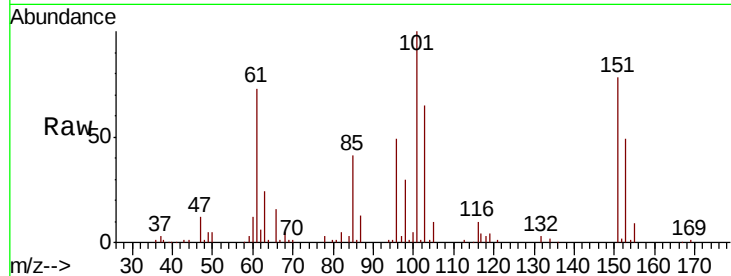
Tot Ion:101 Resp: 159938

Ion Ratio Lower Upper

101 100

85 42.9 34.2 51.2

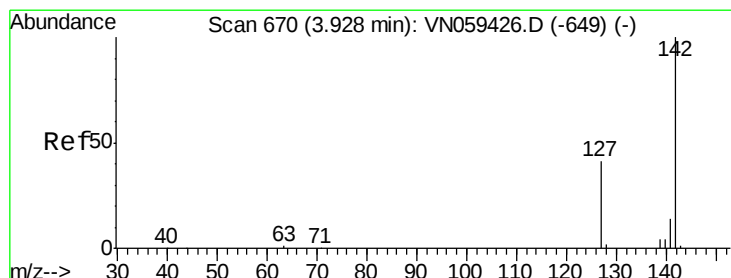
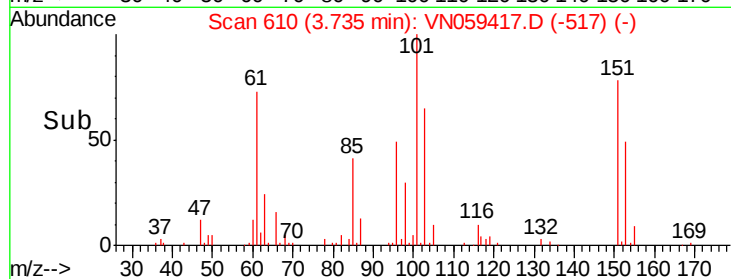
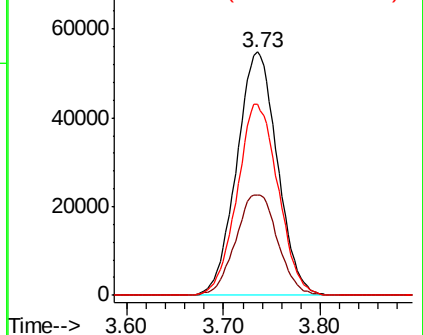
151 79.4 62.6 93.8



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: 40.274 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

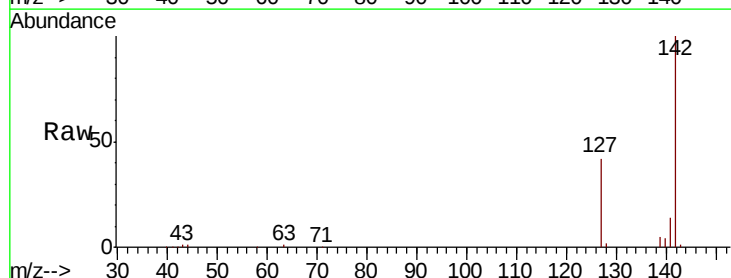
Tgt Ion:142 Resp: 210765

Ion Ratio Lower Upper

142 100

127 41.5 32.6 48.8

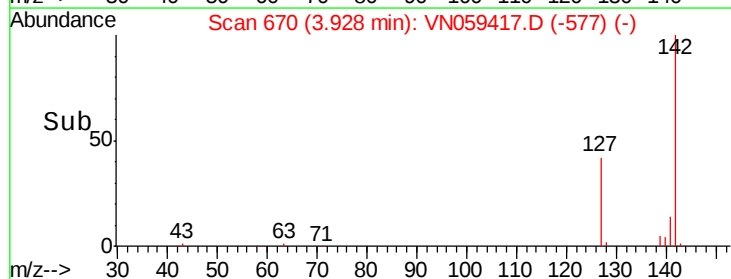
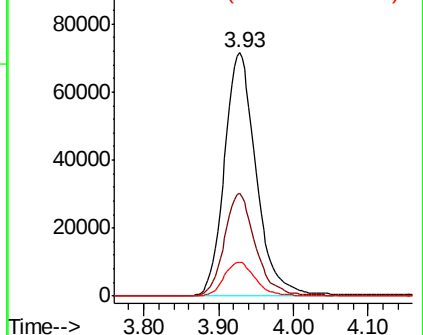
141 13.8 11.1 16.7

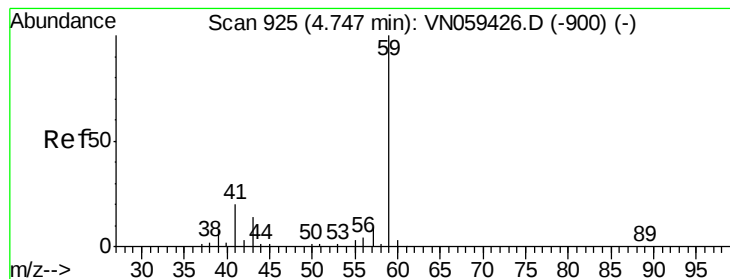


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



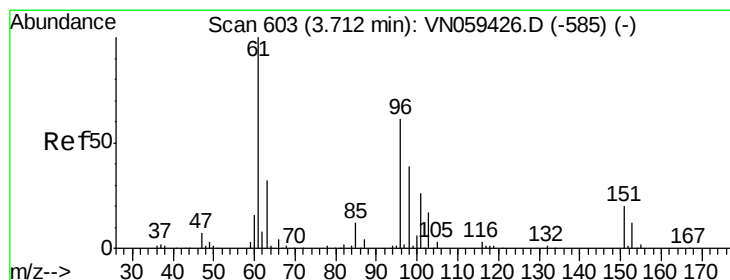
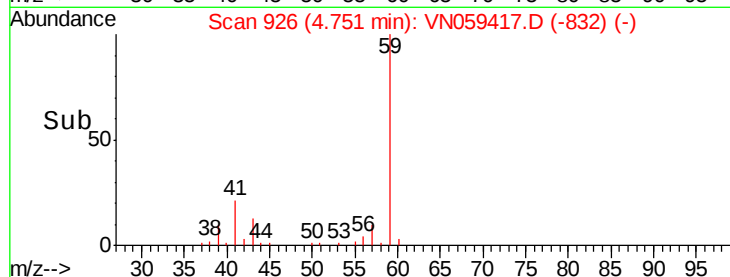
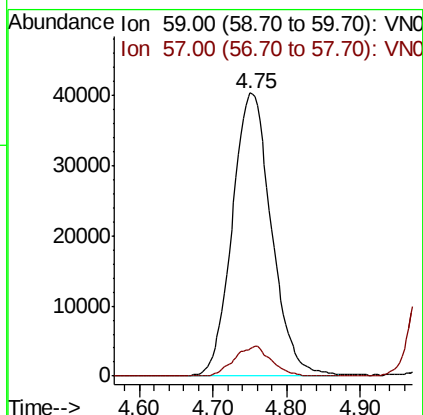
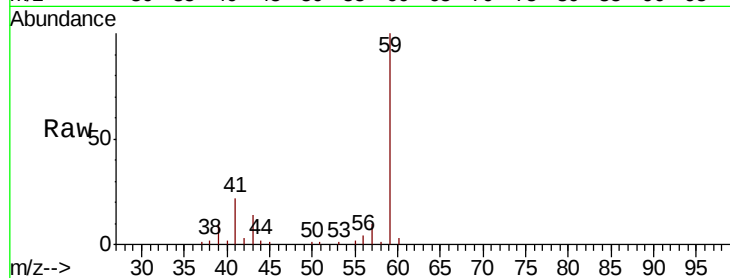


#11

Tert butyl alcohol
 Concen: 185.526 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :

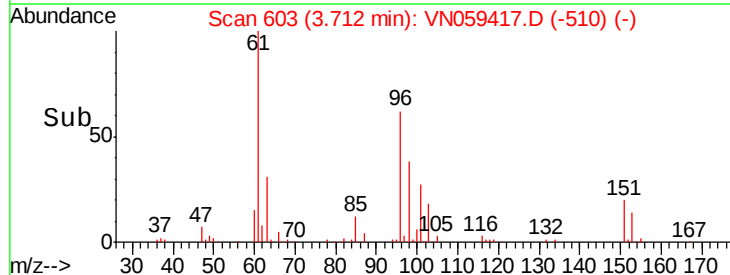
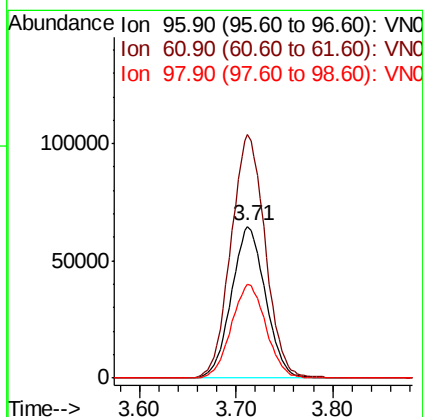
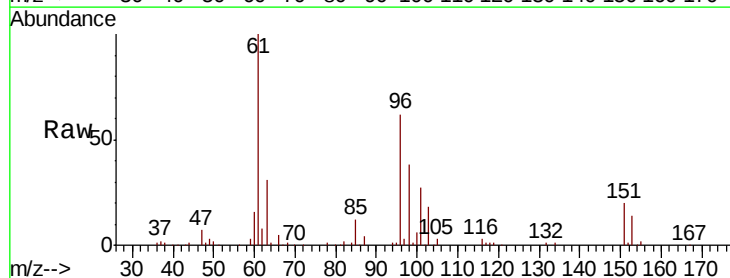
Tot Ion: 59 Resp: 149356
 Ion Ratio Lower Upper
 59 100
 57 9.9 3.8 5.8#

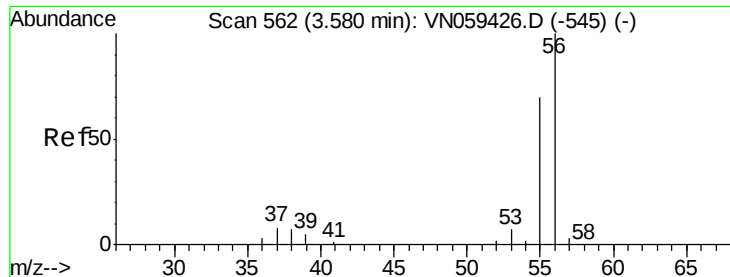


#12

1,1-Dichloroethene
 Concen: 40.215 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion: 96 Resp: 158348
 Ion Ratio Lower Upper
 96 100
 61 160.4 130.5 195.7
 98 61.7 51.3 76.9

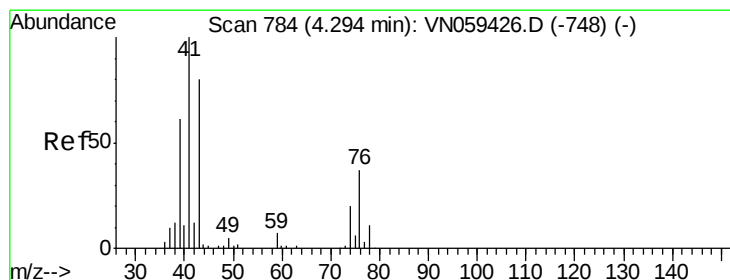
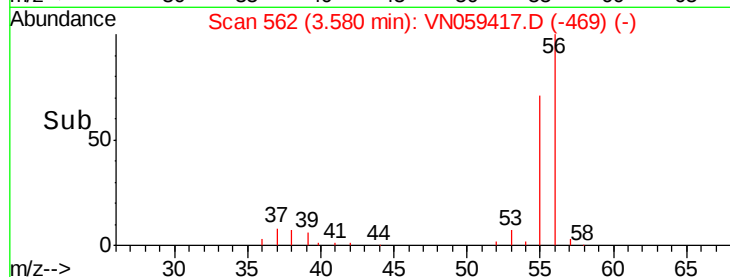
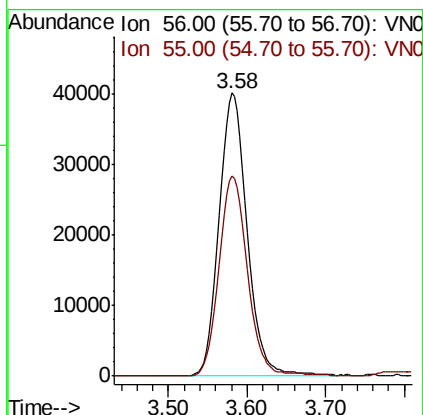
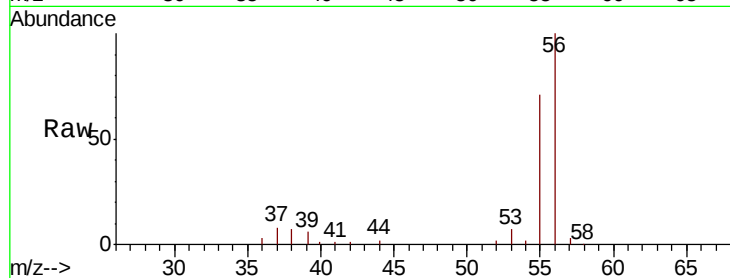




#13
Acrolein
Concen: 125.848 ug/l
RT: 3.58 min Scan# 562
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

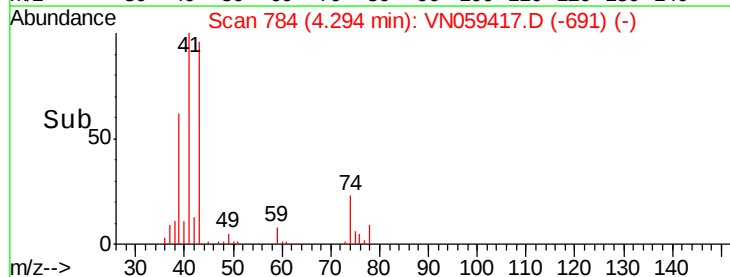
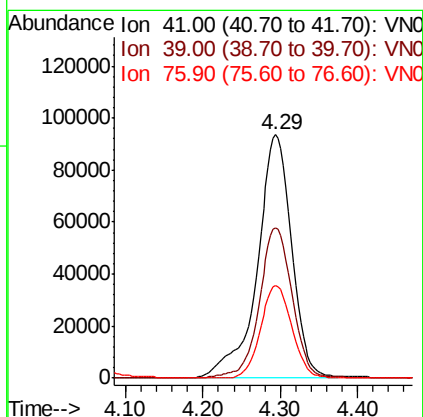
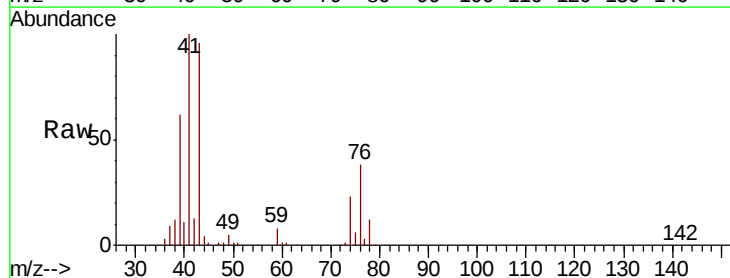
Instrument :
MSVOA_N
ClientSampleId :

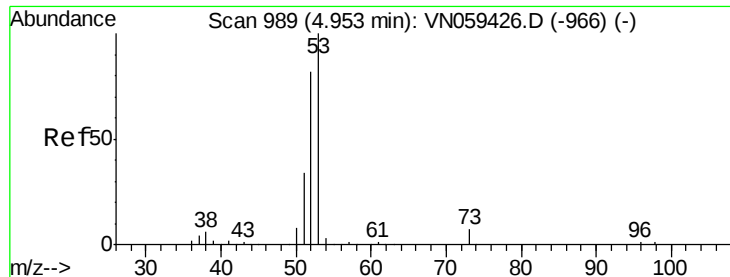
Tot Ion: 56 Resp: 98898
Ion Ratio Lower Upper
56 100
55 70.9 57.8 86.6



#14
Allyl chloride
Concen: 39.642 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 41 Resp: 289496
Ion Ratio Lower Upper
41 100
39 58.9 46.5 69.7
76 34.6 26.8 40.2





#15

Acrylonitrile

Concen: 199.521 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

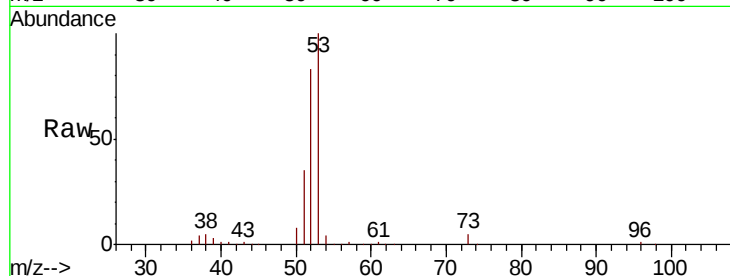
Tot Ion: 53 Resp: 447577

Ion Ratio Lower Upper

53 100

52 82.2 65.1 97.7

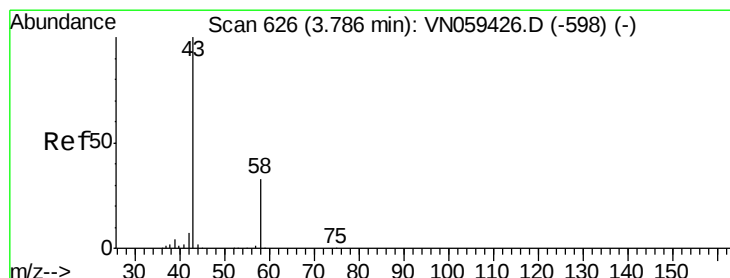
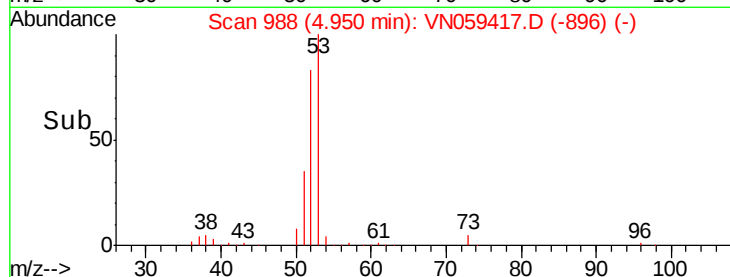
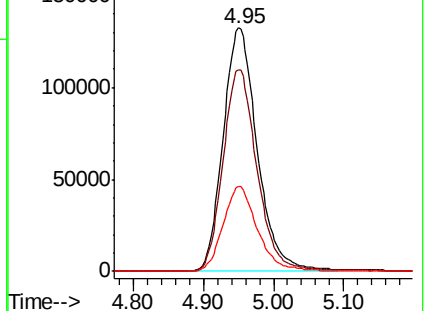
51 35.0 27.8 41.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 233.569 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059417.D

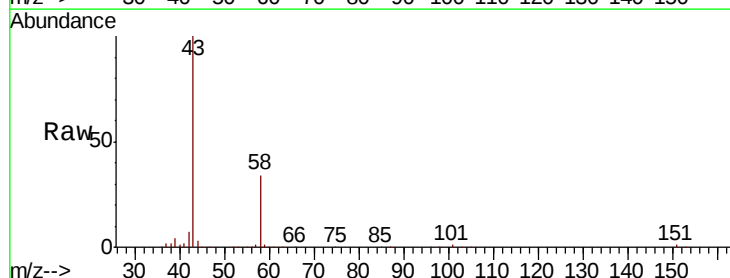
Acq: 27 Nov 2019 10:28

Tgt Ion: 43 Resp: 517093

Ion Ratio Lower Upper

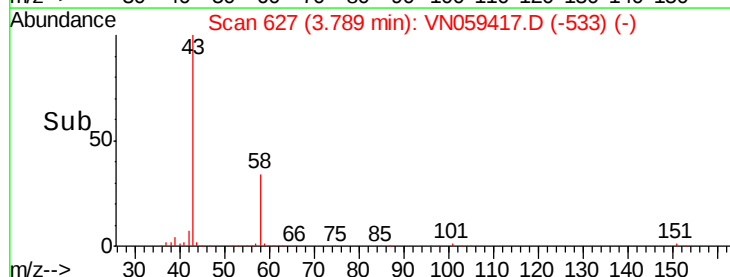
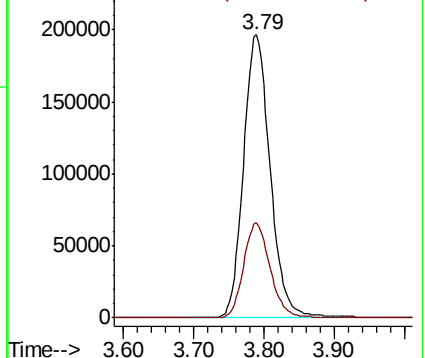
43 100

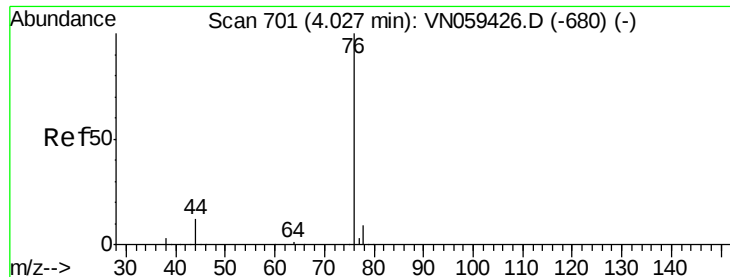
58 33.5 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

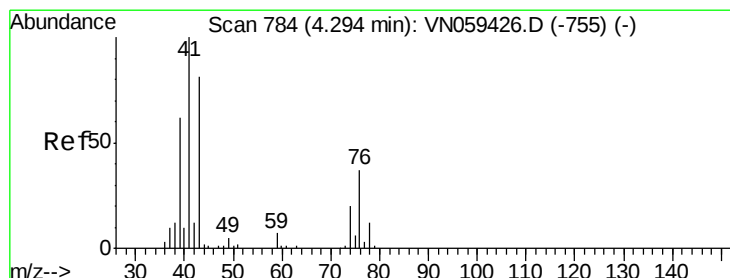
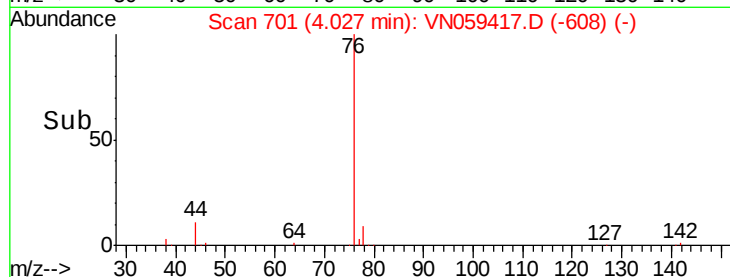
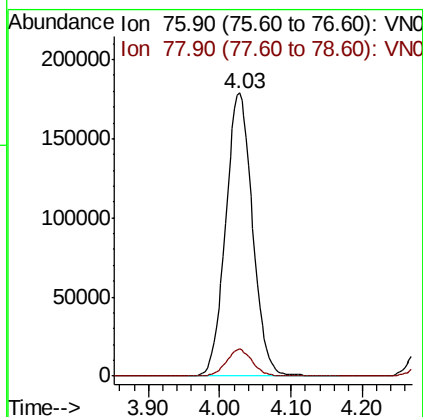
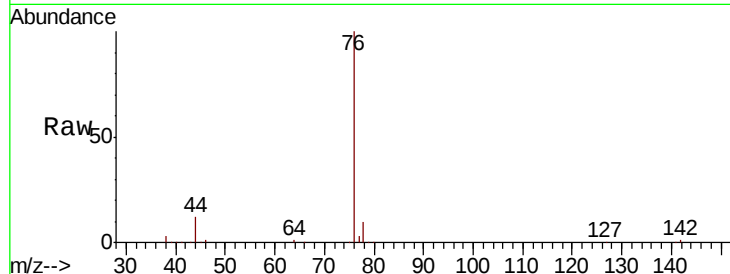




#17
Carbon Disulfide
Concen: 34.651 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

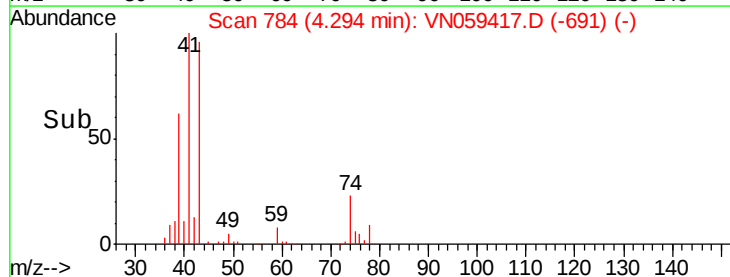
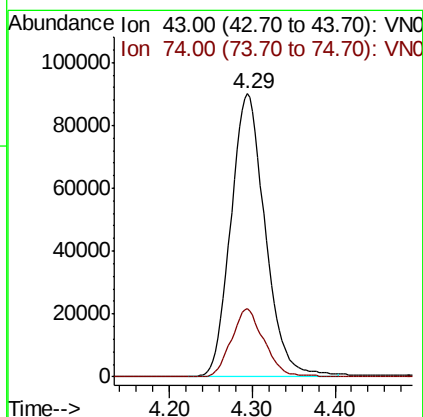
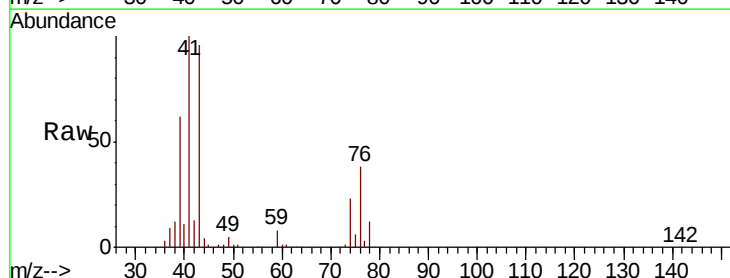
Instrument :
MSVOA_N
ClientSampled :

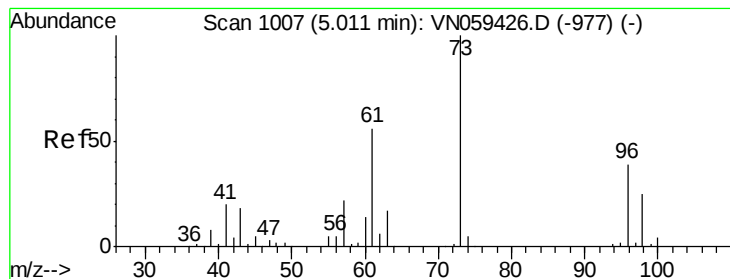
Tot Ion: 76 Resp: 468208
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0



#18
Methyl Acetate
Concen: 42.682 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 43 Resp: 257323
Ion Ratio Lower Upper
43 100
74 23.2 18.6 28.0



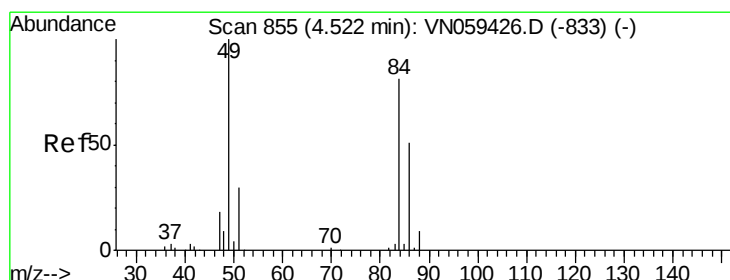
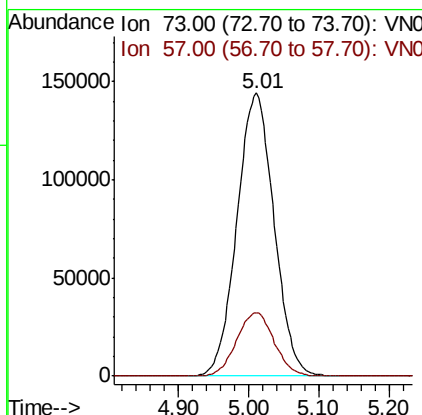
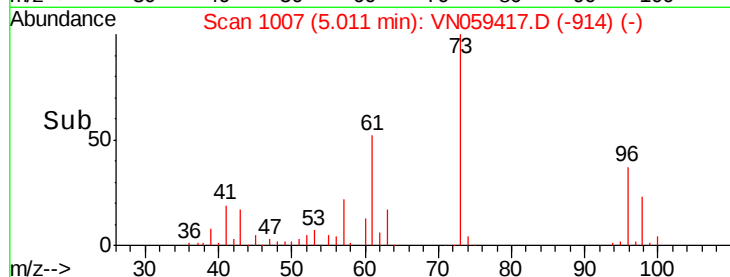
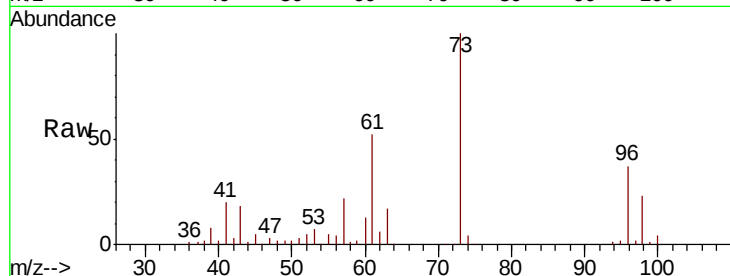


#19

Methyl tert-butyl Ether
 Concen: 41.621 ug/l
 RT: 5.01 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_N
 ClientSampled :

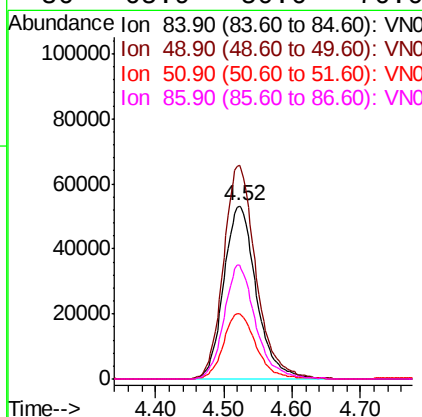
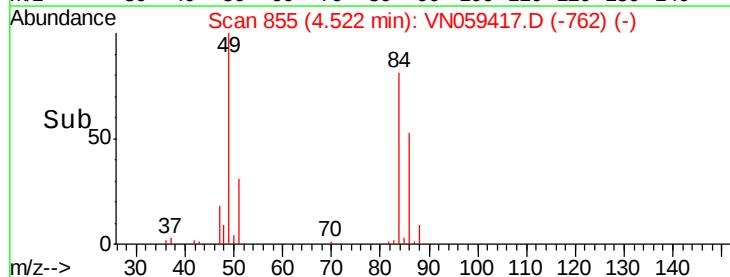
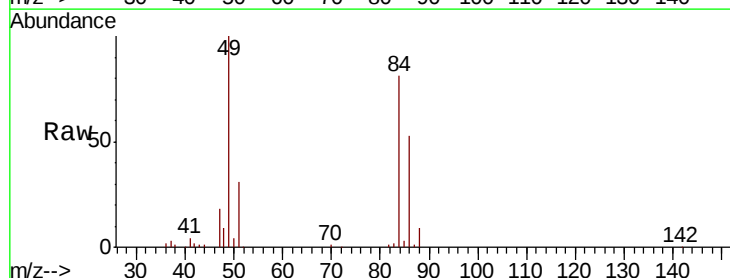
Tot Ion: 73 Resp: 528102
 Ion Ratio Lower Upper
 73 100
 57 22.5 17.7 26.5

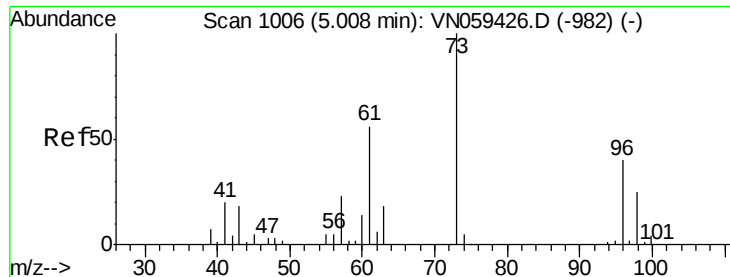


#20

Methylene Chloride
 Concen: 39.335 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion: 84 Resp: 176947
 Ion Ratio Lower Upper
 84 100
 49 123.2 98.6 148.0
 51 37.7 29.4 44.0
 86 65.9 50.6 76.0

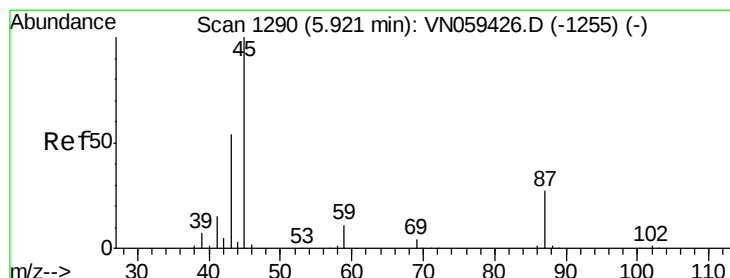
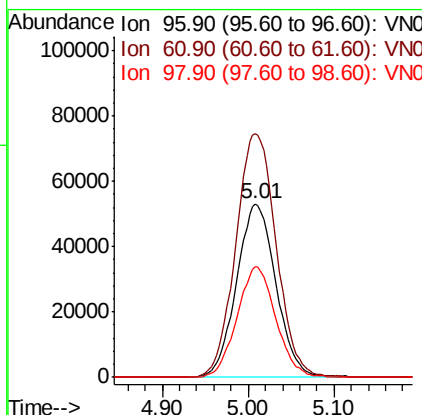
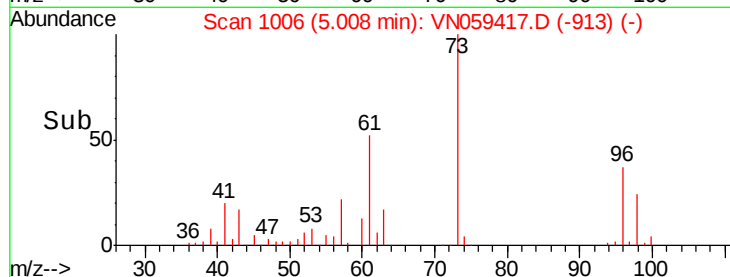
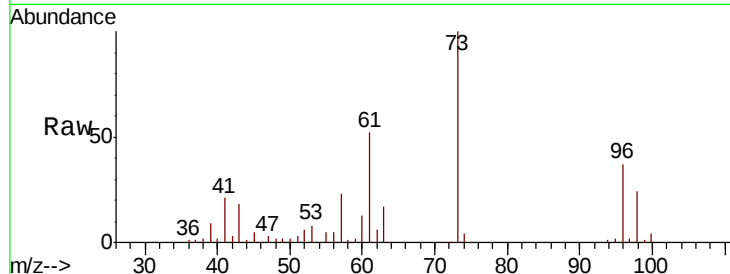




#21
trans-1,2-Dichloroethene
Concen: 39.365 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

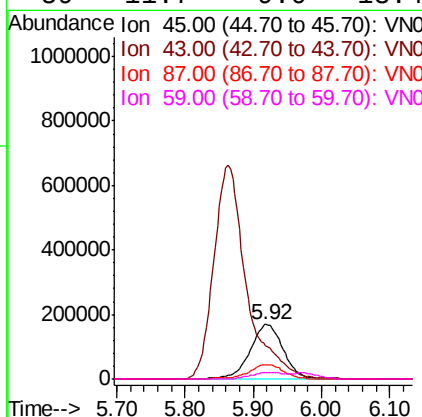
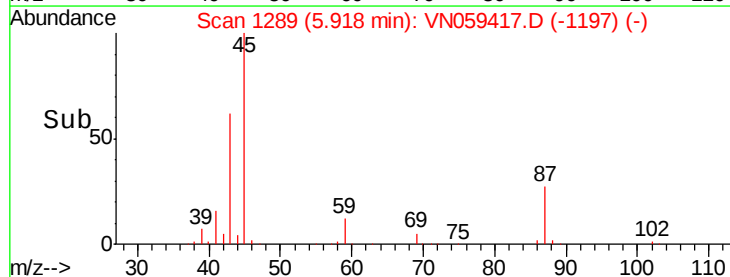
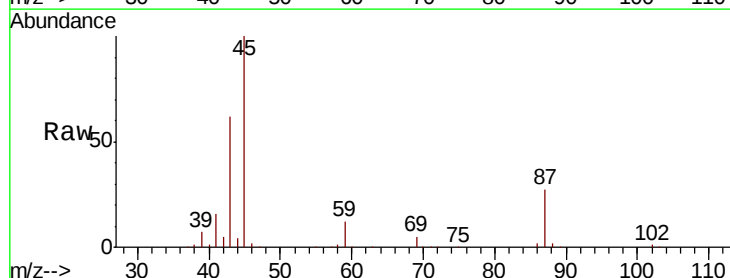
Instrument :
MSVOA_N
ClientSampled :

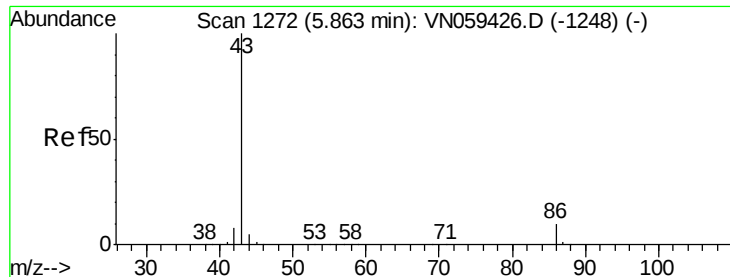
Tot Ion: 96 Resp: 168877
Ion Ratio Lower Upper
96 100
61 140.2 114.0 171.0
98 63.4 50.5 75.7



#22
Diisopropyl ether
Concen: 41.895 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 45 Resp: 568551
Ion Ratio Lower Upper
45 100
43 60.5 46.3 69.5
87 27.0 21.8 32.6
59 11.7 9.0 13.4





#23

Vinyl Acetate

Concen: 202.009 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

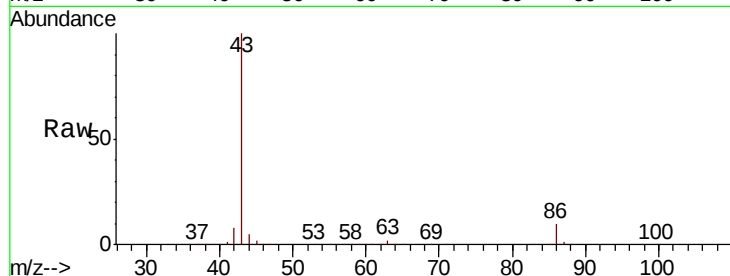
ClientSampleId :

Tot Ion: 43 Resp: 2211677

Ion Ratio Lower Upper

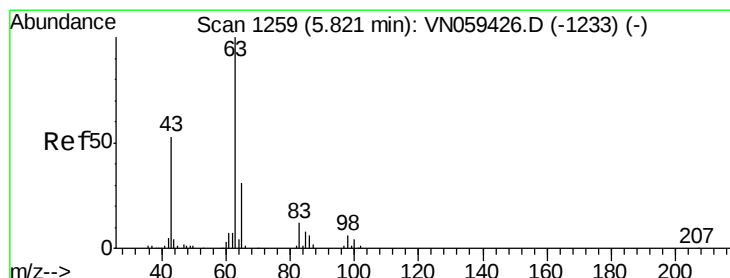
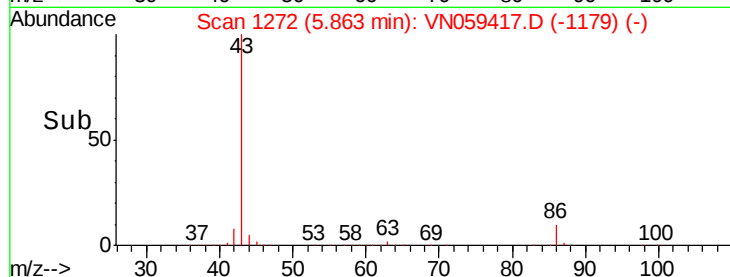
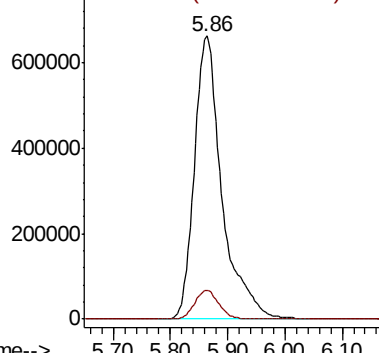
43 100

86 10.2 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 41.405 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

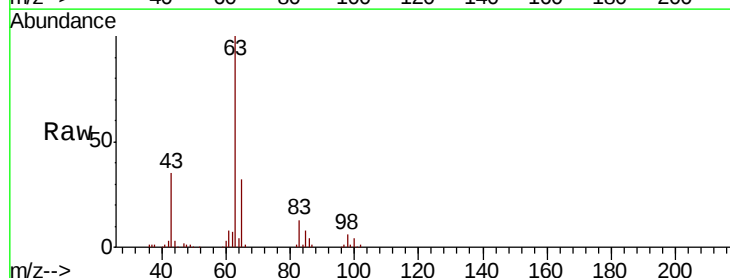
Tgt Ion: 63 Resp: 323292

Ion Ratio Lower Upper

63 100

98 6.1 3.2 9.6

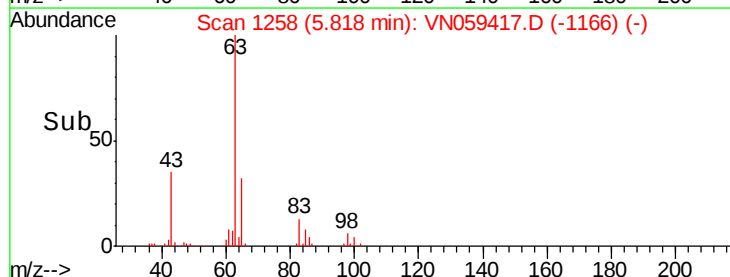
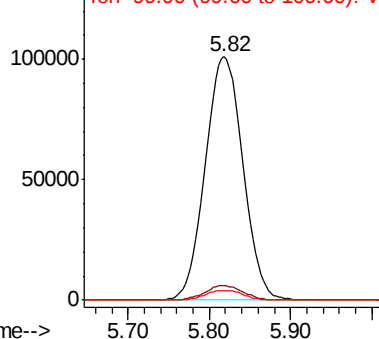
100 3.8 2.1 6.3

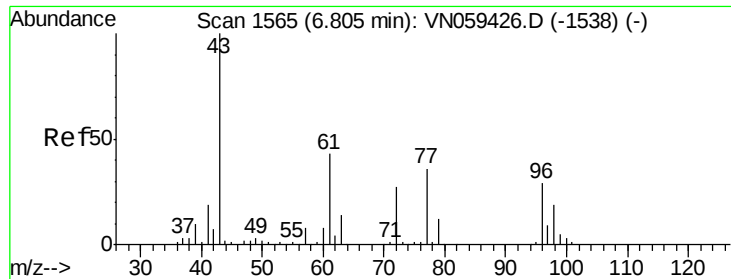


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 209.566 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

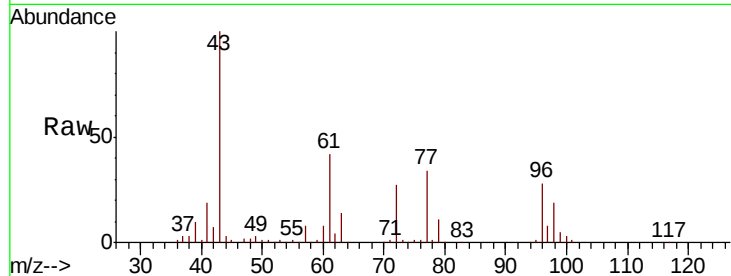
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 638256

Ion Ratio Lower Upper

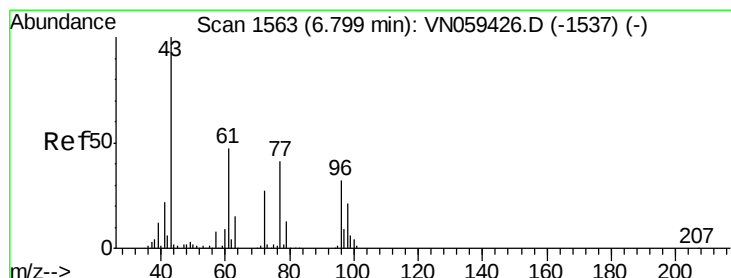
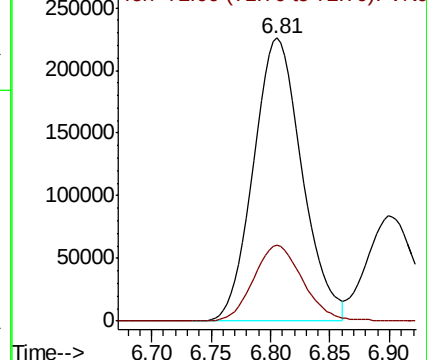
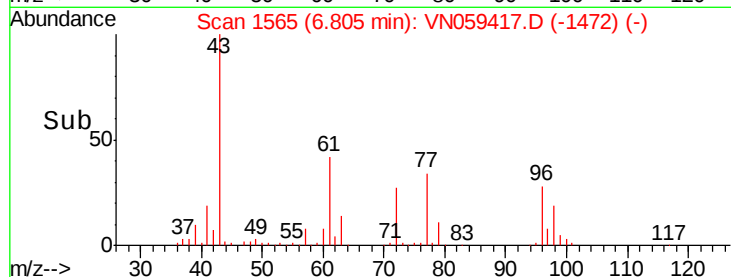
43 100

72 26.9 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VN059417.D (-1472) (-)

Ion 72.00 (71.70 to 72.70): VN059417.D (-1472) (-)



#26

2,2-Dichloropropane

Concen: 41.609 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VN059417.D

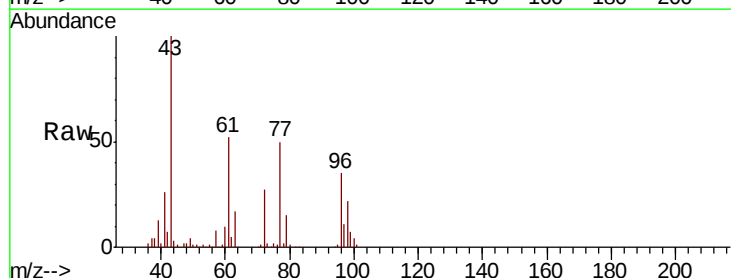
Acq: 27 Nov 2019 10:28

Tgt Ion: 77 Resp: 276489

Ion Ratio Lower Upper

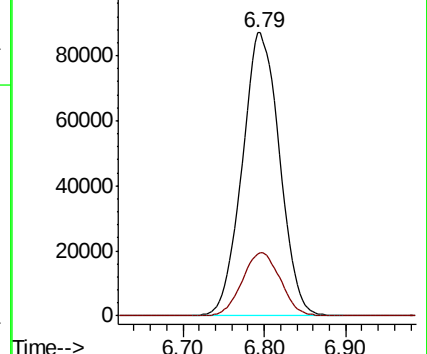
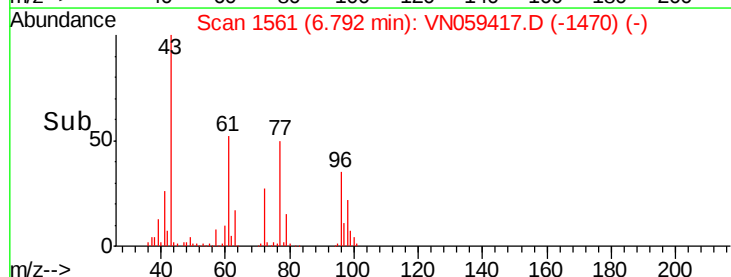
77 100

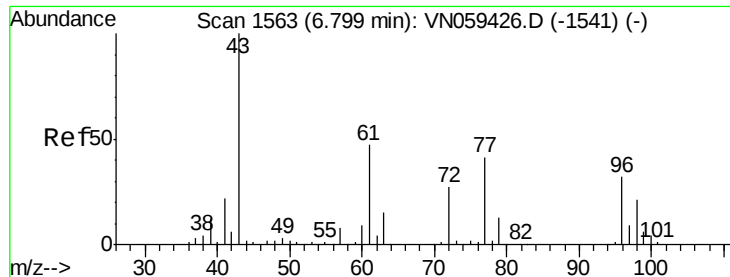
97 22.7 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VN059417.D (-1470) (-)

Ion 96.90 (96.60 to 97.60): VN059417.D (-1470) (-)





#27

cis-1,2-Dichloroethene

Concen: 40.958 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :

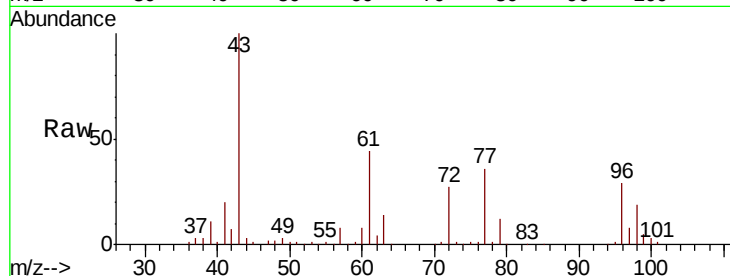
Tot Ion: 96 Resp: 192170

Ion Ratio Lower Upper

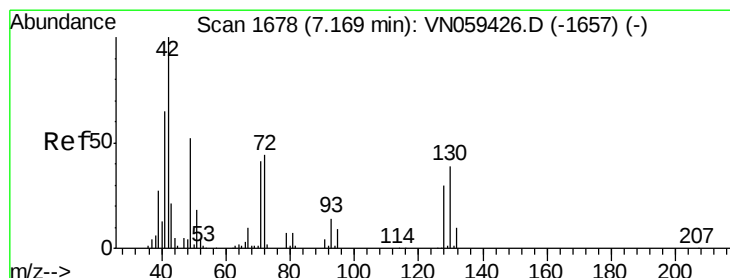
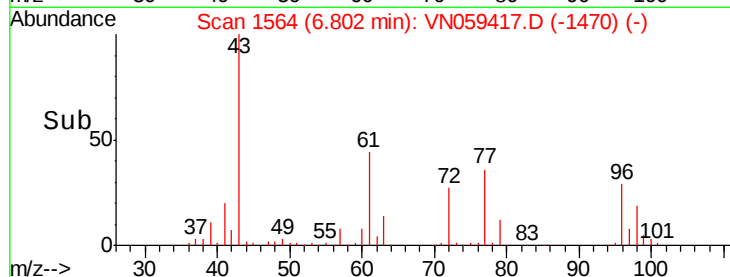
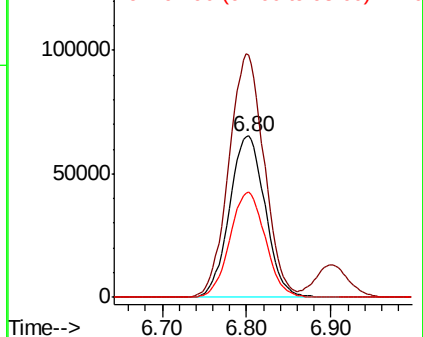
96 100

61 149.5 0.0 297.6

98 64.9 0.0 130.8



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: 39.651 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

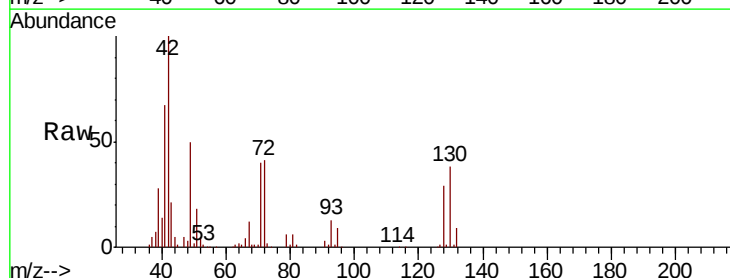
Tgt Ion: 49 Resp: 131555

Ion Ratio Lower Upper

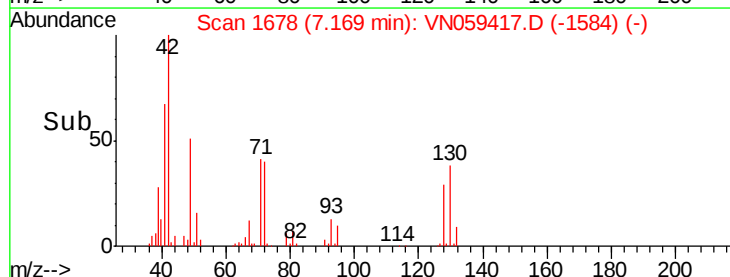
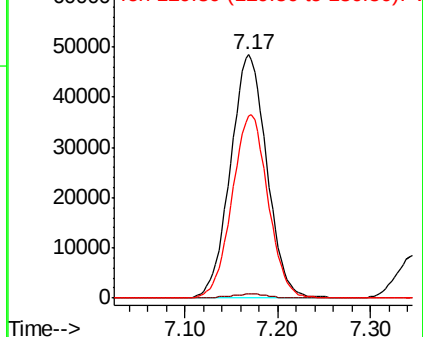
49 100

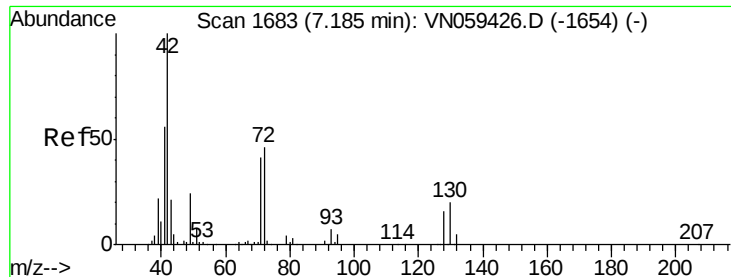
129 1.6 0.0 3.6

130 74.5 60.5 90.7



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

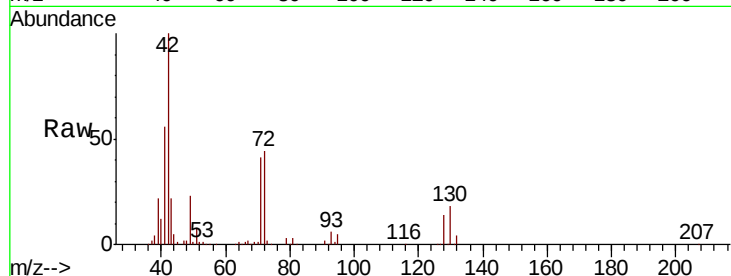




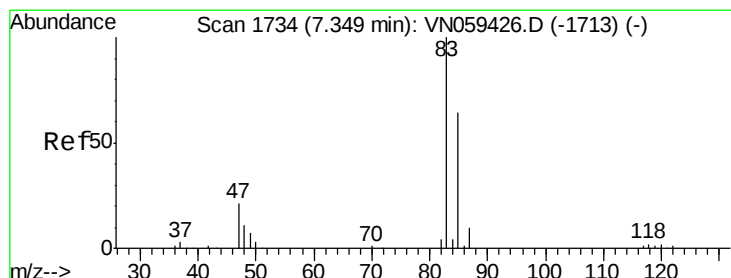
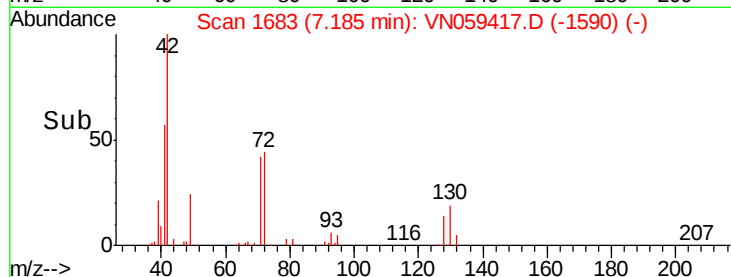
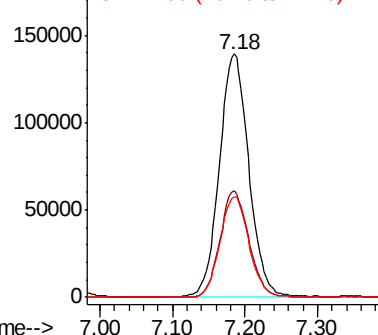
#29
Tetrahydrofuran
Concen: 194.989 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.6	51.8
71	40.8	33.0	49.6

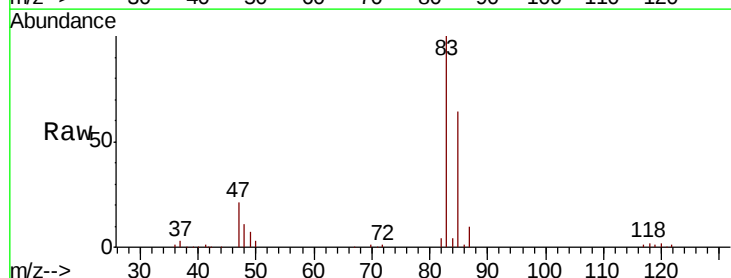


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

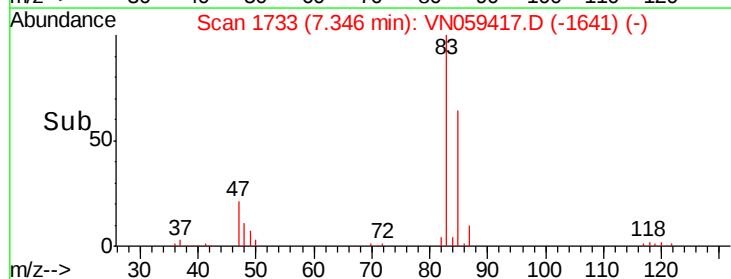
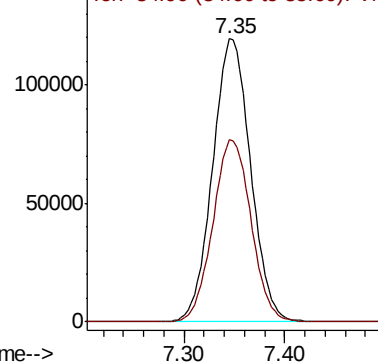


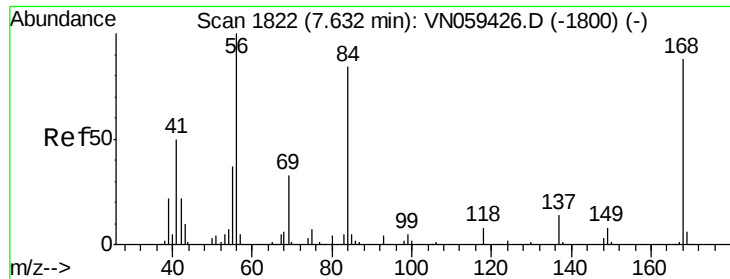
#30
Chloroform
Concen: 39.675 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.6	77.4



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

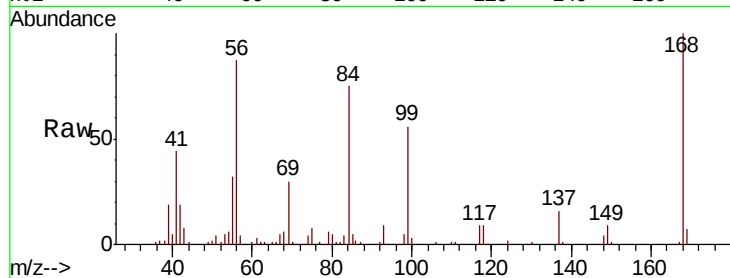




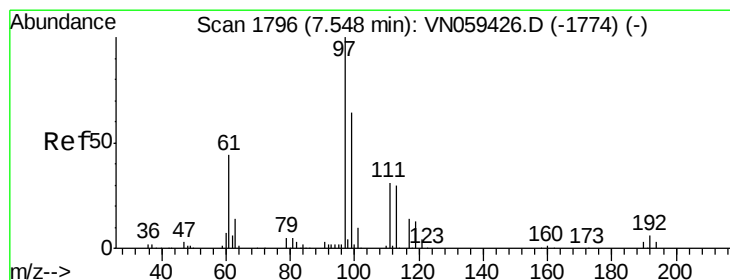
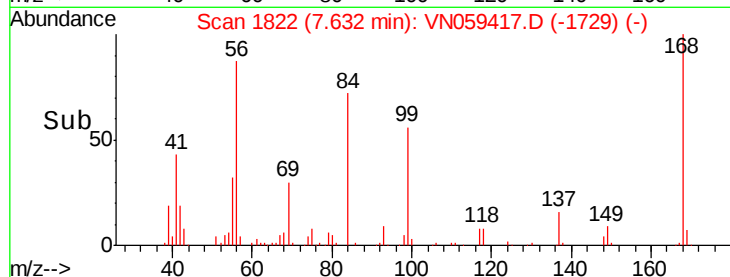
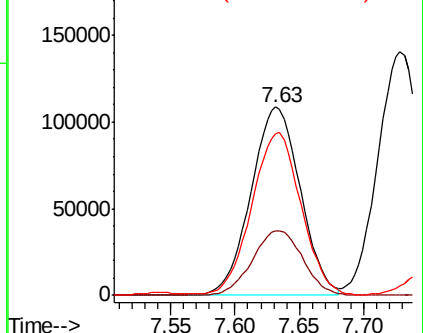
#31
Cyclohexane
Concen: 36.981 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 289470
Ion Ratio Lower Upper
56 100
69 34.3 26.4 39.6
84 85.3 67.0 100.6

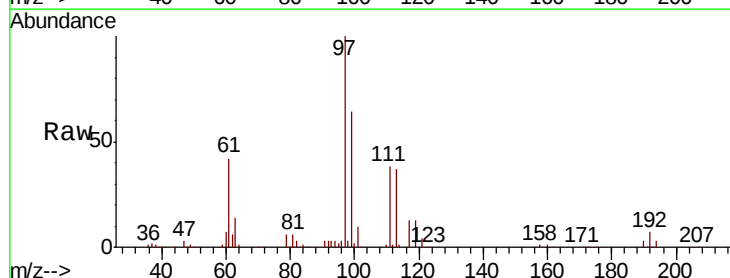


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

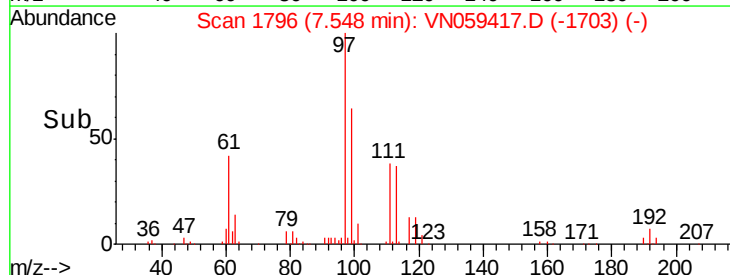
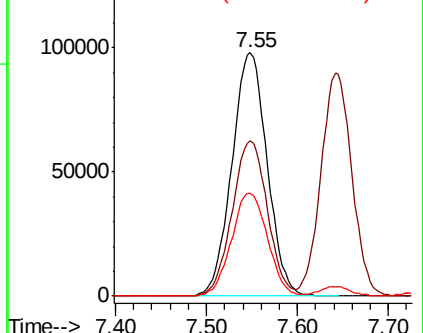


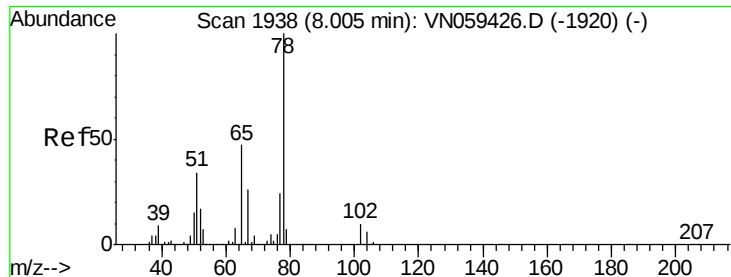
#32
1,1,1-Trichloroethane
Concen: 41.066 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 97 Resp: 263867
Ion Ratio Lower Upper
97 100
99 63.7 50.9 76.3
61 43.3 34.3 51.5



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

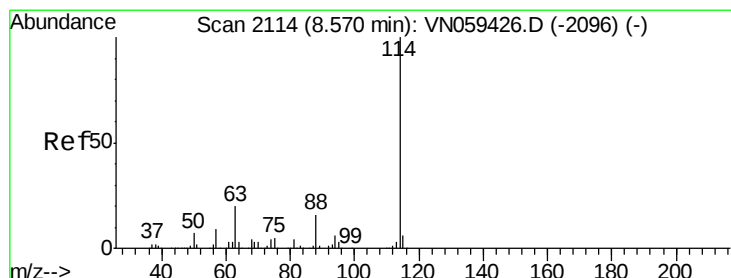
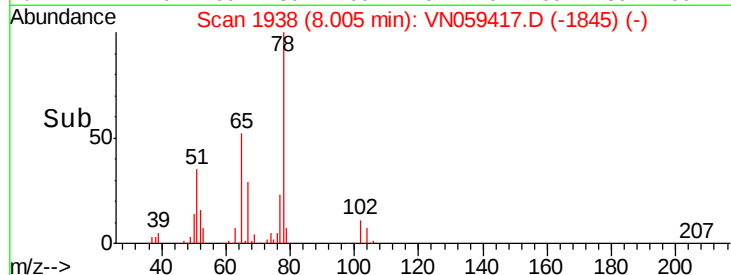
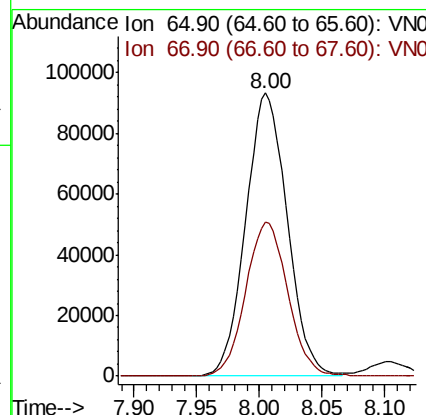
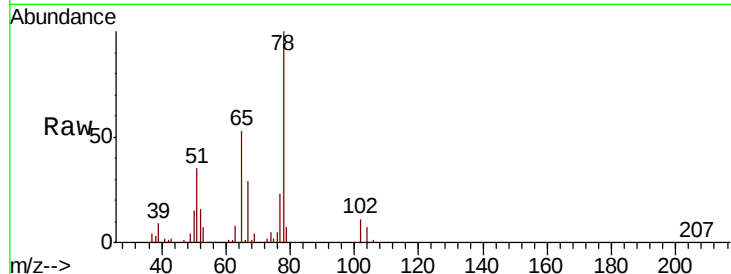




#33
 1,2-Dichloroethane-d4
 Concen: 46.258 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

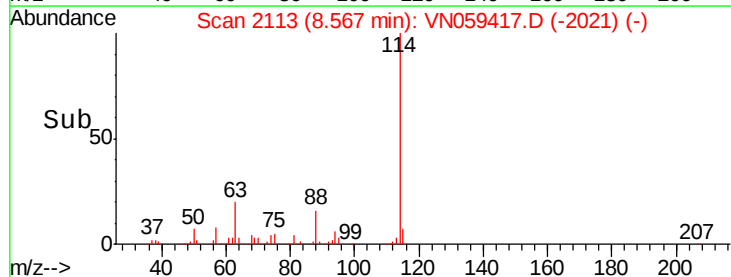
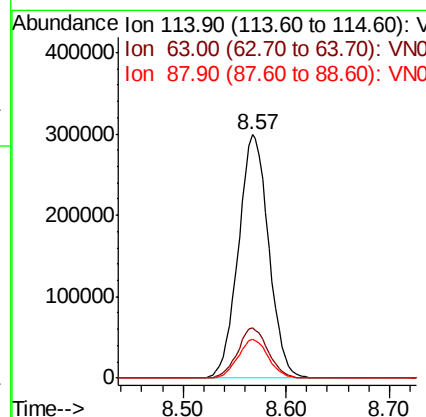
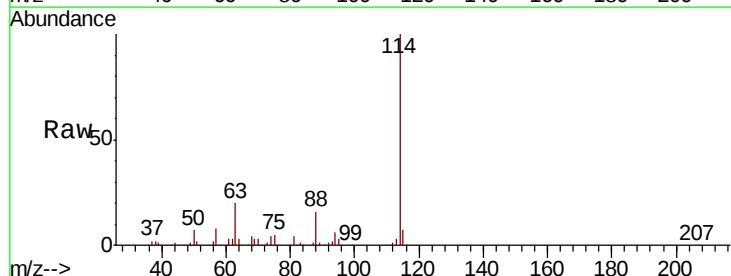
Instrument :
 MSVOA_N
 ClientSampled :

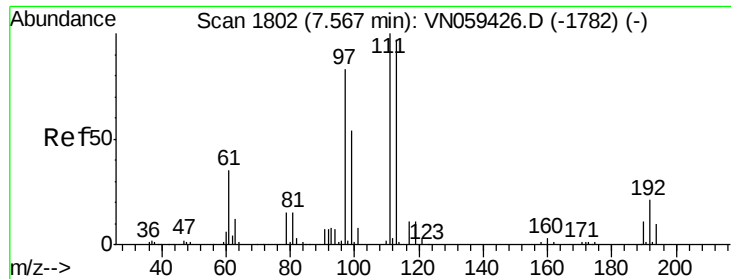
Tot Ion: 65 Resp: 214967
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion: 114 Resp: 611772
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.4
 88 15.9 0.0 32.2

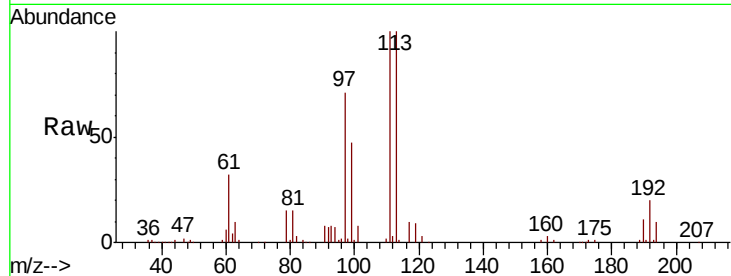




#35
 Dibromofluoromethane
 Concen: 48.531 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.9	122.9
192	20.0	16.6	24.8

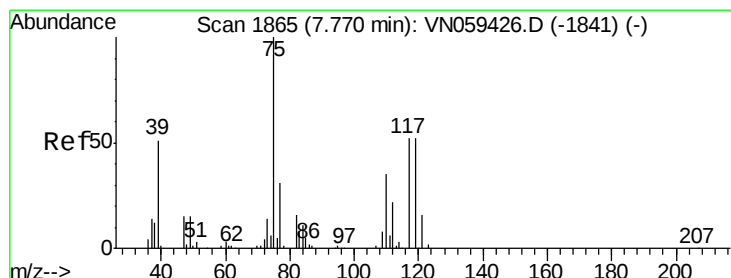
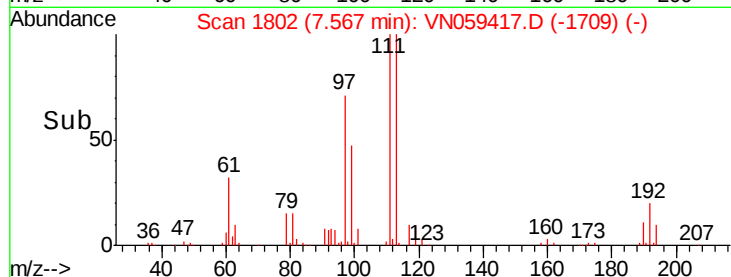
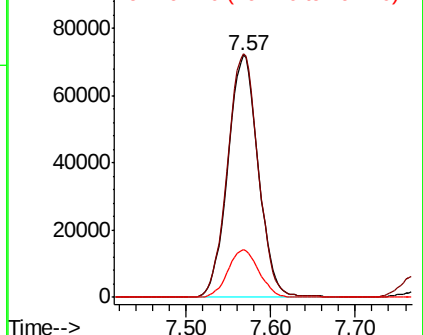


Abundance

Ion 112.80 (112.50 to 113.50): V

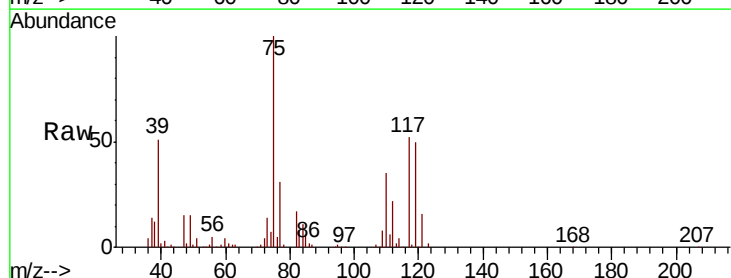
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 40.560 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.3	52.0
77	31.6	24.9	37.3

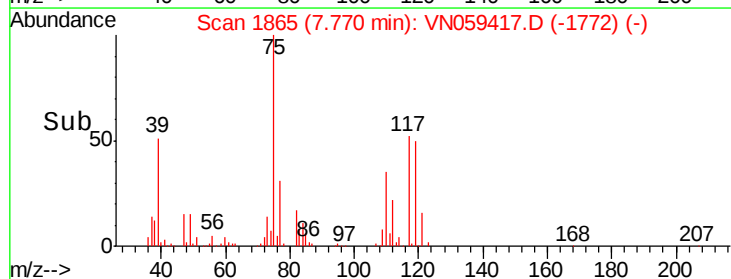
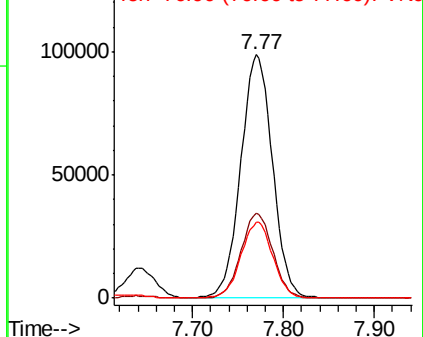


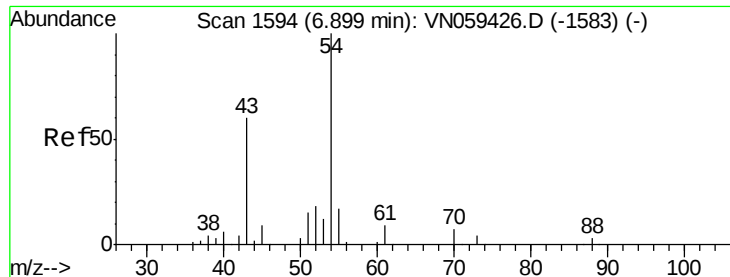
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

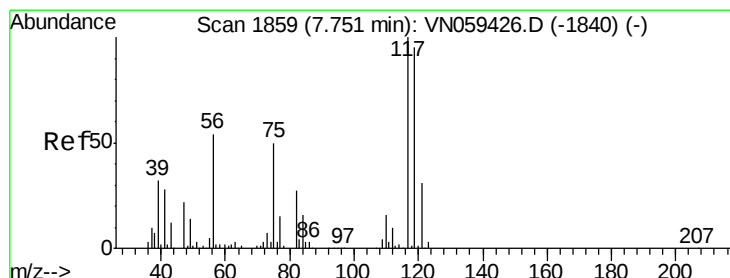
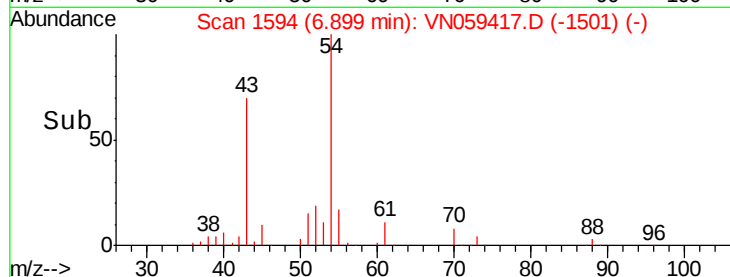
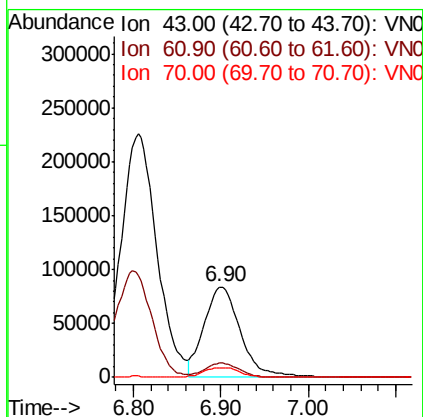
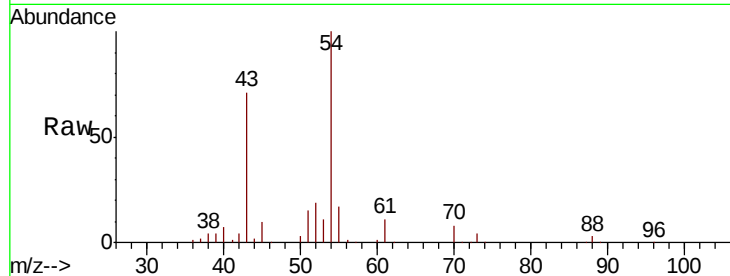




#37
Ethyl Acetate
Concen: 38.285 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

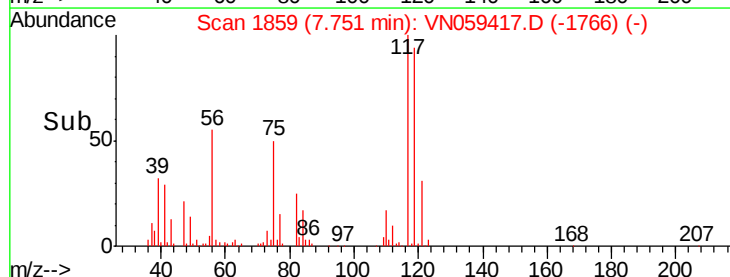
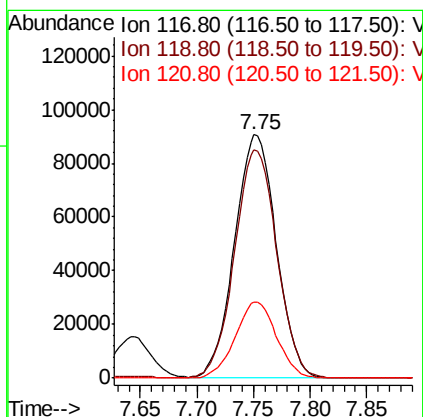
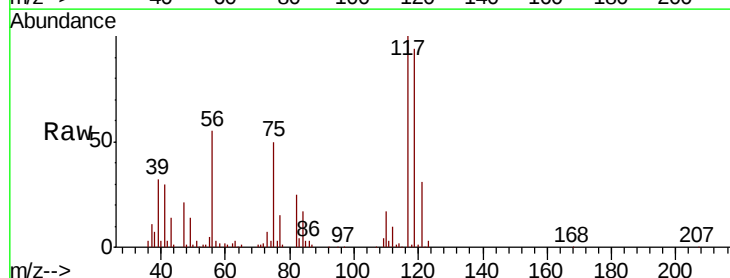
Instrument :
MSVOA_N
ClientSampled :

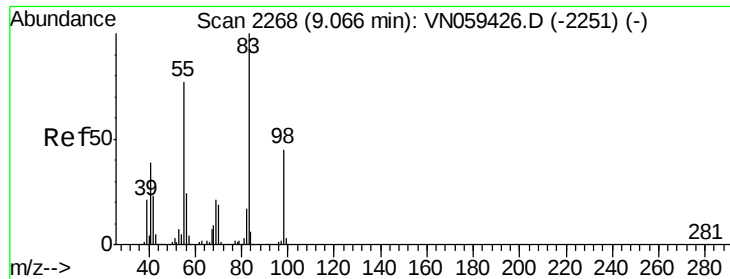
Tot Ion: 43 Resp: 238299
Ion Ratio Lower Upper
43 100
61 15.0 12.2 18.2
70 11.0 8.8 13.2



#38
Carbon Tetrachloride
Concen: 41.948 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 117 Resp: 232902
Ion Ratio Lower Upper
117 100
119 93.6 75.9 113.9
121 31.4 24.6 36.8

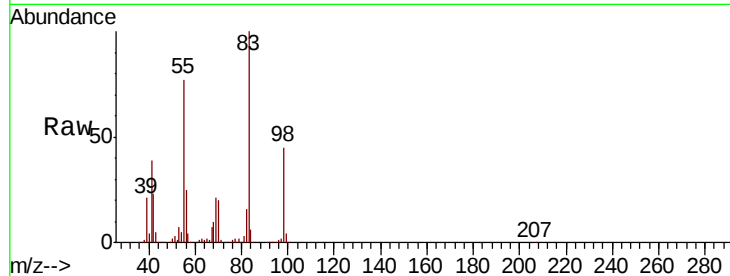




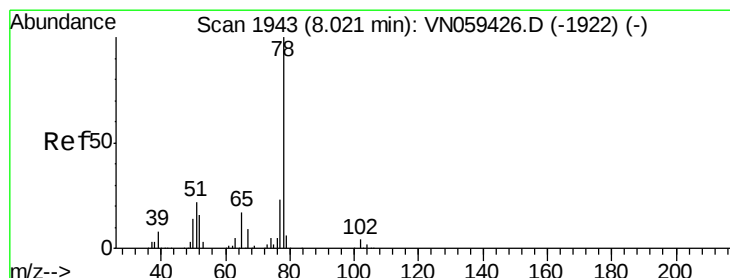
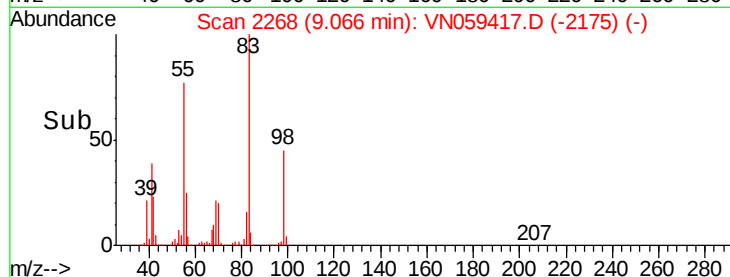
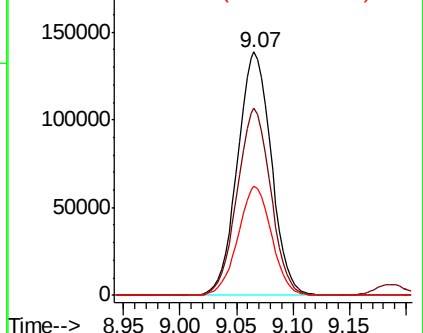
#39
Methvlcvclohexane
Concen: 41.001 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 288574
Ion Ratio Lower Upper
83 100
55 77.1 61.6 92.4
98 44.9 35.7 53.5

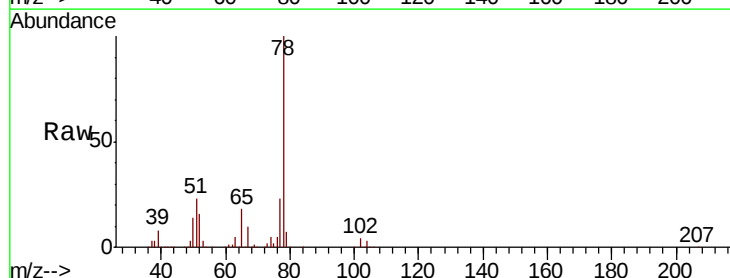


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

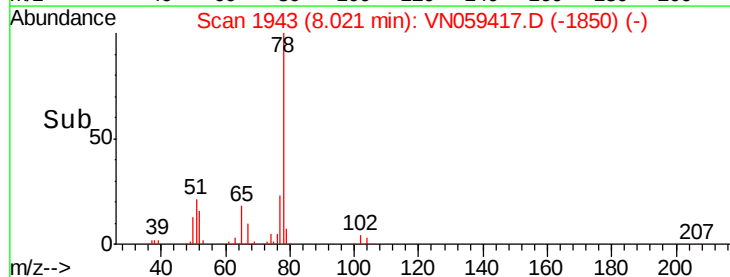
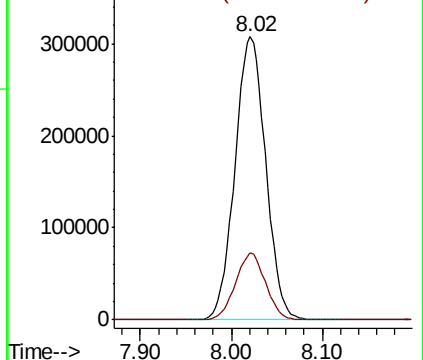


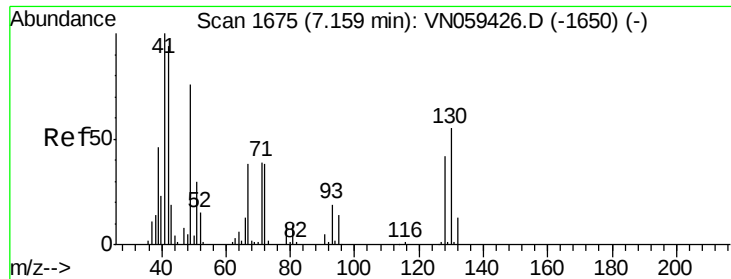
#40
Benzene
Concen: 41.359 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 78 Resp: 722462
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5



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

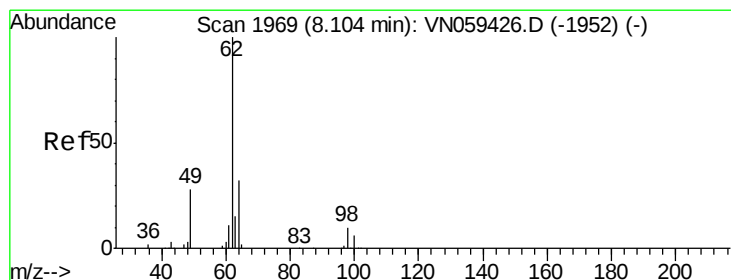
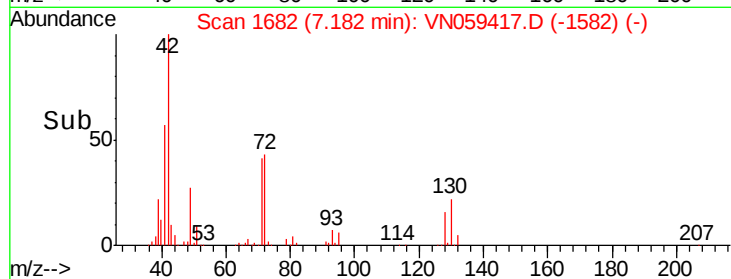
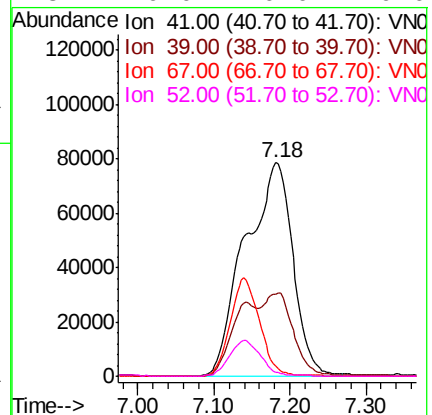
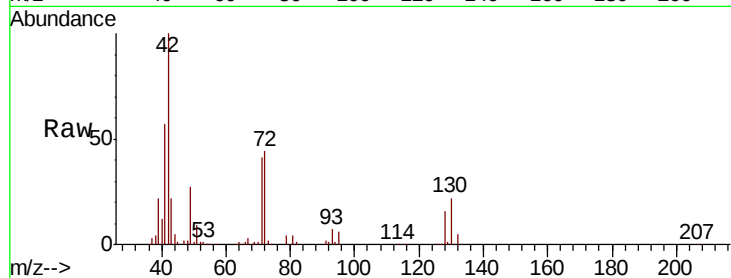




#41
Methacrylonitrile
Concen: 118.109 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.02 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

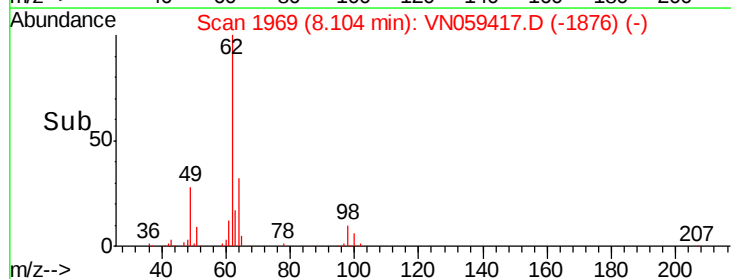
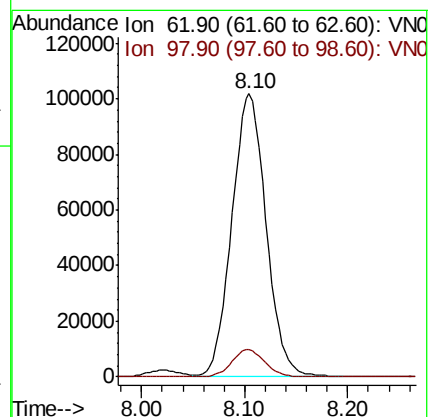
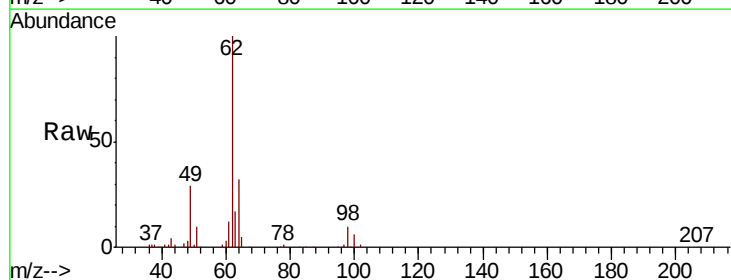
Instrument :
MSVOA_N
ClientSampleId :

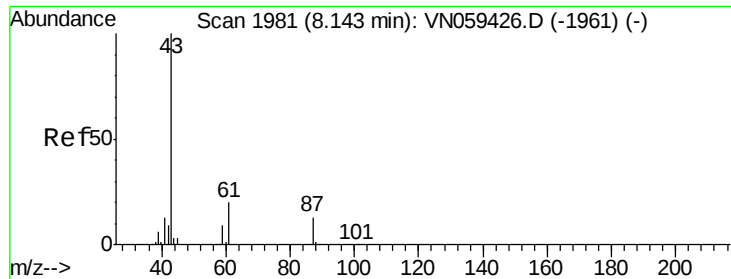
Tot Ion:	41	Resp:	342322
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 42.377 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion:	62	Resp:	234720
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.0

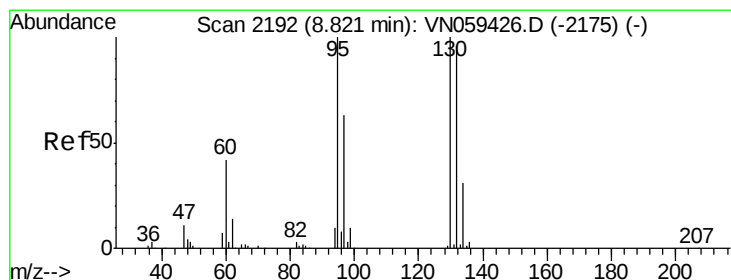
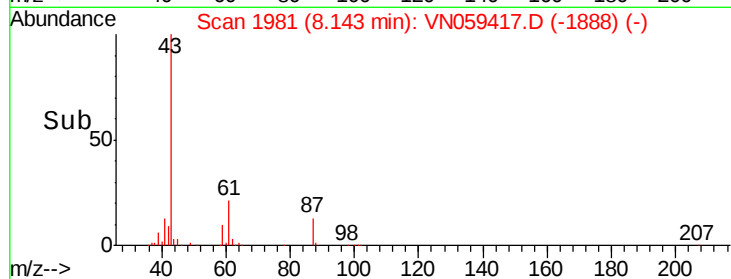
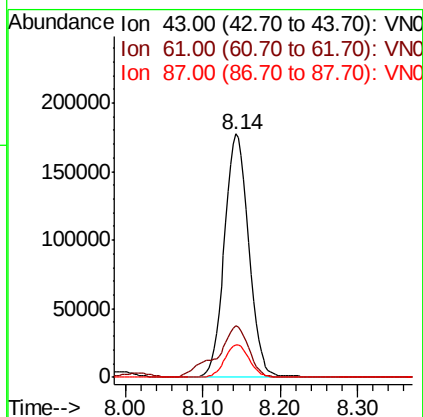
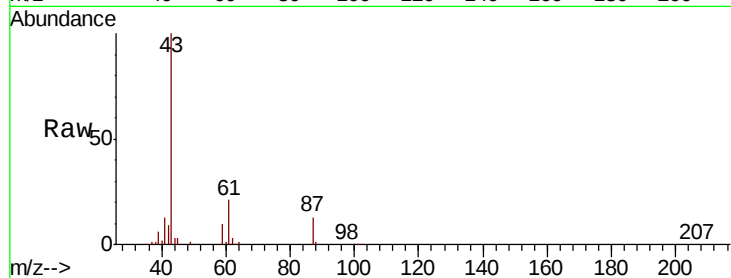




#43
Isopropyl Acetate
Concen: 40.665 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

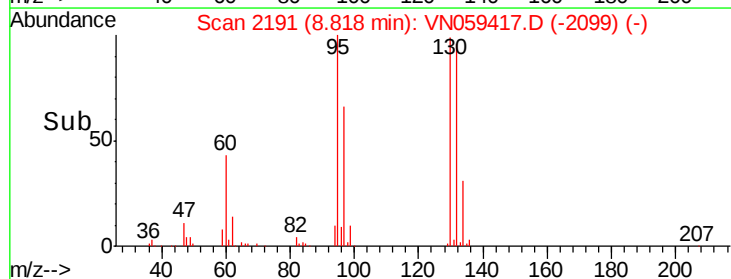
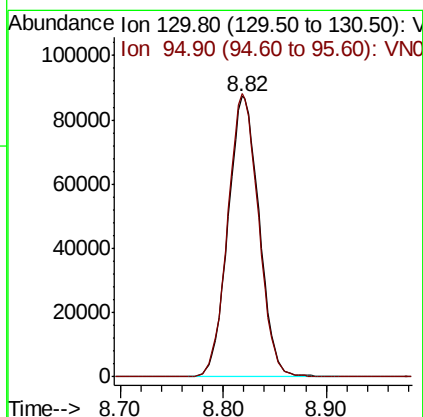
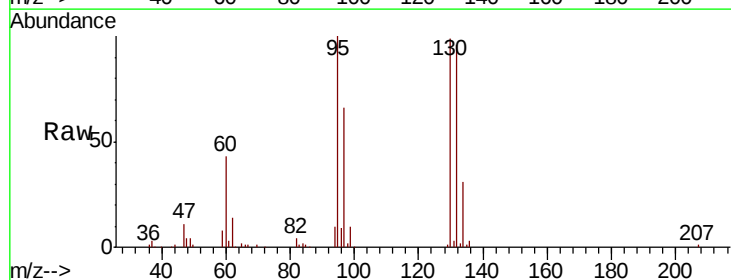
Instrument :
MSVOA_N
ClientSampleId :

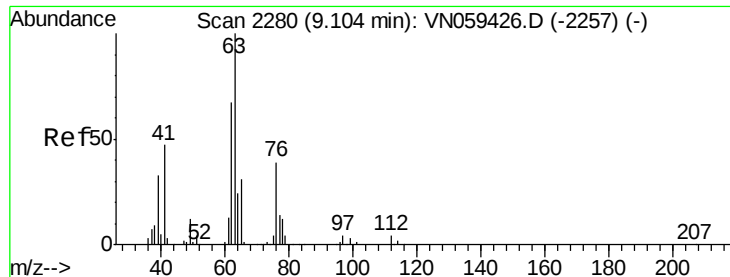
Tot Ion: 43 Resp: 384521
Ion Ratio Lower Upper
43 100
61 27.5 22.2 33.2
87 13.6 10.7 16.1



#44
Trichloroethene
Concen: 41.097 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion:130 Resp: 183043
Ion Ratio Lower Upper
130 100
95 100.8 0.0 199.6





#45

1,2-Dichloropropane

Concen: 41.833 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

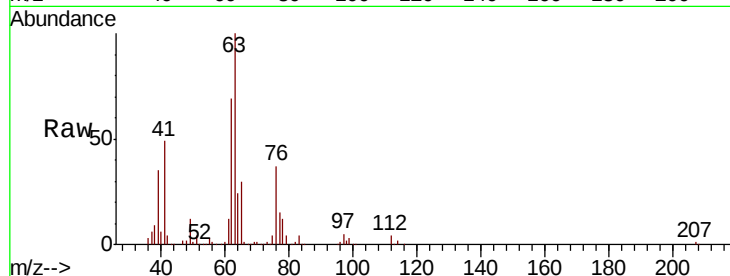
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 191138

Ion Ratio Lower Upper

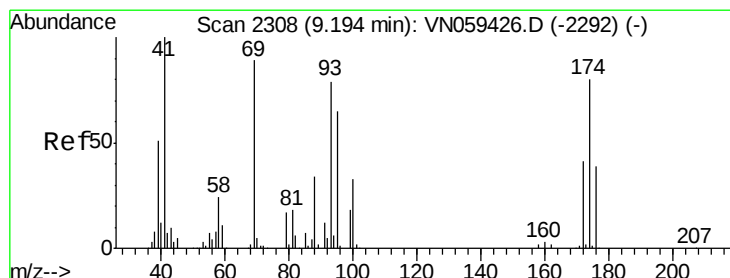
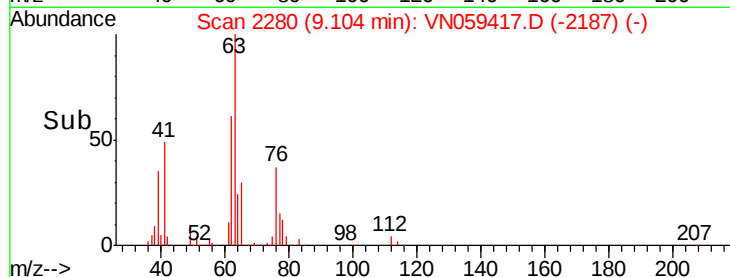
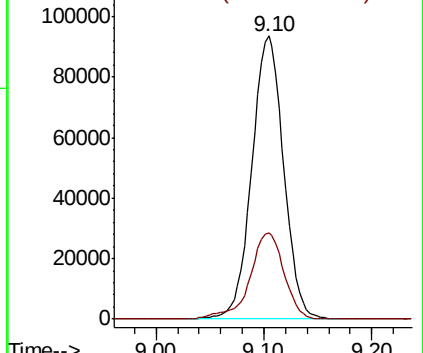
63 100

65 30.5 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 41.522 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

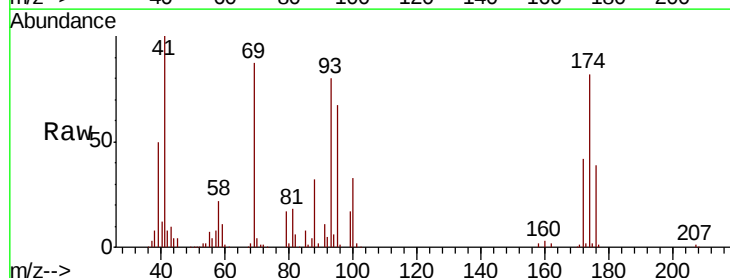
Tgt Ion: 93 Resp: 117074

Ion Ratio Lower Upper

93 100

95 84.0 66.2 99.4

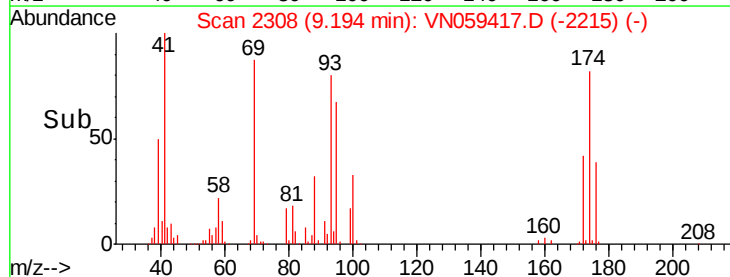
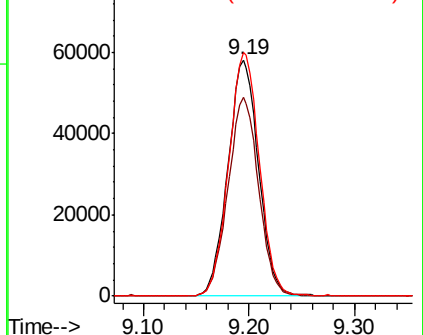
174 103.1 81.8 122.8

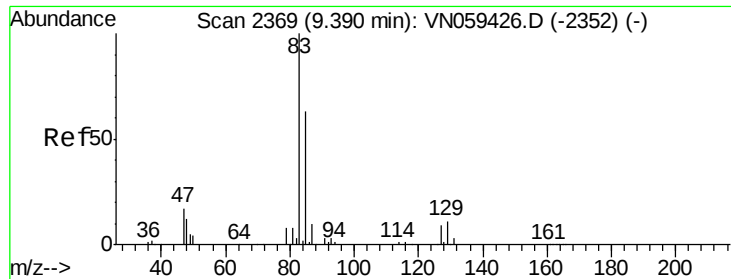


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 42.265 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

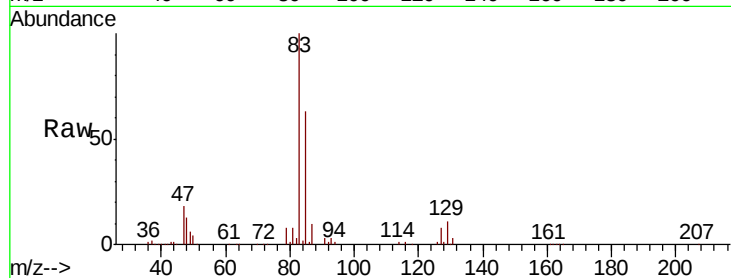
Tot Ion: 83 Resp: 241027

Ion Ratio Lower Upper

83 100

85 63.3 50.6 75.8

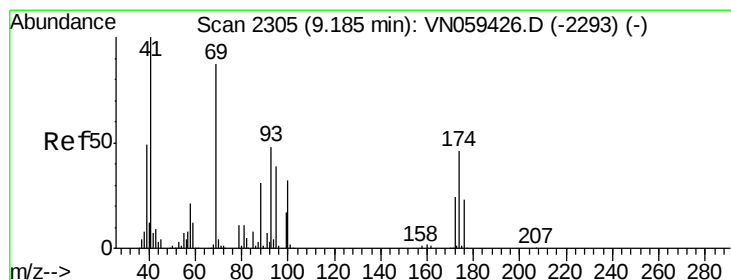
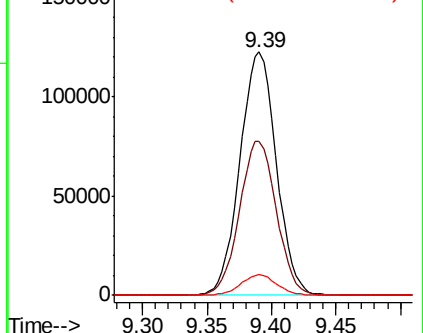
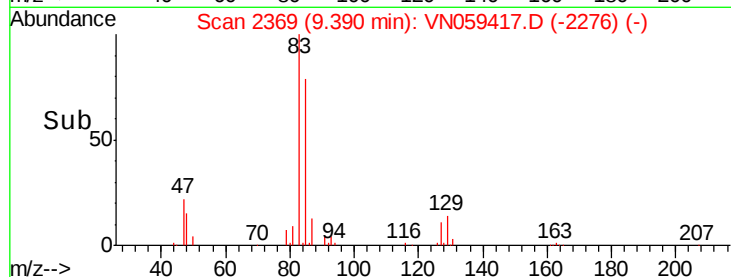
127 8.4 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN059417.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059417.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059417.D (-2276) (-)



#48

Methyl methacrylate

Concen: 41.228 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

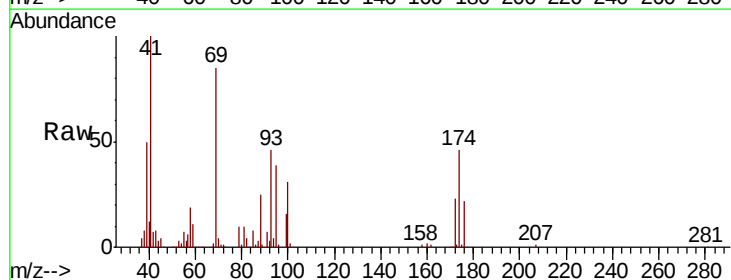
Tgt Ion: 41 Resp: 172957

Ion Ratio Lower Upper

41 100

69 89.1 71.6 107.4

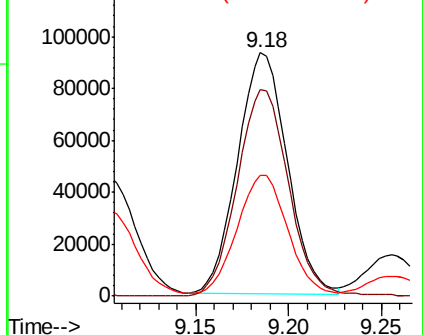
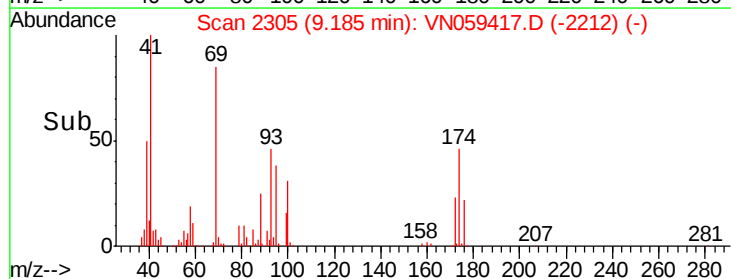
39 51.5 41.3 61.9

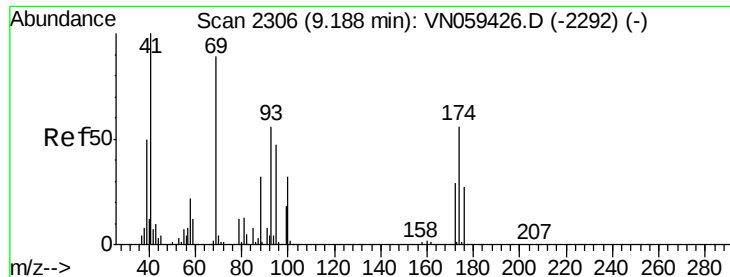


Abundance Ion 41.00 (40.70 to 41.70): VN059417.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059417.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059417.D (-2212) (-)

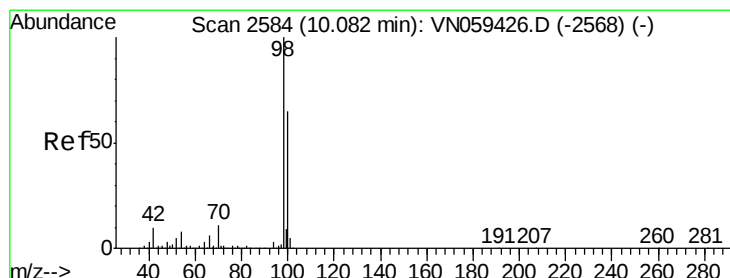
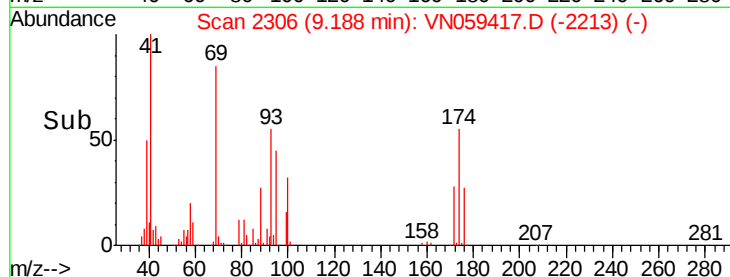
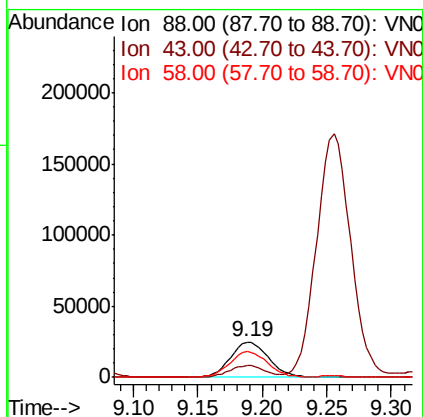
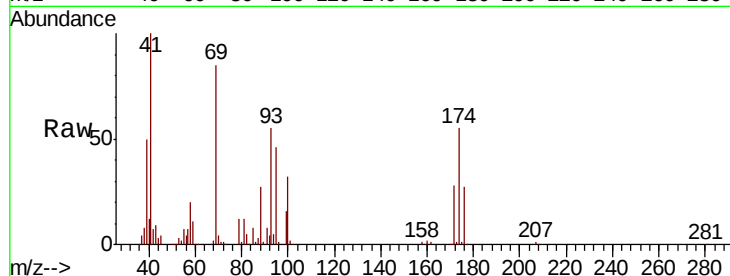




#49
1,4-Dioxane
Concen: 843.902 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

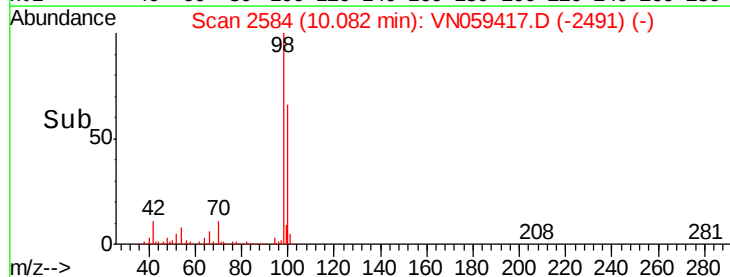
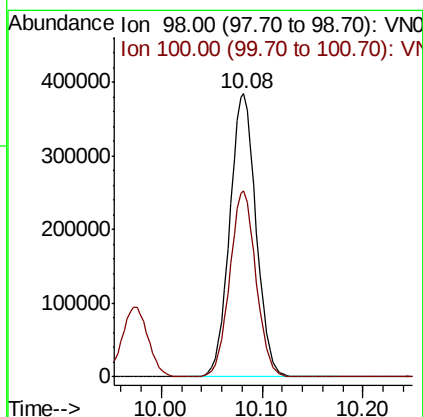
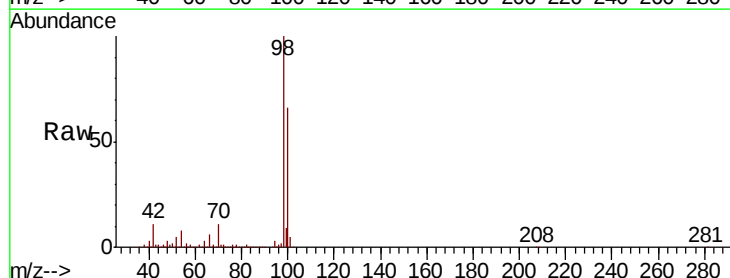
Instrument :
MSVOA_N
ClientSampled :

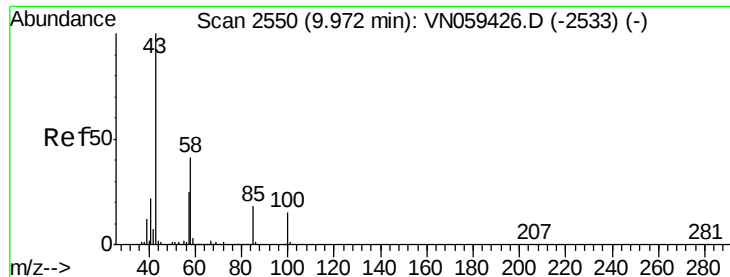
Tot Ion: 88 Resp: 51706
Ion Ratio Lower Upper
88 100
43 29.6 23.7 35.5
58 71.7 56.3 84.5



#50
Toluene-d8
Concen: 47.087 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 98 Resp: 699140
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2

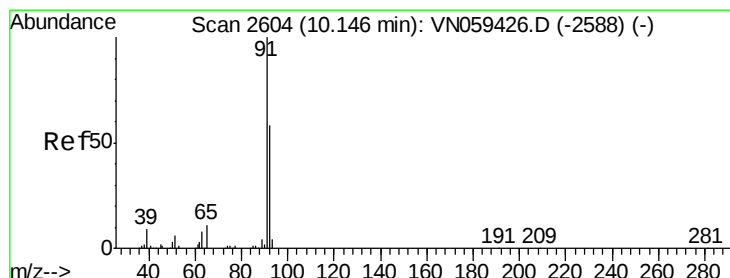
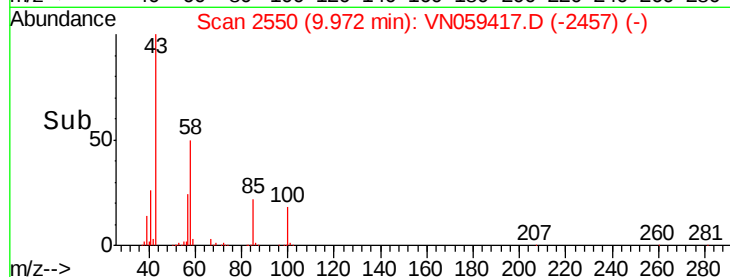
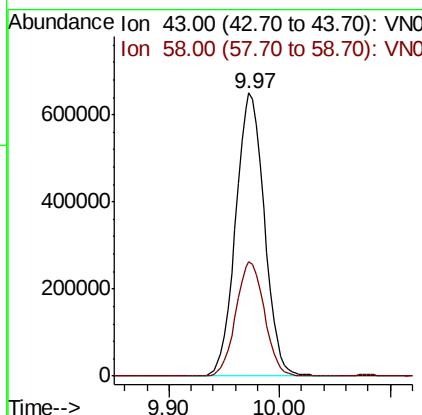
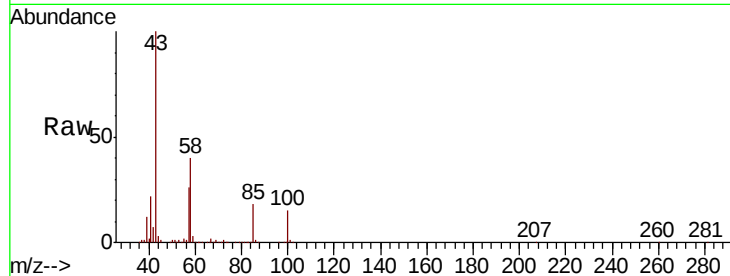




#51
 4-Methyl-2-Pentanone
 Concen: 213.068 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

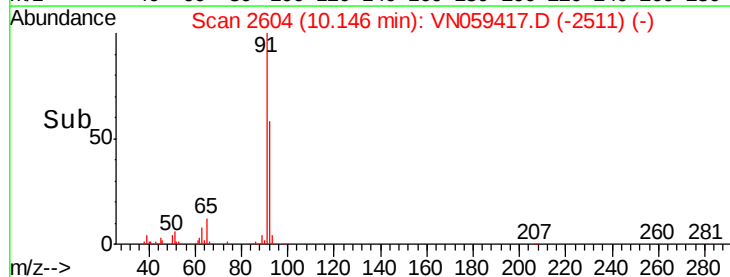
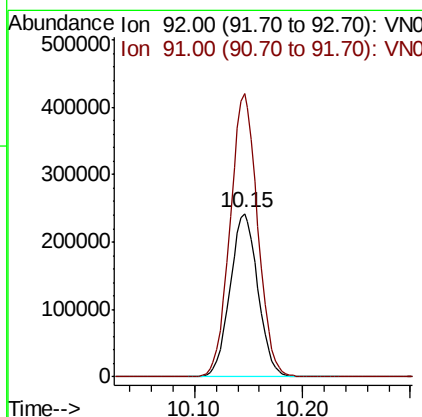
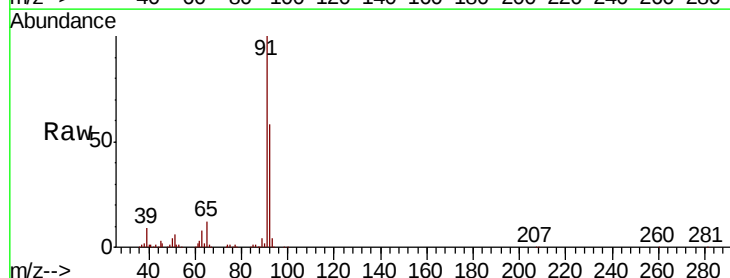
Instrument :
 MSVOA_N
 ClientSampled :

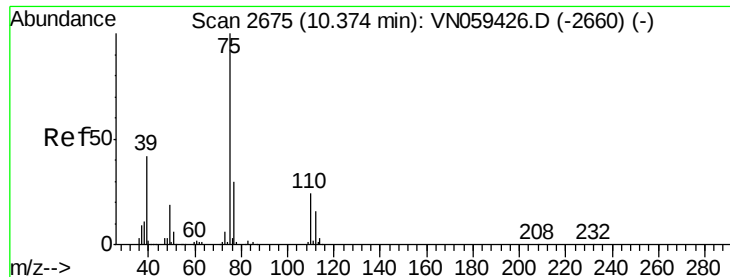
Tot Ion: 43 Resp: 1168628
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.5 48.7



#52
 Toluene
 Concen: 41.672 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion: 92 Resp: 434883
 Ion Ratio Lower Upper
 92 100
 91 172.5 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 42.828 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

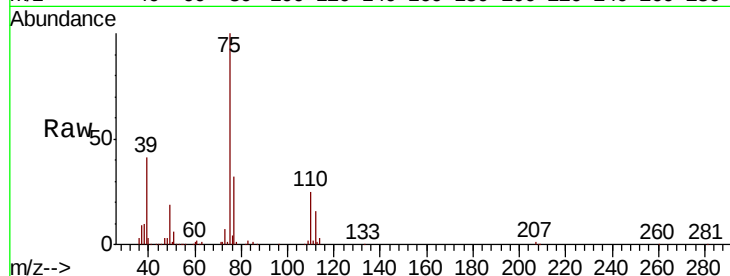
ClientSampleId :

Tot Ion: 75 Resp: 280649

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

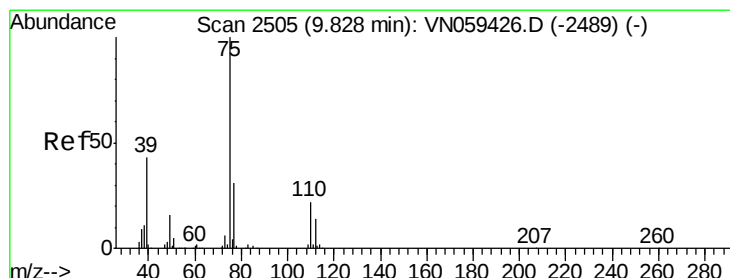
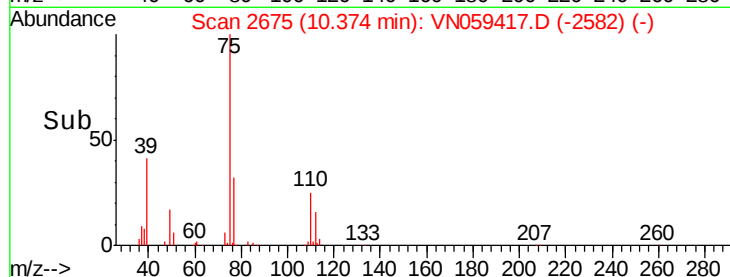
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 43.545 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

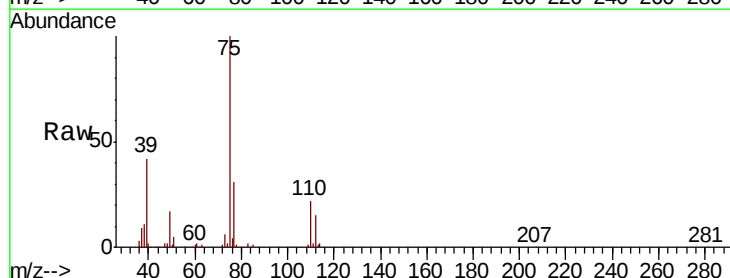
Tgt Ion: 75 Resp: 308029

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 42.5 34.0 51.0



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

200000

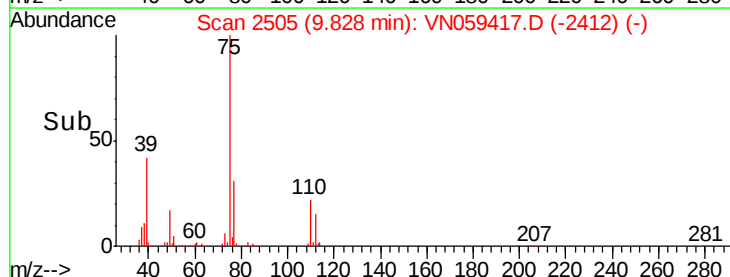
150000

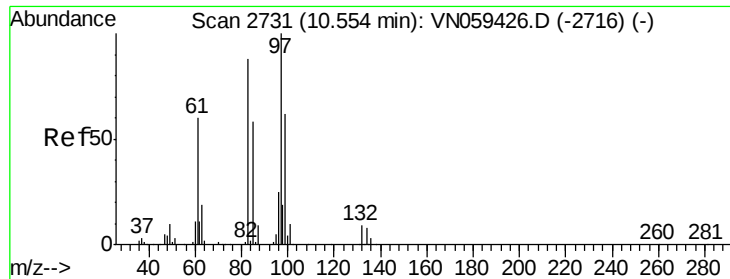
100000

50000

0

Time-->

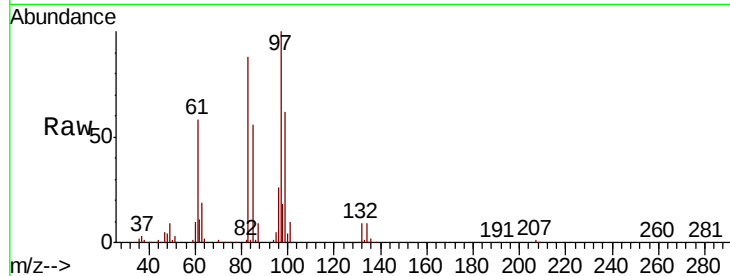




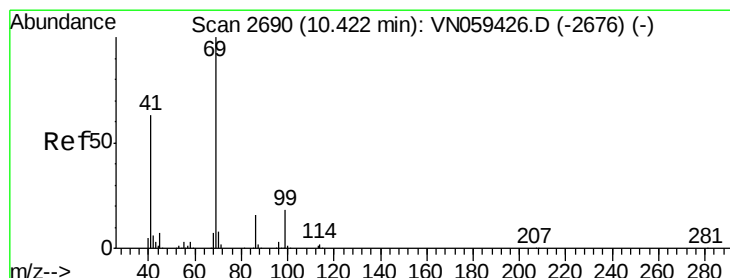
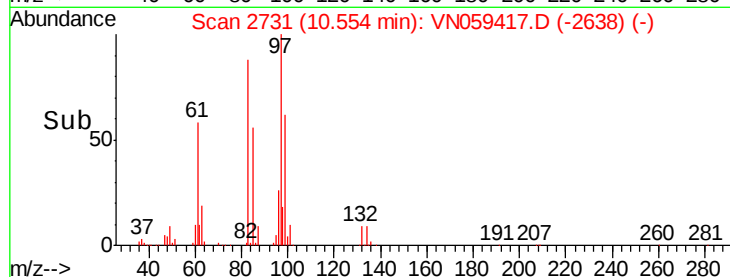
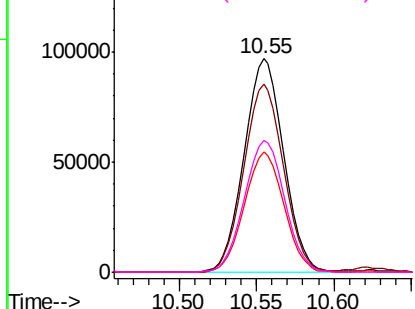
#55
 1,1,2-Trichloroethane
 Concen: 42.317 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	172851
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.7	106.1
85	56.4	46.4	69.6
99	61.5	49.6	74.4

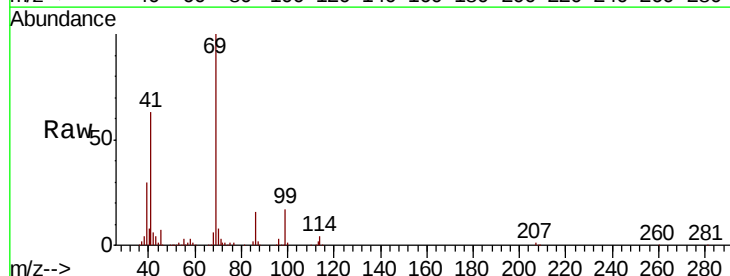


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

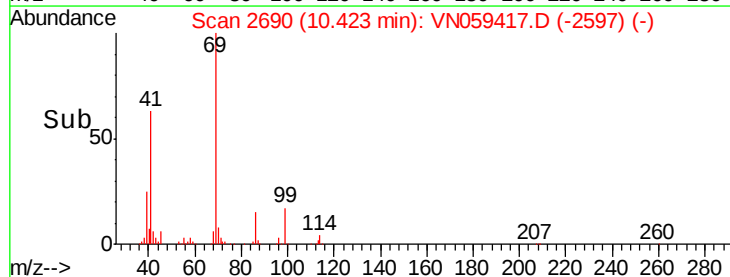
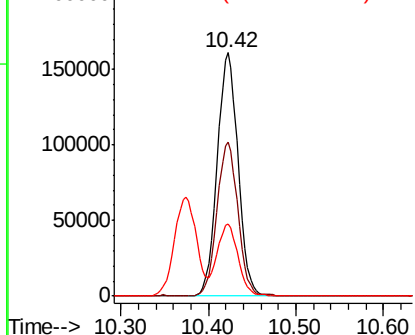


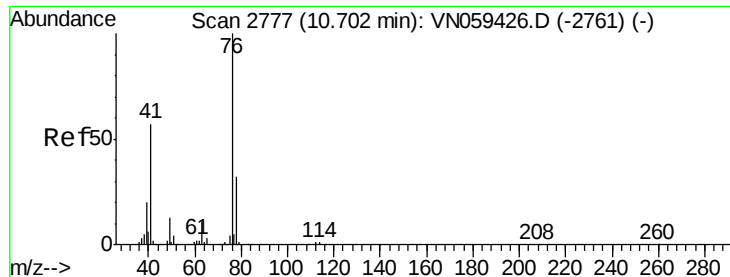
#56
 Ethyl methacrylate
 Concen: 46.739 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion:	69	Resp:	266167
Ion	Ratio	Lower	Upper
69	100		
41	63.0	50.1	75.1
39	29.5	23.9	35.9



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





#57

1,3-Dichloropropane

Concen: 41.872 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

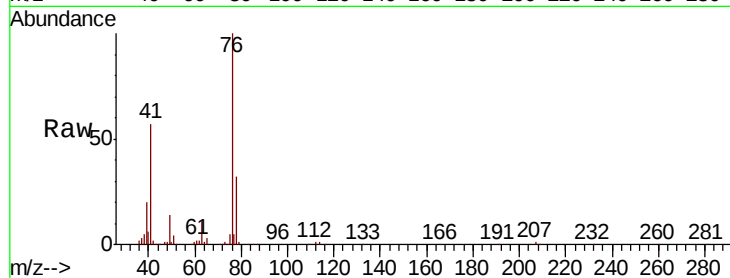
ClientSampled :

Tot Ion: 76 Resp: 295609

Ion Ratio Lower Upper

76 100

78 32.8 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

150000

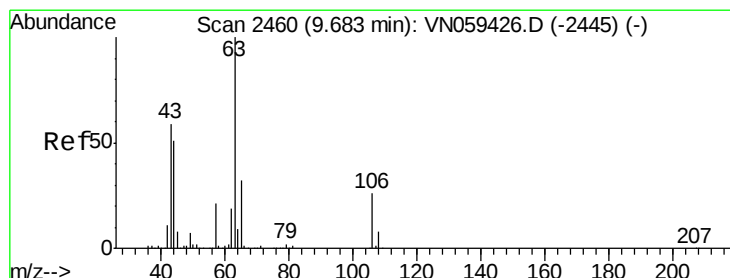
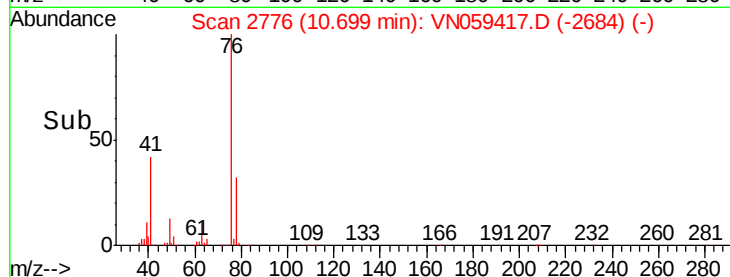
100000

50000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 291.857 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059417.D

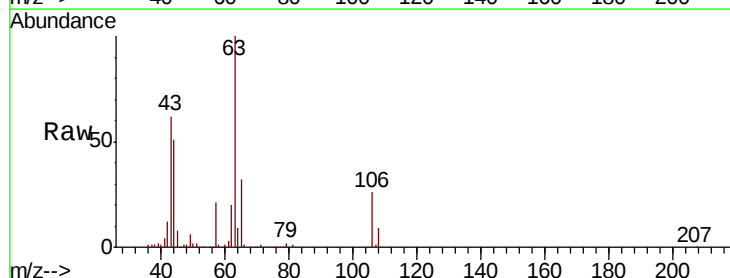
Acq: 27 Nov 2019 10:28

Tgt Ion: 63 Resp: 510791

Ion Ratio Lower Upper

63 100

106 26.1 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

300000

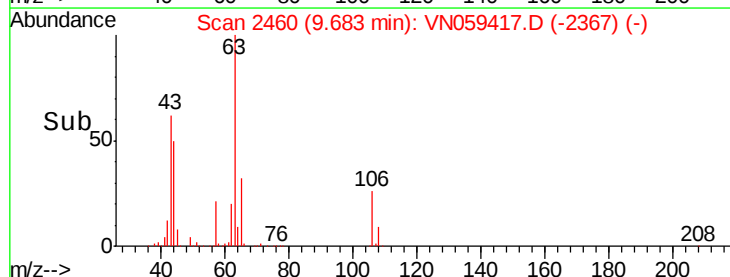
200000

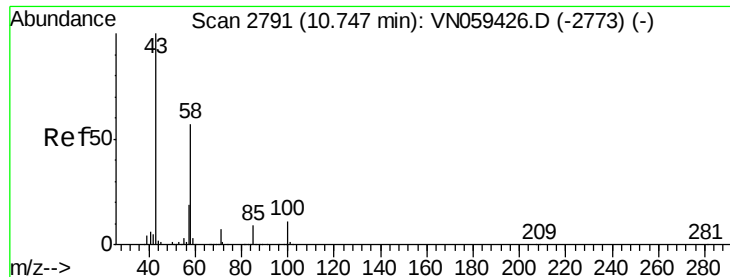
100000

0

Time-->

9.60 9.70 9.80

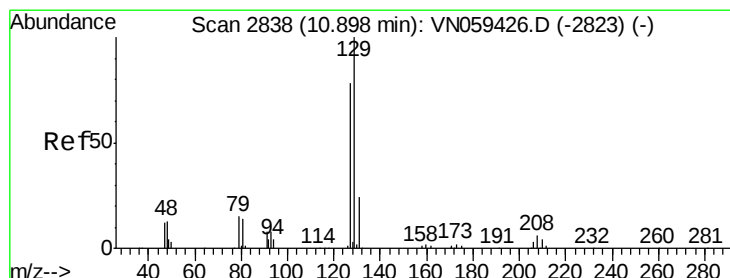
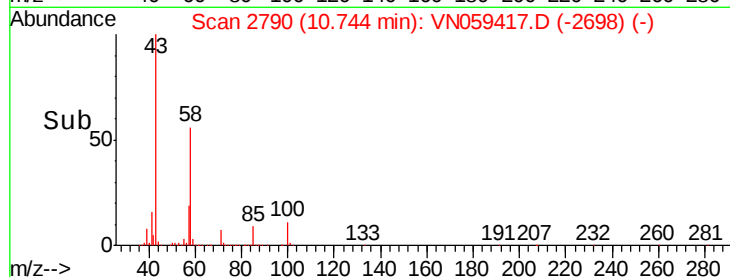
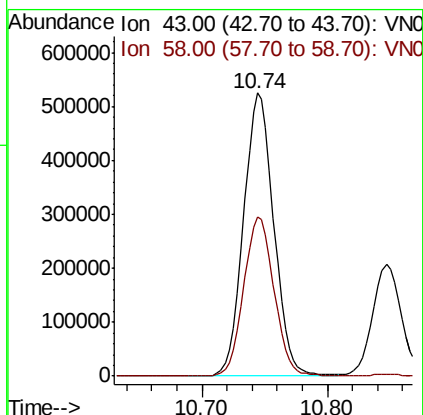
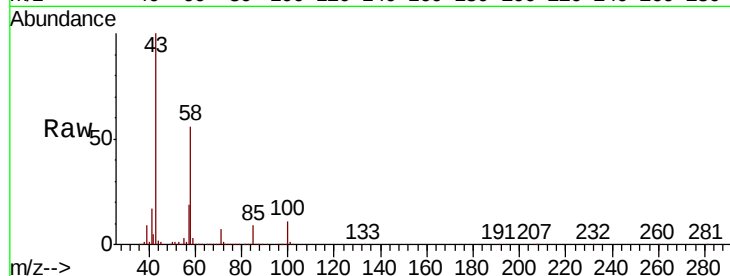




#59
2-Hexanone
Concen: 216.146 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

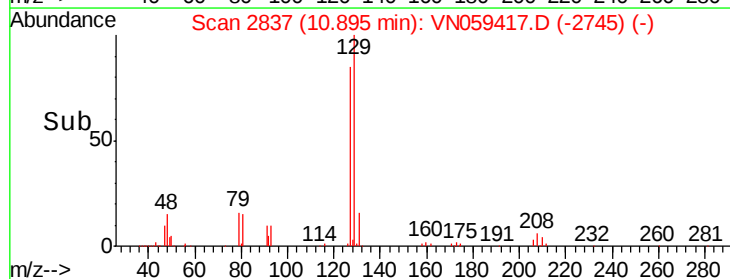
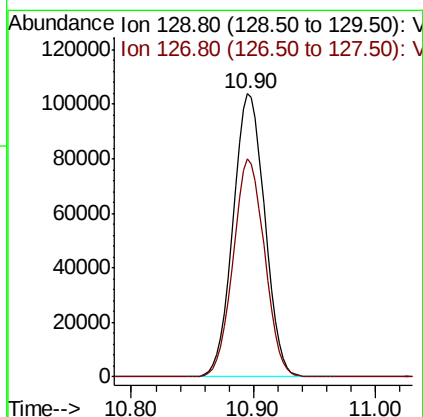
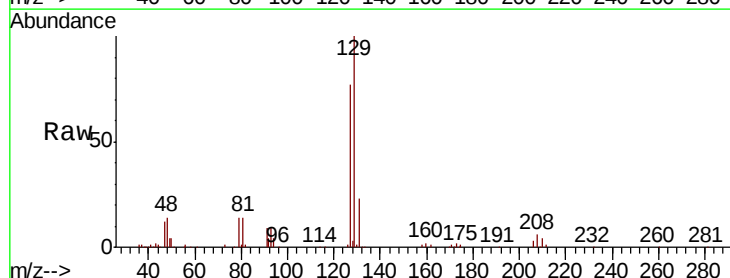
Instrument :
MSVOA_N
ClientSampleId :

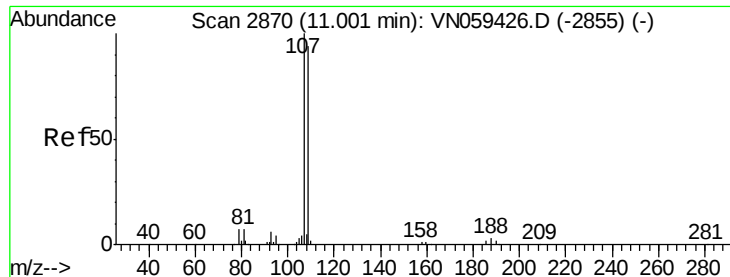
Tot Ion: 43 Resp: 879076
Ion Ratio Lower Upper
43 100
58 56.6 28.3 85.0



#60
Dibromochloromethane
Concen: 43.910 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion: 129 Resp: 187221
Ion Ratio Lower Upper
129 100
127 76.3 38.6 116.0





#61

1,2-Dibromoethane

Concen: 42.158 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

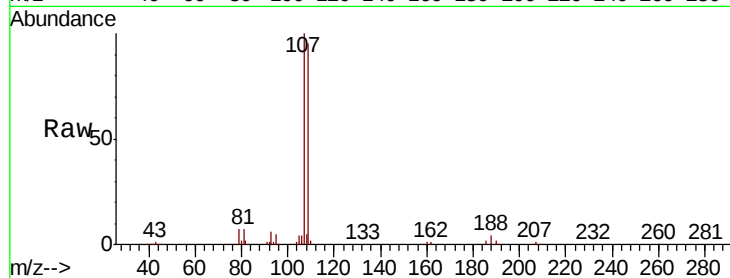
ClientSampled :

Tot Ion:107 Resp: 176459

Ion Ratio Lower Upper

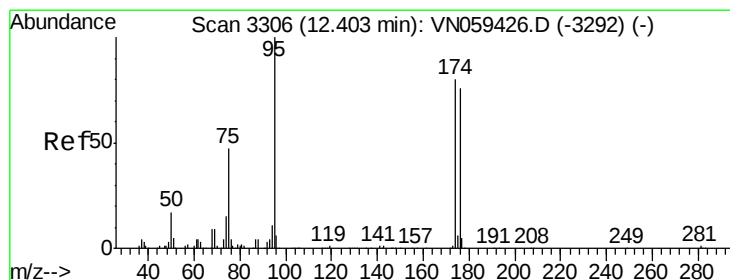
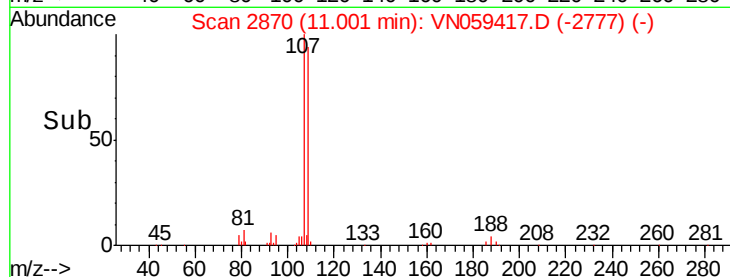
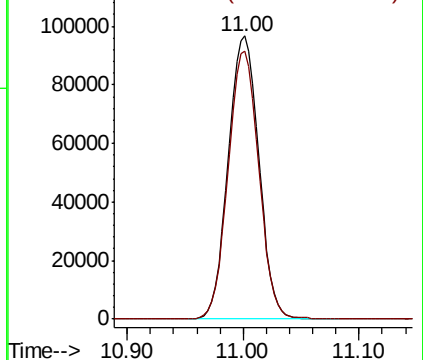
107 100

109 94.6 75.8 113.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.519 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

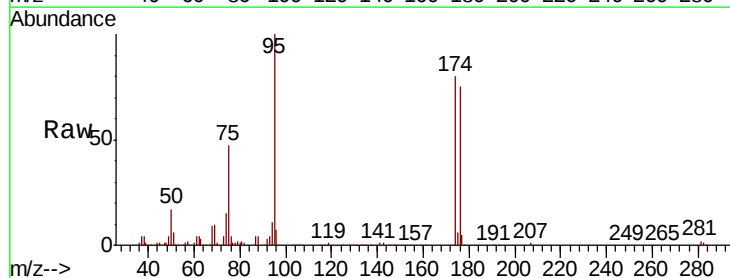
Tgt Ion: 95 Resp: 250834

Ion Ratio Lower Upper

95 100

174 80.3 0.0 158.0

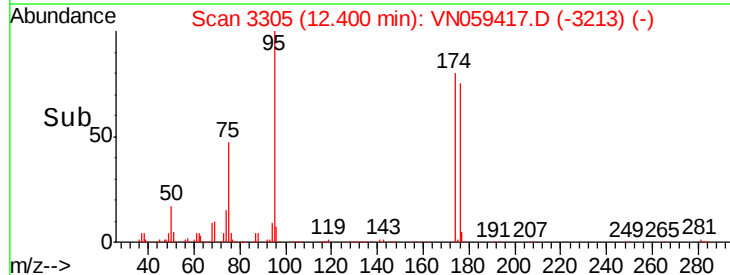
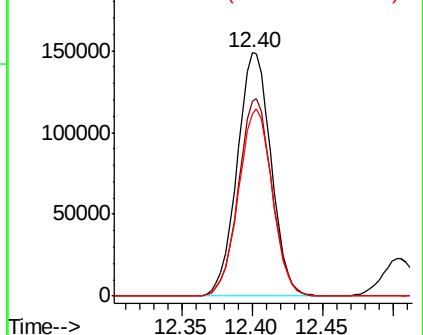
176 76.8 0.0 153.0

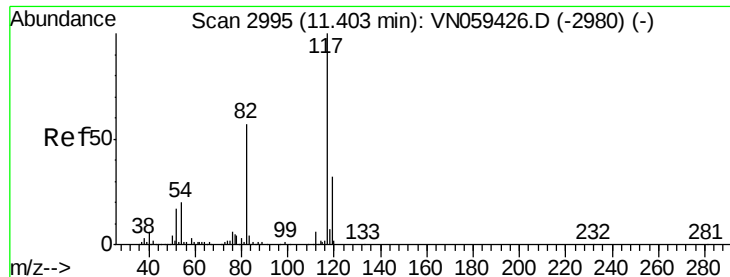


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

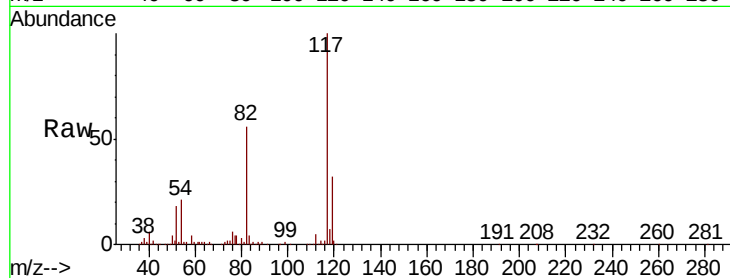
Tot Ion:117 Resp: 547795

Ion Ratio Lower Upper

117 100

82 56.1 45.4 68.0

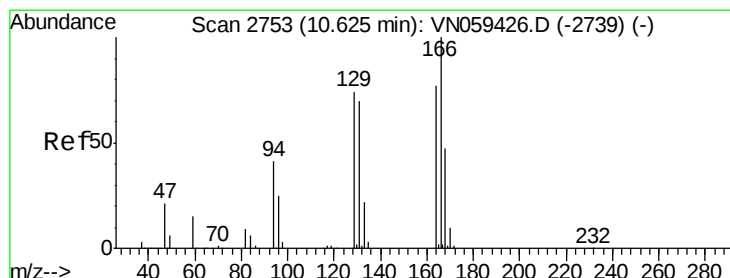
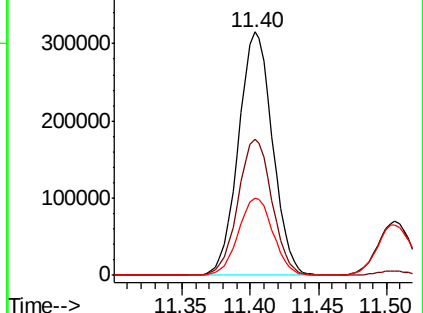
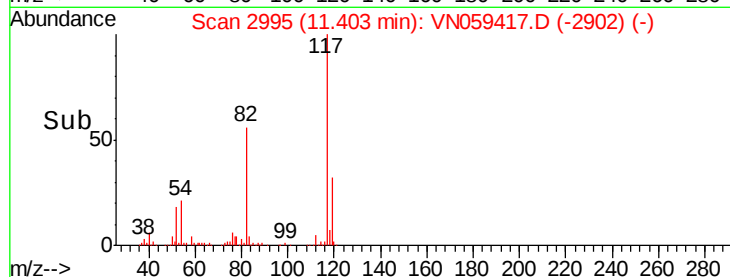
119 31.8 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 40.404 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Tgt Ion:164 Resp: 163709

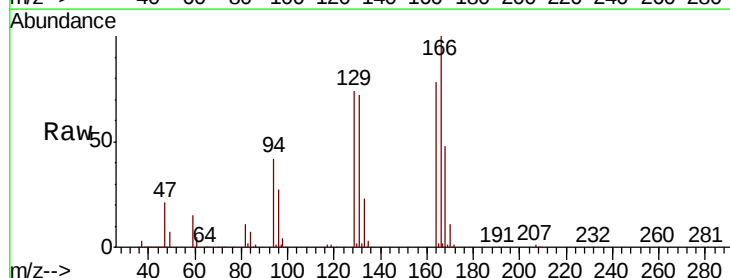
Ion Ratio Lower Upper

164 100

166 128.2 104.2 156.4

129 95.3 76.8 115.2

131 92.1 73.0 109.6

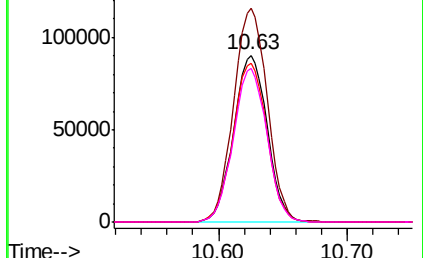
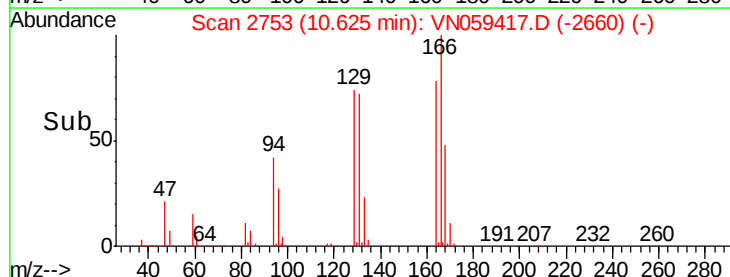


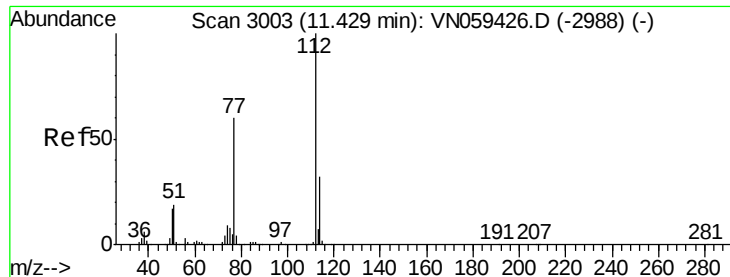
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

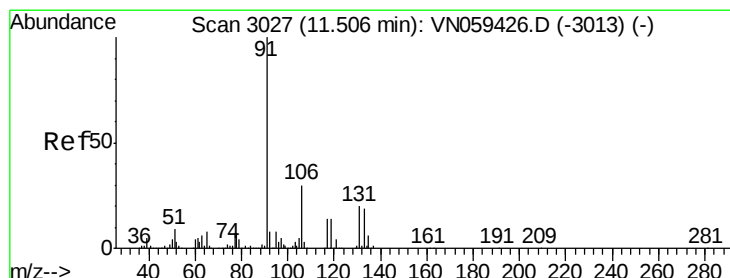
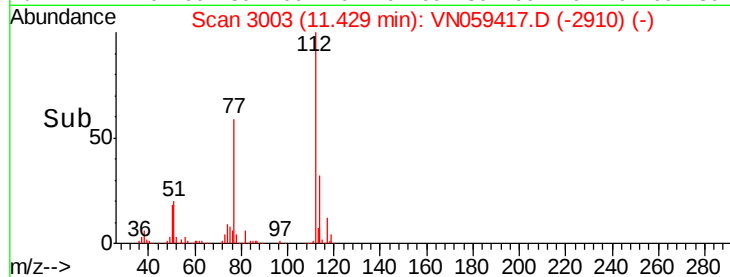
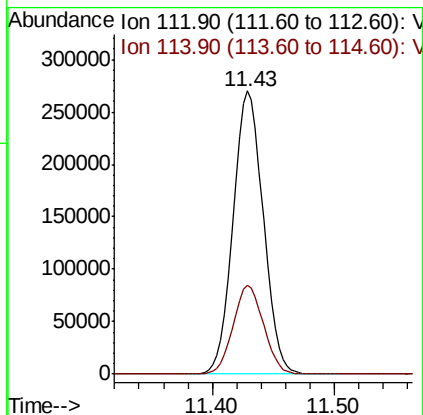
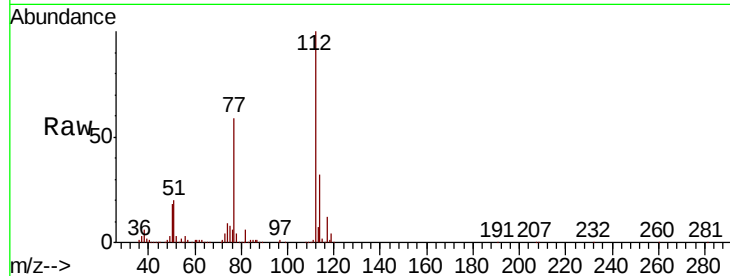




#65
Chlorobenzene
Concen: 41.623 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

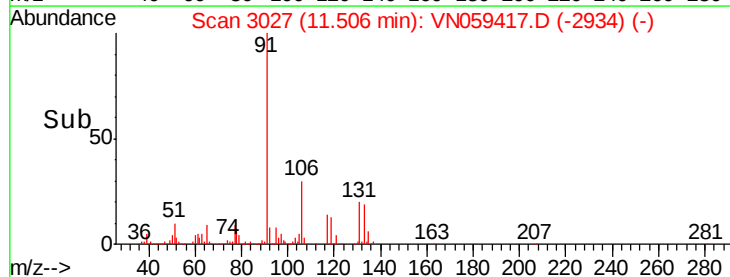
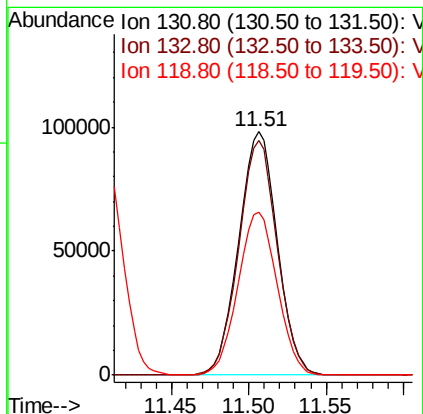
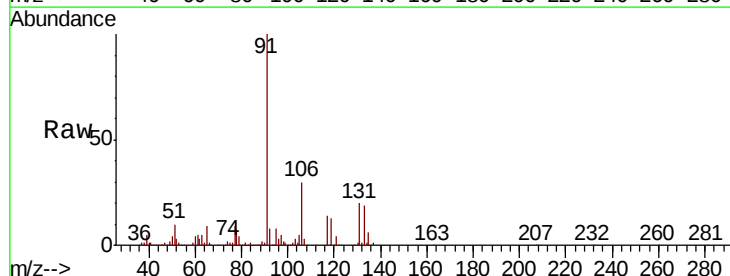
Instrument :
MSVOA_N
ClientSampleId :

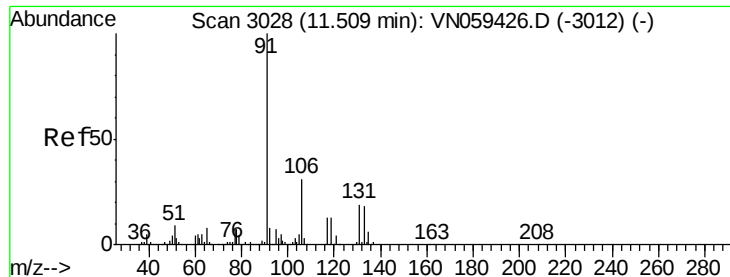
Tot Ion:112 Resp: 461595
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 42.350 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion:131 Resp: 170317
Ion Ratio Lower Upper
131 100
133 96.5 48.2 144.6
119 68.0 33.8 101.3





#67

Ethyl Benzene

Concen: 42.642 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

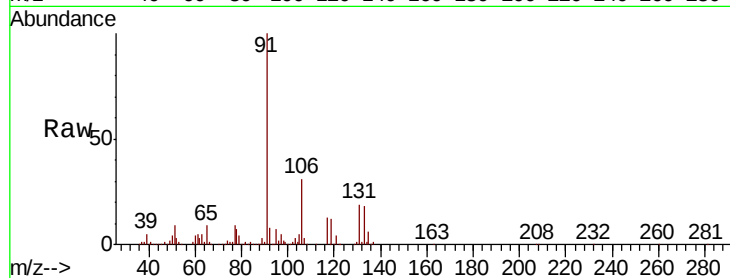
ClientSampled :

Tot Ion: 91 Resp: 830630

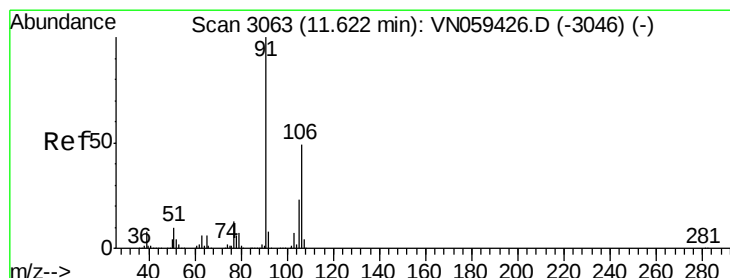
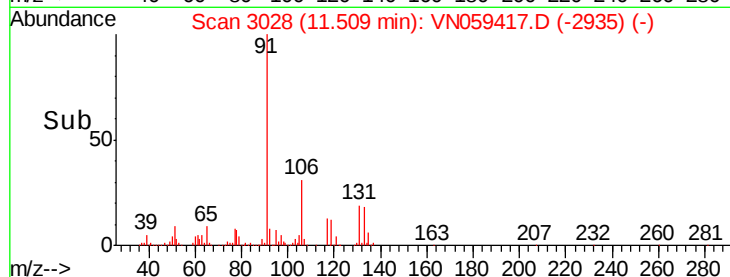
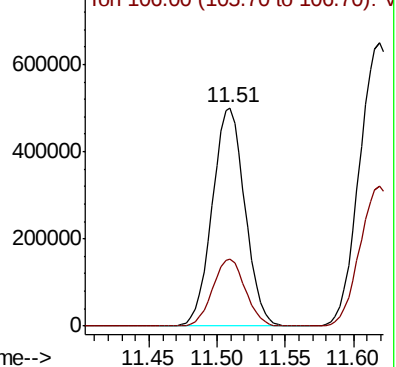
Ion Ratio Lower Upper

91 100

106 31.0 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN059417.D (-2935) (-)



#68

m/p-Xylenes

Concen: 84.971 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059417.D

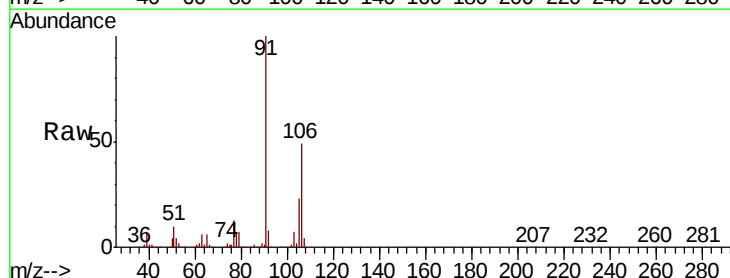
Acq: 27 Nov 2019 10:28

Tgt Ion: 106 Resp: 617963

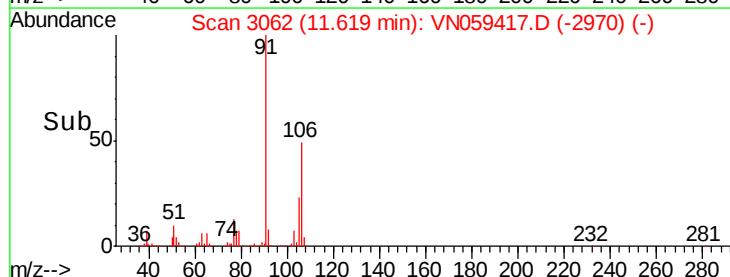
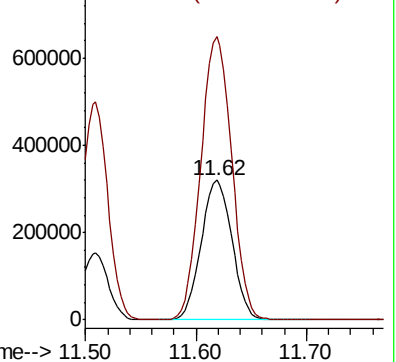
Ion Ratio Lower Upper

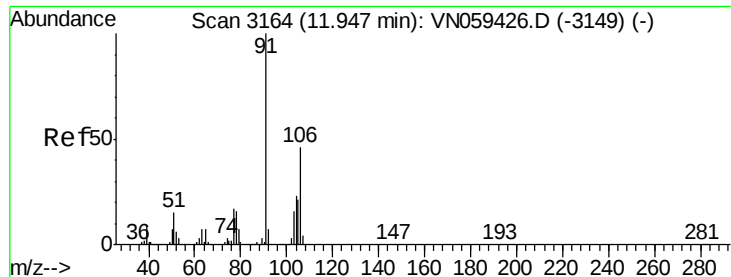
106 100

91 203.9 163.7 245.5



Abundance Ion 106.00 (105.70 to 106.70): VN059417.D (-2970) (-)

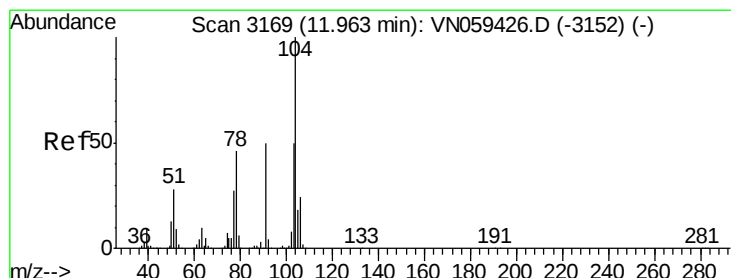
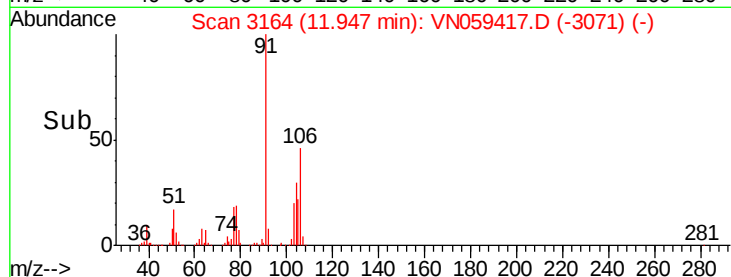
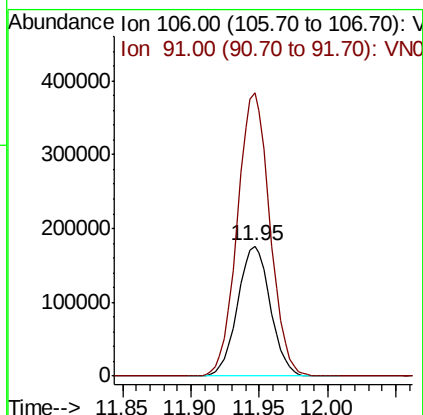
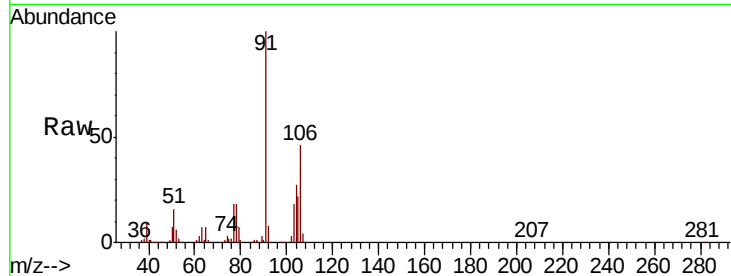




#69
o-Xylene
Concen: 42.006 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

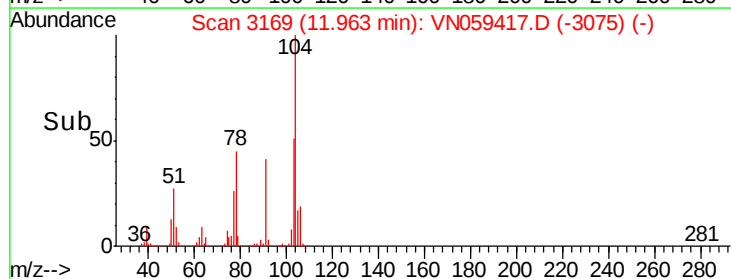
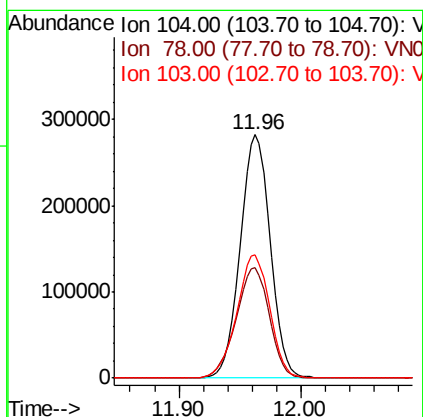
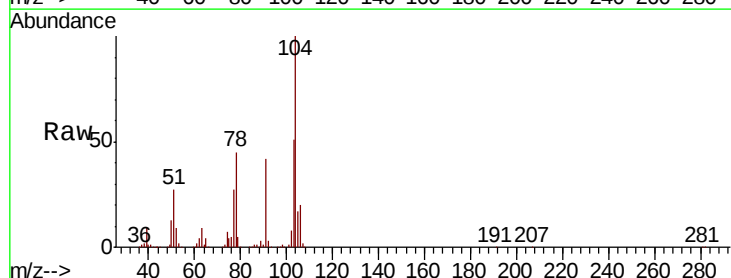
Instrument :
MSVOA_N
ClientSampleId :

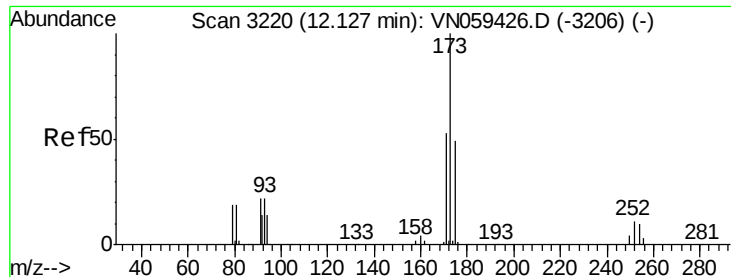
Tot Ion:106 Resp: 292980
Ion Ratio Lower Upper
106 100
91 216.8 107.5 322.4



#70
Styrene
Concen: 46.041 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion:104 Resp: 479032
Ion Ratio Lower Upper
104 100
78 50.4 40.4 60.6
103 55.7 43.8 65.6

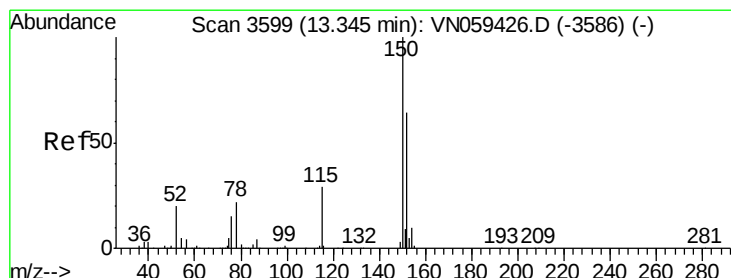
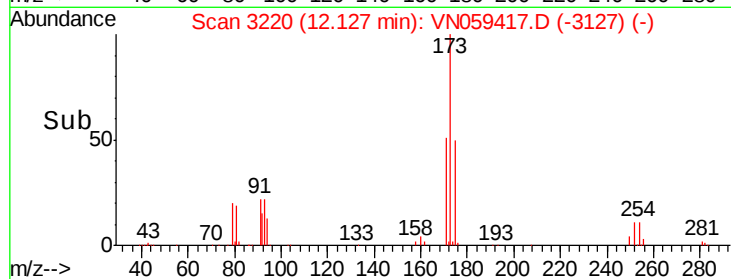
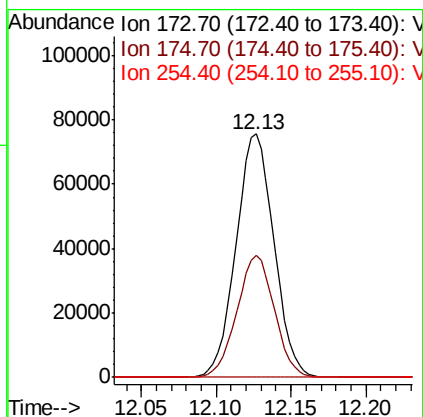
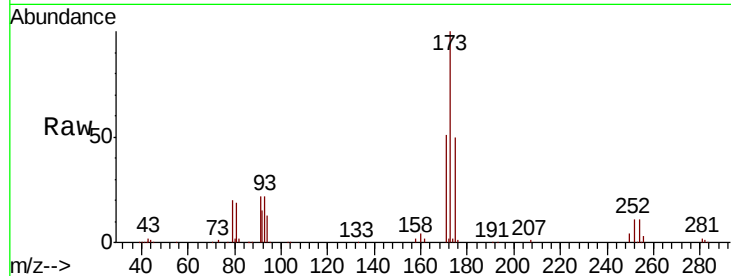




#71
Bromoform
Concen: 43.590 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

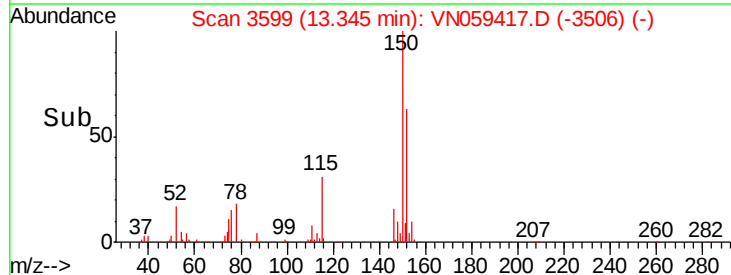
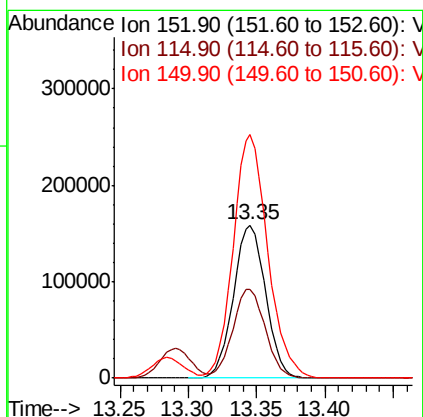
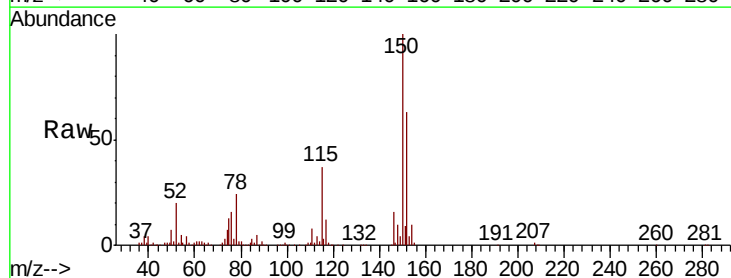
Instrument :
MSVOA_N
ClientSampled :

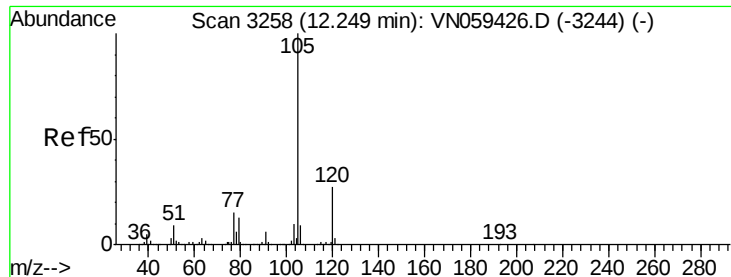
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.3
254	0.1	0.0	0.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	29.5	88.6
150	170.6	0.0	347.2





#73

Isopropylbenzene

Concen: 41.307 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

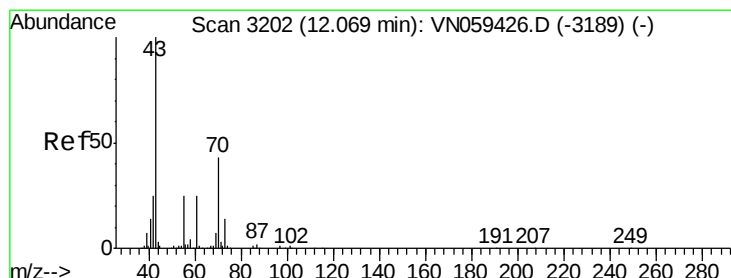
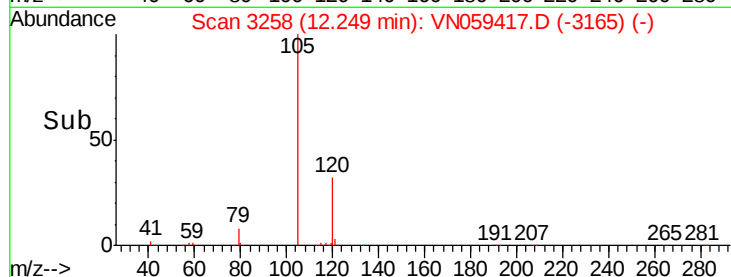
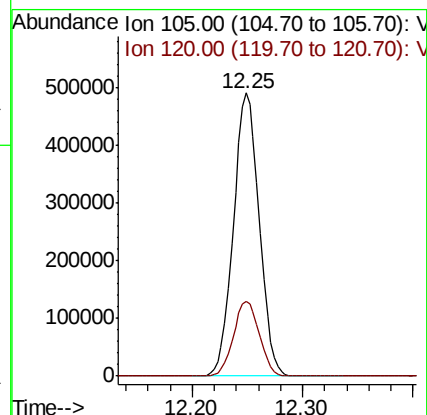
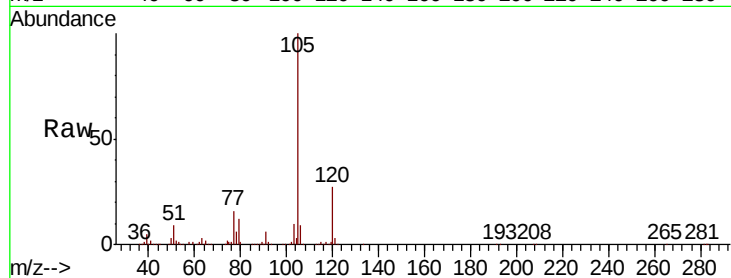
ClientSampled :

Tot Ion: 105 Resp: 794004

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



#74

N-ethyl acetate

Concen: 45.137 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Tgt Ion: 43 Resp: 303392

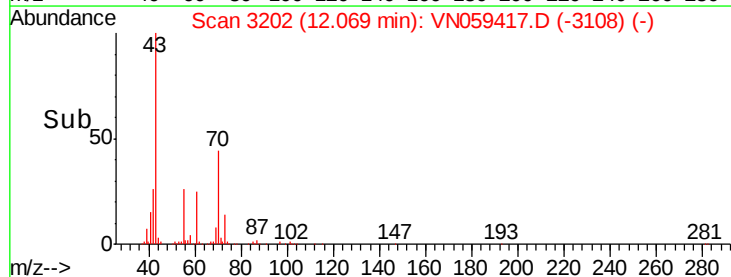
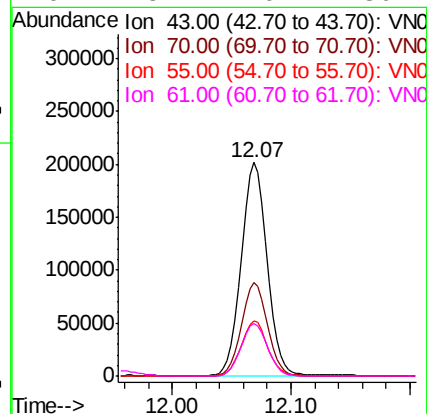
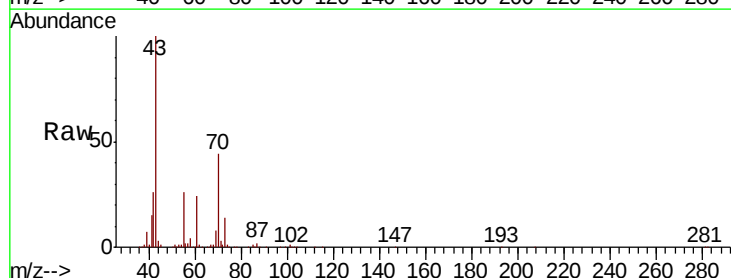
Ion Ratio Lower Upper

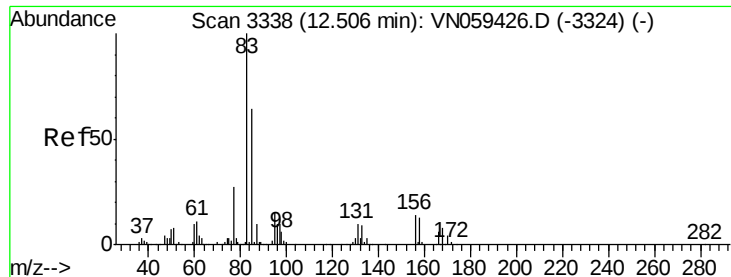
43 100

70 44.0 34.6 52.0

55 26.5 20.5 30.7

61 25.1 20.2 30.4





#75

1,1,2,2-Tetrachloroethane

Concen: 40.458 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059417.D

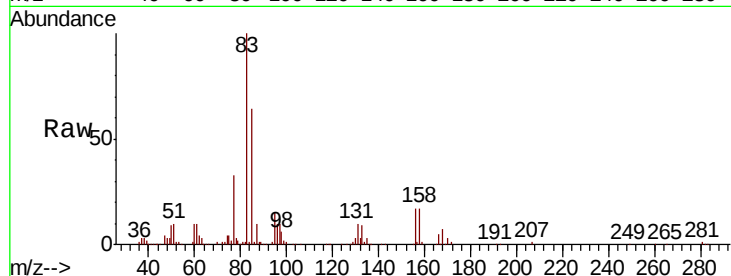
Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

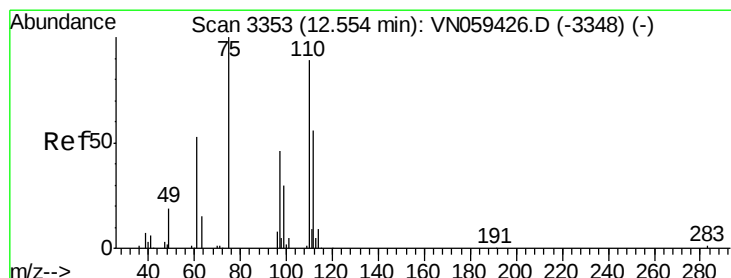
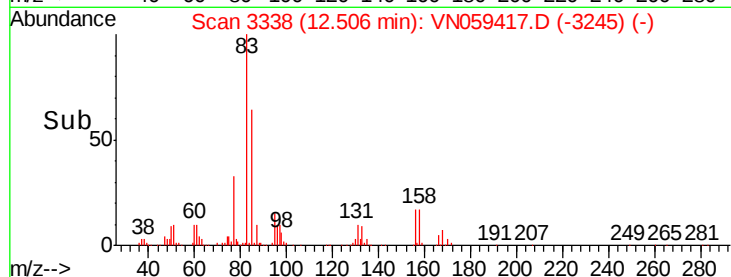
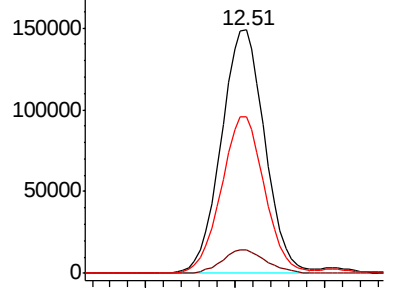
Tot Ion:	83	Resp:	253611
Ion	Ratio	Lower	Upper
83	100		
131	9.7	5.0	15.0
85	64.2	32.3	96.9



Abundance Ion 82.90 (82.60 to 83.60): VN059417.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059417.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059417.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 56.762 ug/l

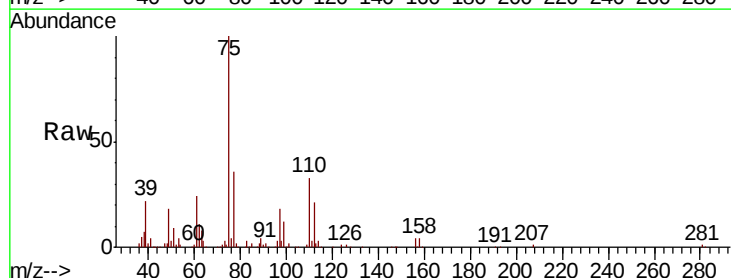
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059417.D

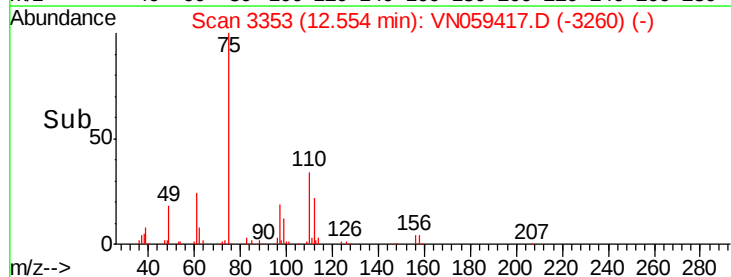
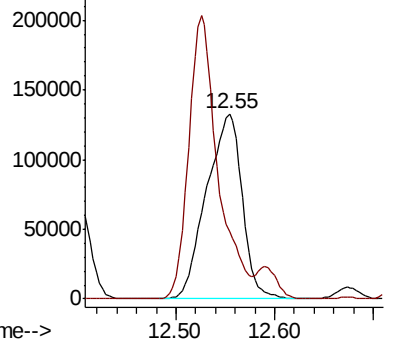
Acq: 27 Nov 2019 10:28

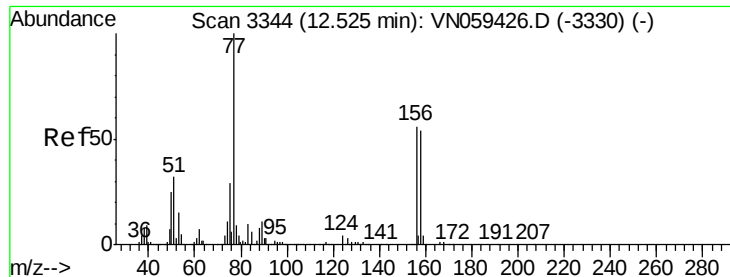
Tgt Ion:	75	Resp:	333191
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059417.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059417.D (-3260) (-)





#77

Bromobenzene

Concen: 40.856 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

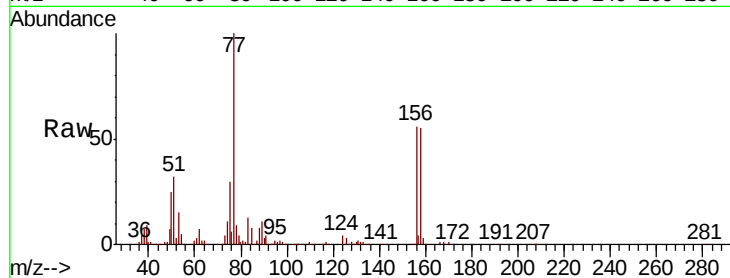
Tot Ion:156 Resp: 192274

Ion Ratio Lower Upper

156 100

77 219.0 108.7 326.3

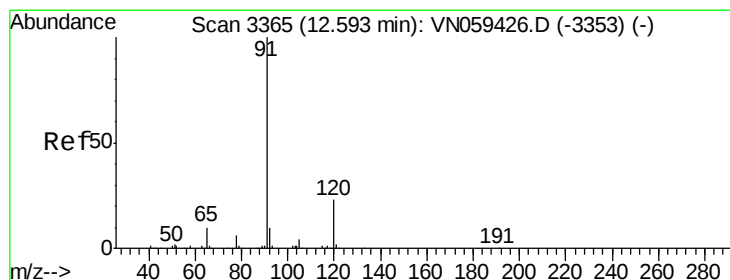
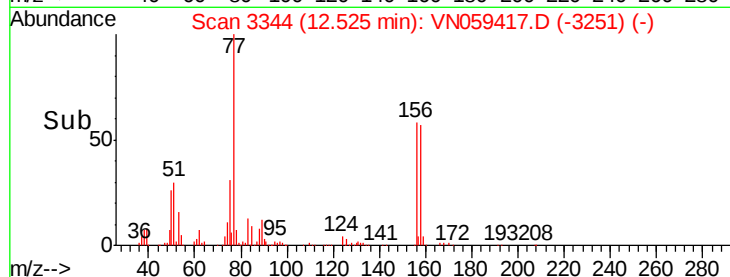
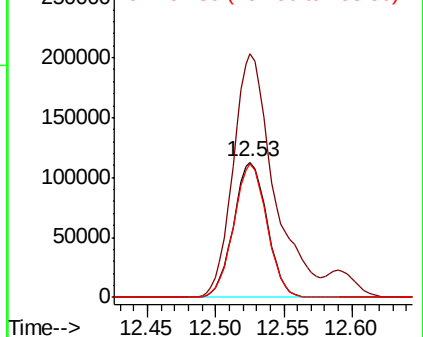
158 97.7 48.3 144.9



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: 42.082 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059417.D

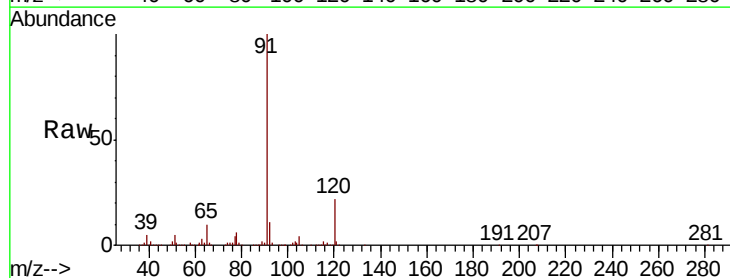
Acq: 27 Nov 2019 10:28

Tgt Ion: 91 Resp: 932144

Ion Ratio Lower Upper

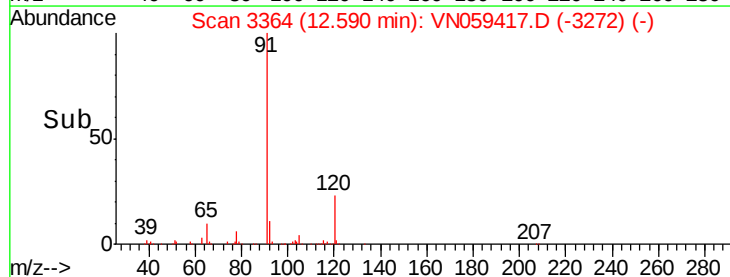
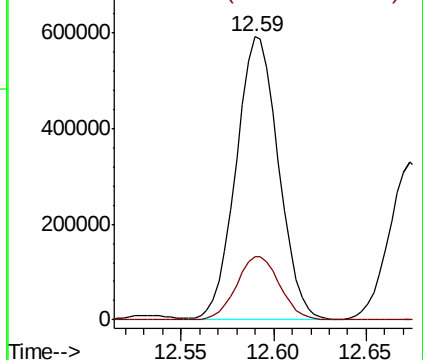
91 100

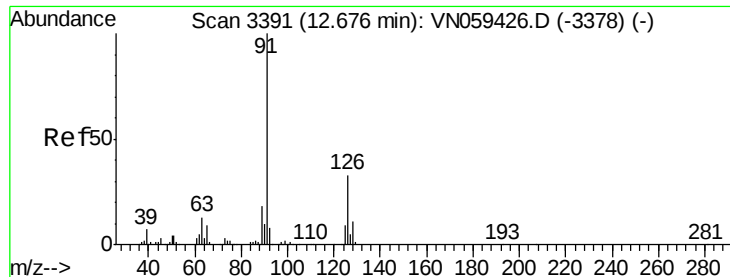
120 23.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 41.239 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

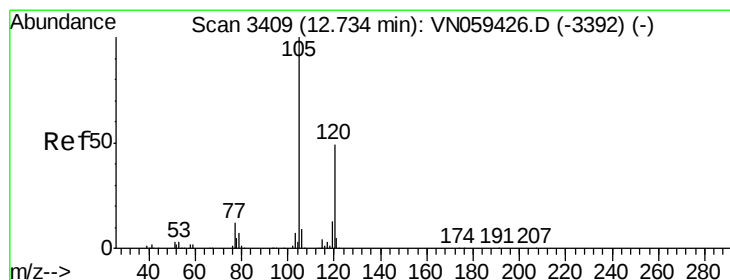
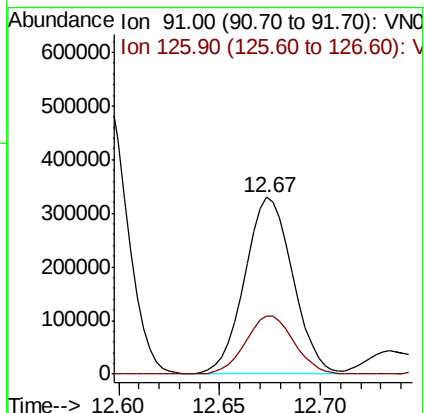
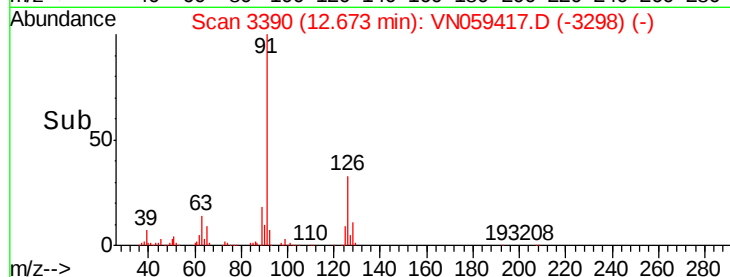
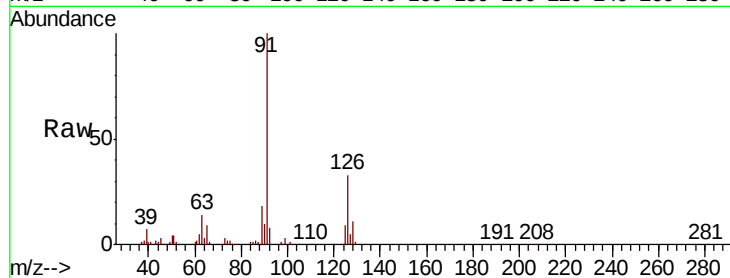
ClientSampleId :

Tot Ion: 91 Resp: 546131

Ion Ratio Lower Upper

91 100

126 33.6 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 41.622 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059417.D

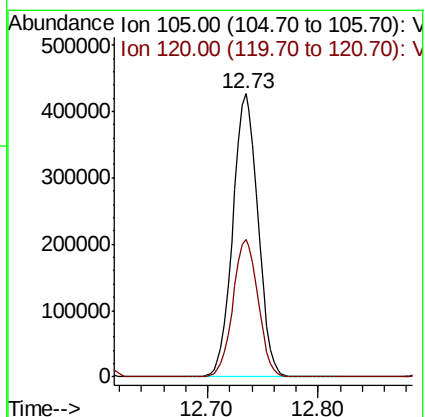
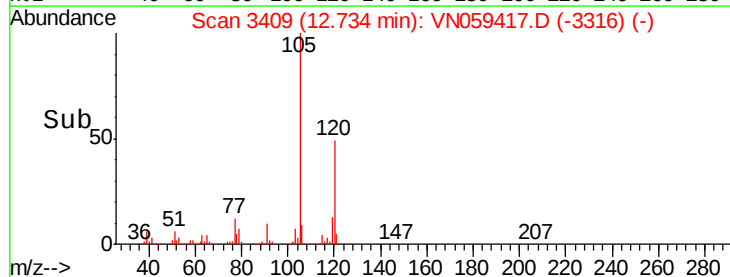
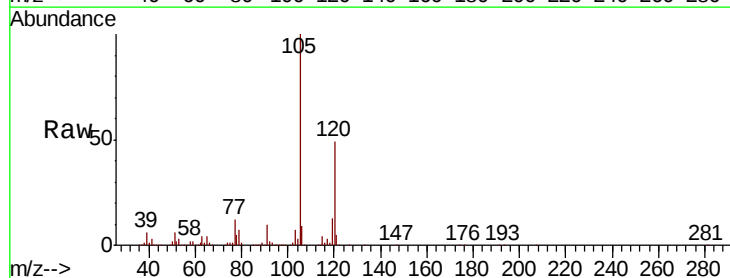
Acq: 27 Nov 2019 10:28

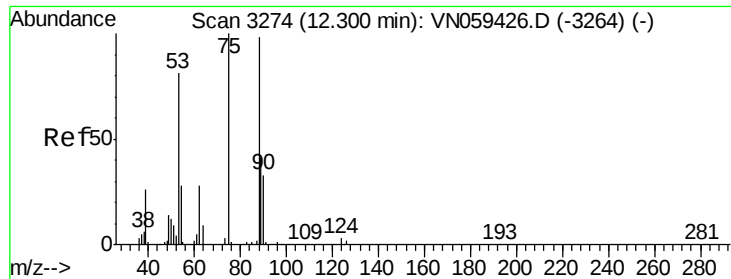
Tgt Ion: 105 Resp: 672522

Ion Ratio Lower Upper

105 100

120 48.7 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 40.511 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

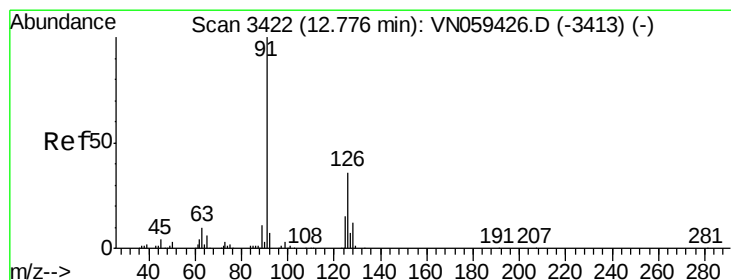
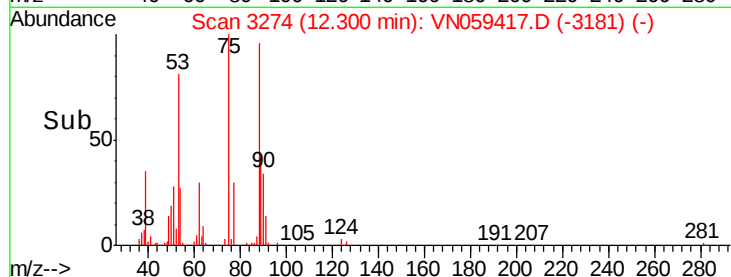
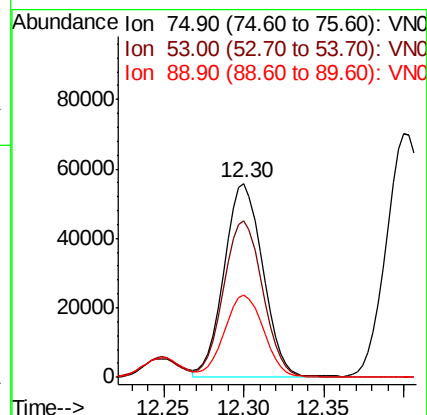
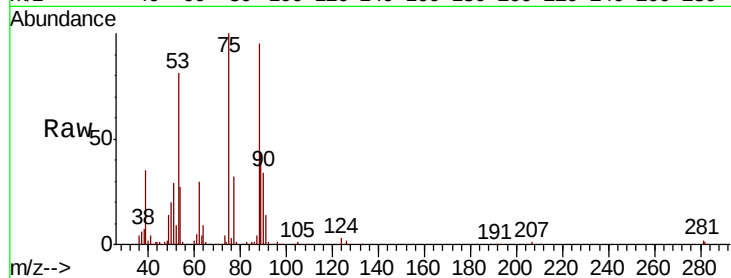
Tot Ion: 75 Resp: 92548

Ion Ratio Lower Upper

75 100

53 82.1 66.2 99.4

89 42.9 33.9 50.9



#82

4-Chlorotoluene

Concen: 41.569 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059417.D

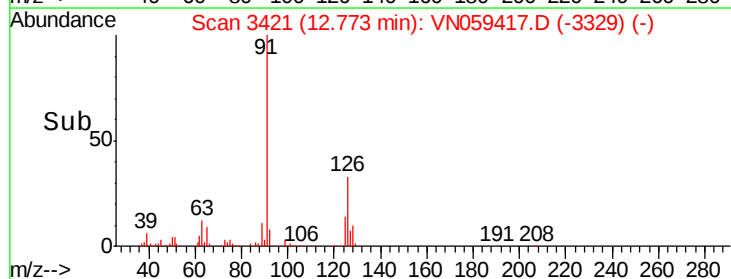
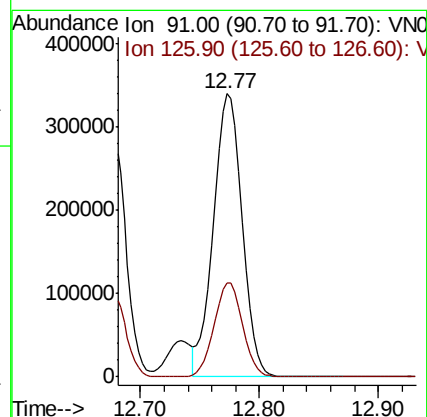
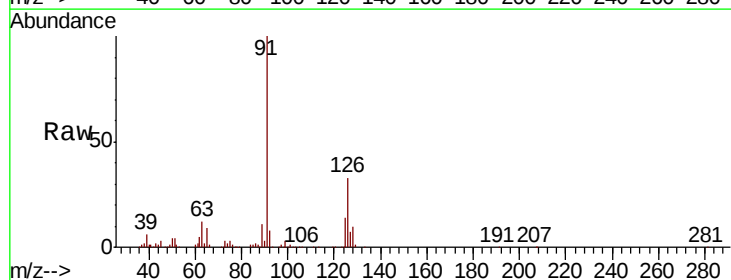
Acq: 27 Nov 2019 10:28

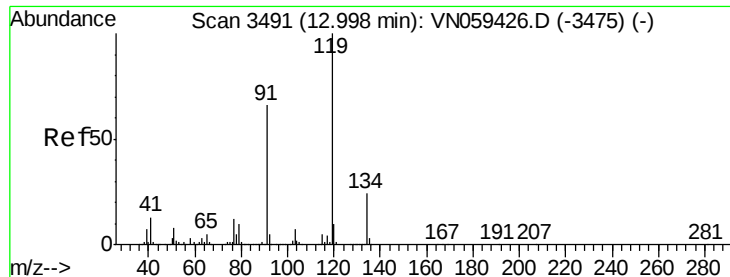
Tgt Ion: 91 Resp: 566412

Ion Ratio Lower Upper

91 100

126 32.9 16.7 50.0

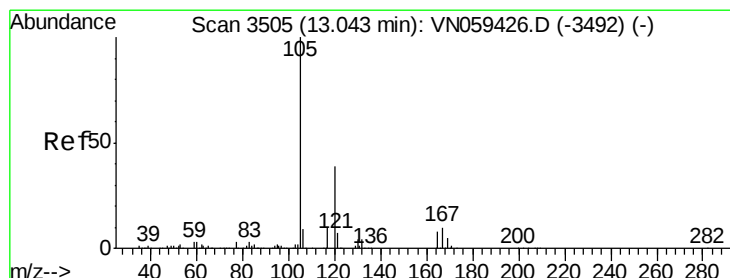
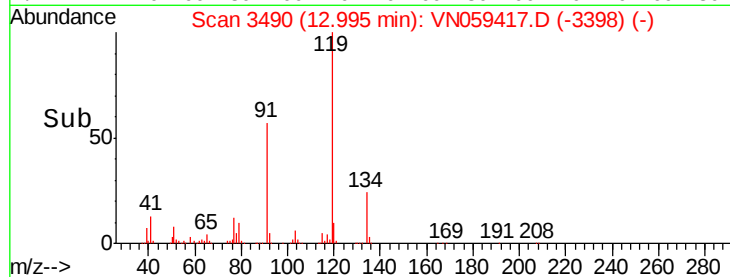
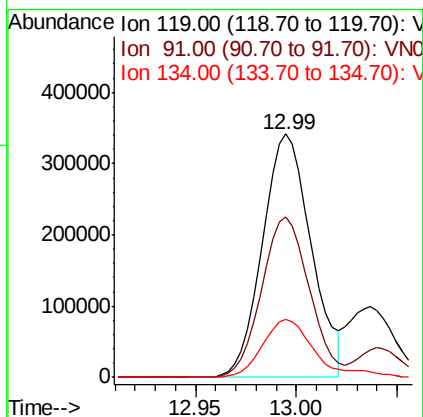
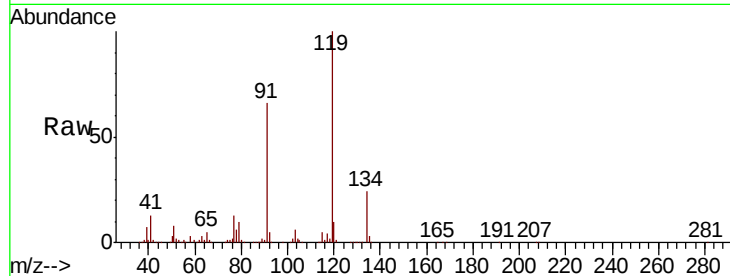




#83
 tert-Butylbenzene
 Concen: 41.400 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

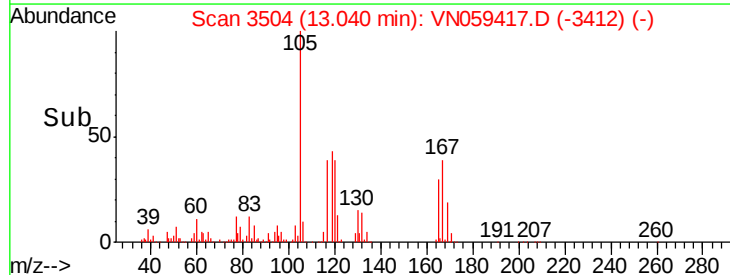
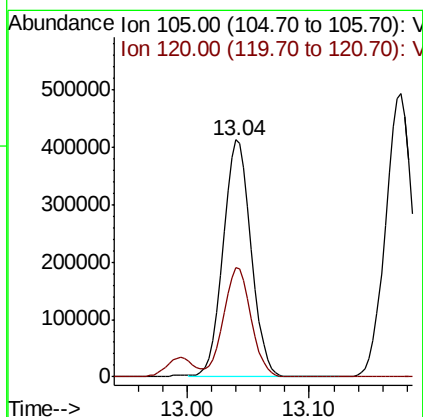
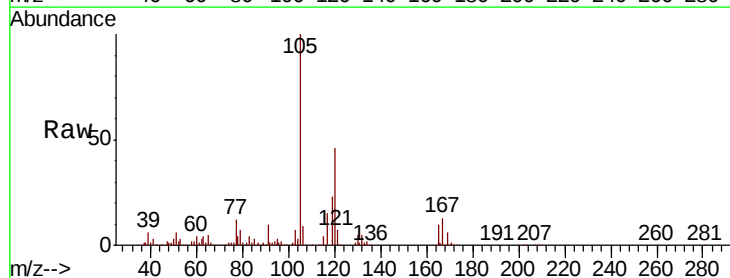
Instrument :
 MSVOA_N
 ClientSampled :

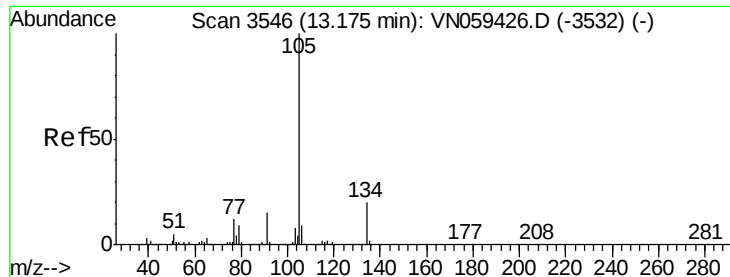
Tot Ion:119 Resp: 574396
 Ion Ratio Lower Upper
 119 100
 91 64.5 32.8 98.4
 134 25.5 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 41.900 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion:105 Resp: 663212
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.9 68.7





#85

sec-Butylbenzene

Concen: 42.101 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

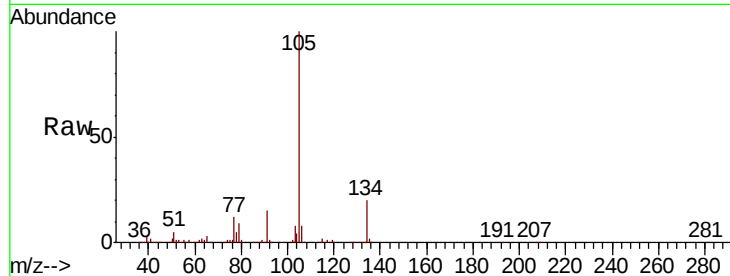
ClientSampled :

Tot Ion:105 Resp: 775698

Ion Ratio Lower Upper

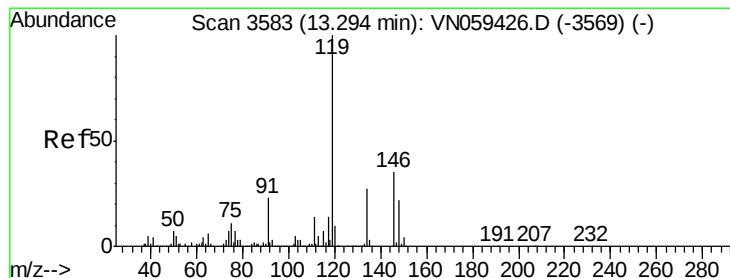
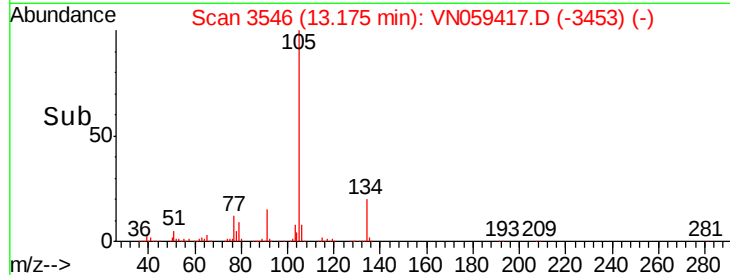
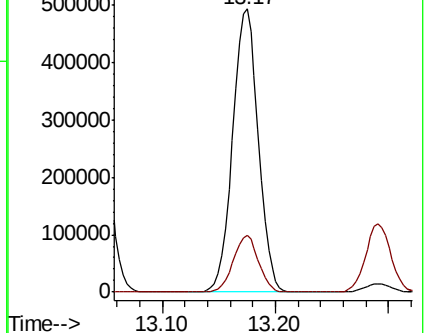
105 100

134 19.7 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 42.423 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

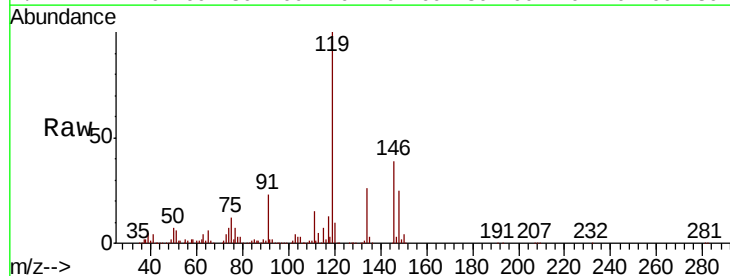
Tgt Ion:119 Resp: 706611

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.8

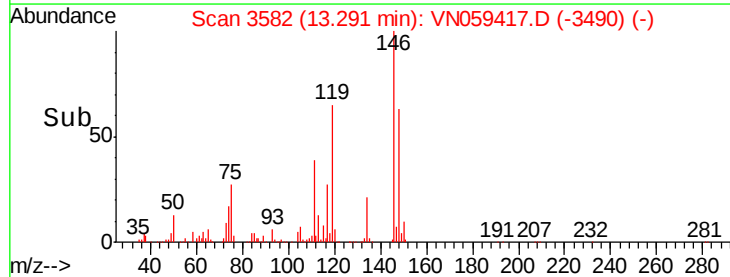
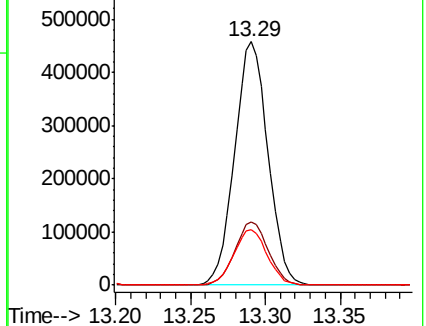
91 22.8 11.5 34.4

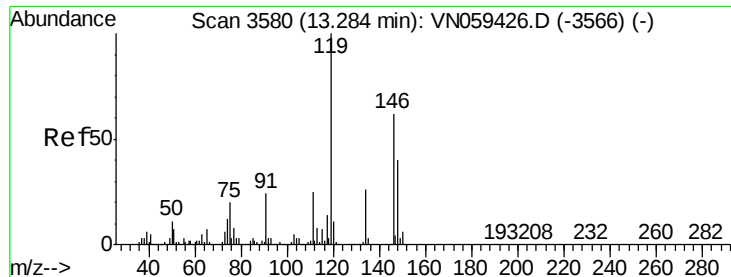


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 41.387 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampleId :

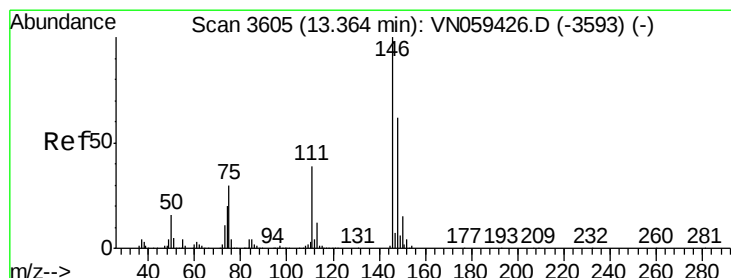
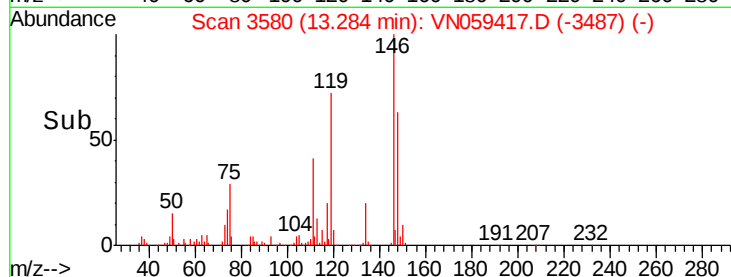
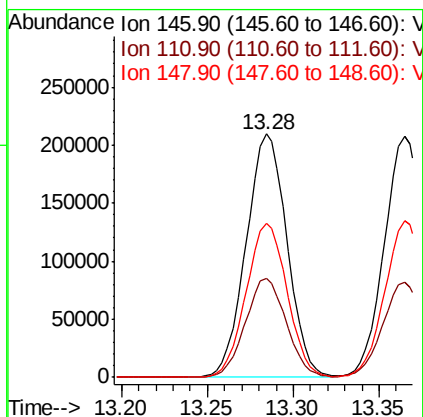
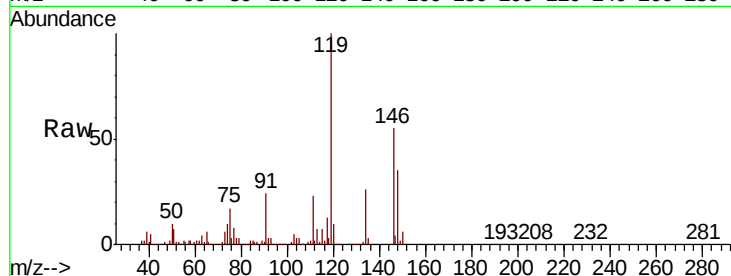
Tot Ion:146 Resp: 345176

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.2
148	63.6	32.1	96.3

146 100

111 40.7 20.4 61.2

148 63.6 32.1 96.3



#88

1,4-Dichlorobenzene

Concen: 41.000 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

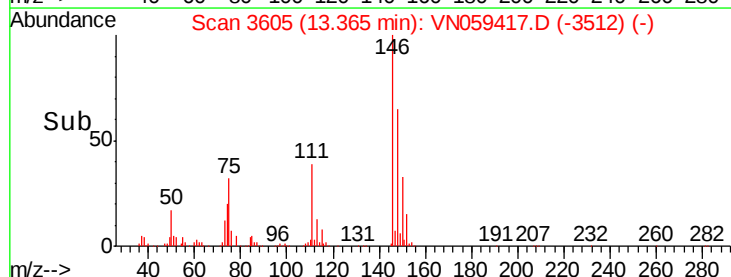
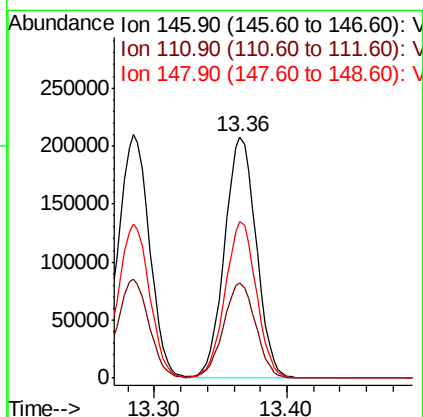
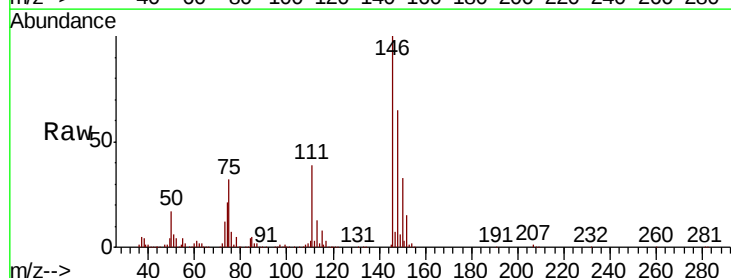
Tgt Ion:146 Resp: 343298

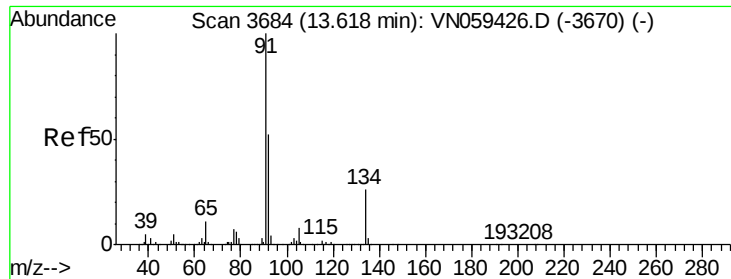
Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.9	59.7
148	64.4	31.6	95.0

146 100

111 40.1 19.9 59.7

148 64.4 31.6 95.0





#89

n-Butylbenzene

Concen: 42.392 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059417.D

Acq: 27 Nov 2019 10:28

Instrument :

MSVOA_N

ClientSampled :

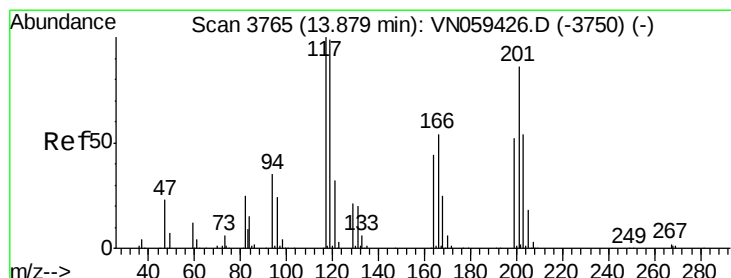
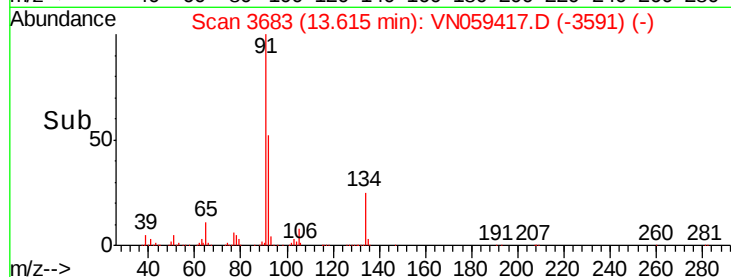
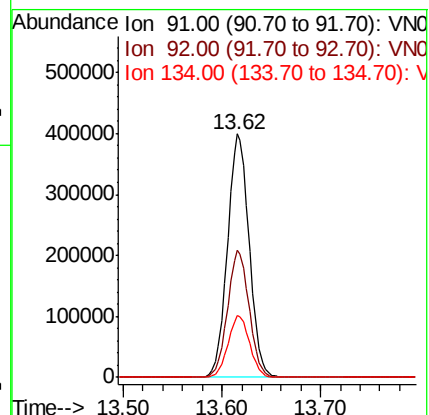
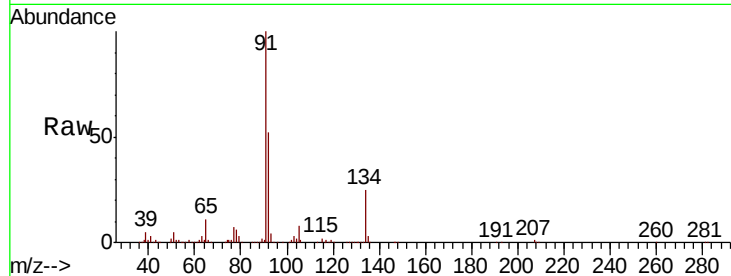
Tot Ion: 91 Resp: 617245

Ion Ratio Lower Upper

91 100

92 51.8 25.9 77.8

134 25.2 12.8 38.4



#90

Hexachloroethane

Concen: 39.967 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059417.D

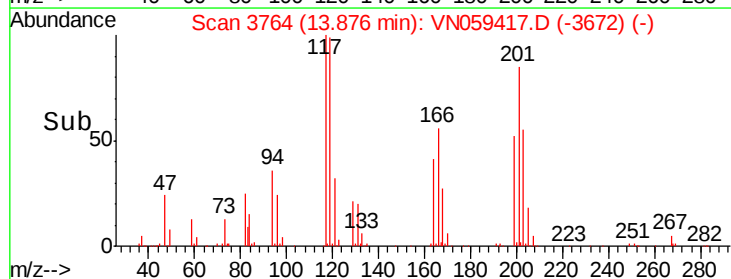
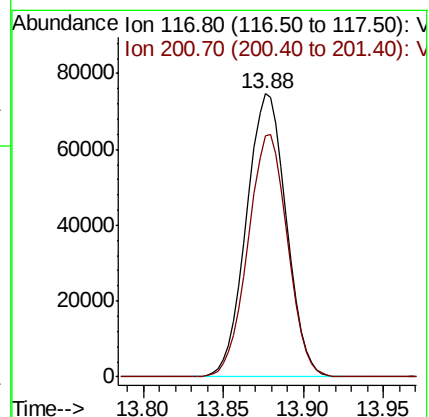
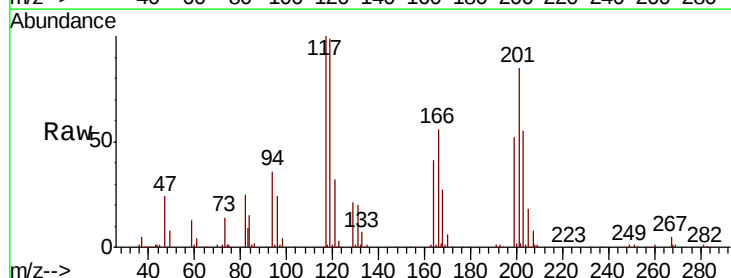
Acq: 27 Nov 2019 10:28

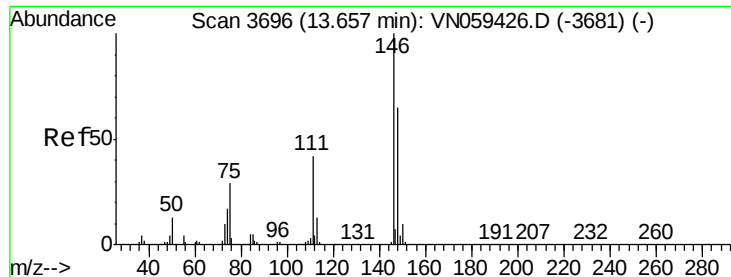
Tgt Ion: 117 Resp: 127241

Ion Ratio Lower Upper

117 100

201 85.2 42.1 126.4

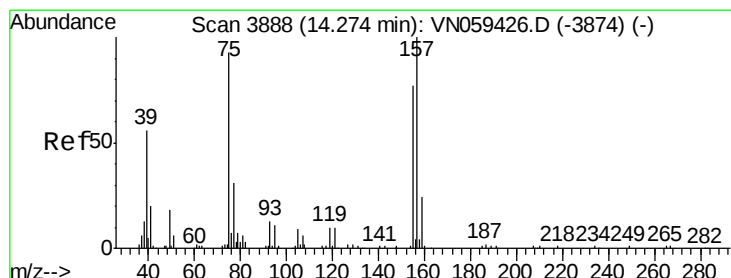
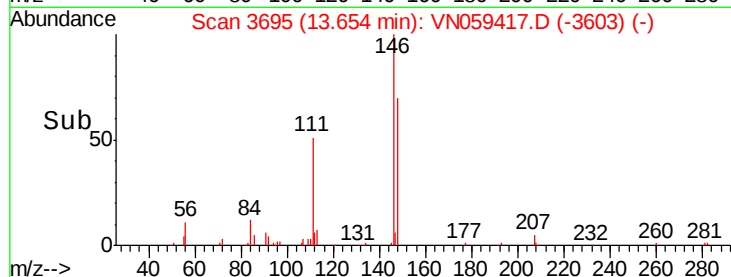
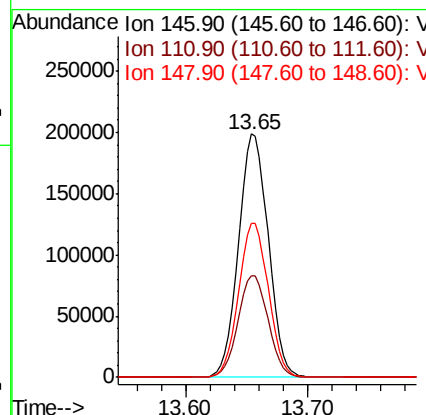
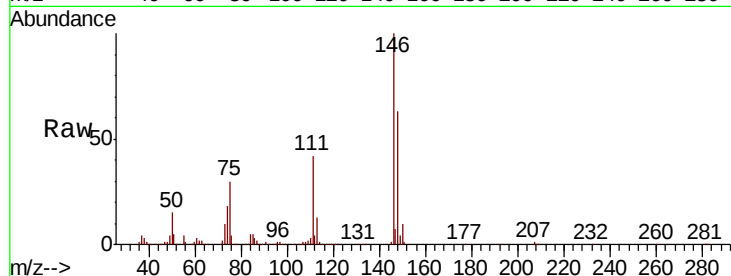




#91
 1,2-Dichlorobenzene
 Concen: 41.115 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

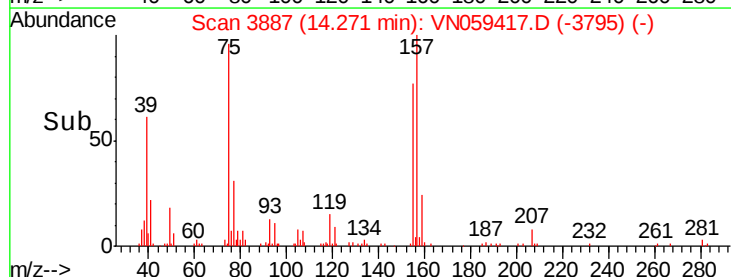
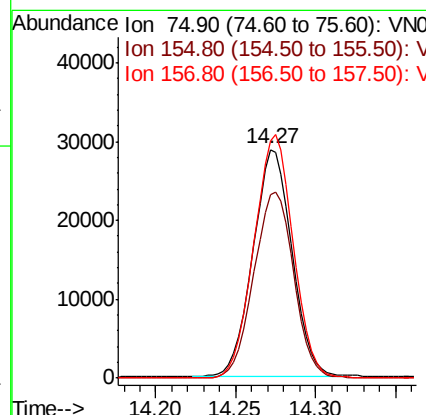
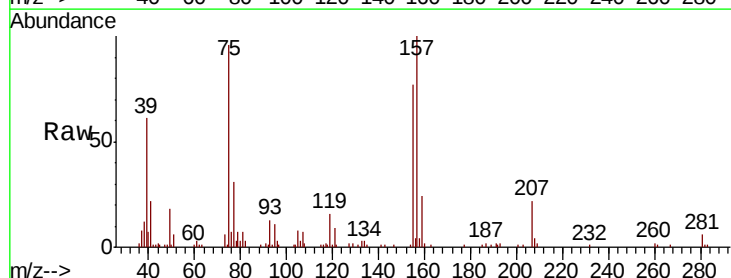
Instrument :
 MSVOA_N
 ClientSampleId :

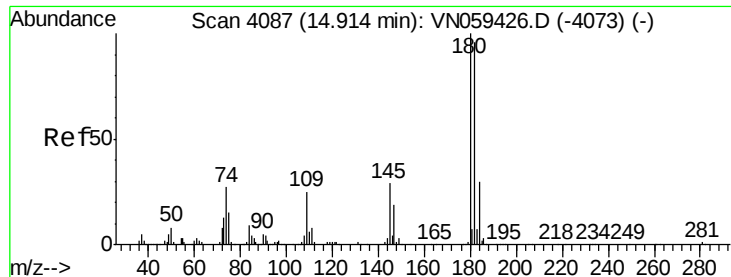
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.3	63.7
148	63.6	32.0	96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.989 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	41.9	125.8
157	107.9	54.1	162.3

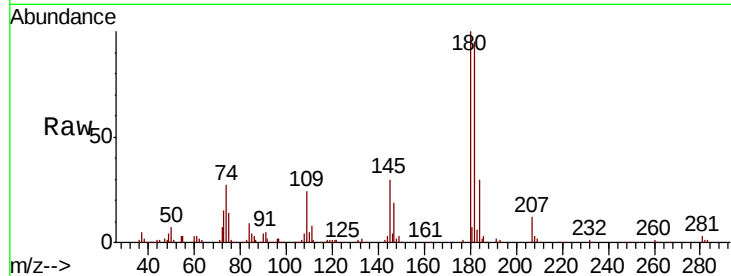




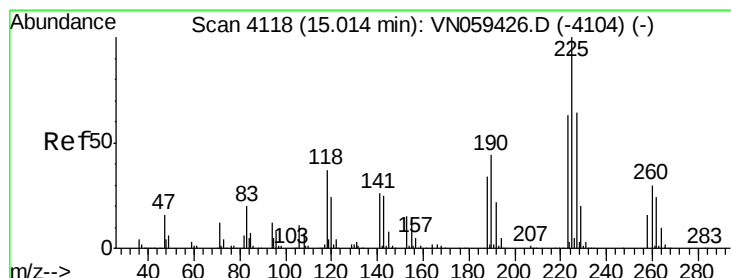
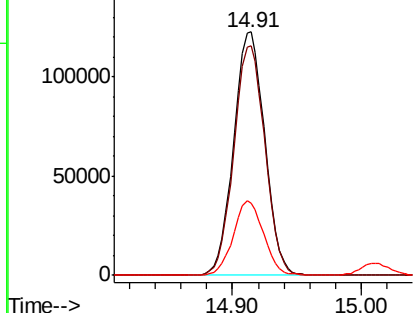
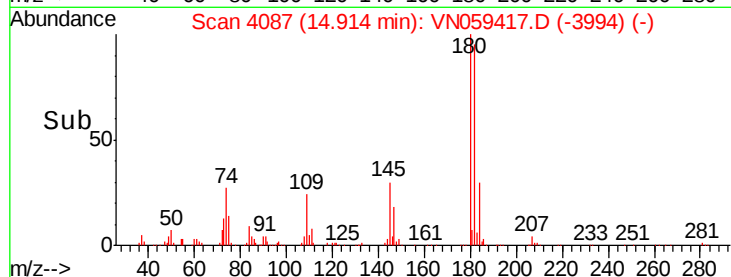
#93
 1,2,4-Trichlorobenzene
 Concen: 40.399 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	142.0
145	29.8	14.8	44.4

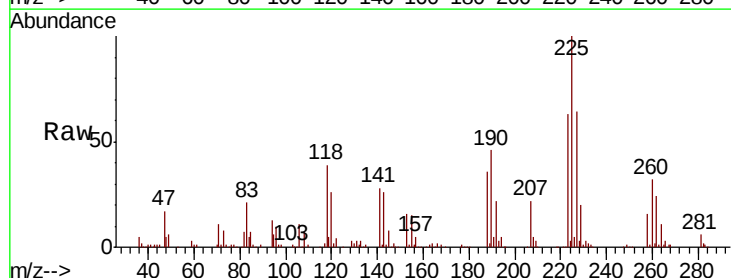


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

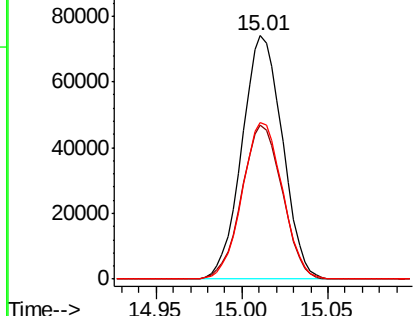
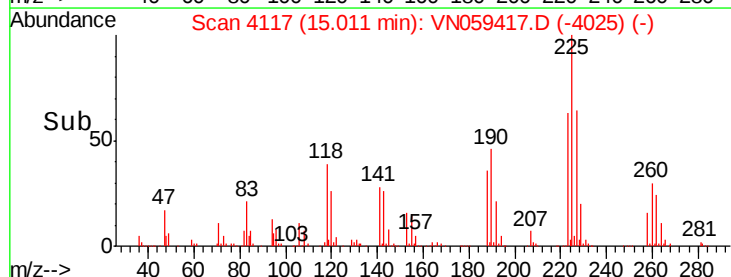


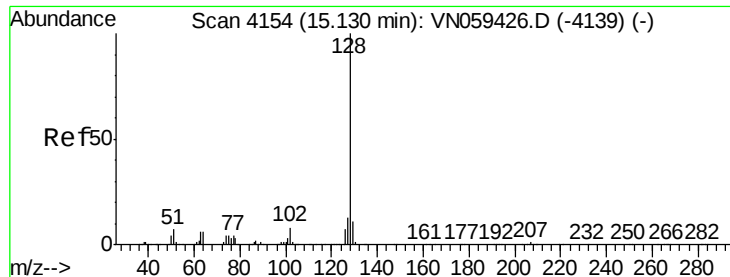
#94
 Hexachlorobutadiene
 Concen: 38.962 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059417.D
 Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.5	94.5
227	63.9	31.9	95.7



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

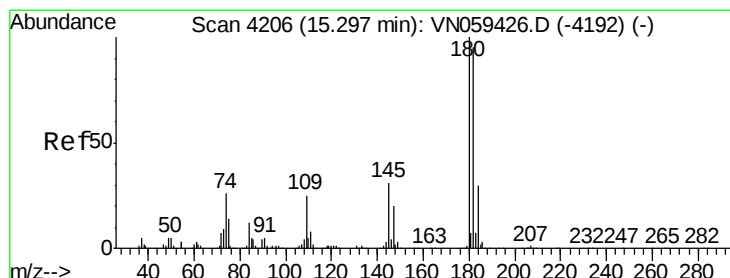
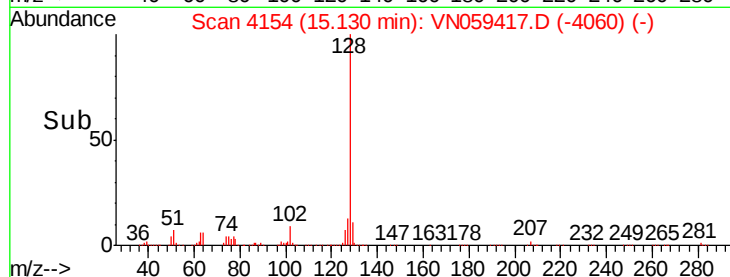
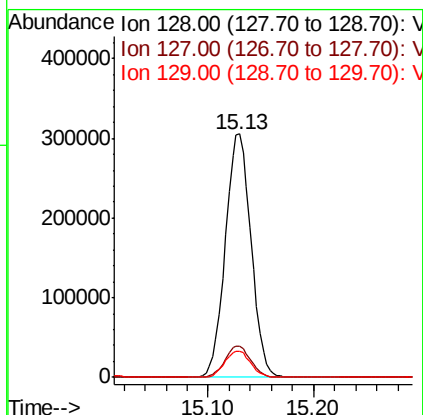
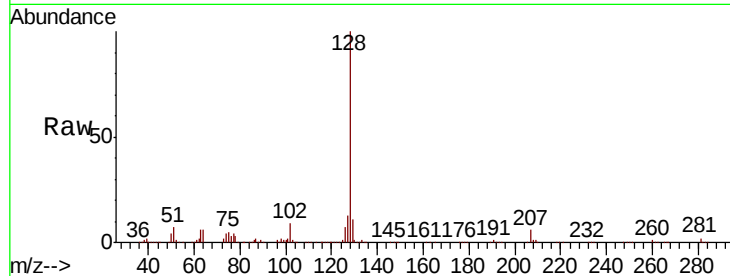




#95
Naphthalene
Concen: 46.180 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 47.407 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059417.D
Acq: 27 Nov 2019 10:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.5	142.6
145	31.8	15.7	47.1

