

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
 Data File : VN059443.D
 Acq On : 29 Nov 2019 13:17
 Operator : JC/SP
 Sample : VN1129WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 29 22:26:33 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	7.65	168	346262	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	544541	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	486316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	220162	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	198516	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
35) Dibromofluoromethane	7.57	113	158774	47.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.74%	
50) Toluene-d8	10.08	98	626878	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
62) 4-Bromofluorobenzene	12.40	95	212712	46.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	86163	21.142	ug/l	98
3) Chloromethane	2.04	50	102045	20.499	ug/l	98
4) Vinyl Chloride	2.17	62	98708	20.634	ug/l	100
5) Bromomethane	2.55	94	55660	19.325	ug/l	95
6) Chloroethane	2.68	64	53386	19.904	ug/l	99
7) Trichlorofluoromethane	3.00	101	119182	20.916	ug/l	97
8) Diethyl Ether	3.39	74	46469	20.039	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	72107	20.547	ug/l	99
10) Methyl Iodide	3.93	142	89321	19.555	ug/l	98
11) Tert butyl alcohol	4.76	59	68952	98.130	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	71264	20.736	ug/l	99
13) Acrolein	3.58	56	52177	76.069	ug/l	99
14) Allyl chloride	4.29	41	127583	20.016	ug/l	98
15) Acrylonitrile	4.96	53	200372	102.337	ug/l	99
16) Acetone	3.79	43	205441	106.318	ug/l	100
17) Carbon Disulfide	4.03	76	225334	19.106	ug/l	100
18) Methyl Acetate	4.30	43	100851	19.166	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	228741	20.654	ug/l	99
20) Methylene Chloride	4.52	84	79086	20.142	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	76425	20.410	ug/l	98
22) Diisopropyl ether	5.92	45	246470	20.808	ug/l	96
23) Vinyl Acetate	5.87	43	995717	104.198	ug/l	100
24) 1,1-Dichloroethane	5.82	63	141648	20.784	ug/l	99
25) 2-Butanone	6.81	43	270877	101.899	ug/l	99
26) 2,2-Dichloropropane	6.80	77	120729	20.816	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	84440	20.619	ug/l	100
28) Bromochloromethane	7.17	49	57521	20.506	ug/l	100
29) Tetrahydrofuran	7.19	42	179183	101.350	ug/l	99
30) Chloroform	7.35	83	134199	19.568	ug/l	98
31) Cyclohexane	7.63	56	136142	19.927	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	116203	20.720	ug/l	99
36) 1,1-Dichloropropene	7.77	75	106471	20.332	ug/l	99
37) Ethyl Acetate	6.90	43	111279	20.085	ug/l	98
38) Carbon Tetrachloride	7.75	117	101042	20.446	ug/l	97

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 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)
39) Methylcyclohexane	9.07	83	126893	20.255	ug/l	99
40) Benzene	8.02	78	314662	20.238	ug/l	100
41) Methacrylonitrile	7.19	41	155723	60.362	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	104895	21.276	ug/l	100
43) Isopropyl Acetate	8.15	43	169489	20.137	ug/l	93
44) Trichloroethene	8.82	130	81658	20.597	ug/l	100
45) 1,2-Dichloropropane	9.10	63	82755	20.348	ug/l	100
46) Dibromomethane	9.19	93	51312	20.445	ug/l	99
47) Bromodichloromethane	9.39	83	102828	20.257	ug/l	100
48) Methyl methacrylate	9.19	41	71952	19.269	ug/l	98
49) 1,4-Dioxane	9.19	88	22028	403.910	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	505881	103.621	ug/l	99
52) Toluene	10.15	92	191074	20.570	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	117042	20.066	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	127026	20.174	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	73271	20.153	ug/l	97
56) Ethyl methacrylate	10.42	69	105060	21.233	ug/l	97
57) 1,3-Dichloropropane	10.70	76	128115	20.388	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	181069	116.233	ug/l	99
59) 2-Hexanone	10.75	43	369179	101.980	ug/l	98
60) Dibromochloromethane	10.90	129	77740	20.484	ug/l	100
61) 1,2-Dibromoethane	11.00	107	74865	20.094	ug/l	100
64) Tetrachloroethene	10.63	164	76461	21.257	ug/l	99
65) Chlorobenzene	11.43	112	196525	19.961	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	73235	20.512	ug/l	99
67) Ethyl Benzene	11.51	91	351870	20.348	ug/l	99
68) m/p-Xylenes	11.62	106	258487	40.035	ug/l	99
69) o-Xylene	11.95	106	123266	19.907	ug/l	98
70) Styrene	11.96	104	192860	21.025	ug/l	99
71) Bromoform	12.13	173	53916	19.833	ug/l #	98
73) Isopropylbenzene	12.25	105	330324	20.253	ug/l	99
74) N-amyl acetate	12.07	43	119733	21.214	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	103674	19.492	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	140609	28.231	ug/l #	100
77) Bromobenzene	12.53	156	81018	20.289	ug/l	99
78) n-propylbenzene	12.59	91	382890	20.372	ug/l	99
79) 2-Chlorotoluene	12.68	91	227577	20.253	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	278519	20.315	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35935	18.538	ug/l	93
82) 4-Chlorotoluene	12.77	91	231571	20.030	ug/l	99
83) tert-Butylbenzene	12.99	119	235371	19.994	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	273399	20.357	ug/l	98
85) sec-Butylbenzene	13.17	105	317390	20.302	ug/l	99
86) p-Isopropyltoluene	13.29	119	285042	20.169	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	139612	19.728	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	136782	19.253	ug/l	98
89) n-Butylbenzene	13.62	91	242136	19.599	ug/l	99
90) Hexachloroethane	13.88	117	52913	19.588	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	135906	19.600	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21273	23.158	ug/l	93

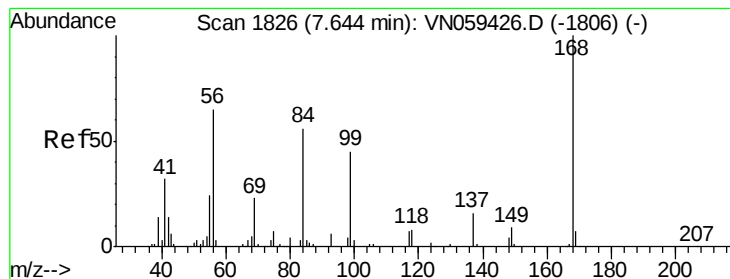
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	73913	17.148	ug/l	98
94) Hexachlorobutadiene	15.01	225	51027	19.317	ug/l	100
95) Naphthalene	15.13	128	190335	21.090	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	76146	21.297	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

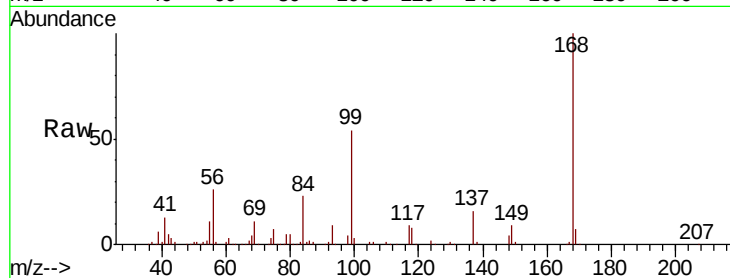
ClientSampleId :

Tot Ion:168 Resp: 346262

Ion Ratio Lower Upper

168 100

99 54.2 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

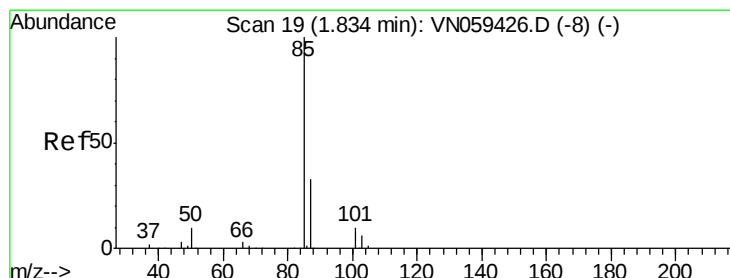
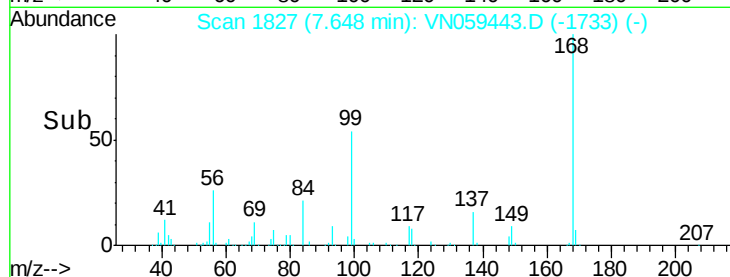
100000

50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.142 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059443.D

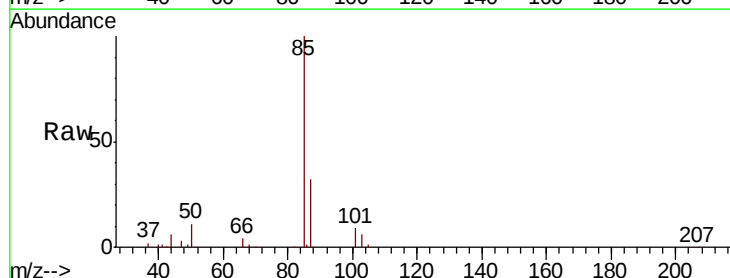
Acq: 29 Nov 2019 13:17

Tgt Ion: 85 Resp: 86163

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

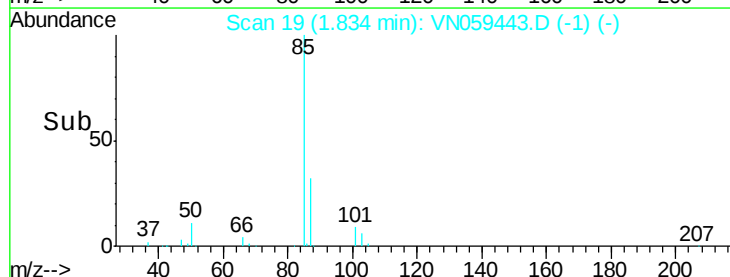
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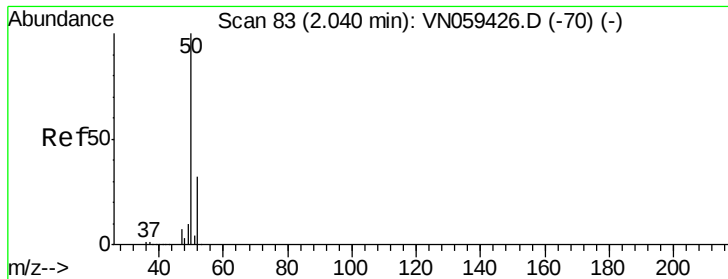
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.499 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

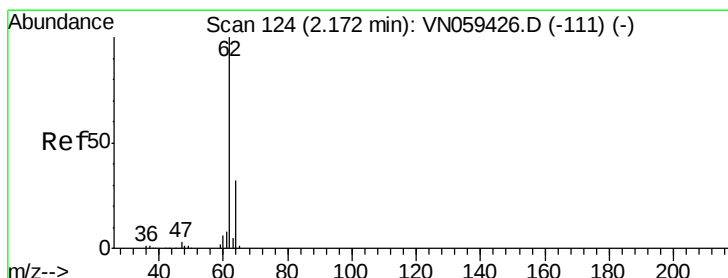
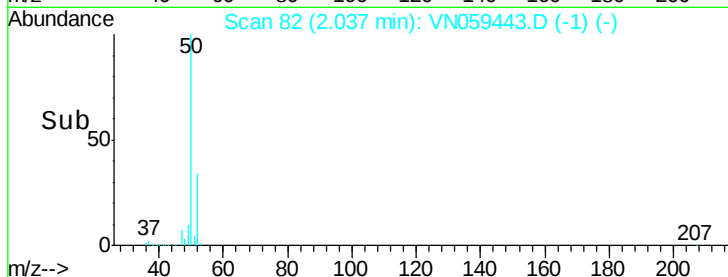
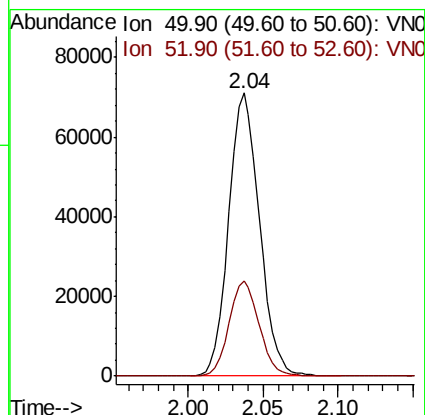
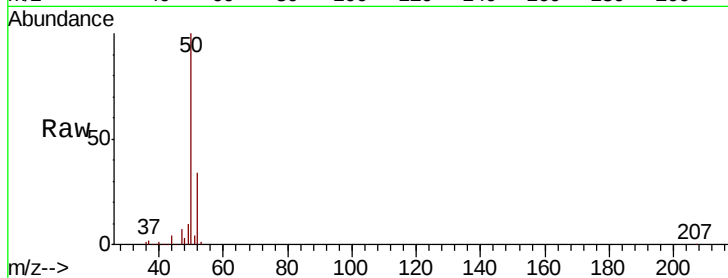
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 102045

Ion Ratio Lower Upper

50 100

52 33.6 25.8 38.6



#4

Vinyl Chloride

Concen: 20.634 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059443.D

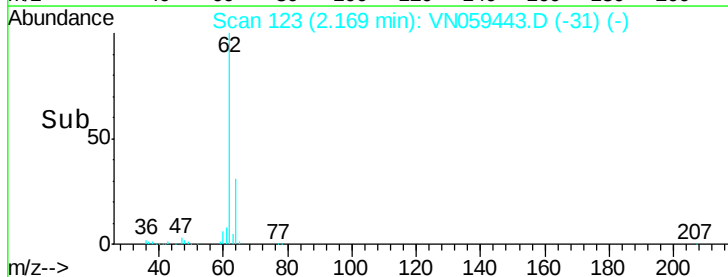
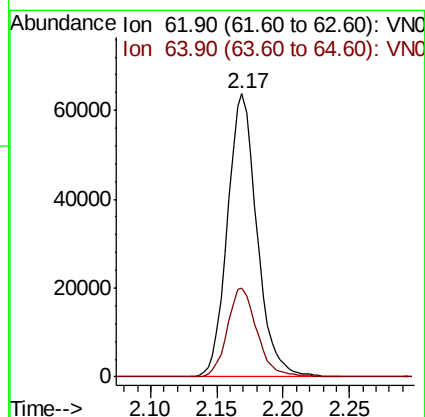
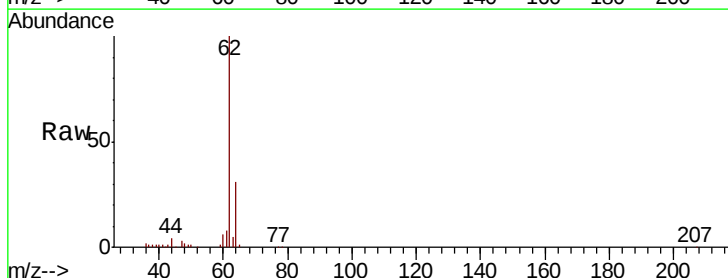
Acq: 29 Nov 2019 13:17

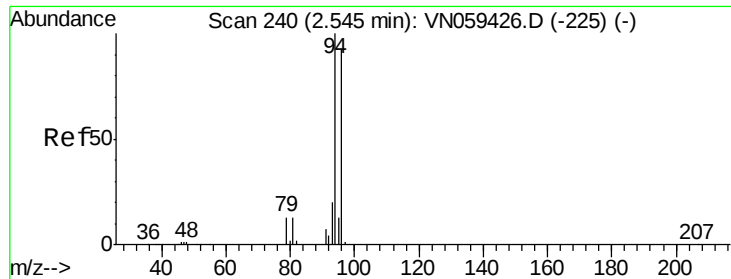
Tgt Ion: 62 Resp: 98708

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 19.325 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

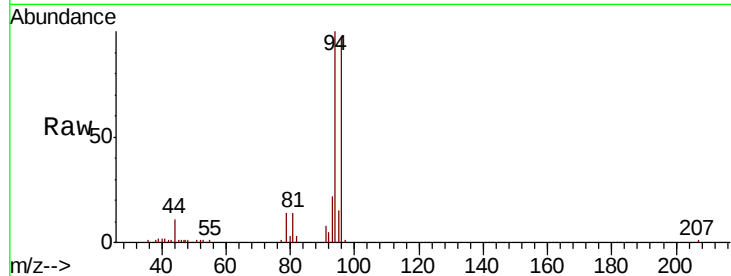
ClientSampled :

Tot Ion: 94 Resp: 55660

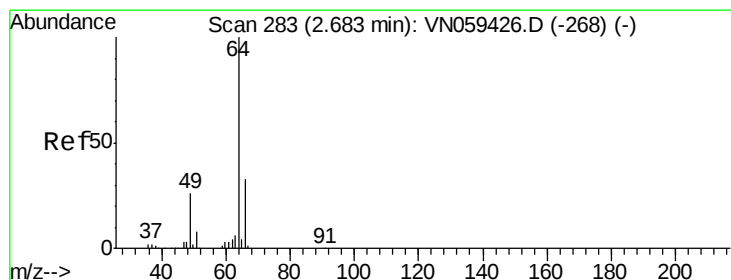
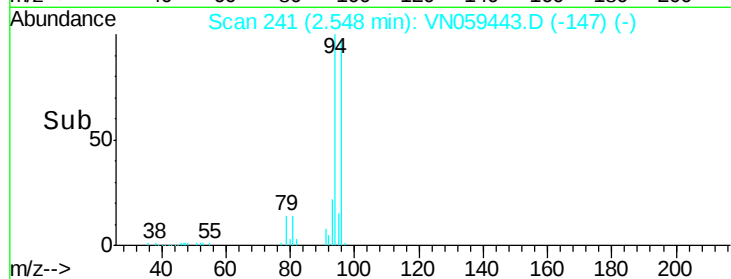
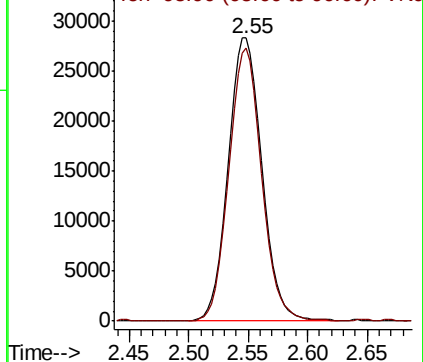
Ion Ratio Lower Upper

94 100

96 96.7 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.904 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059443.D

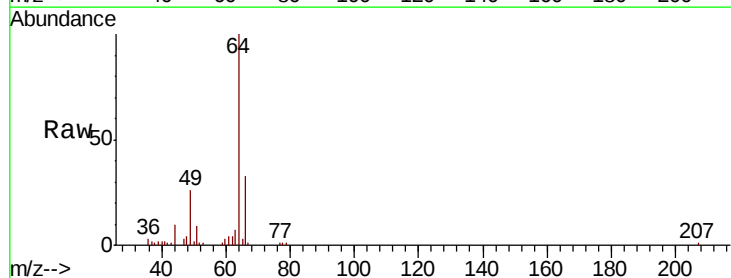
Acq: 29 Nov 2019 13:17

Tgt Ion: 64 Resp: 53386

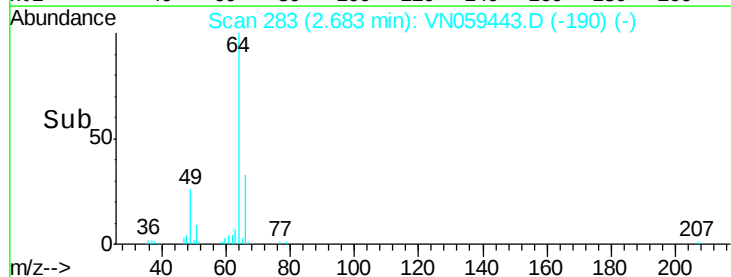
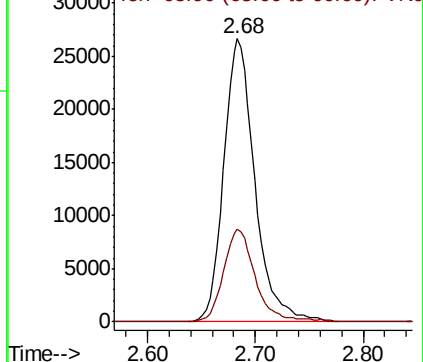
Ion Ratio Lower Upper

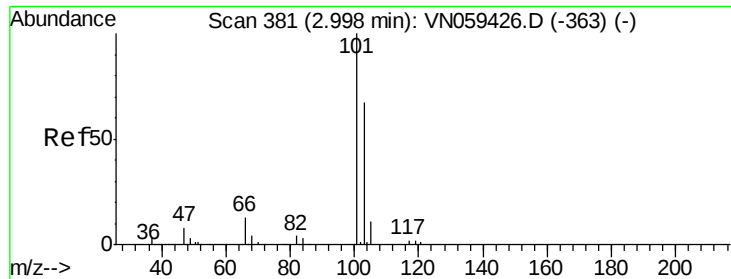
64 100

66 32.7 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



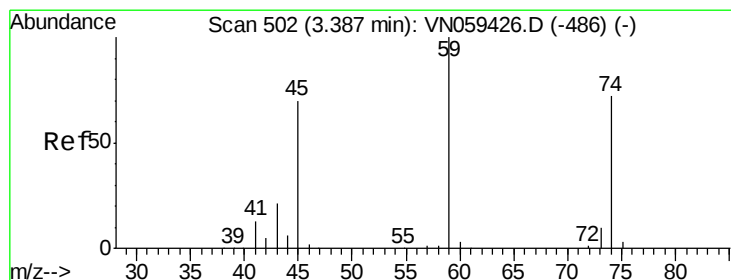
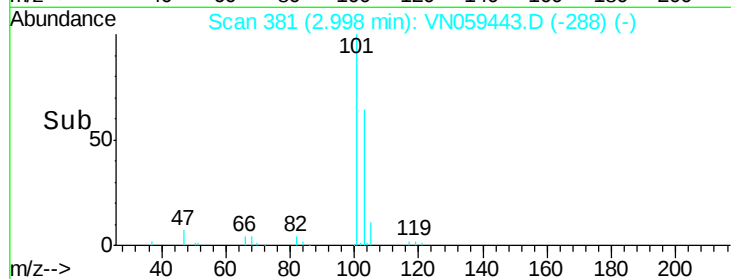
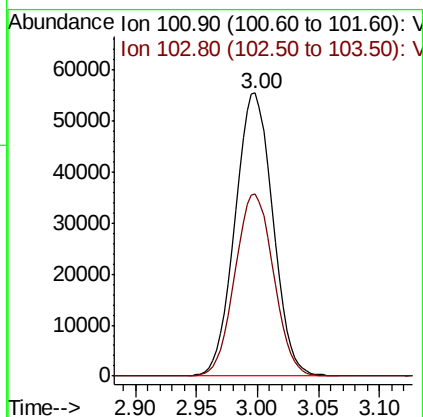
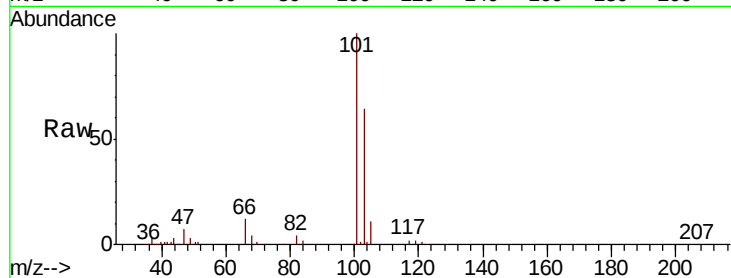


#7

Trichlorofluoromethane
Concen: 20.916 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampled :

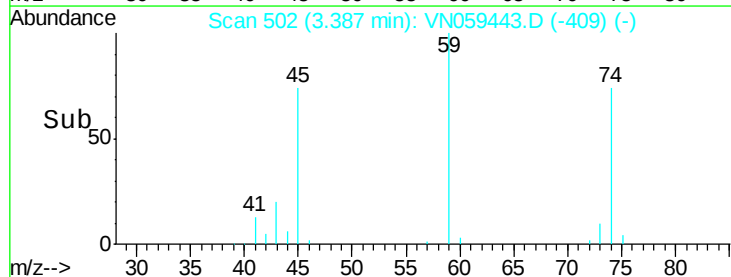
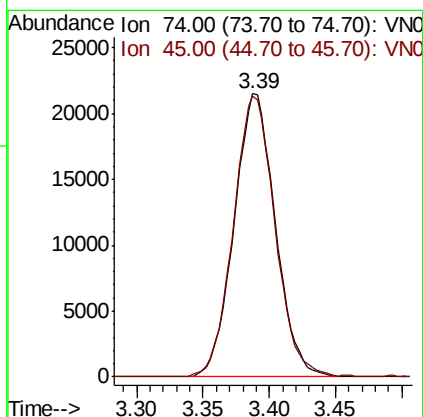
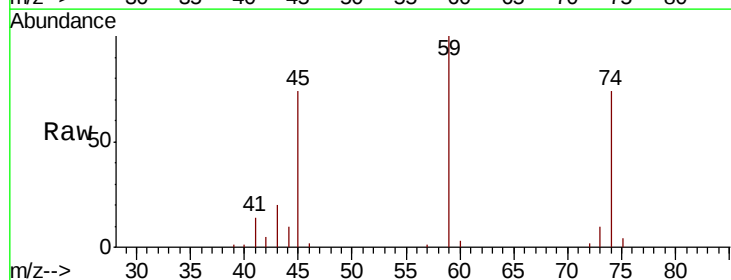
Tot Ion:101 Resp: 119182
Ion Ratio Lower Upper
101 100
103 64.4 53.6 80.4

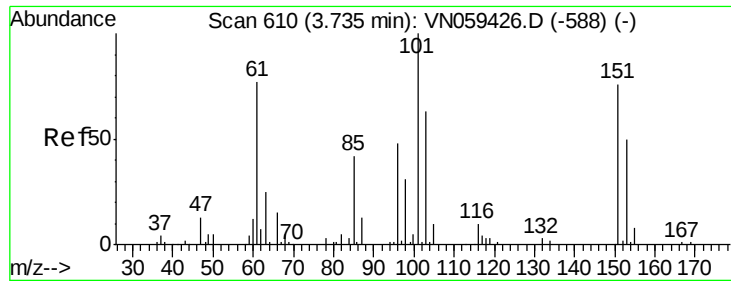


#8

Diethyl Ether
Concen: 20.039 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion: 74 Resp: 46469
Ion Ratio Lower Upper
74 100
45 100.0 49.7 149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.547 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

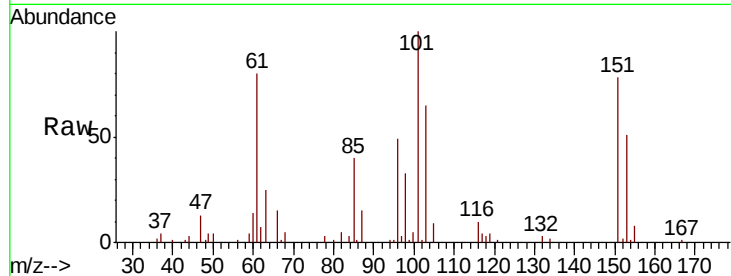
Tot Ion:101 Resp: 72107

Ion Ratio Lower Upper

101 100

85 42.8 34.2 51.2

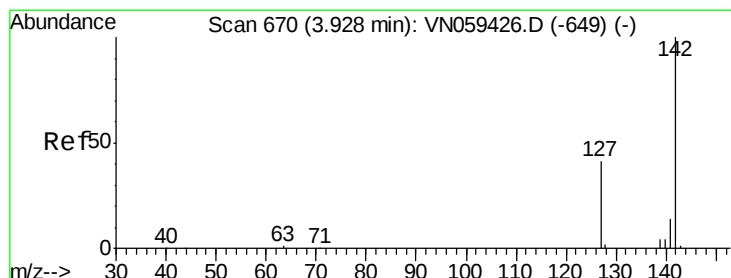
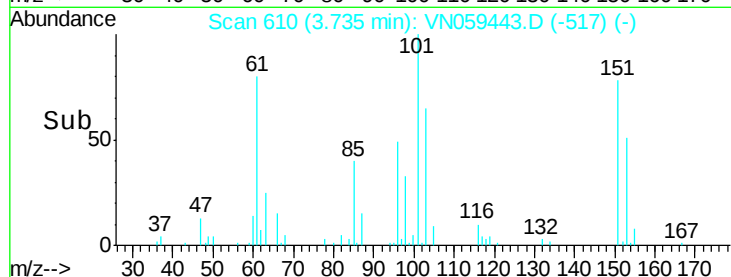
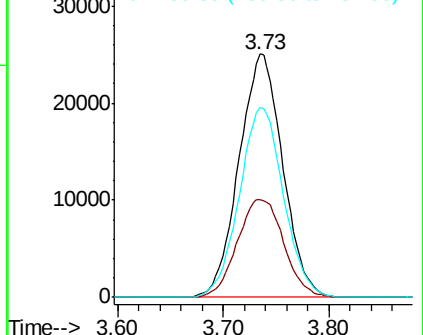
151 78.9 62.6 93.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.555 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

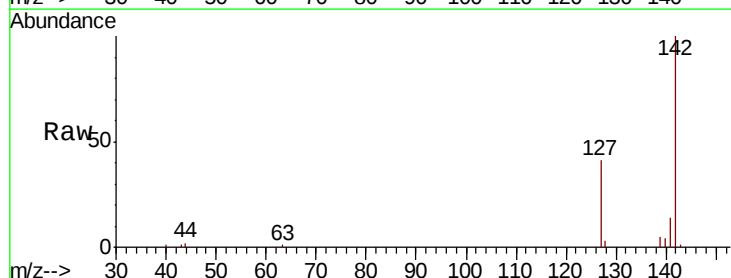
Tgt Ion:142 Resp: 89321

Ion Ratio Lower Upper

142 100

127 41.8 32.6 48.8

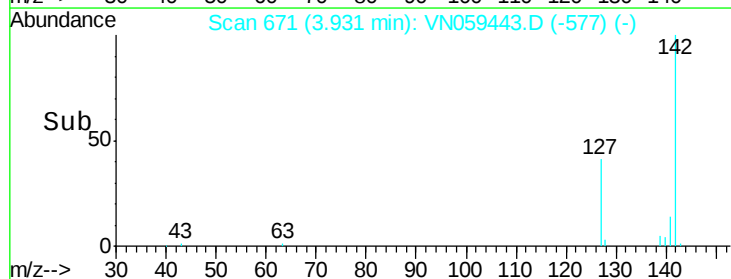
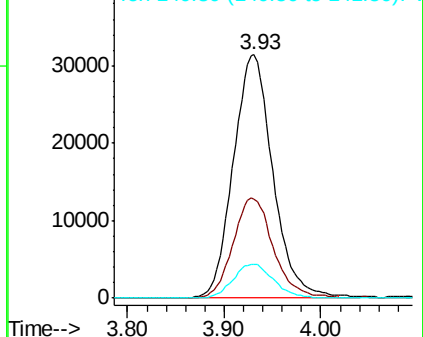
141 14.1 11.1 16.7

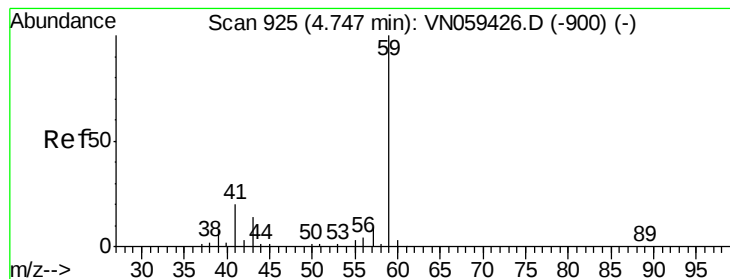


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



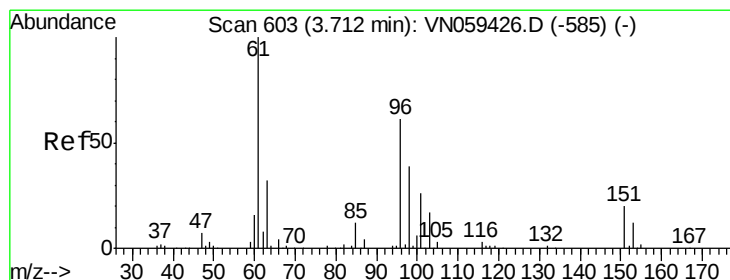
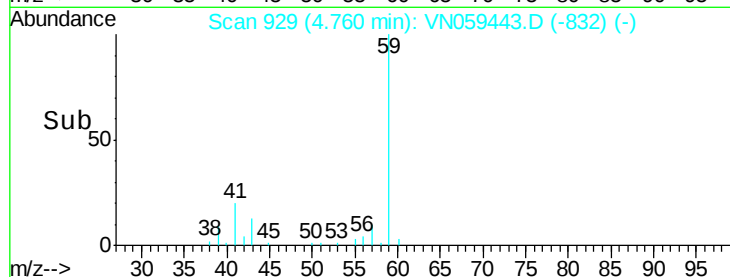
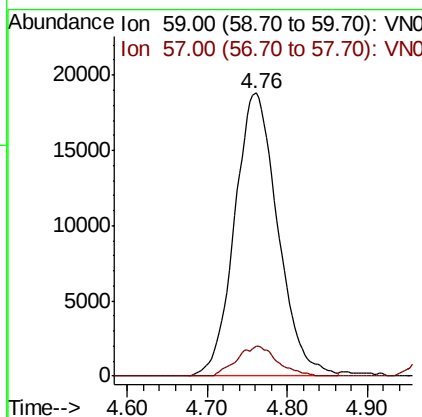
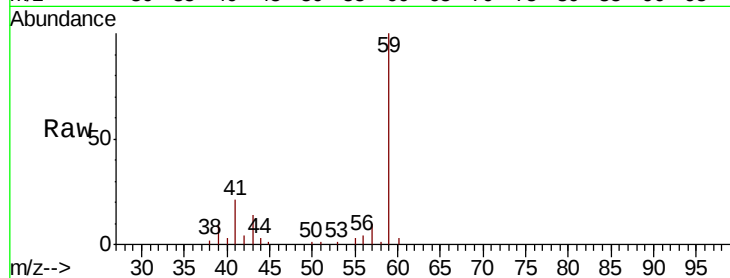


#11

Tert butyl alcohol
 Concen: 98.130 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Instrument :
 MSVOA_N
 ClientSampleId :

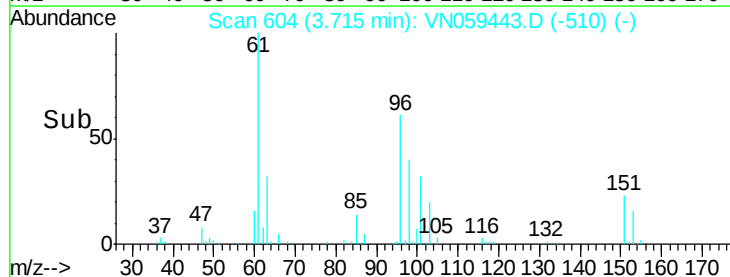
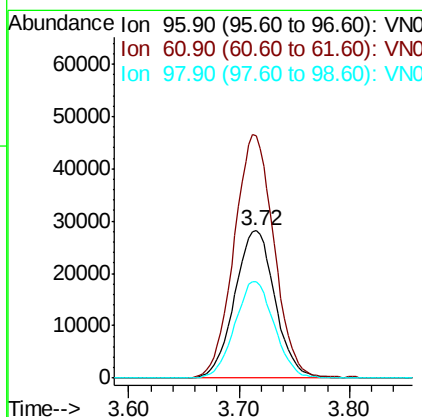
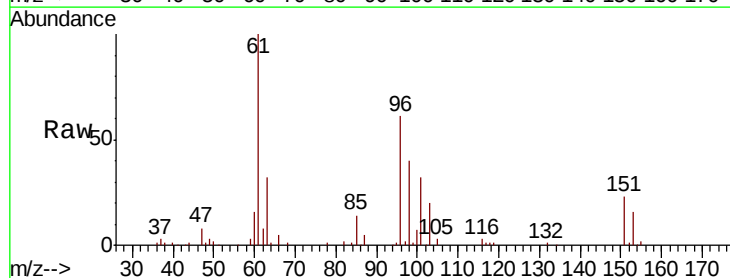
Tot Ion: 59 Resp: 68952
 Ion Ratio Lower Upper
 59 100
 57 9.9 3.8 5.8#

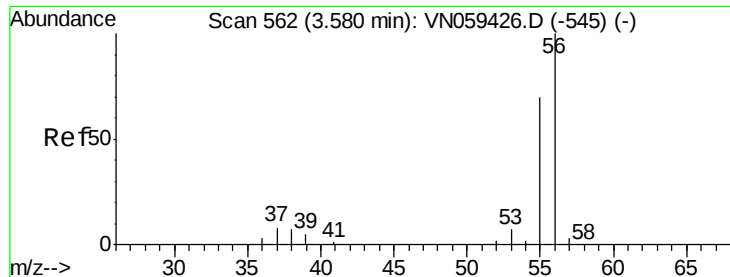


#12

1,1-Dichloroethene
 Concen: 20.736 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Tgt Ion: 96 Resp: 71264
 Ion Ratio Lower Upper
 96 100
 61 164.6 130.5 195.7
 98 65.4 51.3 76.9





#13

Acrolein

Concen: 76.069 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

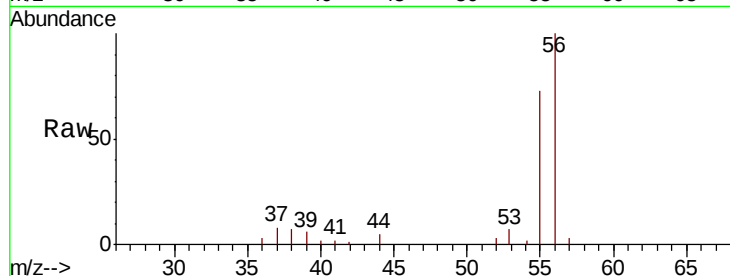
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 52177

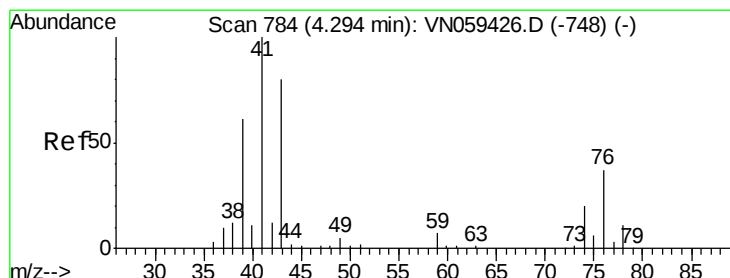
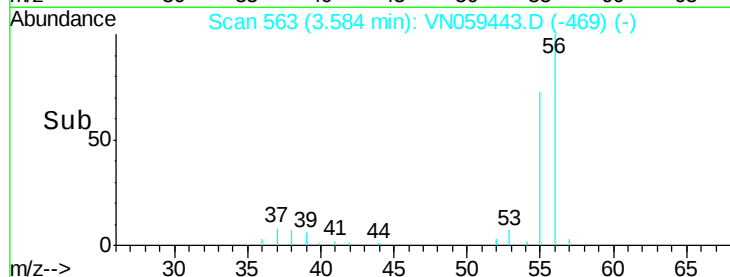
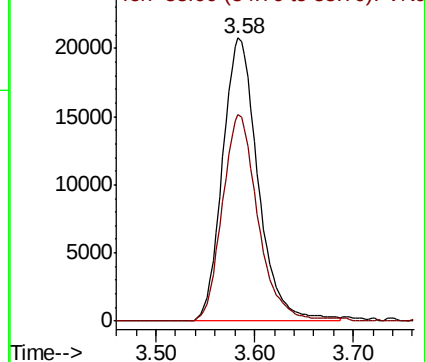
Ion Ratio Lower Upper

56 100

55 72.8 57.8 86.6



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



#14

Allyl chloride

Concen: 20.016 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

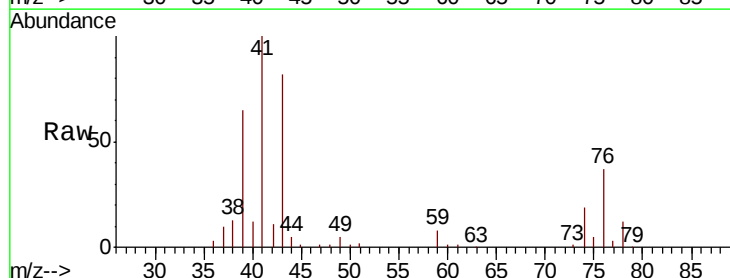
Tgt Ion: 41 Resp: 127583

Ion Ratio Lower Upper

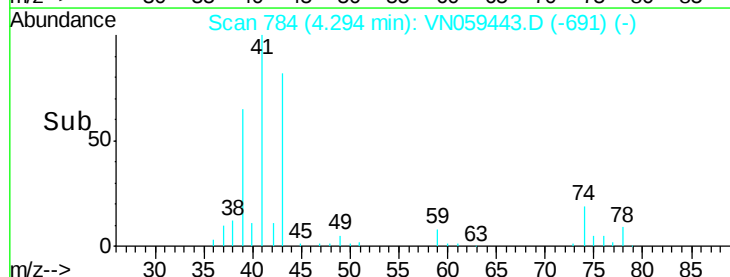
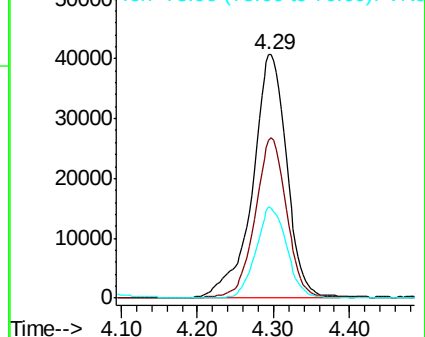
41 100

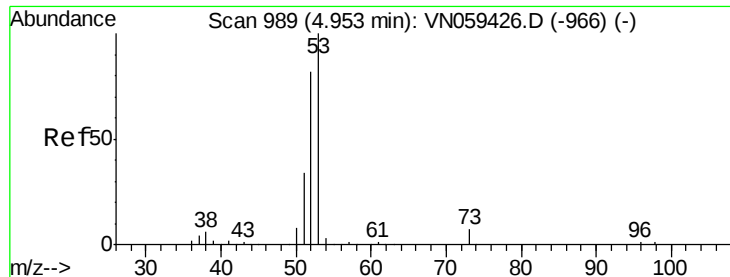
39 60.5 46.5 69.7

76 33.4 26.8 40.2



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





#15

Acrylonitrile

Concen: 102.337 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

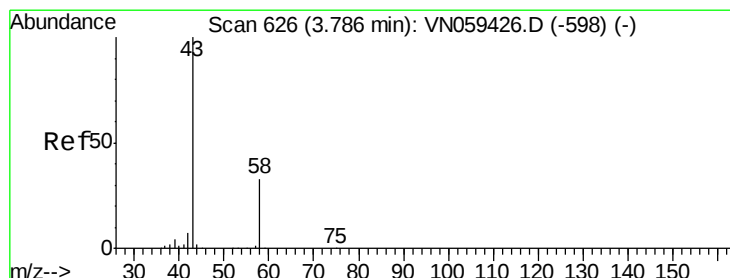
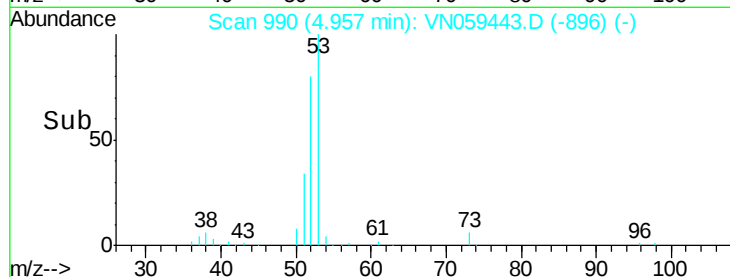
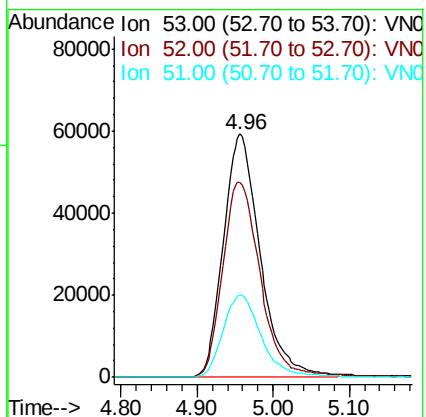
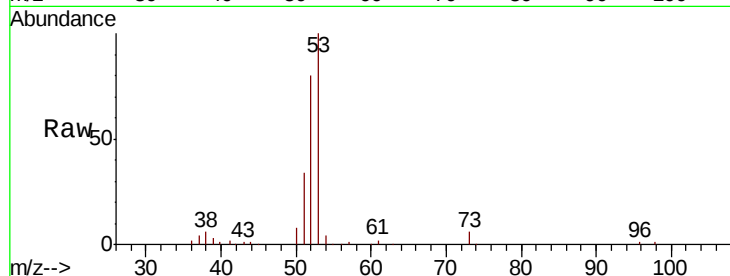
Tot Ion: 53 Resp: 200372

Ion Ratio Lower Upper

53 100

52 81.9 65.1 97.7

51 35.2 27.8 41.8



#16

Acetone

Concen: 106.318 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059443.D

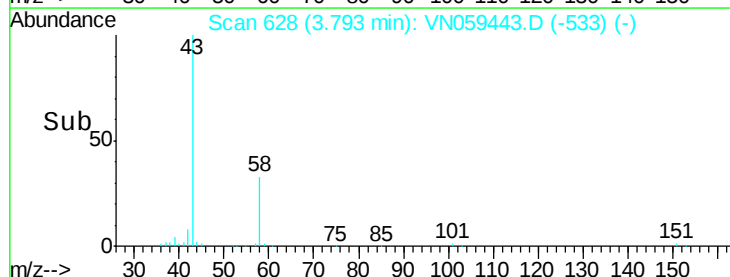
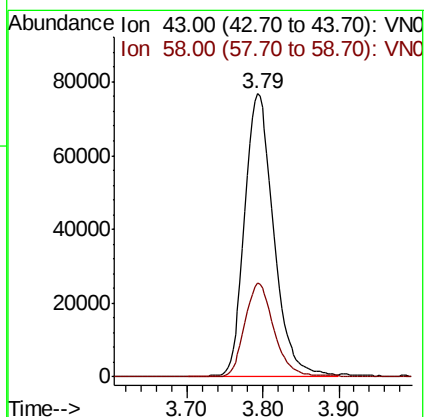
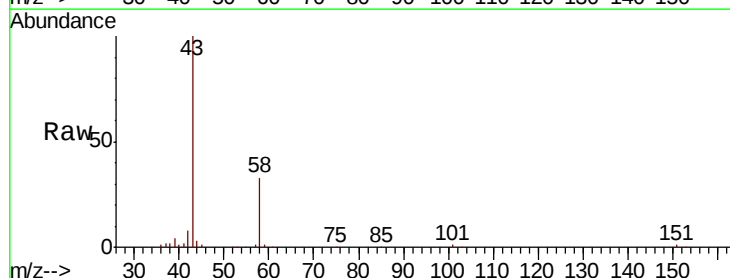
Acq: 29 Nov 2019 13:17

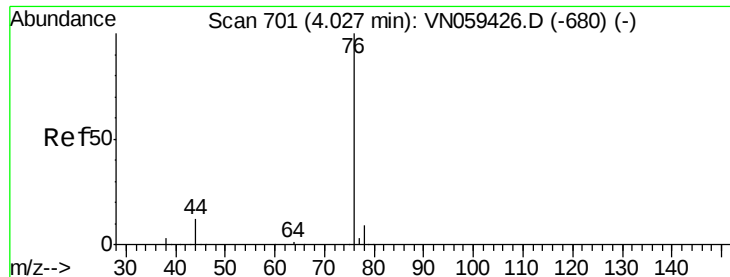
Tgt Ion: 43 Resp: 205441

Ion Ratio Lower Upper

43 100

58 33.2 26.6 39.8





#17

Carbon Disulfide

Concen: 19.106 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

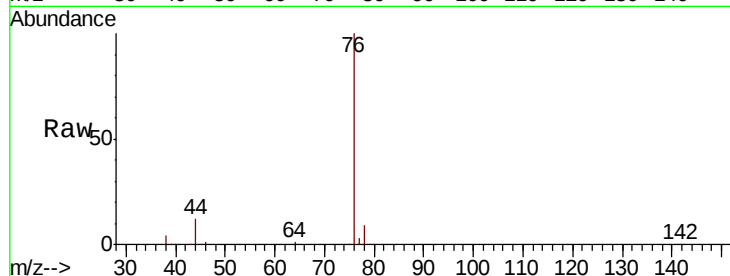
ClientSampleId :

Tot Ion: 76 Resp: 225334

Ion Ratio Lower Upper

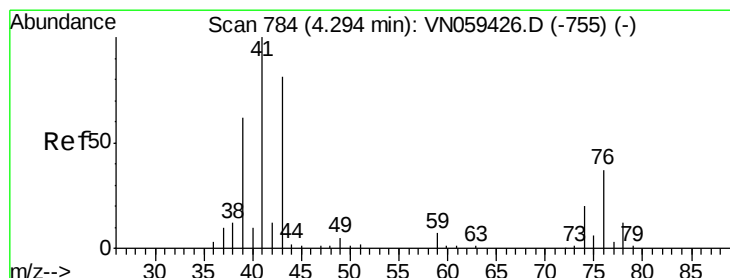
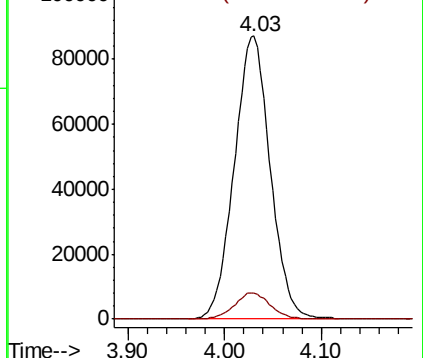
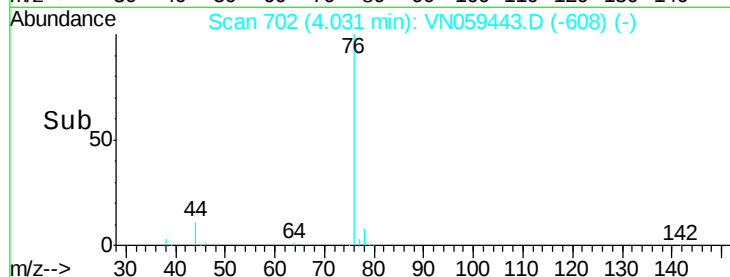
76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN059443.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN059443.D (-608) (-)



#18

Methyl Acetate

Concen: 19.166 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059443.D

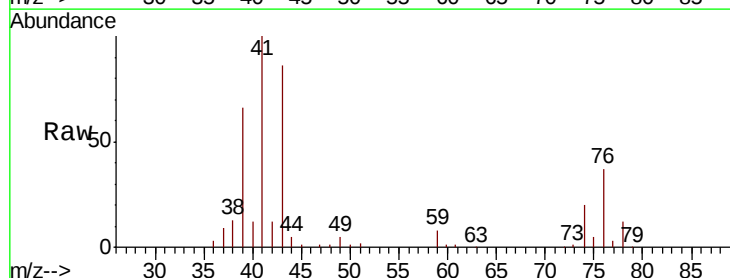
Acq: 29 Nov 2019 13:17

Tgt Ion: 43 Resp: 100851

Ion Ratio Lower Upper

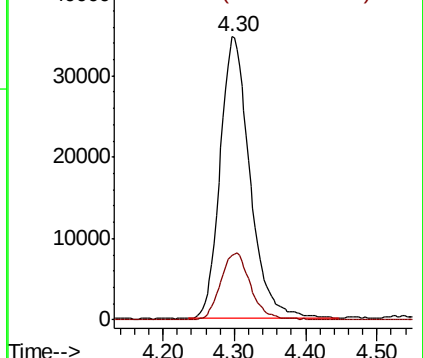
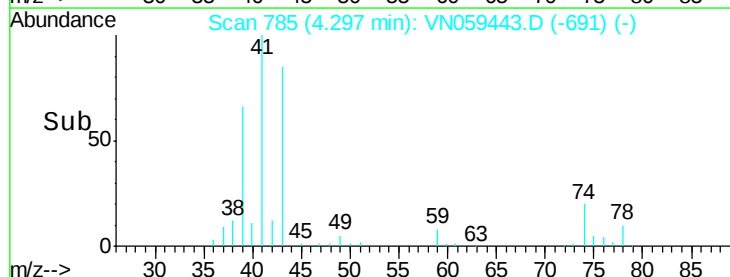
43 100

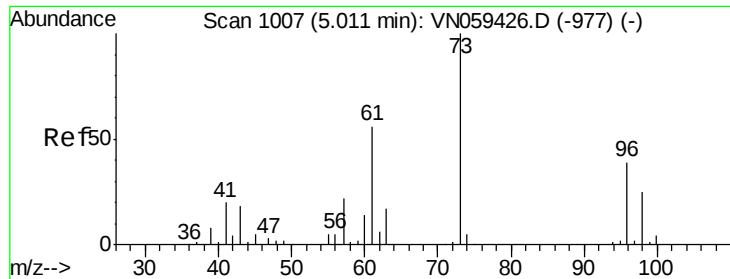
74 23.7 18.6 28.0



Abundance Ion 43.00 (42.70 to 43.70): VN059443.D (-691) (-)

Ion 74.00 (73.70 to 74.70): VN059443.D (-691) (-)

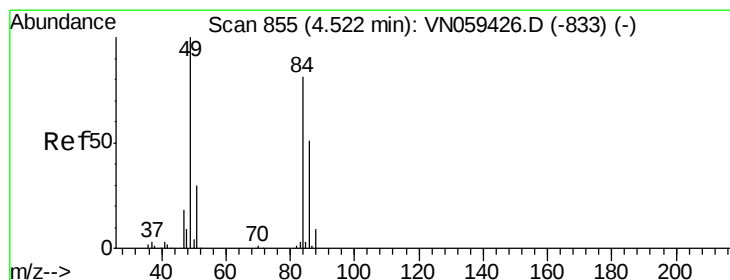
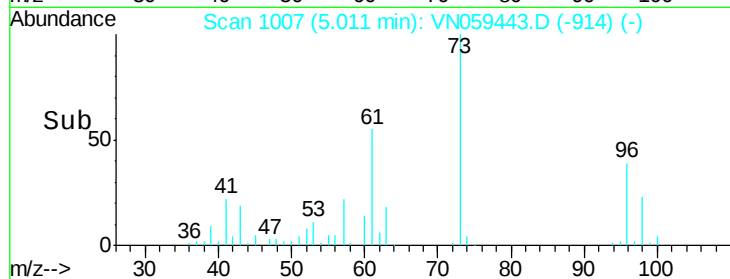
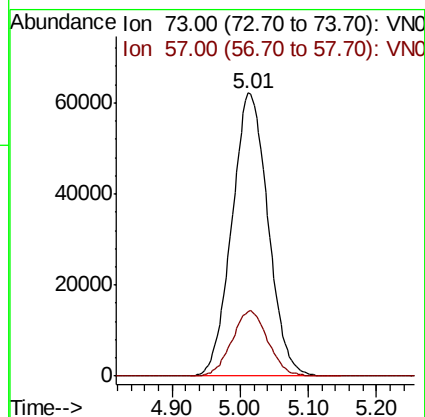
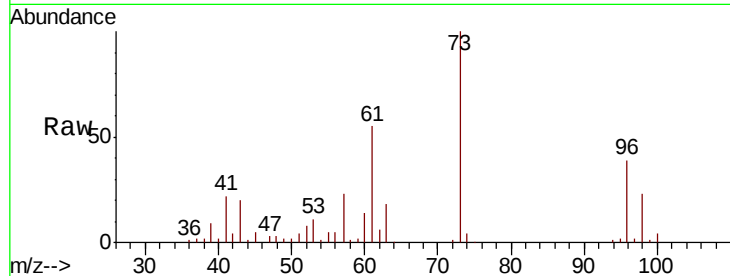




#19
Methvl tert-butvl Ether
Concen: 20.654 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

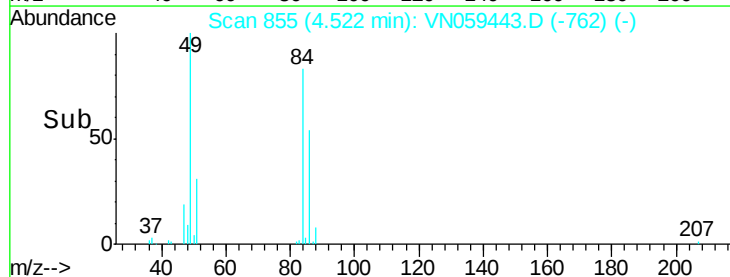
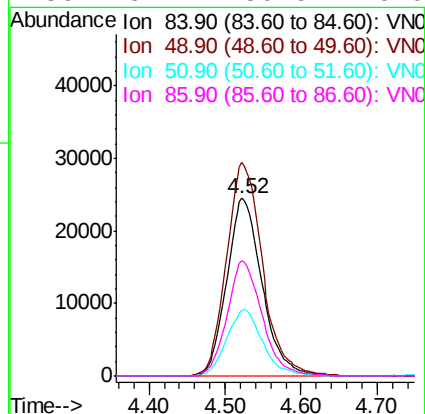
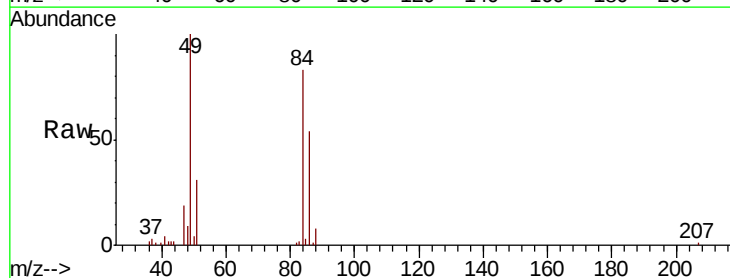
Instrument :
MSVOA_N
ClientSampleId :

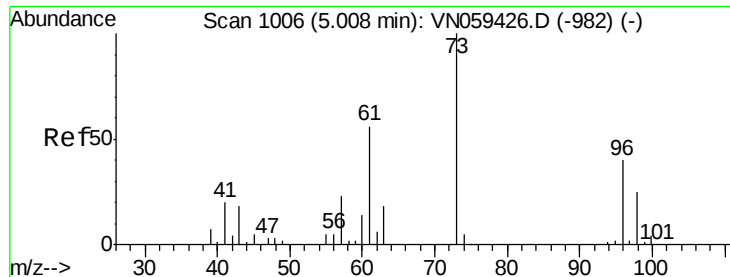
Tot Ion: 73 Resp: 228741
Ion Ratio Lower Upper
73 100
57 22.7 17.7 26.5



#20
Methylene Chloride
Concen: 20.142 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion: 84 Resp: 79086
Ion Ratio Lower Upper
84 100
49 120.4 98.6 148.0
51 37.0 29.4 44.0
86 64.7 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.410 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.01 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampled :

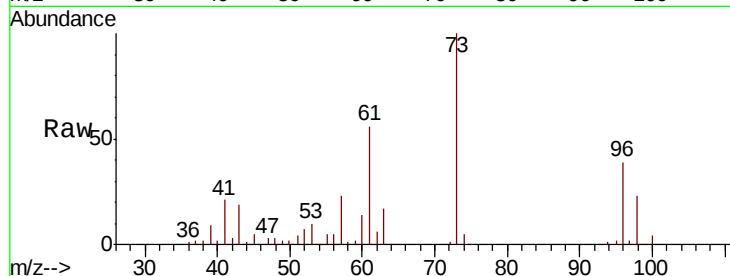
Tot Ion: 96 Resp: 76425

Ion Ratio Lower Upper

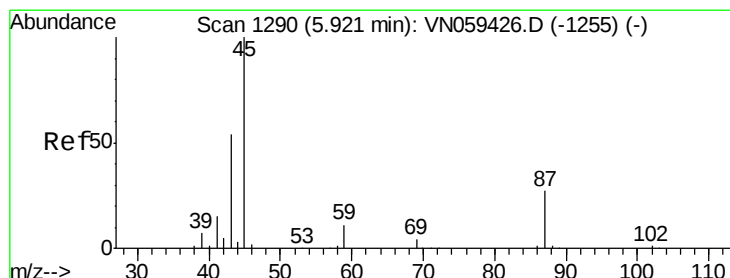
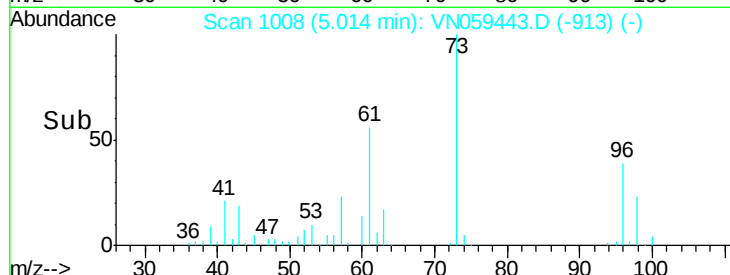
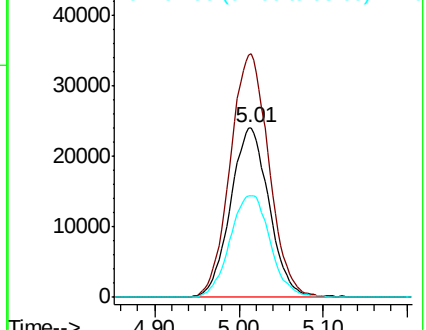
96 100

61 143.8 114.0 171.0

98 60.1 50.5 75.7



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



#22

Diisopropyl ether

Concen: 20.808 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Tgt Ion: 45 Resp: 246470

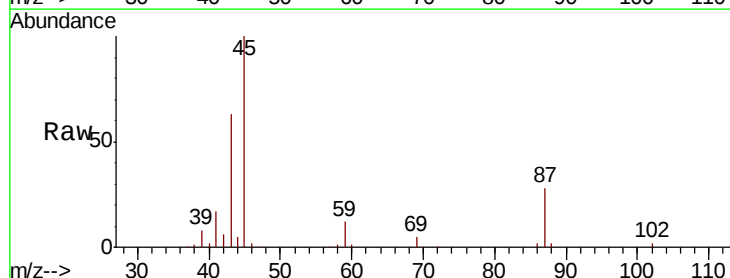
Ion Ratio Lower Upper

45 100

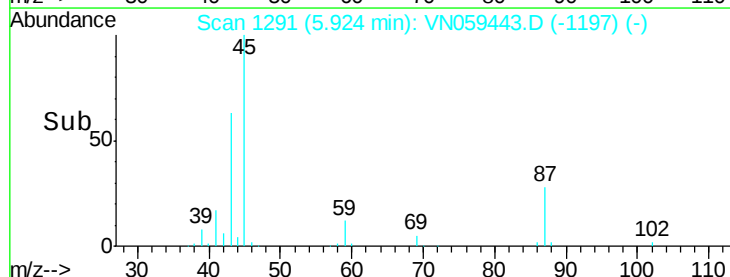
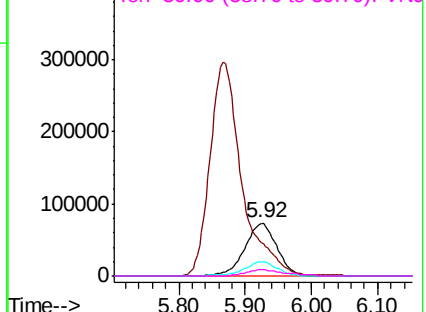
43 61.8 46.3 69.5

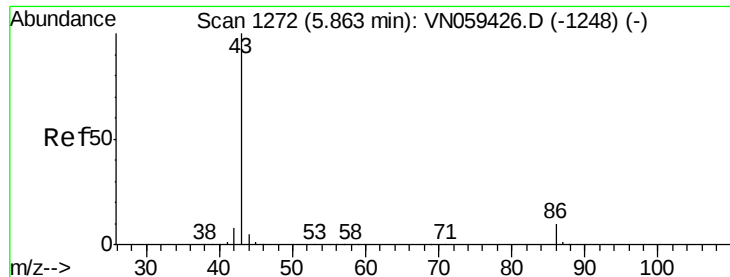
87 28.0 21.8 32.6

59 11.9 9.0 13.4



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

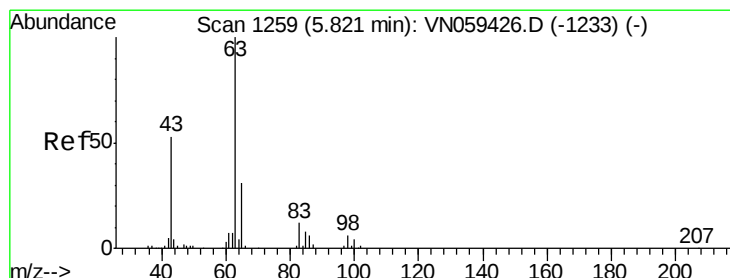
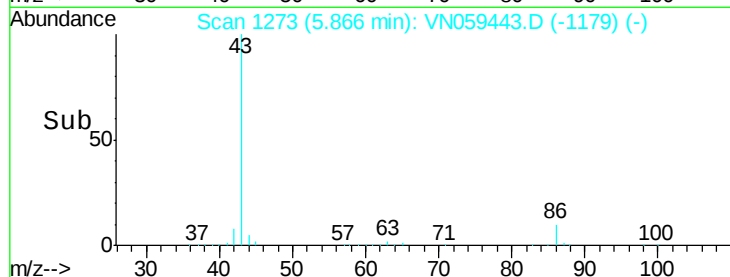
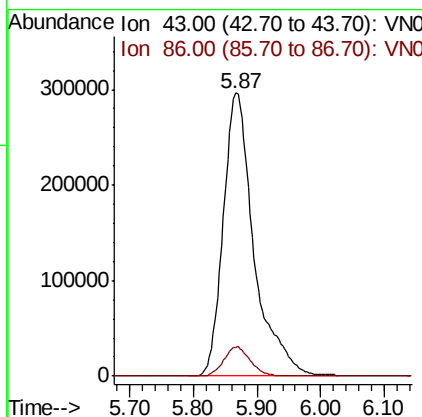
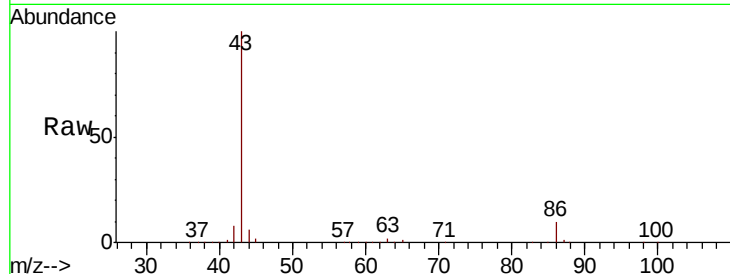




#23
 Vinyl Acetate
 Concen: 104.198 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

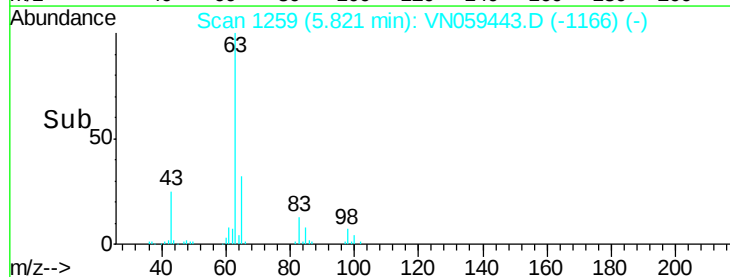
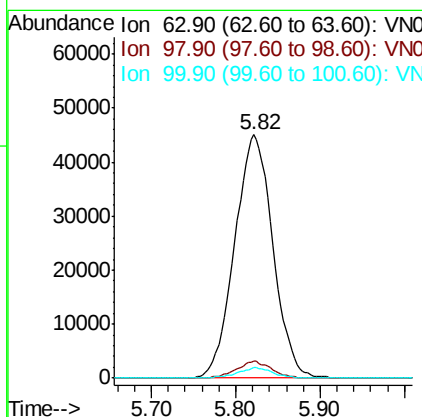
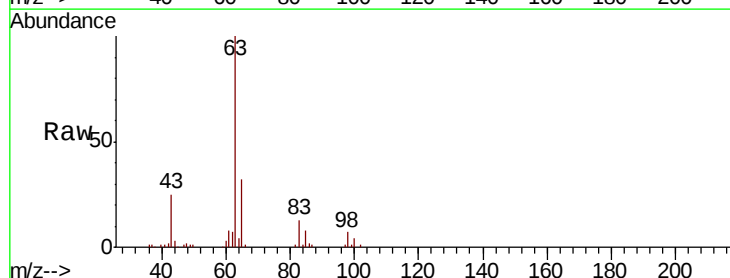
Instrument :
 MSVOA_N
 ClientSampleId :

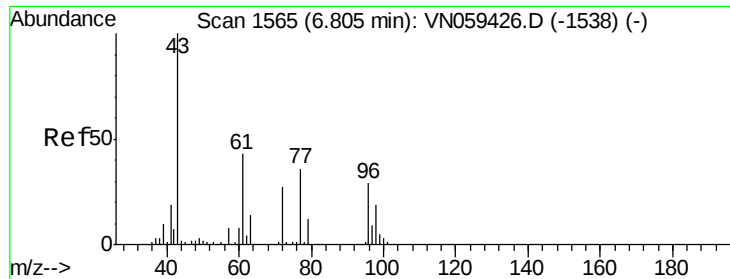
Tot Ion: 43 Resp: 995717
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.2 12.4



#24
 1,1-Dichloroethane
 Concen: 20.784 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Tgt Ion: 63 Resp: 141648
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.2 9.6
 100 4.3 2.1 6.3





#25

2-Butanone

Concen: 101.899 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

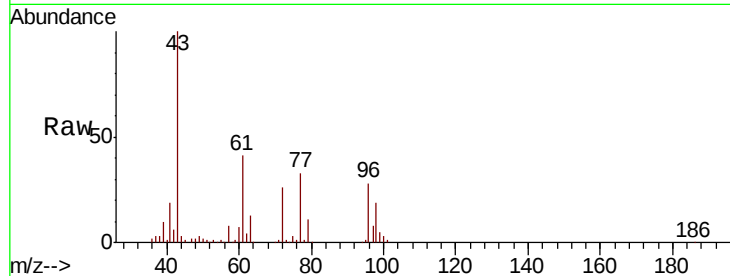
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 270877

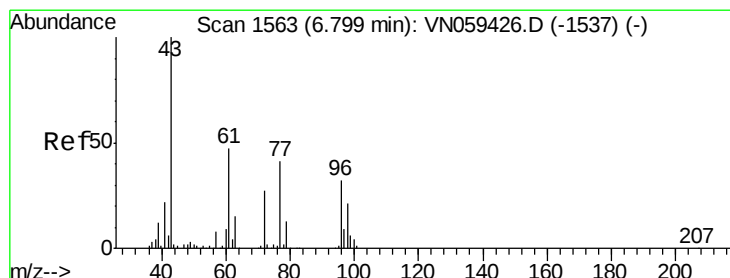
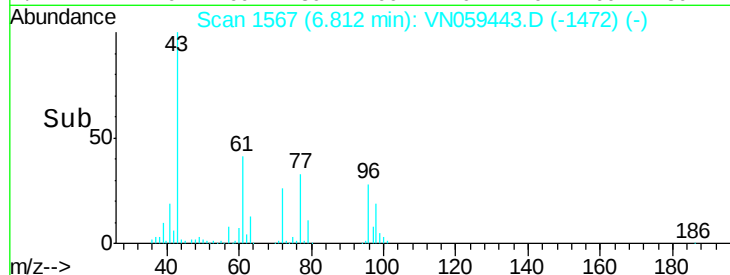
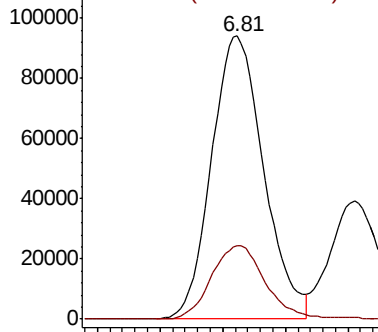
Ion Ratio Lower Upper

43 100

72 26.2 21.4 32.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.816 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059443.D

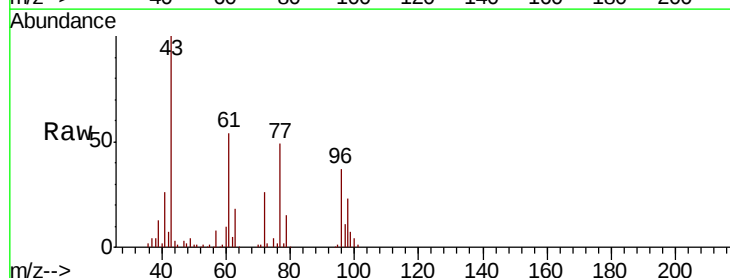
Acq: 29 Nov 2019 13:17

Tgt Ion: 77 Resp: 120729

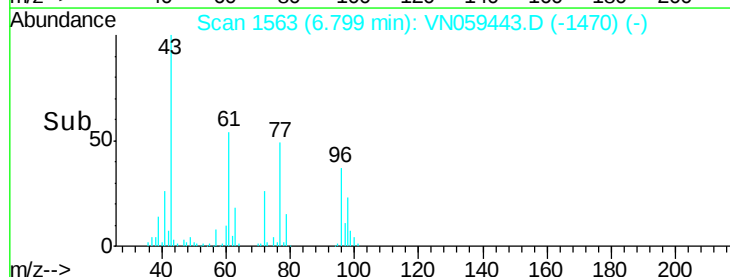
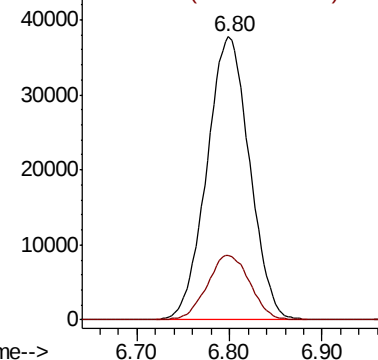
Ion Ratio Lower Upper

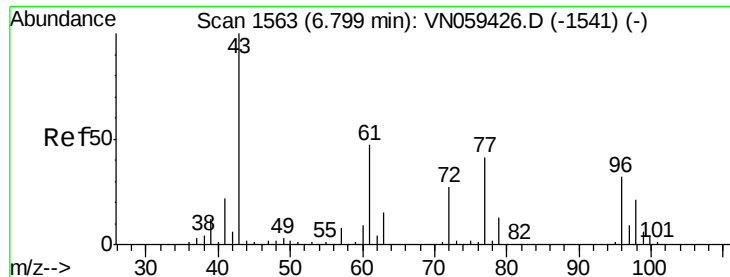
77 100

97 22.7 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VN0
Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.619 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampled :

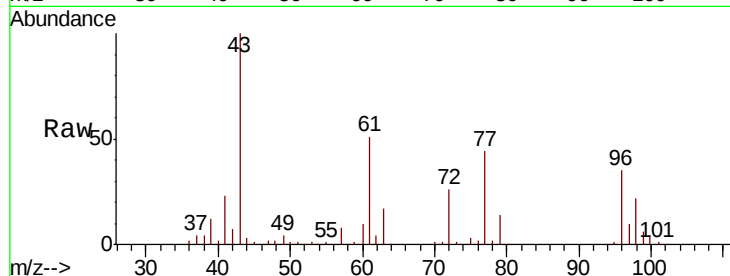
Tot Ion: 96 Resp: 84440

Ion Ratio Lower Upper

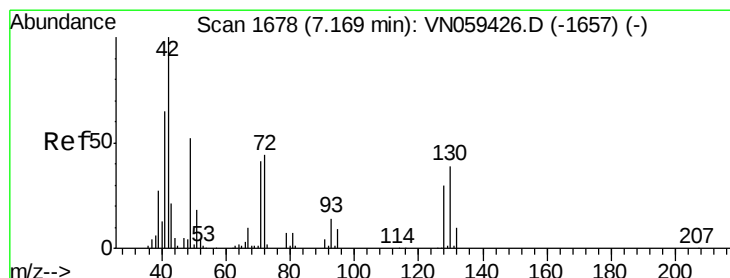
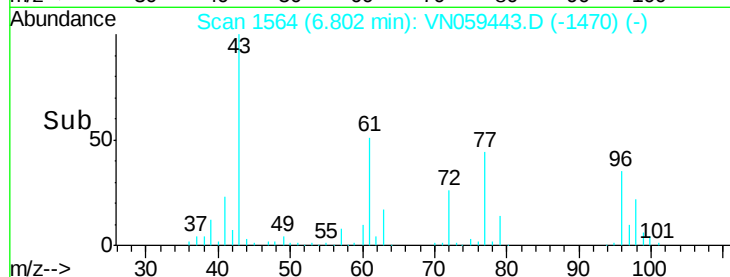
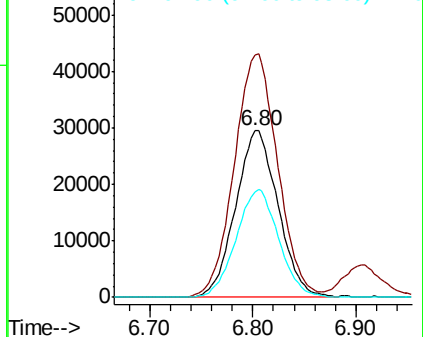
96 100

61 149.1 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: 20.506 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

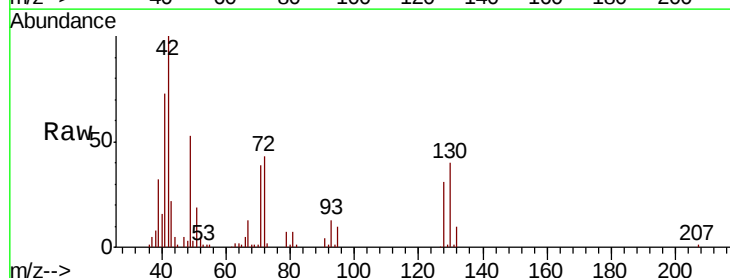
Tgt Ion: 49 Resp: 57521

Ion Ratio Lower Upper

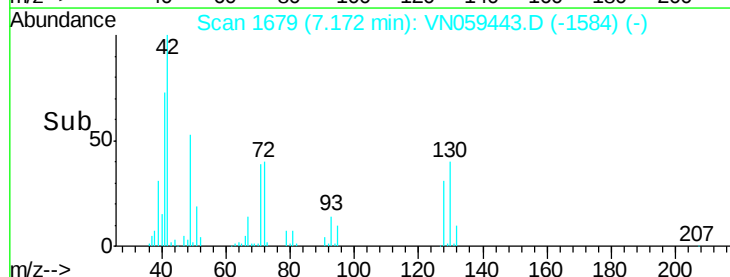
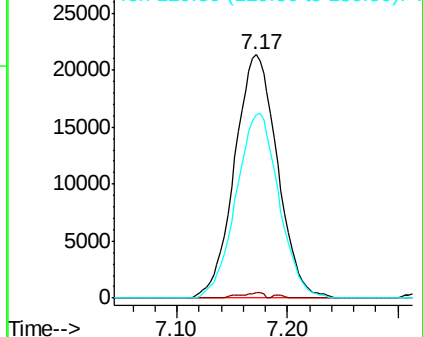
49 100

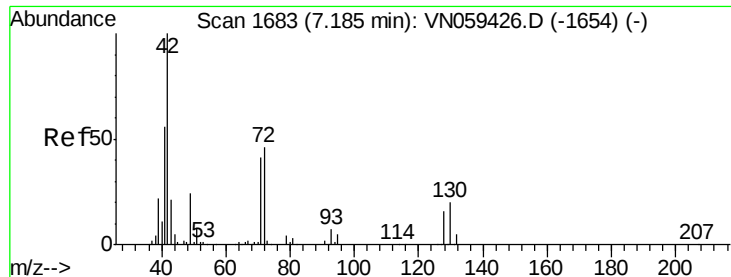
129 1.2 0.0 3.6

130 75.8 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

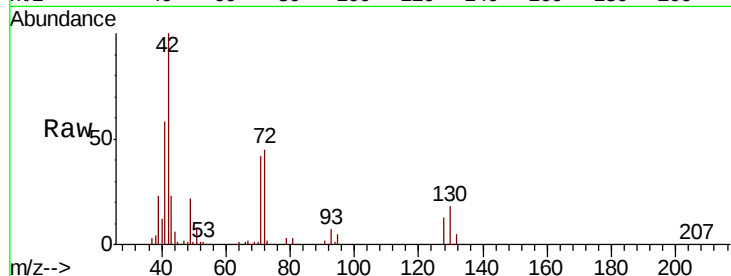




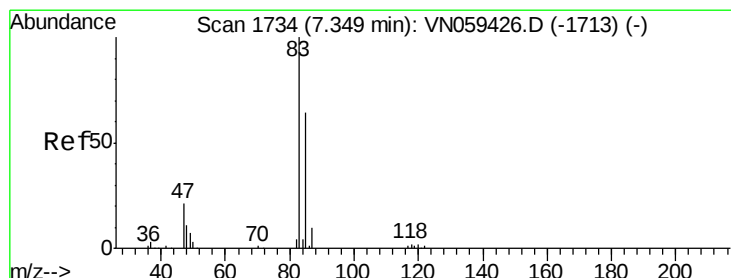
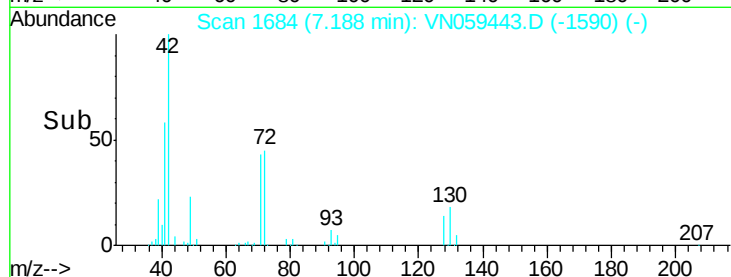
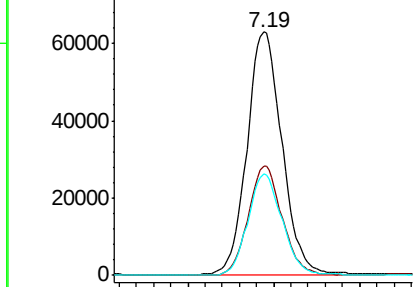
#29
Tetrahydrofuran
Concen: 101.350 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 179183
Ion Ratio Lower Upper
42 100
72 43.5 34.6 51.8
71 40.7 33.0 49.6

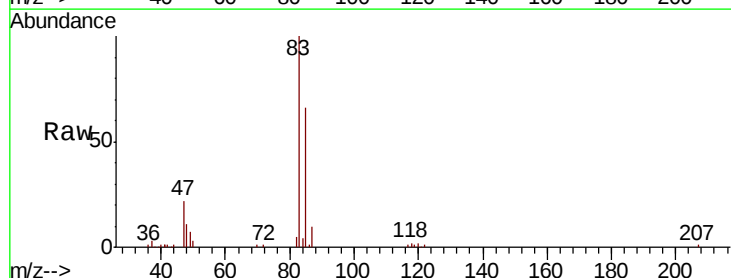


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

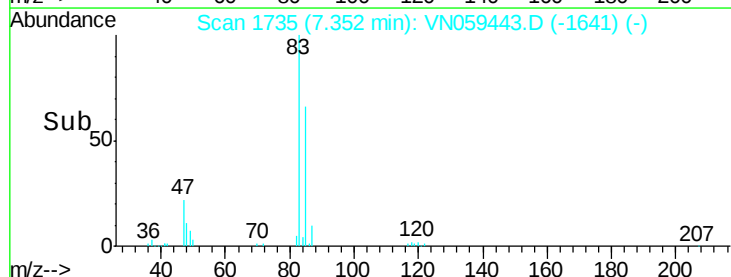
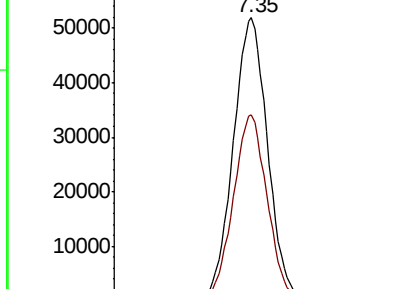


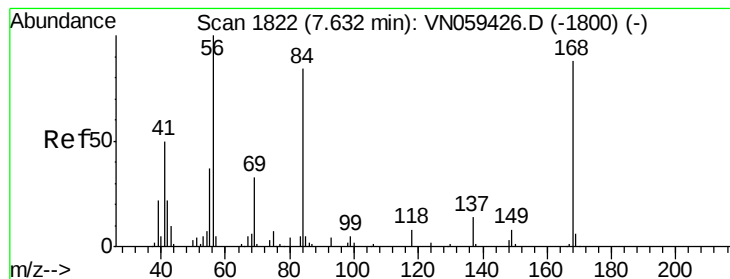
#30
Chloroform
Concen: 19.568 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion: 83 Resp: 134199
Ion Ratio Lower Upper
83 100
85 65.9 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: 19.927 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :

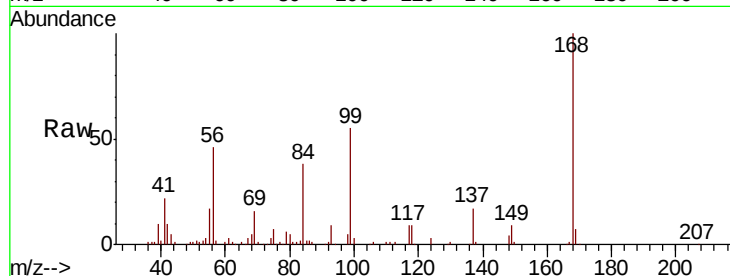
Tot Ion: 56 Resp: 136142

Ion Ratio Lower Upper

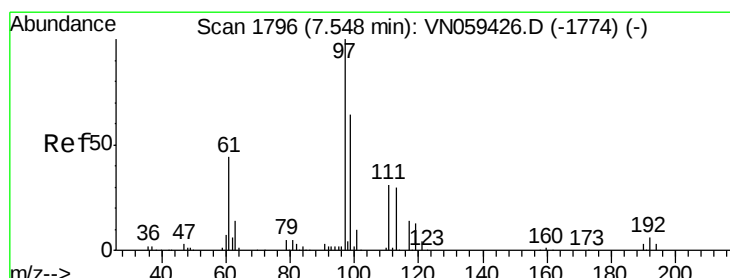
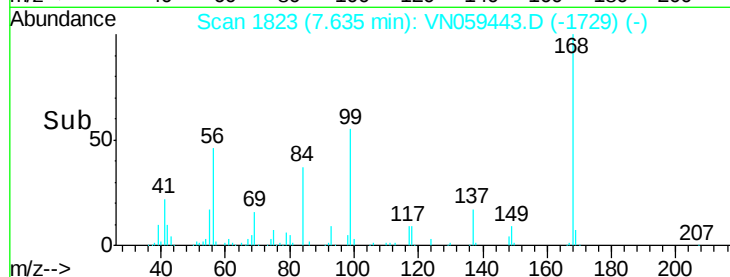
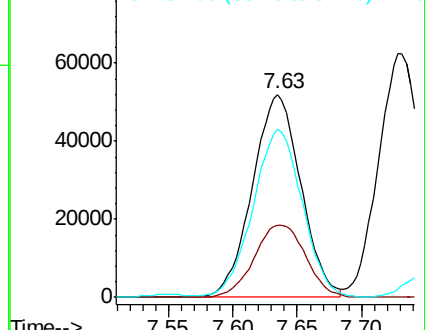
56 100

69 35.4 26.4 39.6

84 81.9 67.0 100.6



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



#32

1,1,1-Trichloroethane

Concen: 20.720 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

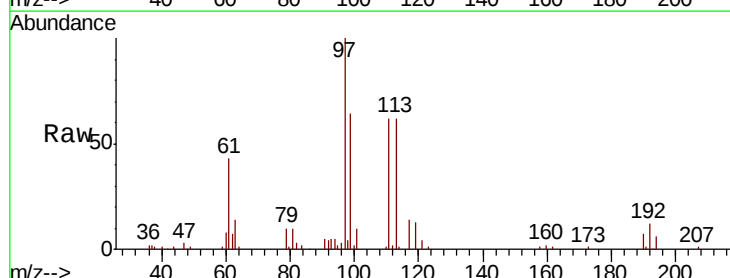
Tgt Ion: 97 Resp: 116203

Ion Ratio Lower Upper

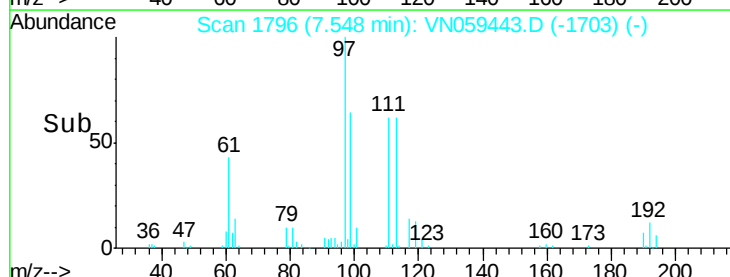
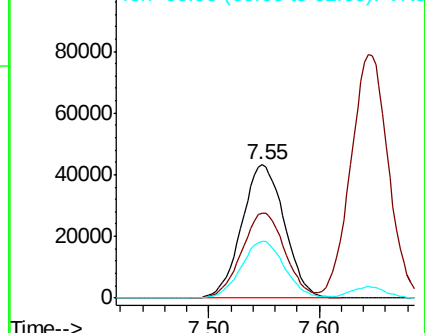
97 100

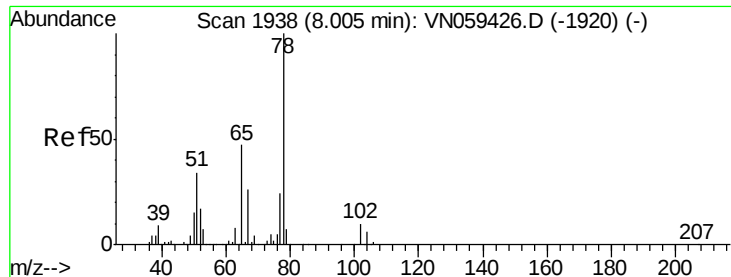
99 64.4 50.9 76.3

61 43.1 34.3 51.5



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





#33

1,2-Dichloroethane-d4

Concen: 48.942 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

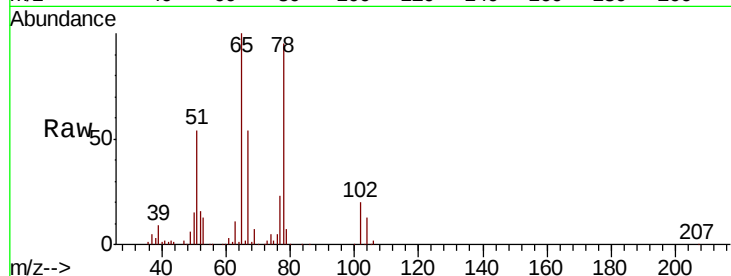
ClientSampleId :

Tot Ion: 65 Resp: 198516

Ion Ratio Lower Upper

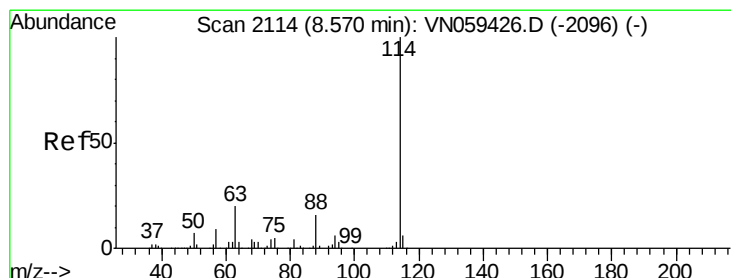
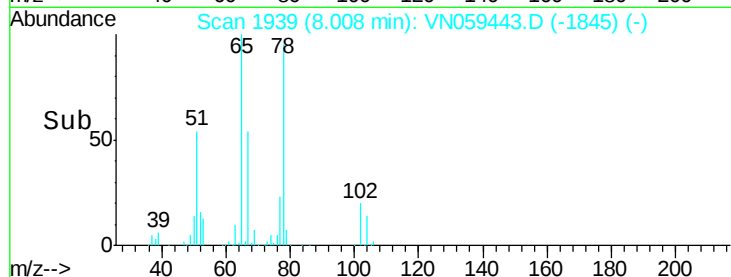
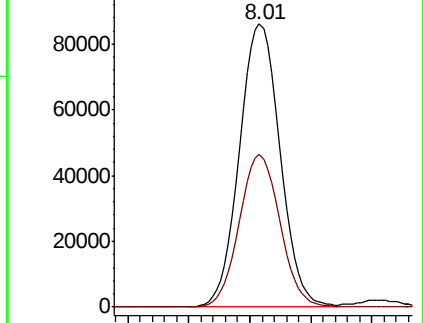
65 100

67 54.1 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN059443.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059443.D (-1845) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

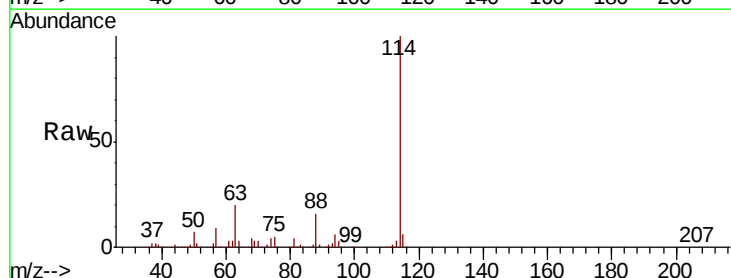
Tgt Ion: 114 Resp: 544541

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.4

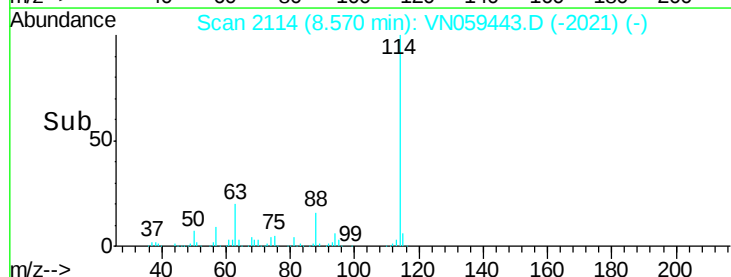
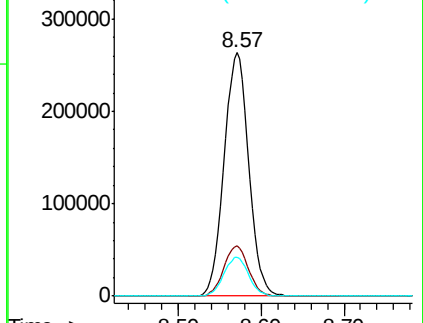
88 16.2 0.0 32.2

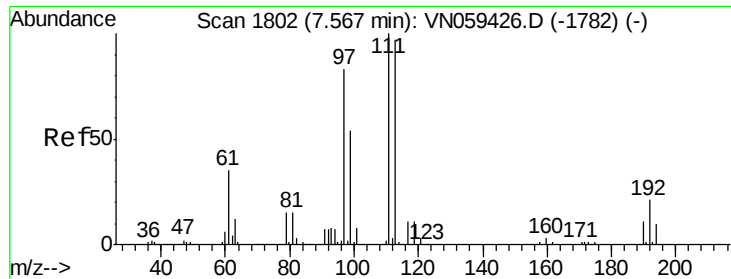


Abundance Ion 113.90 (113.60 to 114.60): VN059443.D (-2021) (-)

Ion 63.00 (62.70 to 63.70): VN059443.D (-2021) (-)

Ion 87.90 (87.60 to 88.60): VN059443.D (-2021) (-)

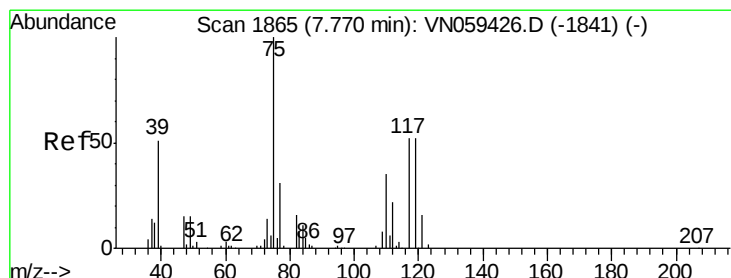
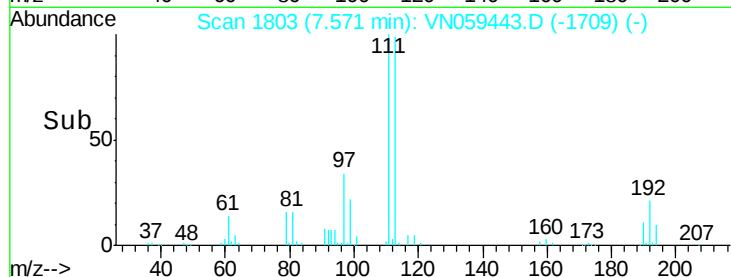
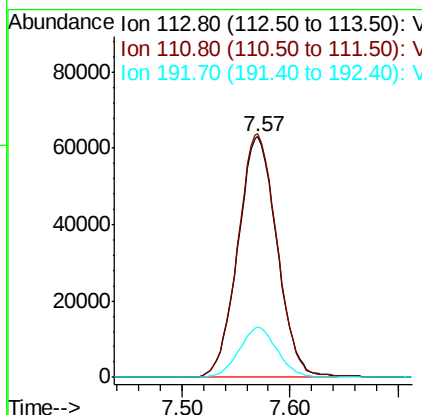
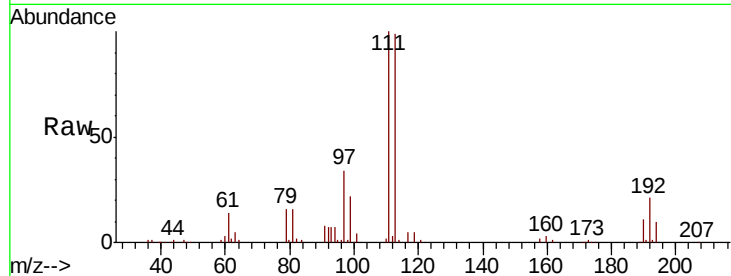




#35
 Dibromofluoromethane
 Concen: 47.868 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

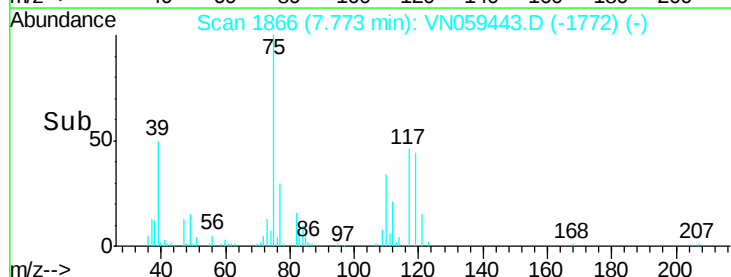
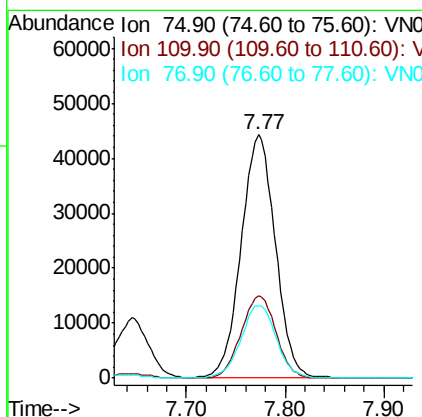
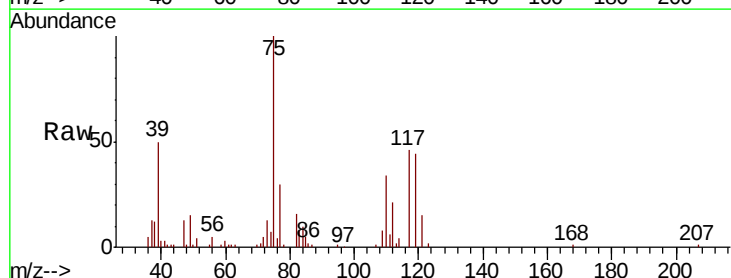
Instrument :
 MSVOA_N
 ClientSampleId :

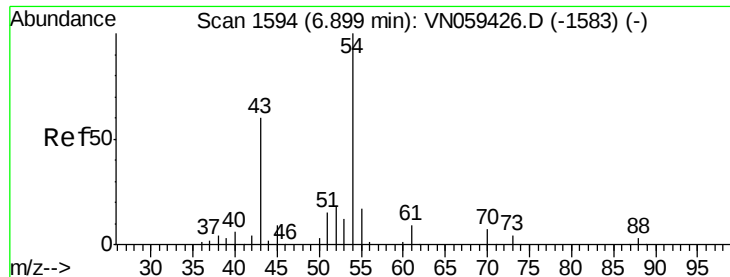
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.9	122.9
192	20.3	16.6	24.8



#36
 1,1-Dichloropropene
 Concen: 20.332 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.3	52.0
77	30.9	24.9	37.3

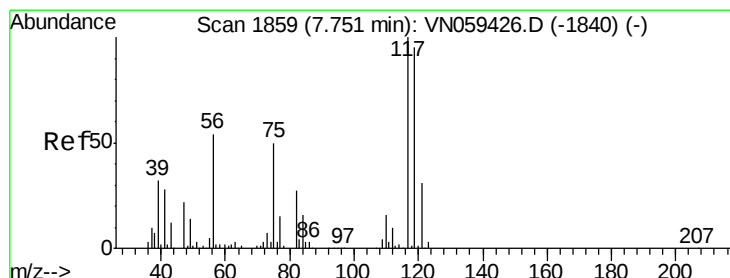
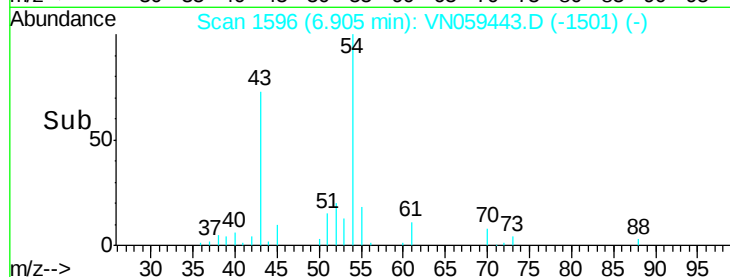
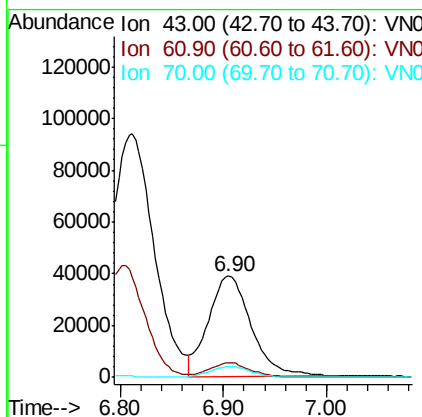
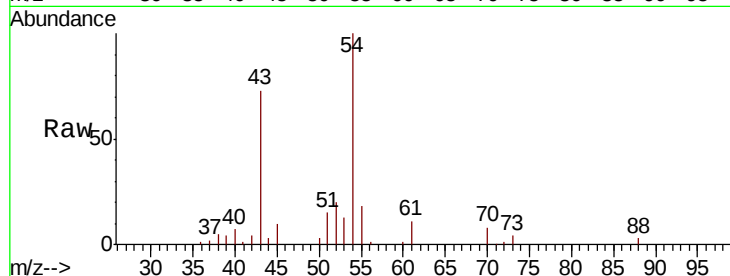




#37
Ethyl Acetate
Concen: 20.085 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

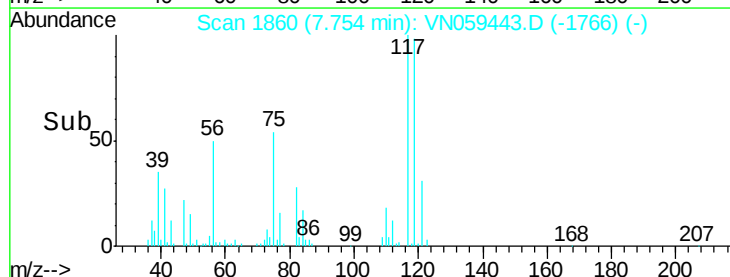
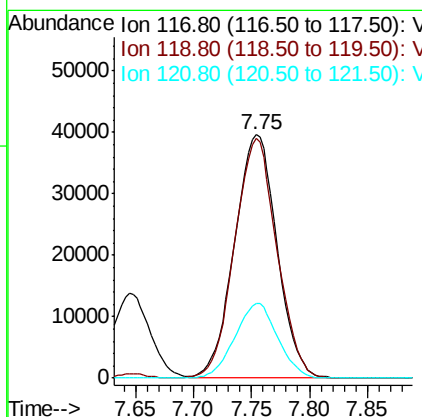
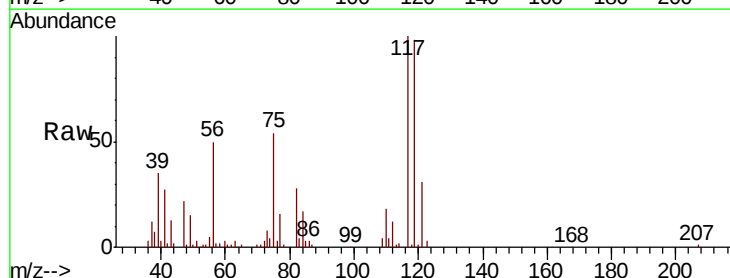
Instrument :
MSVOA_N
ClientSampled :

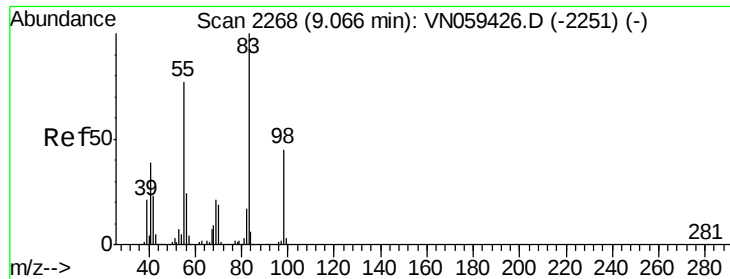
Tot Ion: 43 Resp: 111279
Ion Ratio Lower Upper
43 100
61 14.2 12.2 18.2
70 10.5 8.8 13.2



#38
Carbon Tetrachloride
Concen: 20.446 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion: 117 Resp: 101042
Ion Ratio Lower Upper
117 100
119 98.4 75.9 113.9
121 30.7 24.6 36.8

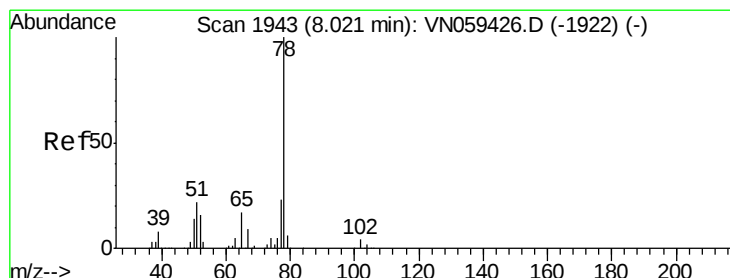
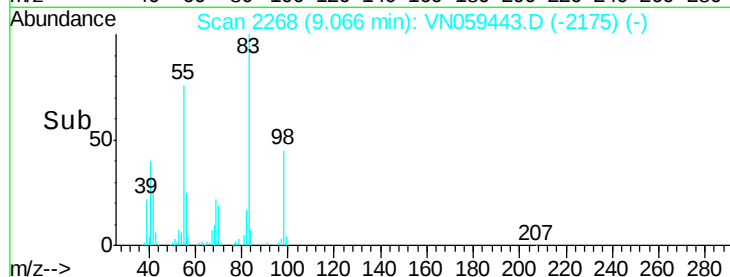
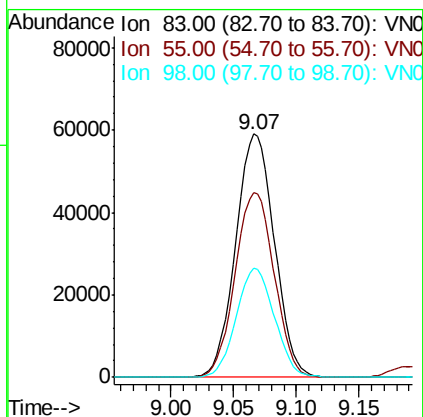
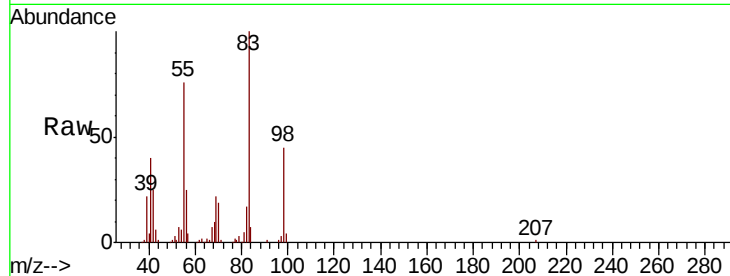




#39
Methvlcvclohexane
Concen: 20.255 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

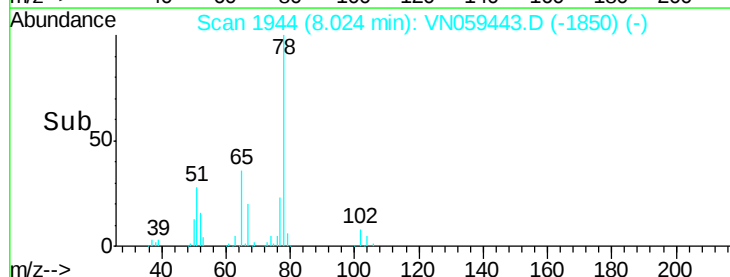
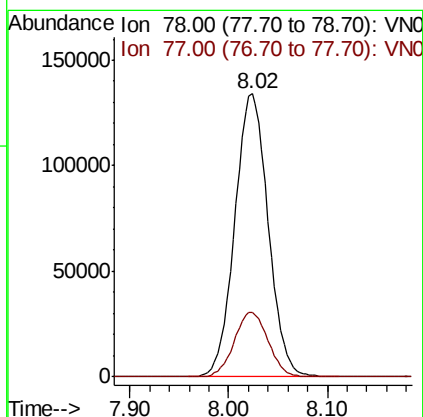
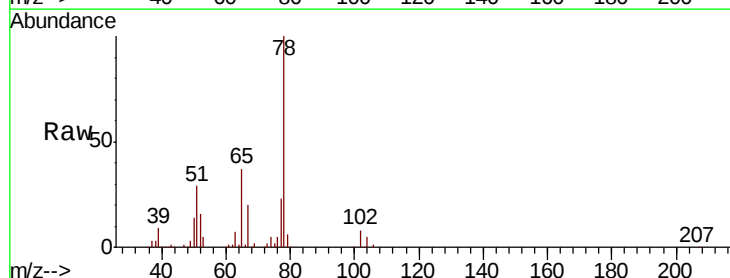
Instrument :
MSVOA_N
ClientSampleId :

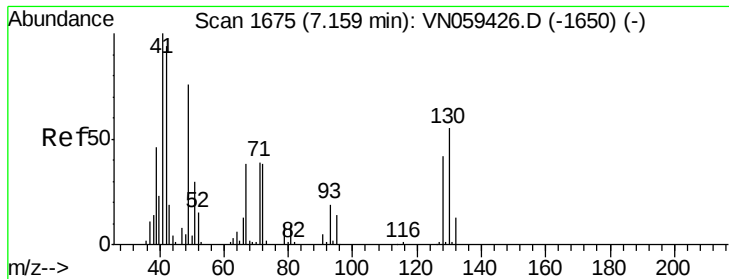
Tot Ion: 83 Resp: 126893
Ion Ratio Lower Upper
83 100
55 75.8 61.6 92.4
98 44.7 35.7 53.5



#40
Benzene
Concen: 20.238 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion: 78 Resp: 314662
Ion Ratio Lower Upper
78 100
77 22.9 18.3 27.5

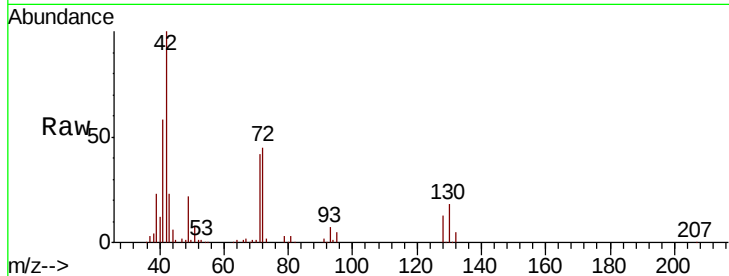




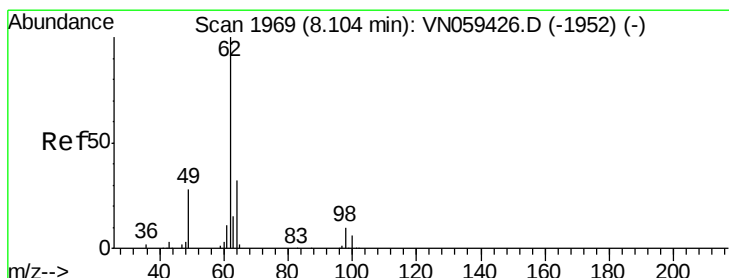
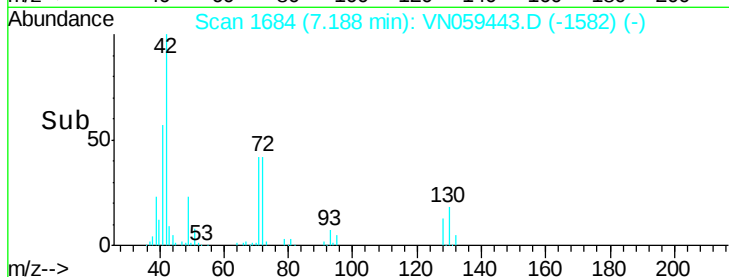
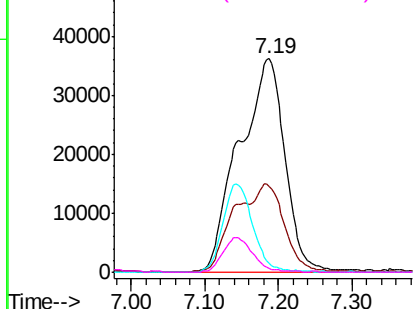
#41
Methacrylonitrile
Concen: 60.362 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	155723
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

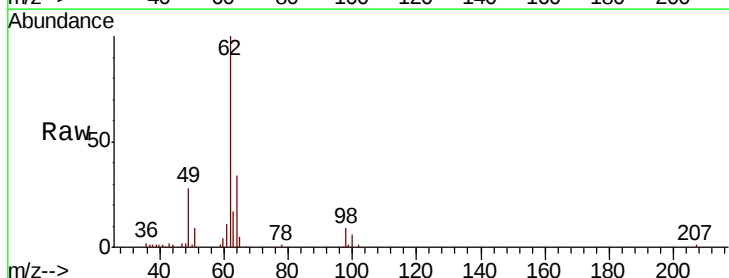


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

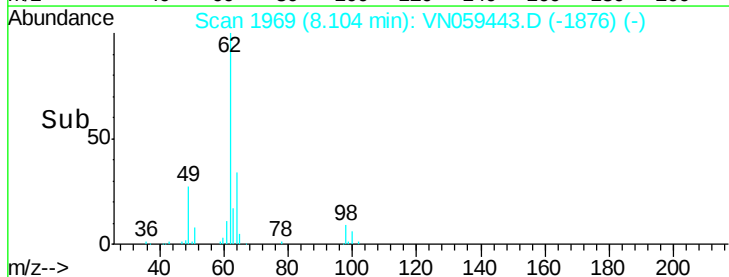
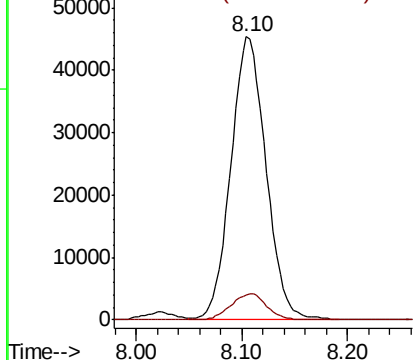


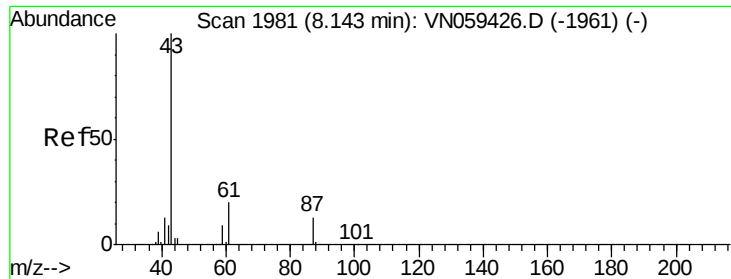
#42
1,2-Dichloroethane
Concen: 21.276 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion:	62	Resp:	104895
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

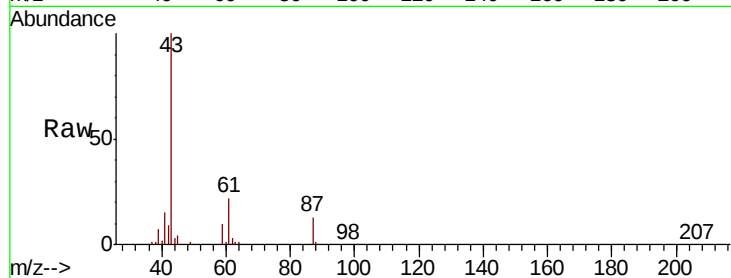




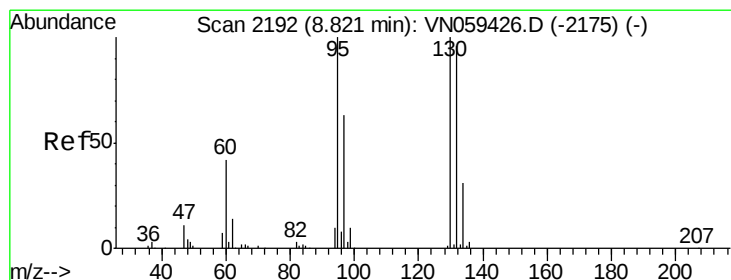
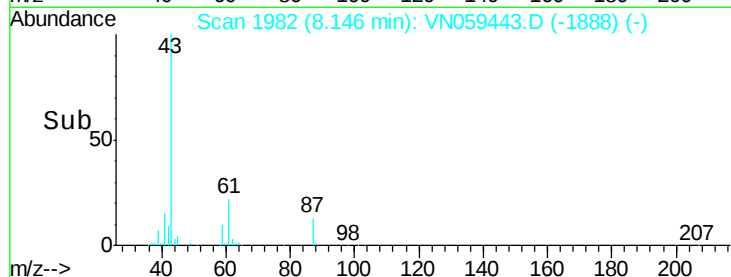
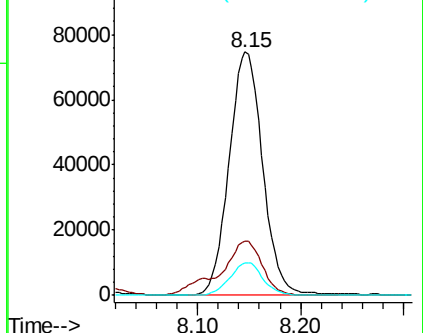
#43
Isopropyl Acetate
Concen: 20.137 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 169489
Ion Ratio Lower Upper
43 100
61 22.4 22.2 33.2
87 13.3 10.7 16.1

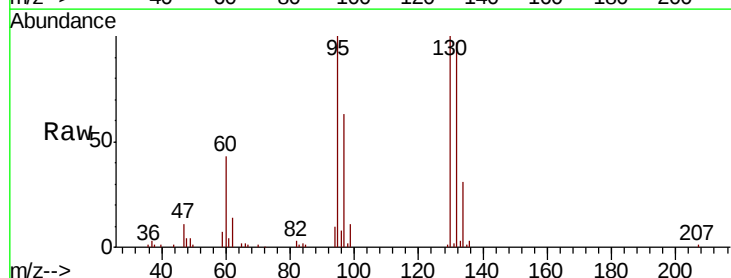


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

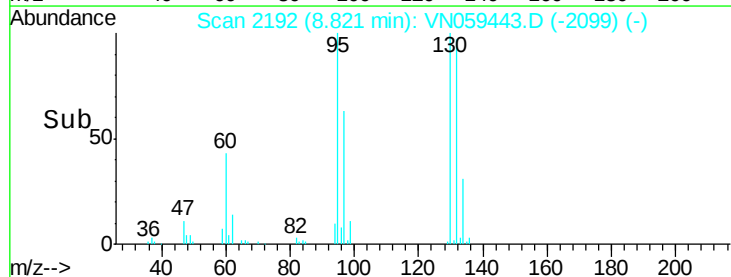
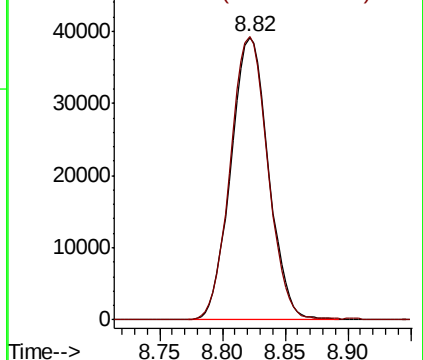


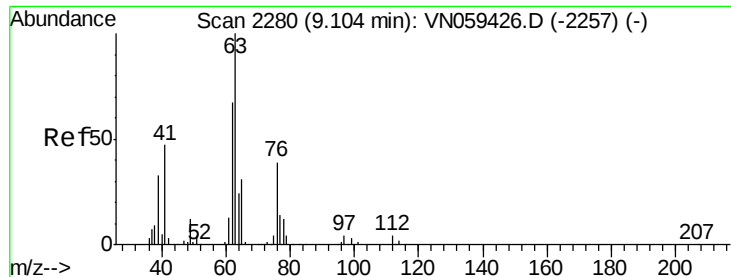
#44
Trichloroethene
Concen: 20.597 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion:130 Resp: 81658
Ion Ratio Lower Upper
130 100
95 100.2 0.0 199.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0

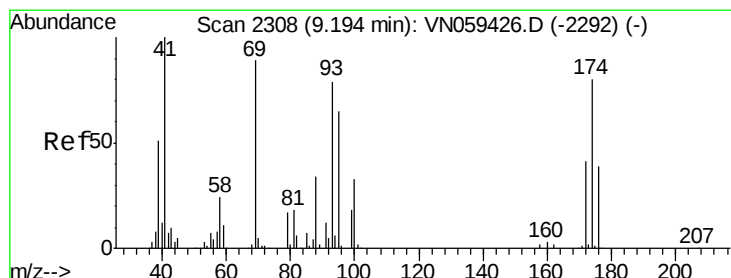
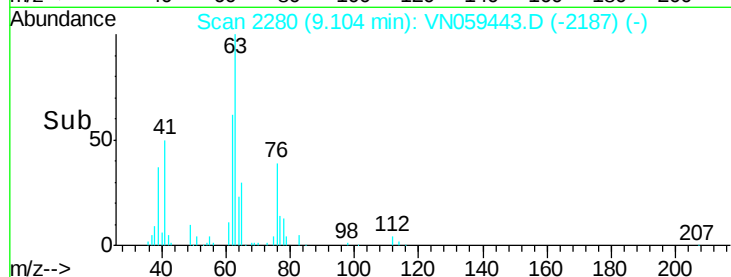
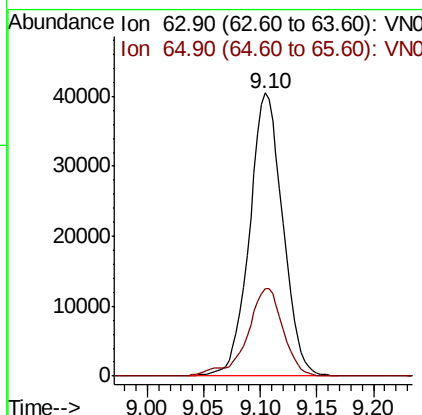
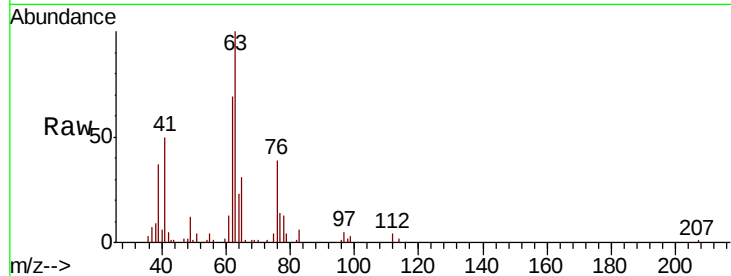




#45
 1,2-Dichloropropane
 Concen: 20.348 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

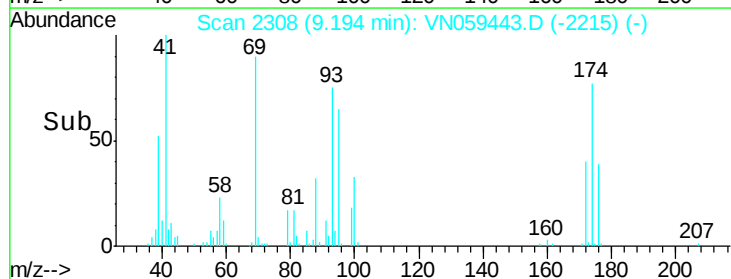
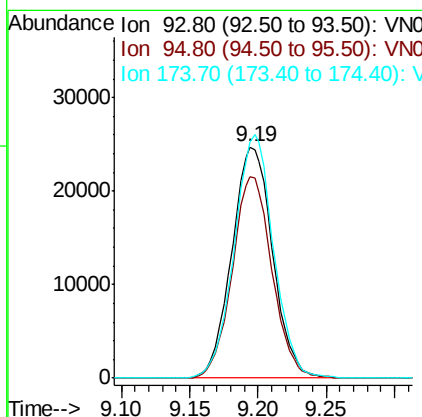
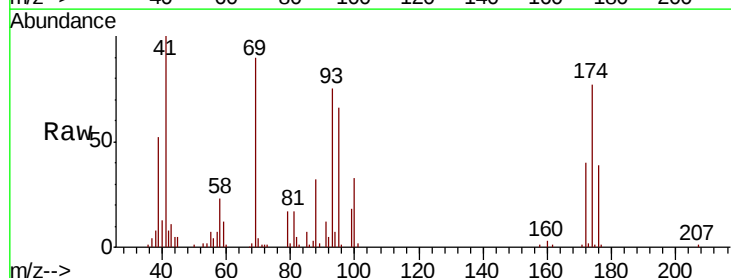
Instrument :
 MSVOA_N
 ClientSampleId :

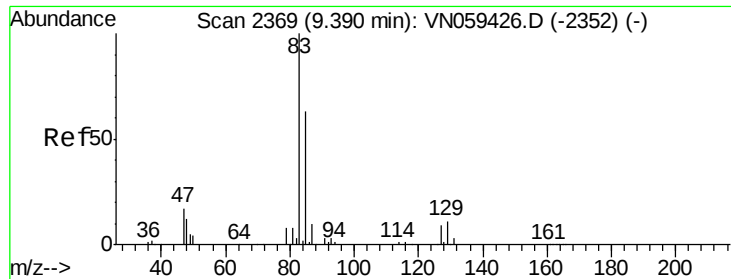
Tot Ion: 63 Resp: 82755
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.6 36.8



#46
 Dibromomethane
 Concen: 20.445 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Tgt Ion: 93 Resp: 51312
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.2 99.4
 174 101.7 81.8 122.8

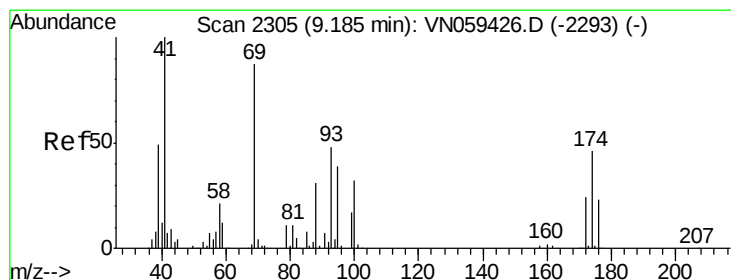
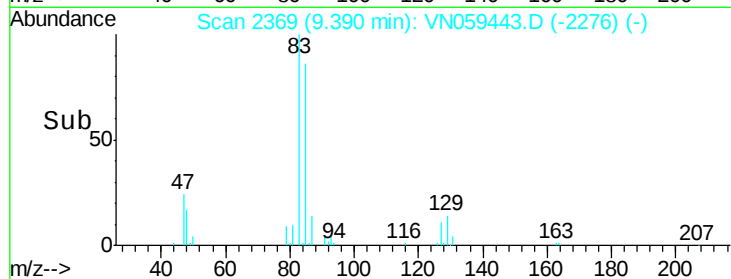
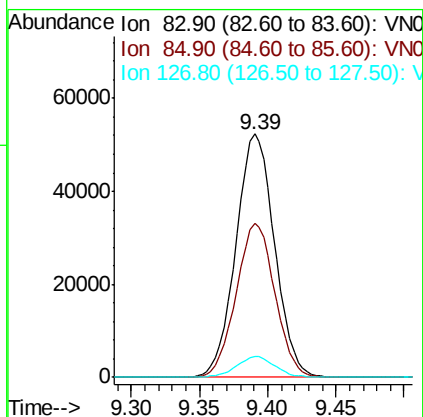
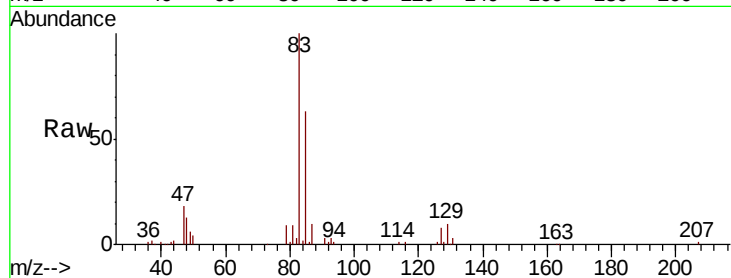




#47
Bromodichloromethane
Concen: 20.257 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

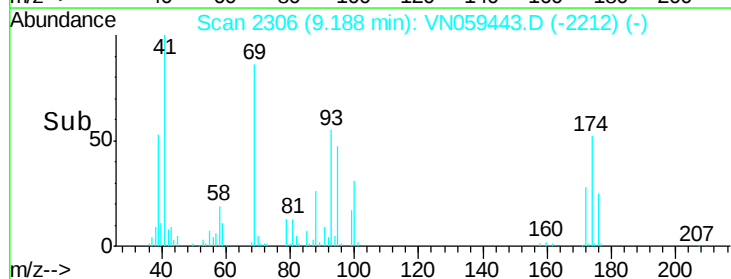
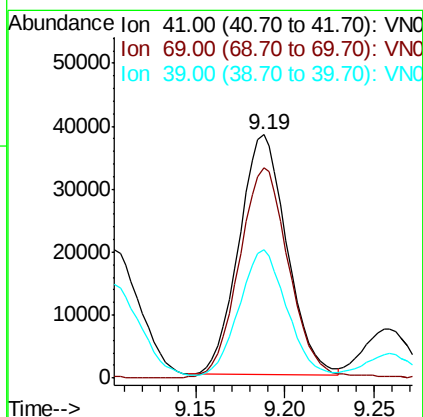
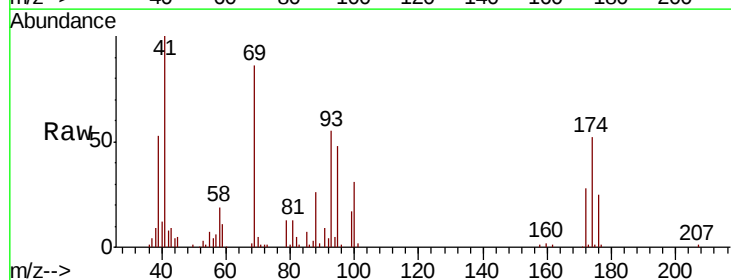
Instrument :
MSVOA_N
ClientSampled :

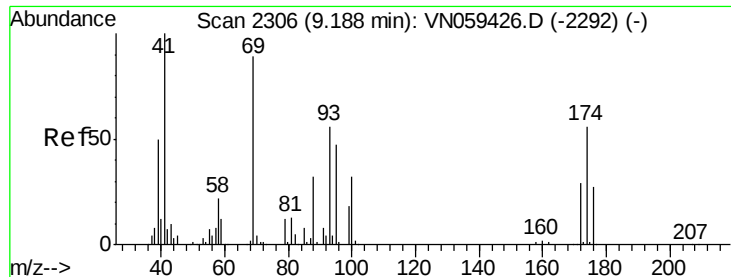
Tot Ion: 83 Resp: 102828
Ion Ratio Lower Upper
83 100
85 63.1 50.6 75.8
127 8.5 6.8 10.2



#48
Methyl methacrylate
Concen: 19.269 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion: 41 Resp: 71952
Ion Ratio Lower Upper
41 100
69 91.1 71.6 107.4
39 53.1 41.3 61.9

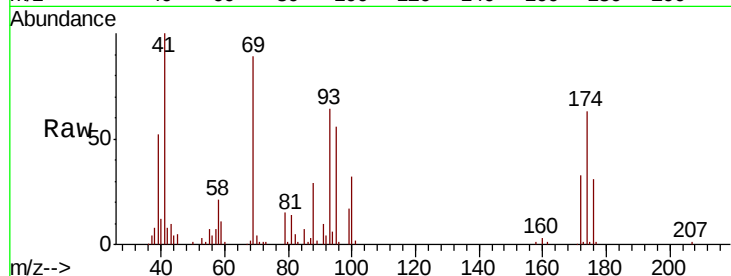




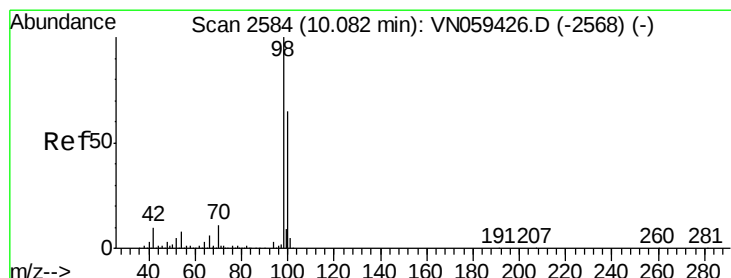
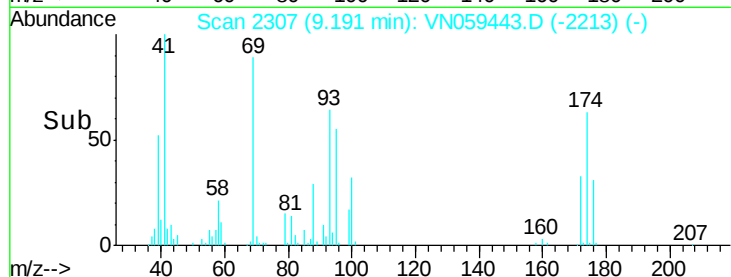
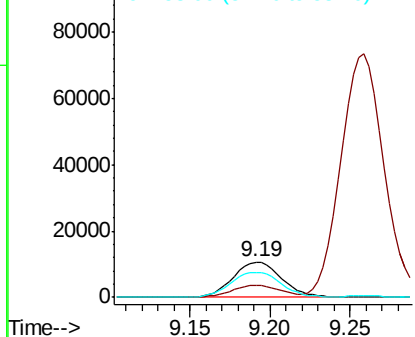
#49
1,4-Dioxane
Concen: 403.910 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 22028
Ion Ratio Lower Upper
88 100
43 35.1 23.7 35.5
58 73.2 56.3 84.5

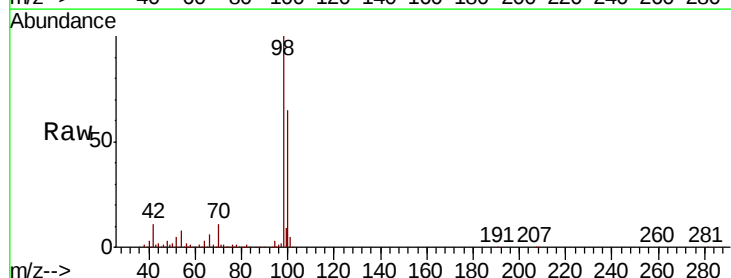


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

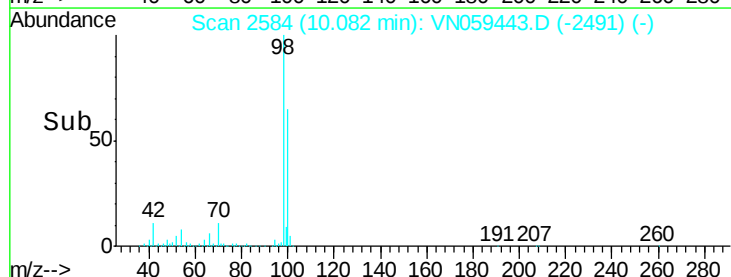
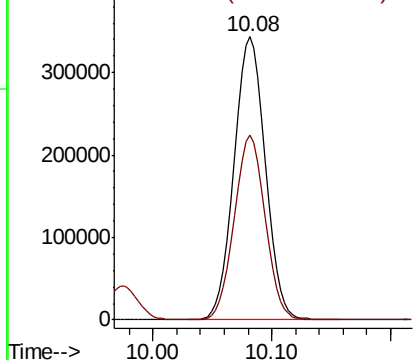


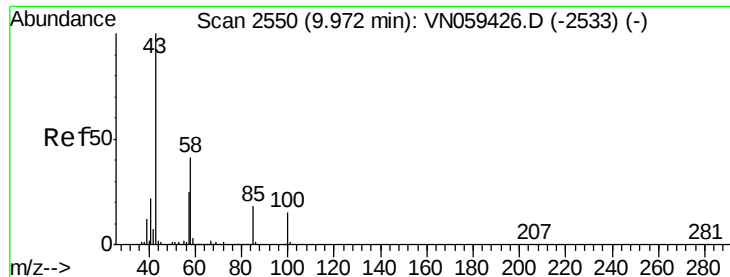
#50
Toluene-d8
Concen: 47.432 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion: 98 Resp: 626878
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 103.621 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

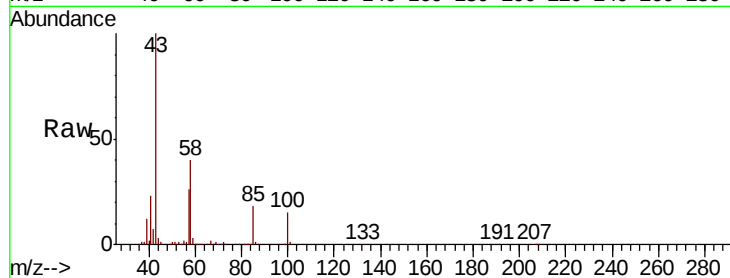
ClientSampled :

Tot Ion: 43 Resp: 505881

Ion Ratio Lower Upper

43 100

58 40.1 32.5 48.7



Abundance Ion 43.00 (42.70 to 43.70): VN059426.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN059426.D (-2533) (-)

9.98

250000

200000

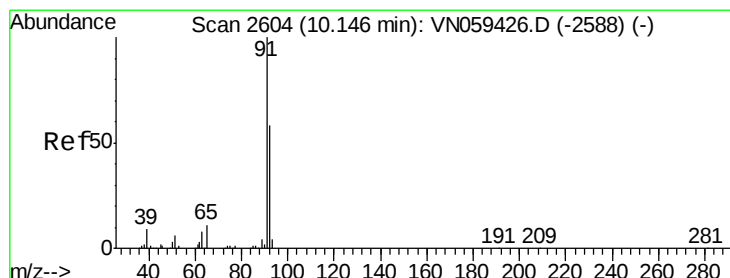
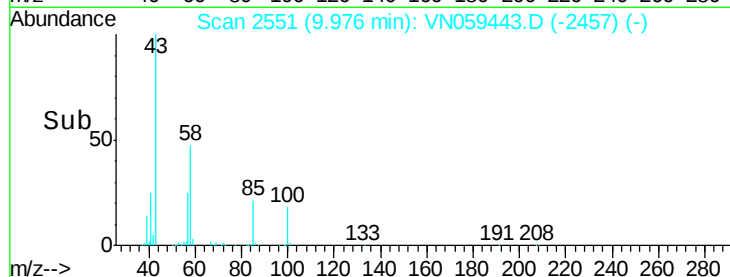
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.570 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059443.D

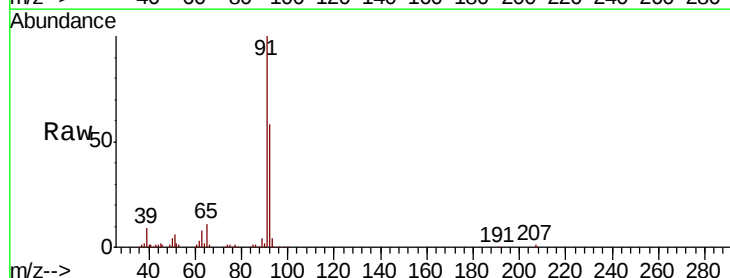
Acq: 29 Nov 2019 13:17

Tgt Ion: 92 Resp: 191074

Ion Ratio Lower Upper

92 100

91 170.7 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN059426.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059426.D (-2588) (-)

10.15

200000

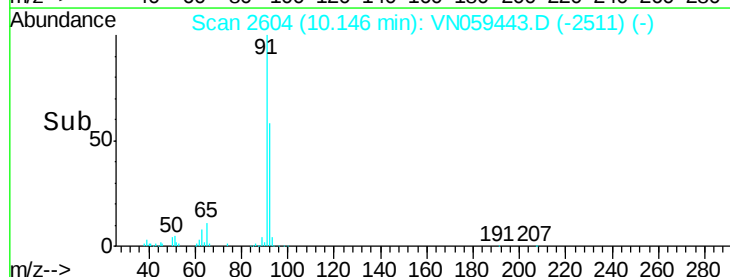
150000

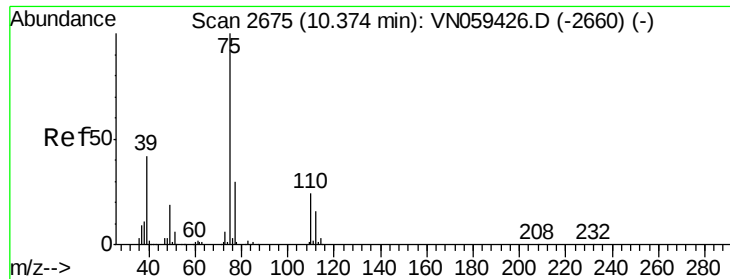
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.066 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

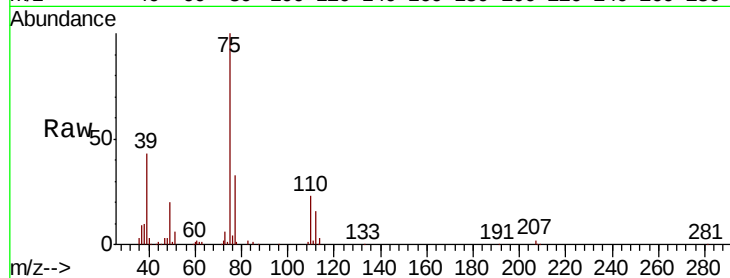
ClientSampleId :

Tot Ion: 75 Resp: 117042

Ion Ratio Lower Upper

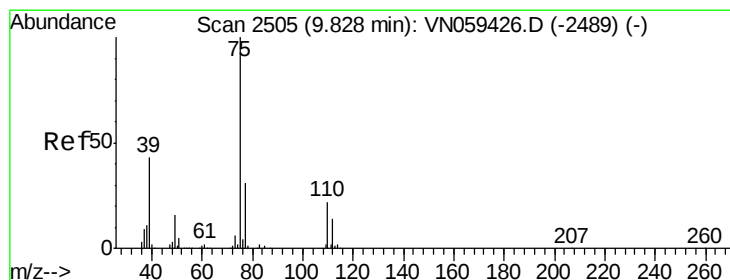
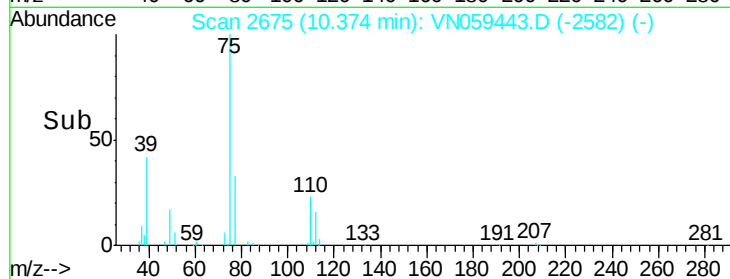
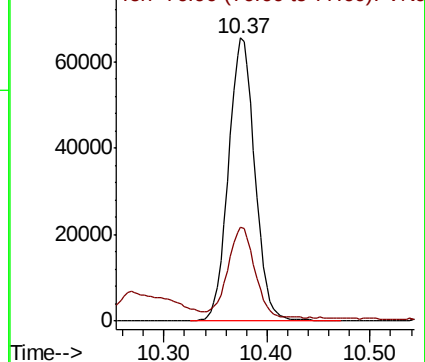
75 100

77 32.2 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.174 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

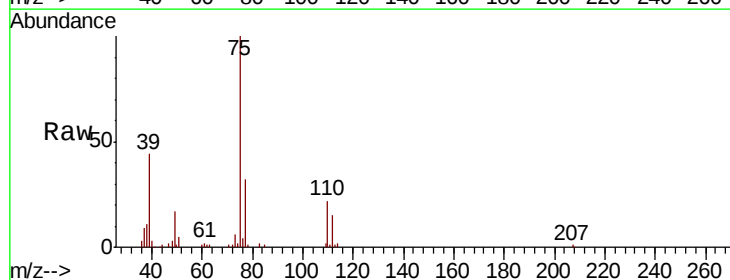
Tgt Ion: 75 Resp: 127026

Ion Ratio Lower Upper

75 100

77 32.3 25.1 37.7

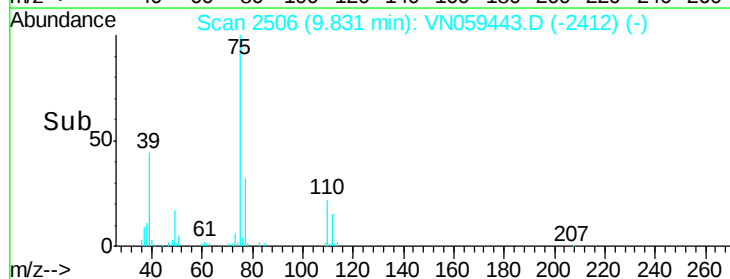
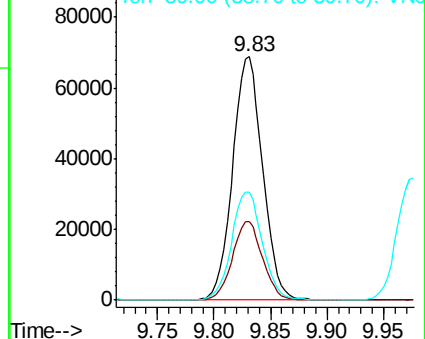
39 44.1 34.0 51.0

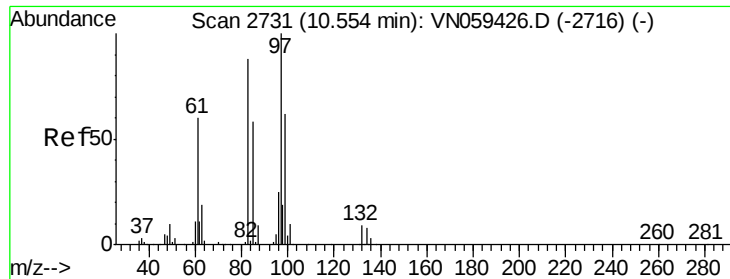


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.153 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 73271

Ion	Ratio	Lower	Upper
97	100		
83	92.0	70.7	106.1
85	58.1	46.4	69.6
99	64.4	49.6	74.4

Abundance

Ion 96.90 (96.60 to 97.60): VN0

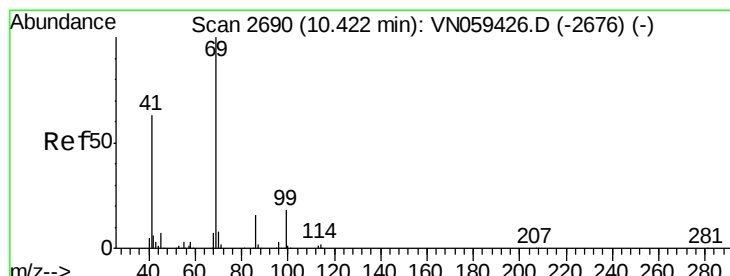
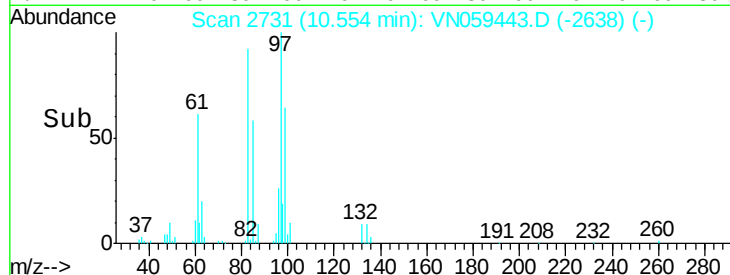
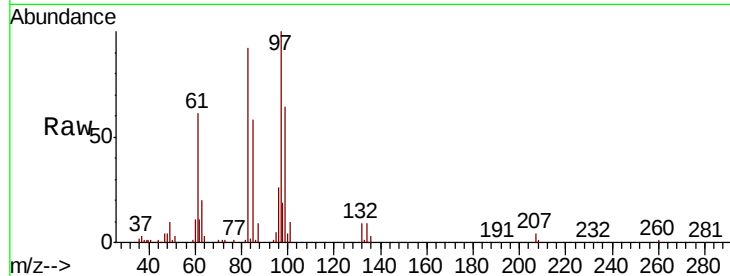
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.55

Time-->



#56

Ethyl methacrylate

Concen: 21.233 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Tgt Ion: 69 Resp: 105060

Ion	Ratio	Lower	Upper
69	100		
41	64.8	50.1	75.1
39	31.8	23.9	35.9

Abundance

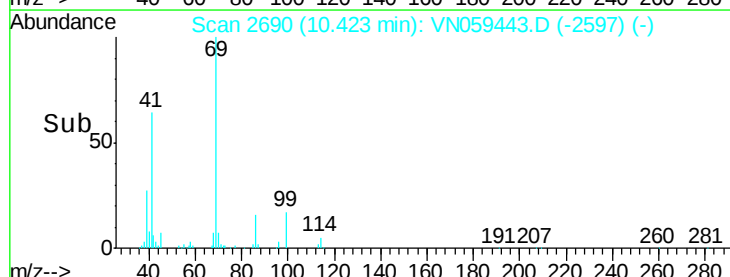
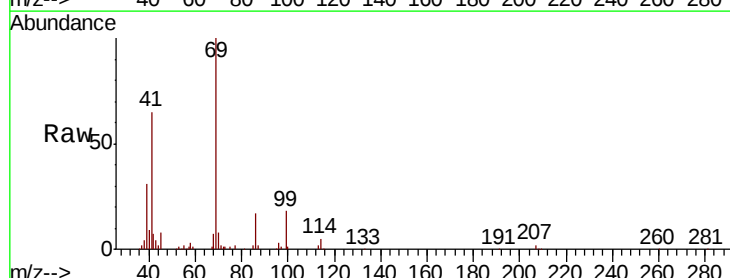
Ion 69.00 (68.70 to 69.70): VN0

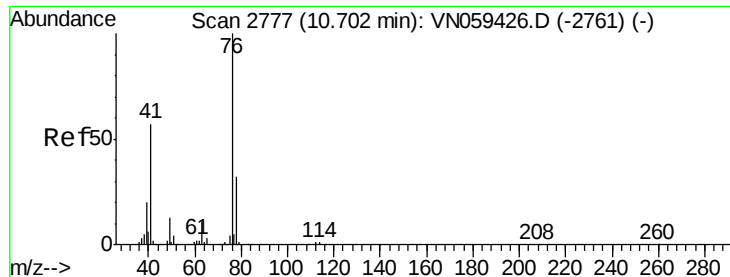
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.42

Time-->





#57

1,3-Dichloropropane

Concen: 20.388 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

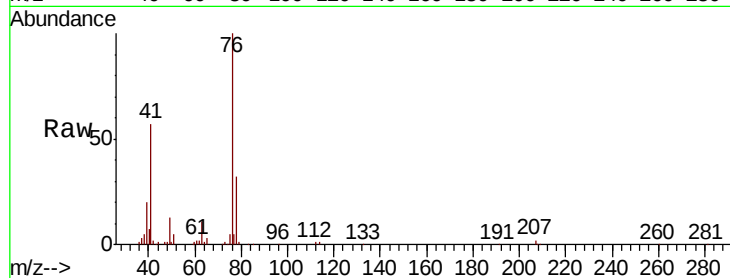
ClientSampleId :

Tot Ion: 76 Resp: 128115

Ion Ratio Lower Upper

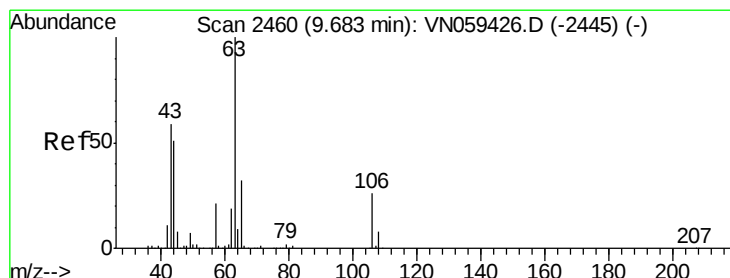
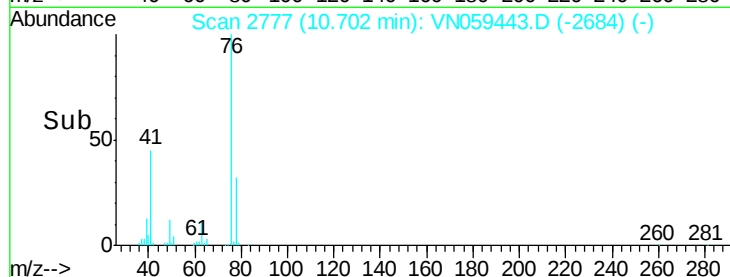
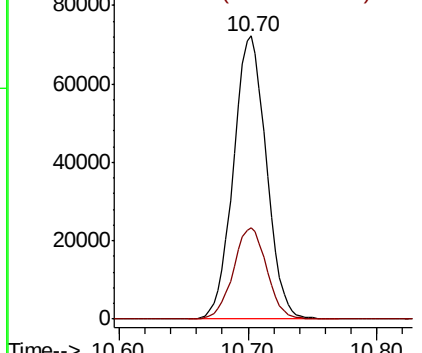
76 100

78 32.6 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 116.233 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059443.D

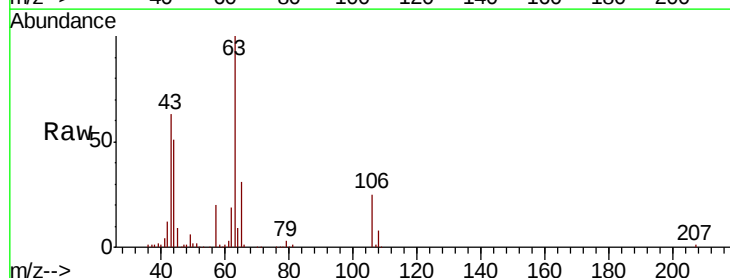
Acq: 29 Nov 2019 13:17

Tgt Ion: 63 Resp: 181069

Ion Ratio Lower Upper

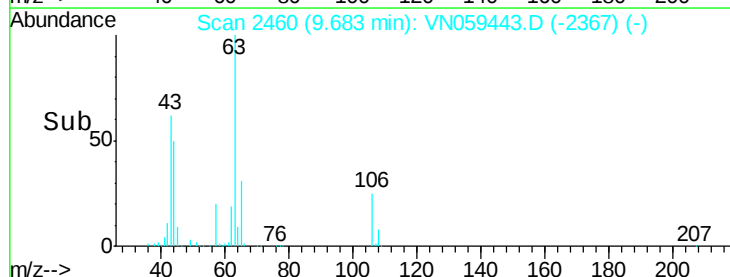
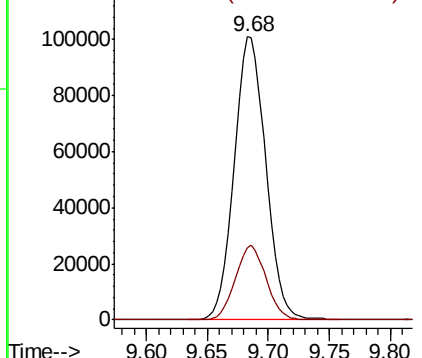
63 100

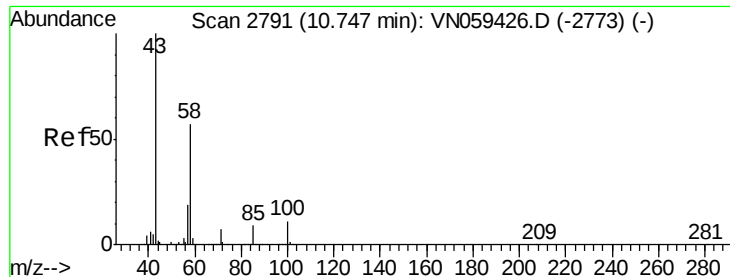
106 25.6 20.9 31.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

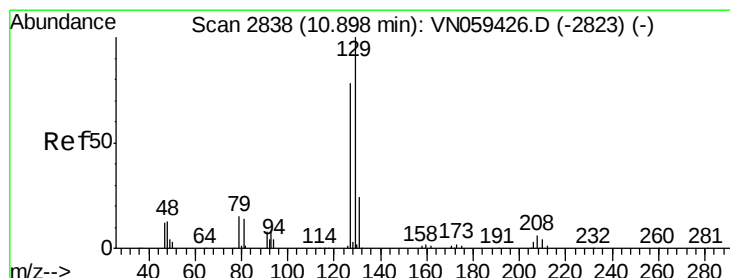
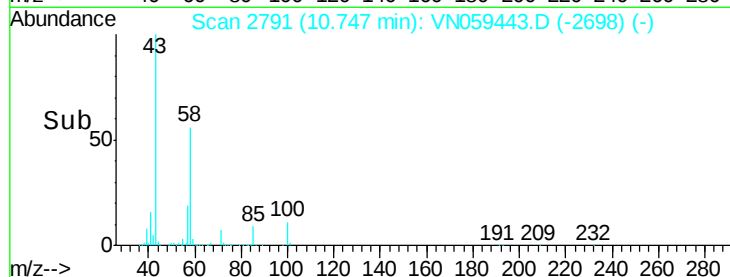
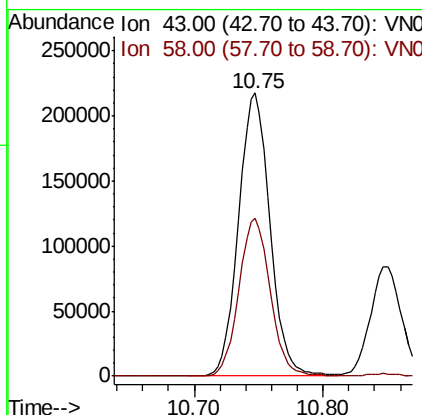
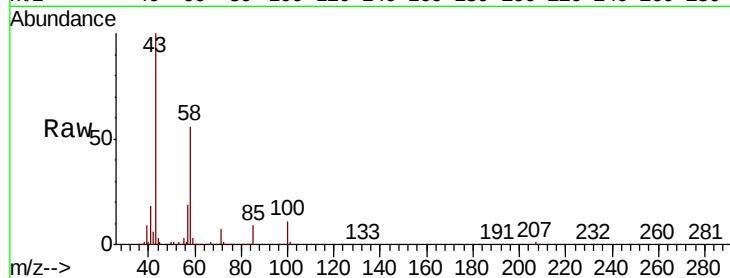




#59
2-Hexanone
Concen: 101.980 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

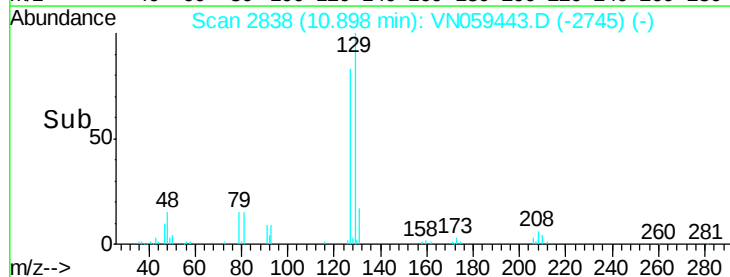
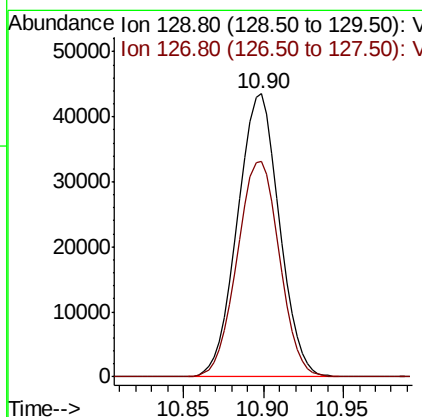
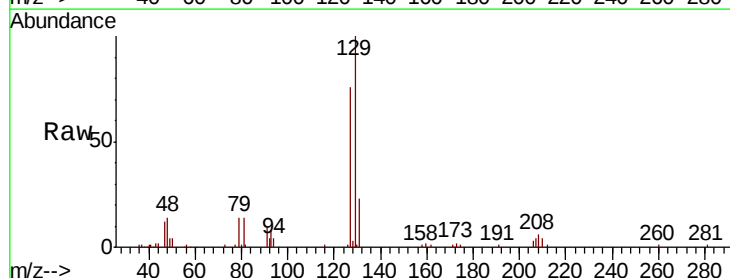
Instrument :
MSVOA_N
ClientSampleId :

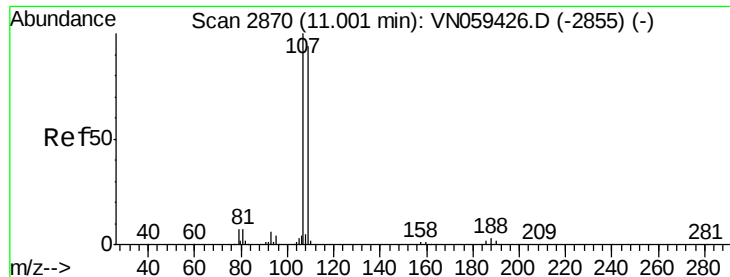
Tot Ion: 43 Resp: 369179
Ion Ratio Lower Upper
43 100
58 55.5 28.3 85.0



#60
Dibromochloromethane
Concen: 20.484 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion: 129 Resp: 77740
Ion Ratio Lower Upper
129 100
127 77.0 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.094 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

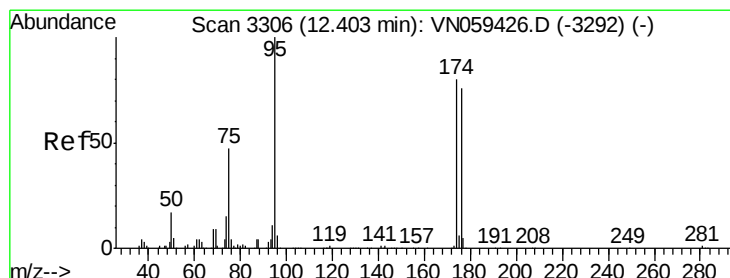
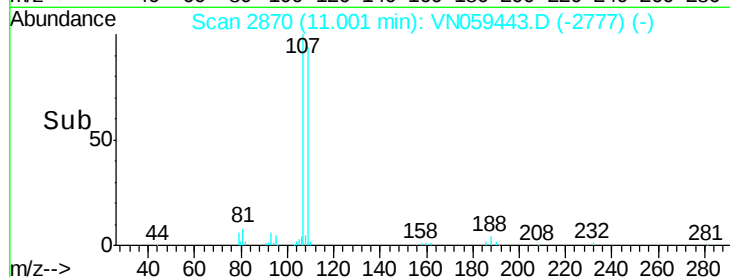
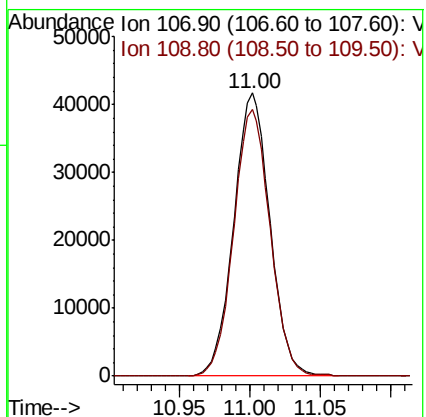
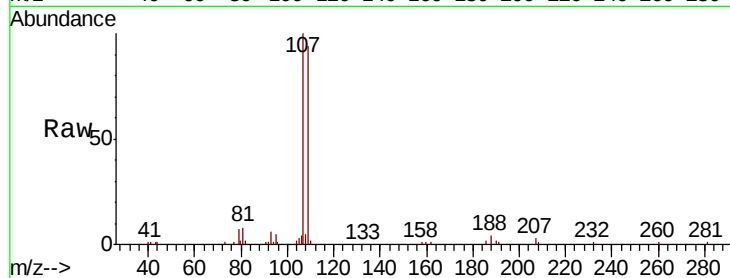
ClientSampleId :

Tot Ion:107 Resp: 74865

Ion Ratio Lower Upper

107 100

109 94.9 75.8 113.8



#62

4-Bromofluorobenzene

Concen: 46.225 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

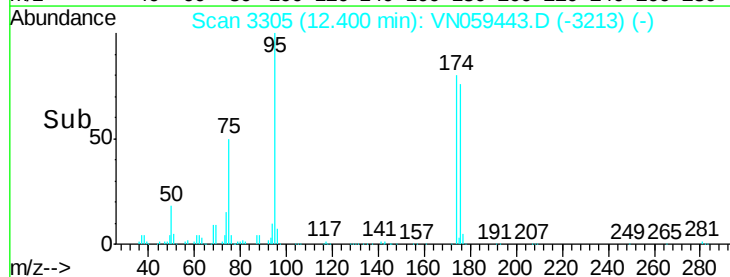
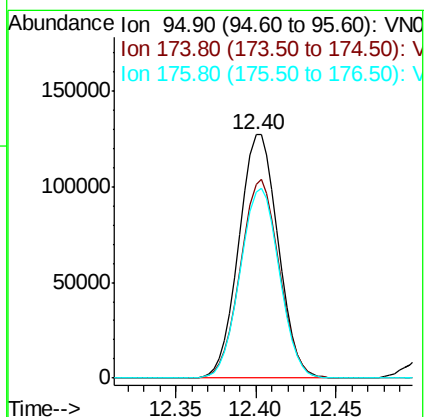
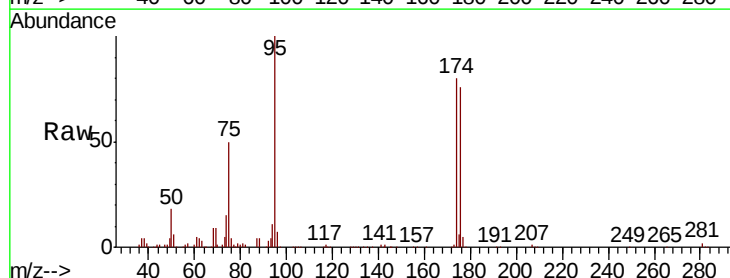
Tgt Ion: 95 Resp: 212712

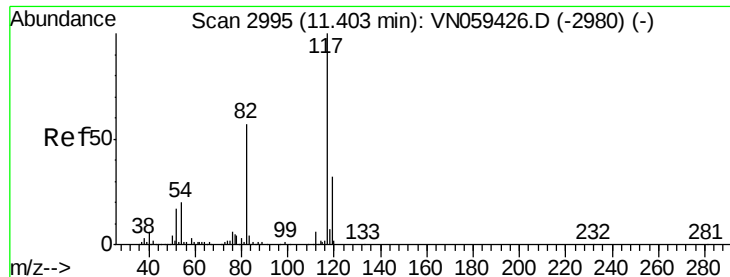
Ion Ratio Lower Upper

95 100

174 80.8 0.0 158.0

176 78.1 0.0 153.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

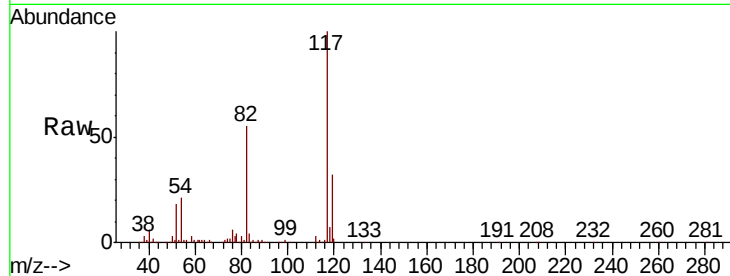
Tot Ion:117 Resp: 486316

Ion Ratio Lower Upper

117 100

82 54.8 45.4 68.0

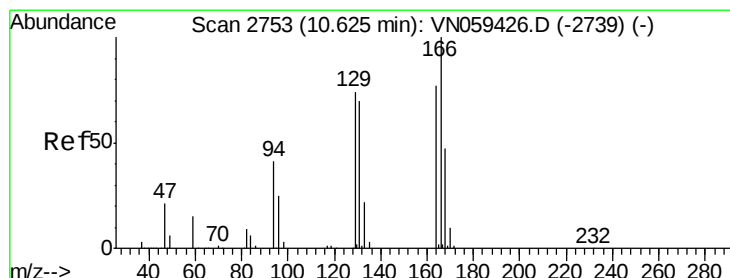
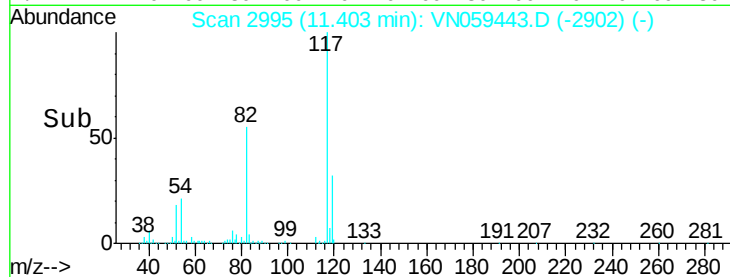
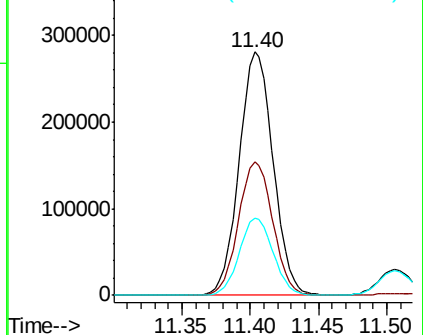
119 31.9 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.257 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Tgt Ion:164 Resp: 76461

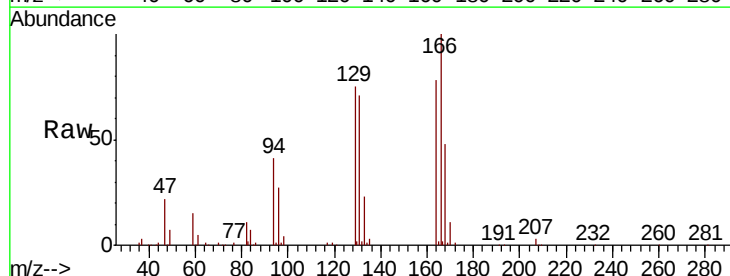
Ion Ratio Lower Upper

164 100

166 127.9 104.2 156.4

129 96.4 76.8 115.2

131 90.5 73.0 109.6

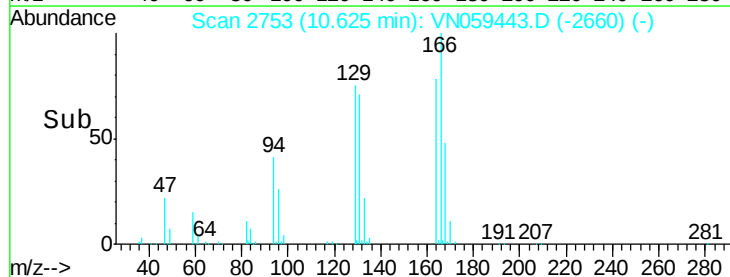
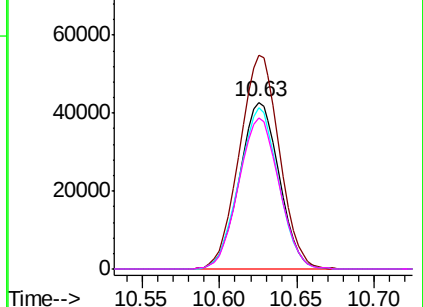


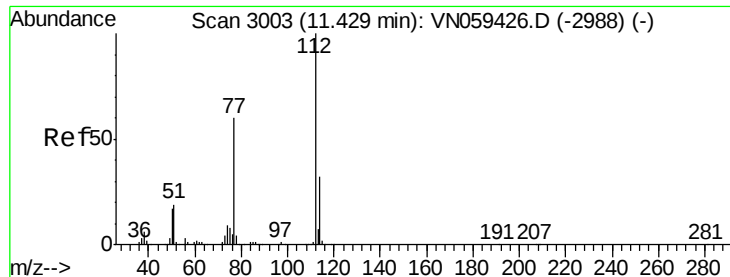
Abundance Ion 163.80 (163.50 to 164.50): V

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: 19.961 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

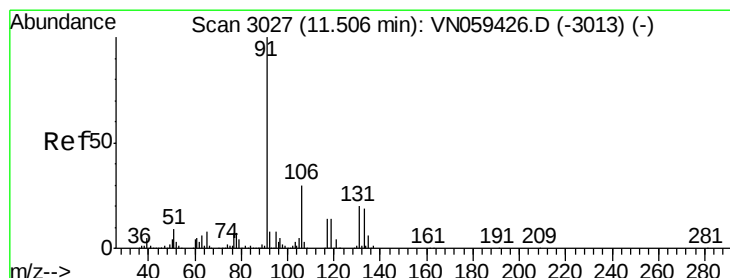
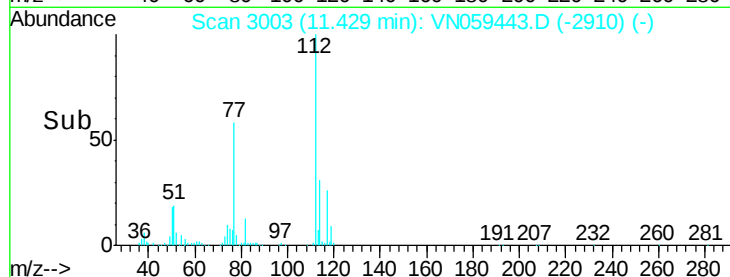
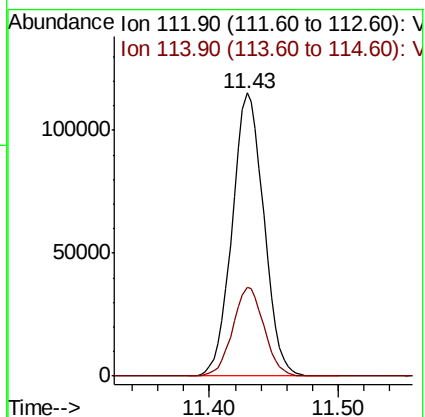
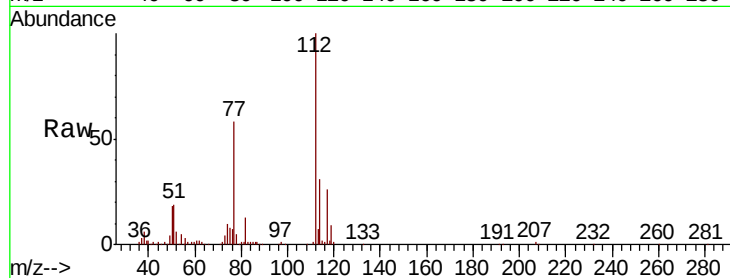
ClientSampled :

Tot Ion:112 Resp: 196525

Ion Ratio Lower Upper

112 100

114 31.2 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 20.512 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

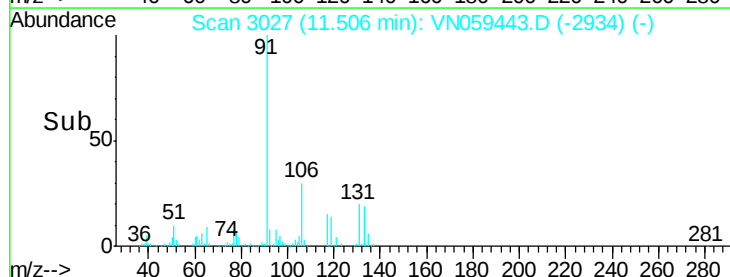
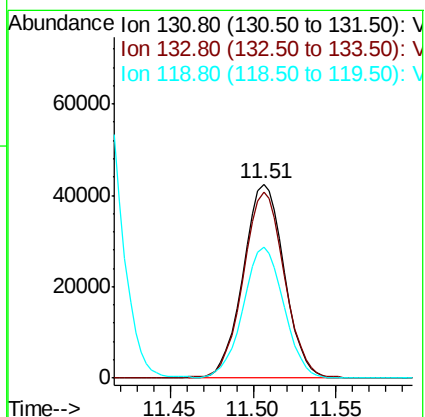
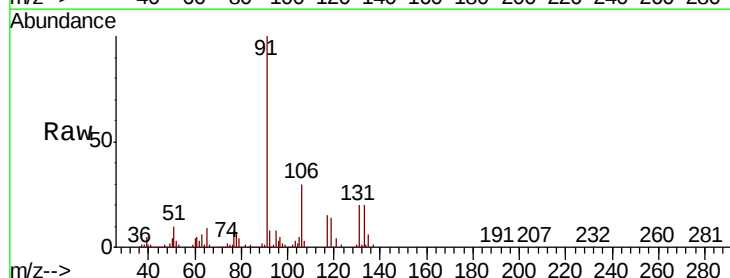
Tgt Ion:131 Resp: 73235

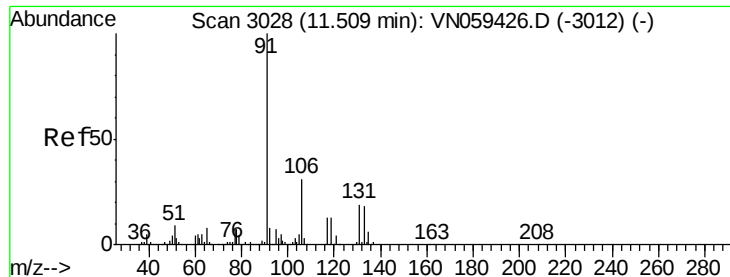
Ion Ratio Lower Upper

131 100

133 97.1 48.2 144.6

119 67.1 33.8 101.3





#67

Ethyl Benzene

Concen: 20.348 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

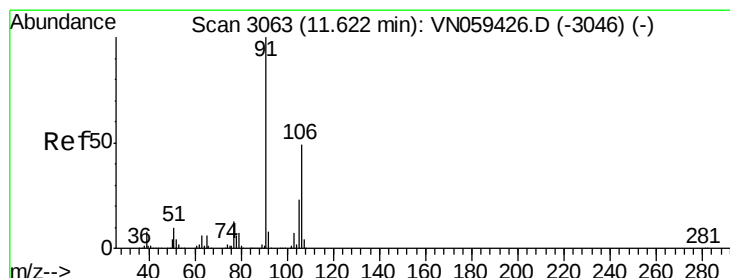
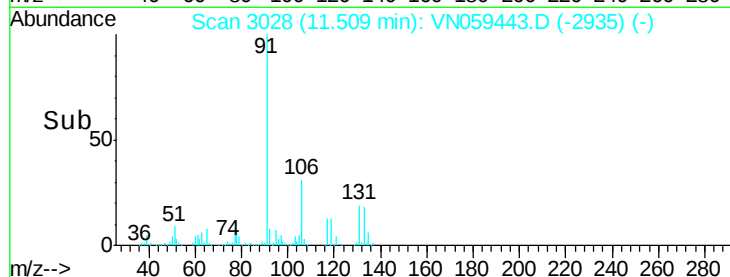
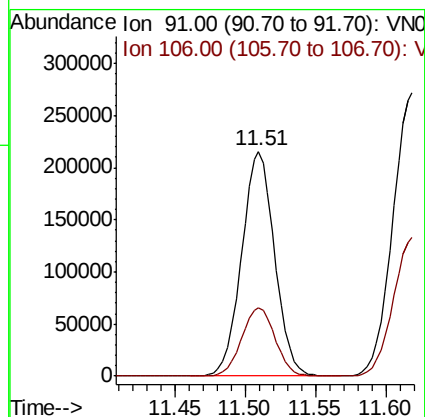
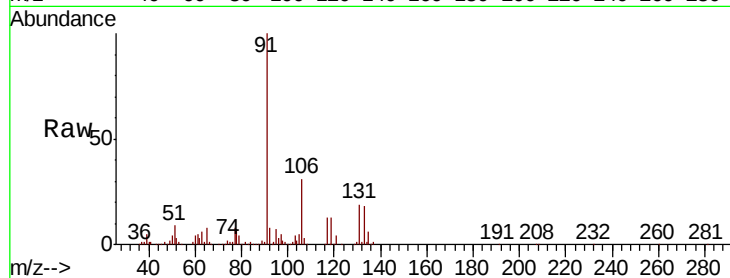
ClientSampleId :

Tot Ion: 91 Resp: 351870

Ion Ratio Lower Upper

91 100

106 30.6 24.7 37.1



#68

m/p-Xylenes

Concen: 40.035 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059443.D

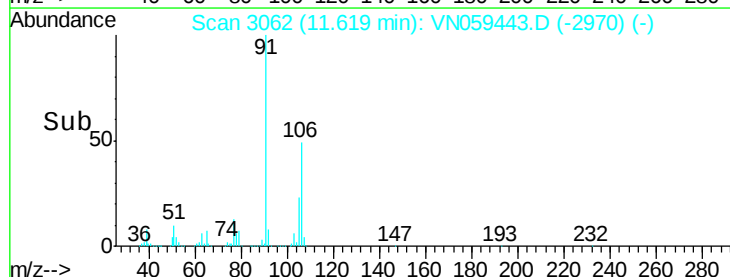
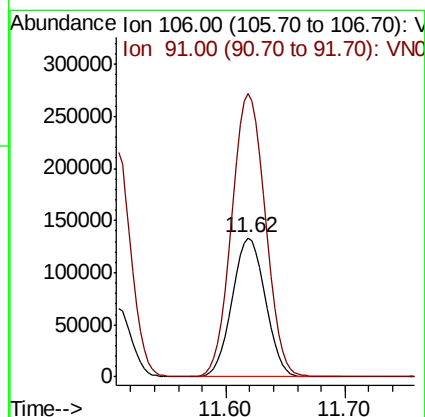
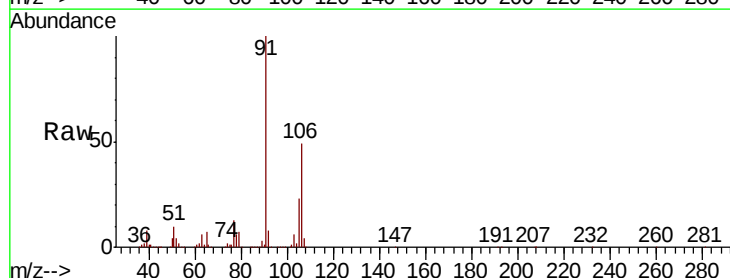
Acq: 29 Nov 2019 13:17

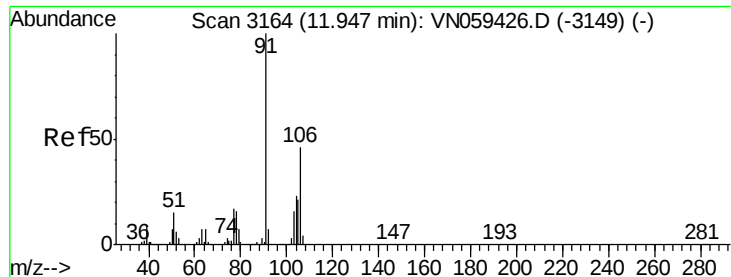
Tgt Ion: 106 Resp: 258487

Ion Ratio Lower Upper

106 100

91 205.7 163.7 245.5

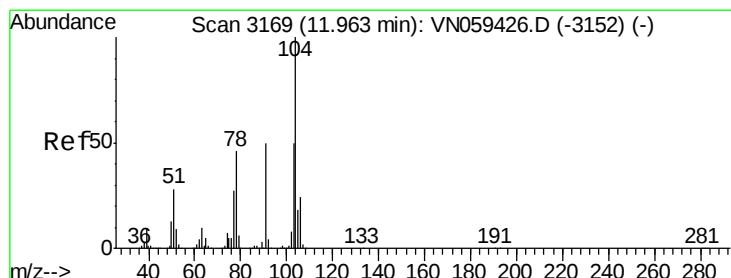
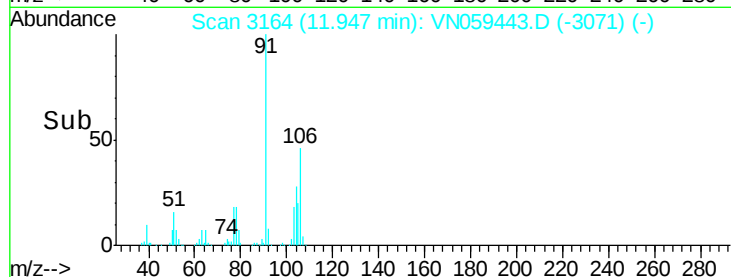
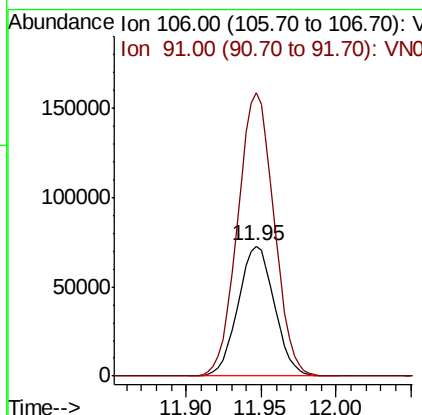
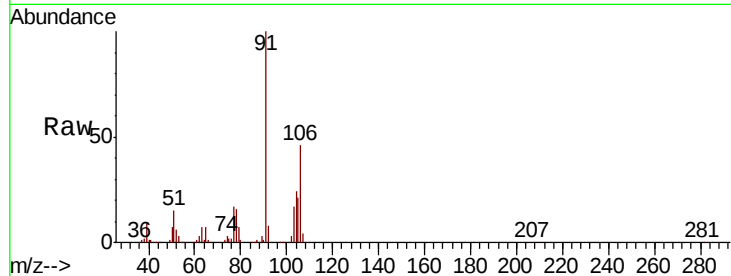




#69
o-Xylene
Concen: 19.907 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

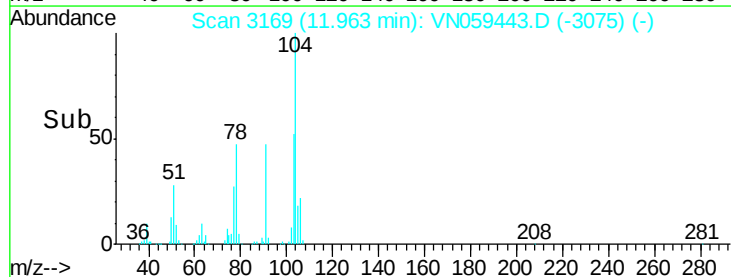
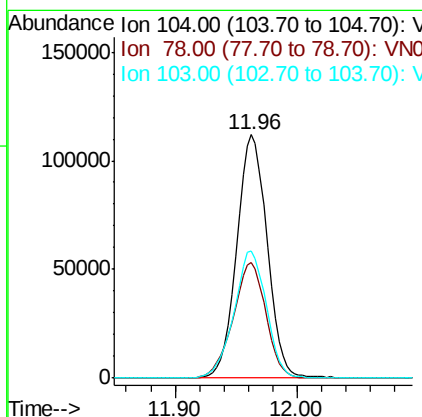
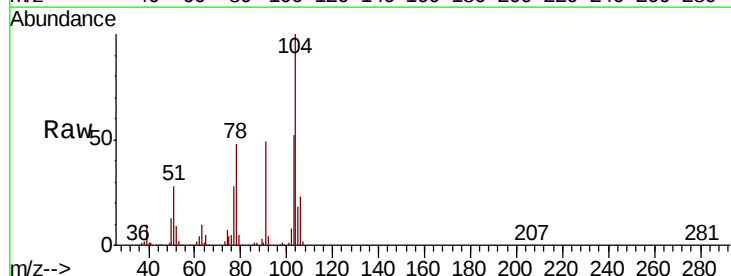
Instrument :
MSVOA_N
ClientSampleId :

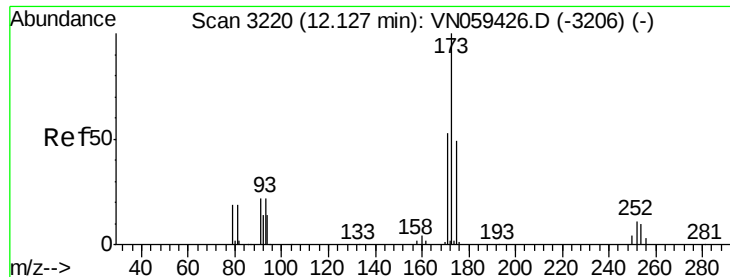
Tot Ion:106 Resp: 123266
Ion Ratio Lower Upper
106 100
91 217.7 107.5 322.4



#70
Styrene
Concen: 21.025 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion:104 Resp: 192860
Ion Ratio Lower Upper
104 100
78 51.3 40.4 60.6
103 55.7 43.8 65.6





#71

Bromoform

Concen: 19.833 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

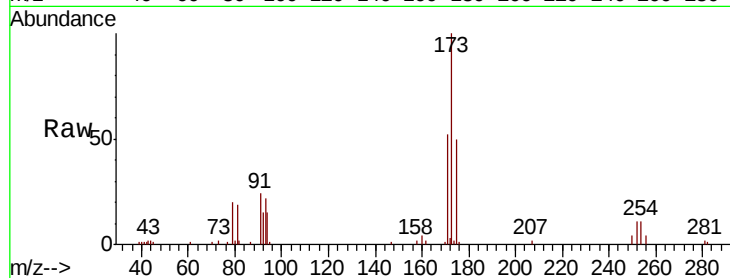
Tot Ion:173 Resp: 53916

Ion Ratio Lower Upper

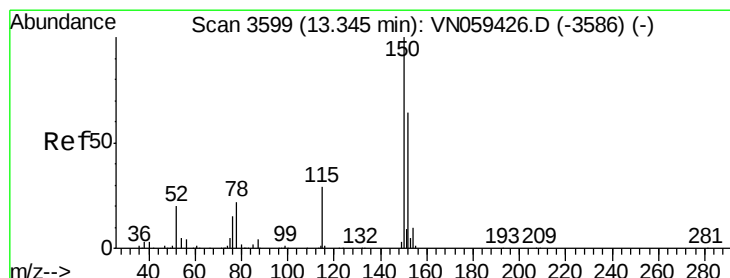
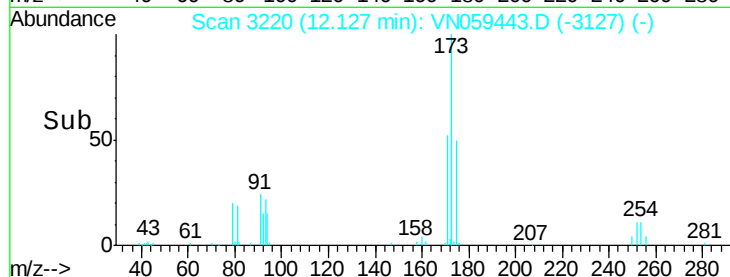
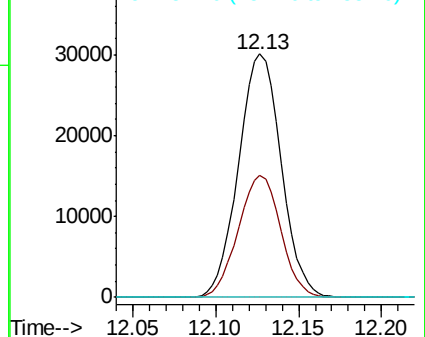
173 100

175 49.8 24.1 72.3

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

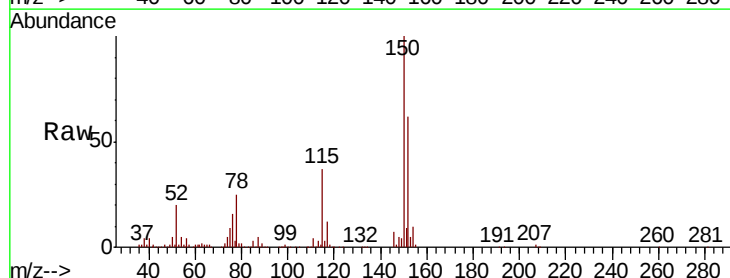
Tgt Ion:152 Resp: 220162

Ion Ratio Lower Upper

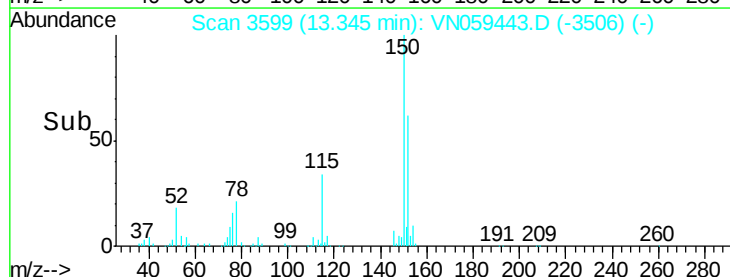
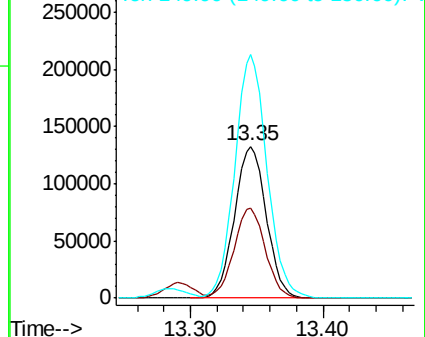
152 100

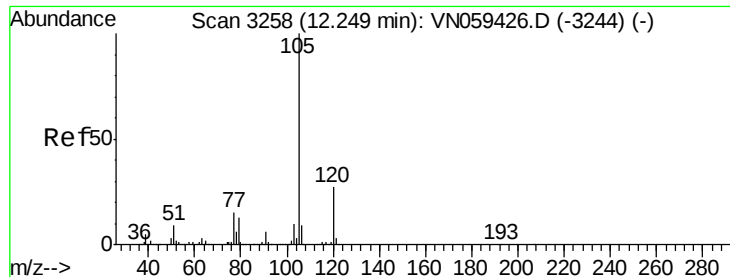
115 58.0 29.5 88.6

150 162.6 0.0 347.2



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





#73

Isopropylbenzene

Concen: 20.253 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

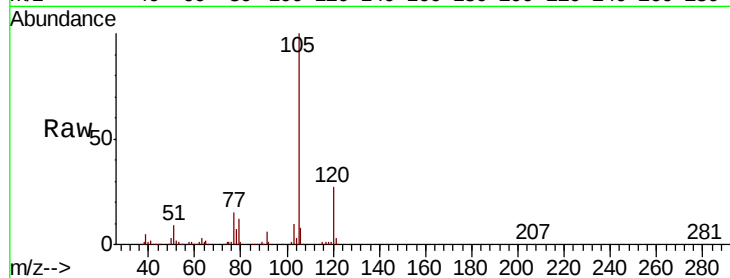
ClientSampleId :

Tot Ion: 105 Resp: 330324

Ion Ratio Lower Upper

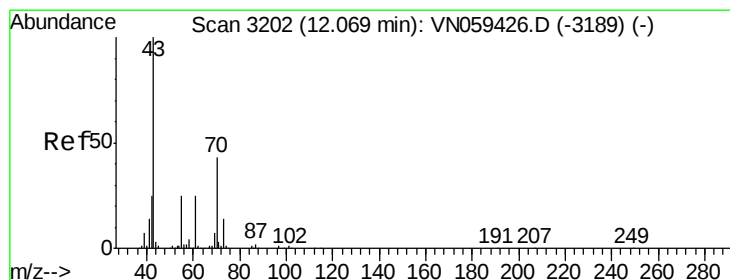
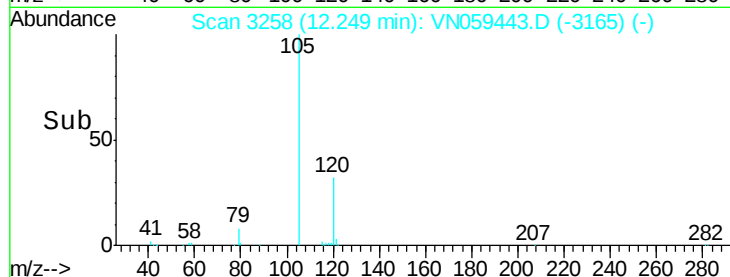
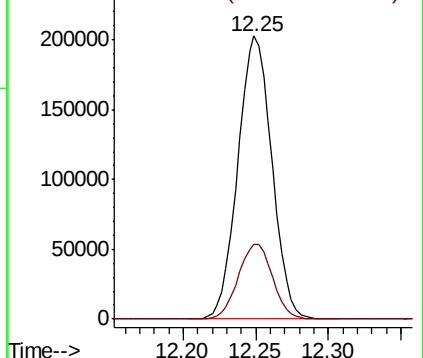
105 100

120 26.7 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.214 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Tgt Ion: 43 Resp: 119733

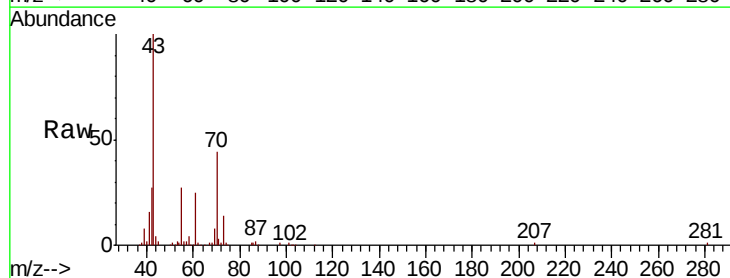
Ion Ratio Lower Upper

43 100

70 43.9 34.6 52.0

55 27.3 20.5 30.7

61 25.2 20.2 30.4

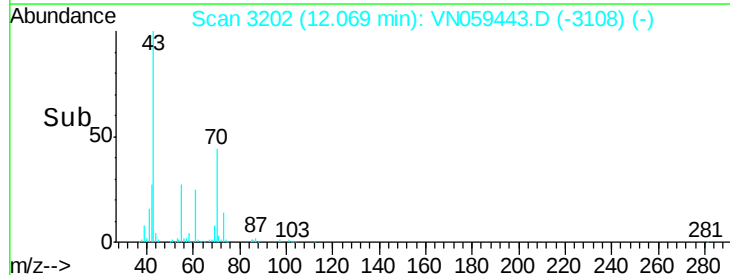
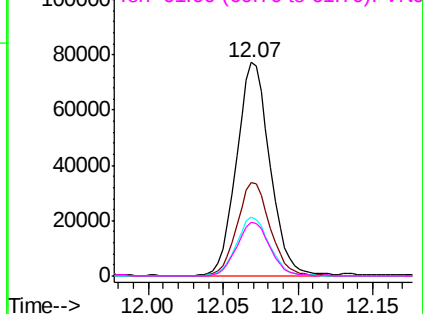


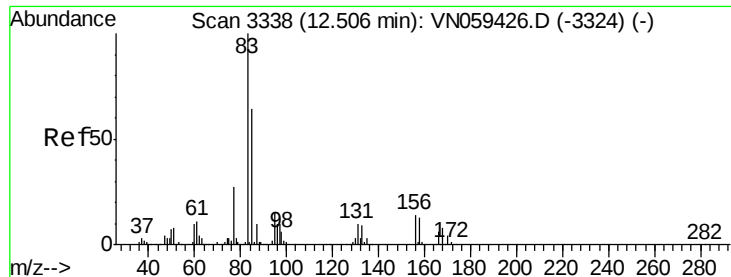
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: 19.492 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

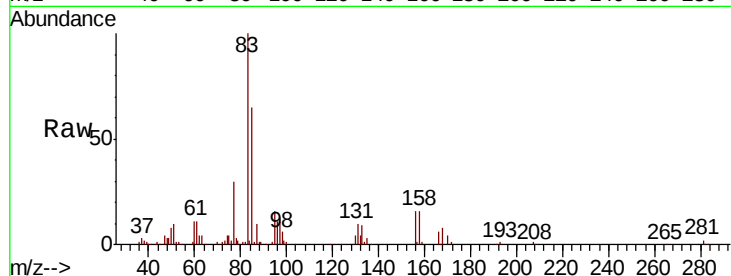
Tot Ion: 83 Resp: 103674

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

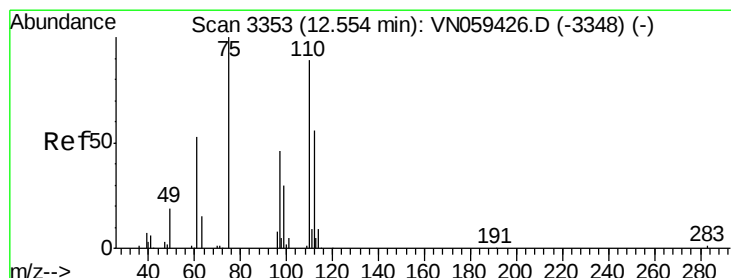
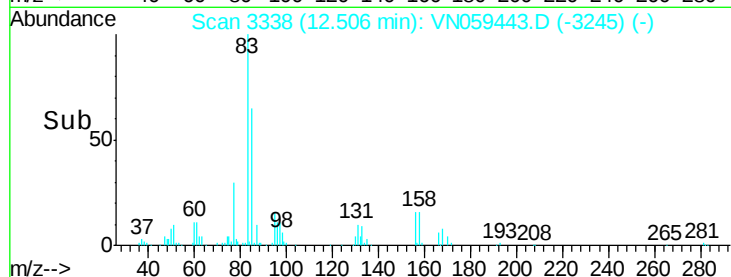
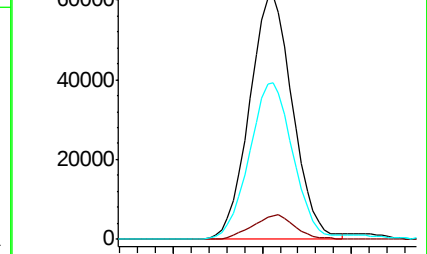
85 64.5 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN059443.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059443.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059443.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 28.231 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059443.D

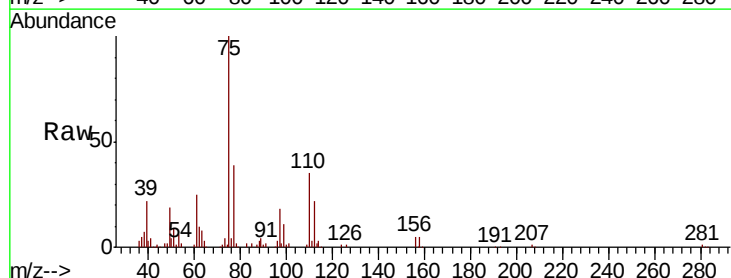
Acq: 29 Nov 2019 13:17

Tgt Ion: 75 Resp: 140609

Ion Ratio Lower Upper

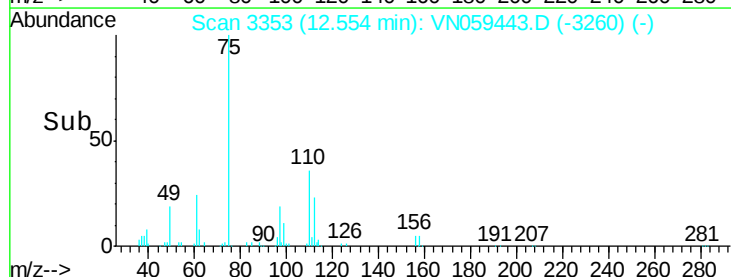
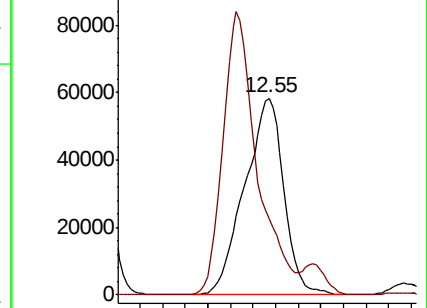
75 100

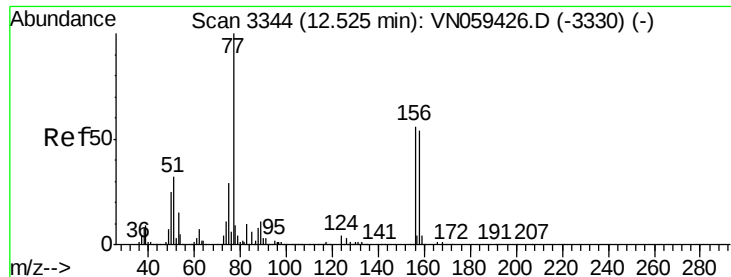
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059443.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN059443.D (-3260) (-)





#77

Bromobenzene

Concen: 20.289 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

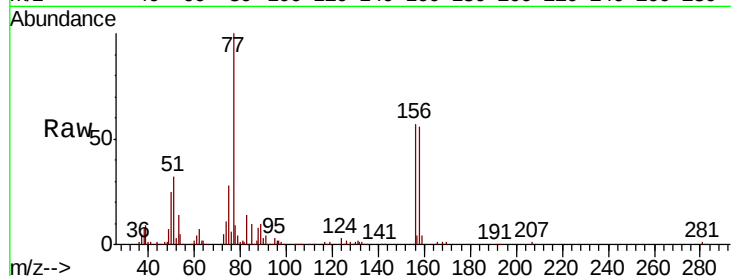
Tot Ion:156 Resp: 81018

Ion Ratio Lower Upper

156 100

77 217.8 108.7 326.3

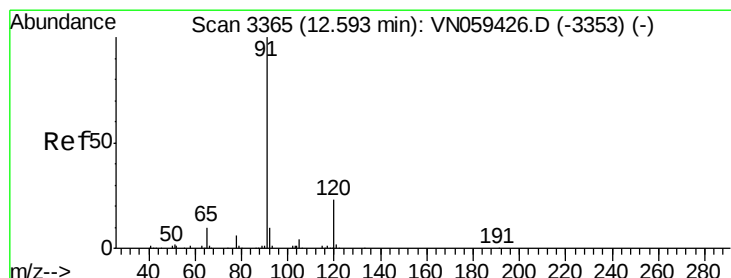
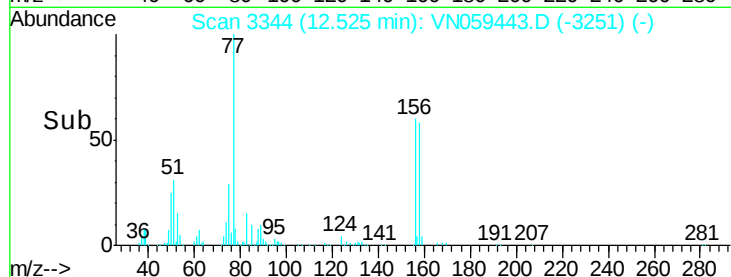
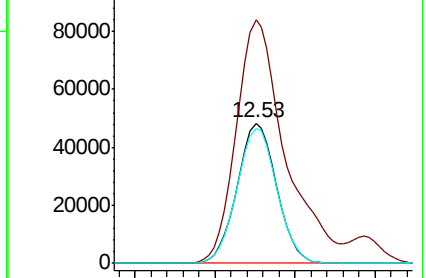
158 98.0 48.3 144.9



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: 20.372 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059443.D

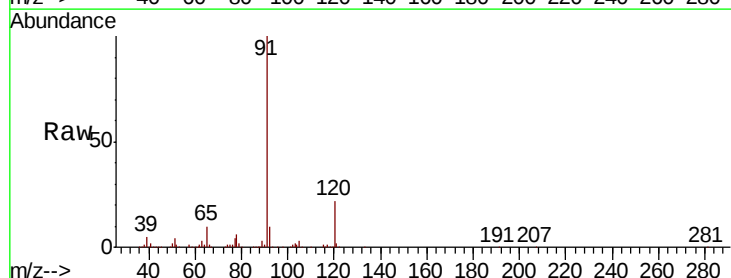
Acq: 29 Nov 2019 13:17

Tgt Ion: 91 Resp: 382890

Ion Ratio Lower Upper

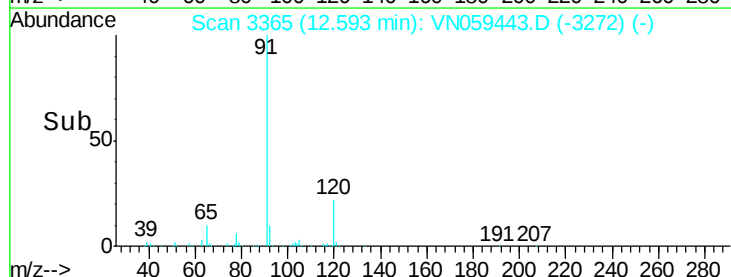
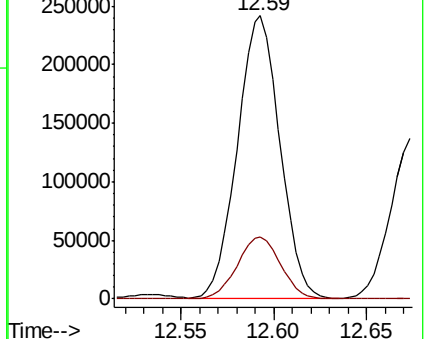
91 100

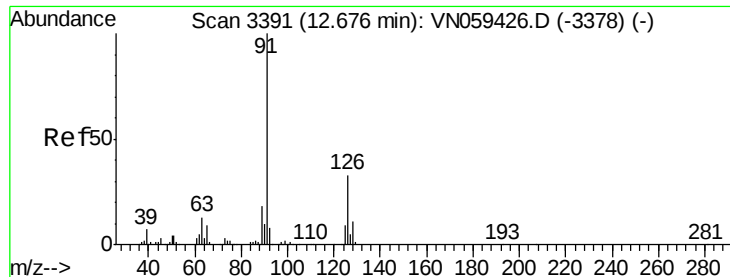
120 22.6 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.253 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

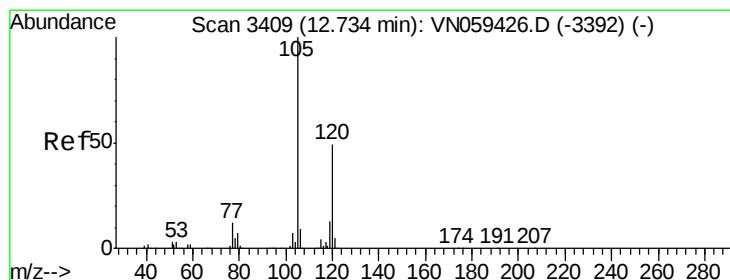
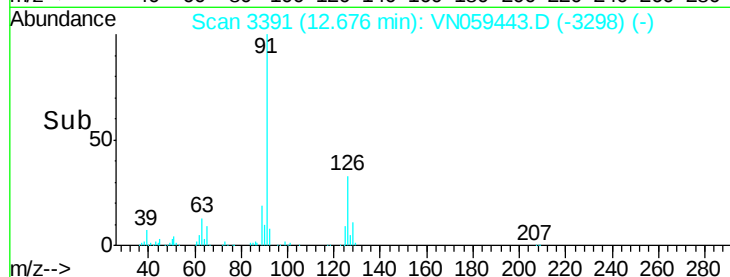
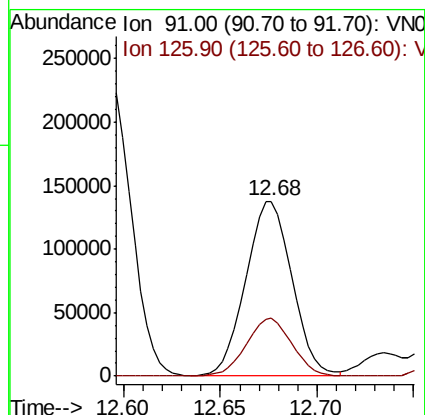
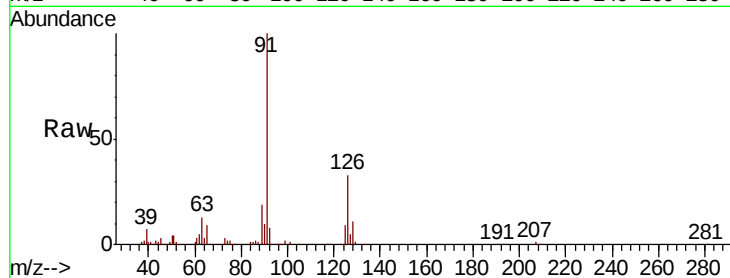
ClientSampleId :

Tot Ion: 91 Resp: 227577

Ion Ratio Lower Upper

91 100

126 32.9 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 20.315 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059443.D

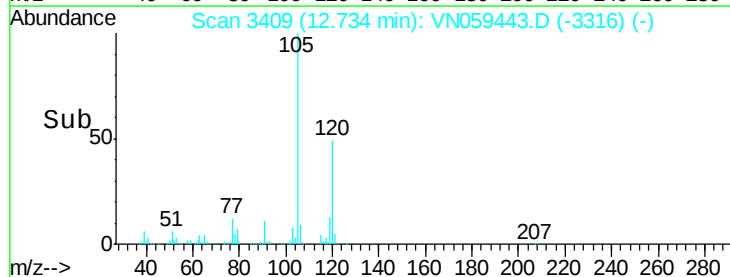
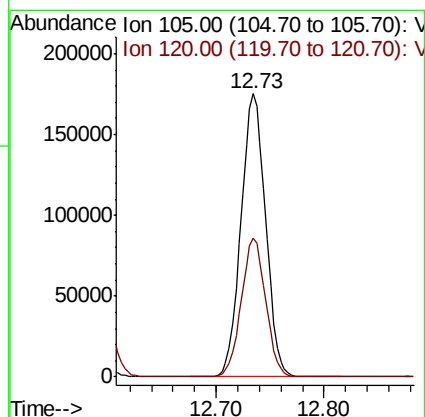
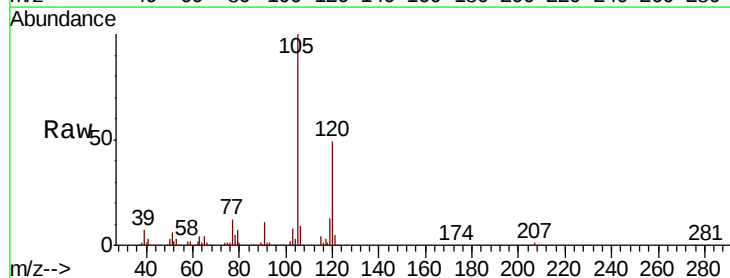
Acq: 29 Nov 2019 13:17

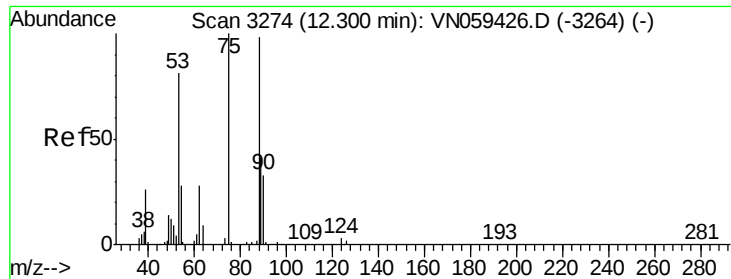
Tgt Ion: 105 Resp: 278519

Ion Ratio Lower Upper

105 100

120 48.7 24.6 73.8

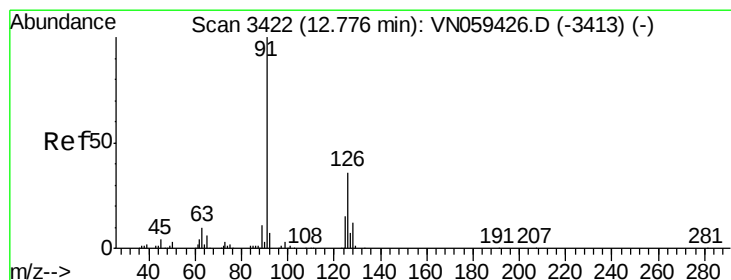
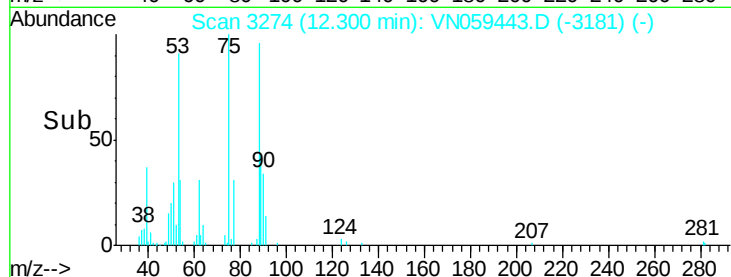
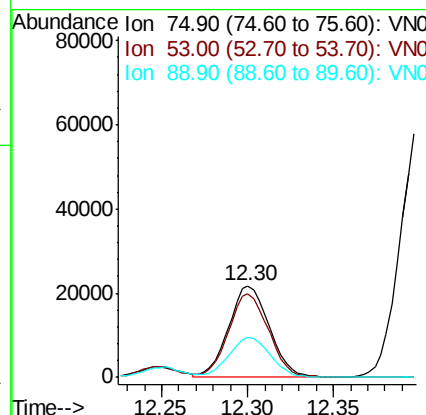
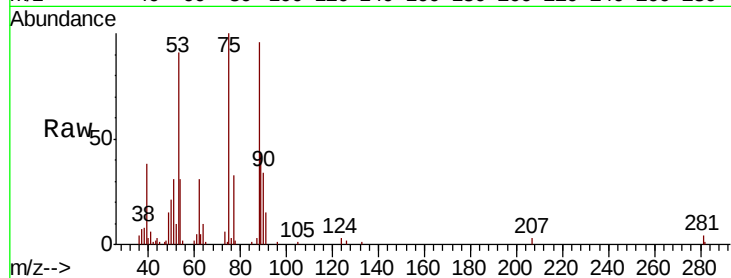




#81
trans-1,4-Dichloro-2-butene
Concen: 18.538 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

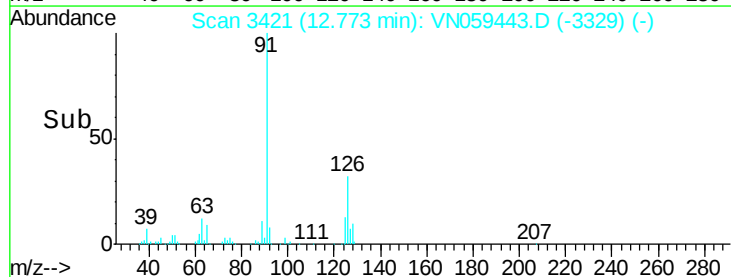
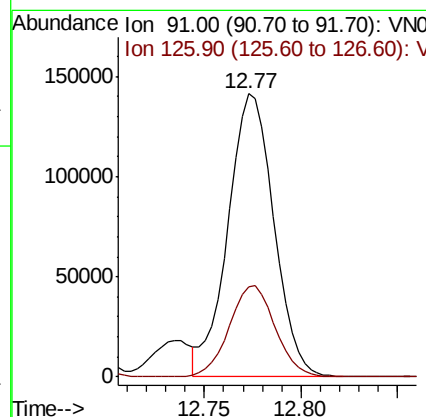
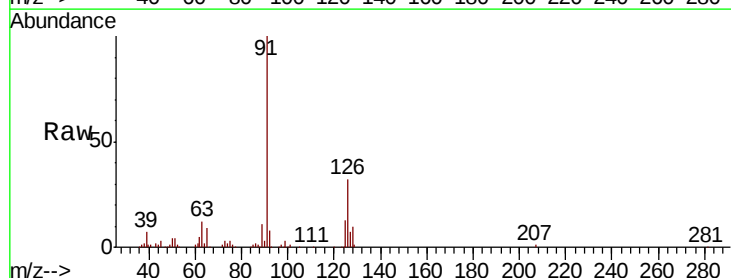
Instrument :
MSVOA_N
ClientSampleId :

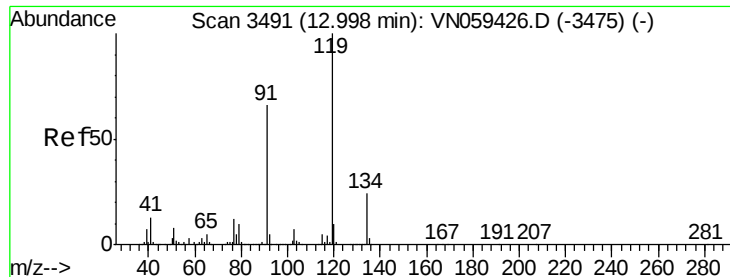
Tot Ion: 75 Resp: 35935
Ion Ratio Lower Upper
75 100
53 90.8 66.2 99.4
89 44.4 33.9 50.9



#82
4-Chlorotoluene
Concen: 20.030 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059443.D
Acq: 29 Nov 2019 13:17

Tgt Ion: 91 Resp: 231571
Ion Ratio Lower Upper
91 100
126 32.7 16.7 50.0

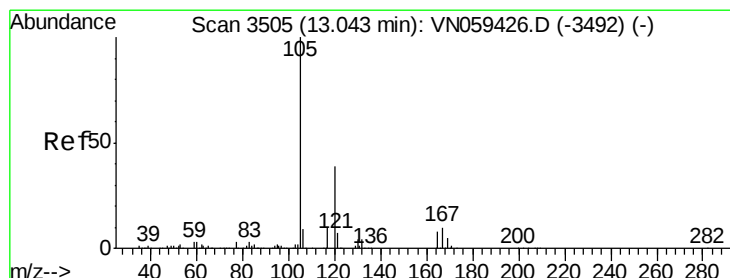
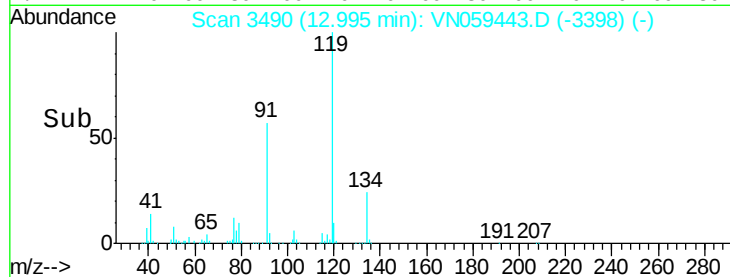
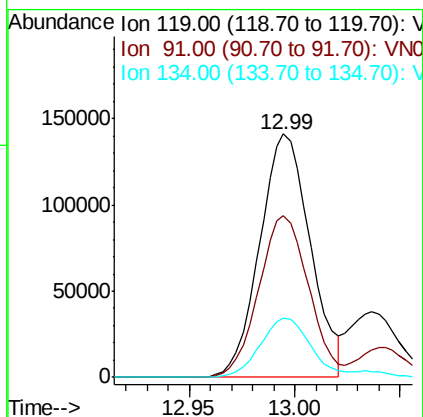
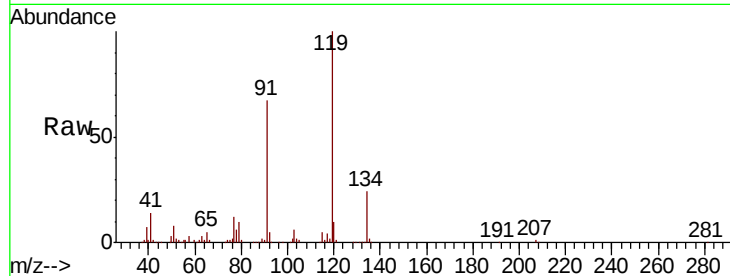




#83
 tert-Butylbenzene
 Concen: 19.994 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

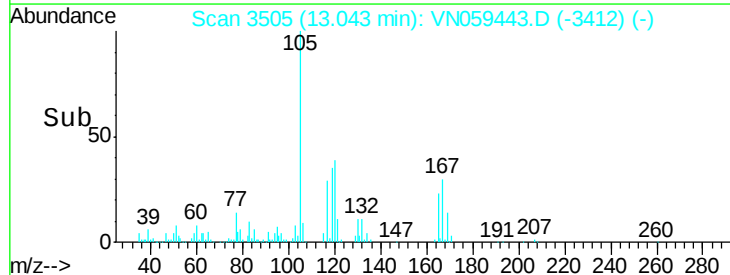
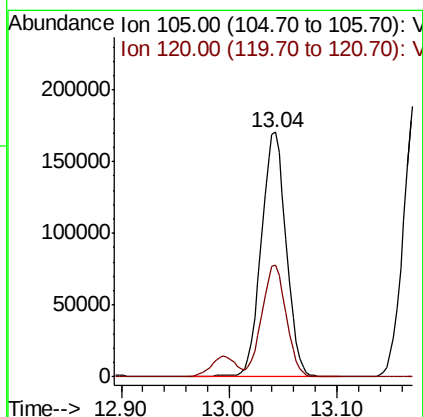
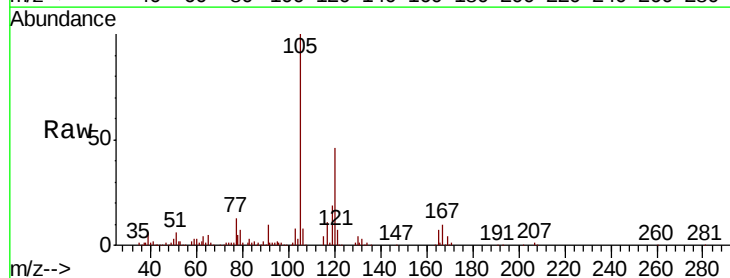
Instrument :
 MSVOA_N
 ClientSampleId :

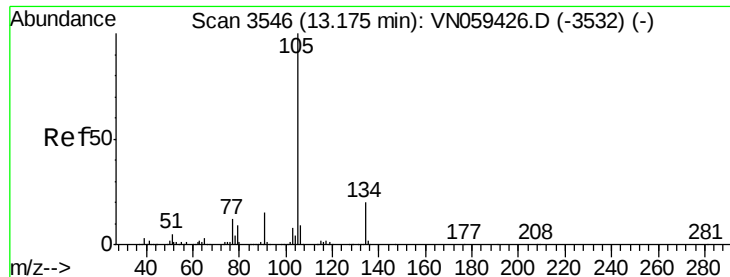
Tot Ion:119 Resp: 235371
 Ion Ratio Lower Upper
 119 100
 91 65.7 32.8 98.4
 134 24.3 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 20.357 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Tgt Ion:105 Resp: 273399
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 20.302 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

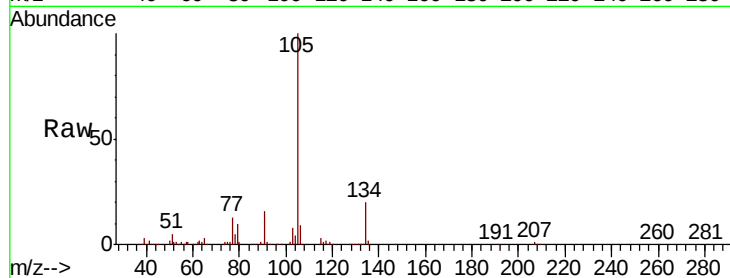
ClientSampled :

Tot Ion:105 Resp: 317390

Ion Ratio Lower Upper

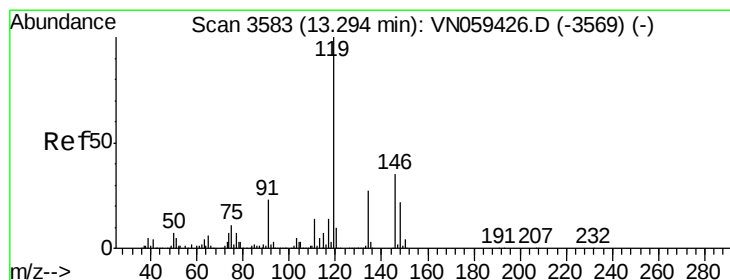
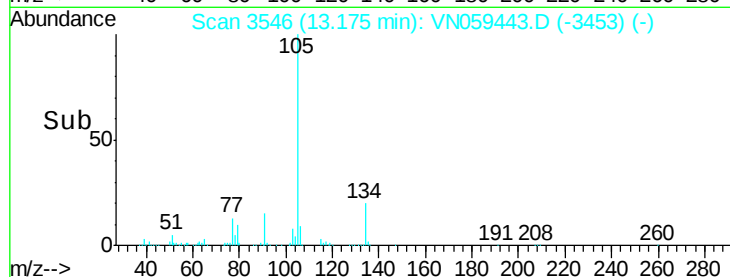
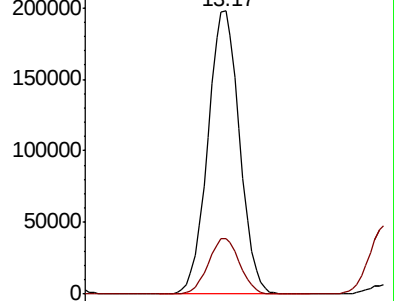
105 100

134 19.6 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: 20.169 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

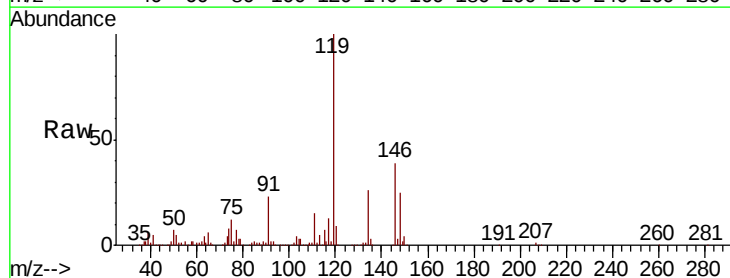
Tgt Ion:119 Resp: 285042

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

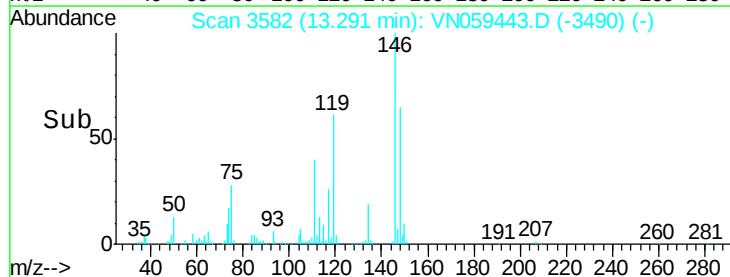
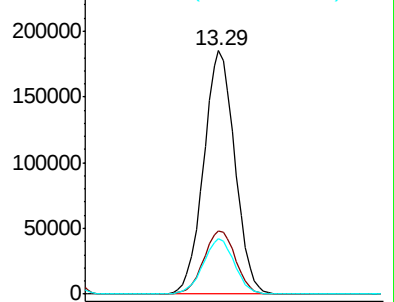
91 23.0 11.5 34.4

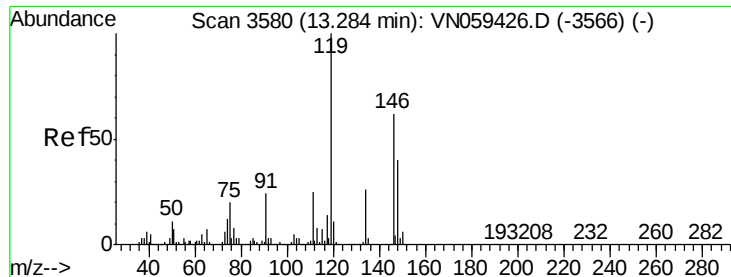


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

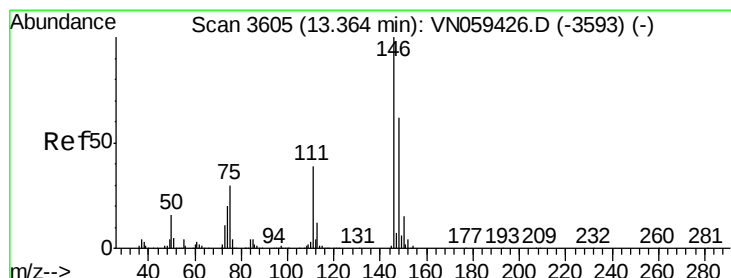
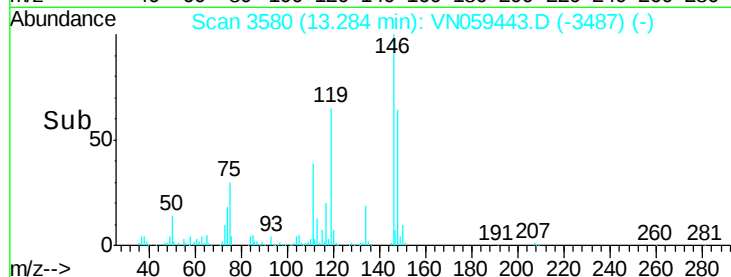
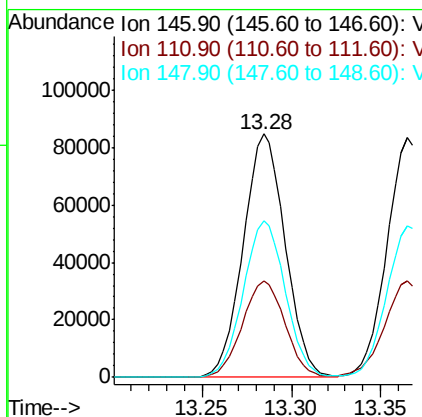
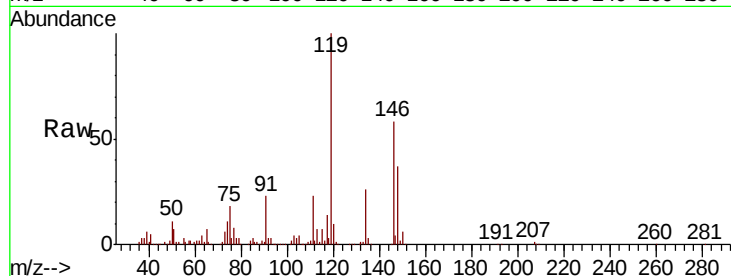




#87
 1,3-Dichlorobenzene
 Concen: 19.728 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

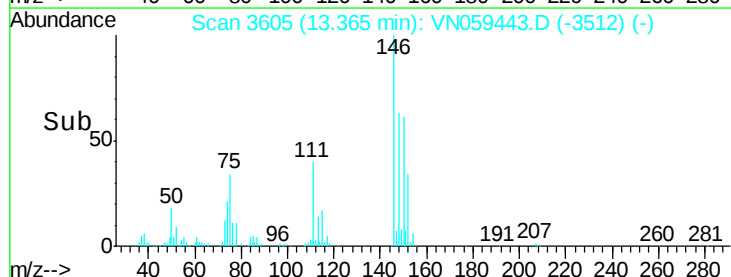
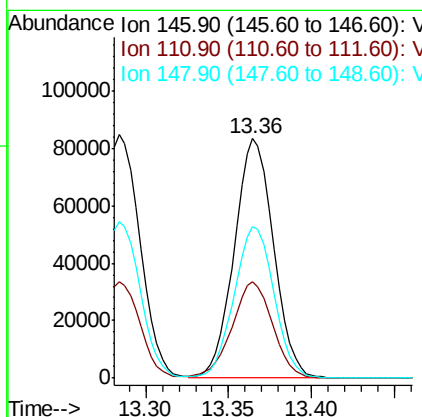
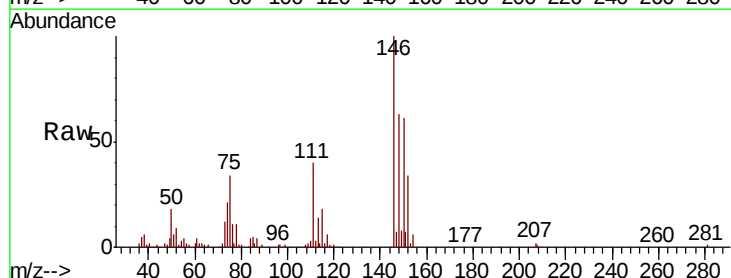
Instrument :
 MSVOA_N
 ClientSampled :

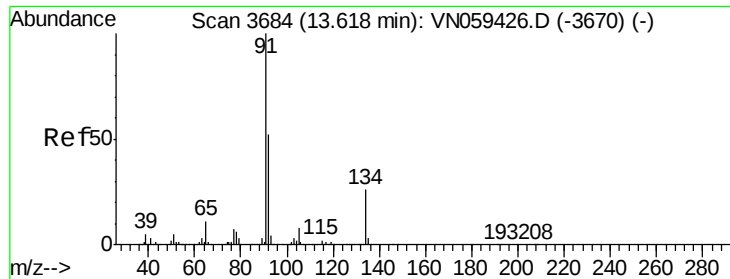
Tot Ion:146 Resp: 139612
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.4 61.2
 148 64.5 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 19.253 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Tgt Ion:146 Resp: 136782
 Ion Ratio Lower Upper
 146 100
 111 41.9 19.9 59.7
 148 64.6 31.6 95.0





#89

n-Butylbenzene

Concen: 19.599 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

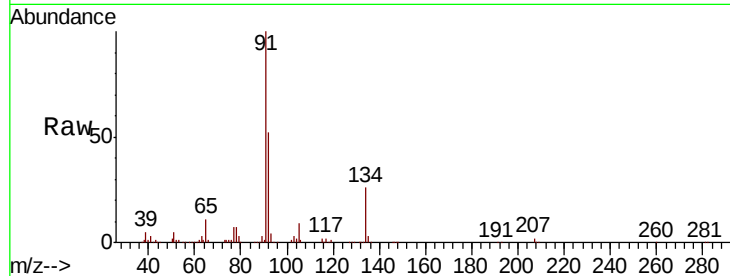
Tot Ion: 91 Resp: 242136

Ion Ratio Lower Upper

91 100

92 52.2 25.9 77.8

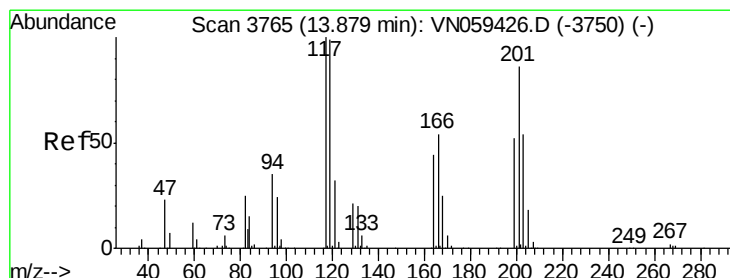
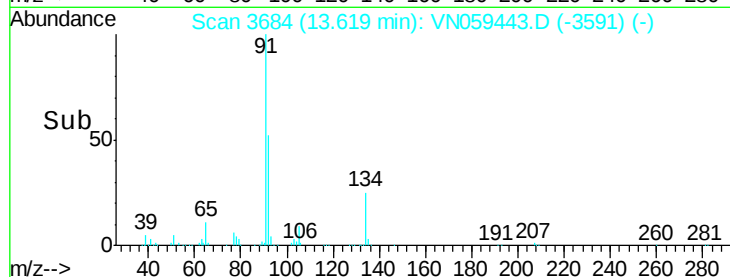
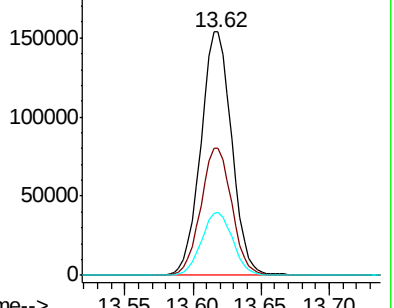
134 26.2 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN059426.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN059426.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN059426.D (-3670) (-)



#90

Hexachloroethane

Concen: 19.588 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059443.D

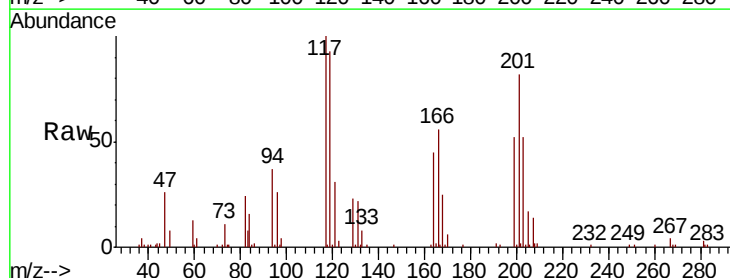
Acq: 29 Nov 2019 13:17

Tgt Ion: 117 Resp: 52913

Ion Ratio Lower Upper

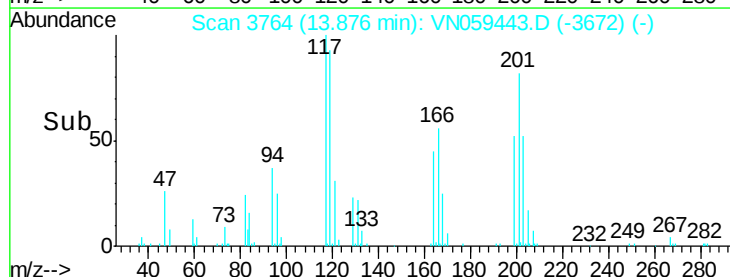
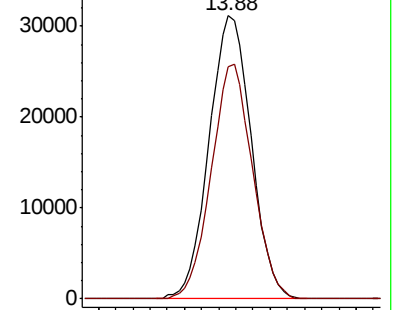
117 100

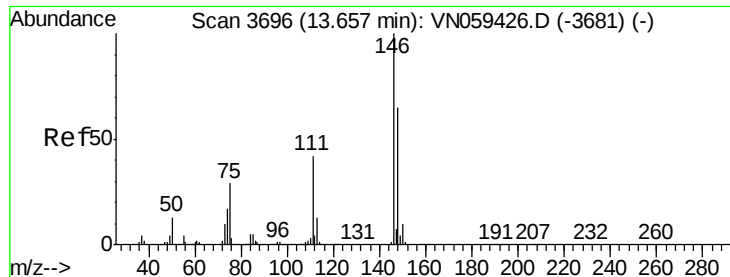
201 80.9 42.1 126.4



Abundance Ion 116.80 (116.50 to 117.50): VN059426.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN059426.D (-3750) (-)





#91

1,2-Dichlorobenzene

Concen: 19.600 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampled :

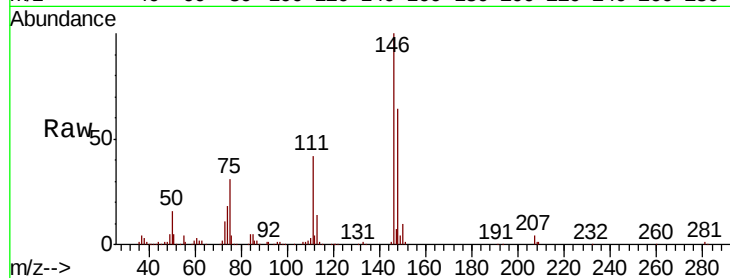
Tot Ion:146 Resp: 135906

Ion Ratio Lower Upper

146 100

111 42.1 21.3 63.7

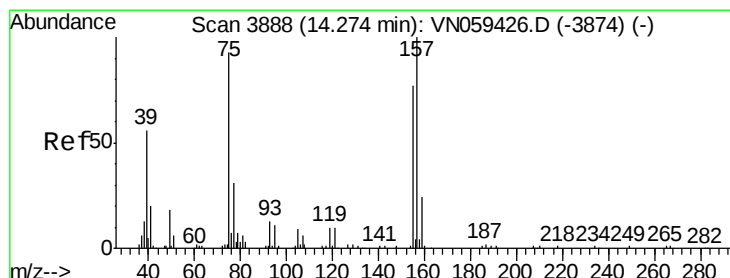
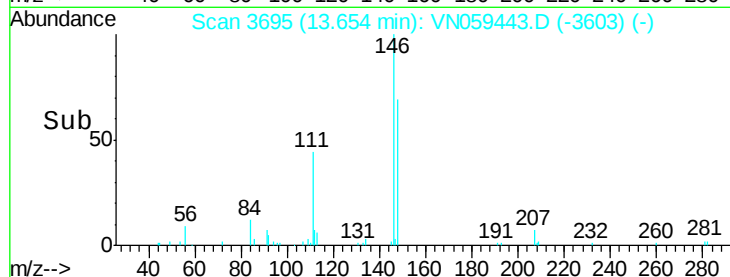
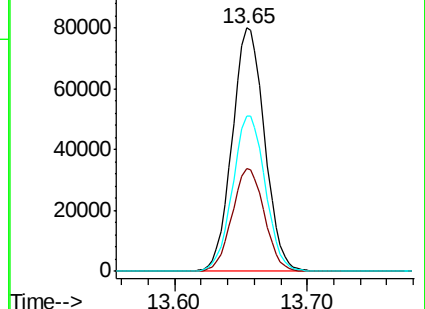
148 64.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 23.158 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. -0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

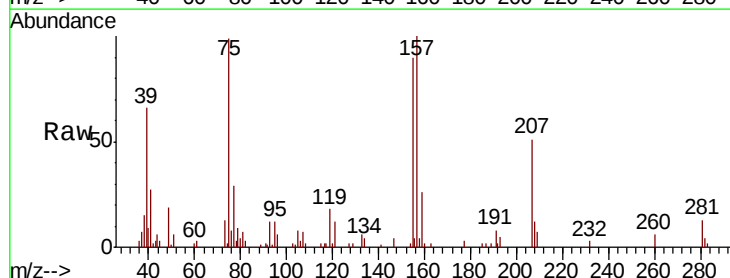
Tgt Ion: 75 Resp: 21273

Ion Ratio Lower Upper

75 100

155 82.8 41.9 125.8

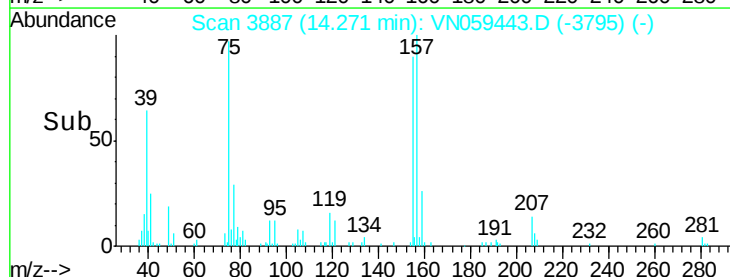
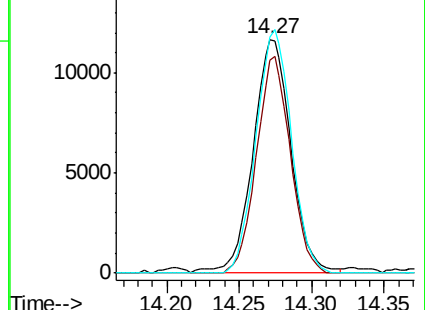
157 97.1 54.1 162.3

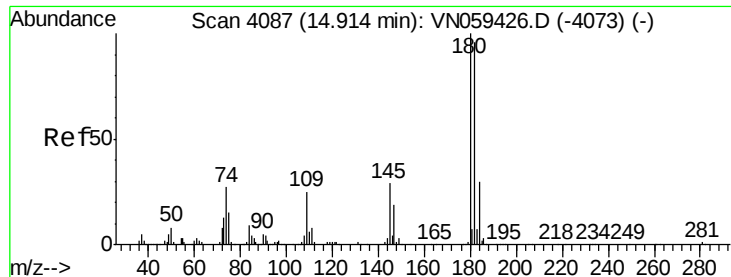


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

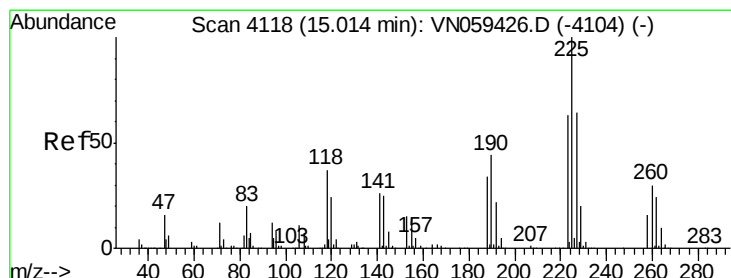
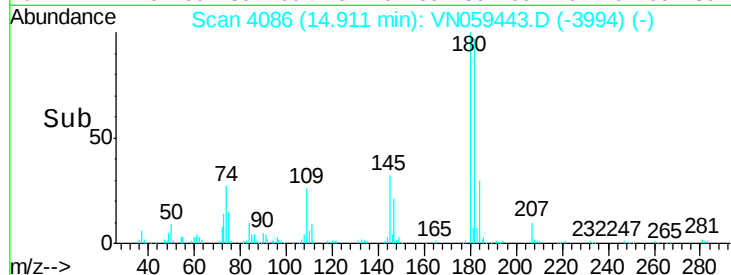
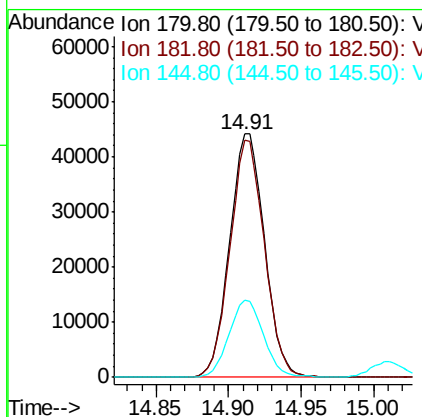
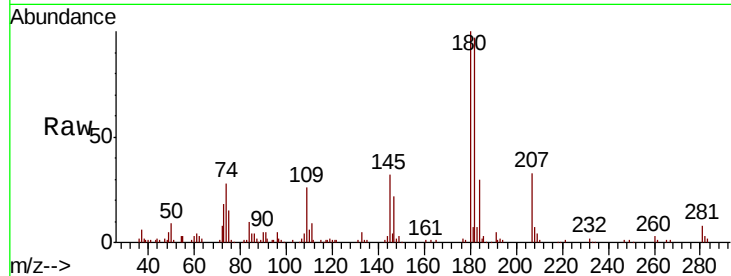




#93
 1,2,4-Trichlorobenzene
 Concen: 17.148 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

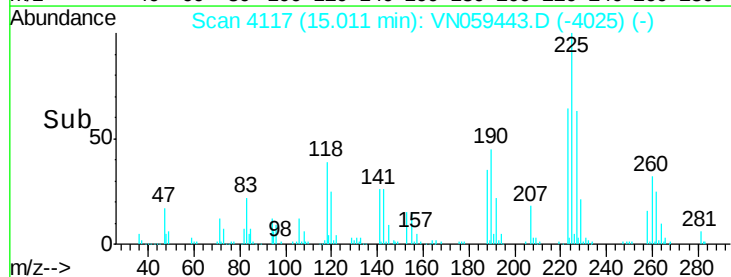
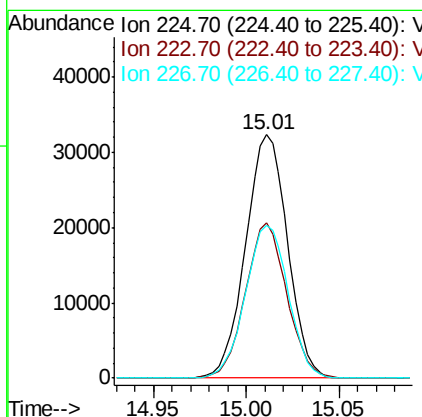
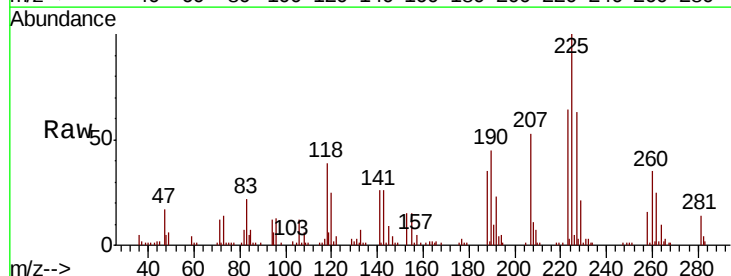
Instrument :
 MSVOA_N
 ClientSampled :

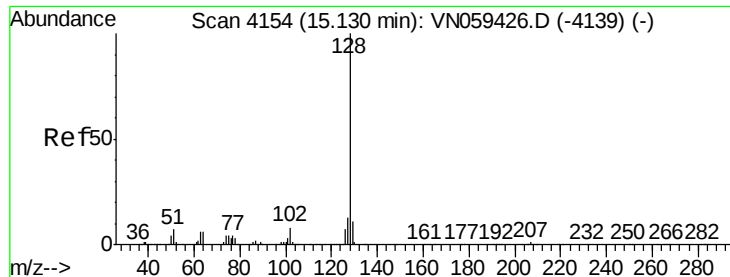
Tot Ion:180 Resp: 73913
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.3 142.0
 145 31.3 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 19.317 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059443.D
 Acq: 29 Nov 2019 13:17

Tgt Ion:225 Resp: 51027
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.5 94.5
 227 63.9 31.9 95.7





#95

Naphthalene

Concen: 21.090 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

Instrument :

MSVOA_N

ClientSampleId :

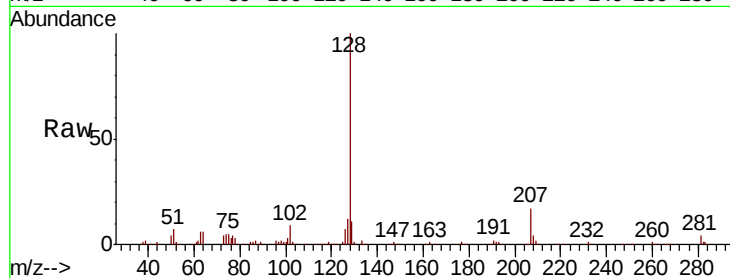
Tot Ion:128 Resp: 190335

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

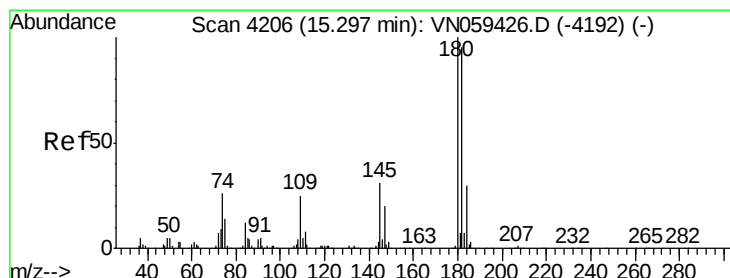
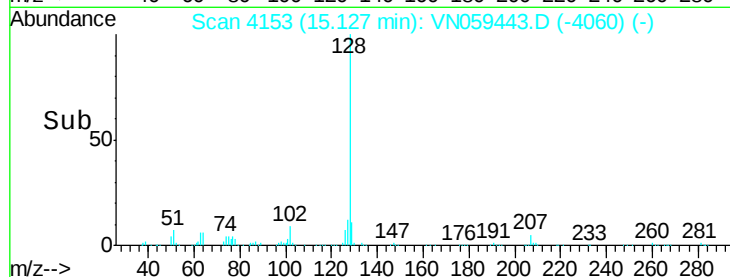
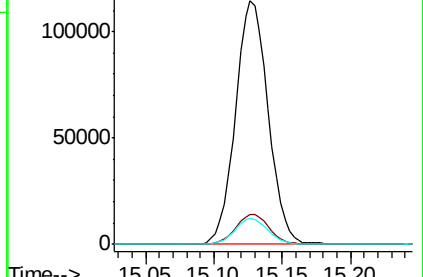
129 10.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.297 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059443.D

Acq: 29 Nov 2019 13:17

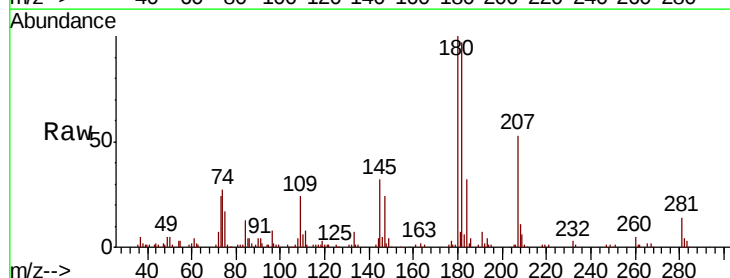
Tgt Ion:180 Resp: 76146

Ion Ratio Lower Upper

180 100

182 95.0 47.5 142.6

145 32.0 15.7 47.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

