

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
 Data File : VN059005.D
 Acq On : 29 Oct 2019 13:11
 Operator : JC/SP
 Sample : VN1029WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 03:55:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	407622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	659531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	599900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281345	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	297737	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	7.57	113	225513	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	
50) Toluene-d8	10.08	98	841580	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
62) 4-Bromofluorobenzene	12.40	95	306435	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	90020	17.713	ug/l	99
3) Chloromethane	2.04	50	116878	18.569	ug/l	99
4) Vinyl Chloride	2.17	62	120664	19.307	ug/l	99
5) Bromomethane	2.54	94	69019	17.635	ug/l	98
6) Chloroethane	2.69	64	73749	18.401	ug/l	99
7) Trichlorofluoromethane	3.00	101	152775	19.756	ug/l	99
8) Diethyl Ether	3.39	74	58025	21.713	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	85992	20.059	ug/l	98
10) Methyl Iodide	3.93	142	99672	17.678	ug/l	100
11) Tert butyl alcohol	4.75	59	107864	108.724	ug/l	100
12) 1,1-Dichloroethene	3.72	96	81884	20.377	ug/l	96
13) Acrolein	3.58	56	45704	67.047	ug/l	96
14) Allyl chloride	4.30	41	167679	20.621	ug/l	97
15) Acrylonitrile	4.96	53	276589	110.834	ug/l	100
16) Acetone	3.79	43	286727	97.058	ug/l	99
17) Carbon Disulfide	4.03	76	227752	17.595	ug/l	99
18) Methyl Acetate	4.30	43	163204	24.299	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	305982	21.746	ug/l	100
20) Methylene Chloride	4.53	84	99929	19.810	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	89460	20.159	ug/l	97
22) Diisopropyl ether	5.93	45	352683	22.175	ug/l	96
23) Vinyl Acetate	5.87	43	1439898	112.684	ug/l	99
24) 1,1-Dichloroethane	5.82	63	191167	20.729	ug/l	99
25) 2-Butanone	6.81	43	396488	103.391	ug/l	97
26) 2,2-Dichloropropane	6.80	77	159281	19.968	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	107088	21.124	ug/l	98
28) Bromochloromethane	7.17	49	57158	18.610	ug/l	97
29) Tetrahydrofuran	7.19	42	259947	110.809	ug/l	99
30) Chloroform	7.35	83	187421	20.260	ug/l	100
31) Cyclohexane	7.63	56	164688	19.169	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	158623	20.343	ug/l	99
36) 1,1-Dichloropropene	7.77	75	136427	20.205	ug/l	99
37) Ethyl Acetate	6.91	43	160463	21.810	ug/l	99
38) Carbon Tetrachloride	7.76	117	136963	19.690	ug/l	97

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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)
39) Methylcyclohexane	9.07	83	145483	19.189	ug/l	99
40) Benzene	8.02	78	404777	20.415	ug/l	97
41) Methacrylonitrile	7.15	41	59246	18.080	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	153263	20.066	ug/l	100
43) Isopropyl Acetate	8.15	43	250291	21.212	ug/l	99
44) Trichloroethene	8.82	130	98131	20.317	ug/l	99
45) 1,2-Dichloropropane	9.11	63	115672	21.275	ug/l	100
46) Dibromomethane	9.20	93	69526	20.228	ug/l	99
47) Bromodichloromethane	9.39	83	144849	20.447	ug/l	99
48) Methyl methacrylate	9.19	41	112087	20.937	ug/l	98
49) 1,4-Dioxane	9.18	88	36189	411.793	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	807559	117.173	ug/l	99
52) Toluene	10.15	92	247300	21.032	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	161632	20.610	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	175790	20.981	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	101444	20.943	ug/l	97
56) Ethyl methacrylate	10.42	69	154095	20.242	ug/l	98
57) 1,3-Dichloropropane	10.70	76	179414	21.104	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	300194	91.055	ug/l	100
59) 2-Hexanone	10.75	43	601228	112.892	ug/l	99
60) Dibromochloromethane	10.90	129	108647	20.839	ug/l	100
61) 1,2-Dibromoethane	11.00	107	101985	20.574	ug/l	98
64) Tetrachloroethene	10.63	164	84308	20.067	ug/l	94
65) Chlorobenzene	11.43	112	261958	21.449	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	100352	21.774	ug/l	100
67) Ethyl Benzene	11.51	91	466825	21.789	ug/l	98
68) m/p-Xylenes	11.62	106	343413	43.222	ug/l	100
69) o-Xylene	11.95	106	163177	21.534	ug/l	99
70) Styrene	11.97	104	267116	20.156	ug/l	99
71) Bromoform	12.13	173	77016	21.550	ug/l #	98
73) Isopropylbenzene	12.25	105	447626	21.771	ug/l	99
74) N-amyl acetate	12.07	43	206035	22.103	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	161178	22.294	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	213067	32.677	ug/l #	100
77) Bromobenzene	12.53	156	109848	21.675	ug/l	97
78) n-propylbenzene	12.59	91	521101	21.441	ug/l	99
79) 2-Chlorotoluene	12.68	91	317070	21.316	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	379288	21.956	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52575	21.005	ug/l	99
82) 4-Chlorotoluene	12.78	91	319981	21.050	ug/l	99
83) tert-Butylbenzene	13.00	119	327030	22.138	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	375555	22.041	ug/l	98
85) sec-Butylbenzene	13.18	105	434725	22.072	ug/l	99
86) p-Isopropyltoluene	13.29	119	382393	22.004	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	188213	20.770	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	185156	20.408	ug/l	98
89) n-Butylbenzene	13.62	91	327709	20.528	ug/l	99
90) Hexachloroethane	13.88	117	74576	21.178	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	190557	21.395	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	33584	20.538	ug/l	98

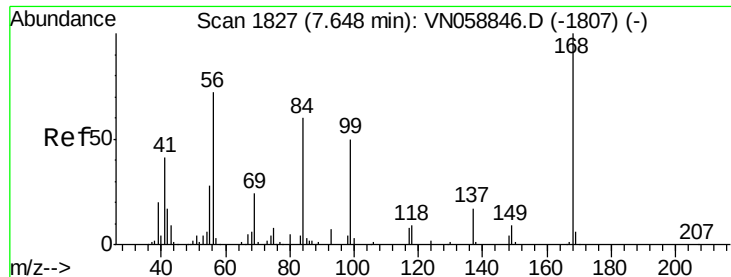
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	102765	19.925	ug/l	99
94) Hexachlorobutadiene	15.01	225	60563	20.979	ug/l	99
95) Naphthalene	15.13	128	279709	18.810	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	102707	20.309	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: VN059005.D

Acq: 29 Oct 2019 13:11

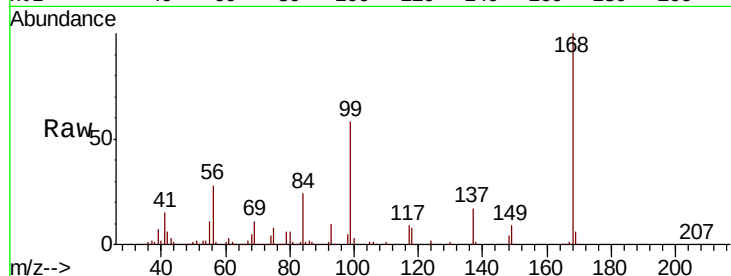
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 407622

Ion Ratio Lower Upper

168 100

99 57.8 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

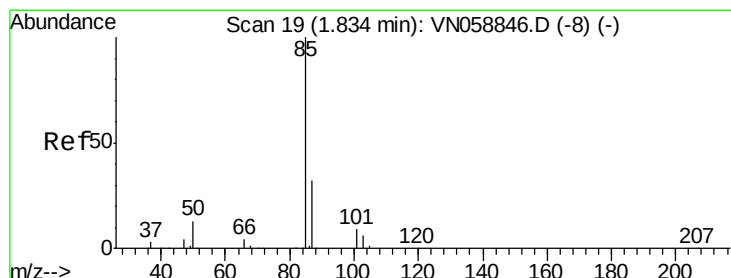
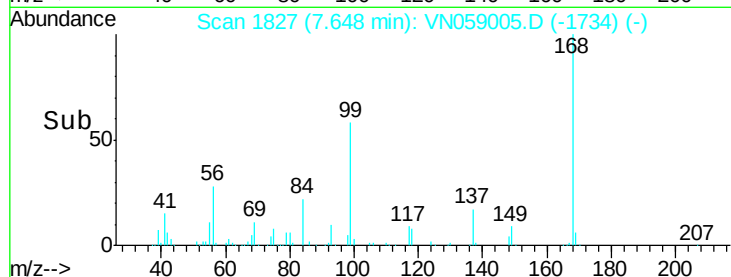
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.713 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059005.D

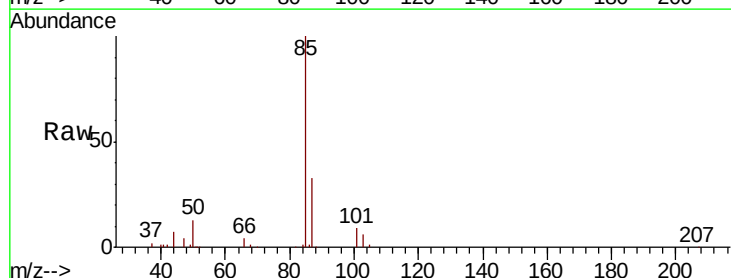
Acq: 29 Oct 2019 13:11

Tgt Ion: 85 Resp: 90020

Ion Ratio Lower Upper

85 100

87 32.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

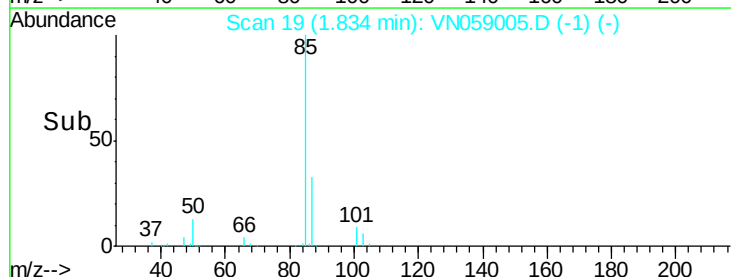
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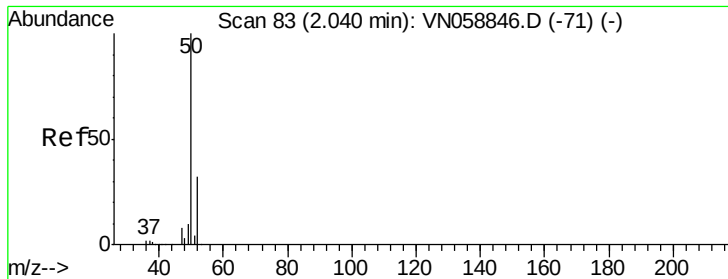
40000

20000

0

Time-->





#3

Chloromethane

Concen: 18.569 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

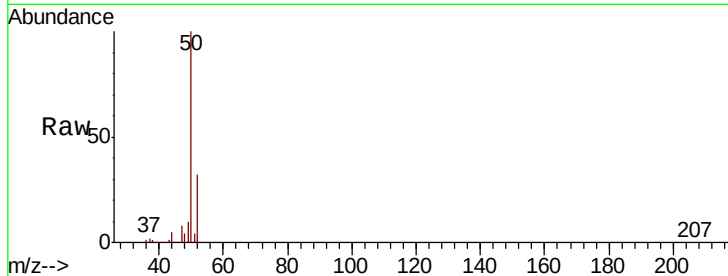
ClientSampleId :

Tot Ion: 50 Resp: 116878

Ion Ratio Lower Upper

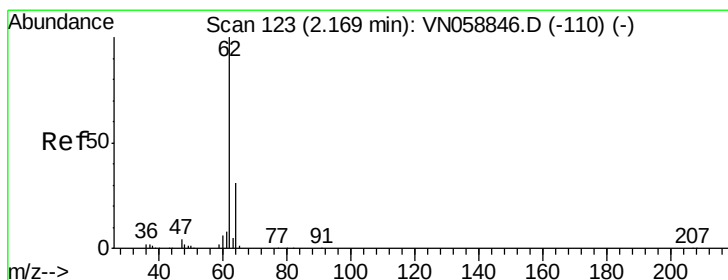
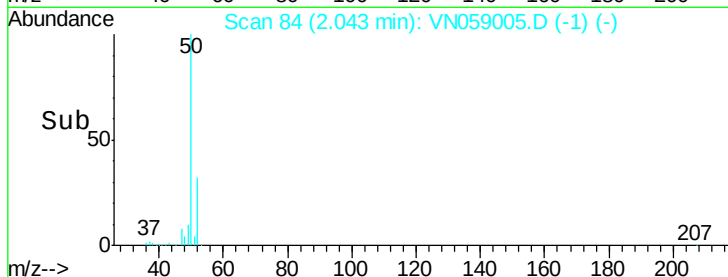
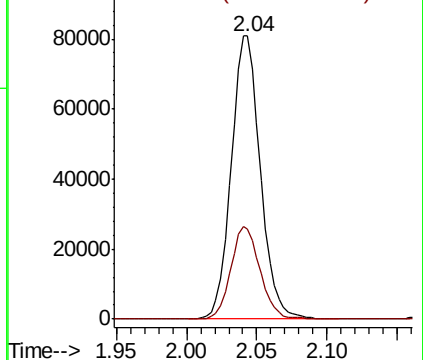
50 100

52 31.7 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.307 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059005.D

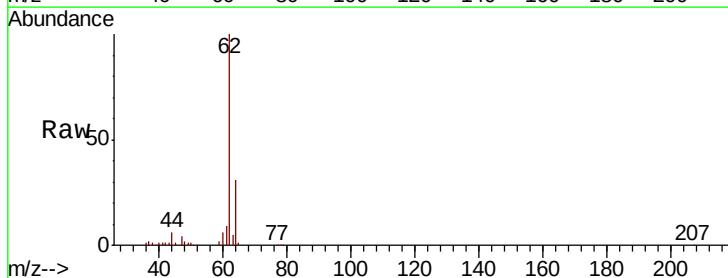
Acq: 29 Oct 2019 13:11

Tgt Ion: 62 Resp: 120664

Ion Ratio Lower Upper

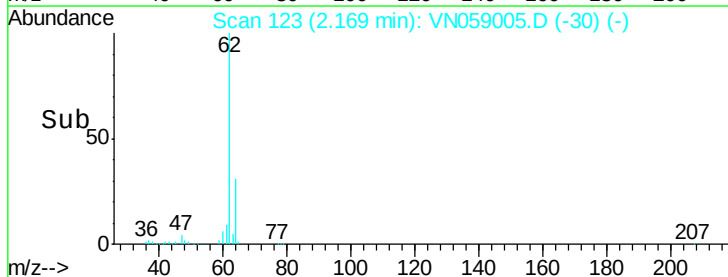
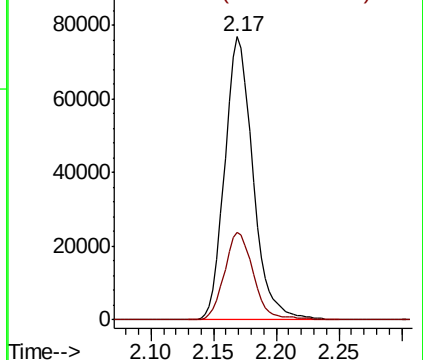
62 100

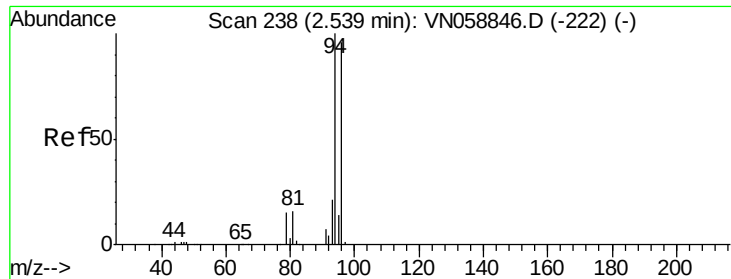
64 31.1 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 17.635 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

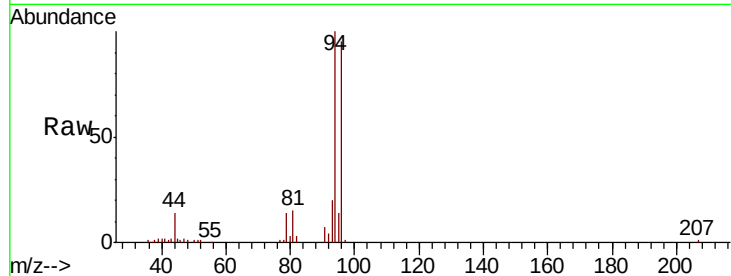
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 69019

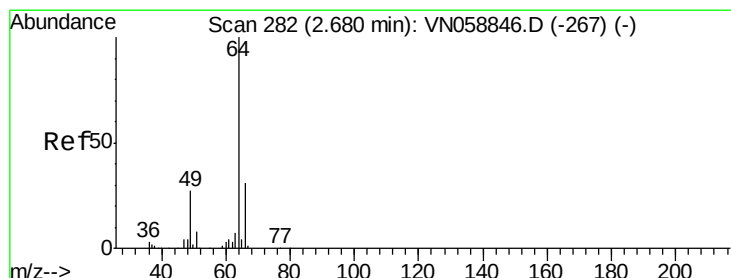
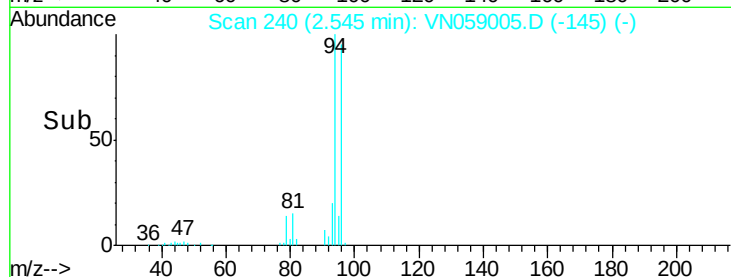
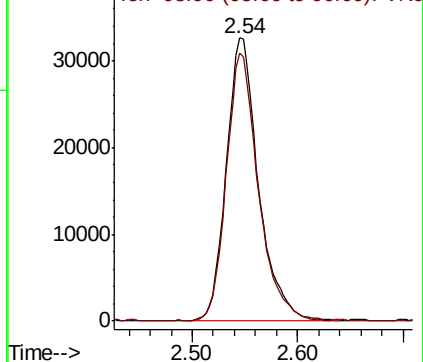
Ion Ratio Lower Upper

94 100

96 94.7 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.401 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059005.D

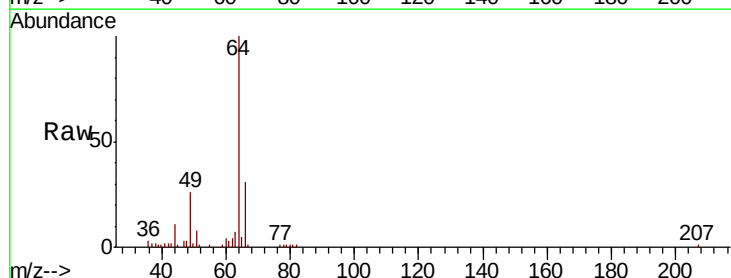
Acq: 29 Oct 2019 13:11

Tgt Ion: 64 Resp: 73749

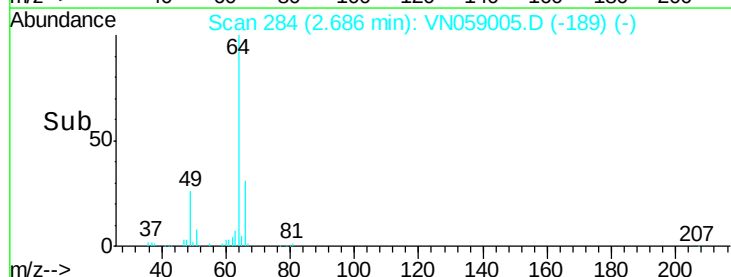
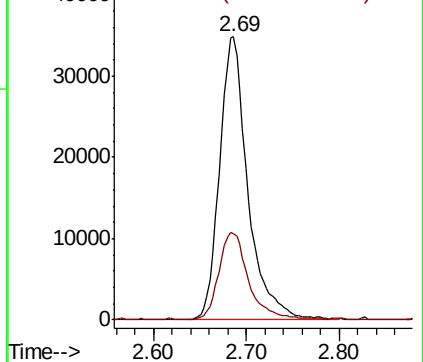
Ion Ratio Lower Upper

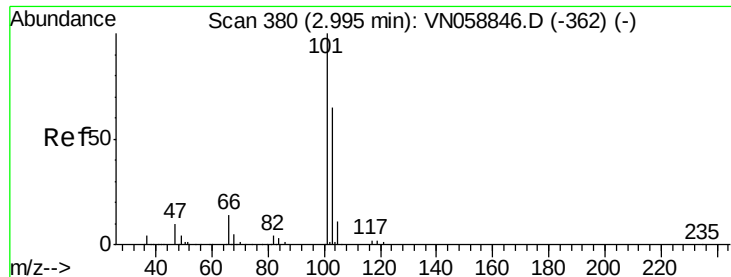
64 100

66 30.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



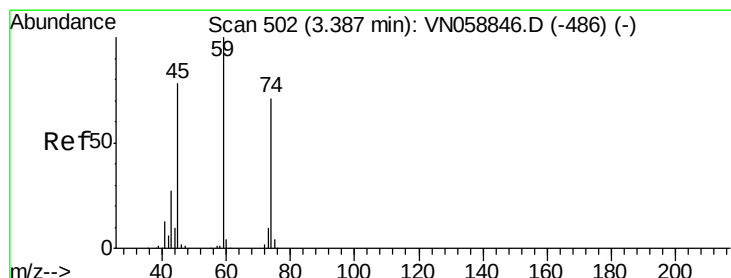
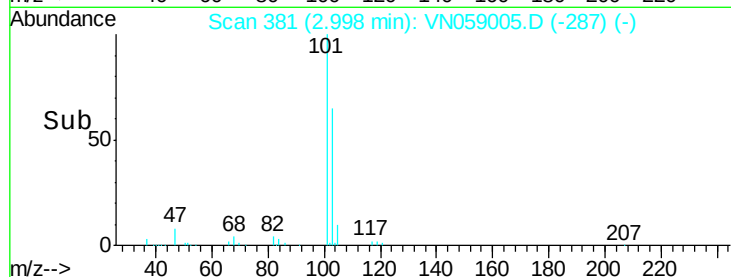
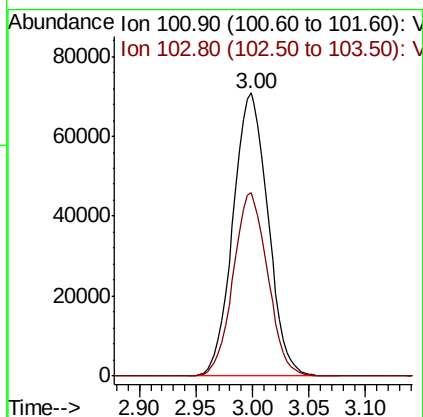
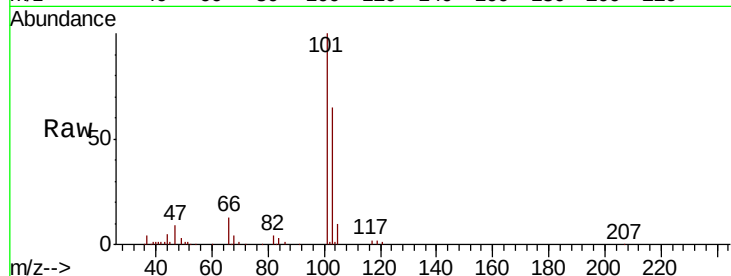


#7

Trichlorofluoromethane
Concen: 19.756 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampled :

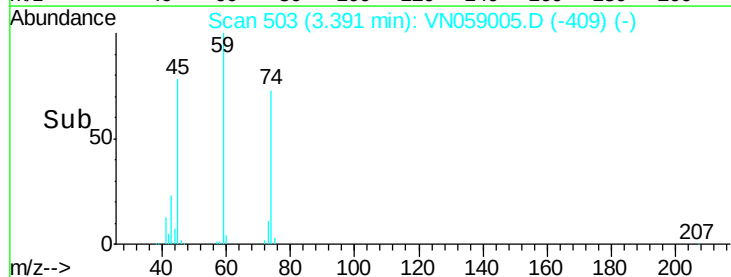
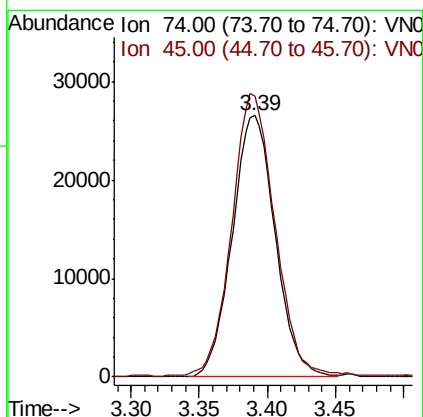
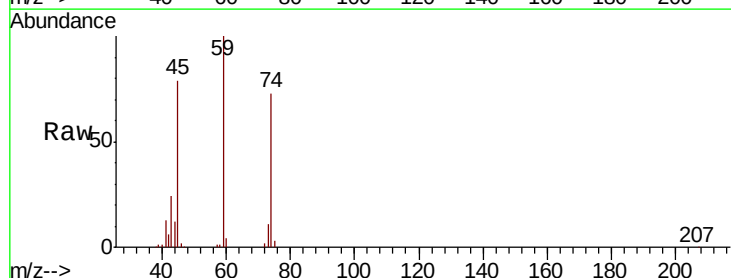
Tot Ion:101 Resp: 152775
Ion Ratio Lower Upper
101 100
103 64.7 52.2 78.2

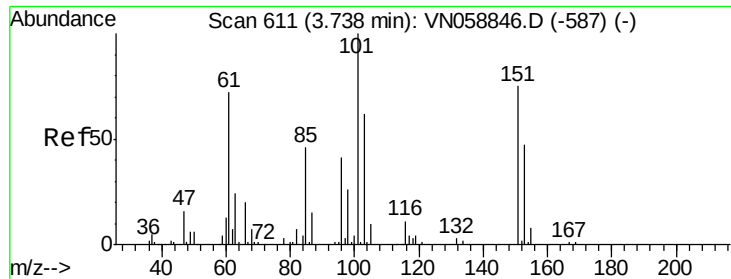


#8

Diethyl Ether
Concen: 21.713 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion: 74 Resp: 58025
Ion Ratio Lower Upper
74 100
45 109.7 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.059 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

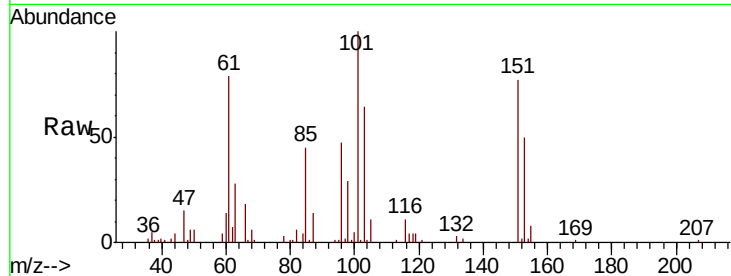
Tot Ion:101 Resp: 85992

Ion Ratio Lower Upper

101 100

85 44.9 37.2 55.8

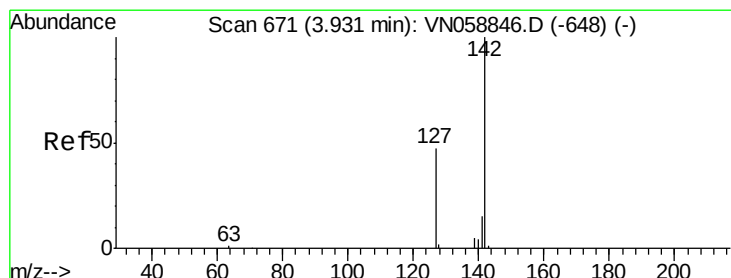
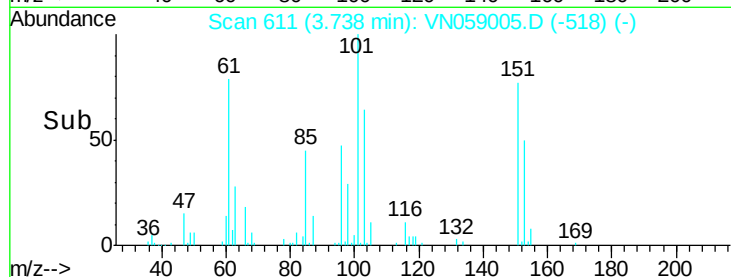
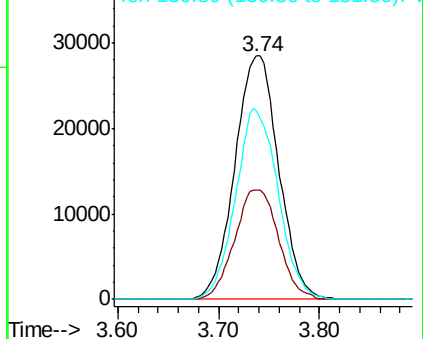
151 76.1 59.9 89.9



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: 17.678 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

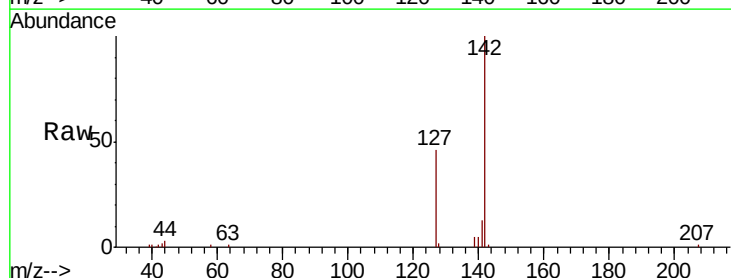
Tgt Ion:142 Resp: 99672

Ion Ratio Lower Upper

142 100

127 45.6 36.6 54.8

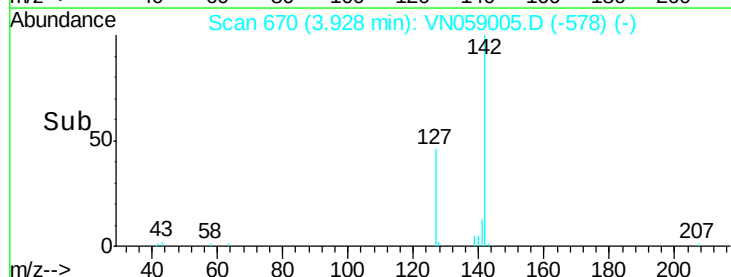
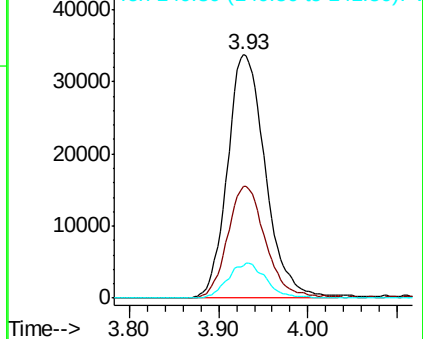
141 14.3 11.4 17.2

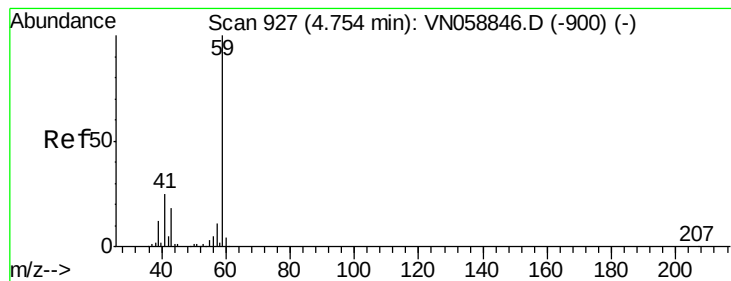


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



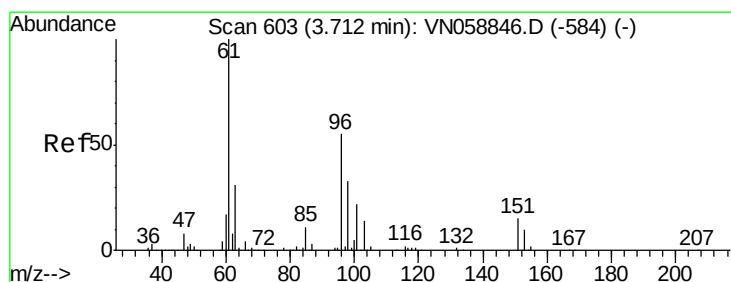
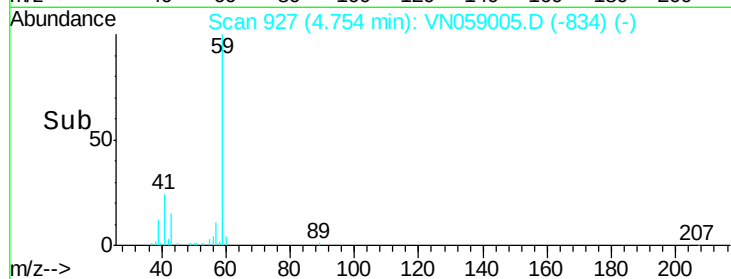
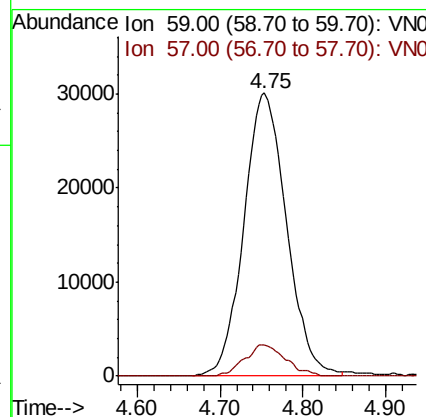
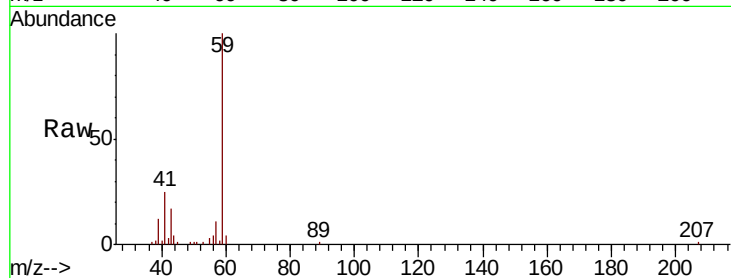


#11

Tert butyl alcohol
 Concen: 108.724 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :

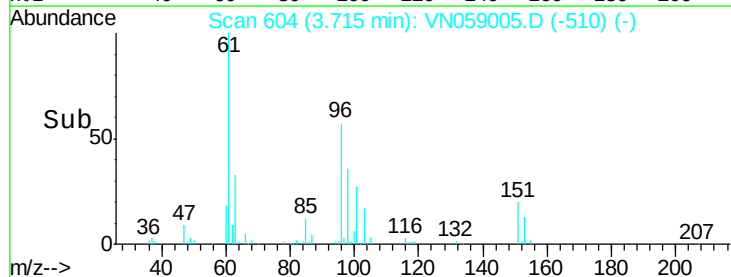
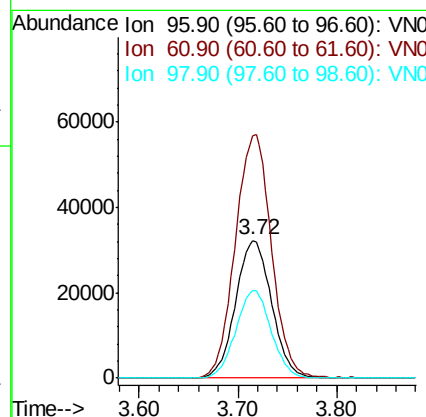
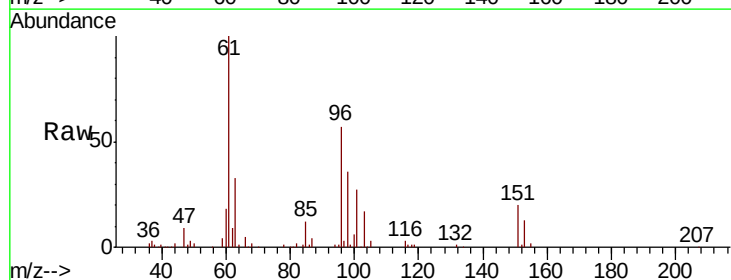
Tot Ion: 59 Resp: 107864
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.6 12.8

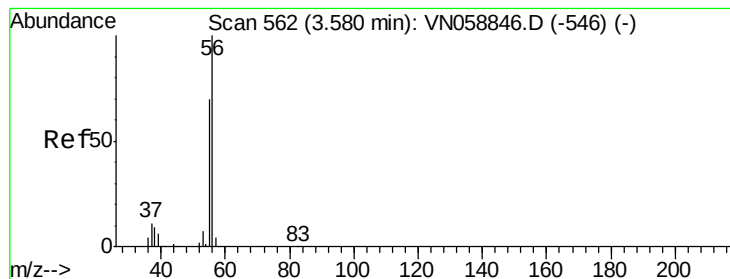


#12

1,1-Dichloroethene
 Concen: 20.377 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion: 96 Resp: 81884
 Ion Ratio Lower Upper
 96 100
 61 176.0 146.2 219.2
 98 63.9 48.7 73.1





#13

Acrolein

Concen: 67.047 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

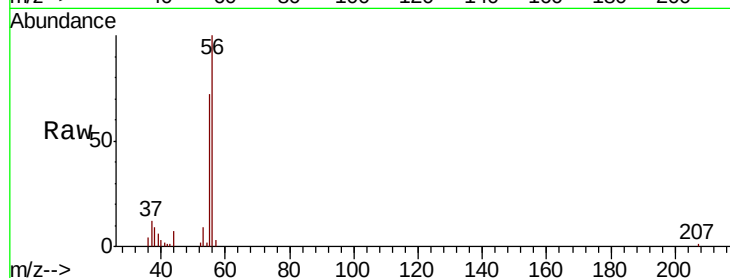
ClientSampleId :

Tot Ion: 56 Resp: 45704

Ion Ratio Lower Upper

56 100

55 73.7 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

20000

15000

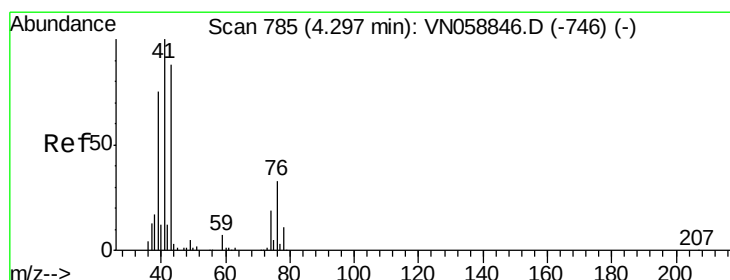
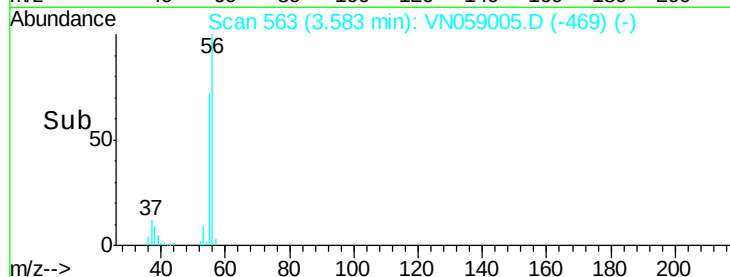
10000

5000

0

Time-->

3.50 3.60 3.70



#14

Allyl chloride

Concen: 20.621 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

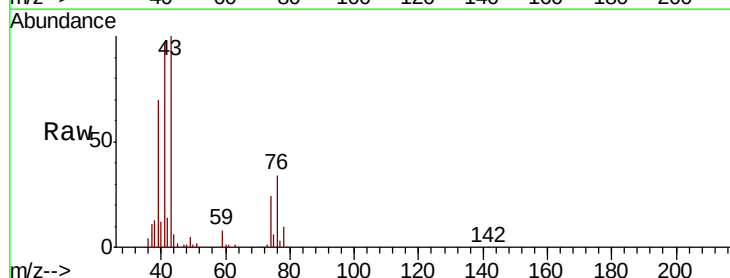
Tgt Ion: 41 Resp: 167679

Ion Ratio Lower Upper

41 100

39 67.4 55.9 83.9

76 31.5 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.30

60000

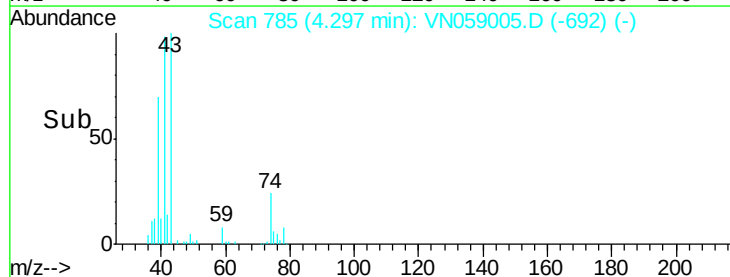
40000

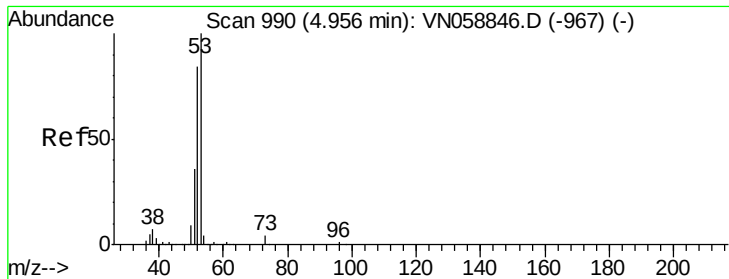
20000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 110.834 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

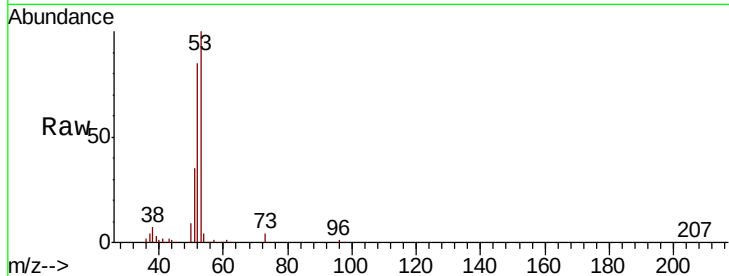
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 53 Resp: 276589

Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	99.8
51	37.0	29.2	43.8

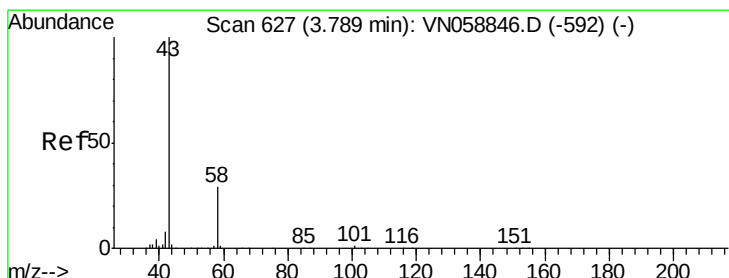
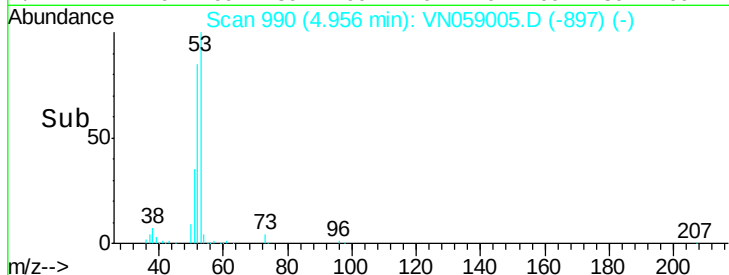
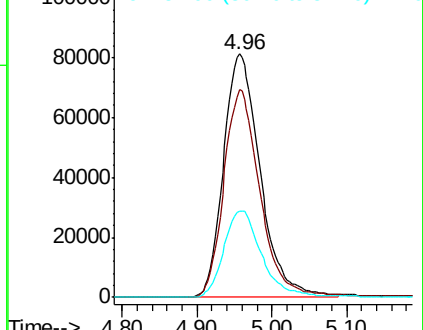


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 97.058 ug/l

RT: 3.79 min Scan# 628

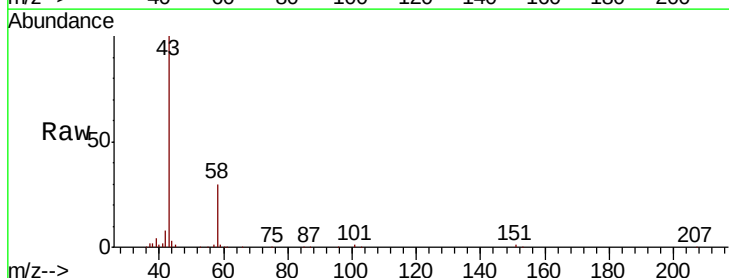
Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Tgt Ion: 43 Resp: 286727

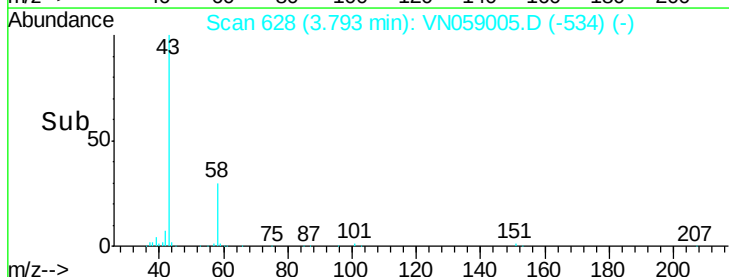
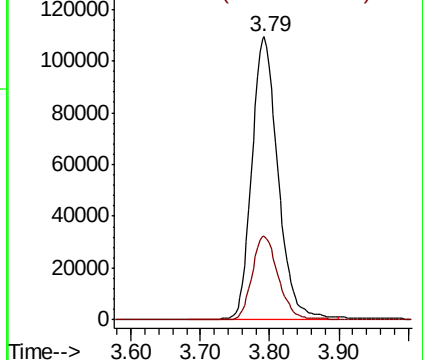
Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.1	34.7

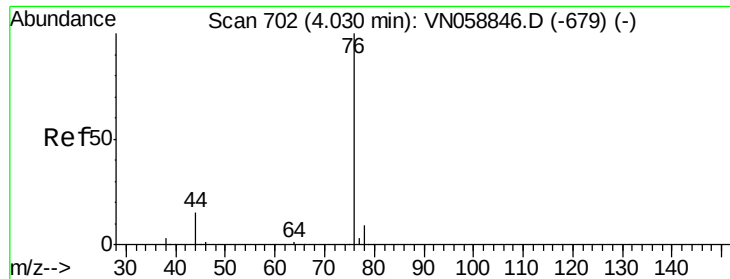


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

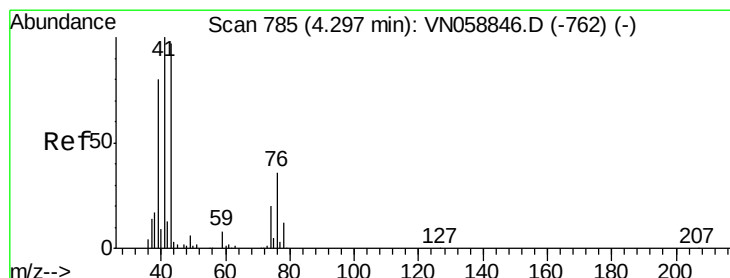
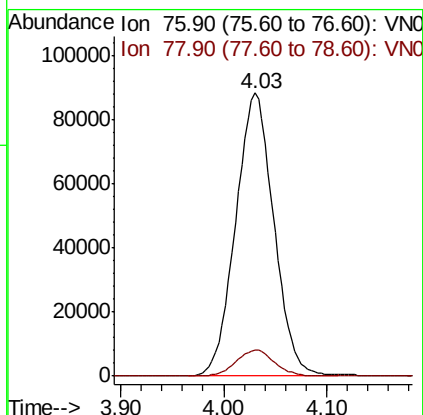
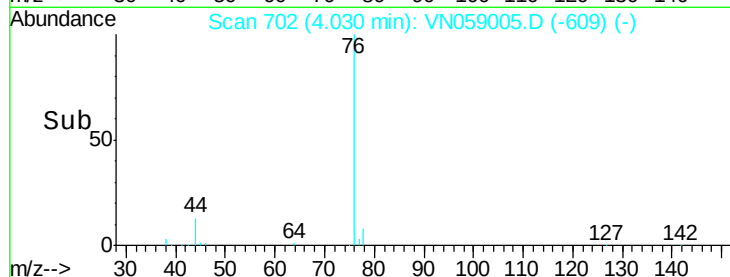
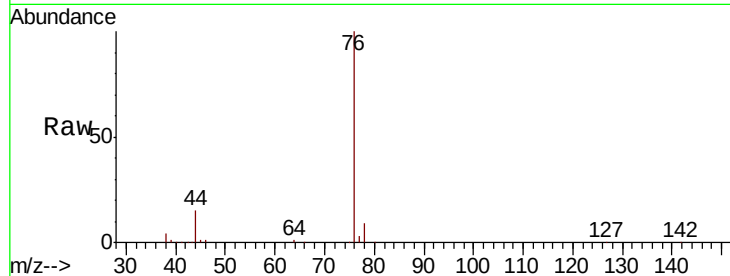




#17
Carbon Disulfide
Concen: 17.595 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

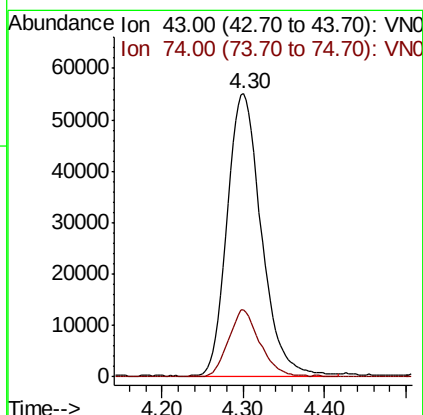
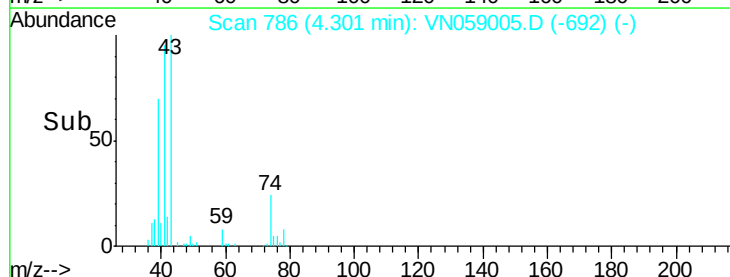
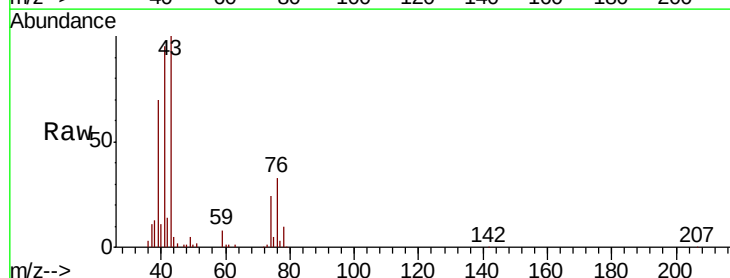
Instrument :
MSVOA_N
ClientSampled :

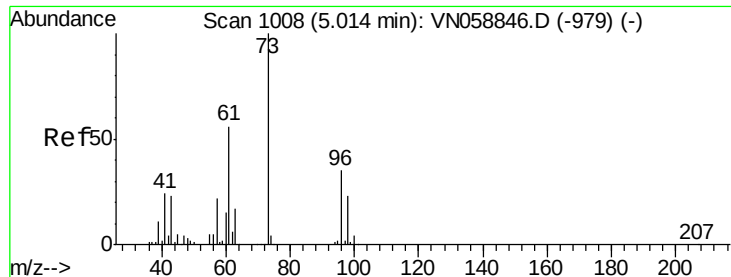
Tot Ion: 76 Resp: 227752
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 24.299 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion: 43 Resp: 163204
Ion Ratio Lower Upper
43 100
74 21.7 17.1 25.7

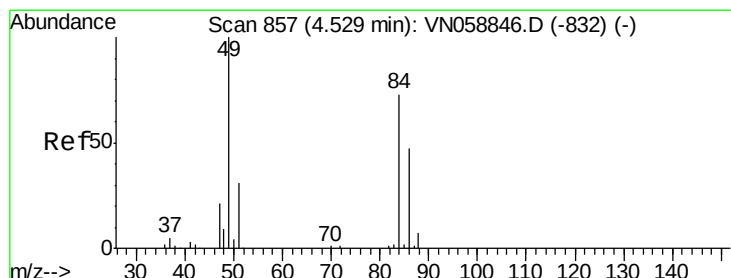
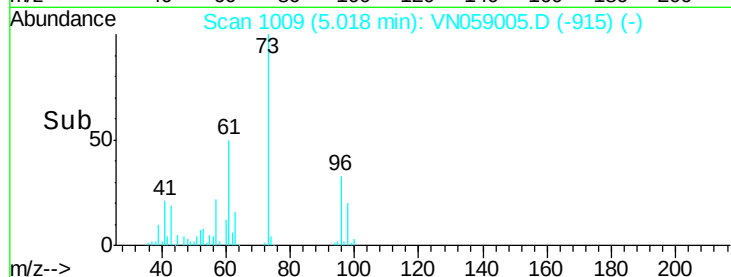
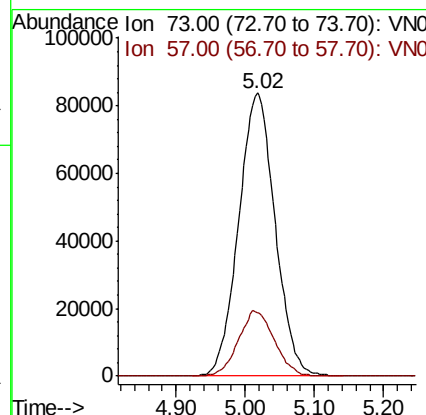
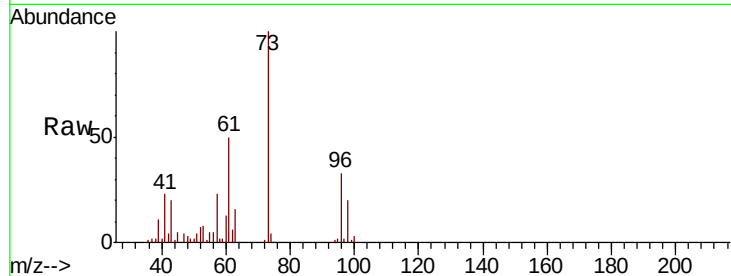




#19
Methyl tert-butyl Ether
Concen: 21.746 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

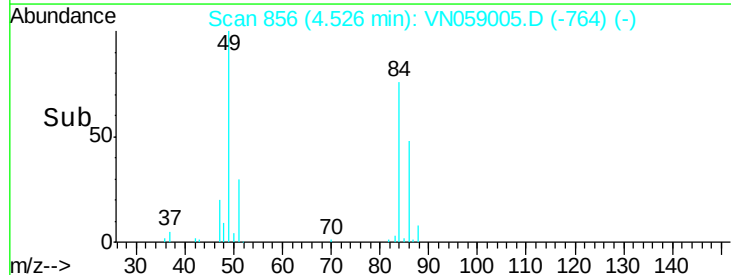
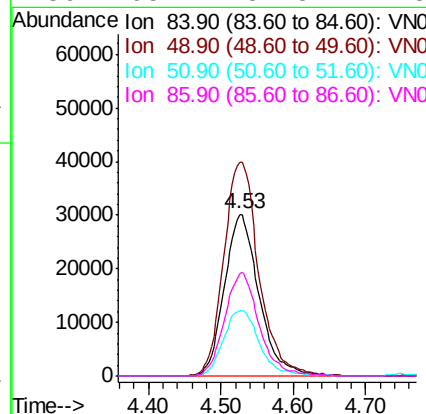
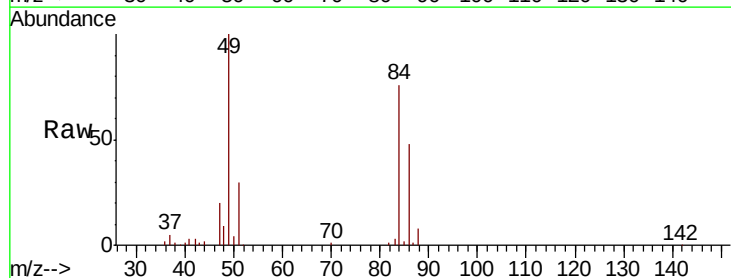
Instrument :
MSVOA_N
ClientSampleId :

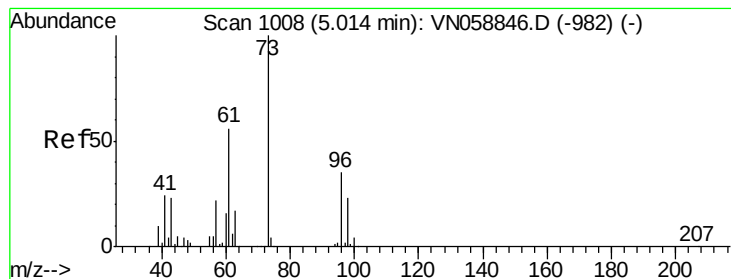
Tot Ion: 73 Resp: 305982
Ion Ratio Lower Upper
73 100
57 22.5 17.9 26.9



#20
Methylene Chloride
Concen: 19.810 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion: 84 Resp: 99929
Ion Ratio Lower Upper
84 100
49 131.9 109.6 164.4
51 40.2 33.8 50.6
86 63.1 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 20.159 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

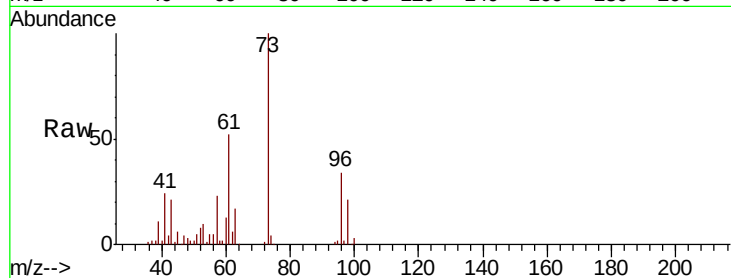
Tot Ion: 96 Resp: 89460

Ion Ratio Lower Upper

96 100

61 154.7 126.7 190.1

98 62.6 52.0 78.0

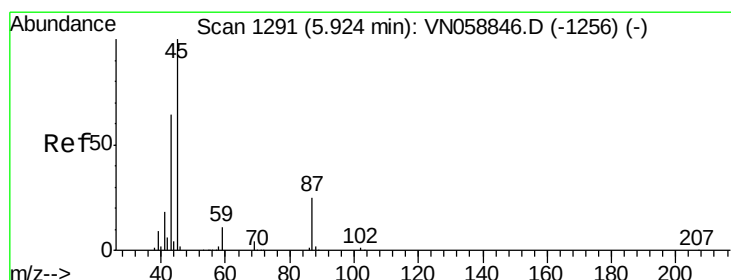
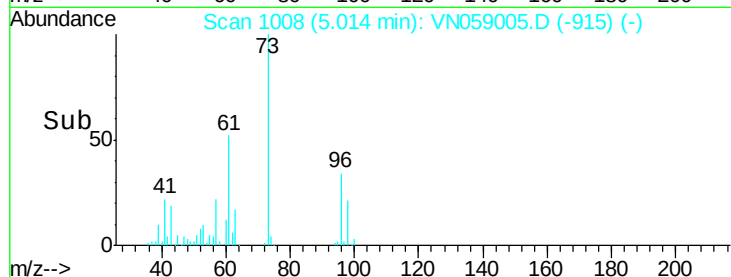
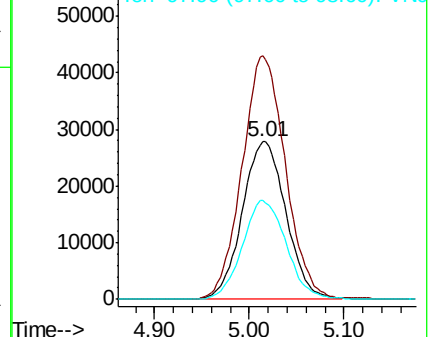


Abundance

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: 22.175 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Tgt Ion: 45 Resp: 352683

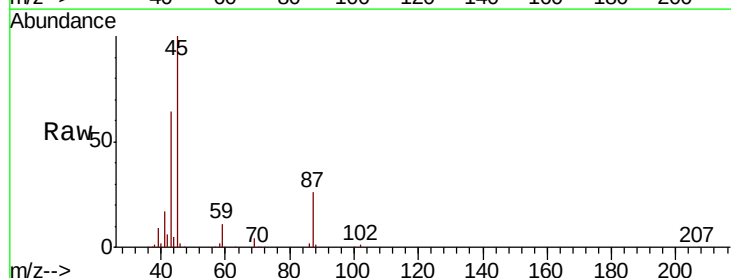
Ion Ratio Lower Upper

45 100

43 61.9 52.9 79.3

87 25.9 20.2 30.4

59 10.8 8.8 13.2



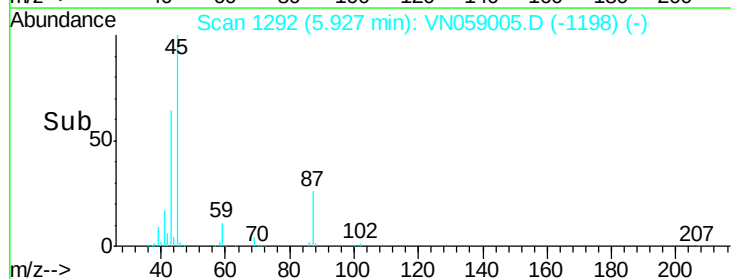
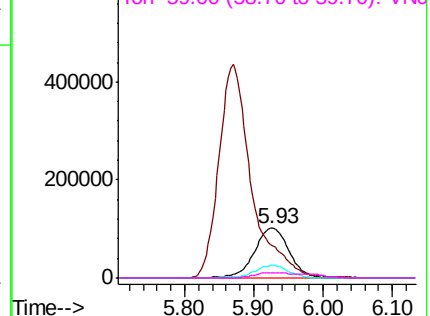
Abundance

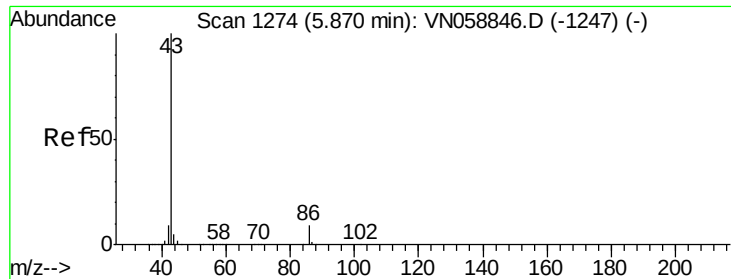
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

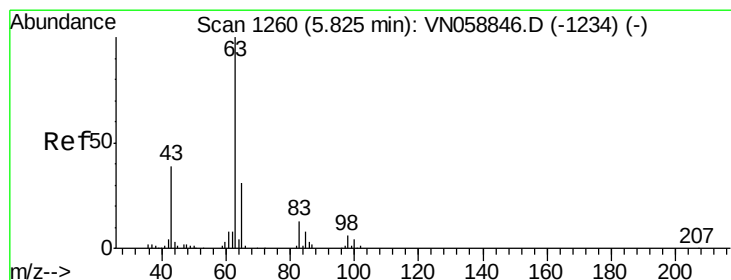
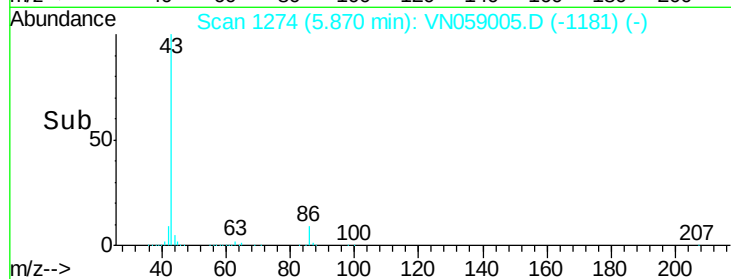
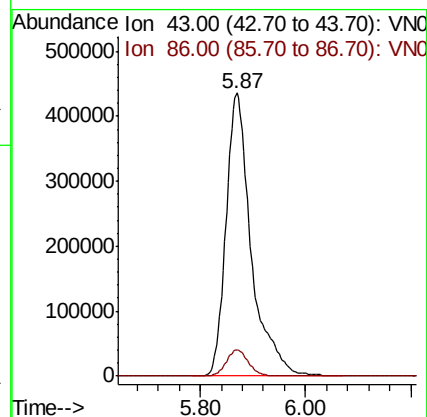
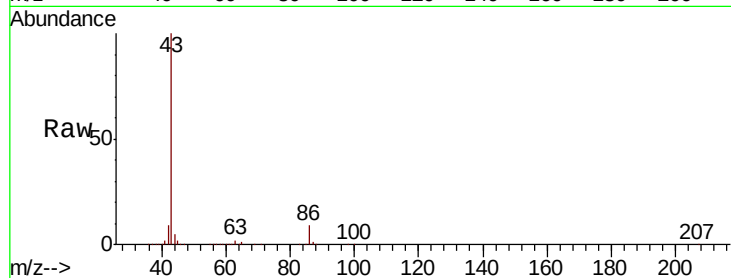




#23
 Vinyl Acetate
 Concen: 112.684 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

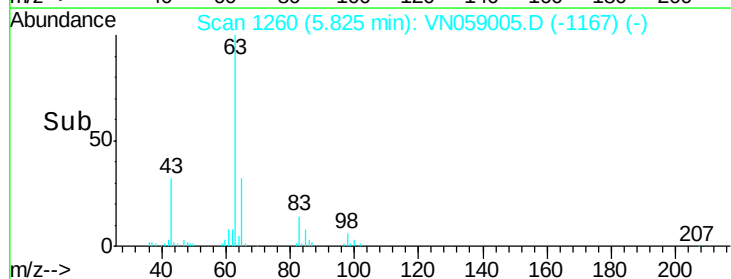
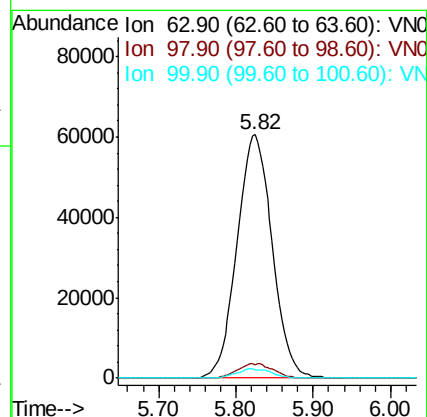
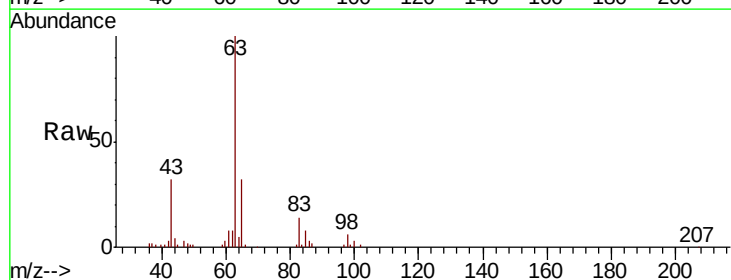
Instrument :
 MSVOA_N
 ClientSampleId :

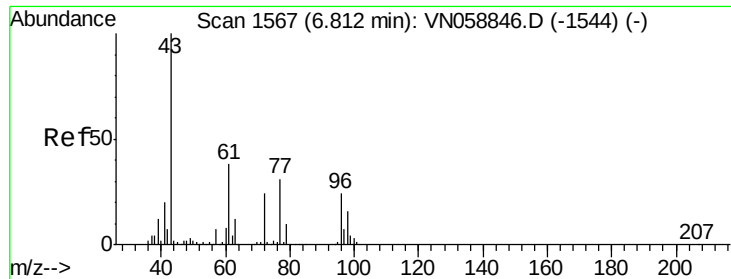
Tot Ion: 43 Resp: 1439898
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 20.729 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion: 63 Resp: 191167
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.8 8.4
 100 3.3 1.9 5.7





#25

2-Butanone

Concen: 103.391 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

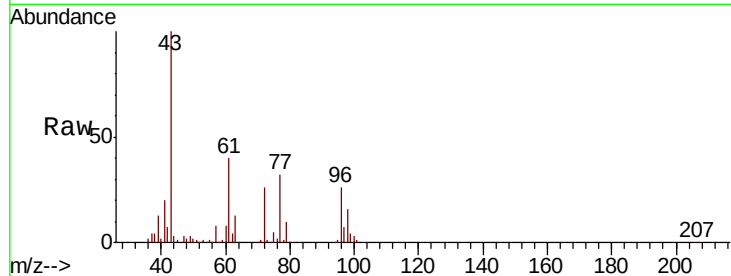
ClientSampled :

Tot Ion: 43 Resp: 396488

Ion Ratio Lower Upper

43 100

72 25.6 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

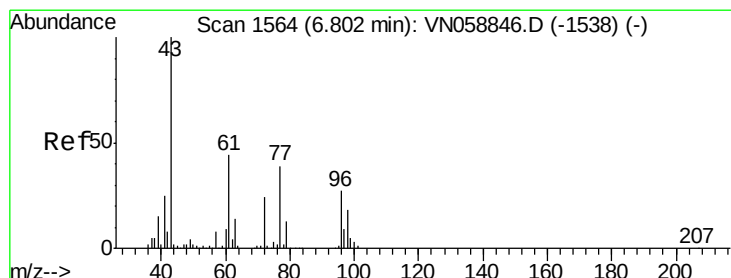
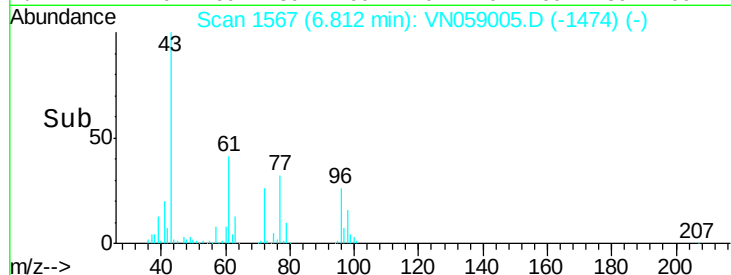
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 19.968 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059005.D

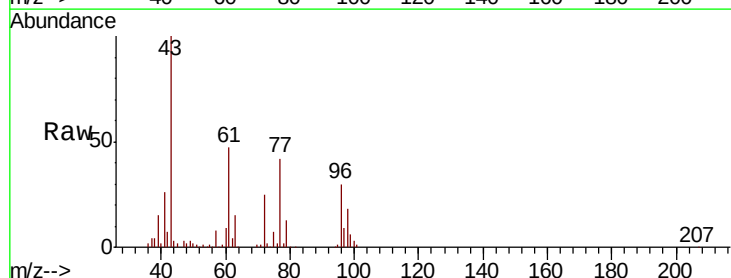
Acq: 29 Oct 2019 13:11

Tgt Ion: 77 Resp: 159281

Ion Ratio Lower Upper

77 100

97 21.8 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

60000

50000

40000

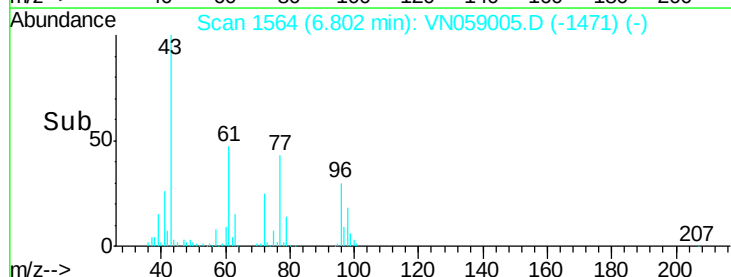
30000

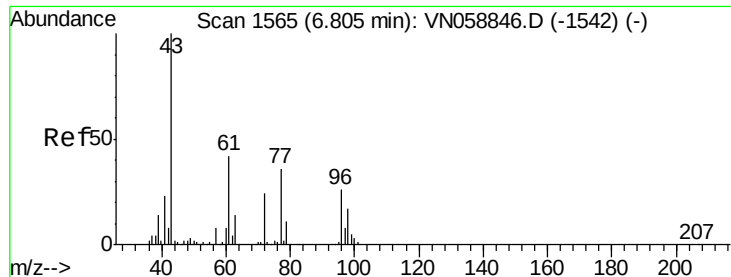
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 21.124 ug/l

RT: 6.81 min Scan# 1565

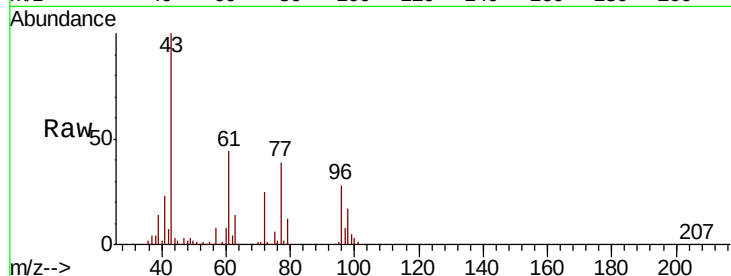
Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampled :

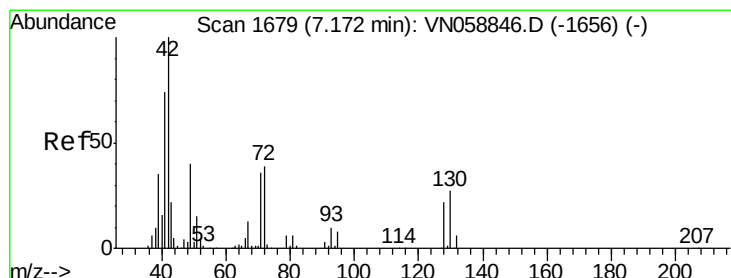
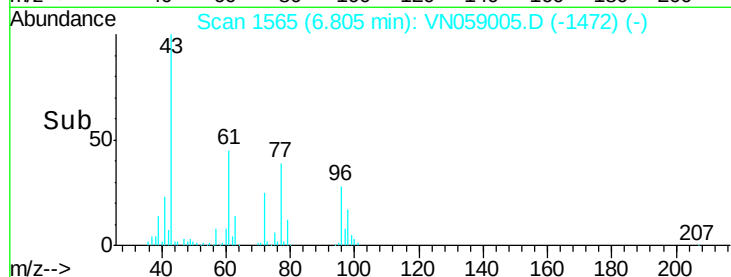
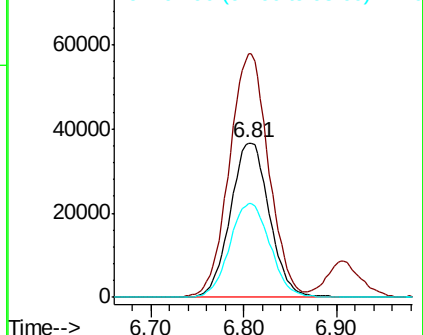
Tot Ion:	96	Resp:	107088
Ion	Ratio	Lower	Upper
96	100		
61	159.0	0.0	325.0
98	63.0	0.0	128.0



Abundance Ion 95.90 (95.60 to 96.60): VN058846.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1542) (-)



#28

Bromochloromethane

Concen: 18.610 ug/l

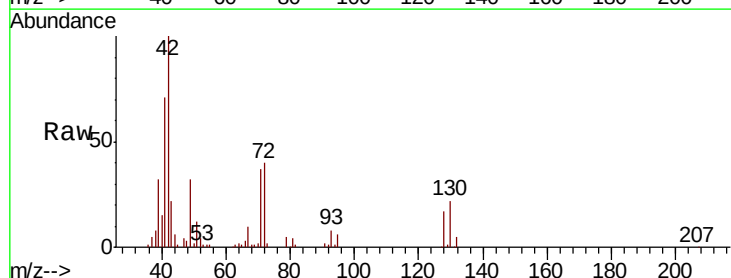
RT: 7.17 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

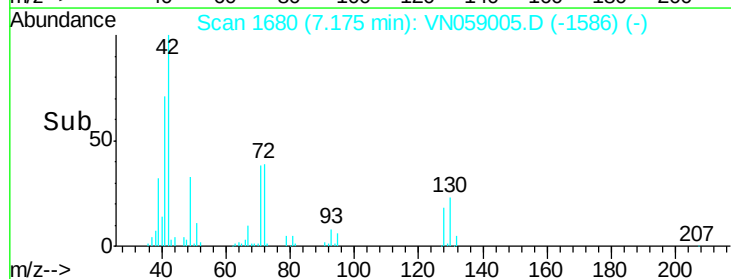
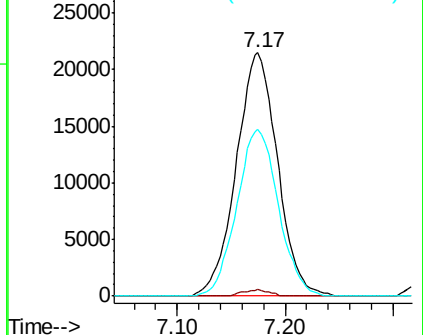
Tgt Ion:	49	Resp:	57158
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	69.0	53.5	80.3

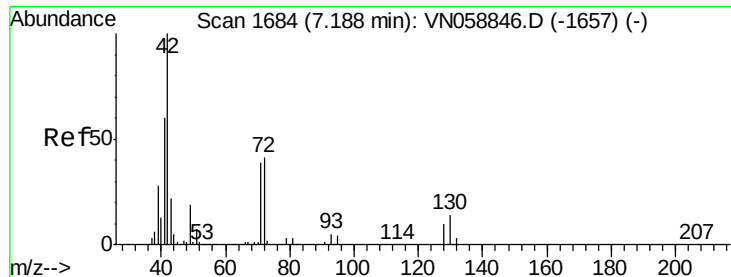


Abundance Ion 48.90 (48.60 to 49.60): VN058846.D (-1656) (-)

Ion 128.80 (128.50 to 129.50): VN058846.D (-1656) (-)

Ion 129.80 (129.50 to 130.50): VN058846.D (-1656) (-)

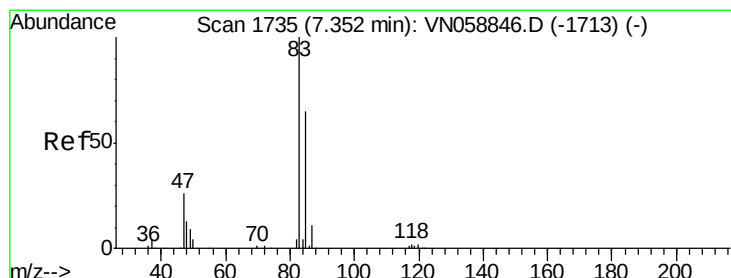
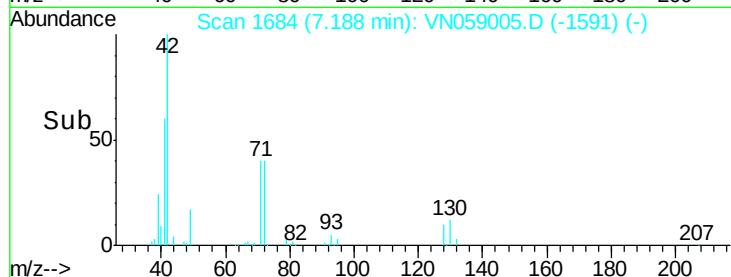
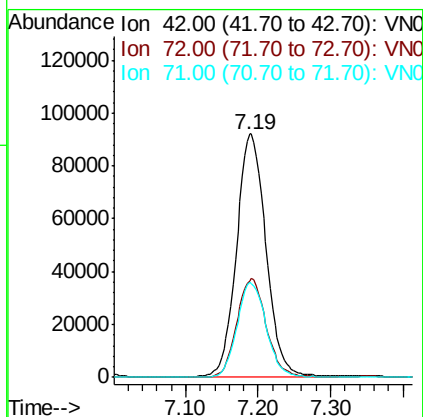
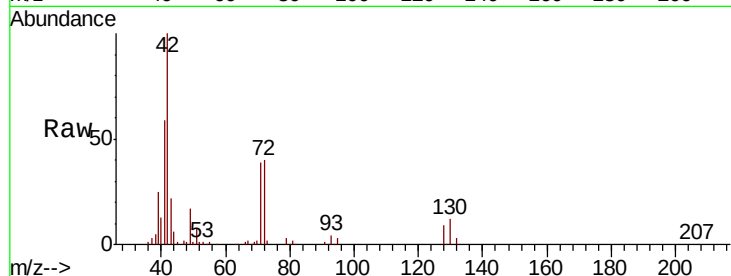




#29
Tetrahydrofuran
Concen: 110.809 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

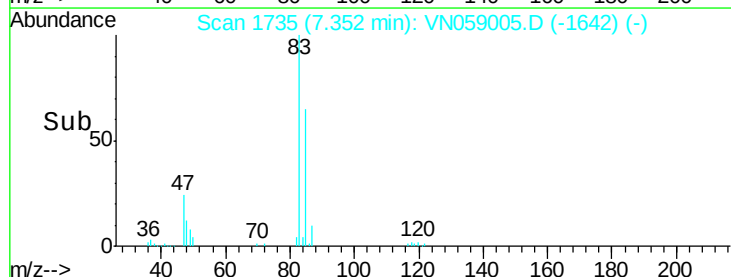
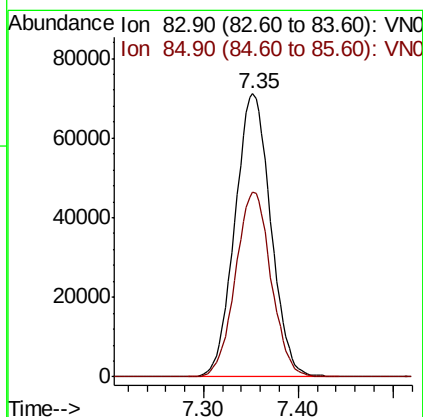
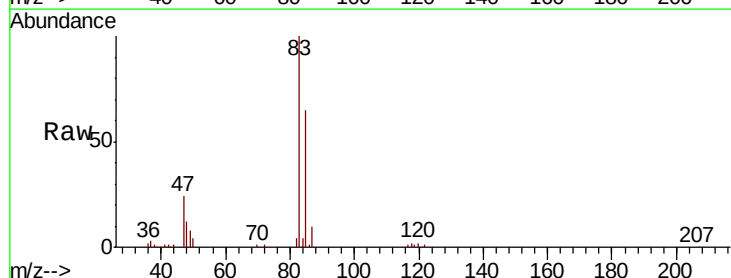
Instrument :
MSVOA_N
ClientSampled :

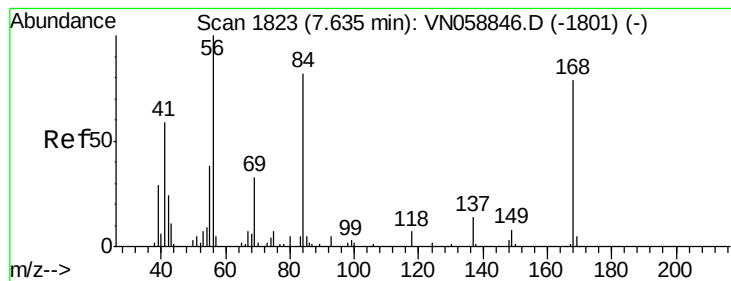
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.2	48.2
71	38.5	30.6	45.8



#30
Chloroform
Concen: 20.260 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.9	77.9





#31

Cyclohexane

Concen: 19.169 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampled :

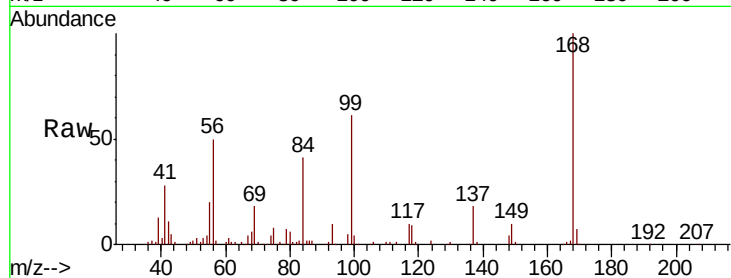
Tot Ion: 56 Resp: 164688

Ion Ratio Lower Upper

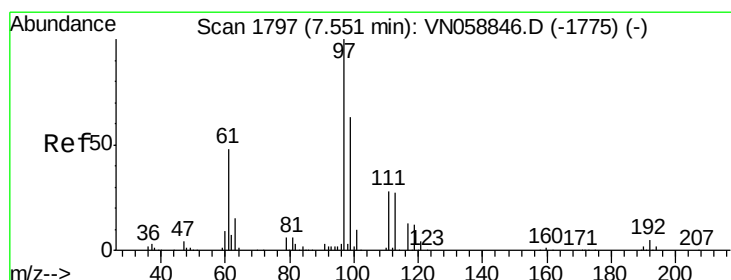
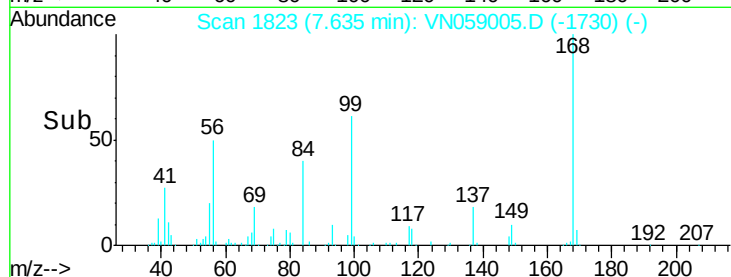
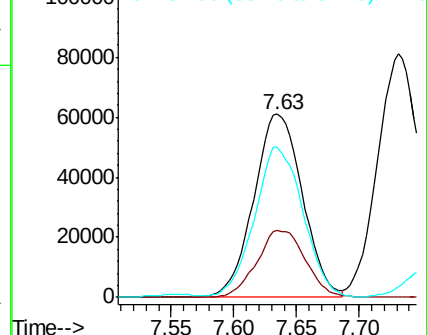
56 100

69 36.2 26.2 39.4

84 80.8 65.6 98.4



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: 20.343 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

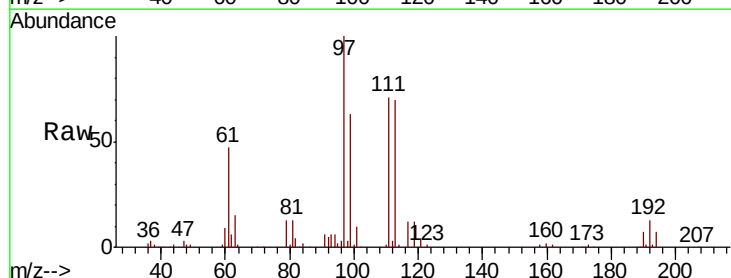
Tgt Ion: 97 Resp: 158623

Ion Ratio Lower Upper

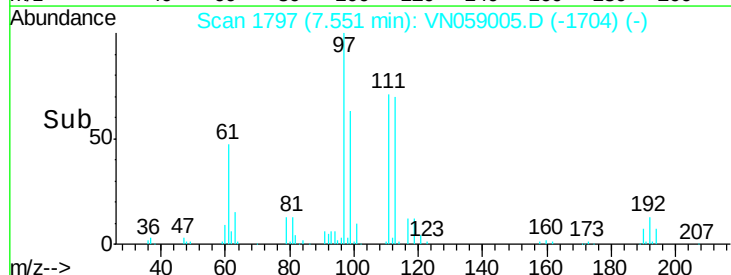
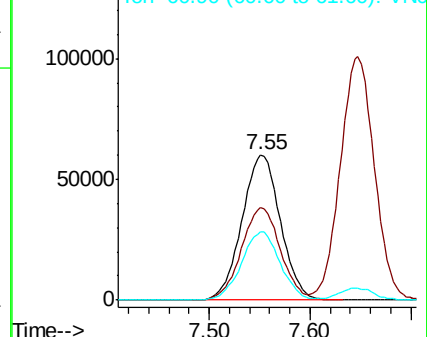
97 100

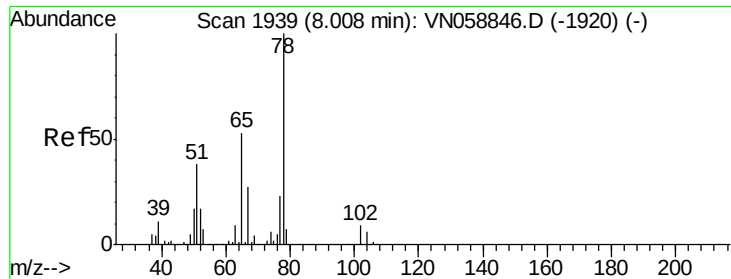
99 64.4 51.0 76.4

61 47.7 38.6 58.0



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

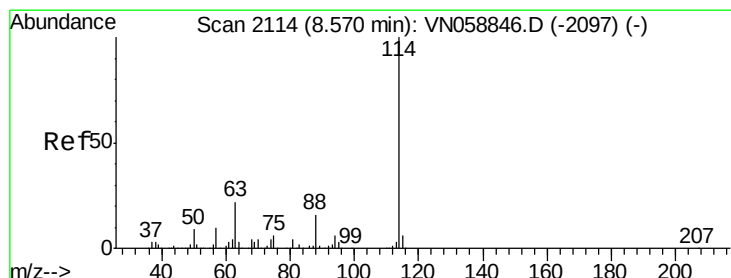
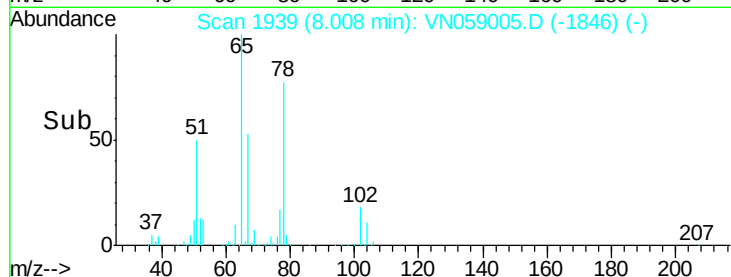
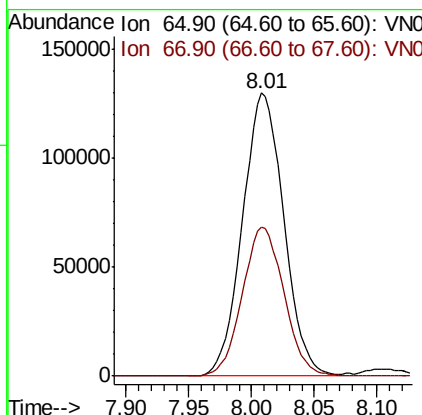
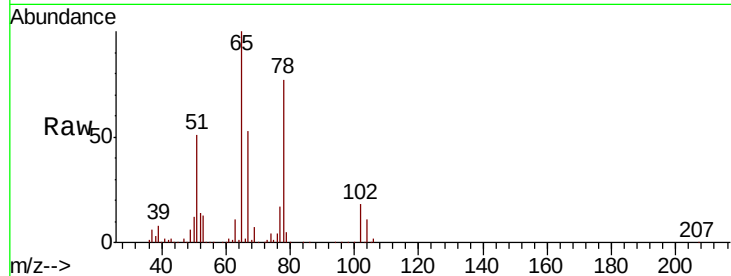




#33
 1,2-Dichloroethane-d4
 Concen: 49.802 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

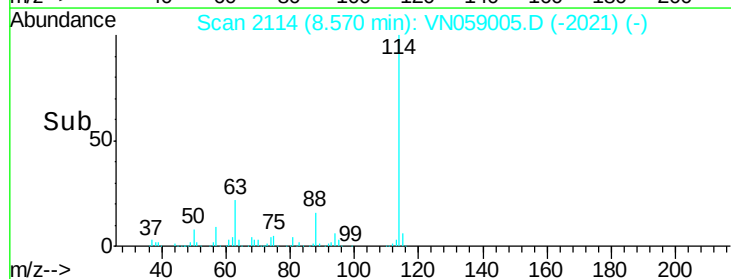
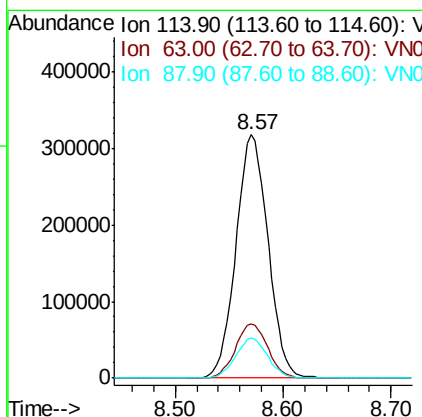
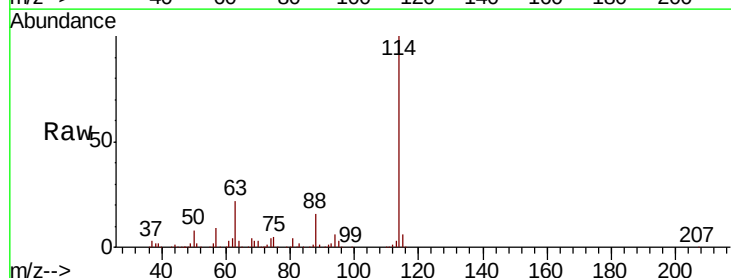
Instrument :
 MSVOA_N
 ClientSampled :

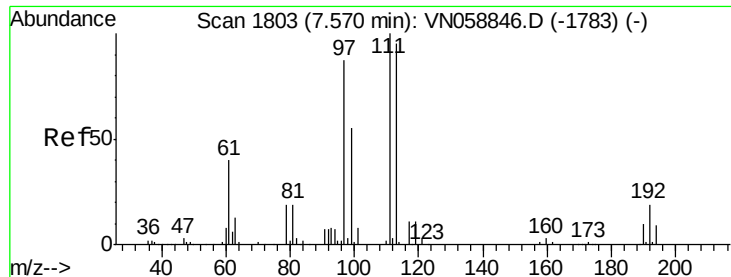
Tot Ion: 65 Resp: 297737
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion: 114 Resp: 659531
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 44.4
 88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.007 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampled :

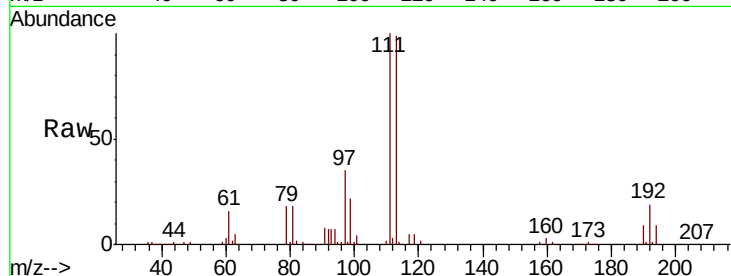
Tot Ion:113 Resp: 225513

Ion Ratio Lower Upper

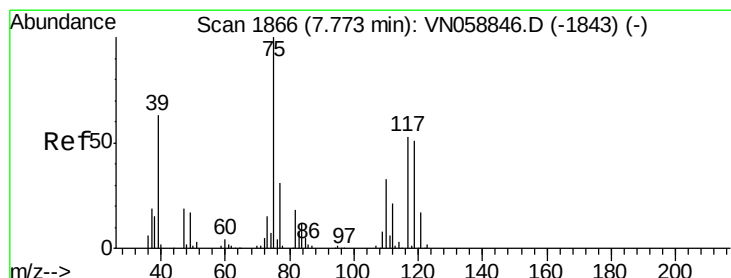
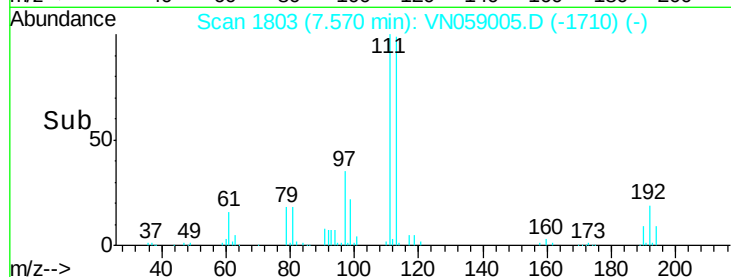
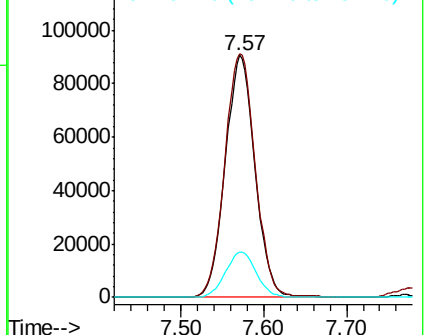
113 100

111 103.4 82.0 123.0

192 19.4 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 20.205 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

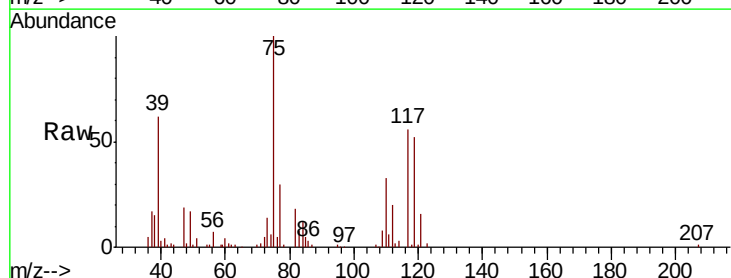
Tgt Ion: 75 Resp: 136427

Ion Ratio Lower Upper

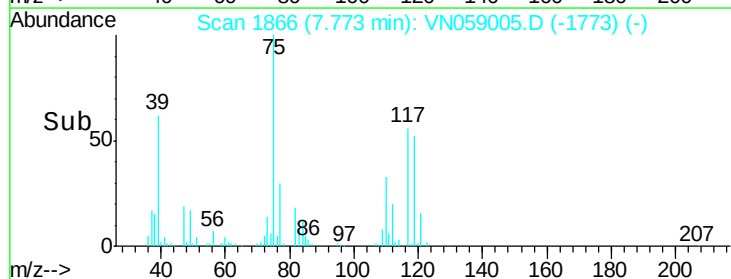
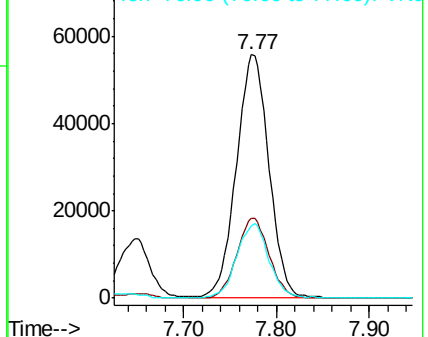
75 100

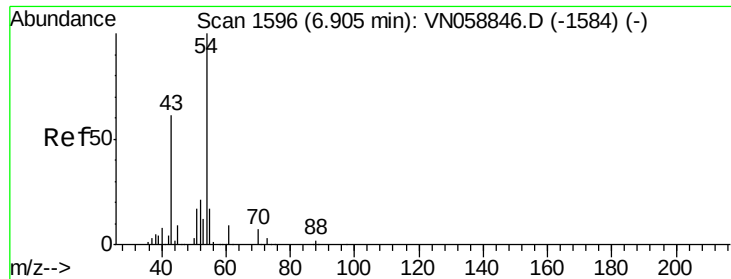
110 32.4 16.3 48.9

77 30.2 24.6 36.8



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

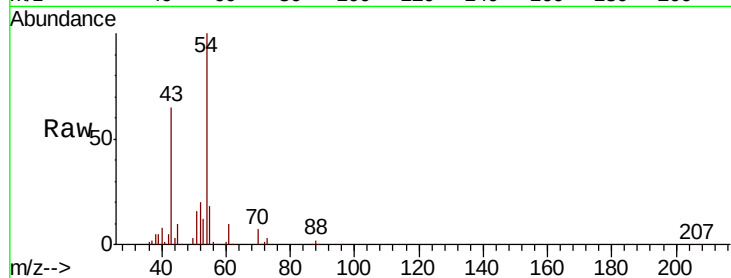




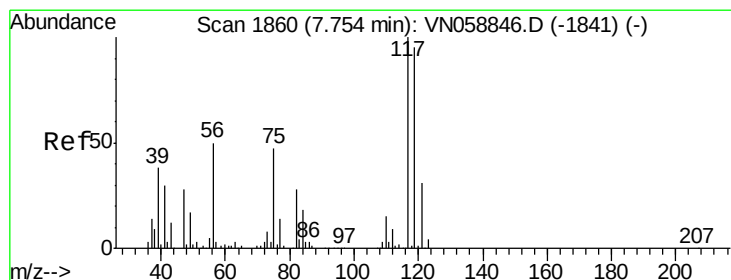
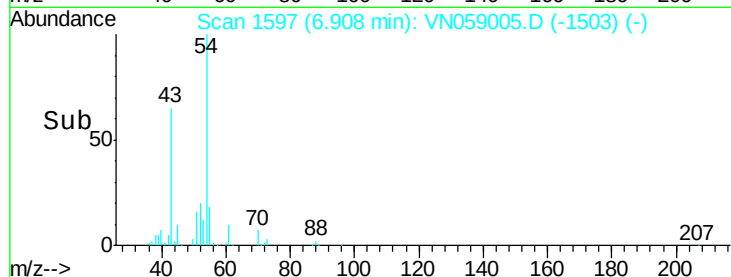
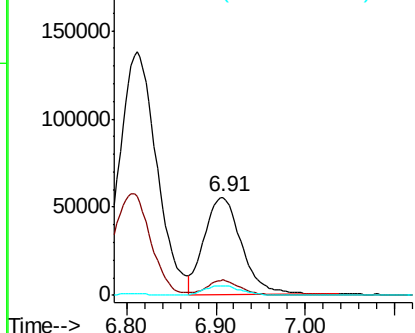
#37
Ethyl Acetate
Concen: 21.810 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 160463
Ion Ratio Lower Upper
43 100
61 13.4 10.5 15.7
70 9.7 7.6 11.4

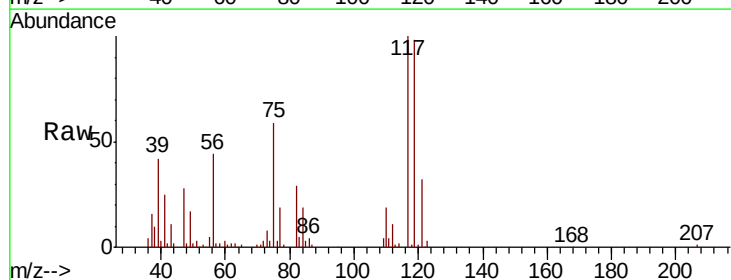


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

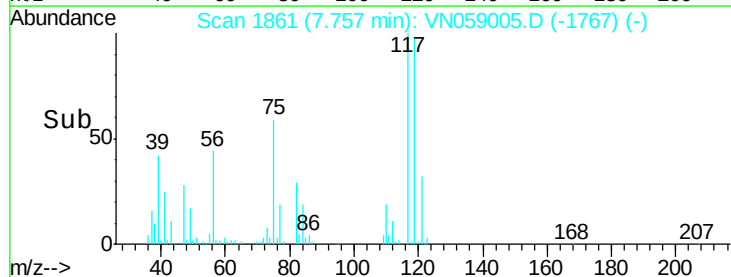
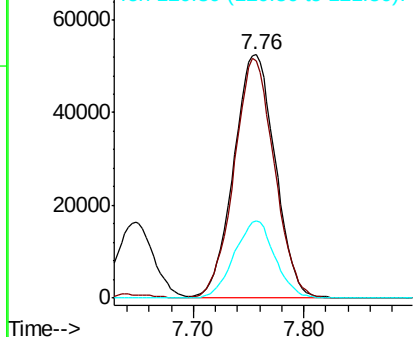


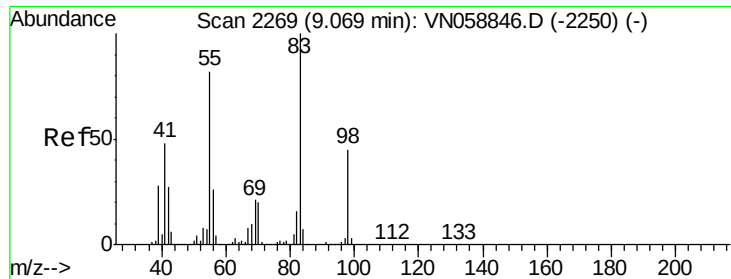
#38
Carbon Tetrachloride
Concen: 19.690 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion: 117 Resp: 136963
Ion Ratio Lower Upper
117 100
119 97.5 75.7 113.5
121 31.9 25.0 37.6



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

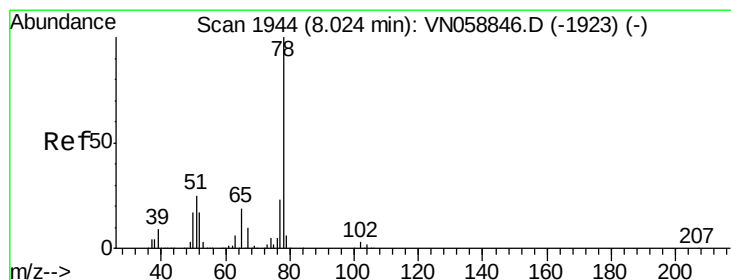
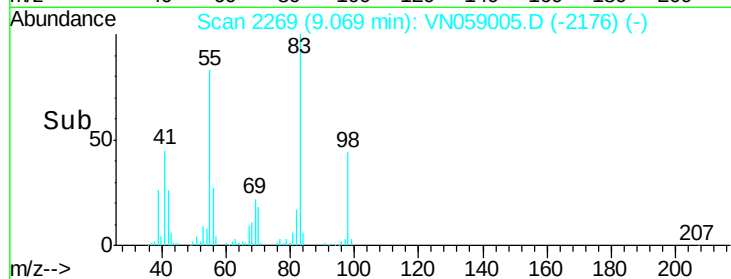
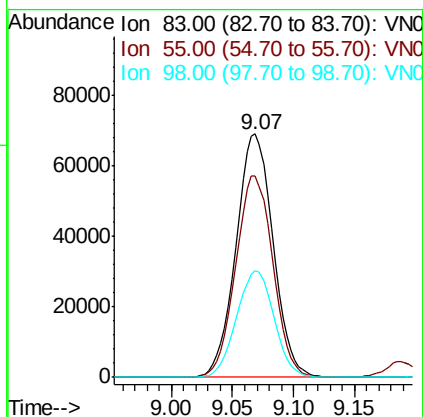
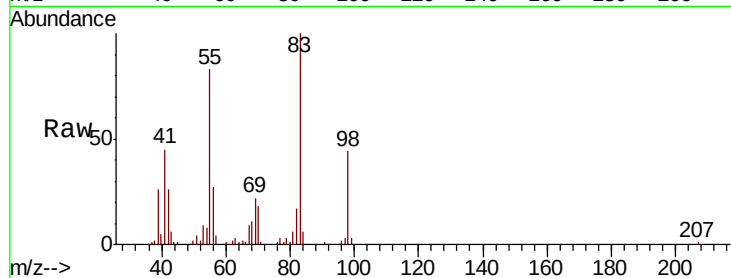




#39
Methylvlcyclohexane
Concen: 19.189 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

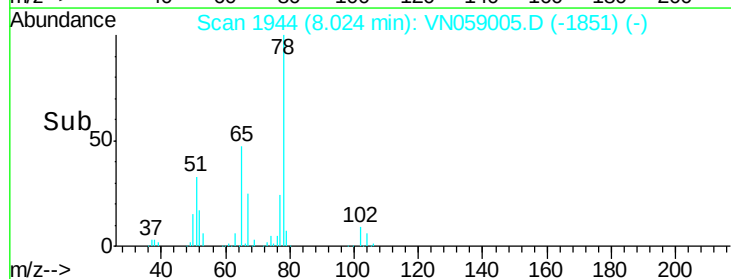
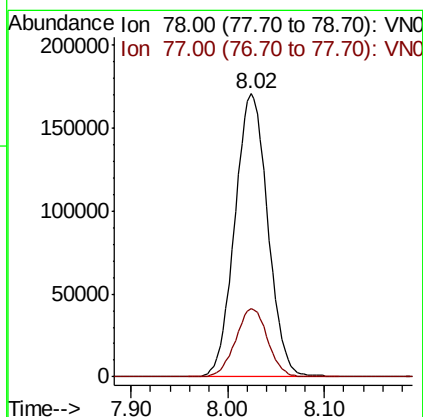
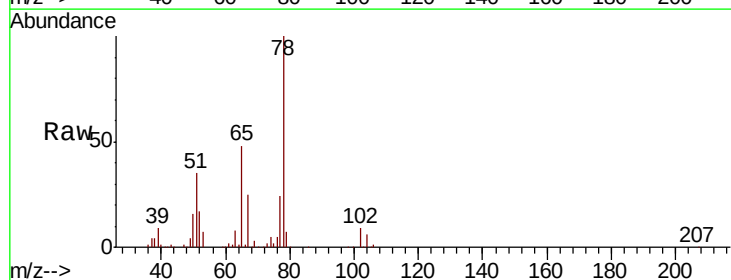
Instrument :
MSVOA_N
ClientSampled :

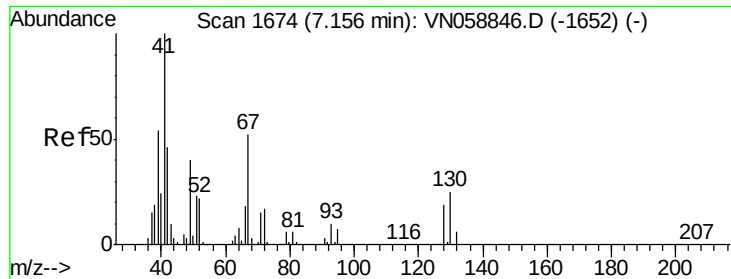
Tot Ion: 83 Resp: 145483
Ion Ratio Lower Upper
83 100
55 82.7 65.5 98.3
98 44.0 35.7 53.5



#40
Benzene
Concen: 20.415 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion: 78 Resp: 404777
Ion Ratio Lower Upper
78 100
77 23.9 18.2 27.2

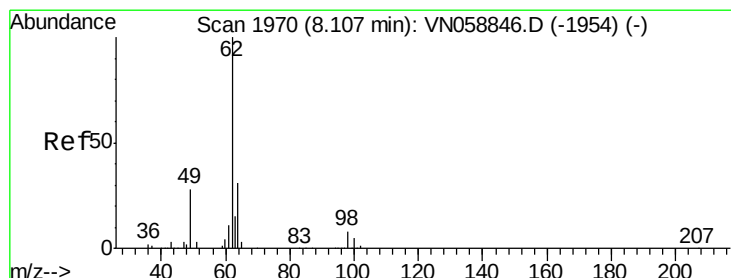
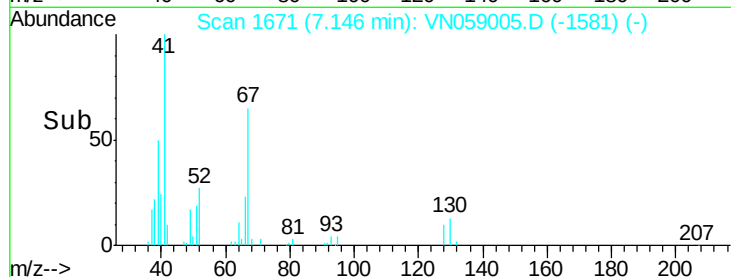
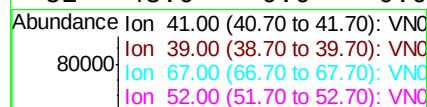
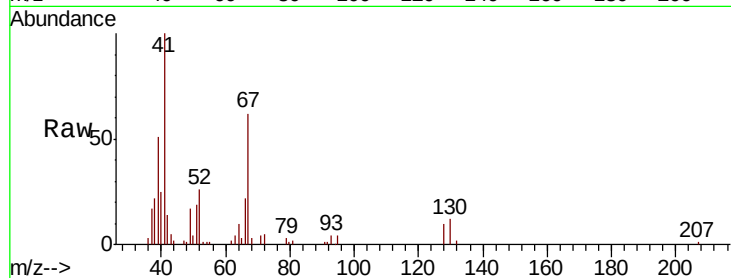




#41
Methacrylonitrile
Concen: 18.080 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

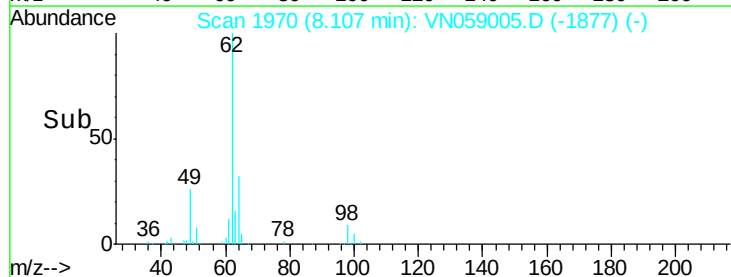
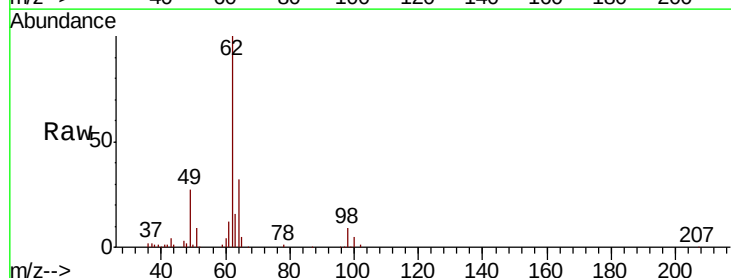
Instrument :
MSVOA_N
ClientSampled :

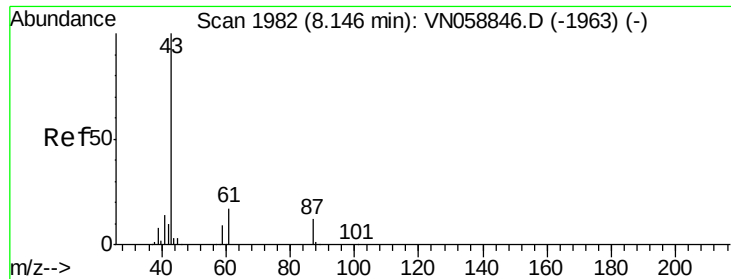
Tot Ion:	41	Resp:	59246
Ion	Ratio	Lower	Upper
41	100		
39	78.2	0.0	0.0#
67	97.5	0.0	0.0#
52	43.0	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 20.066 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion:	62	Resp:	153263
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	16.2



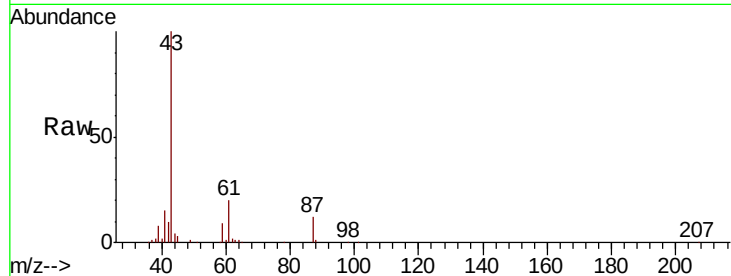


#43

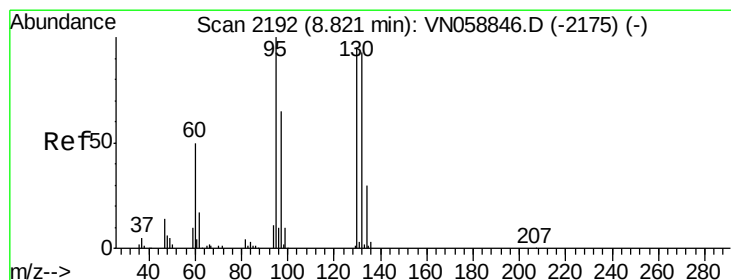
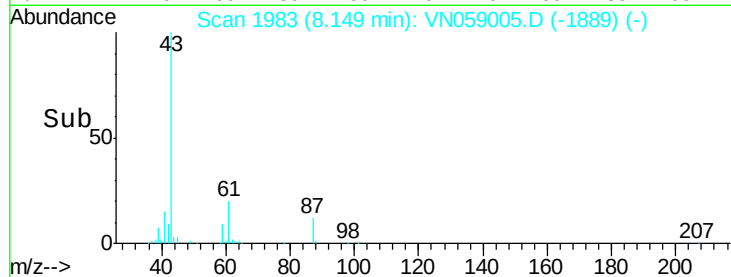
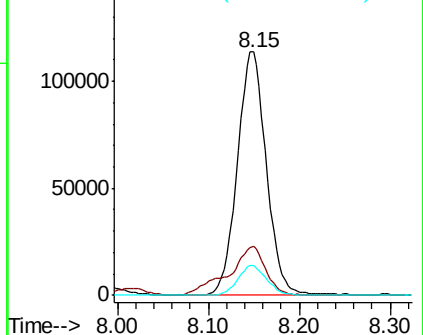
Isopropyl Acetate
 Concen: 21.212 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.9	20.2	30.2
87	12.2	9.5	14.3



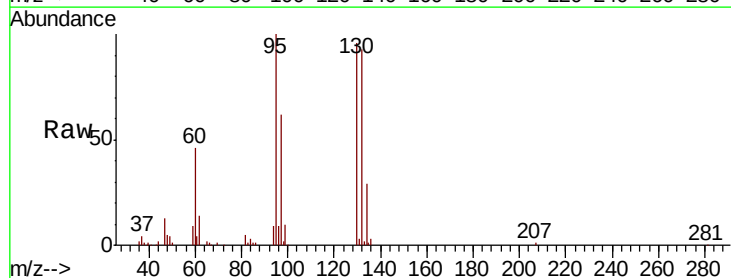
Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)
 Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)
 Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)



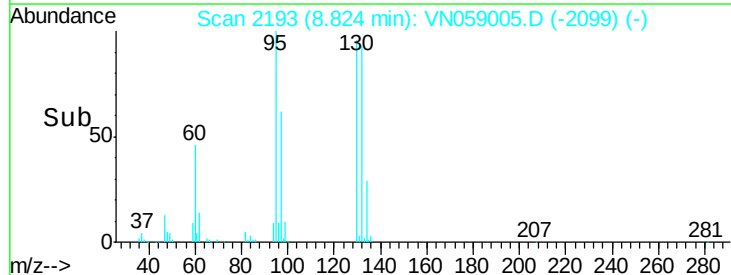
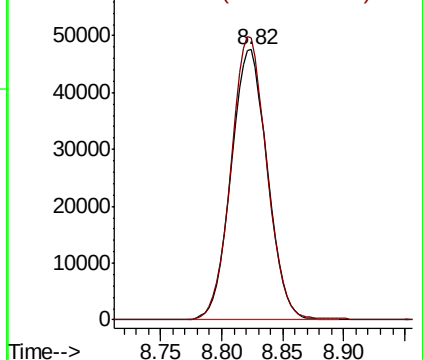
#44

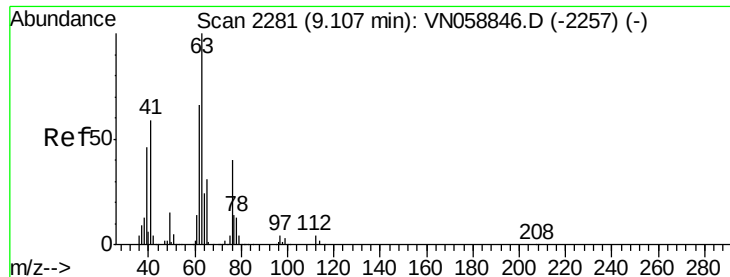
Trichloroethene
 Concen: 20.317 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)
 Ion 94.90 (94.60 to 95.60): VN058846.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 21.275 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

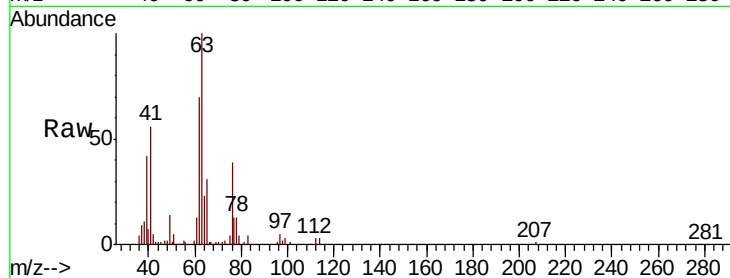
ClientSampled :

Tot Ion: 63 Resp: 115672

Ion Ratio Lower Upper

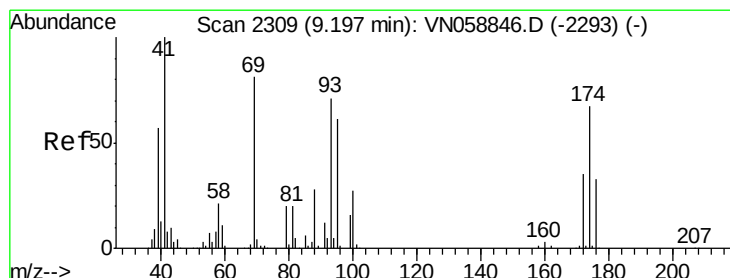
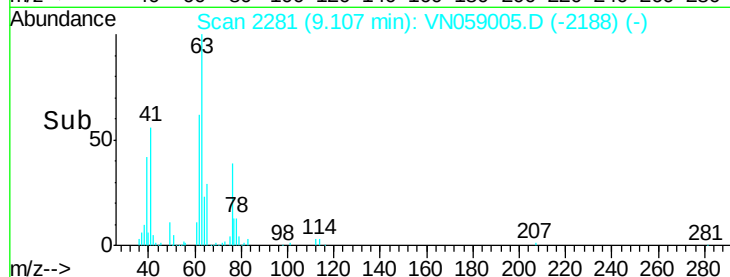
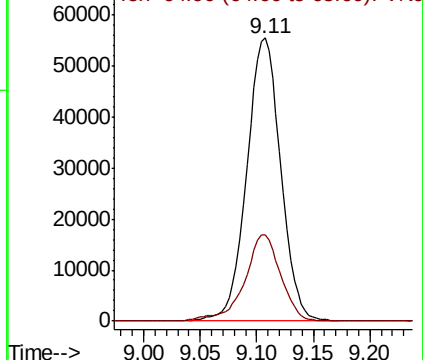
63 100

65 30.7 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.228 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

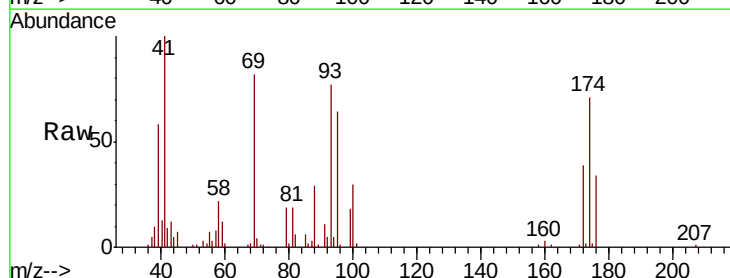
Tgt Ion: 93 Resp: 69526

Ion Ratio Lower Upper

93 100

95 84.3 67.6 101.4

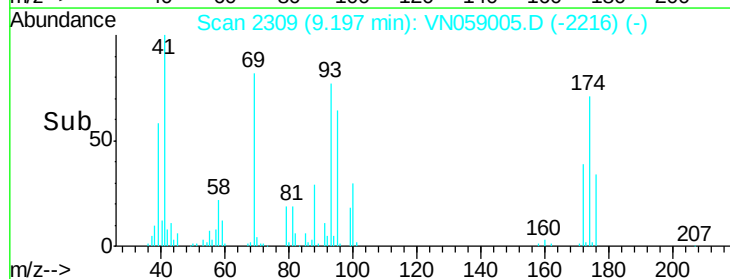
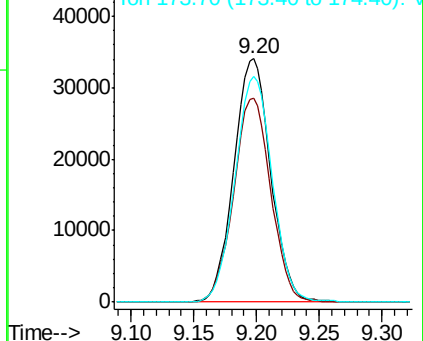
174 93.9 74.1 111.1

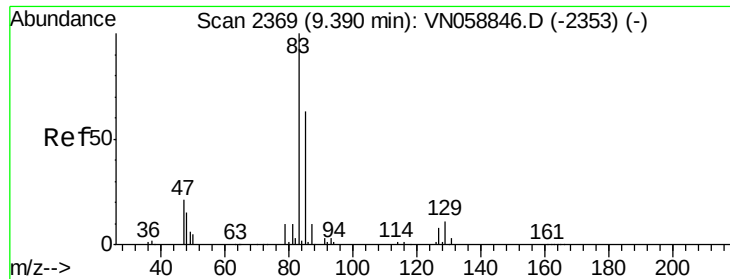


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.447 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

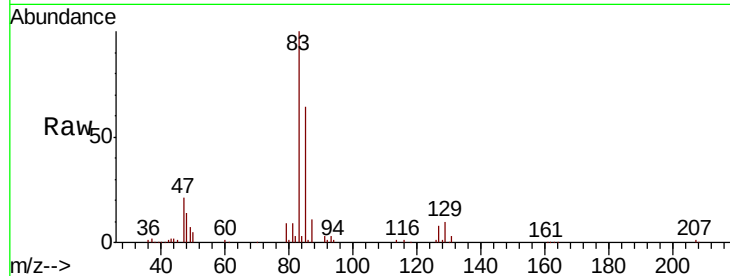
Tot Ion: 83 Resp: 144849

Ion Ratio Lower Upper

83 100

85 63.7 50.6 75.8

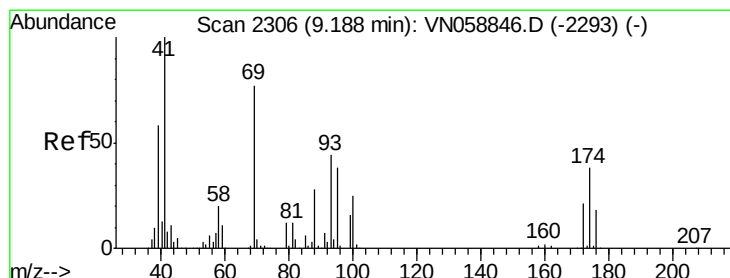
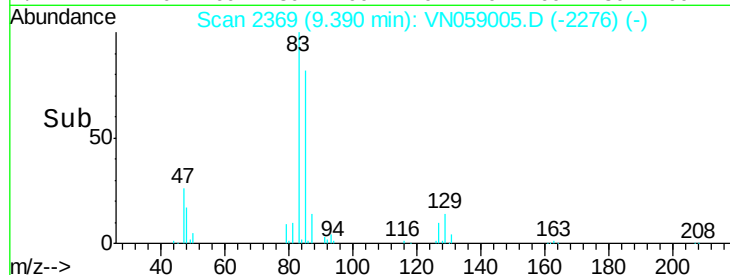
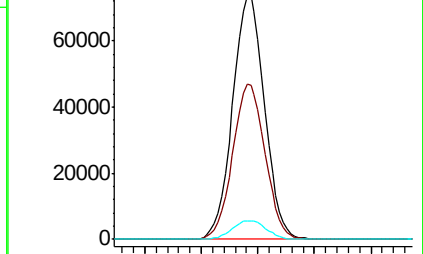
127 7.8 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN059005.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059005.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059005.D (-2276) (-)



#48

Methyl methacrylate

Concen: 20.937 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

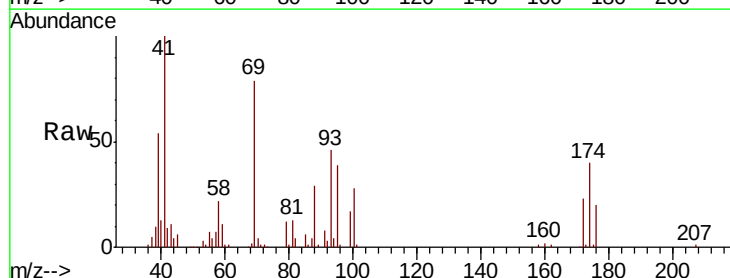
Tgt Ion: 41 Resp: 112087

Ion Ratio Lower Upper

41 100

69 81.5 63.8 95.6

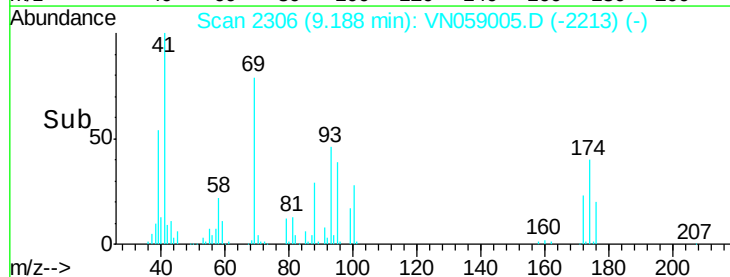
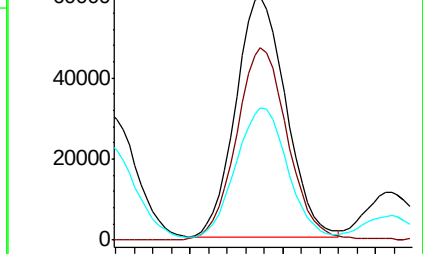
39 57.6 47.8 71.8

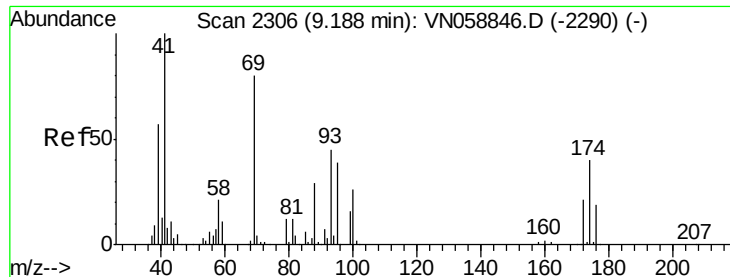


Abundance Ion 41.00 (40.70 to 41.70): VN059005.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN059005.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN059005.D (-2213) (-)

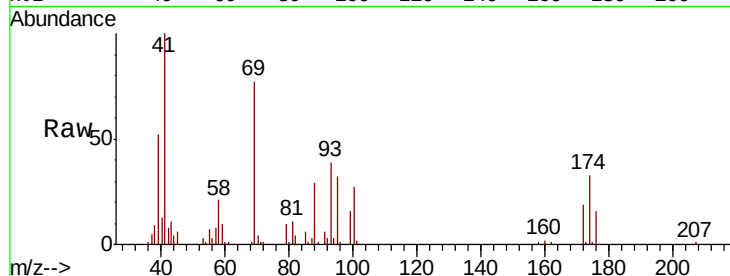




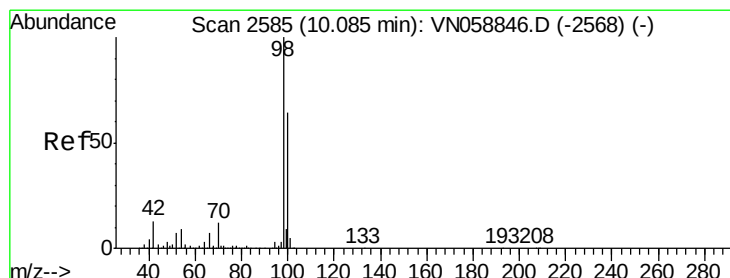
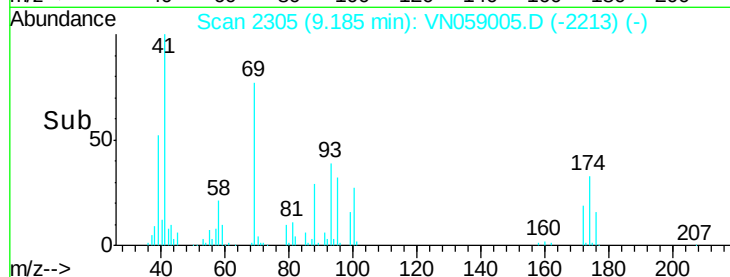
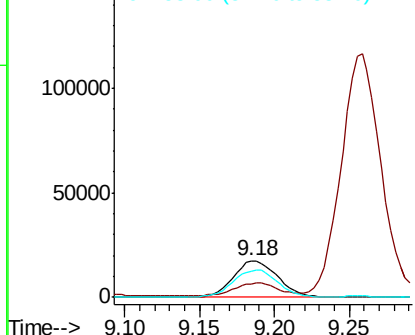
#49
 1,4-Dioxane
 Concen: 411.793 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 36189
 Ion Ratio Lower Upper
 88 100
 43 35.4 29.1 43.7
 58 75.9 59.4 89.0

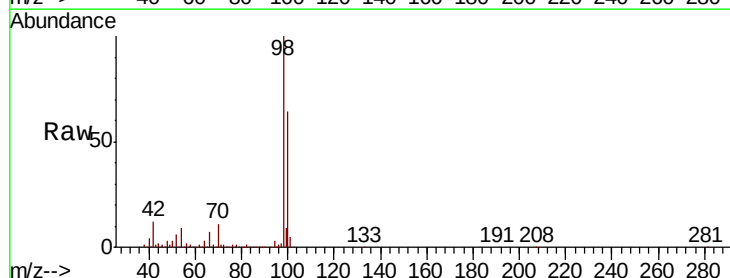


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

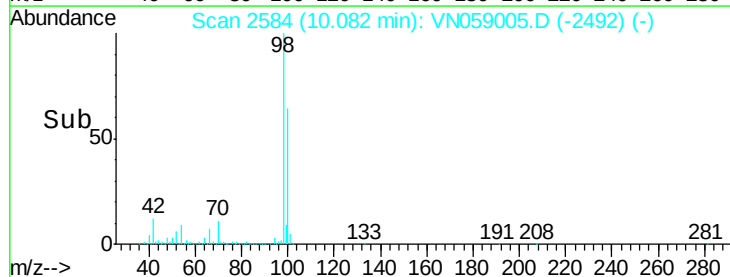
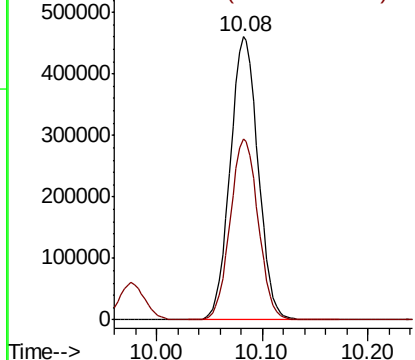


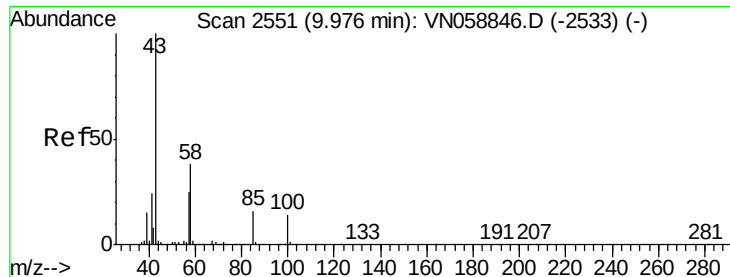
#50
 Toluene-d8
 Concen: 49.997 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion: 98 Resp: 841580
 Ion Ratio Lower Upper
 98 100
 100 64.0 51.4 77.2



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: 117.173 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

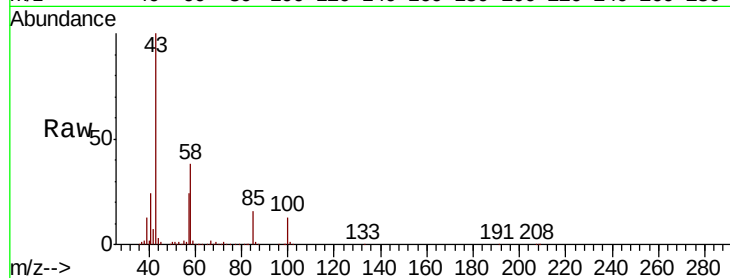
ClientSampleId :

Tot Ion: 43 Resp: 807559

Ion Ratio Lower Upper

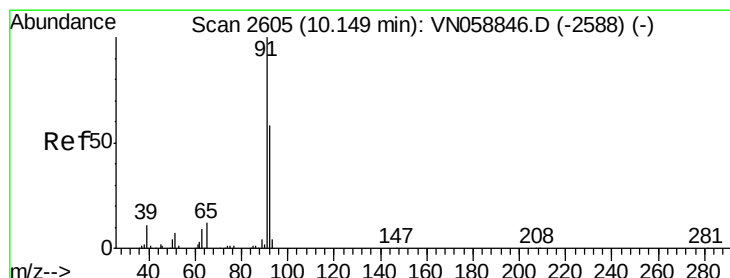
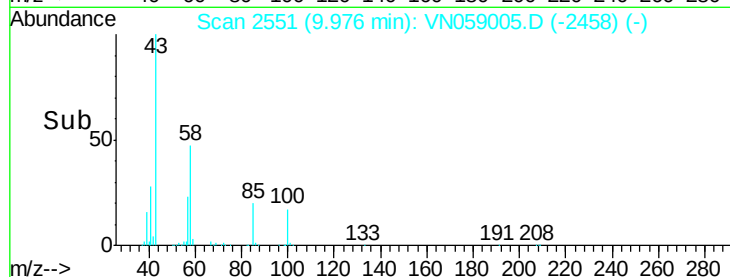
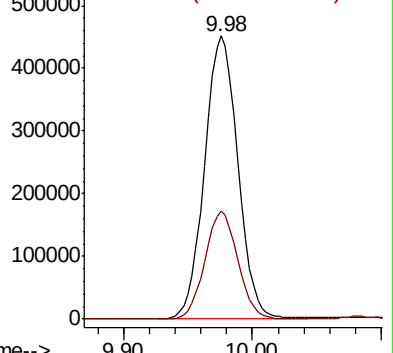
43 100

58 37.8 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 21.032 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN059005.D

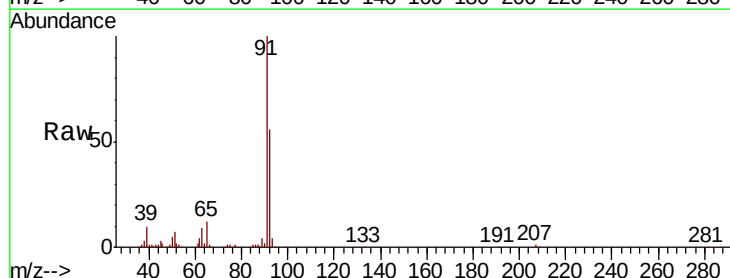
Acq: 29 Oct 2019 13:11

Tgt Ion: 92 Resp: 247300

Ion Ratio Lower Upper

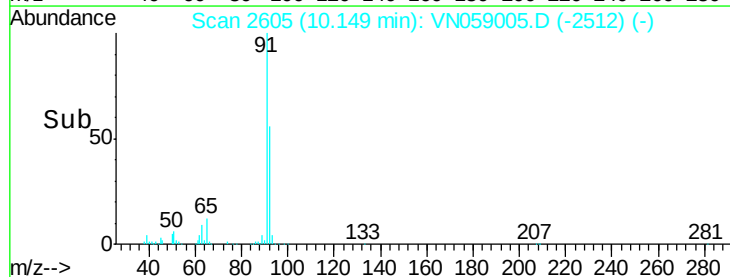
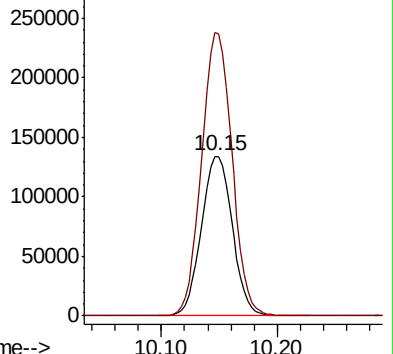
92 100

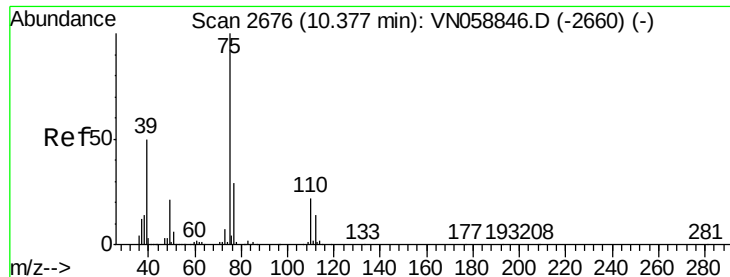
91 174.8 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.610 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

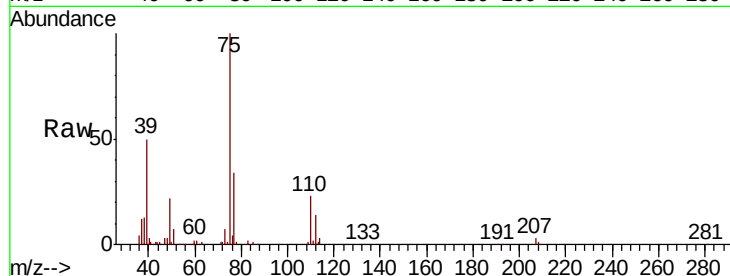
ClientSampled :

Tot Ion: 75 Resp: 161632

Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

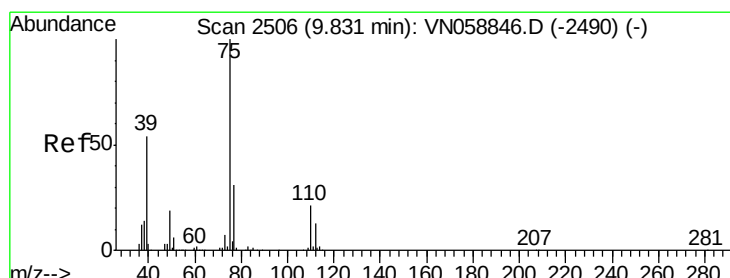
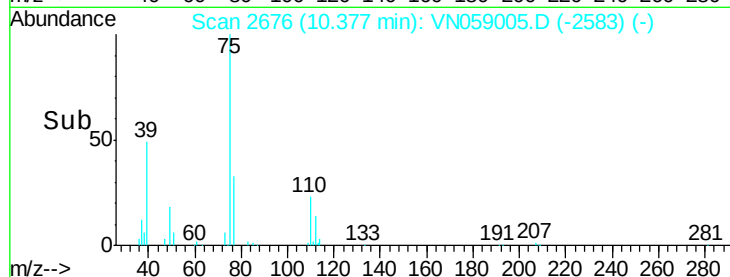
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.981 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

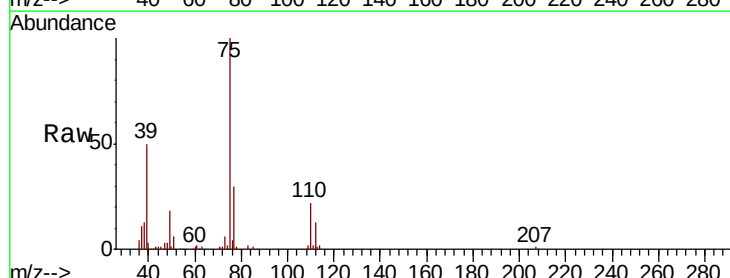
Tgt Ion: 75 Resp: 175790

Ion Ratio Lower Upper

75 100

77 30.0 24.7 37.1

39 50.0 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

120000

100000

80000

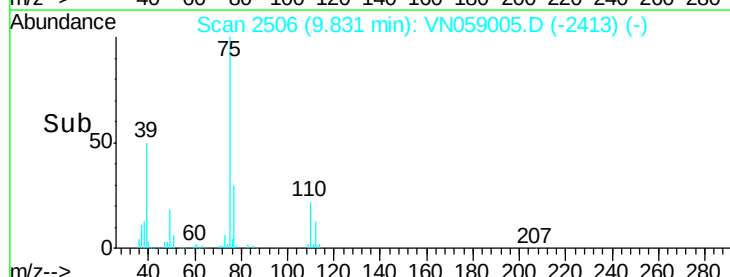
60000

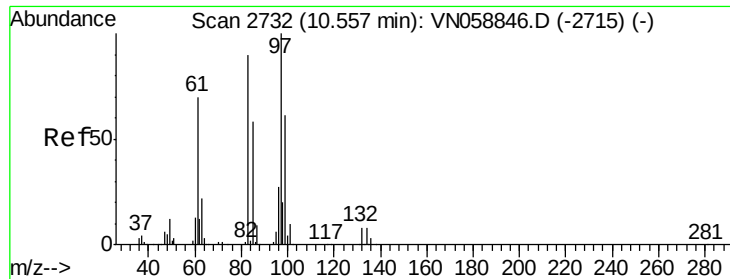
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.943 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

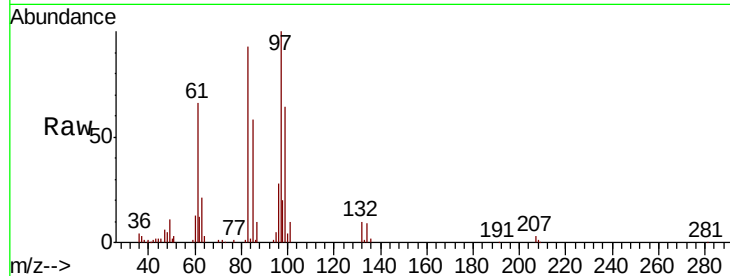
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 101444

Ion	Ratio	Lower	Upper
97	100		
83	93.0	72.2	108.4
85	58.5	46.2	69.2
99	63.9	48.7	73.1



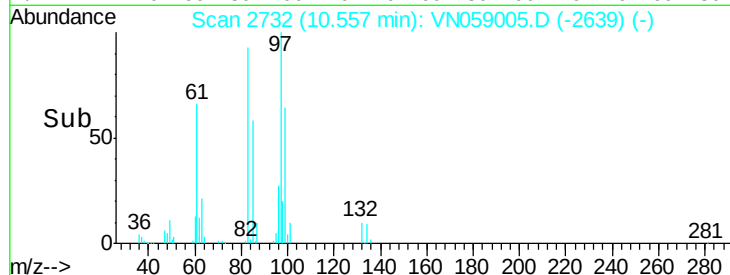
Abundance

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



Time-->

10.56

80000

60000

40000

20000

0

10.50 10.55 10.60

10.56

10.56

10.56

10.56

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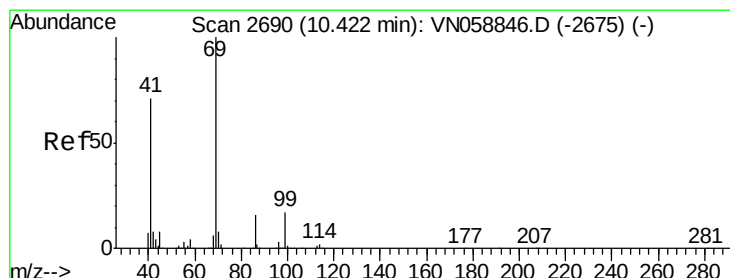
10.56

10.56

10.56

10.56

10.56



#56

Ethyl methacrylate

Concen: 20.242 ug/l

RT: 10.42 min Scan# 2690

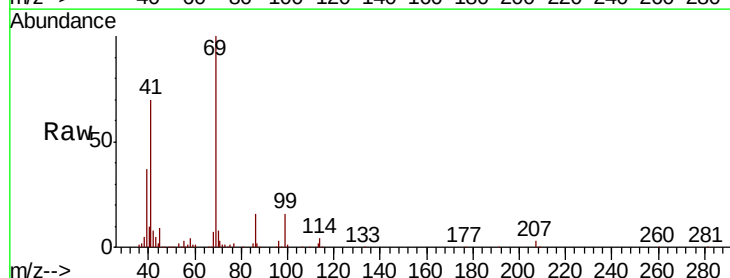
Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Tgt Ion: 69 Resp: 154095

Ion	Ratio	Lower	Upper
69	100		
41	69.3	57.2	85.8
39	37.5	31.0	46.4

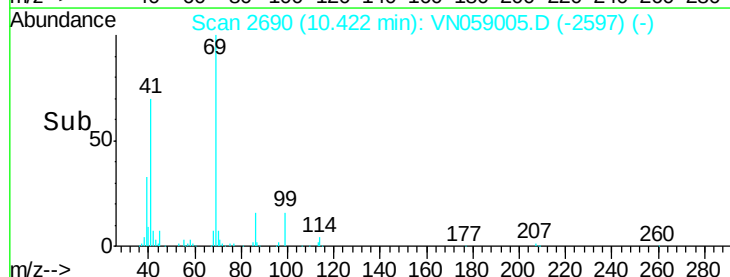


Abundance

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



Time-->

10.42

120000

100000

80000

60000

40000

20000

0

10.40 10.42 10.44

10.42

10.42

10.42

10.42

10.42

10.42

10.42

10.42

10.42

10.42

10.42

10.42

10.42

10.42

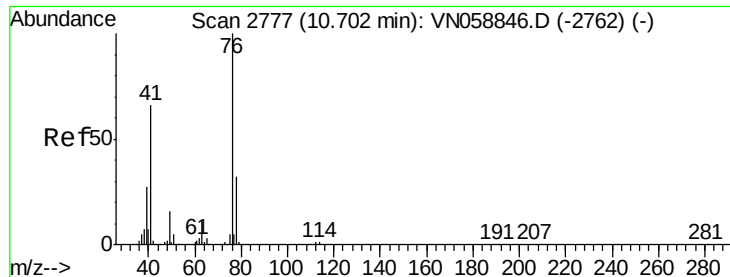
10.42

10.42

10.42

10.42

10.42



#57

1,3-Dichloropropane

Concen: 21.104 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

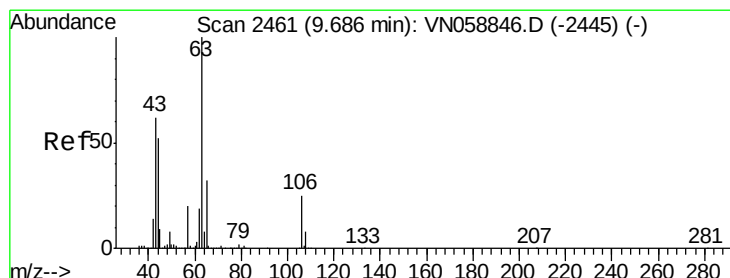
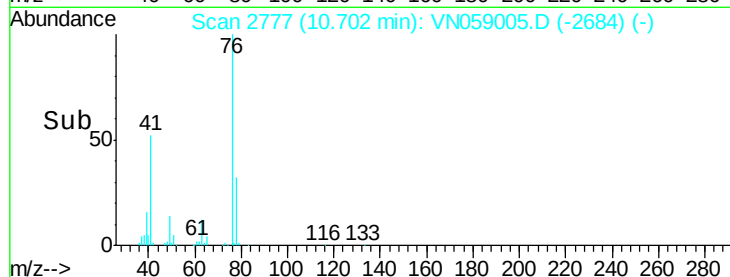
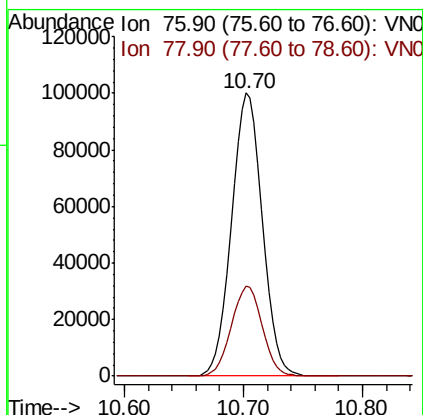
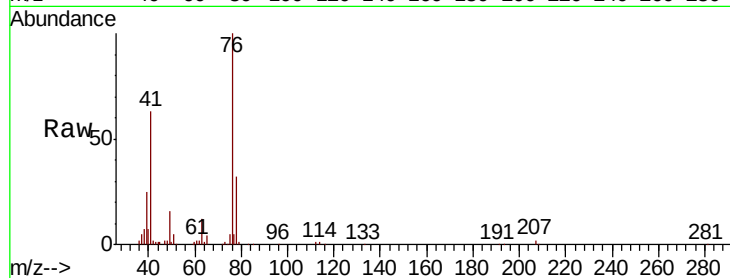
ClientSampled :

Tot Ion: 76 Resp: 179414

Ion Ratio Lower Upper

76 100

78 32.2 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 91.055 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059005.D

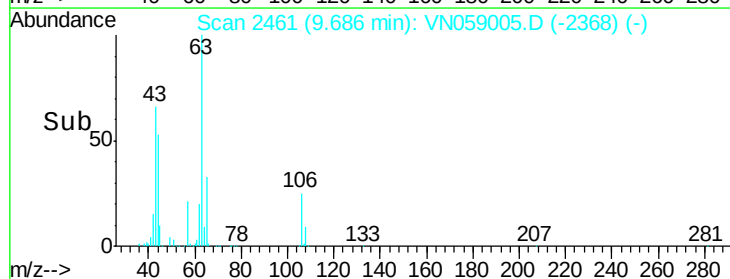
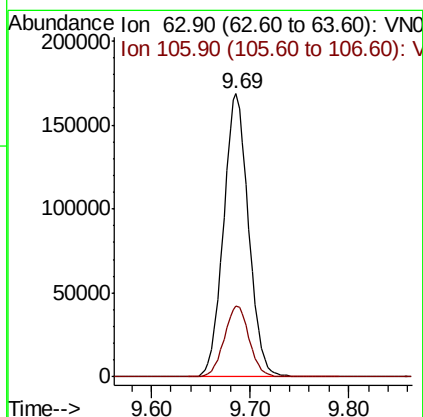
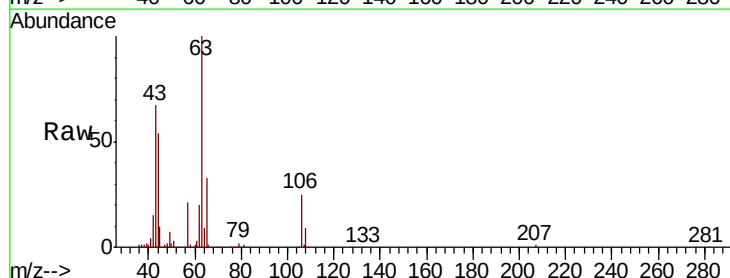
Acq: 29 Oct 2019 13:11

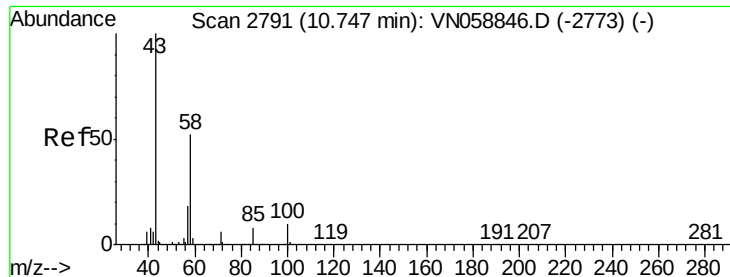
Tgt Ion: 63 Resp: 300194

Ion Ratio Lower Upper

63 100

106 25.0 19.8 29.8

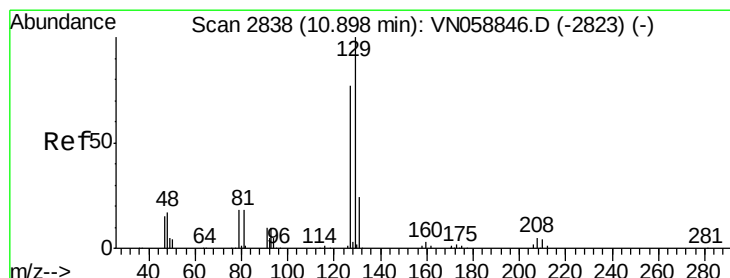
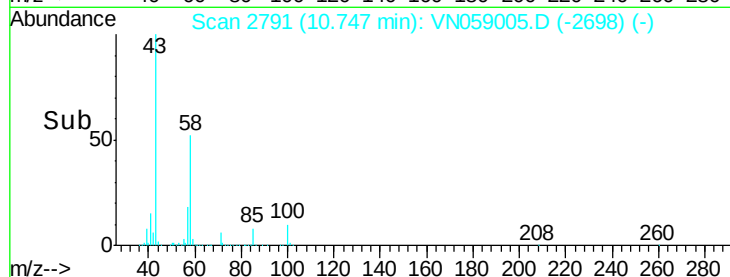
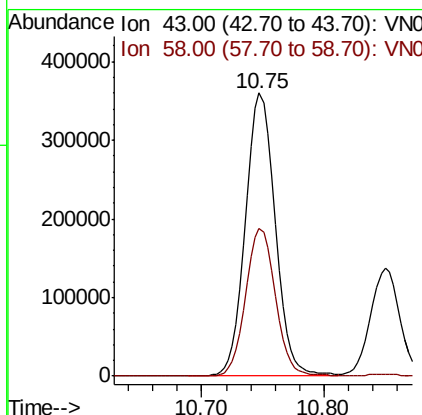
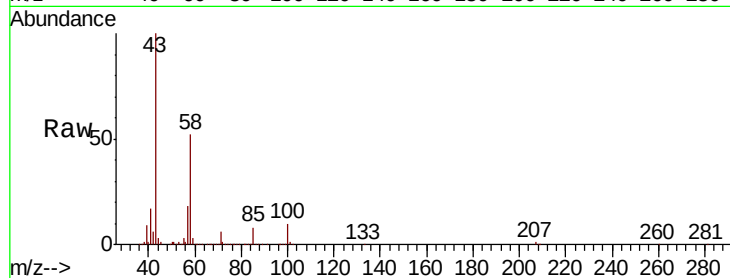




#59
2-Hexanone
Concen: 112.892 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

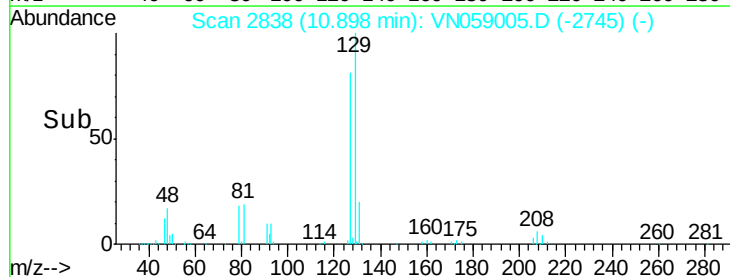
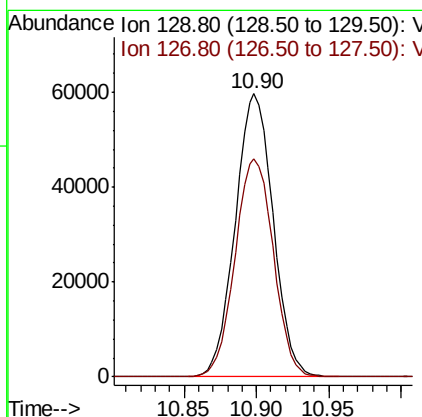
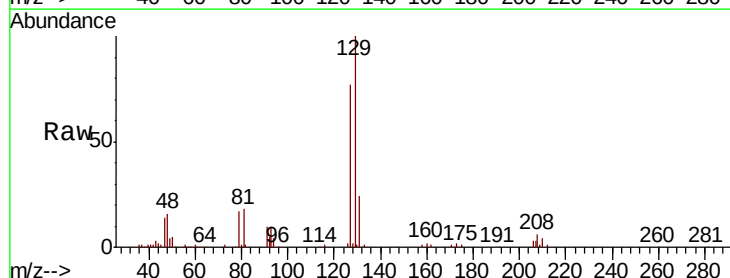
Instrument :
MSVOA_N
ClientSampled :

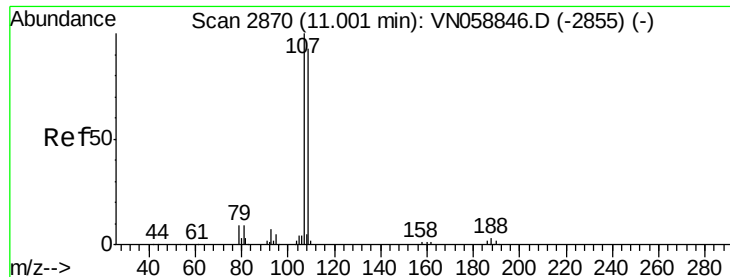
Tot Ion: 43 Resp: 601228
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.7



#60
Dibromochloromethane
Concen: 20.839 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion: 129 Resp: 108647
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.3





#61

1,2-Dibromoethane

Concen: 20.574 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

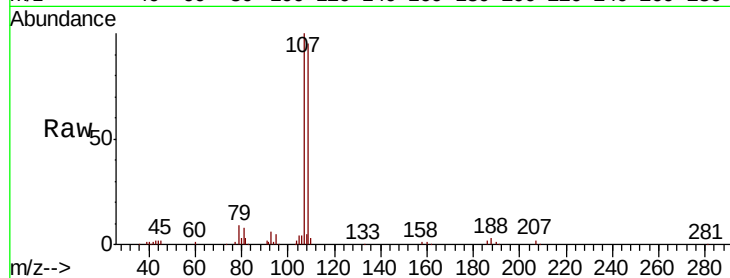
ClientSampleId :

Tot Ion: 107 Resp: 101985

Ion Ratio Lower Upper

107 100

109 95.5 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

60000

50000

40000

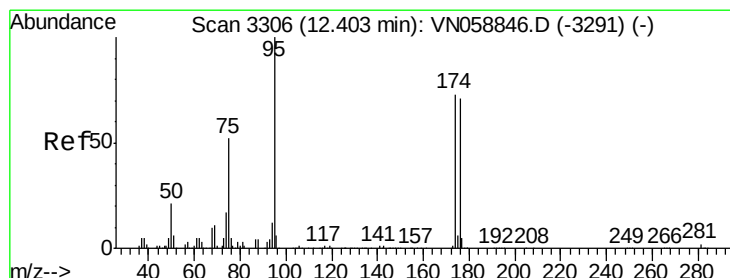
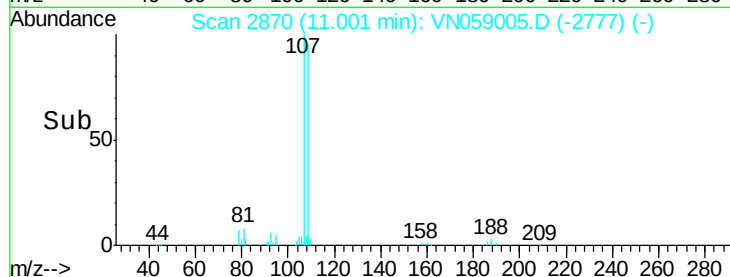
30000

20000

10000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.574 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

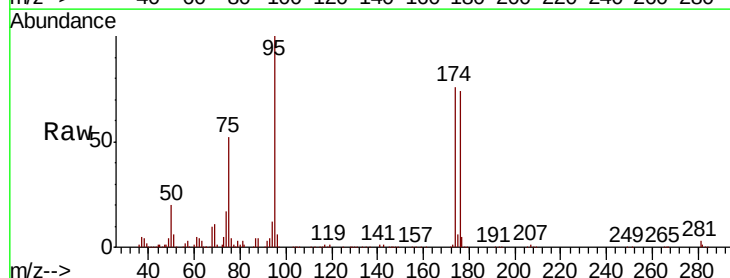
Tgt Ion: 95 Resp: 306435

Ion Ratio Lower Upper

95 100

174 75.7 0.0 147.6

176 74.1 0.0 143.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

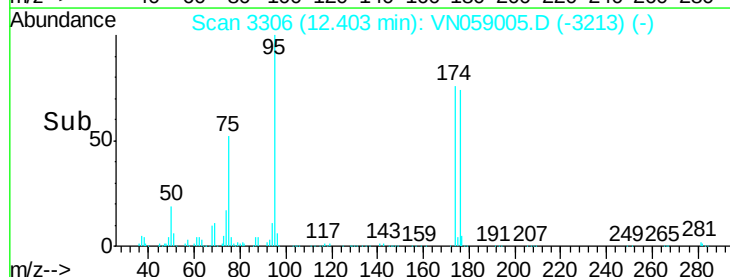
150000

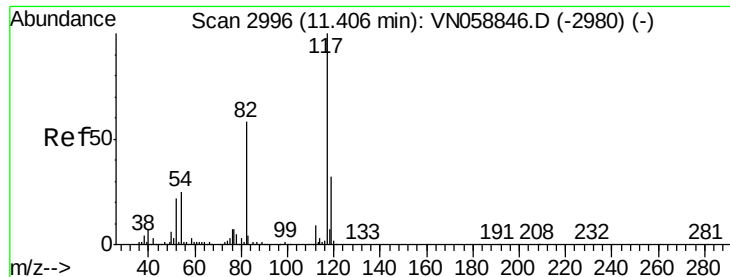
100000

50000

0

Time--> 12.35 12.40 12.45

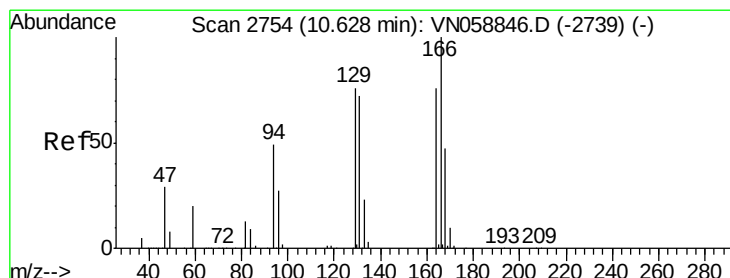
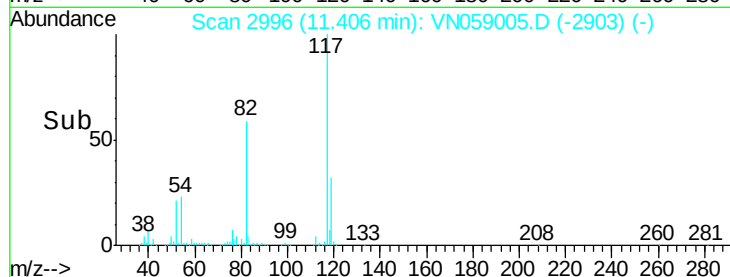
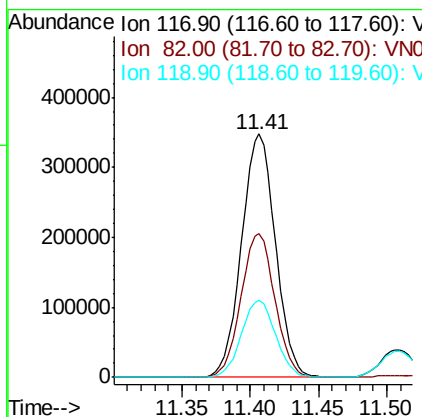
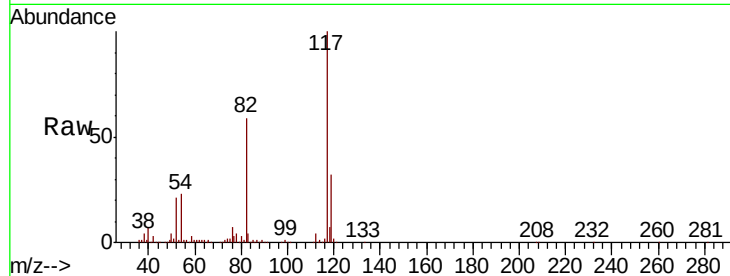




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

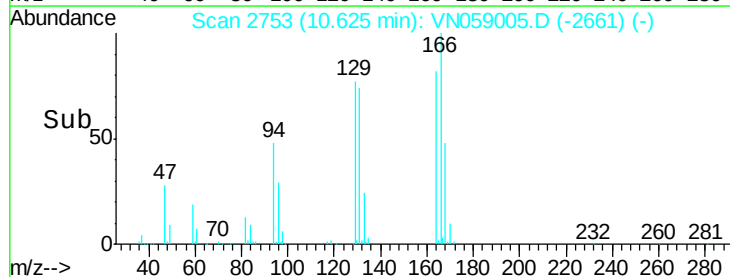
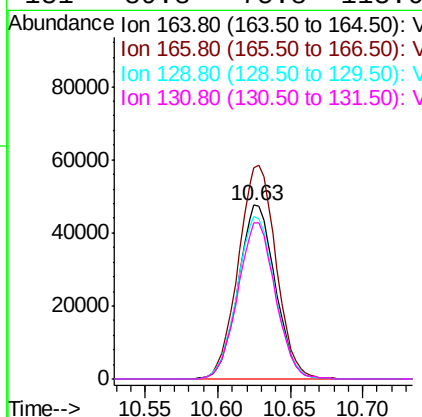
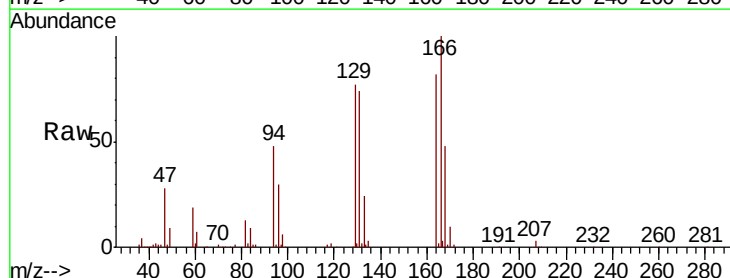
Instrument :
MSVOA_N
ClientSampleId :

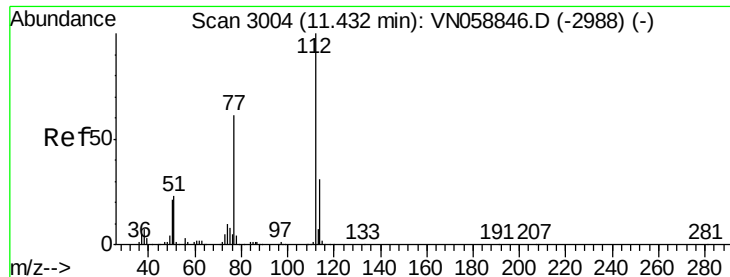
Tot Ion:117 Resp: 599900
Ion Ratio Lower Upper
117 100
82 59.3 46.6 69.8
119 31.6 25.6 38.4



#64
Tetrachloroethene
Concen: 20.067 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion:164 Resp: 84308
Ion Ratio Lower Upper
164 100
166 121.7 104.8 157.2
129 93.5 79.3 118.9
131 89.8 75.8 113.6

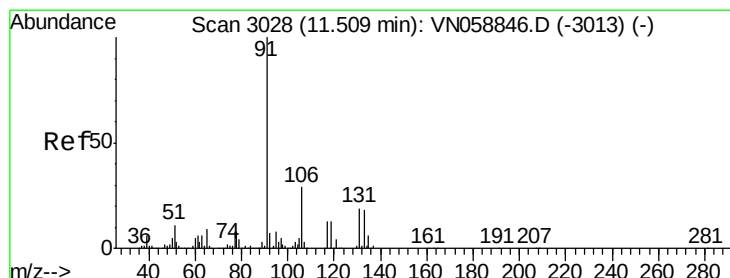
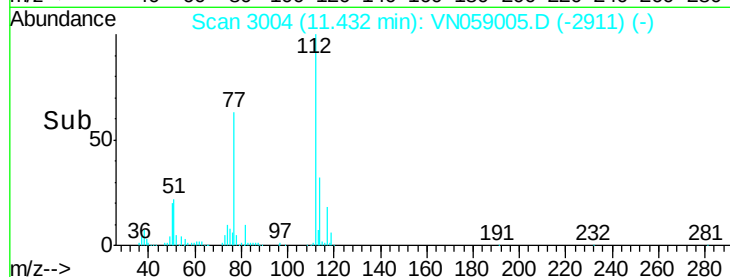
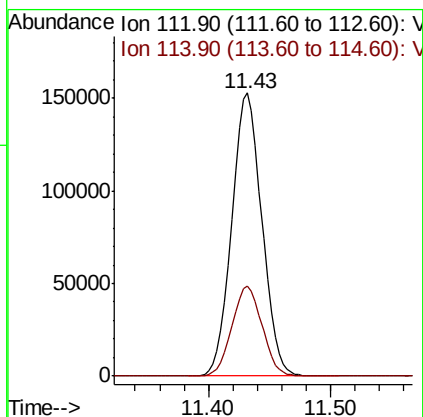
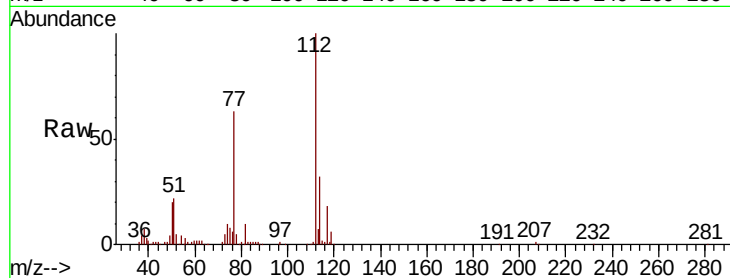




#65
Chlorobenzene
Concen: 21.449 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

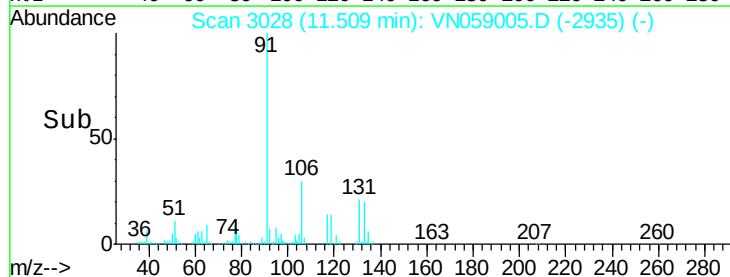
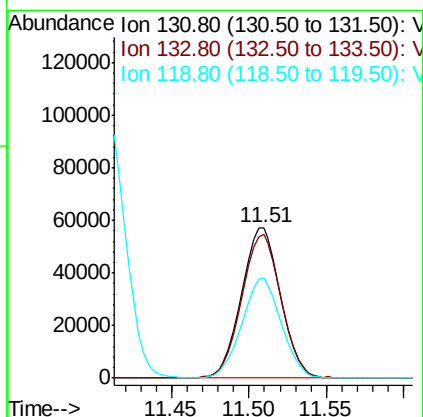
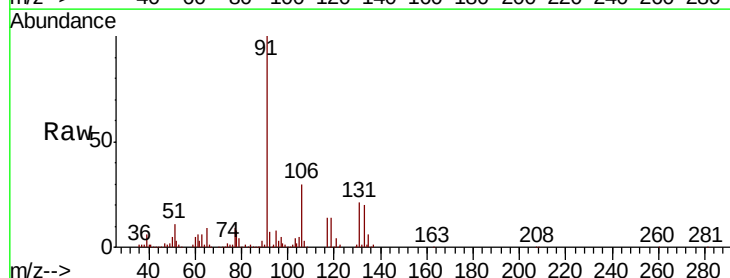
Instrument :
MSVOA_N
ClientSampleId :

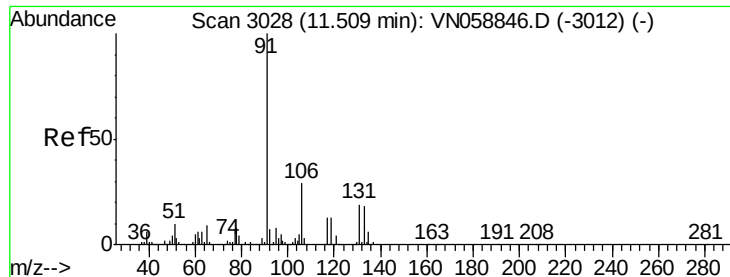
Tot Ion:112 Resp: 261958
Ion Ratio Lower Upper
112 100
114 31.8 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.774 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion:131 Resp: 100352
Ion Ratio Lower Upper
131 100
133 96.7 48.4 145.2
119 67.3 33.6 100.8





#67

Ethyl Benzene

Concen: 21.789 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

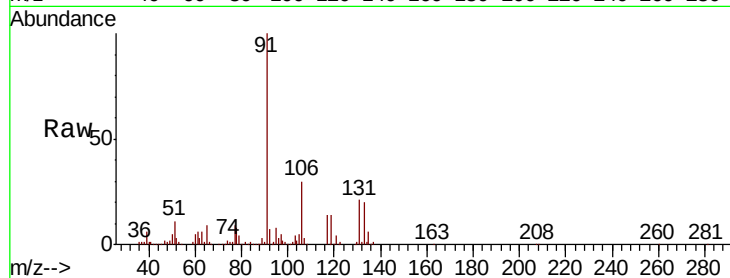
ClientSampled :

Tot Ion: 91 Resp: 466825

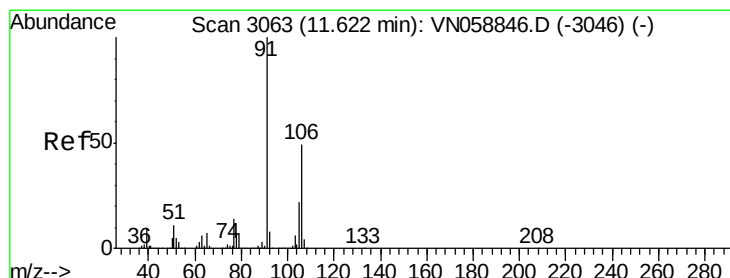
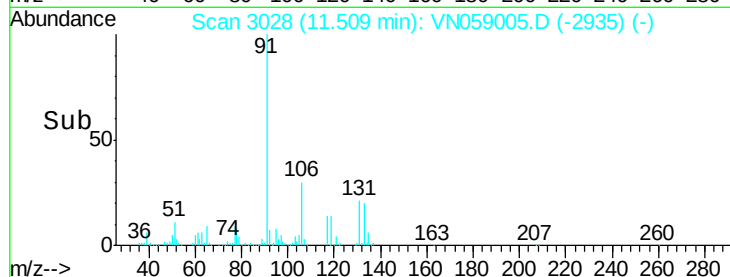
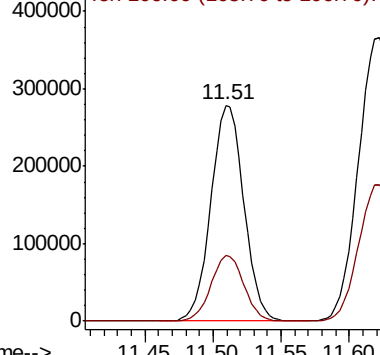
Ion Ratio Lower Upper

91 100

106 30.4 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3012) (-)



#68

m/p-Xylenes

Concen: 43.222 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059005.D

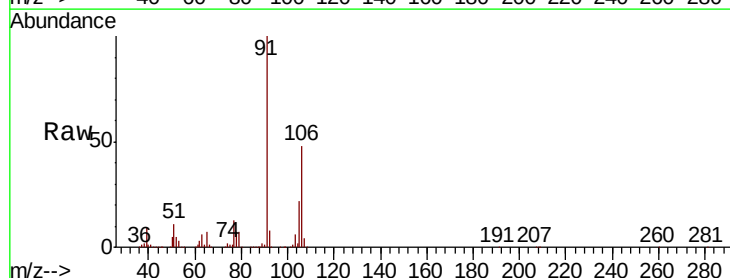
Acq: 29 Oct 2019 13:11

Tgt Ion: 106 Resp: 343413

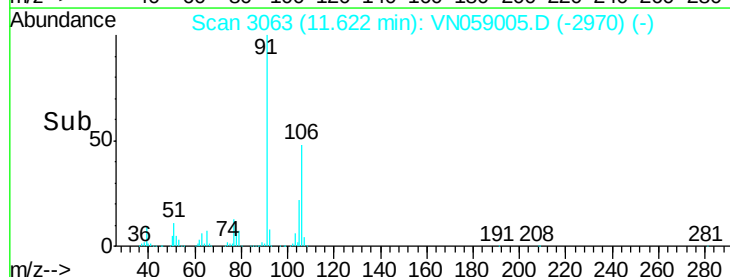
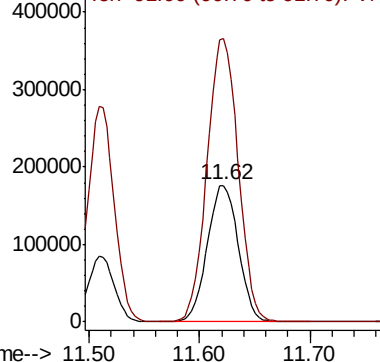
Ion Ratio Lower Upper

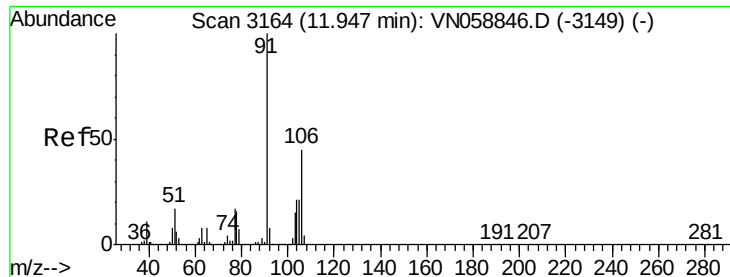
106 100

91 208.2 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058846.D (-3046) (-)





#69

o-Xylene

Concen: 21.534 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

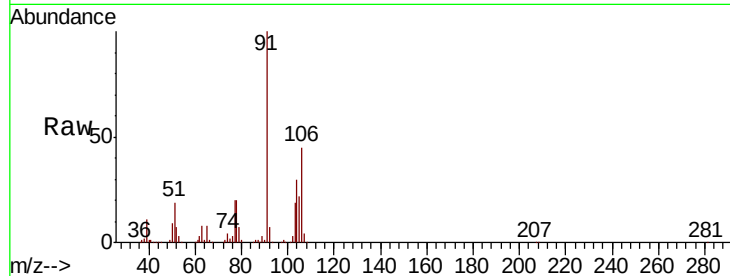
ClientSampled :

Tot Ion:106 Resp: 163177

Ion Ratio Lower Upper

106 100

91 221.4 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

250000

200000

150000

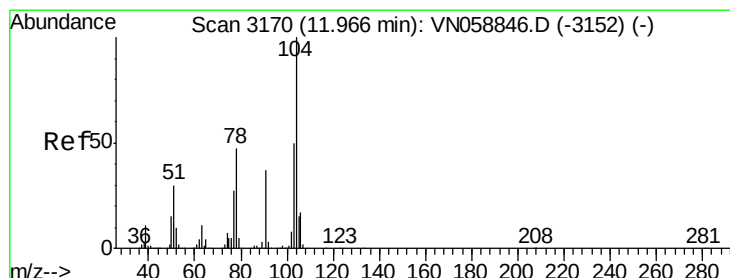
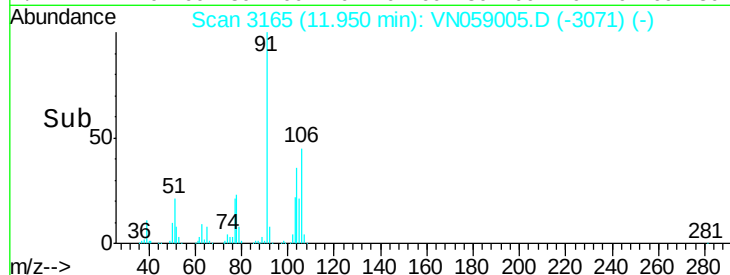
100000

50000

0

11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 20.156 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

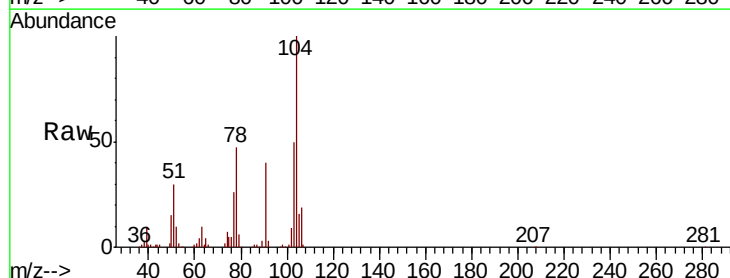
Tgt Ion:104 Resp: 267116

Ion Ratio Lower Upper

104 100

78 53.1 42.8 64.2

103 54.8 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

200000

150000

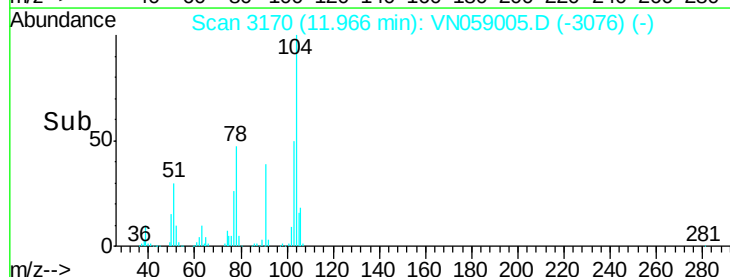
100000

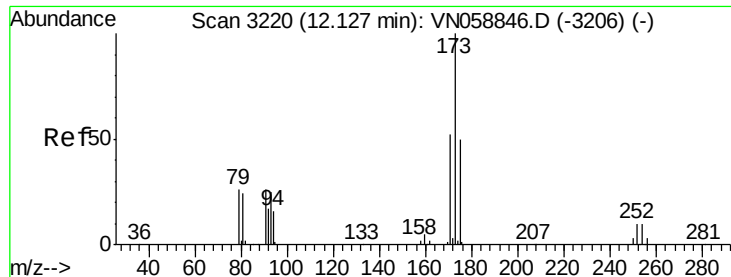
50000

0

11.90 11.95 12.00 12.10

Time-->





#71

Bromoform

Concen: 21.550 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

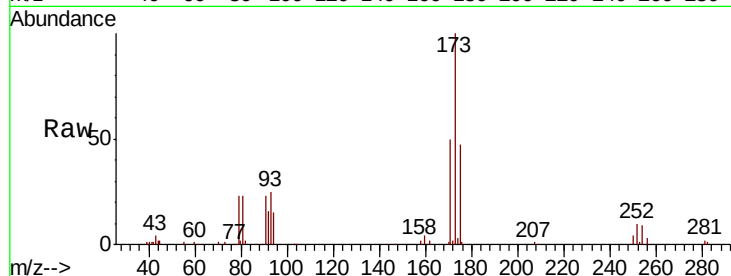
Tot Ion:173 Resp: 77016

Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.7	74.1
254	0.0	0.0	0.0

173 100

175 47.7 24.7 74.1

254 0.0 0.0 0.0

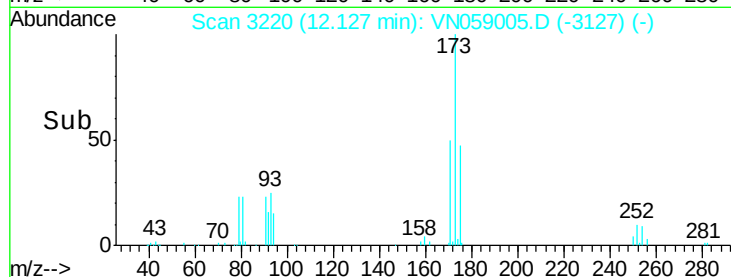


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

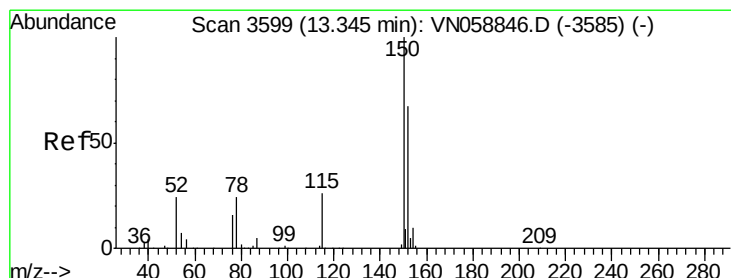
Ion 254.40 (254.10 to 255.10): V

Time-->



12.13

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

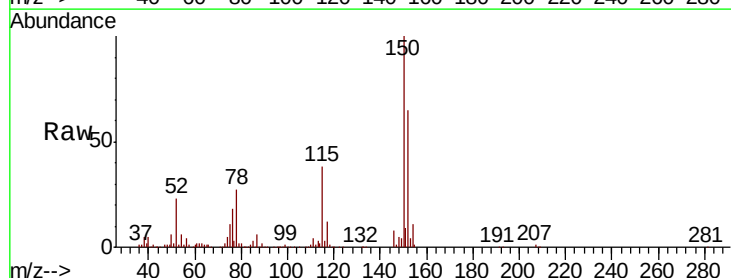
Tgt Ion:152 Resp: 281345

Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.5	91.5
150	161.9	0.0	344.4

152 100

115 59.3 30.5 91.5

150 161.9 0.0 344.4

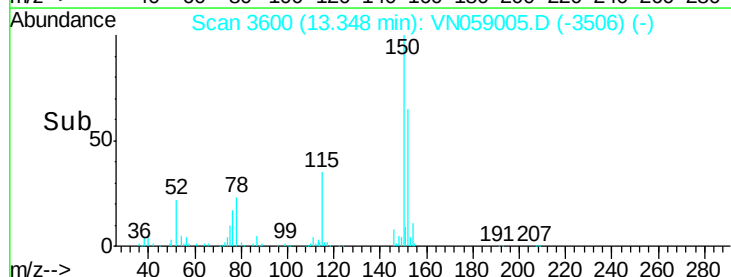


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

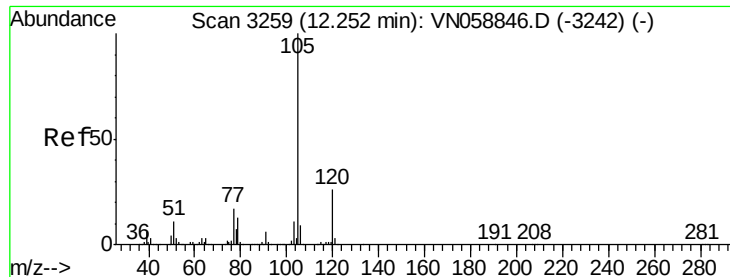
Ion 149.90 (149.60 to 150.60): V

Time-->



13.35

Time-->



#73

Isopropylbenzene

Concen: 21.771 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

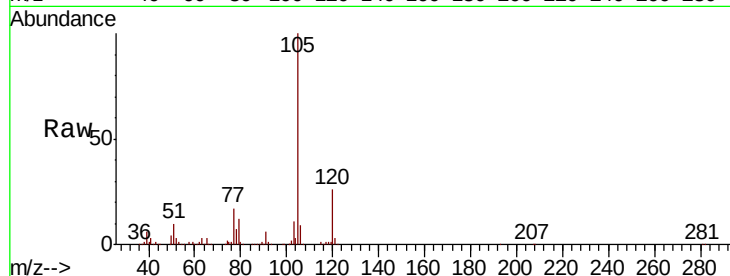
ClientSampleId :

Tot Ion:105 Resp: 447626

Ion Ratio Lower Upper

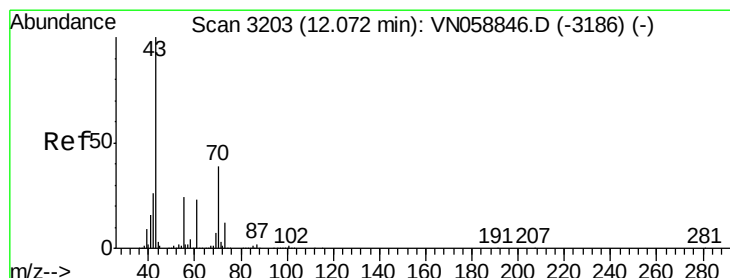
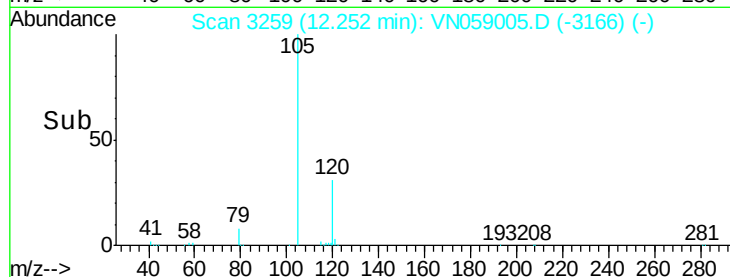
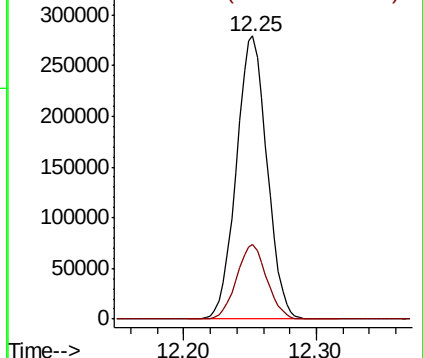
105 100

120 26.0 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.103 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Tgt Ion: 43 Resp: 206035

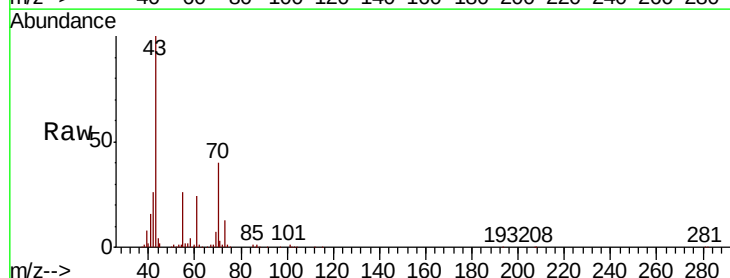
Ion Ratio Lower Upper

43 100

70 39.9 30.9 46.3

55 26.1 19.7 29.5

61 23.7 18.2 27.4

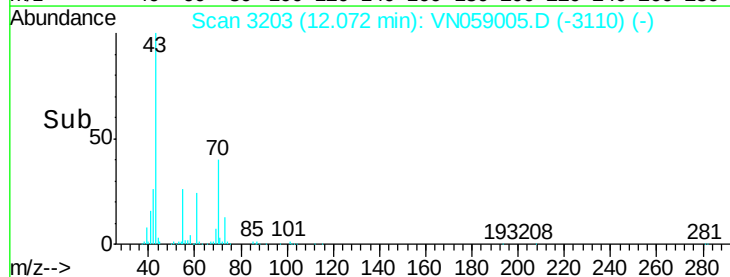
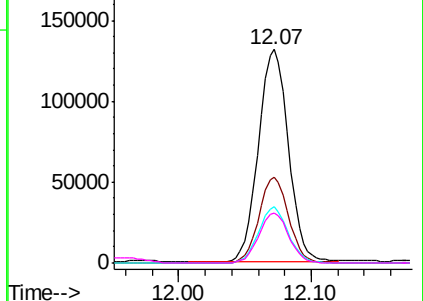


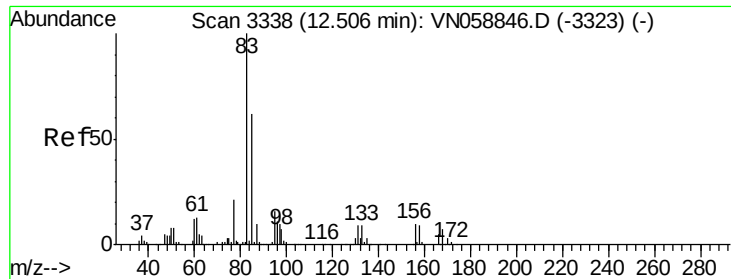
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.294 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

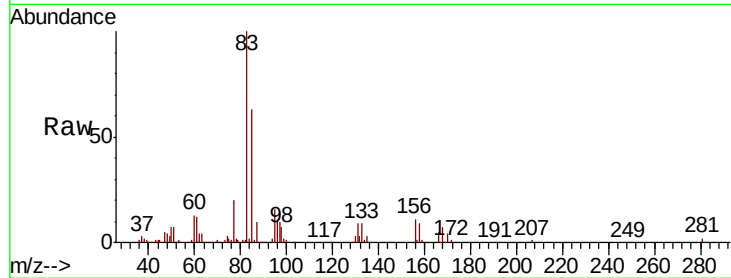
Tot Ion: 83 Resp: 161178

Ion Ratio Lower Upper

83 100

131 9.9 4.7 14.1

85 63.9 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN058846.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-3323) (-)

12.51

100000

80000

60000

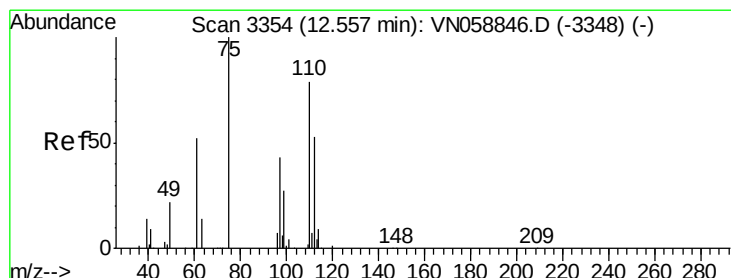
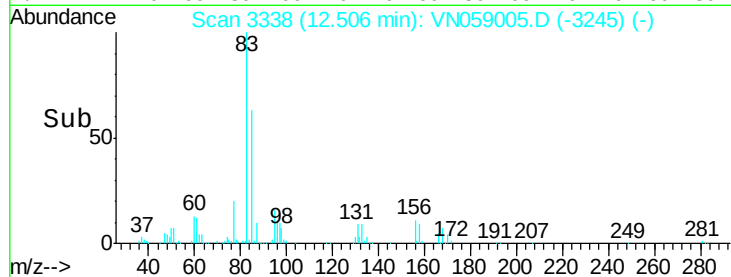
40000

20000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 32.677 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059005.D

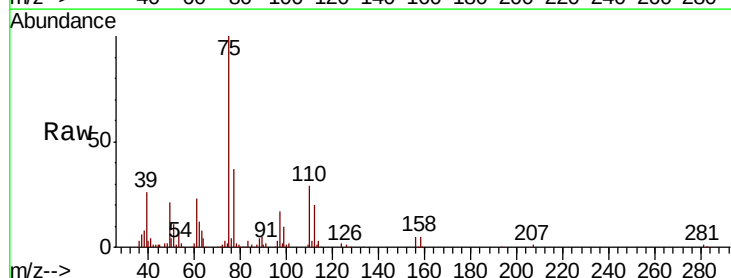
Acq: 29 Oct 2019 13:11

Tgt Ion: 75 Resp: 213067

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN058846.D (-3348) (-)

12.55

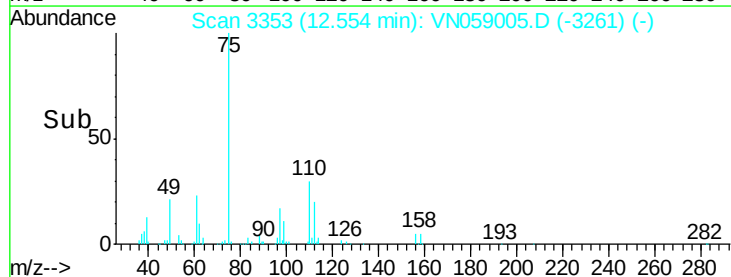
100000

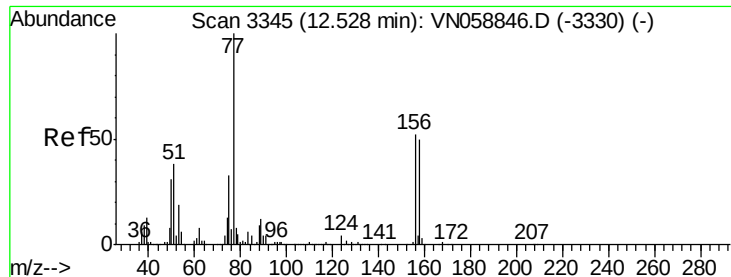
50000

0

12.50 12.60

Time-->





#77

Bromobenzene

Concen: 21.675 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

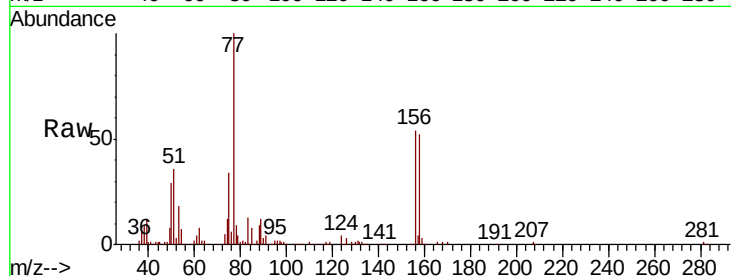
Tot Ion:156 Resp: 109848

Ion Ratio Lower Upper

156 100

77 229.1 118.0 354.0

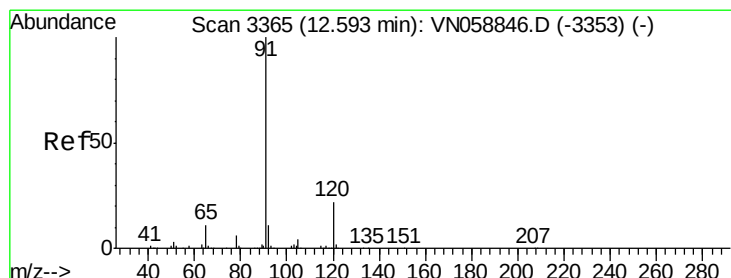
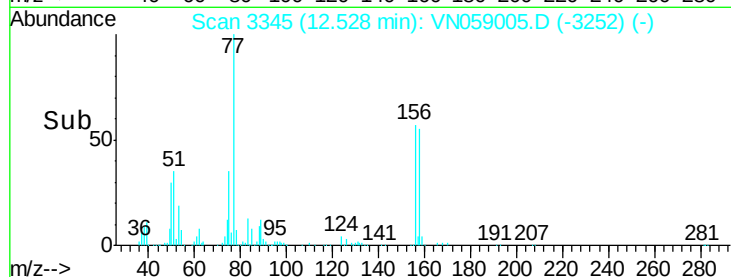
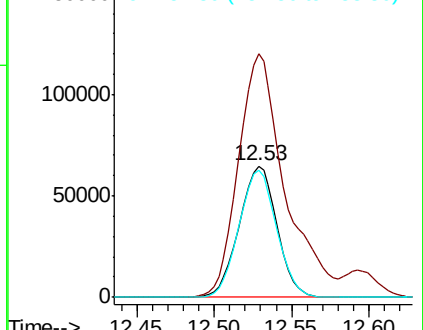
158 96.6 48.3 144.8



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: 21.441 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059005.D

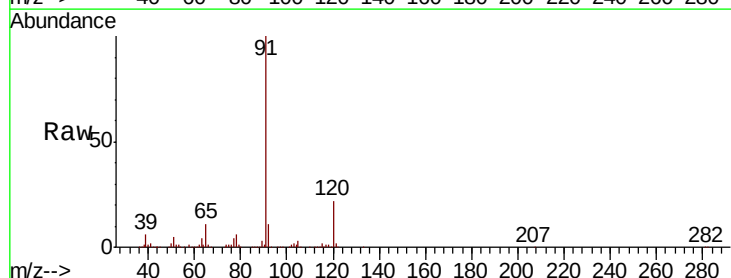
Acq: 29 Oct 2019 13:11

Tgt Ion: 91 Resp: 521101

Ion Ratio Lower Upper

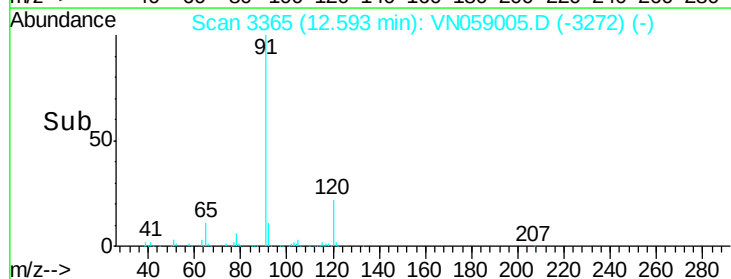
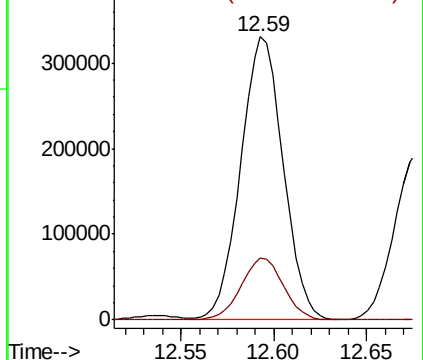
91 100

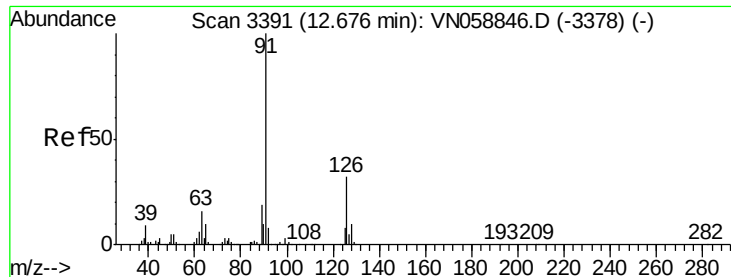
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.316 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

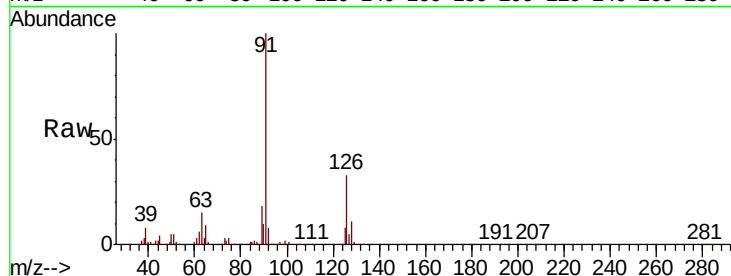
ClientSampled :

Tot Ion: 91 Resp: 317070

Ion Ratio Lower Upper

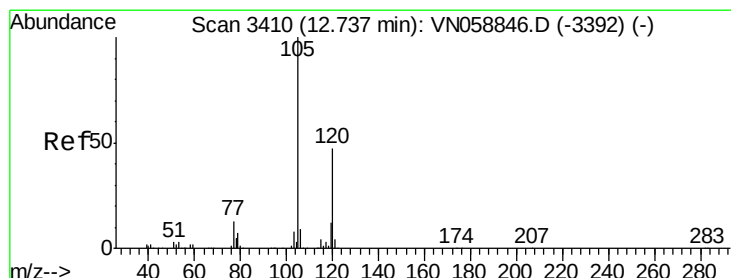
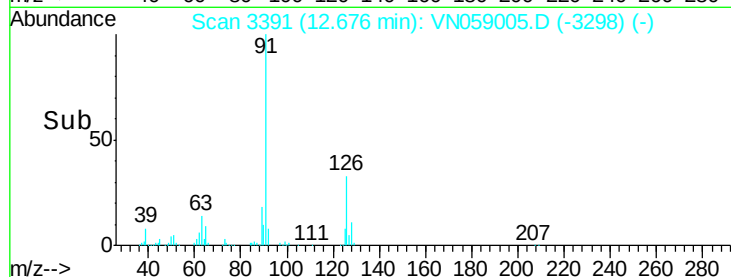
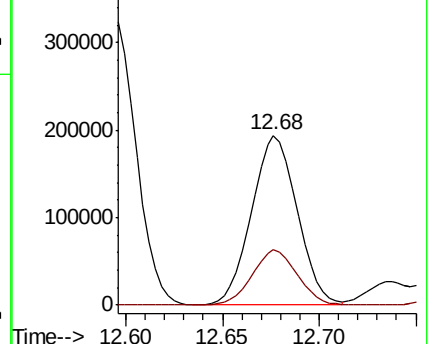
91 100

126 32.5 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.956 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059005.D

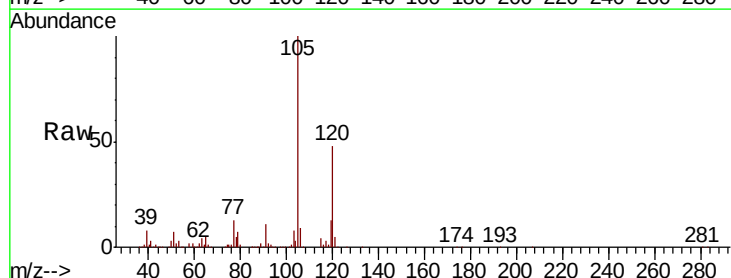
Acq: 29 Oct 2019 13:11

Tgt Ion: 105 Resp: 379288

Ion Ratio Lower Upper

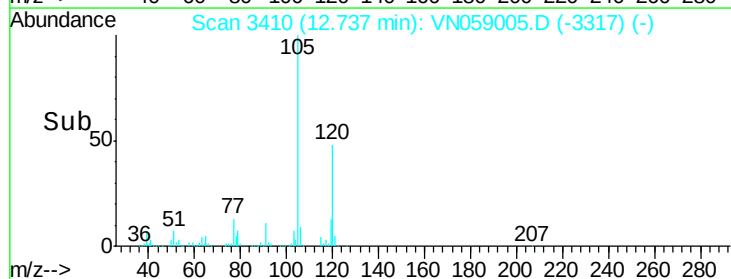
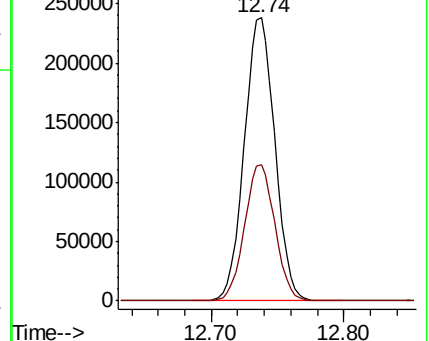
105 100

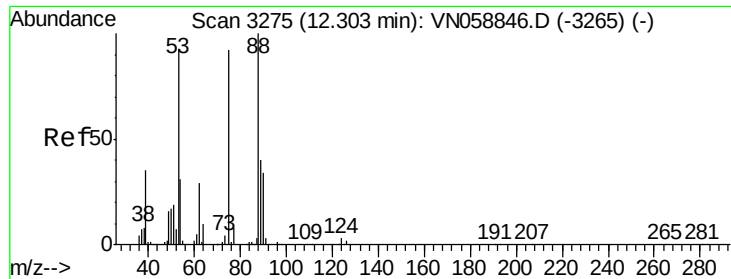
120 47.9 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.005 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampleId :

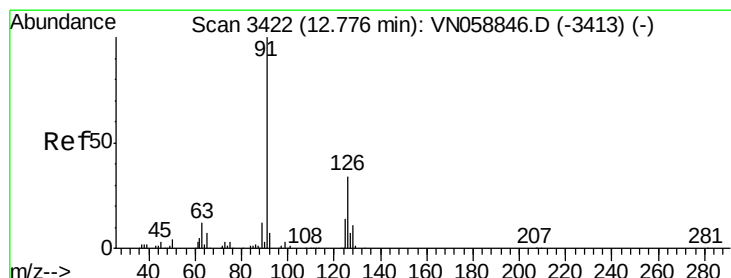
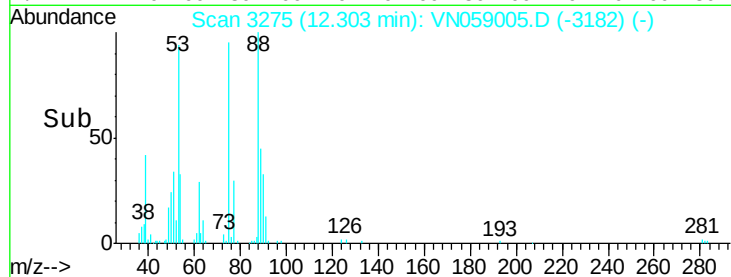
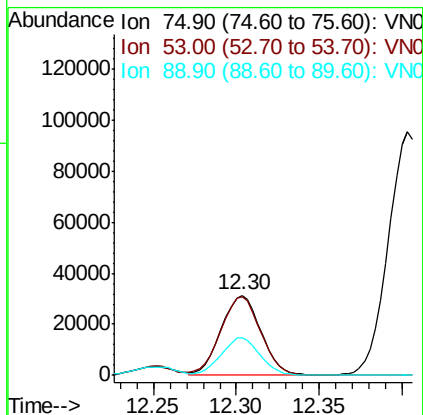
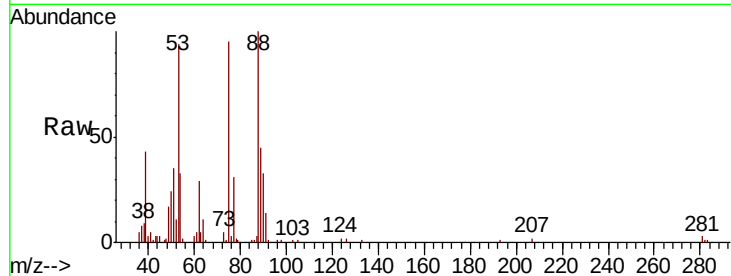
Tot Ion: 75 Resp: 52575

Ion Ratio Lower Upper

75 100

53 97.4 78.6 118.0

89 45.9 35.4 53.0



#82

4-Chlorotoluene

Concen: 21.050 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059005.D

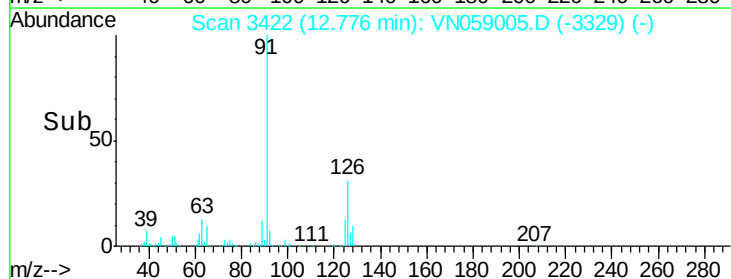
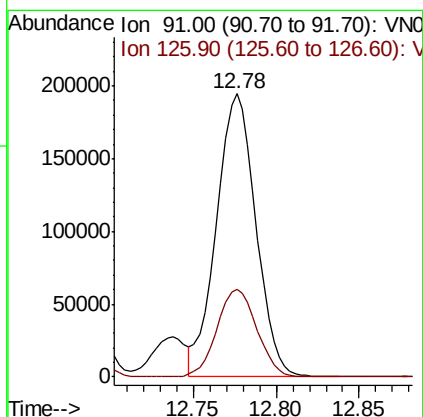
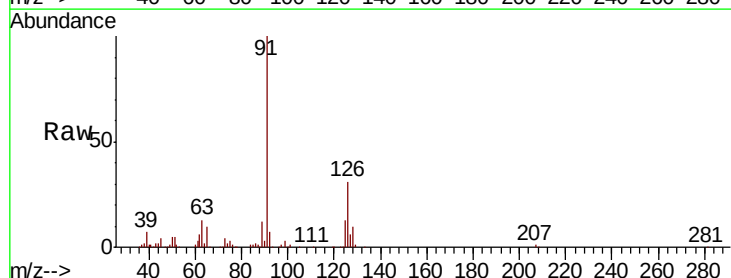
Acq: 29 Oct 2019 13:11

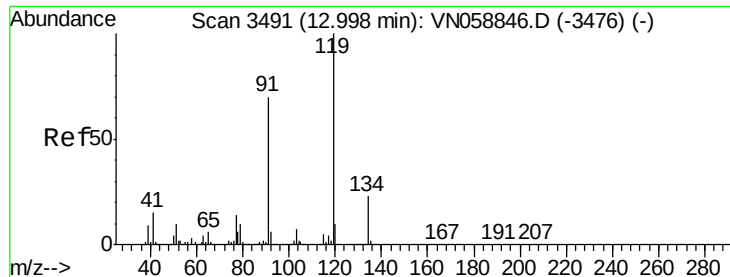
Tgt Ion: 91 Resp: 319981

Ion Ratio Lower Upper

91 100

126 31.5 16.0 47.9

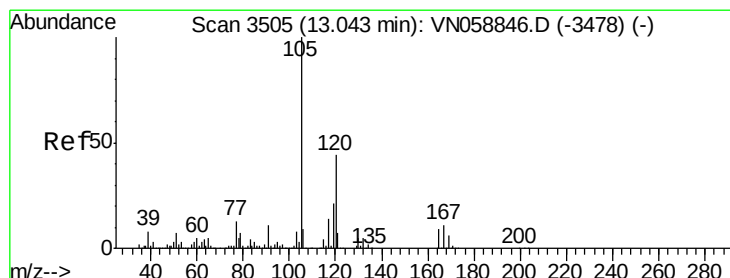
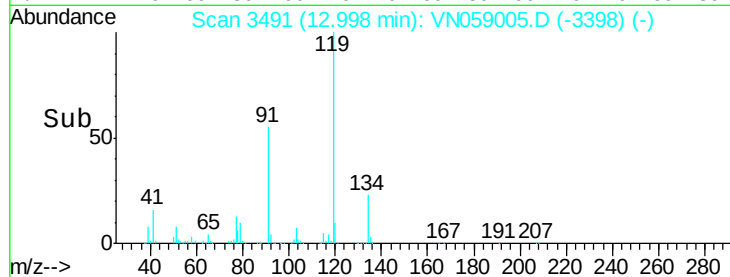
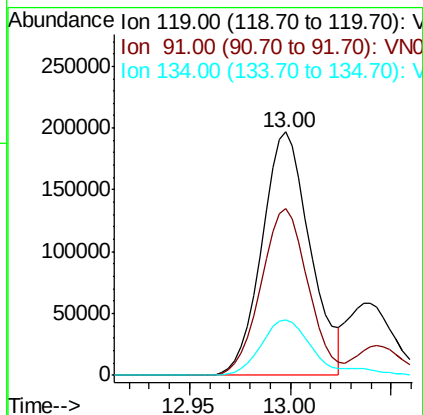
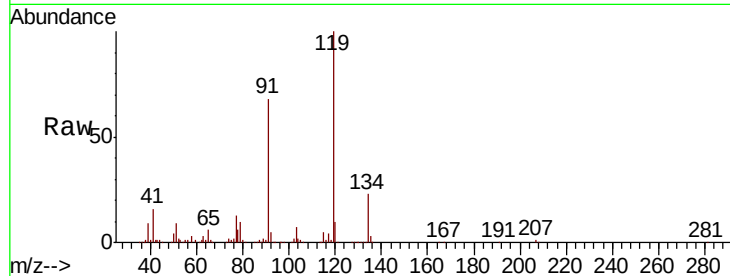




#83
 tert-Butylbenzene
 Concen: 22.138 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

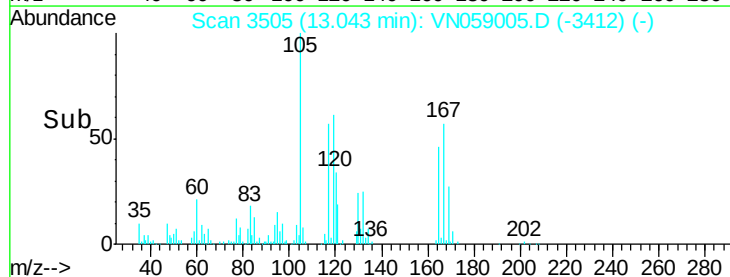
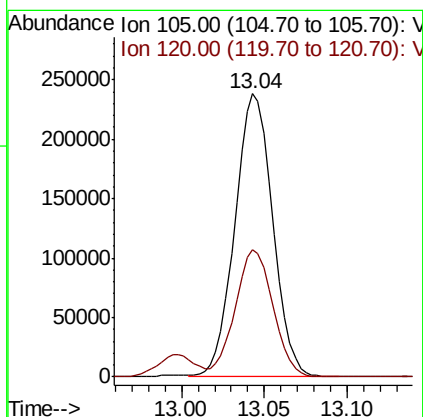
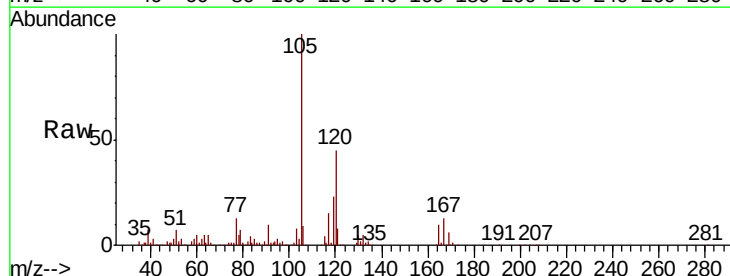
Instrument :
 MSVOA_N
 ClientSampled :

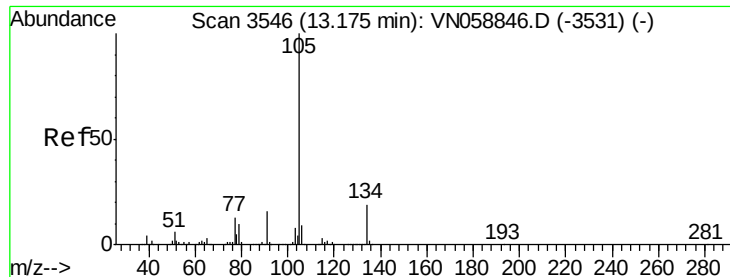
Tot Ion:119 Resp: 327030
 Ion Ratio Lower Upper
 119 100
 91 66.9 34.1 102.3
 134 23.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.041 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion:105 Resp: 375555
 Ion Ratio Lower Upper
 105 100
 120 45.3 21.9 65.8





#85

sec-Butylbenzene

Concen: 22.072 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

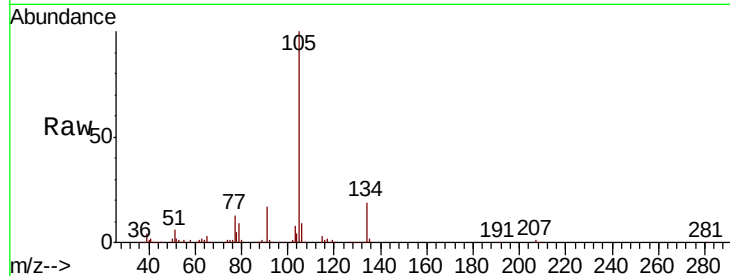
ClientSampleId :

Tot Ion:105 Resp: 434725

Ion Ratio Lower Upper

105 100

134 19.3 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

300000

250000

200000

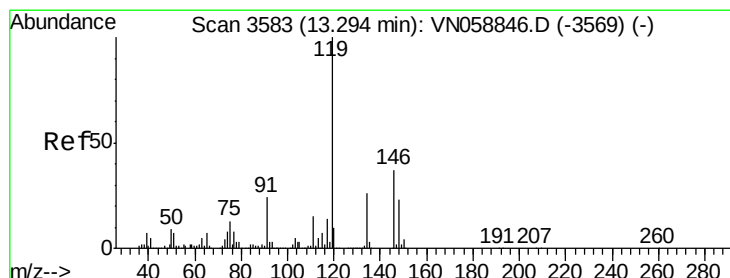
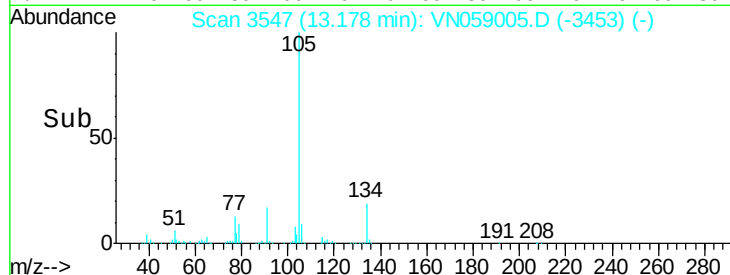
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.004 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

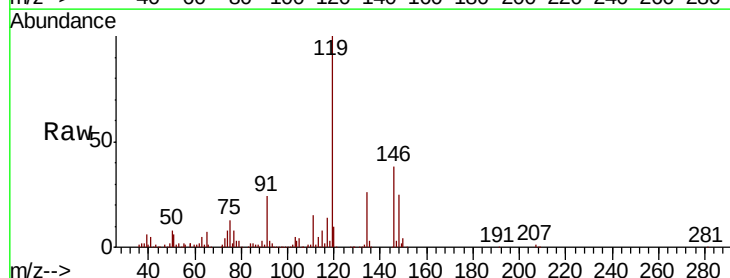
Tgt Ion:119 Resp: 382393

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

91 24.2 12.2 36.4



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

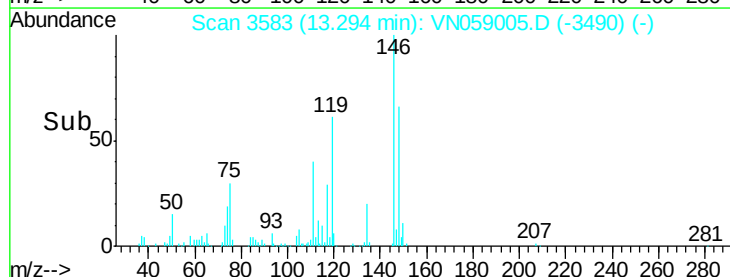
300000

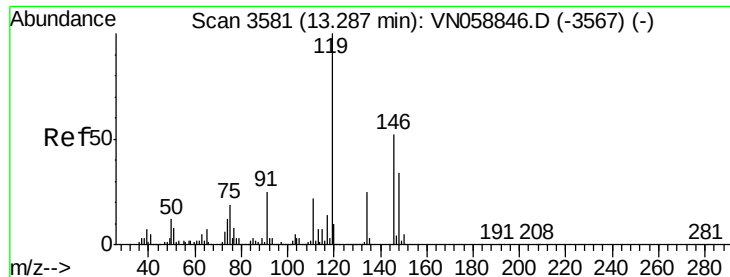
200000

100000

0

Time-->

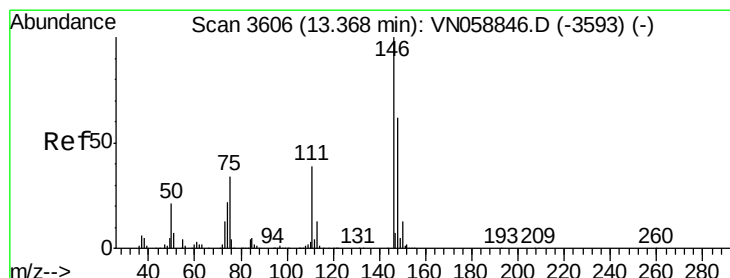
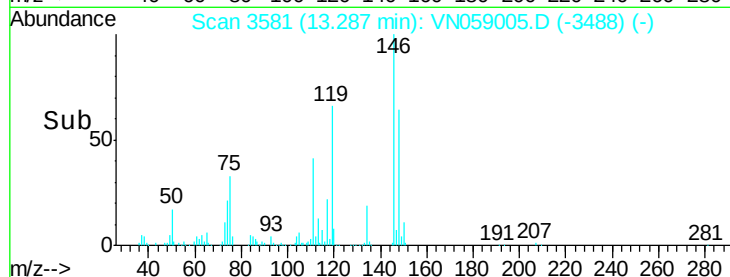
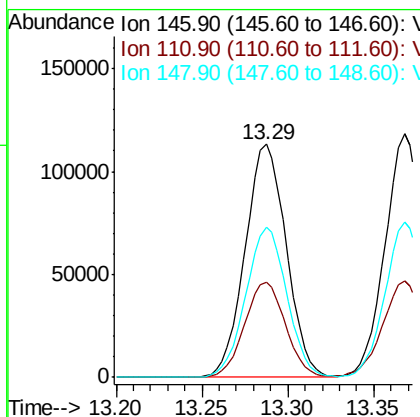
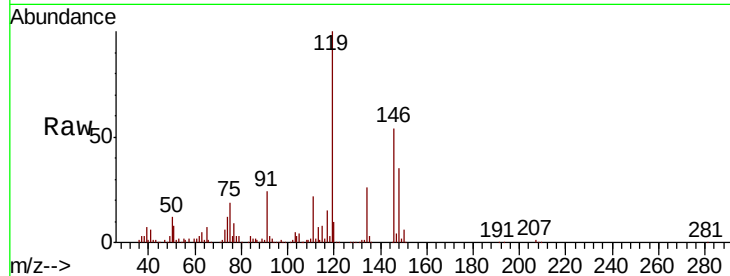




#87
 1,3-Dichlorobenzene
 Concen: 20.770 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

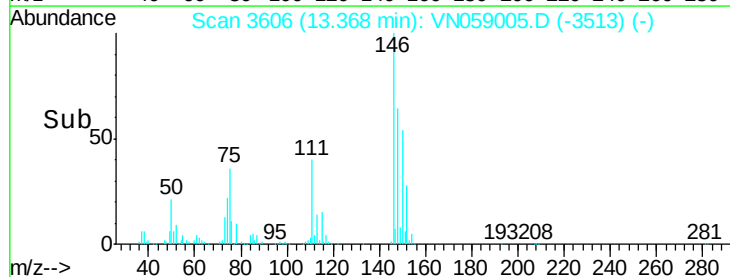
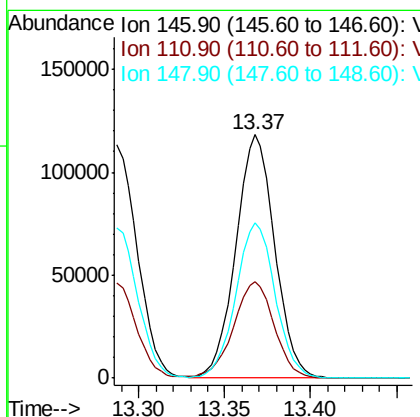
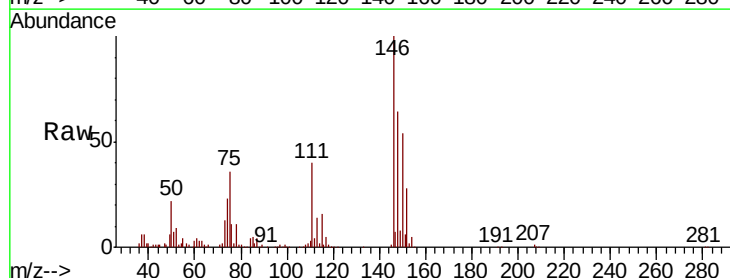
Instrument :
 MSVOA_N
 ClientSampled :

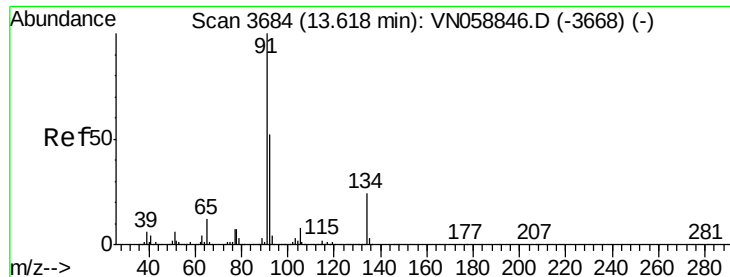
Tot Ion:146 Resp: 188213
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.0 63.0
 148 64.1 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 20.408 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion:146 Resp: 185156
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.2 60.6
 148 65.0 31.6 94.7

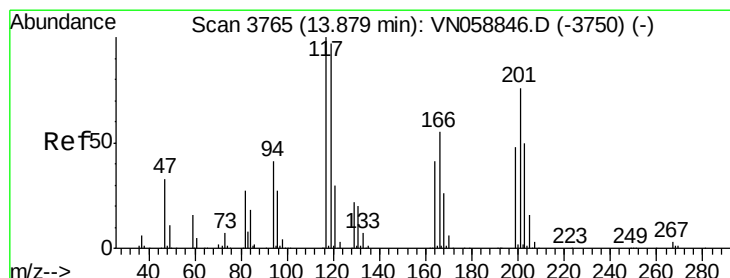
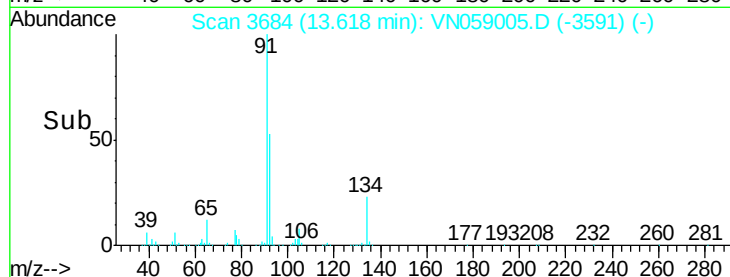
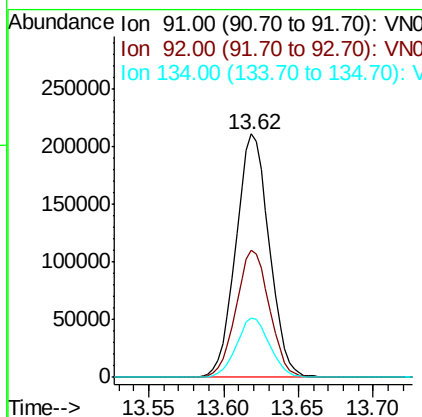
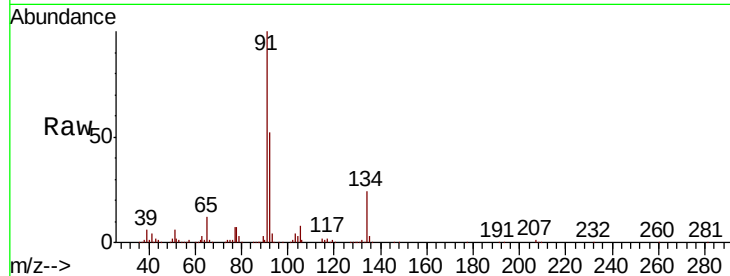




#89
n-Butylbenzene
Concen: 20.528 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

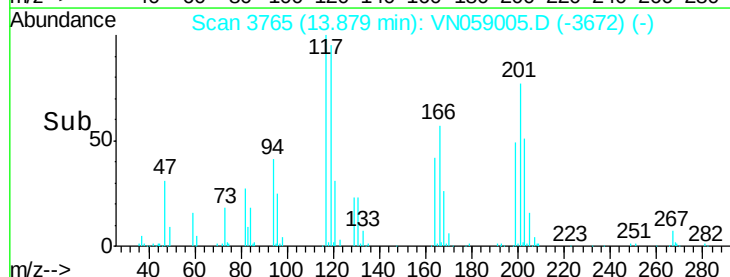
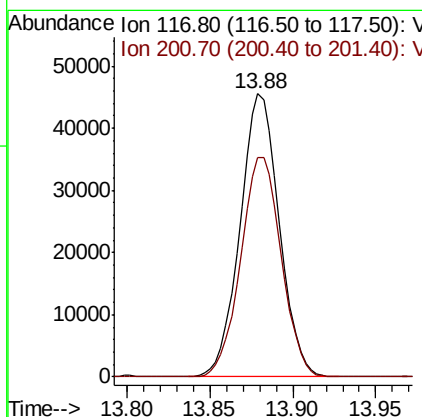
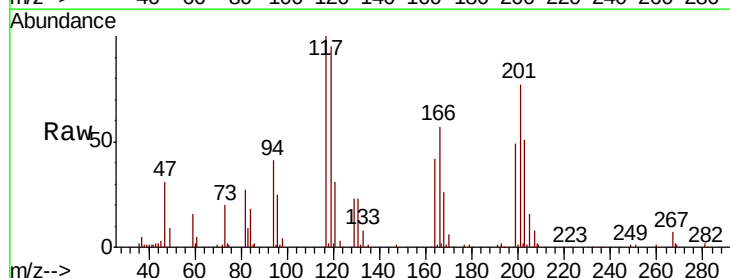
Instrument :
MSVOA_N
ClientSampled :

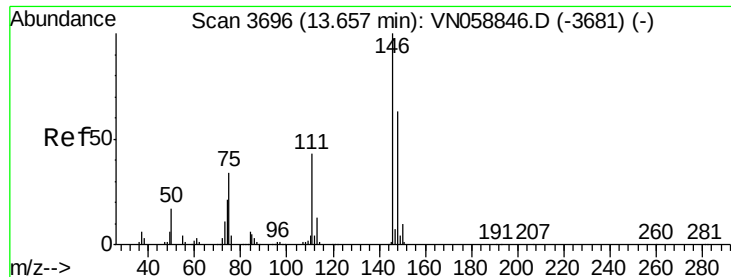
Tot Ion: 91 Resp: 327709
Ion Ratio Lower Upper
91 100
92 52.3 25.7 77.1
134 24.4 11.9 35.5



#90
Hexachloroethane
Concen: 21.178 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059005.D
Acq: 29 Oct 2019 13:11

Tgt Ion: 117 Resp: 74576
Ion Ratio Lower Upper
117 100
201 80.1 38.9 116.6





#91

1,2-Dichlorobenzene

Concen: 21.395 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059005.D

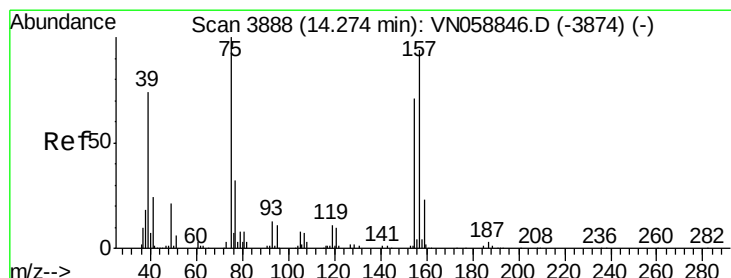
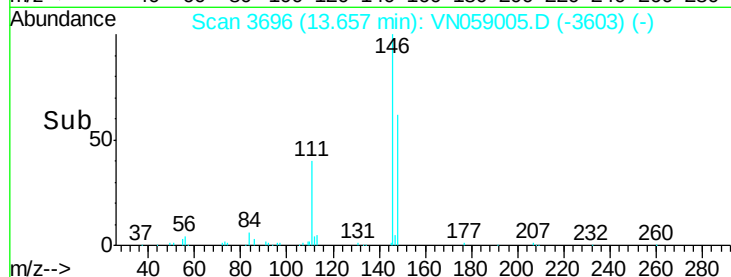
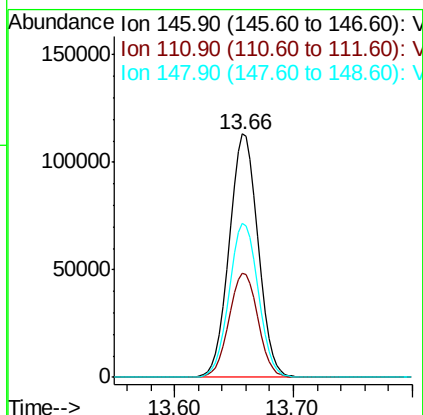
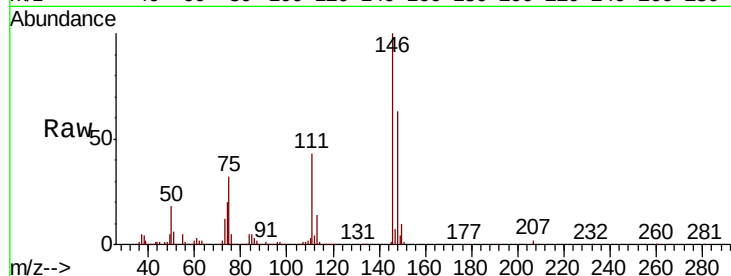
Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	190557
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.8
148	63.8	31.9	95.9



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.538 ug/l

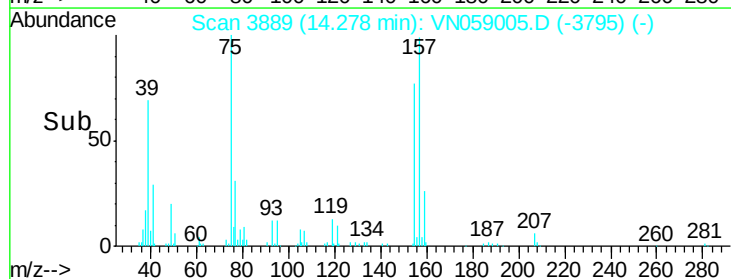
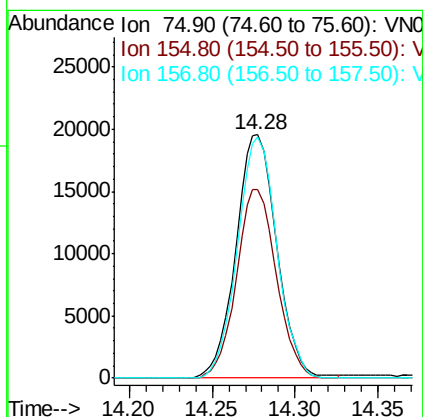
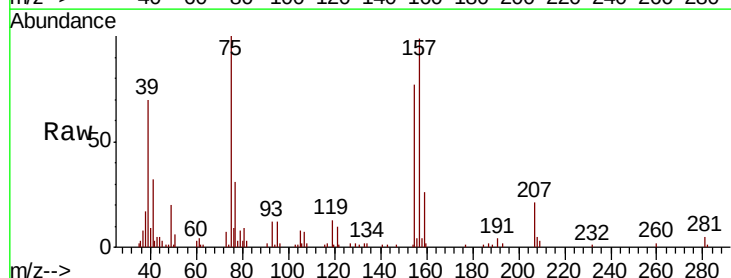
RT: 14.28 min Scan# 3889

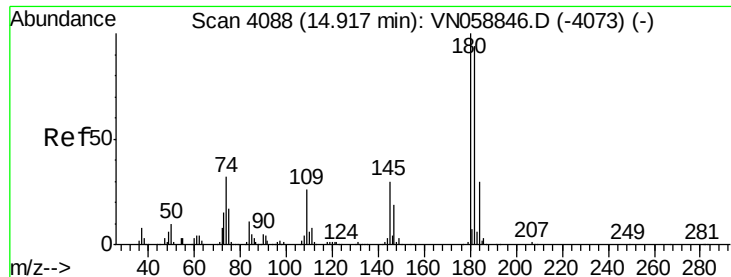
Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Tgt Ion:	75	Resp:	33584
Ion	Ratio	Lower	Upper
75	100		
155	75.4	35.6	106.8
157	95.1	47.4	142.2

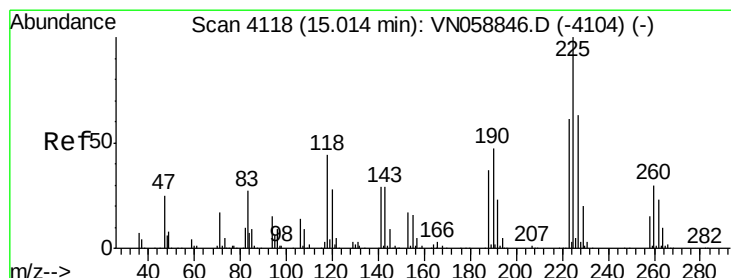
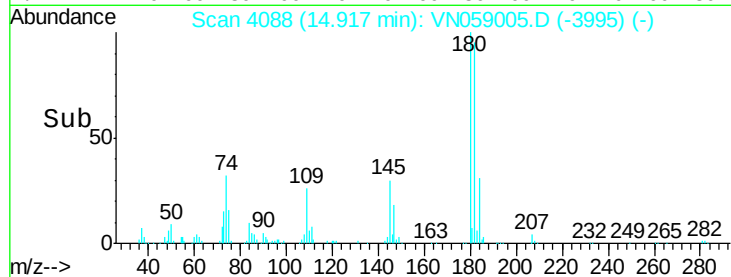
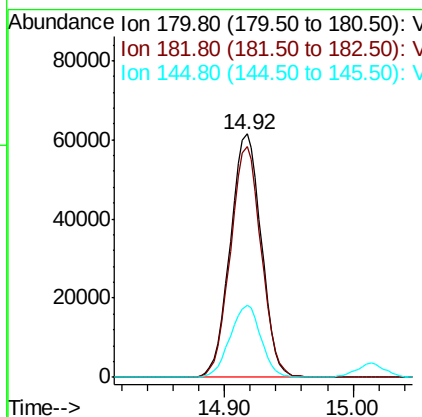
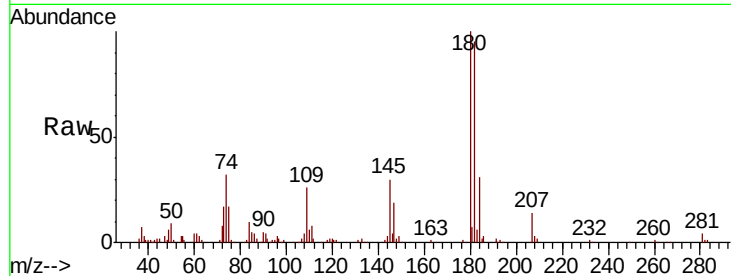




#93
 1,2,4-Trichlorobenzene
 Concen: 19.925 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

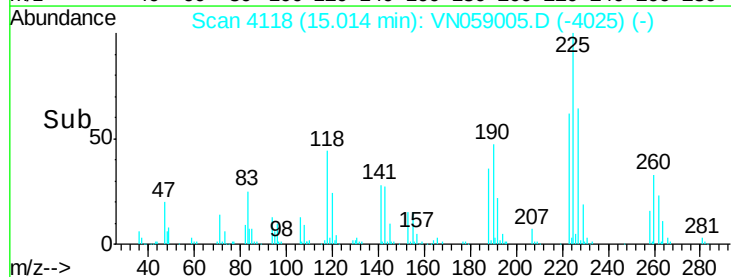
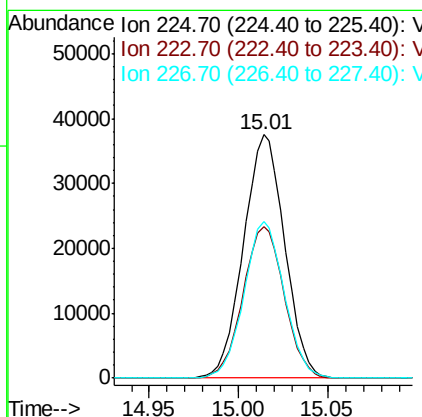
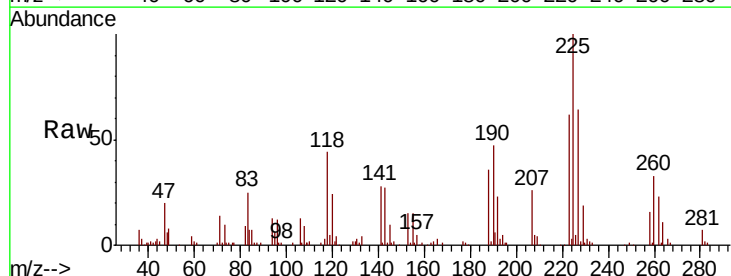
Instrument :
 MSVOA_N
 ClientSampled :

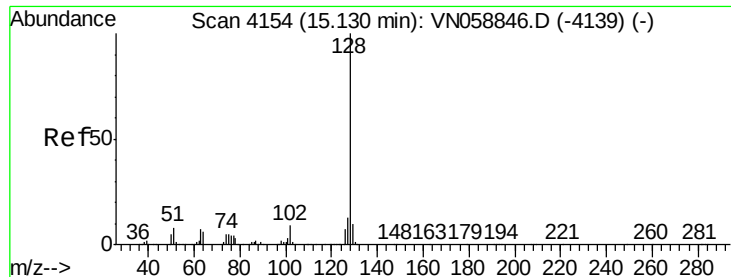
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.3	142.0
145	29.4	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 20.979 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059005.D
 Acq: 29 Oct 2019 13:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.9	92.5
227	62.7	31.6	94.7





#95

Naphthalene

Concen: 18.810 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

Instrument :

MSVOA_N

ClientSampled :

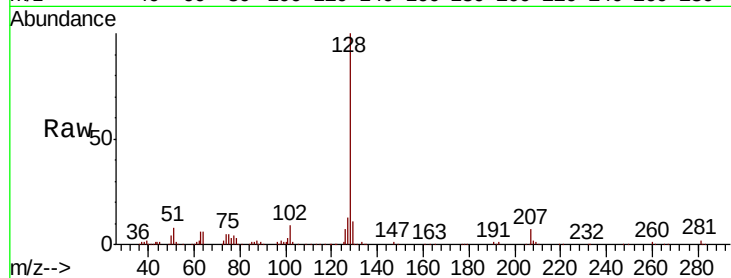
Tot Ion:128 Resp: 279709

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

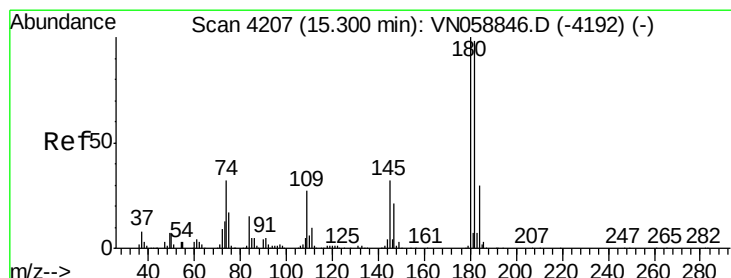
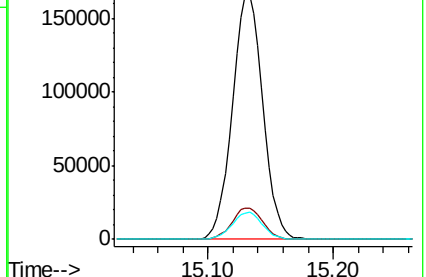
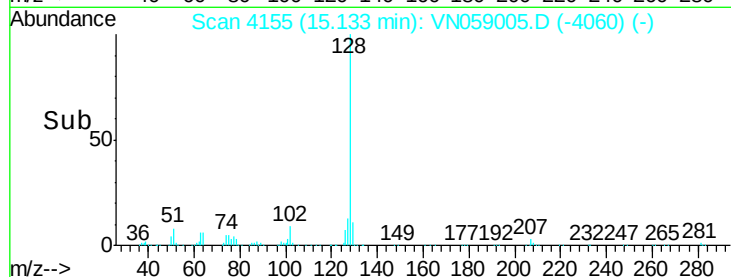
129 11.1 8.4 12.6



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: 20.309 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN059005.D

Acq: 29 Oct 2019 13:11

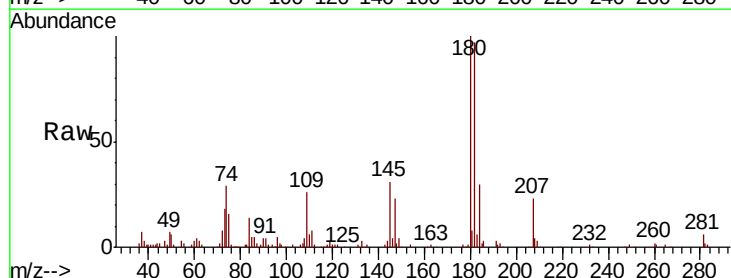
Tgt Ion:180 Resp: 102707

Ion Ratio Lower Upper

180 100

182 95.4 47.9 143.7

145 31.6 15.9 47.7



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

