

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061819\
 Data File : VN056354.D
 Acq On : 18 Jun 2019 10:34
 Operator : JC/SP
 Sample : VN0618WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 01:57:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 18 04:23:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	352338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	544450	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	484154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	204488	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
35) Dibromofluoromethane	7.59	113	176951	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.09	98	680310	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.40	95	222281	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	64503	20.823	ug/l	100
3) Chloromethane	2.06	50	84334	20.304	ug/l	98
4) Vinyl Chloride	2.18	62	81502	19.966	ug/l	99
6) Chloroethane	2.68	64	110189	46.605	ug/l	96
7) Trichlorofluoromethane	3.01	101	101733	19.514	ug/l	100
8) Diethyl Ether	3.40	74	41538	20.088	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	66128	19.612	ug/l	99
10) Methyl Iodide	3.94	142	84439	19.569	ug/l	99
11) Tert butyl alcohol	4.82	59	59750	95.846	ug/l	98
12) 1,1-Dichloroethene	3.72	96	63585	19.446	ug/l	96
13) Acrolein	3.60	56	16641	95.264	ug/l	100
14) Allyl chloride	4.31	41	104048	18.974	ug/l	98
15) Acrylonitrile	4.99	53	184847	103.749	ug/l	100
16) Acetone	3.82	43	194853	89.010	ug/l	99
17) Carbon Disulfide	4.04	76	142768	16.318	ug/l	98
18) Methyl Acetate	4.33	43	77860	19.309	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	204715	20.529	ug/l	100
20) Methylene Chloride	4.54	84	76582	19.812	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	67446	19.392	ug/l	98
22) Diisopropyl ether	5.96	45	215489	19.991	ug/l	99
23) Vinyl Acetate	5.90	43	885550	100.974	ug/l	99
24) 1,1-Dichloroethane	5.84	63	125521	19.861	ug/l	98
25) 2-Butanone	6.84	43	261128	98.414	ug/l	100
26) 2,2-Dichloropropane	6.82	77	81198	17.767	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	79654	19.774	ug/l	99
28) Bromochloromethane	7.20	49	69164	21.854	ug/l	99
29) Tetrahydrofuran	7.22	42	161071	102.196	ug/l	99
30) Chloroform	7.37	83	124087	19.711	ug/l	99
31) Cyclohexane	7.65	56	119807	19.621	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	98047	18.802	ug/l	99
36) 1,1-Dichloropropene	7.79	75	93310	19.045	ug/l	98
37) Ethyl Acetate	6.93	43	97104	20.914	ug/l	99
38) Carbon Tetrachloride	7.77	117	82464	17.536	ug/l	96
39) Methylcyclohexane	9.08	83	115153	19.269	ug/l	100

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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)
40) Benzene	8.04	78	296017	19.917	ug/l	99
41) Methacrylonitrile	7.22	41	143596	67.352	ug/l #	18
42) 1,2-Dichloroethane	8.12	62	97812	20.068	ug/l	99
43) Isopropyl Acetate	8.17	43	142571	19.196	ug/l #	90
44) Trichloroethene	8.83	130	79151	19.584	ug/l	97
45) 1,2-Dichloropropane	9.12	63	77842	19.818	ug/l	96
46) Dibromomethane	9.21	93	50236	19.246	ug/l	99
47) Bromodichloromethane	9.40	83	87140	17.474	ug/l	100
48) Methyl methacrylate	9.20	41	72478	19.342	ug/l	99
49) 1,4-Dioxane	9.20	88	30377	401.853	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	473796	100.090	ug/l	100
52) Toluene	10.15	92	181614	20.020	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	83967	16.958	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	102221	17.898	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	71239	19.108	ug/l	98
56) Ethyl methacrylate	10.43	69	105905	19.752	ug/l	98
57) 1,3-Dichloropropane	10.71	76	123265	19.629	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	197470	108.082	ug/l	98
59) 2-Hexanone	10.75	43	344316	98.076	ug/l	100
60) Dibromochloromethane	10.90	129	66568	17.024	ug/l	99
61) 1,2-Dibromoethane	11.01	107	75065	19.587	ug/l	99
64) Tetrachloroethene	10.63	164	77274	19.463	ug/l	97
65) Chlorobenzene	11.43	112	195608	19.900	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	65046	17.726	ug/l	97
67) Ethyl Benzene	11.51	91	335848	19.850	ug/l	100
68) m/p-Xylenes	11.62	106	253041	40.182	ug/l	99
69) o-Xylene	11.95	106	125157	20.162	ug/l	99
70) Stvrene	11.96	104	201863	20.142	ug/l	100
71) Bromoform	12.12	173	43279	15.176	ug/l #	99
73) Isopropylbenzene	12.25	105	327528	21.499	ug/l	99
74) N-amyl acetate	12.07	43	117989	20.168	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	102530	21.491	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	115933	29.147	ug/l #	100
77) Bromobenzene	12.52	156	83329	20.728	ug/l	100
78) n-propylbenzene	12.59	91	341838	20.456	ug/l	99
79) 2-Chlorotoluene	12.67	91	212879	21.049	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	266772	20.539	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20610	16.099	ug/l #	83
82) 4-Chlorotoluene	12.77	91	198258	20.211	ug/l	100
83) tert-Butylbenzene	12.99	119	236784	21.665	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	255651	21.137	ug/l	99
85) sec-Butylbenzene	13.17	105	302510	20.640	ug/l	100
86) p-Isopropyltoluene	13.29	119	258395	20.596	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	126140	19.907	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	118803	19.511	ug/l	98
89) n-Butylbenzene	13.61	91	182419	19.448	ug/l	99
90) Hexachloroethane	13.87	117	37768	16.034	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	124671	20.092	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14320	17.802	ug/l	94
93) 1,2,4-Trichlorobenzene	14.91	180	41894	16.911	ug/l	96

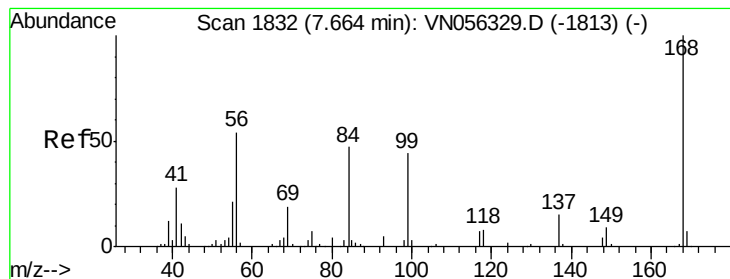
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	46427	20.405	ug/l	97
95) Naphthalene	15.13	128	120301	17.469	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	51365	17.853	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

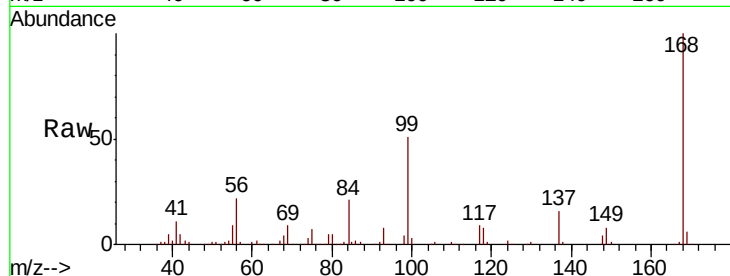
ClientSampleId :

Tot Ion:168 Resp: 352338

Ion Ratio Lower Upper

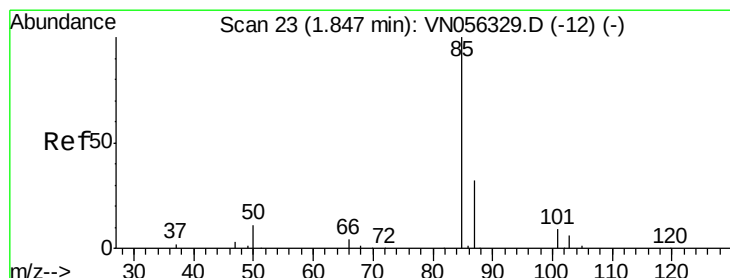
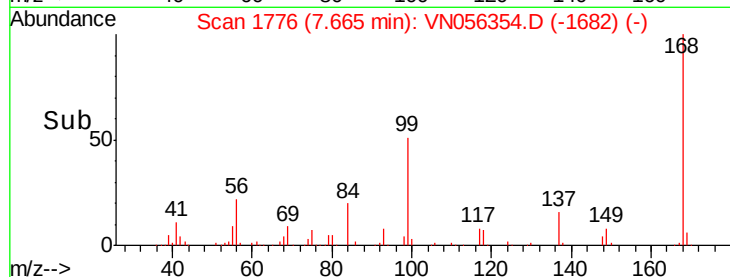
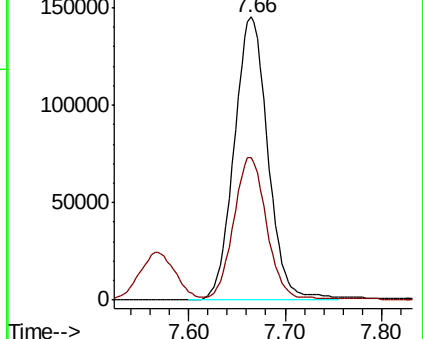
168 100

99 49.9 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.823 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056354.D

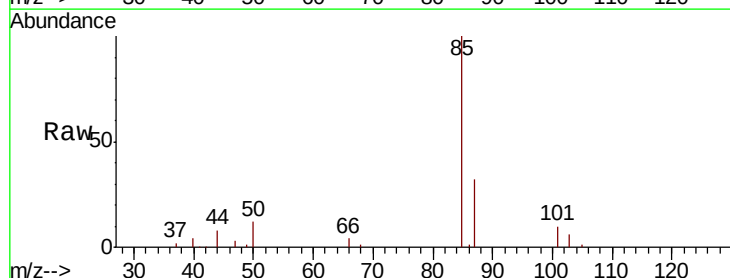
Acq: 18 Jun 2019 10:34

Tgt Ion: 85 Resp: 64503

Ion Ratio Lower Upper

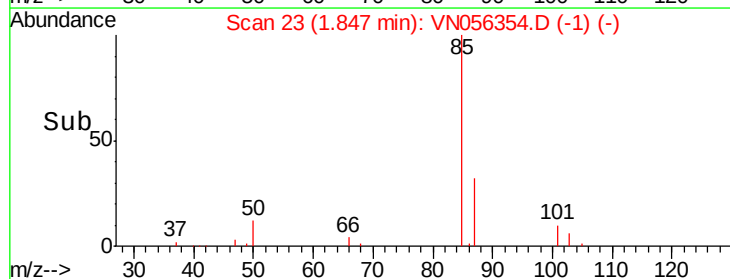
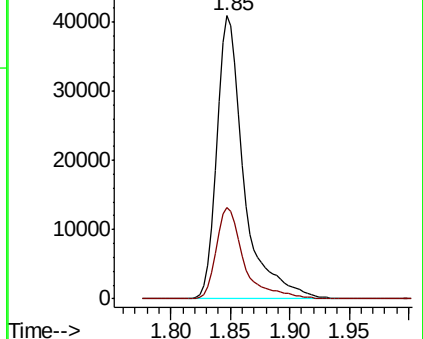
85 100

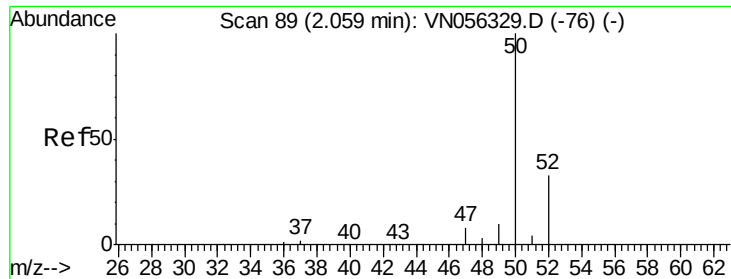
87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.304 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

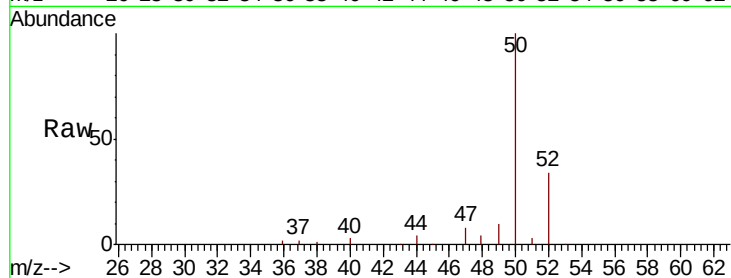
ClientSampleId :

Tot Ion: 50 Resp: 84334

Ion Ratio Lower Upper

50 100

52 34.0 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

60000

50000

40000

30000

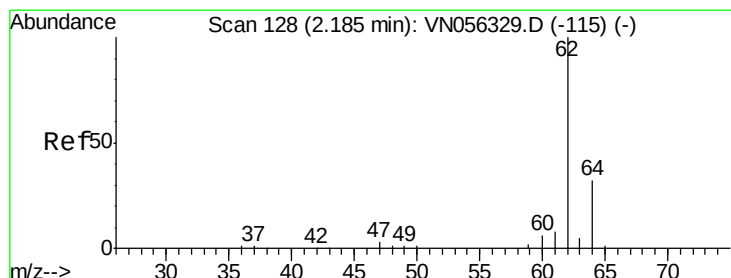
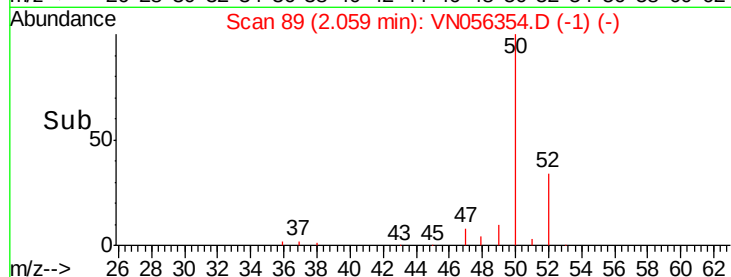
20000

10000

0

Time-->

2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 19.966 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056354.D

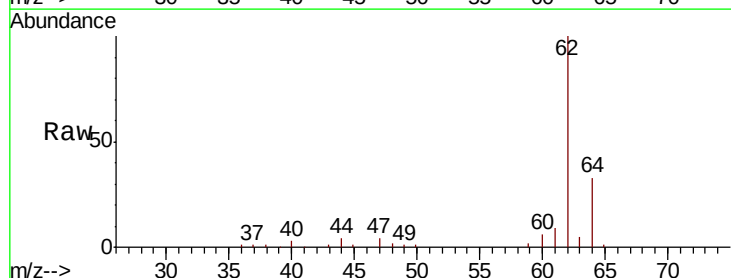
Acq: 18 Jun 2019 10:34

Tgt Ion: 62 Resp: 81502

Ion Ratio Lower Upper

62 100

64 32.7 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

60000

50000

40000

30000

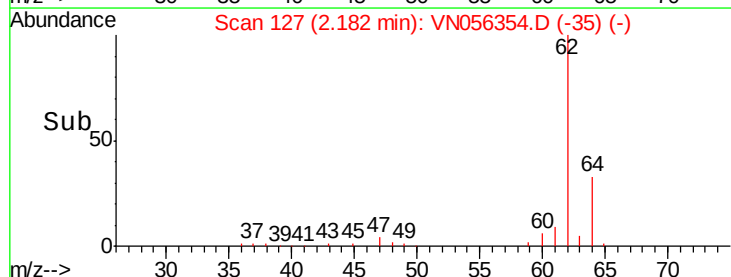
20000

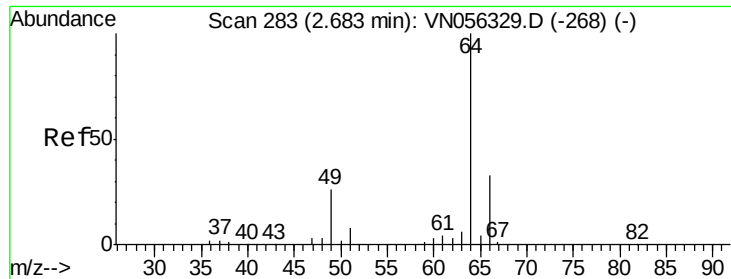
10000

0

Time-->

2.10 2.15 2.20 2.25





#6

Chloroethane

Concen: 46.605 ug/l

RT: 2.68 min Scan# 227

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

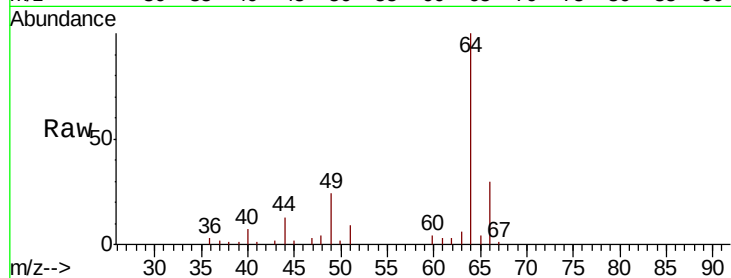
ClientSampled :

Tot Ion: 64 Resp: 110189

Ion Ratio Lower Upper

64 100

66 30.4 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN056329.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN056329.D (-268) (-)

2.68

20000

15000

10000

5000

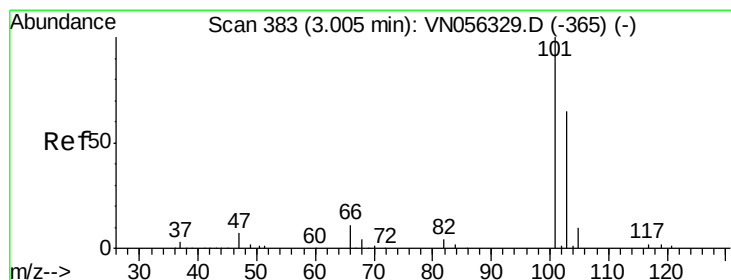
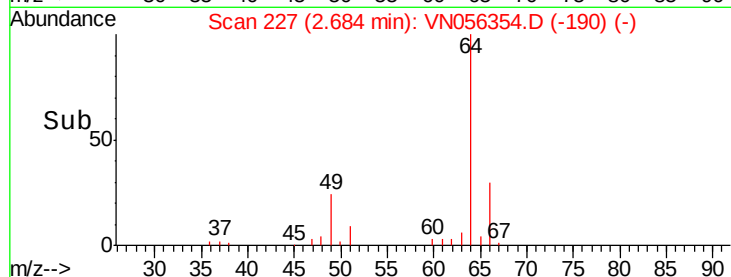
0

Time-->

2.40

2.60

2.80



#7

Trichlorofluoromethane

Concen: 19.514 ug/l

RT: 3.01 min Scan# 327

Delta R.T. 0.00 min

Lab File: VN056354.D

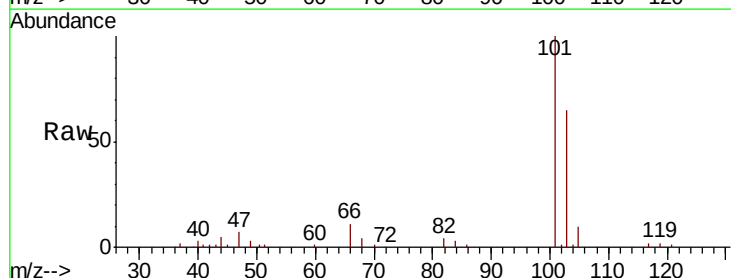
Acq: 18 Jun 2019 10:34

Tgt Ion: 101 Resp: 101733

Ion Ratio Lower Upper

101 100

103 65.2 52.1 78.1



Abundance Ion 100.90 (100.60 to 101.60): VN056329.D (-365) (-)

Ion 102.80 (102.50 to 103.50): VN056329.D (-365) (-)

3.01

50000

40000

30000

20000

10000

0

Time-->

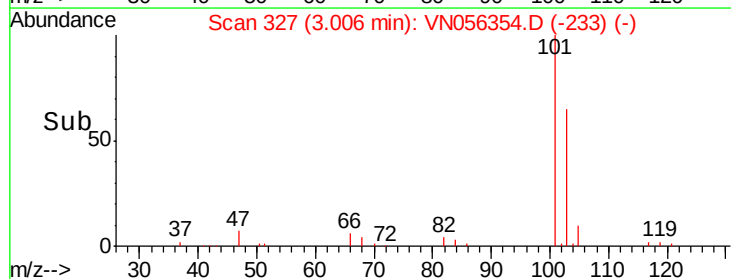
2.90

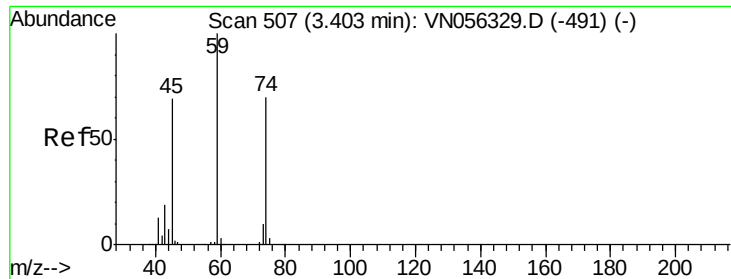
2.95

3.00

3.05

3.10





#8

Diethyl Ether

Concen: 20.088 ug/l

RT: 3.40 min Scan# 451

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

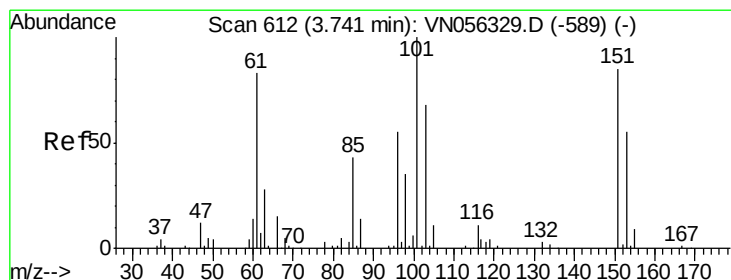
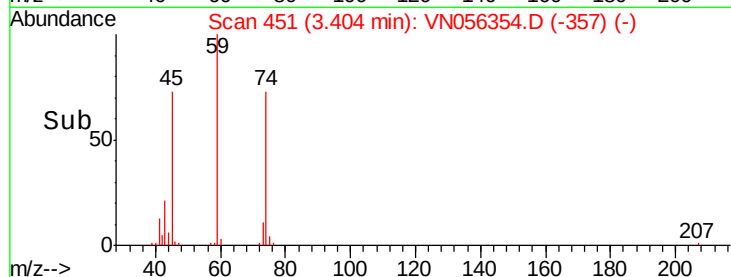
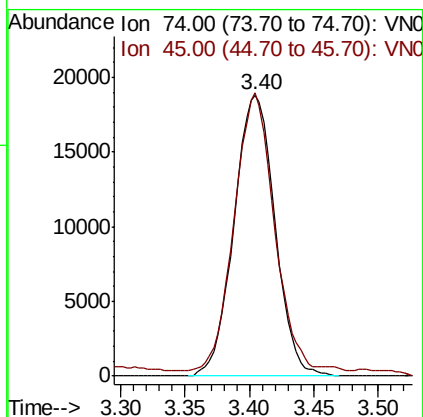
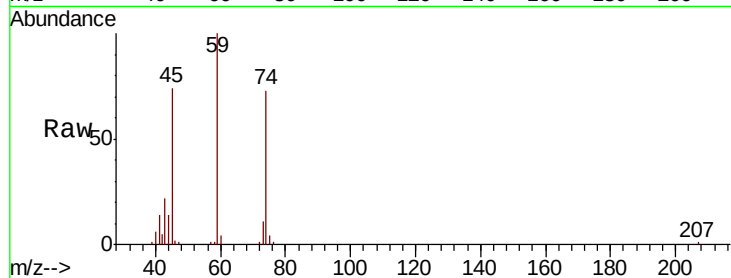
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 74 Resp: 41538

Ion Ratio Lower Upper

74 100

45 96.1 49.0 147.0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.612 ug/l

RT: 3.74 min Scan# 555

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

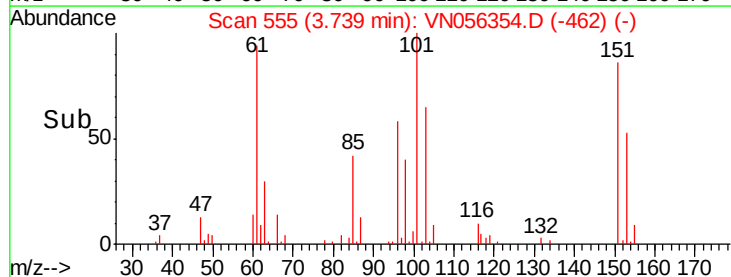
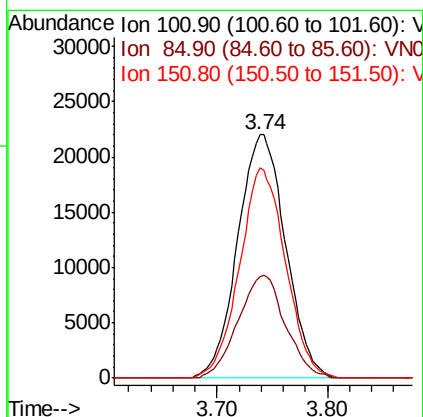
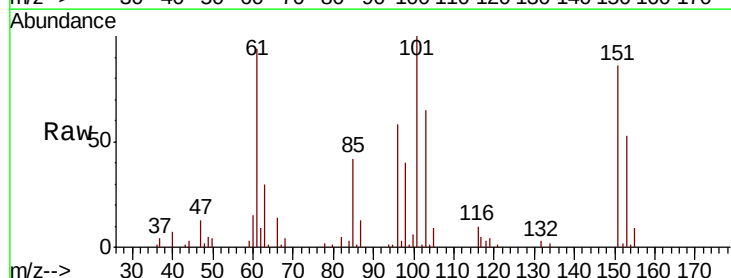
Tgt Ion: 101 Resp: 66128

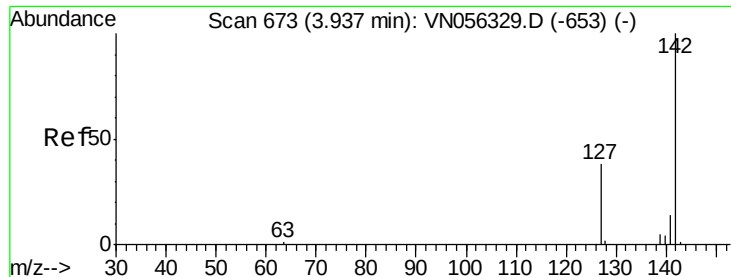
Ion Ratio Lower Upper

101 100

85 41.7 33.8 50.8

151 82.9 67.4 101.0

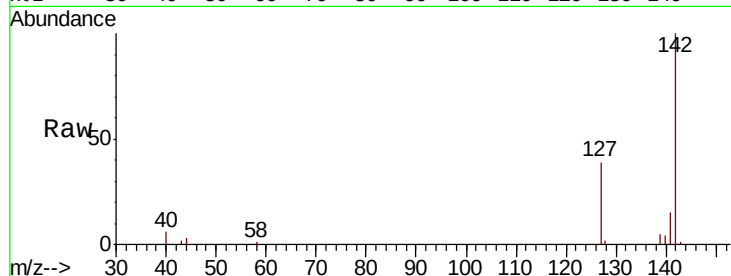




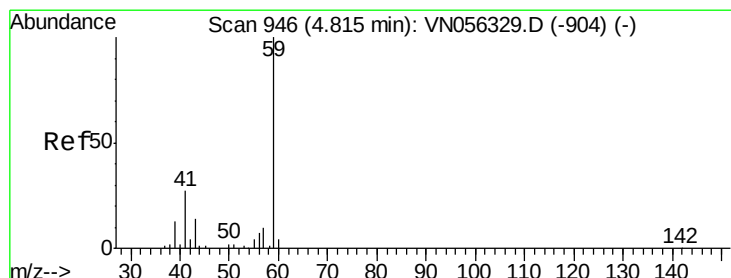
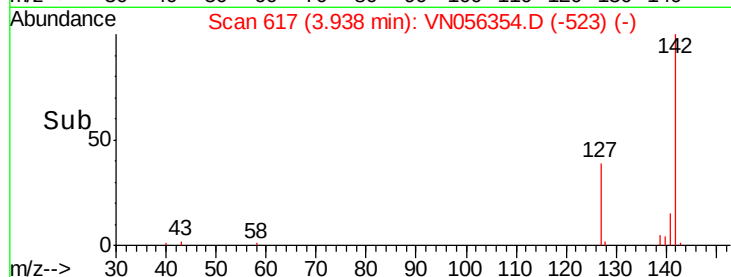
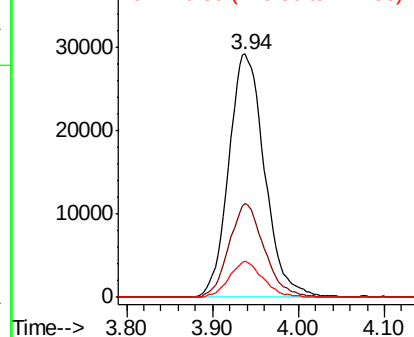
#10
Methvl Iodide
Concen: 19.569 ug/l
RT: 3.94 min Scan# 617
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:142 Resp: 84439
Ion Ratio Lower Upper
142 100
127 37.7 30.8 46.2
141 13.9 11.4 17.2

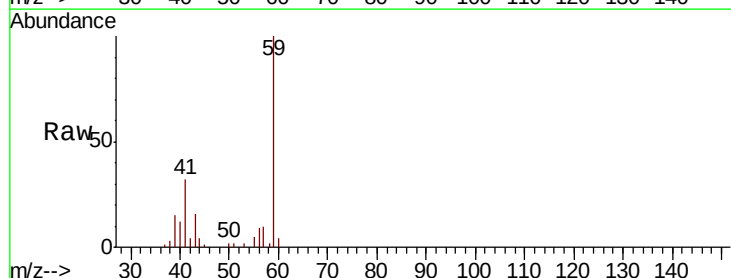


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

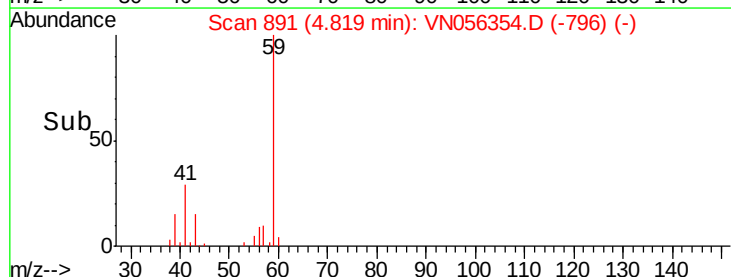
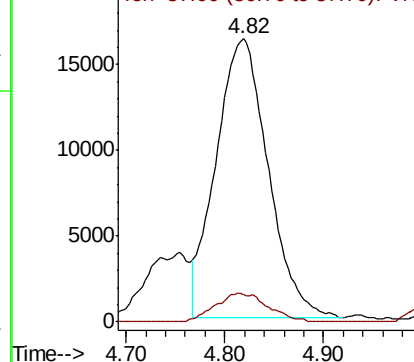


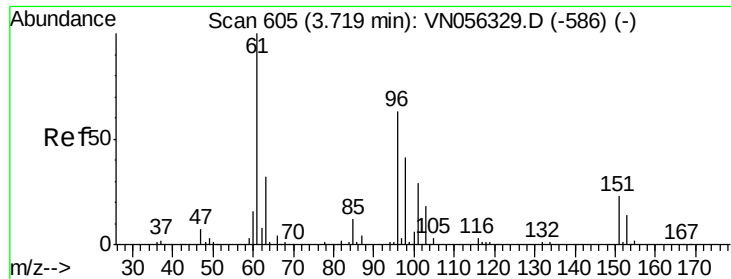
#11
Tert butyl alcohol
Concen: 95.846 ug/l
RT: 4.82 min Scan# 891
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion: 59 Resp: 59750
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8



Abundance Ion 59.00 (58.70 to 59.70): V
Ion 57.00 (56.70 to 57.70): V





#12

1,1-Dichloroethene

Concen: 19.446 ug/l

RT: 3.72 min Scan# 549

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampled :

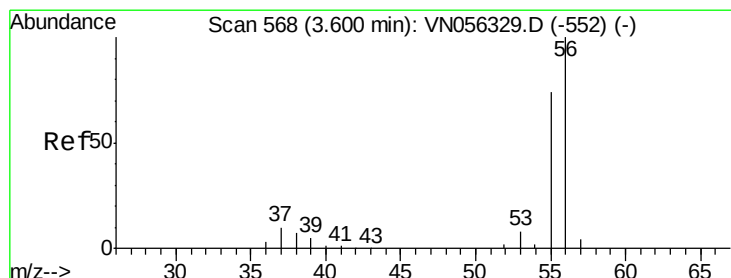
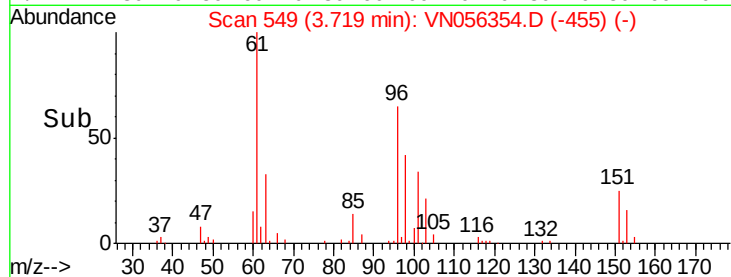
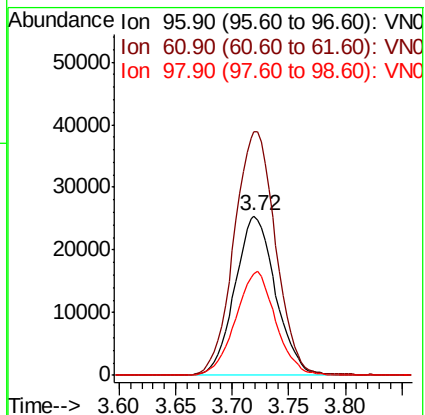
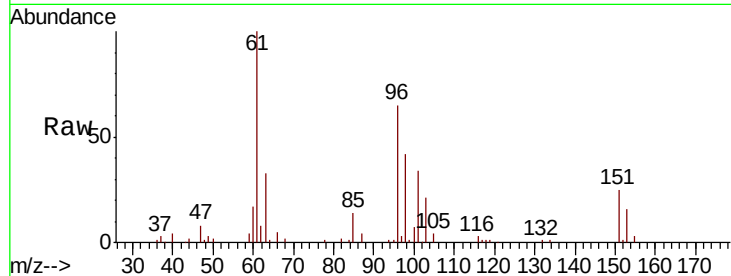
Tot Ion: 96 Resp: 63585

Ion Ratio Lower Upper

96 100

61 152.7 127.4 191.2

98 64.0 51.7 77.5



#13

Acrolein

Concen: 95.264 ug/l

RT: 3.60 min Scan# 512

Delta R.T. 0.00 min

Lab File: VN056354.D

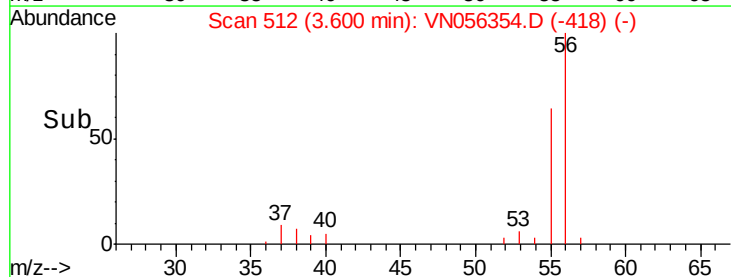
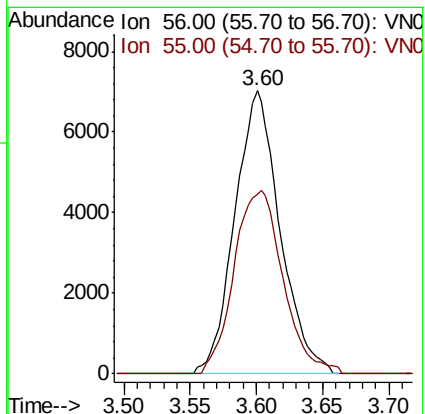
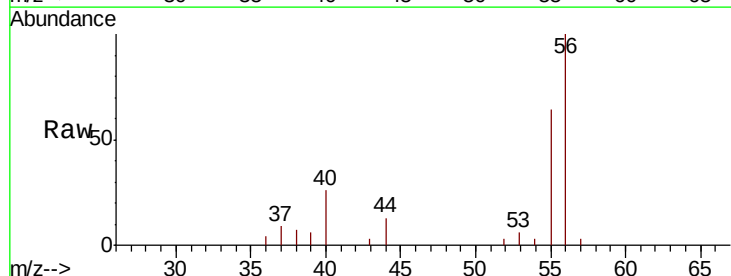
Acq: 18 Jun 2019 10:34

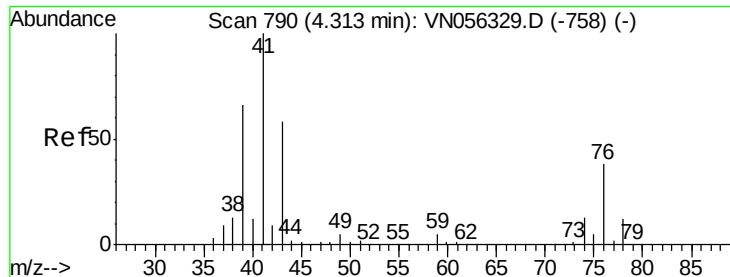
Tgt Ion: 56 Resp: 16641

Ion Ratio Lower Upper

56 100

55 70.4 56.4 84.6

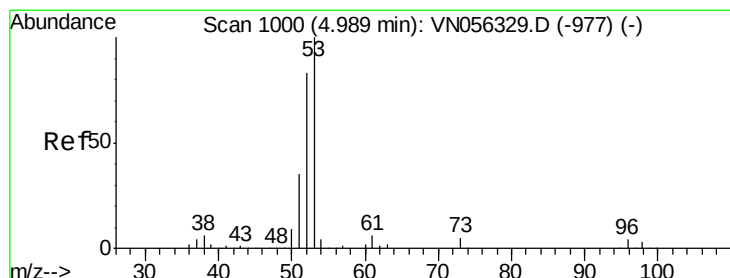
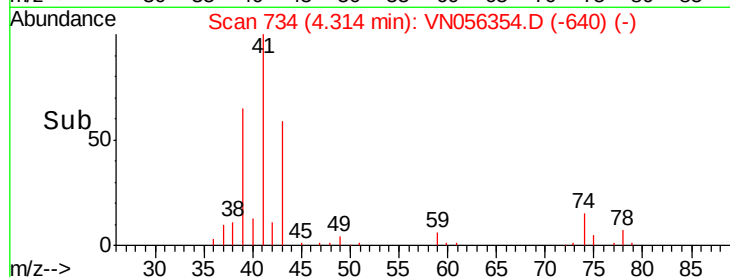
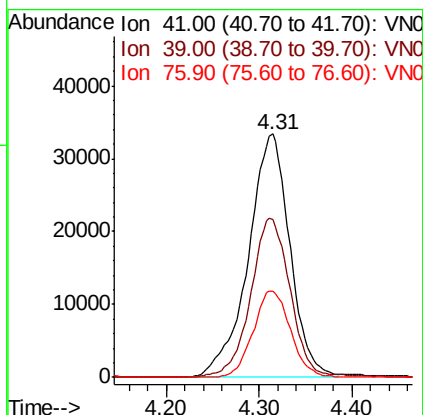
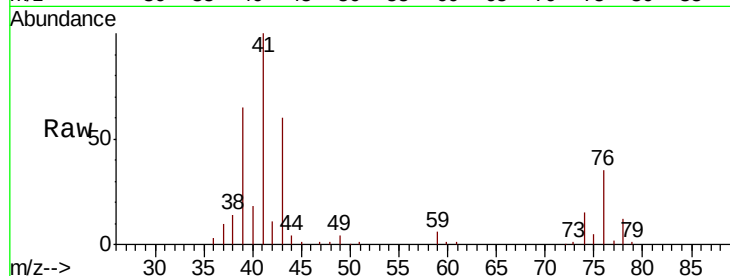




#14
Allvl chloride
Concen: 18.974 ug/l
RT: 4.31 min Scan# 734
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

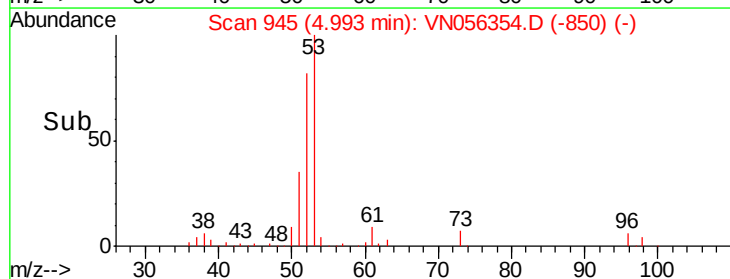
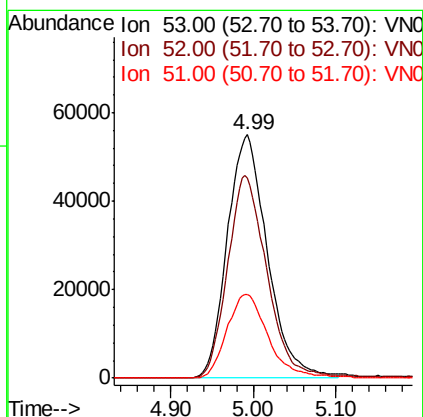
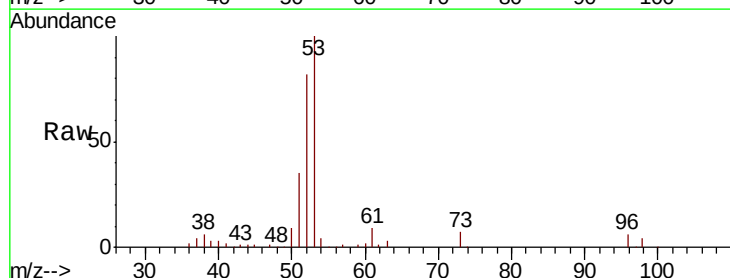
Instrument :
MSVOA_N
ClientSampled :

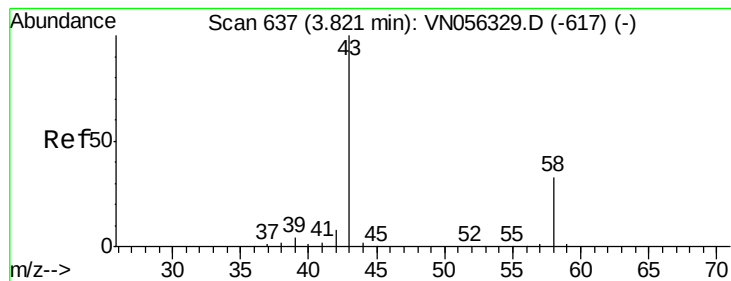
Tot Ion: 41 Resp: 104048
Ion Ratio Lower Upper
41 100
39 62.1 48.9 73.3
76 31.8 27.2 40.8



#15
Acrylonitrile
Concen: 103.749 ug/l
RT: 4.99 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion: 53 Resp: 184847
Ion Ratio Lower Upper
53 100
52 81.8 65.4 98.2
51 35.5 28.5 42.7





#16

Acetone

Concen: 89.010 ug/l

RT: 3.82 min Scan# 581

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

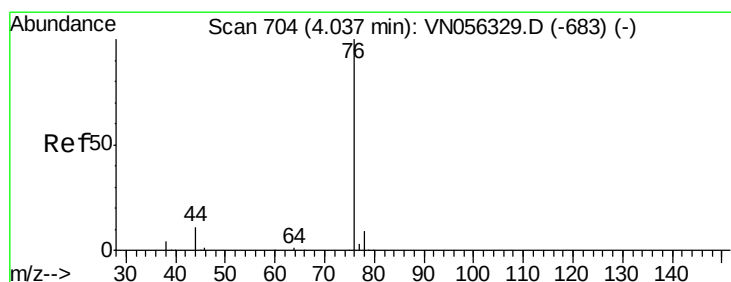
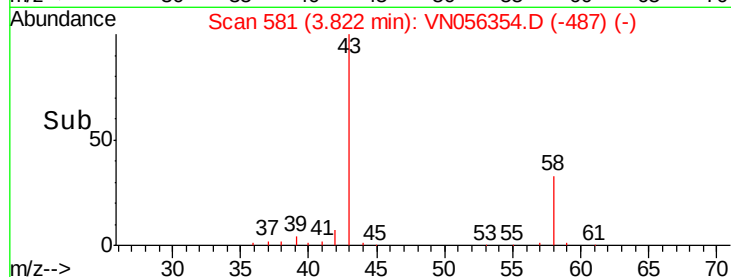
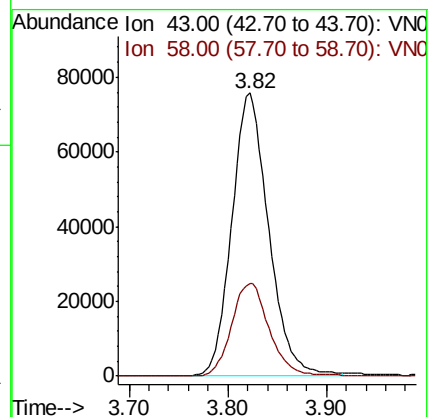
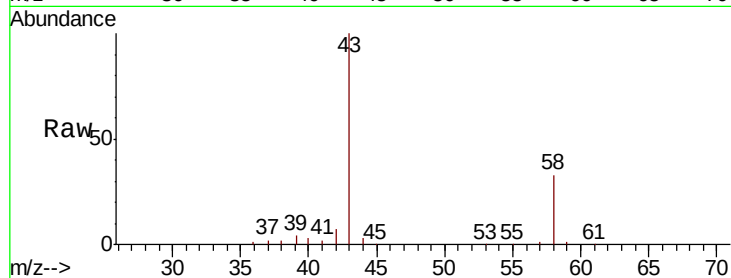
ClientSampled :

Tot Ion: 43 Resp: 194853

Ion Ratio Lower Upper

43 100

58 32.8 26.5 39.7



#17

Carbon Disulfide

Concen: 16.318 ug/l

RT: 4.04 min Scan# 648

Delta R.T. 0.00 min

Lab File: VN056354.D

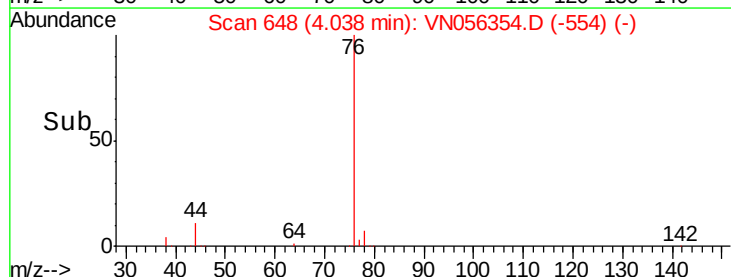
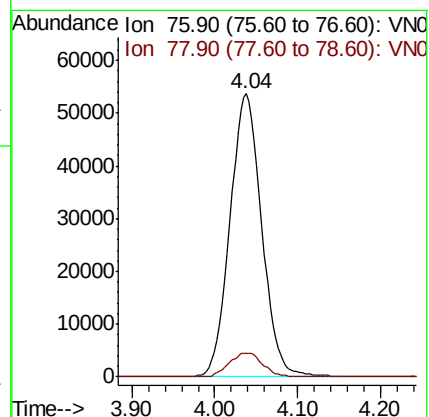
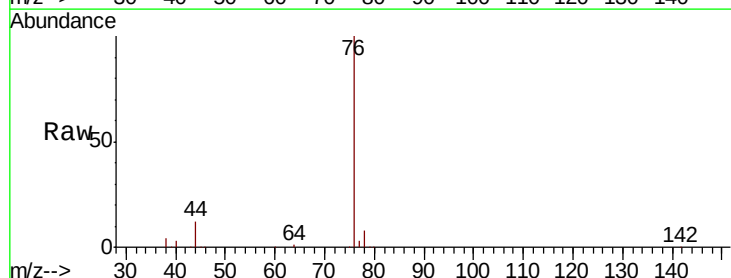
Acq: 18 Jun 2019 10:34

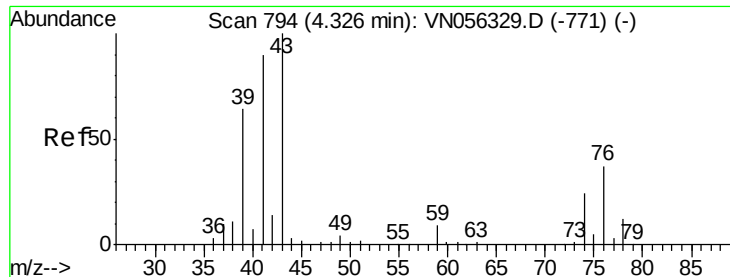
Tgt Ion: 76 Resp: 142768

Ion Ratio Lower Upper

76 100

78 8.2 7.3 10.9

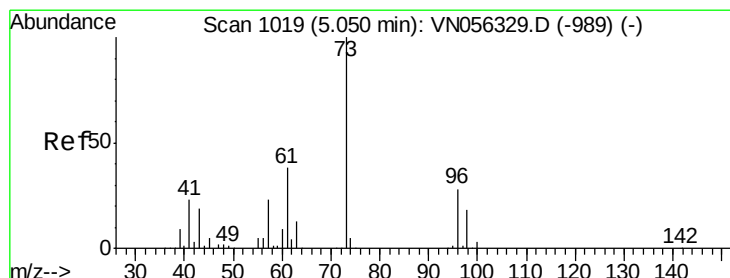
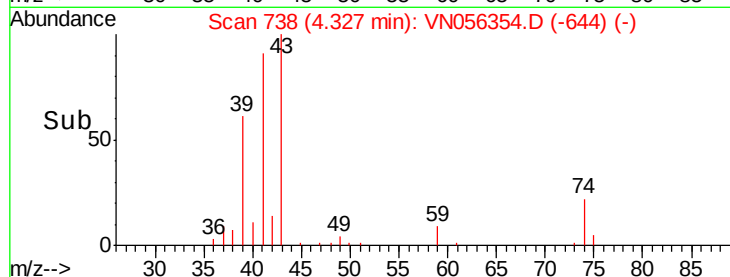
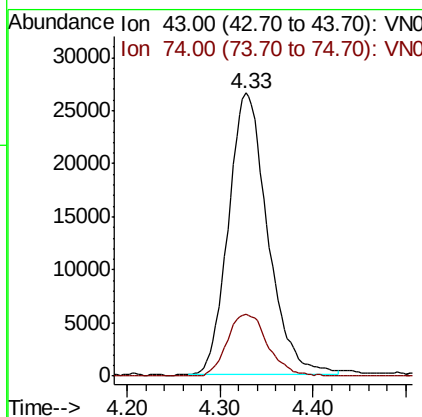
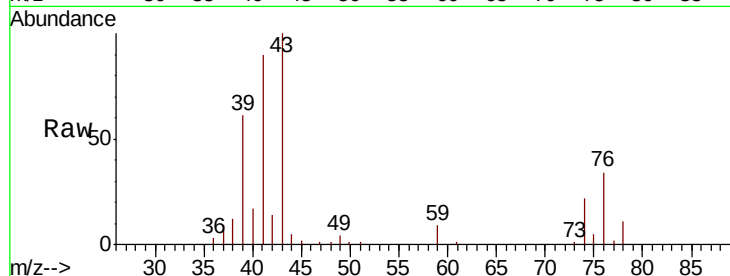




#18
Methyl Acetate
Concen: 19.309 ug/l
RT: 4.33 min Scan# 738
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

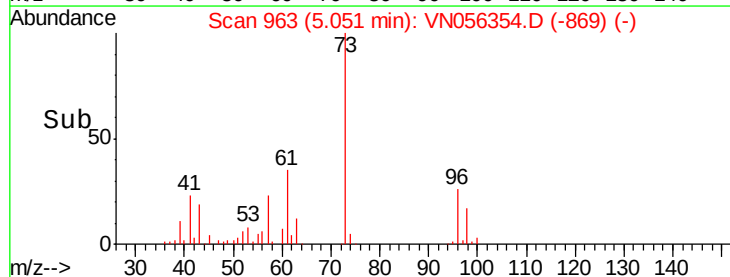
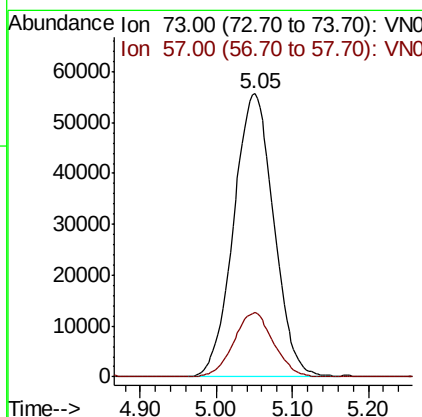
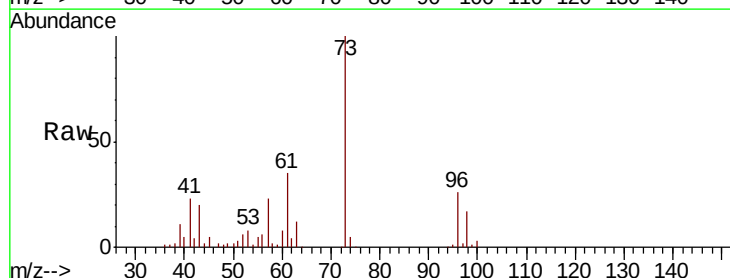
Instrument :
MSVOA_N
ClientSampled :

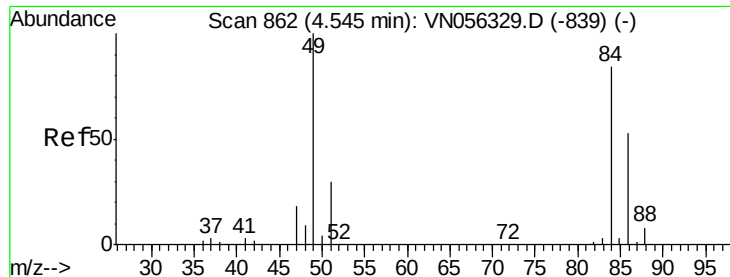
Tot Ion: 43 Resp: 77860
Ion Ratio Lower Upper
43 100
74 22.6 19.4 29.2



#19
Methyl tert-butyl Ether
Concen: 20.529 ug/l
RT: 5.05 min Scan# 963
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion: 73 Resp: 204715
Ion Ratio Lower Upper
73 100
57 22.8 18.1 27.1



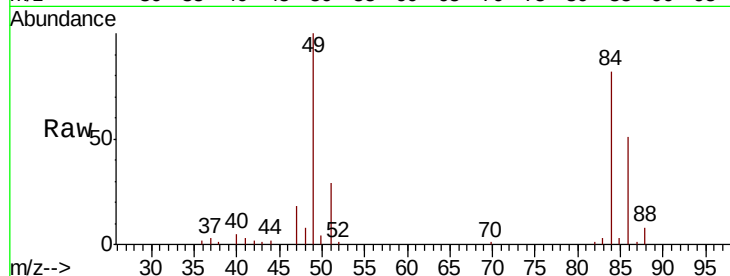


#20
Methylene Chloride
Concen: 19.812 ug/l
RT: 4.54 min Scan# 805
Delta R.T. -0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

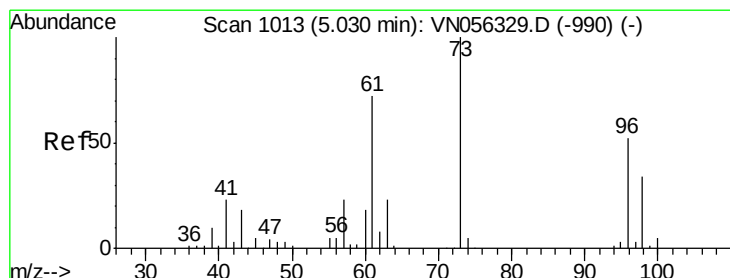
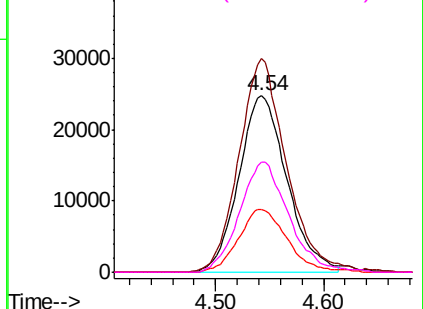
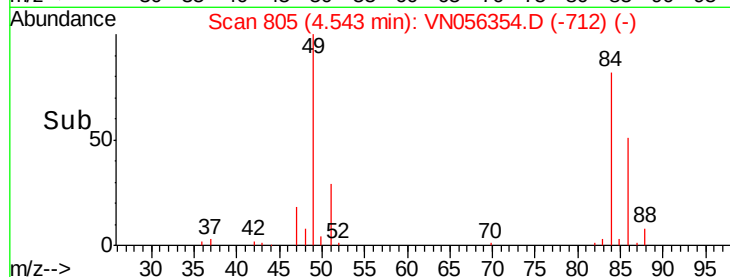
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 76582

Ion	Ratio	Lower	Upper
84	100		
49	121.3	95.0	142.6
51	35.7	28.2	42.4
86	62.4	50.6	75.8



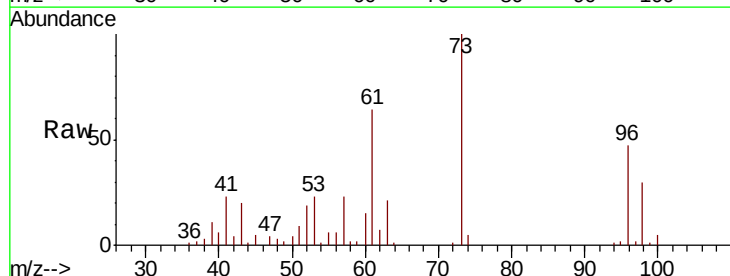
Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0



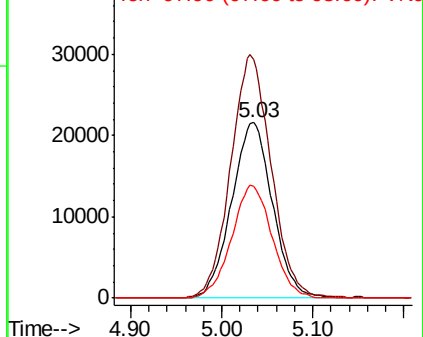
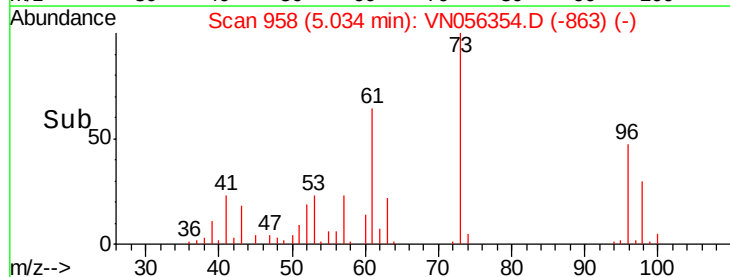
#21
trans-1,2-Dichloroethene
Concen: 19.392 ug/l
RT: 5.03 min Scan# 958
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

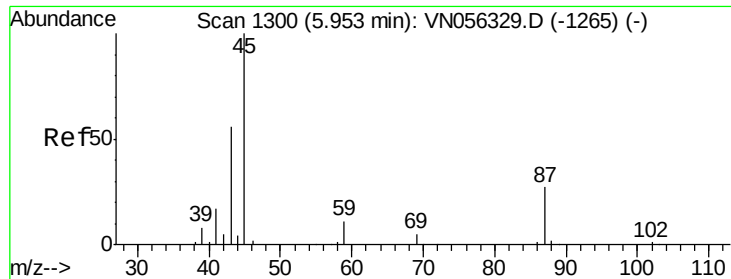
Tgt Ion: 96 Resp: 67446

Ion	Ratio	Lower	Upper
96	100		
61	134.9	109.8	164.6
98	63.7	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: 19.991 ug/l

RT: 5.96 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 45 Resp: 215489

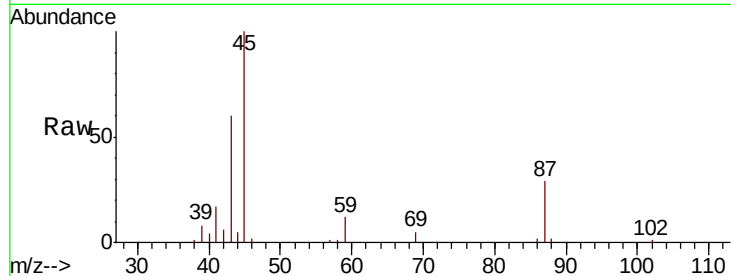
Ion	Ratio	Lower	Upper
45	100		
43	57.7	47.0	70.6
87	28.3	22.4	33.6
59	11.5	9.2	13.8

45 100

43 57.7 47.0 70.6

87 28.3 22.4 33.6

59 11.5 9.2 13.8



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

Time-->

5.80 5.90 6.00 6.10

400000

300000

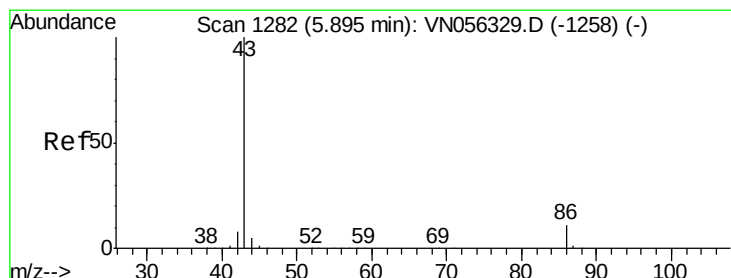
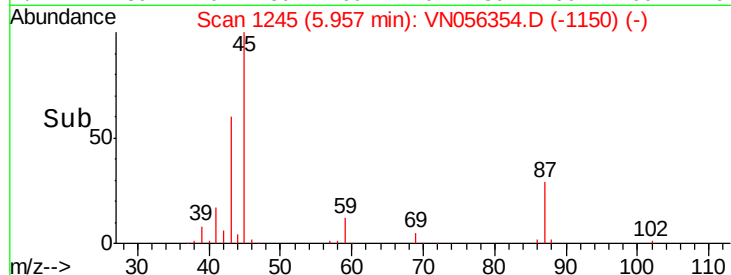
200000

100000

0

5.96

5.80 5.90 6.00 6.10



#23

Vinyl Acetate

Concen: 100.974 ug/l

RT: 5.90 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VN056354.D

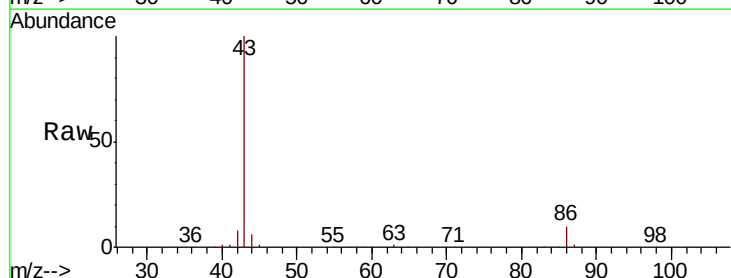
Acq: 18 Jun 2019 10:34

Tgt Ion: 43 Resp: 885550

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.5	12.7

43 100

86 10.4 8.5 12.7



Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

Time-->

5.80 5.90 6.00 6.10

300000

250000

200000

150000

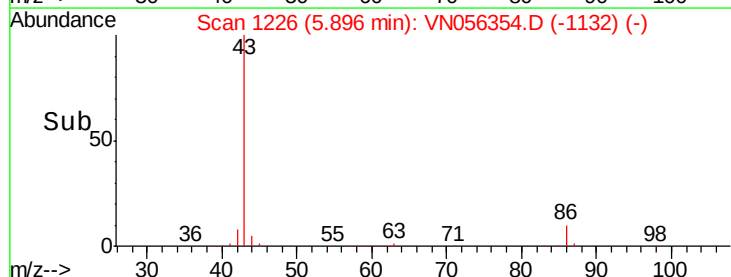
100000

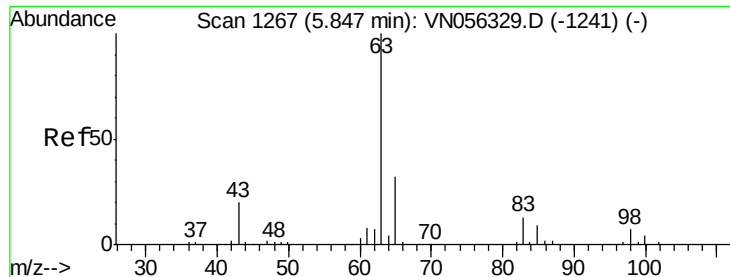
50000

0

5.90

5.80 5.90 6.00 6.10





#24

1,1-Dichloroethane

Concen: 19.861 ug/l

RT: 5.84 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampled :

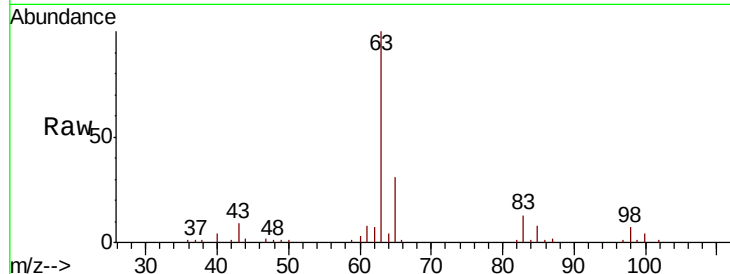
Tot Ion: 63 Resp: 125521

Ion Ratio Lower Upper

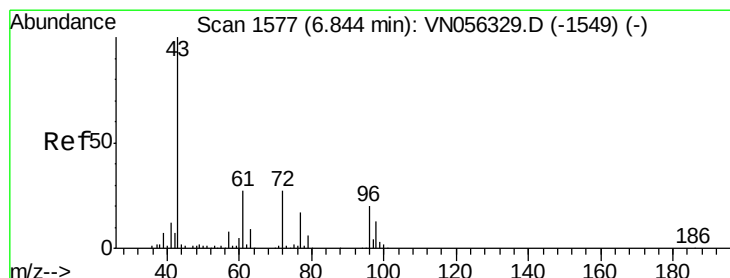
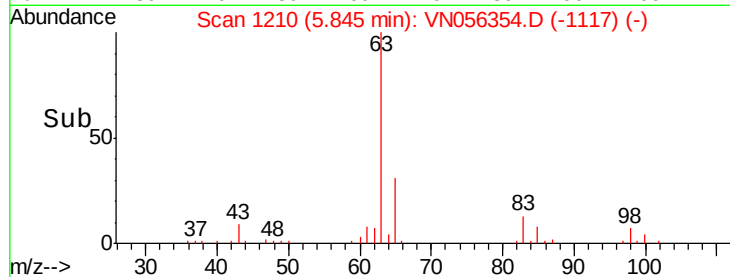
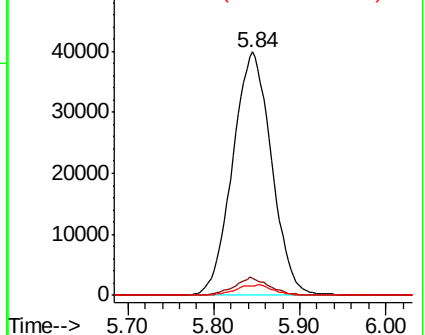
63 100

98 7.2 3.3 9.8

100 3.9 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0



#25

2-Butanone

Concen: 98.414 ug/l

RT: 6.84 min Scan# 1521

Delta R.T. 0.00 min

Lab File: VN056354.D

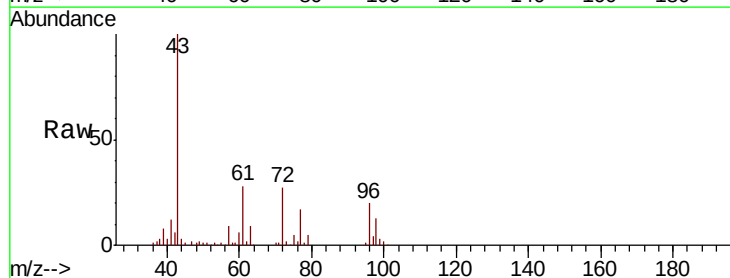
Acq: 18 Jun 2019 10:34

Tgt Ion: 43 Resp: 261128

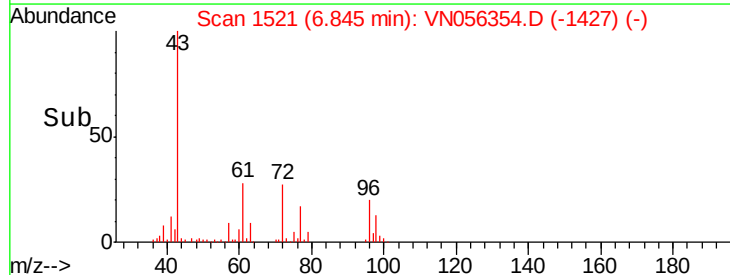
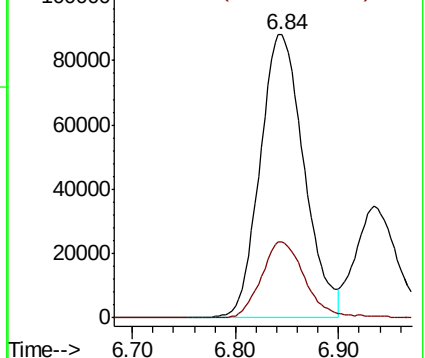
Ion Ratio Lower Upper

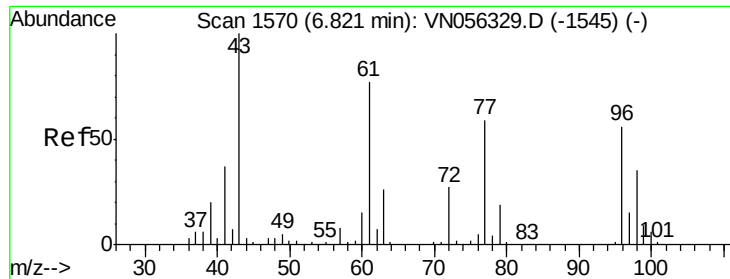
43 100

72 26.9 21.4 32.2



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

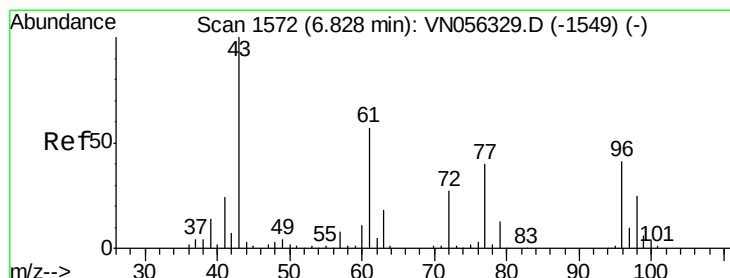
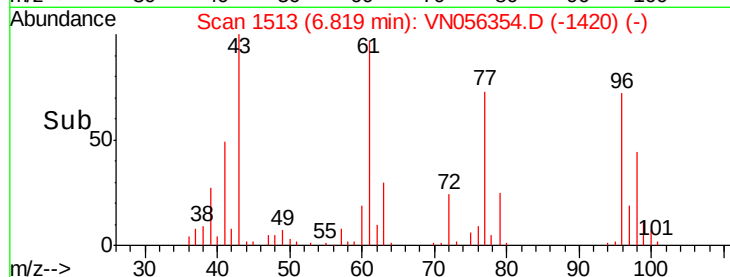
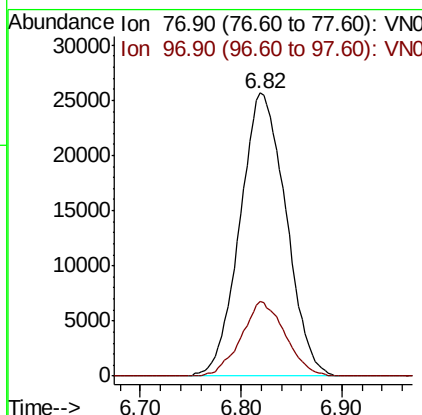
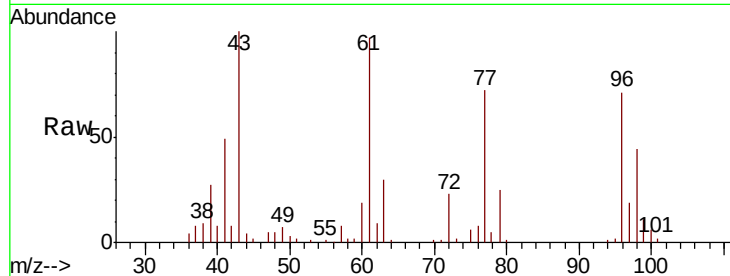




#26
 2,2-Dichloropropane
 Concen: 17.767 ug/l
 RT: 6.82 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

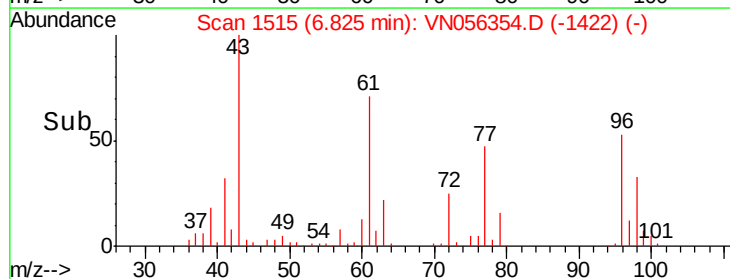
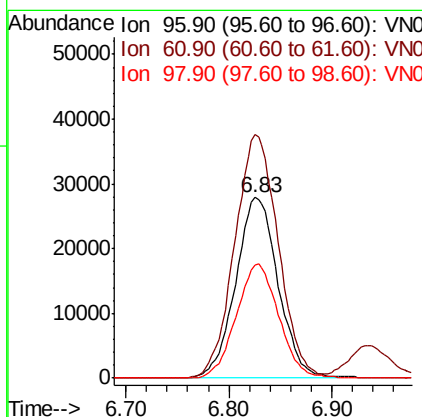
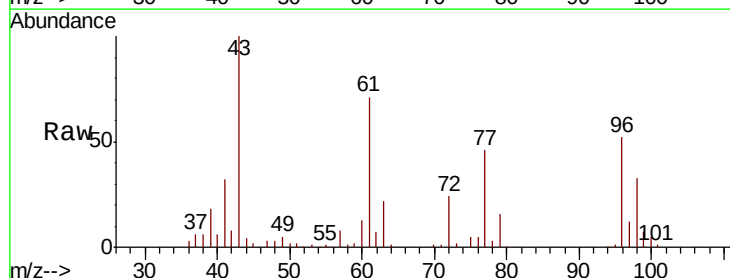
Instrument :
 MSVOA_N
 ClientSampled :

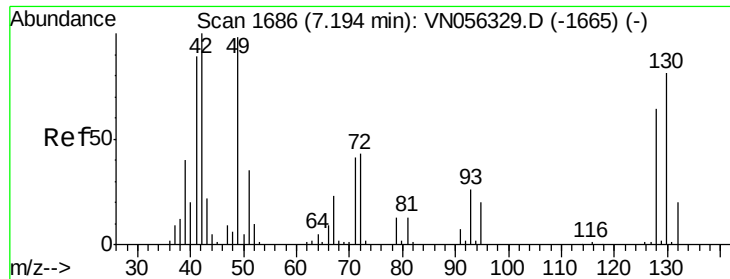
Tot Ion: 77 Resp: 81198
 Ion Ratio Lower Upper
 77 100
 97 25.2 12.2 36.6



#27
 cis-1,2-Dichloroethene
 Concen: 19.774 ug/l
 RT: 6.83 min Scan# 1515
 Delta R.T. -0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Tgt Ion: 96 Resp: 79654
 Ion Ratio Lower Upper
 96 100
 61 138.5 0.0 278.6
 98 63.1 0.0 127.0





#28

Bromochloromethane

Concen: 21.854 ug/l

RT: 7.20 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

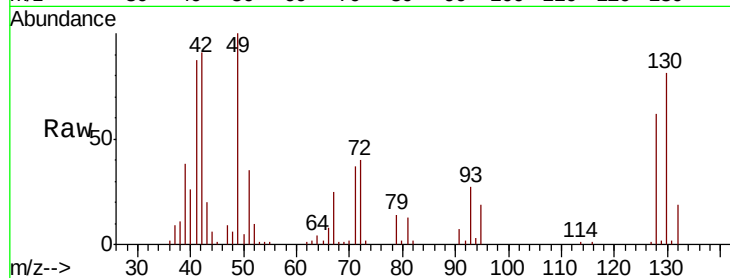
Tot Ion: 49 Resp: 69164

Ion Ratio Lower Upper

49 100

129 0.9 0.0 4.4

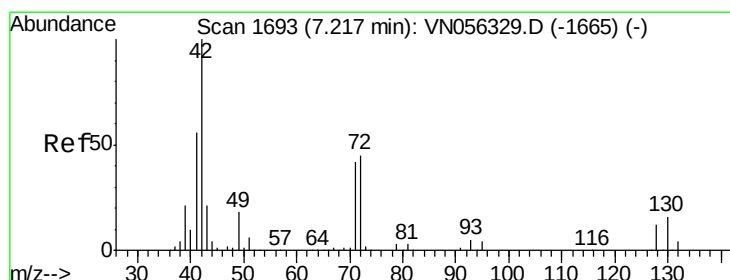
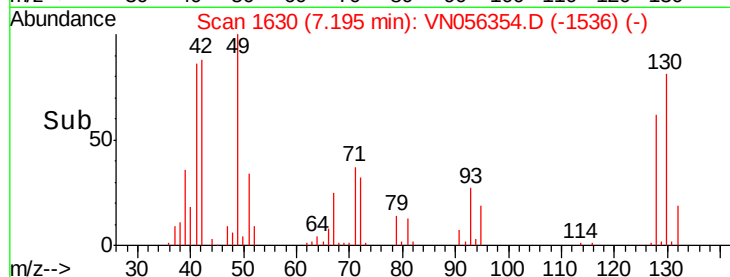
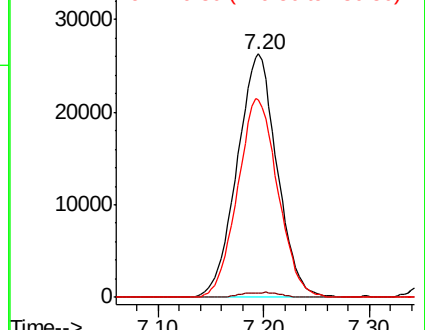
130 81.9 66.4 99.6



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 102.196 ug/l

RT: 7.22 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

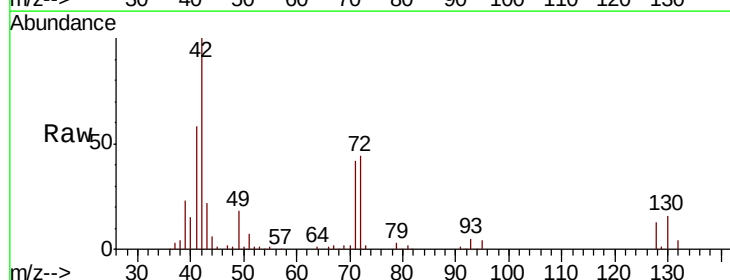
Tgt Ion: 42 Resp: 161071

Ion Ratio Lower Upper

42 100

72 44.4 35.3 52.9

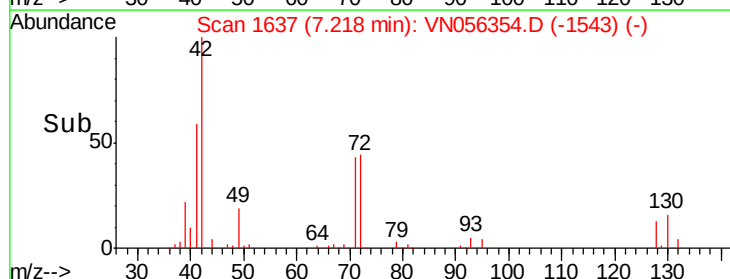
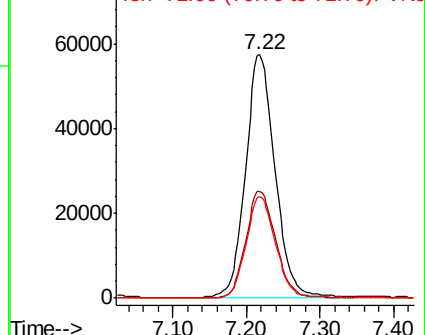
71 41.4 32.7 49.1

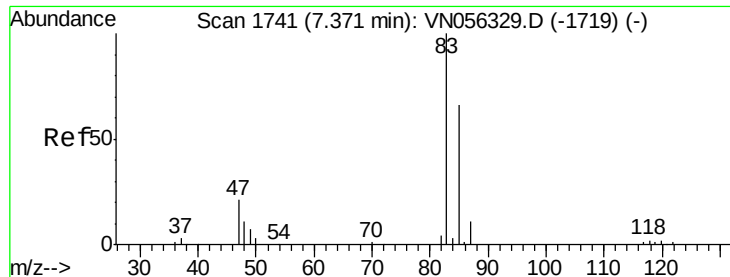


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

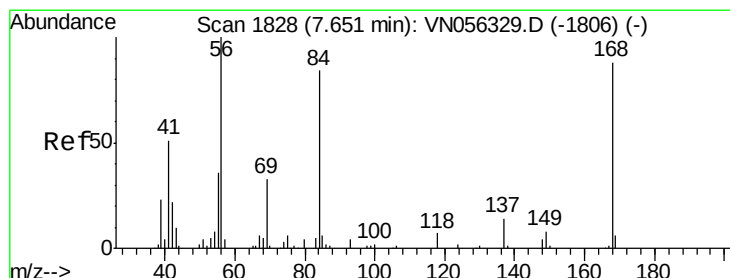
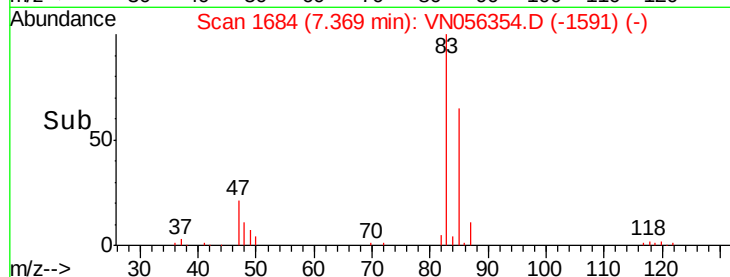
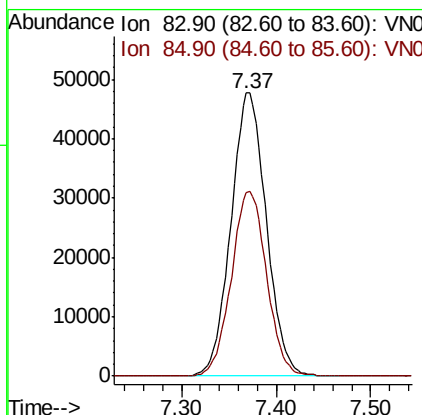
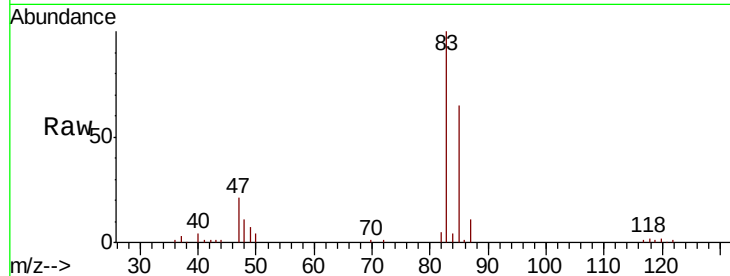




#30
Chloroform
Concen: 19.711 ug/l
RT: 7.37 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

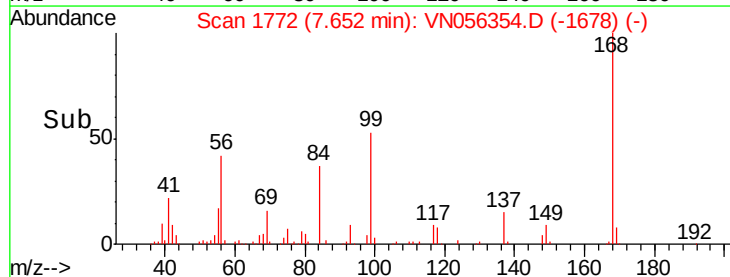
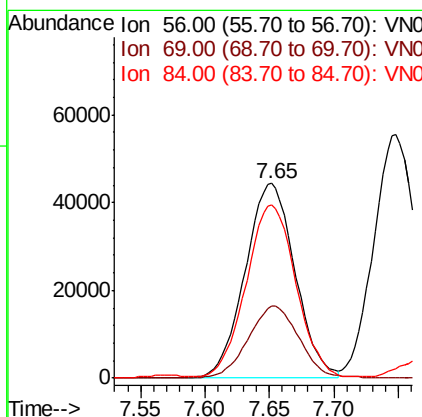
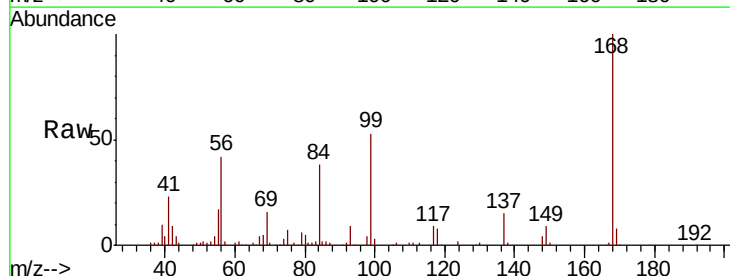
Instrument :
MSVOA_N
ClientSampleId :

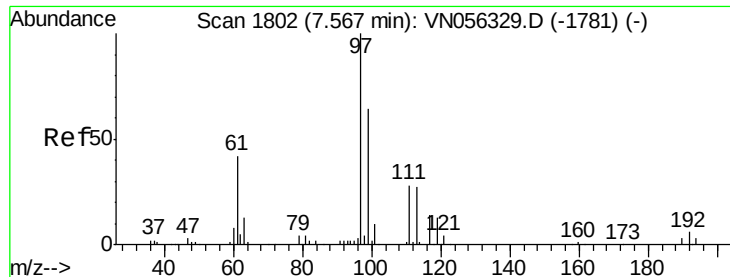
Tot Ion: 83 Resp: 124087
Ion Ratio Lower Upper
83 100
85 64.9 52.6 78.8



#31
Cyclohexane
Concen: 19.621 ug/l
RT: 7.65 min Scan# 1772
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion: 56 Resp: 119807
Ion Ratio Lower Upper
56 100
69 37.1 26.0 39.0
84 87.9 67.4 101.0





#32

1,1,1-Trichloroethane

Concen: 18.802 ug/l

RT: 7.57 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

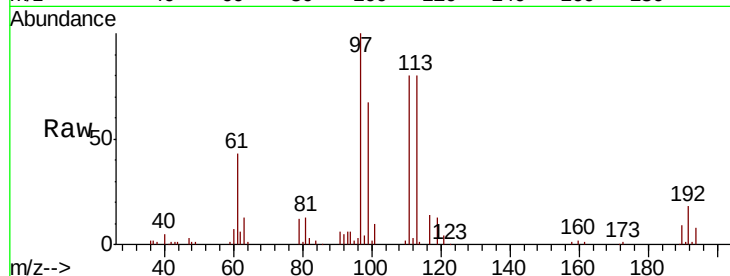
Tot Ion: 97 Resp: 98047

Ion Ratio Lower Upper

97 100

99 65.5 51.4 77.0

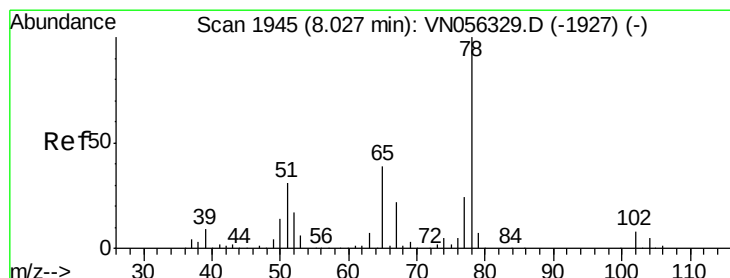
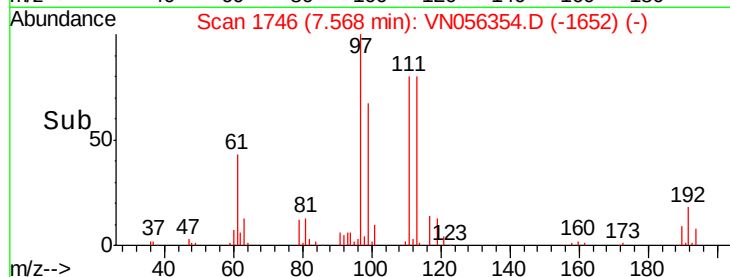
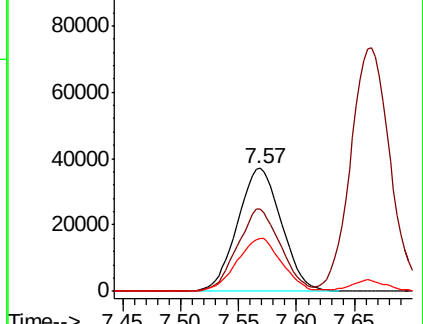
61 43.7 34.4 51.6



Abundance Ion 96.90 (96.60 to 97.60): VN056329.D (-1781) (-)

Ion 98.90 (98.60 to 99.60): VN056329.D (-1781) (-)

Ion 60.90 (60.60 to 61.60): VN056329.D (-1781) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.616 ug/l

RT: 8.03 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VN056354.D

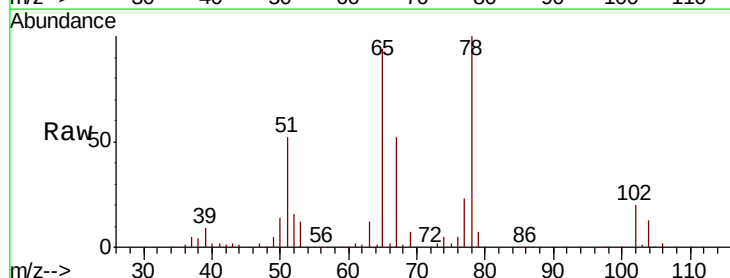
Acq: 18 Jun 2019 10:34

Tgt Ion: 65 Resp: 204488

Ion Ratio Lower Upper

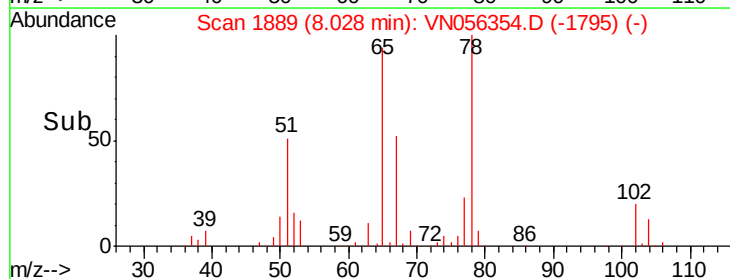
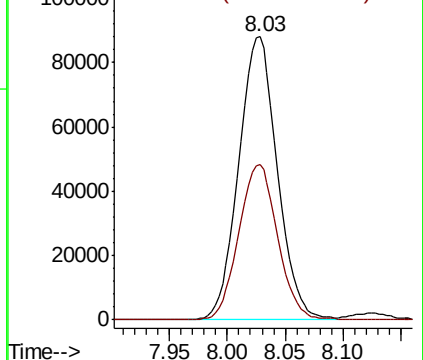
65 100

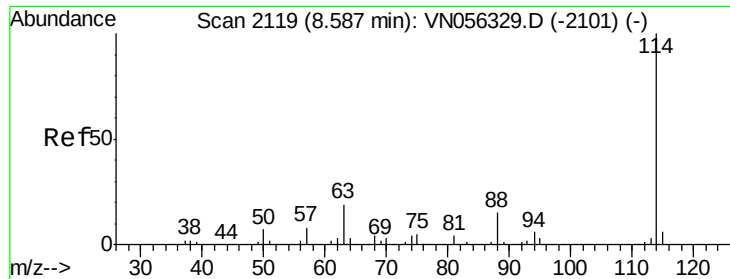
67 55.3 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VN056329.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN056329.D (-1927) (-)

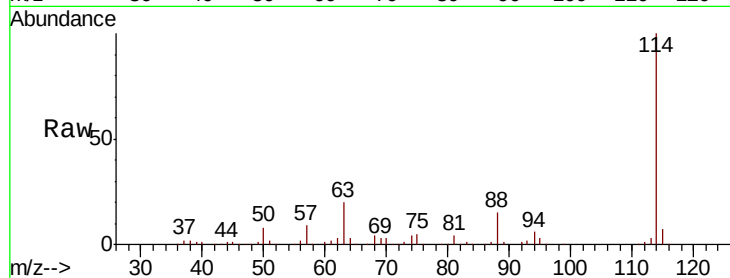




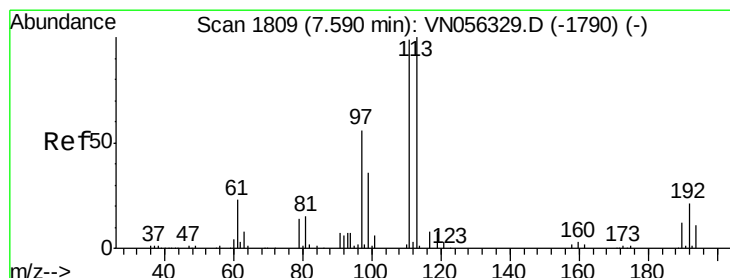
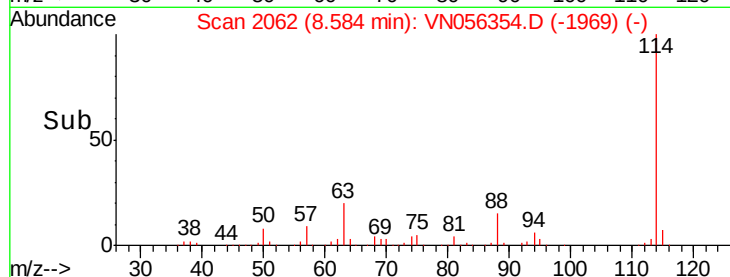
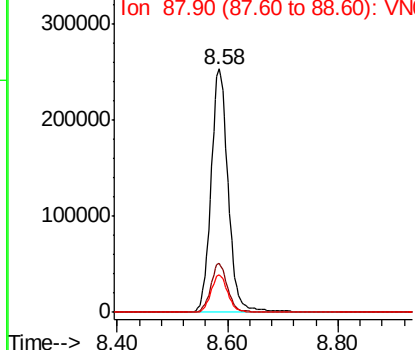
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2062
Delta R.T. -0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 544450
Ion Ratio Lower Upper
114 100
63 19.9 0.0 38.8
88 15.3 0.0 30.6

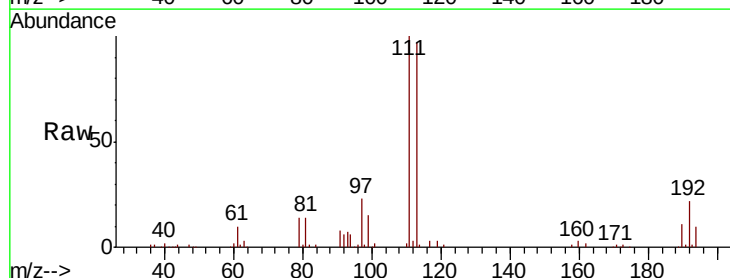


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

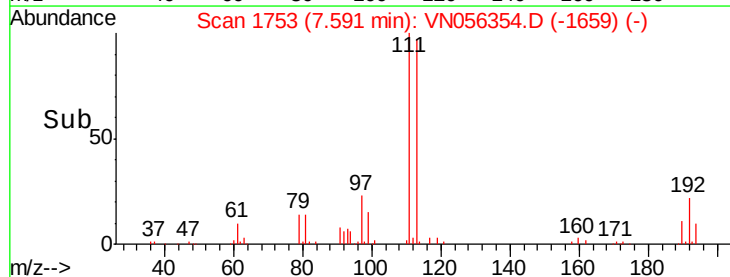
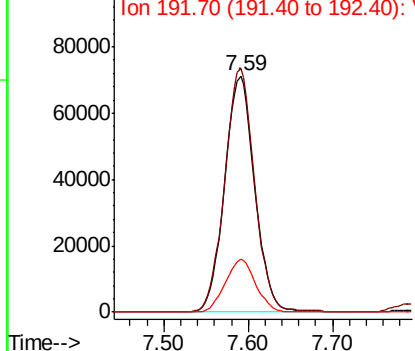


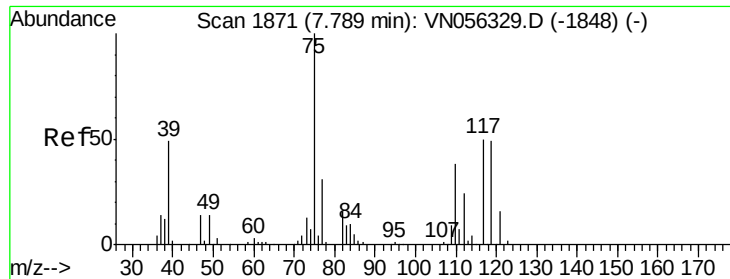
#35
Dibromofluoromethane
Concen: 50.681 ug/l
RT: 7.59 min Scan# 1753
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion:113 Resp: 176951
Ion Ratio Lower Upper
113 100
111 102.1 82.1 123.1
192 22.4 17.6 26.4



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: 19.045 ug/l

RT: 7.79 min Scan# 1815

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

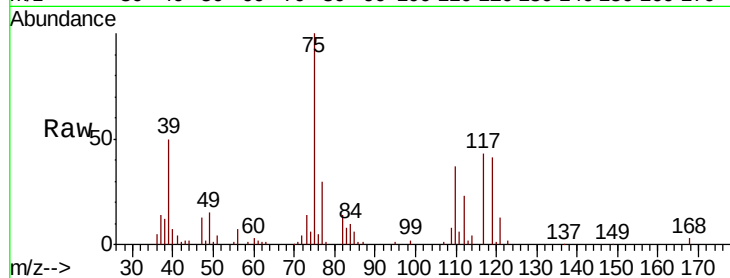
Tot Ion: 75 Resp: 93310

Ion Ratio Lower Upper

75 100

110 36.3 18.6 56.0

77 30.4 25.0 37.6

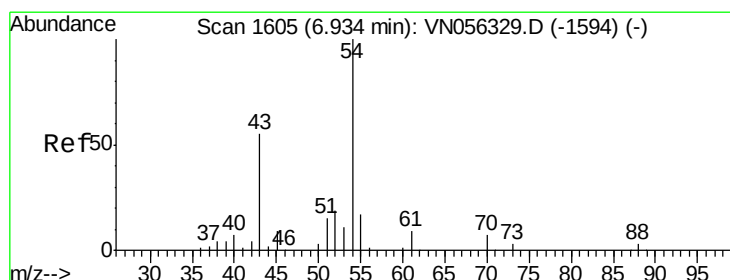
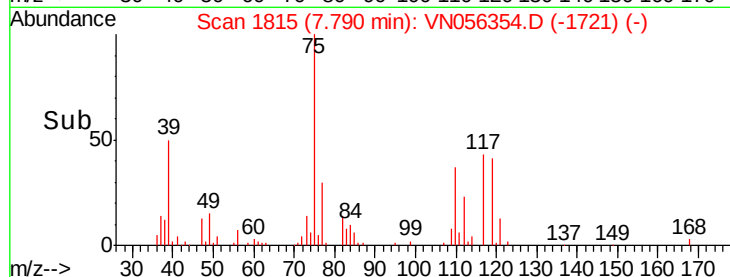


Abundance Ion 74.90 (74.60 to 75.60): VN056329.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN056329.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN056329.D (-1848) (-)

Time-->



#37

Ethyl Acetate

Concen: 20.914 ug/l

RT: 6.93 min Scan# 1549

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

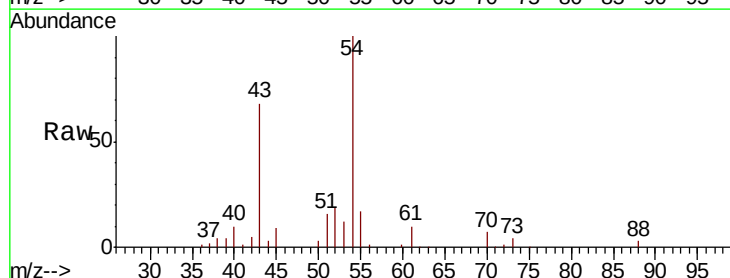
Tgt Ion: 43 Resp: 97104

Ion Ratio Lower Upper

43 100

61 15.0 11.7 17.5

70 10.3 8.3 12.5

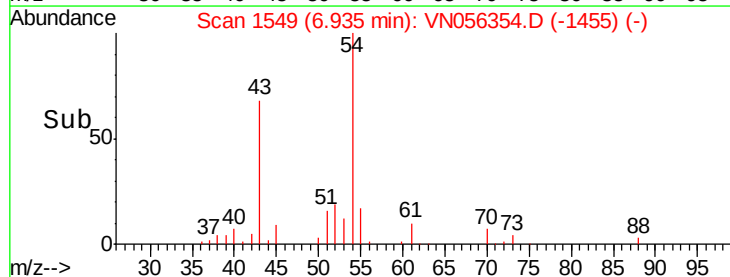


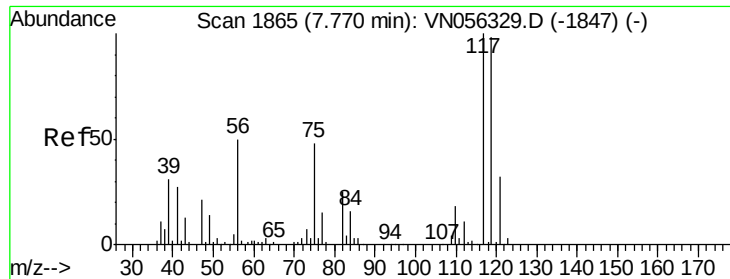
Abundance Ion 43.00 (42.70 to 43.70): VN056329.D (-1594) (-)

Ion 60.90 (60.60 to 61.60): VN056329.D (-1594) (-)

Ion 70.00 (69.70 to 70.70): VN056329.D (-1594) (-)

Time-->





#38

Carbon Tetrachloride

Concen: 17.536 ug/l

RT: 7.77 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

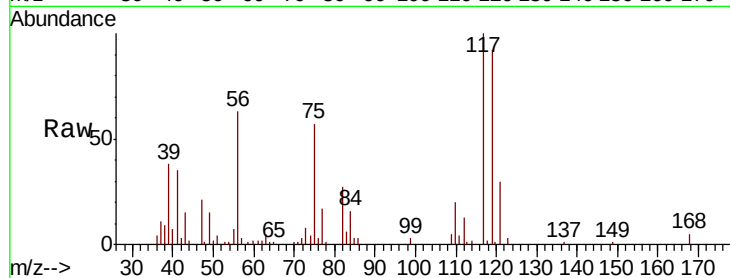
Tot Ion:117 Resp: 82464

Ion Ratio Lower Upper

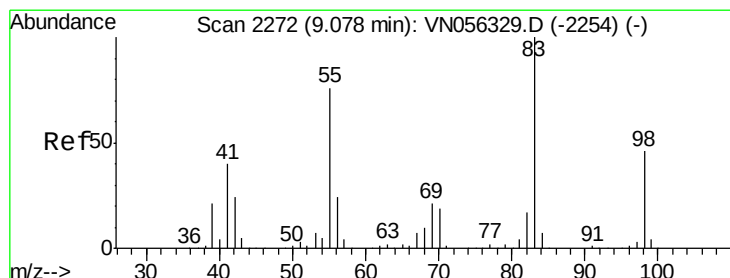
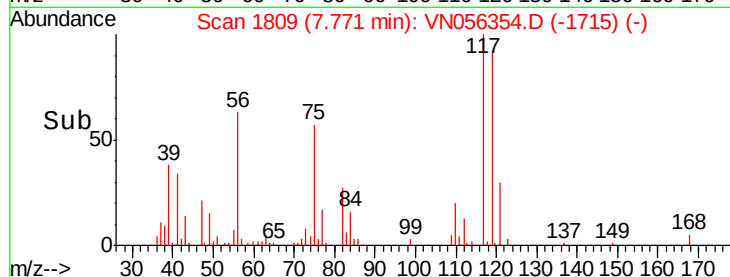
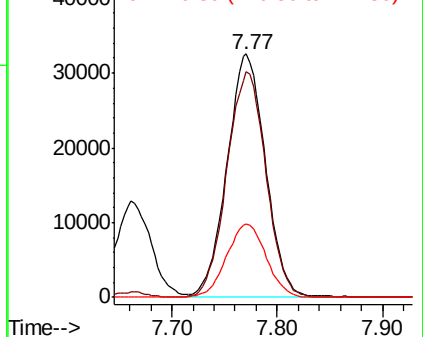
117 100

119 92.5 77.8 116.8

121 30.1 25.3 37.9



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

Methylcyclohexane

Concen: 19.269 ug/l

RT: 9.08 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

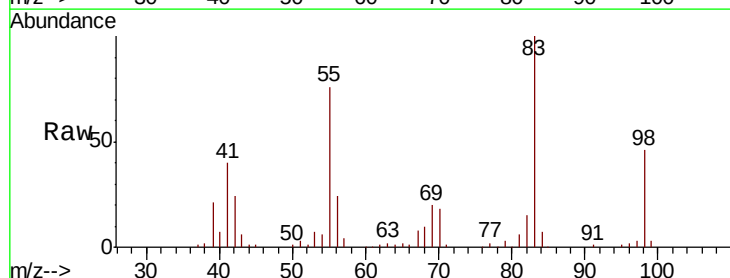
Tgt Ion: 83 Resp: 115153

Ion Ratio Lower Upper

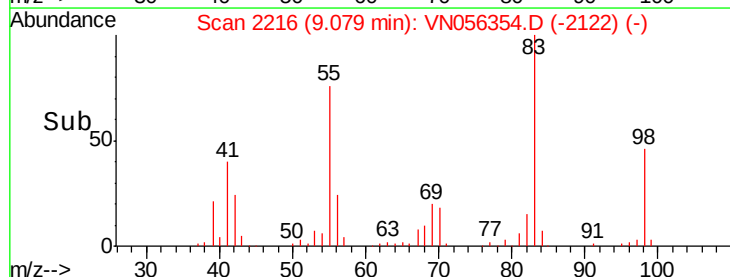
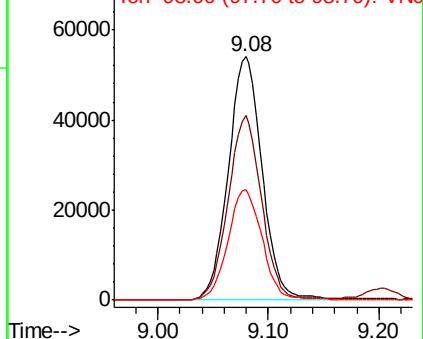
83 100

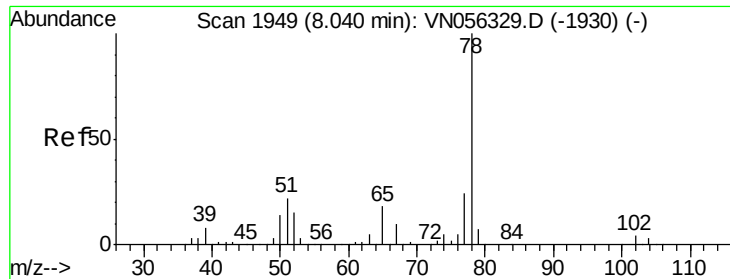
55 75.9 60.8 91.2

98 45.6 36.8 55.2



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





#40

Benzene

Concen: 19.917 ug/l

RT: 8.04 min Scan# 1892

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

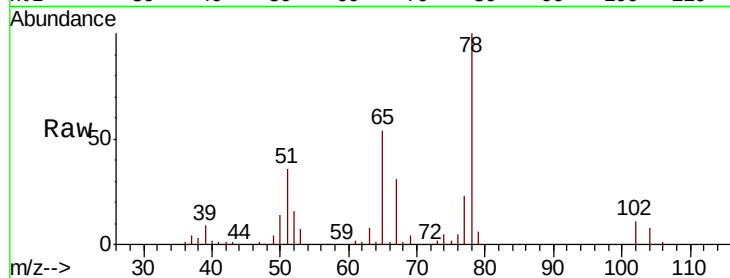
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 78 Resp: 296017

Ion Ratio Lower Upper

78 100

77 23.3 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

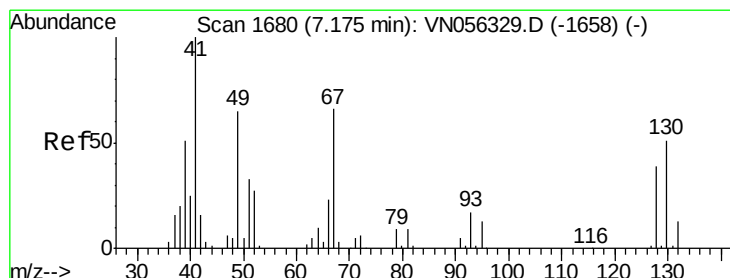
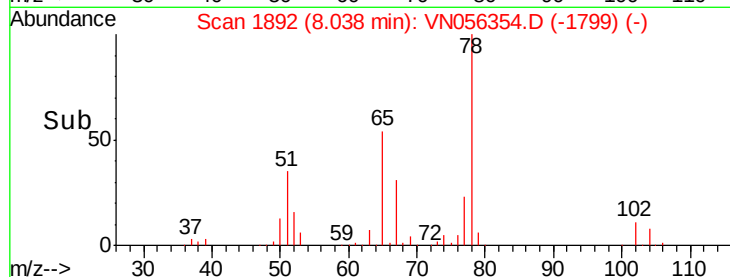
8.04

100000

50000

0

Time--> 7.90 8.00 8.10 8.20



#41

Methacrylonitrile

Concen: 67.352 ug/l

RT: 7.22 min Scan# 1637

Delta R.T. 0.04 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Tgt Ion: 41 Resp: 143596

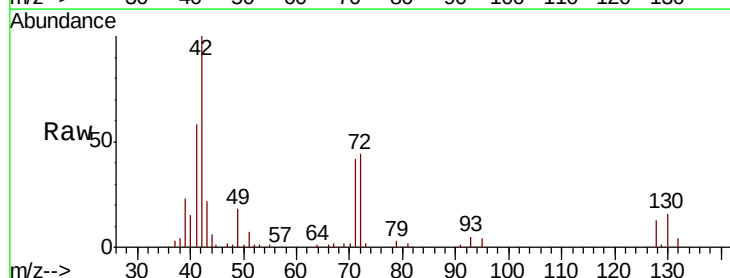
Ion Ratio Lower Upper

41 100

39 0.0 44.5 66.7#

67 0.0 69.0 103.4#

52 0.0 28.1 42.1#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

7.22

50000

40000

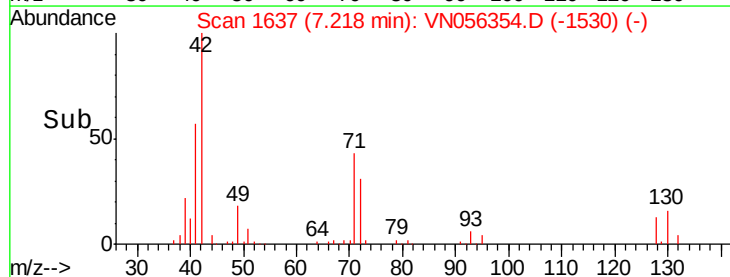
30000

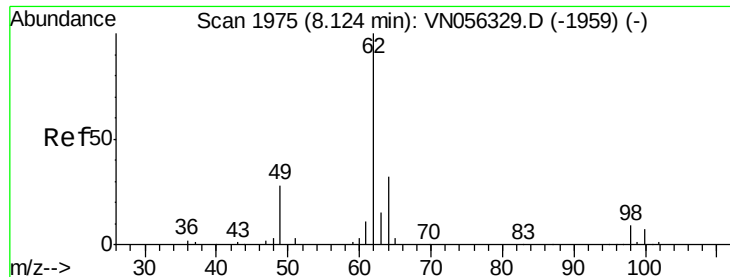
20000

10000

0

Time--> 7.10 7.20 7.30

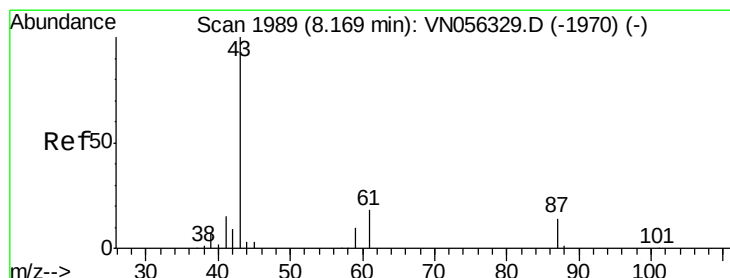
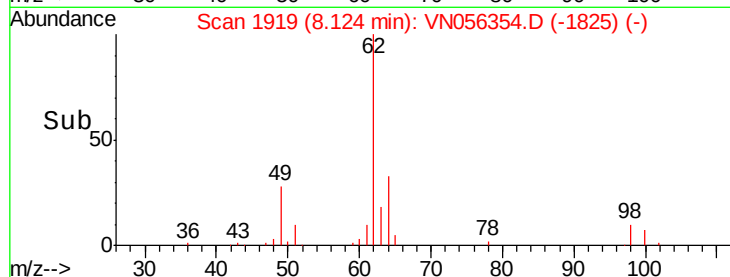
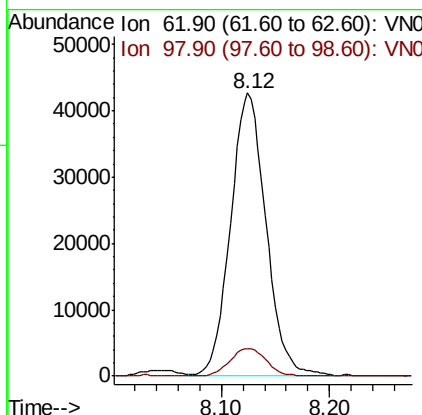
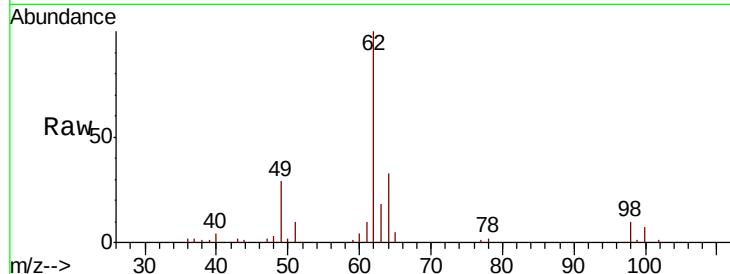




#42
 1,2-Dichloroethane
 Concen: 20.068 ug/l
 RT: 8.12 min Scan# 1919
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

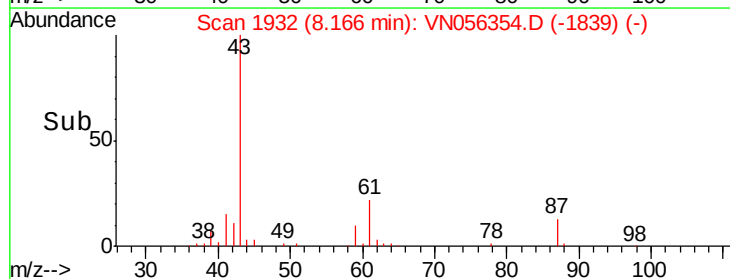
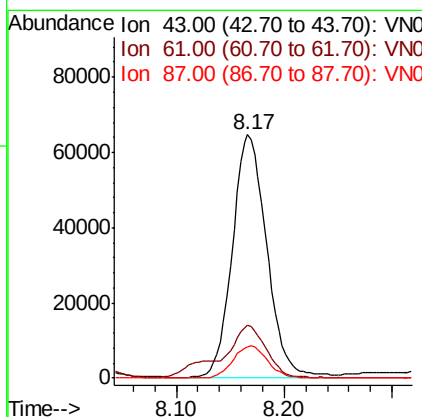
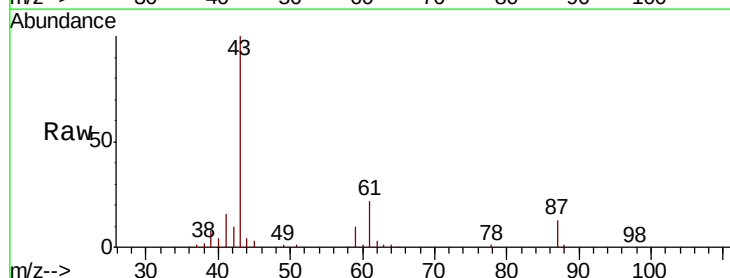
Instrument :
 MSVOA_N
 ClientSampleId :

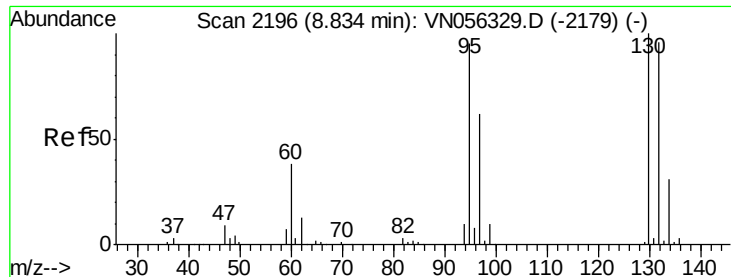
Tot Ion: 62 Resp: 97812
 Ion Ratio Lower Upper
 62 100
 98 10.1 0.0 19.4



#43
 Isopropyl Acetate
 Concen: 19.196 ug/l
 RT: 8.17 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Tgt Ion: 43 Resp: 142571
 Ion Ratio Lower Upper
 43 100
 61 28.4 16.6 25.0#
 87 13.3 11.0 16.4





#44

Trichloroethene

Concen: 19.584 ug/l

RT: 8.83 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

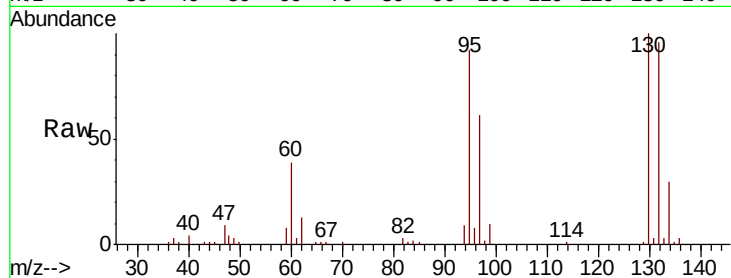
ClientSampled :

Tot Ion:130 Resp: 79151

Ion Ratio Lower Upper

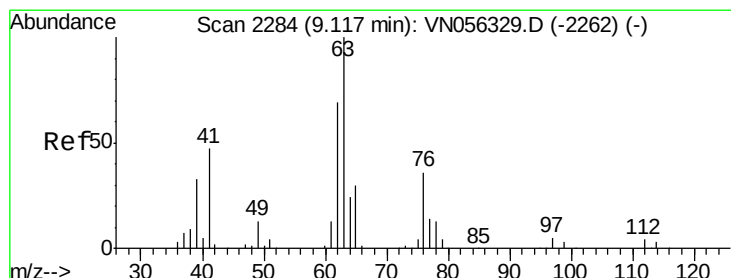
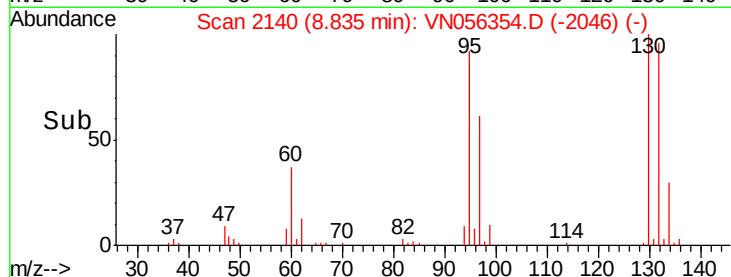
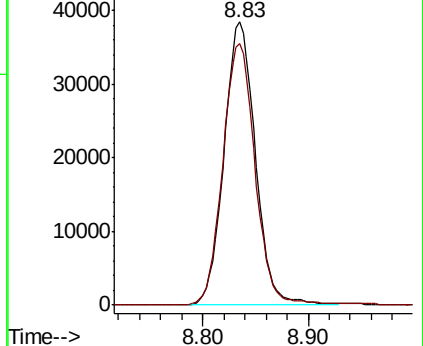
130 100

95 92.2 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#45

1,2-Dichloropropane

Concen: 19.818 ug/l

RT: 9.12 min Scan# 2228

Delta R.T. 0.00 min

Lab File: VN056354.D

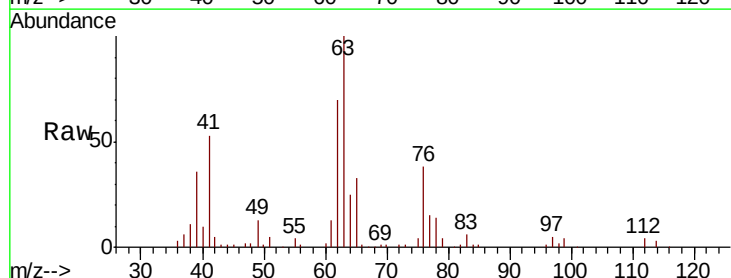
Acq: 18 Jun 2019 10:34

Tgt Ion: 63 Resp: 77842

Ion Ratio Lower Upper

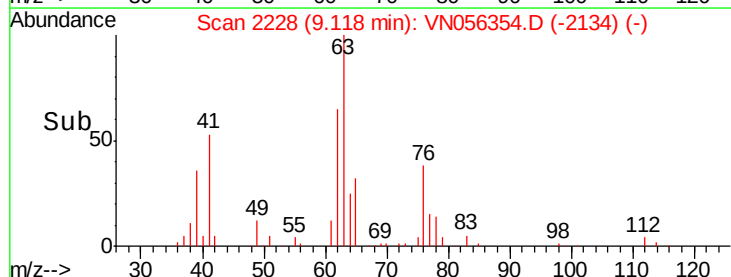
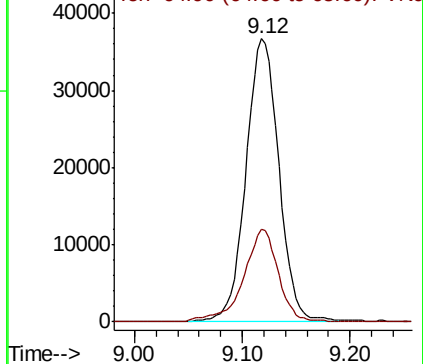
63 100

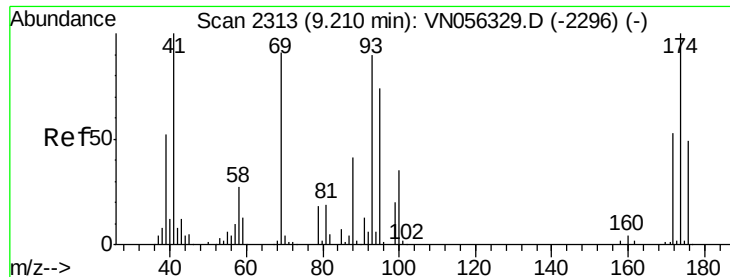
65 32.6 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

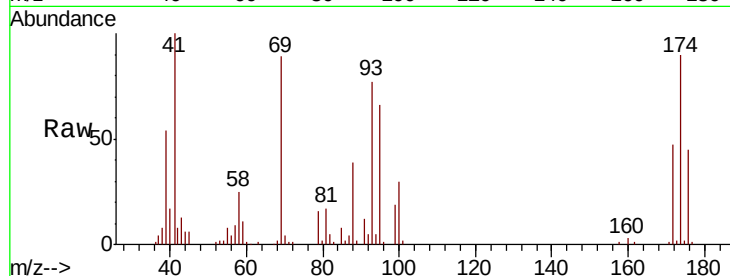




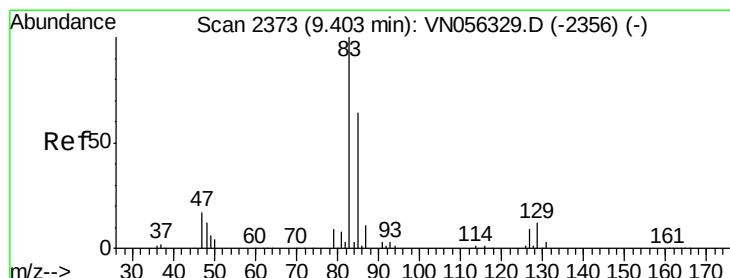
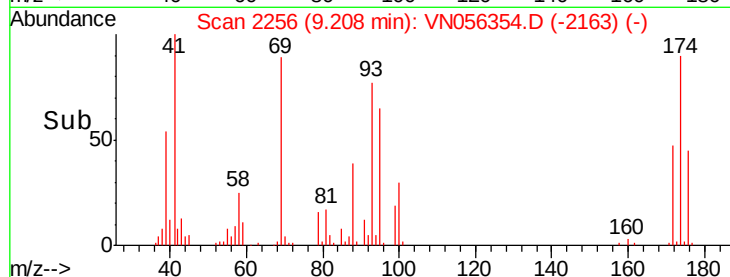
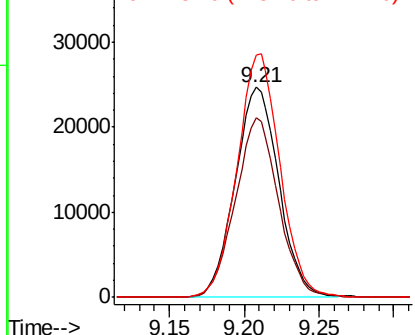
#46
Dibromomethane
Concen: 19.246 ug/l
RT: 9.21 min Scan# 2256
Delta R.T. -0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 93 Resp: 50236
Ion Ratio Lower Upper
93 100
95 84.2 67.2 100.8
174 113.7 90.3 135.5

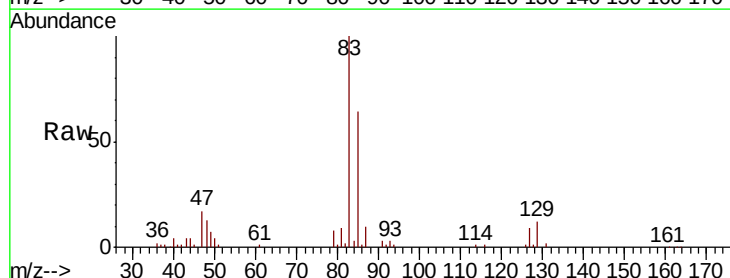


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

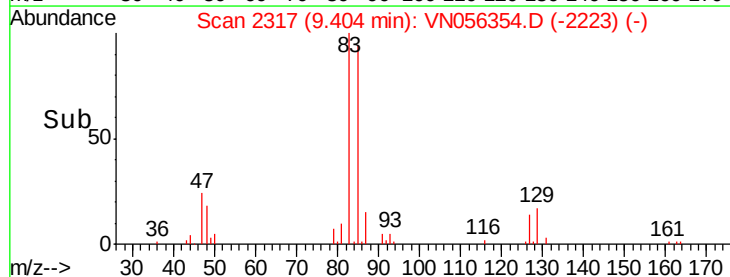
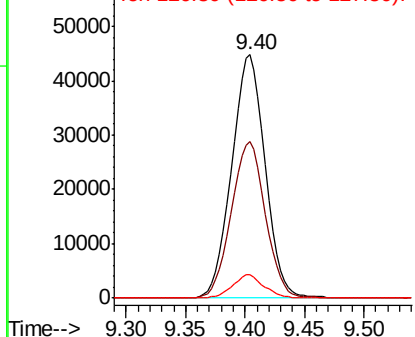


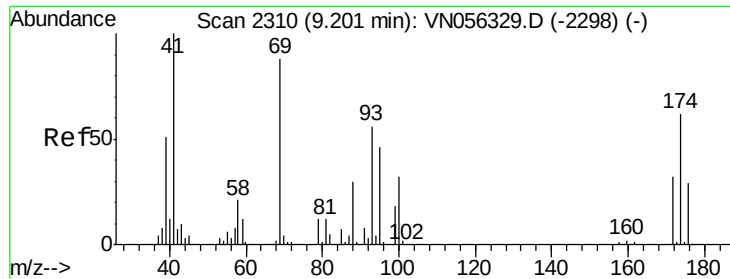
#47
Bromodichloromethane
Concen: 17.474 ug/l
RT: 9.40 min Scan# 2317
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion: 83 Resp: 87140
Ion Ratio Lower Upper
83 100
85 64.1 51.1 76.7
127 9.4 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

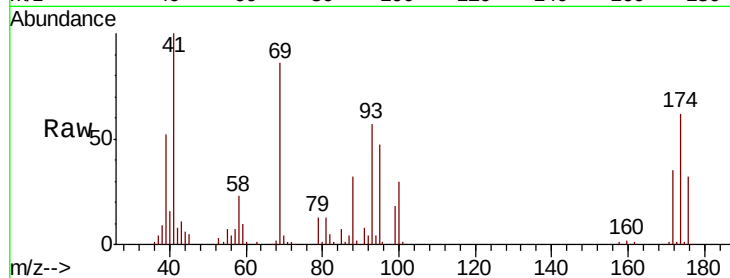




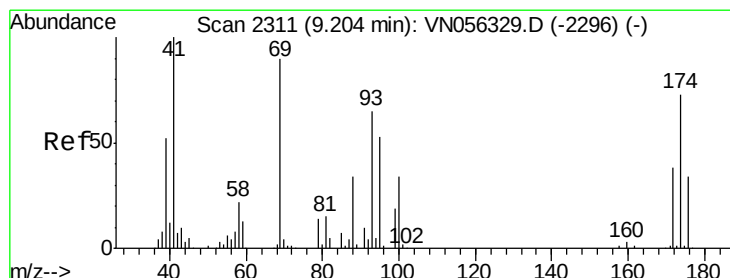
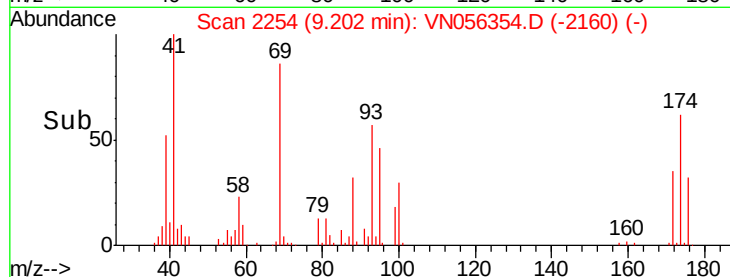
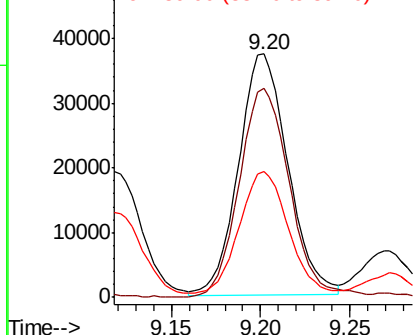
#48
Methvl methacrylate
Concen: 19.342 ug/l
RT: 9.20 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 72478
Ion Ratio Lower Upper
41 100
69 88.1 71.0 106.6
39 53.4 41.7 62.5

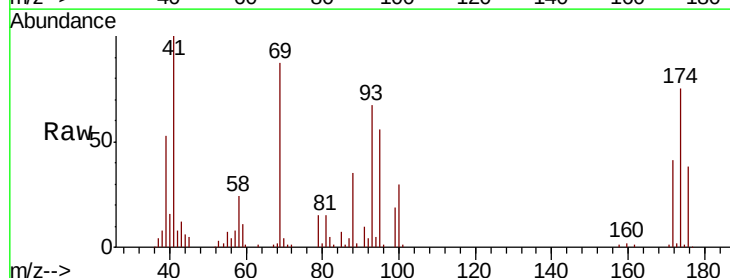


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

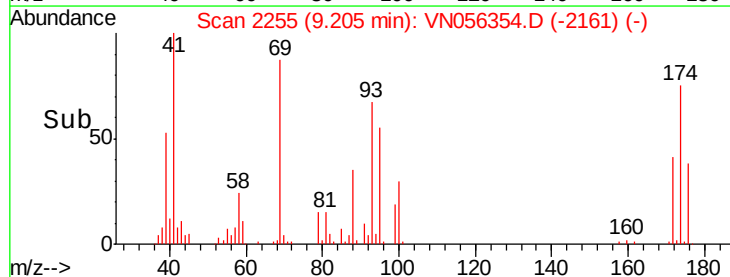
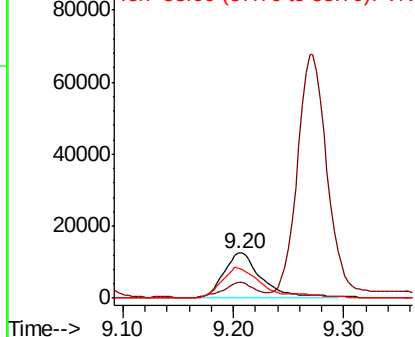


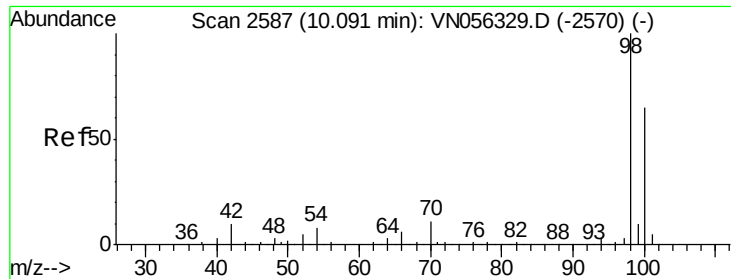
#49
1,4-Dioxane
Concen: 401.853 ug/l
RT: 9.20 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion: 88 Resp: 30377
Ion Ratio Lower Upper
88 100
43 26.6 21.9 32.9
58 73.6 57.3 85.9



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

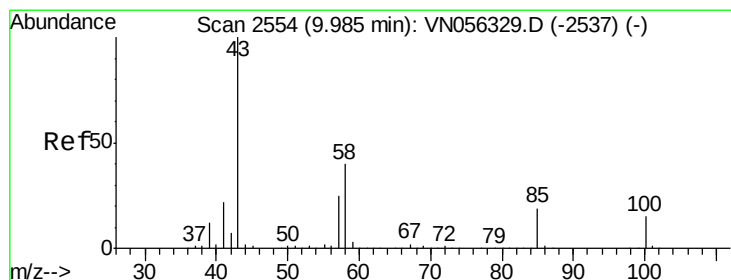
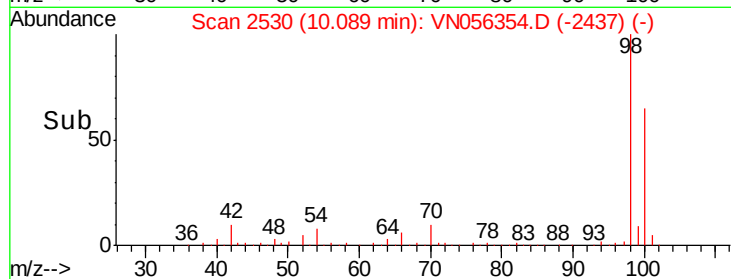
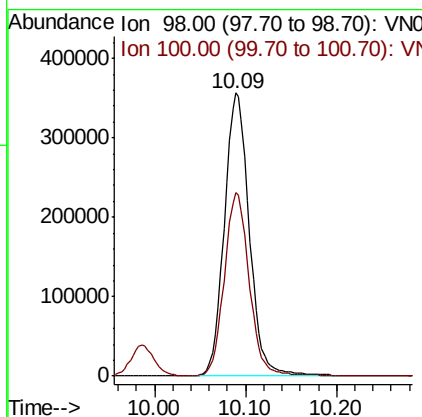
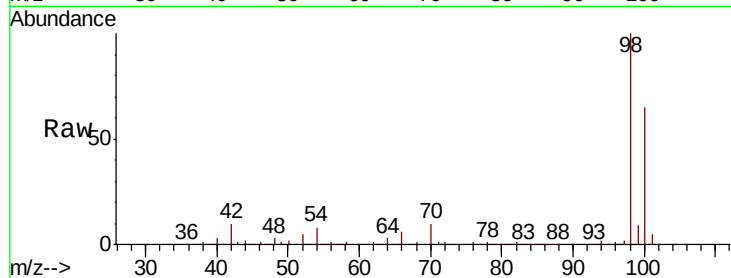




#50
Toluene-d8
Concen: 51.004 ug/l
RT: 10.09 min Scan# 2530
Delta R.T. -0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

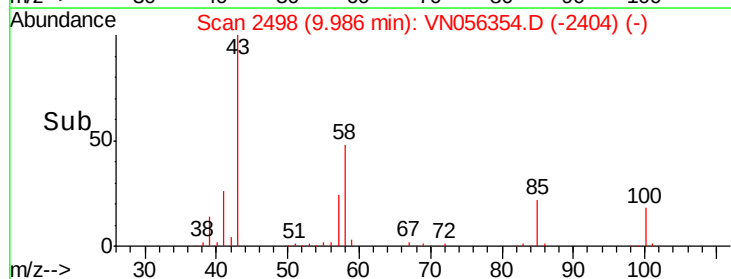
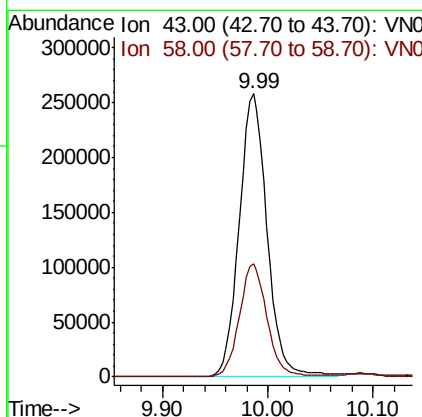
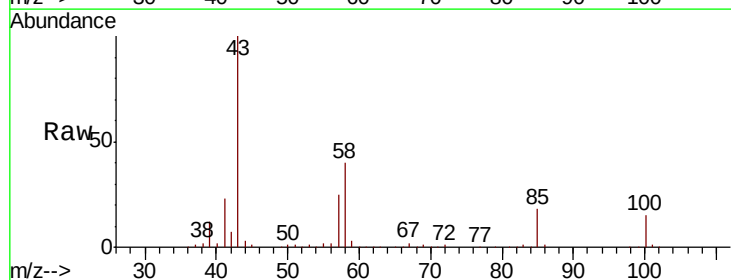
Instrument :
MSVOA_N
ClientSampleId :

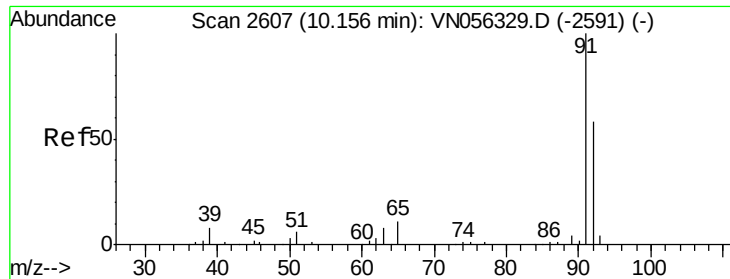
Tot Ion: 98 Resp: 680310
Ion Ratio Lower Upper
98 100
100 65.4 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 100.090 ug/l
RT: 9.99 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion: 43 Resp: 473796
Ion Ratio Lower Upper
43 100
58 39.6 31.8 47.6





#52

Toluene

Concen: 20.020 ug/l

RT: 10.15 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

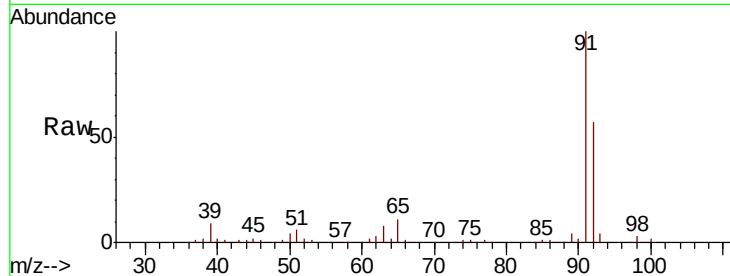
ClientSampleId :

Tot Ion: 92 Resp: 181614

Ion Ratio Lower Upper

92 100

91 176.1 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

150000

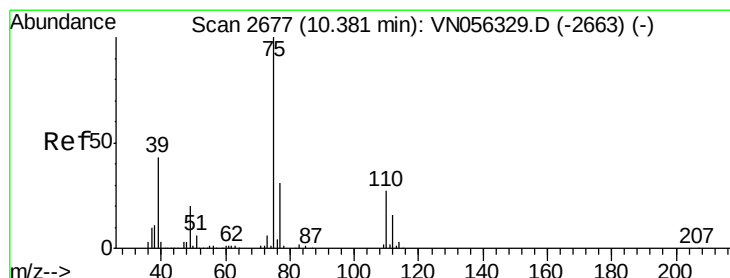
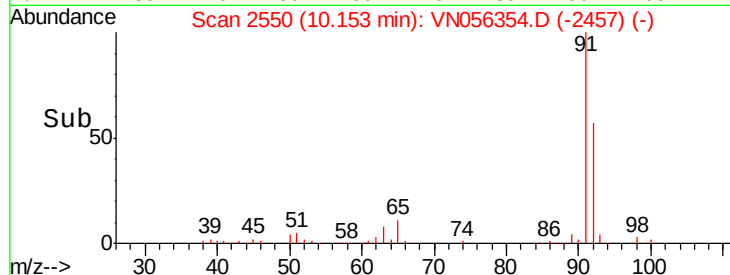
100000

50000

0

10.10 10.15 10.20 10.30

Time-->



#53

t-1,3-Dichloropropene

Concen: 16.958 ug/l

RT: 10.38 min Scan# 2621

Delta R.T. 0.00 min

Lab File: VN056354.D

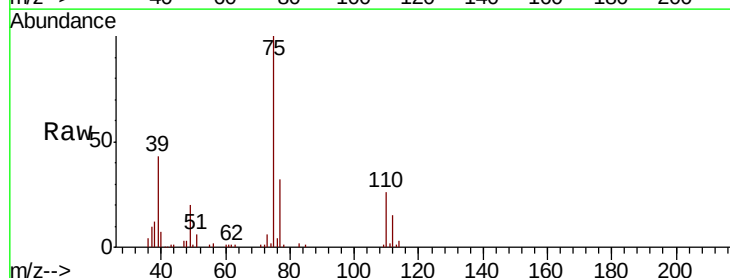
Acq: 18 Jun 2019 10:34

Tgt Ion: 75 Resp: 83967

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

50000

40000

30000

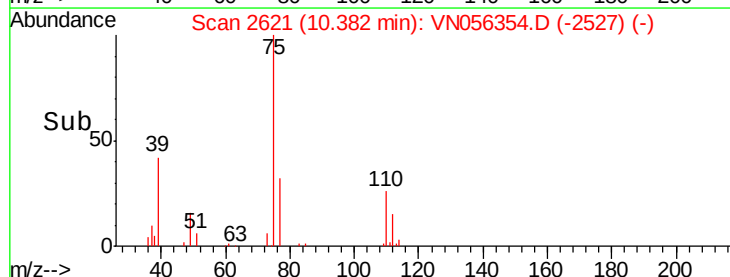
20000

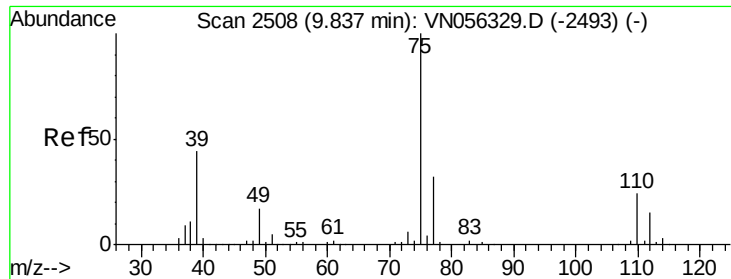
10000

0

10.30 10.35 10.40 10.45

Time-->



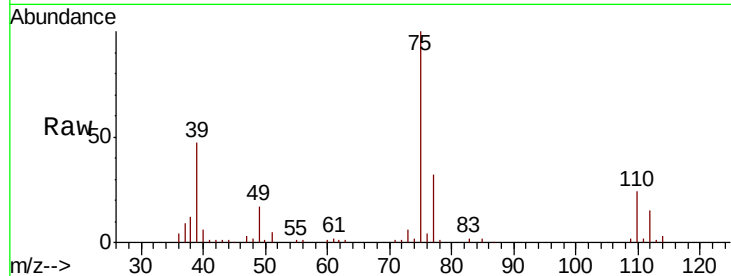


#54

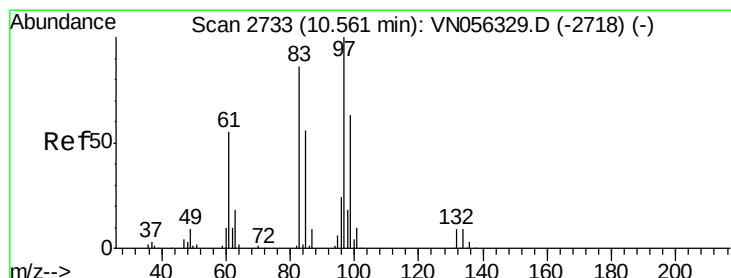
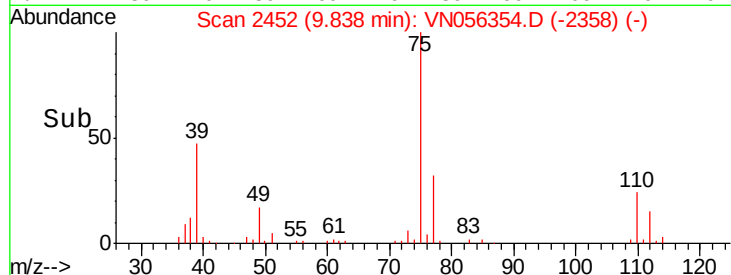
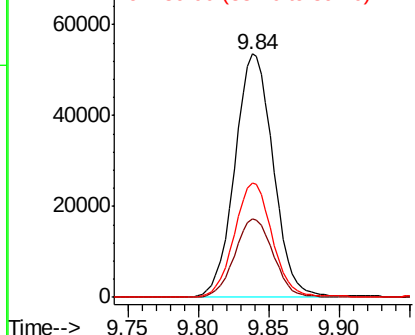
cis-1,3-Dichloropropene
Concen: 17.898 ug/l
RT: 9.84 min Scan# 2452
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 102221
Ion Ratio Lower Upper
75 100
77 32.0 25.7 38.5
39 47.1 35.4 53.0



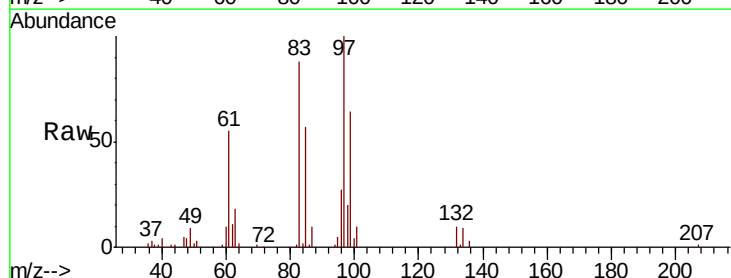
Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



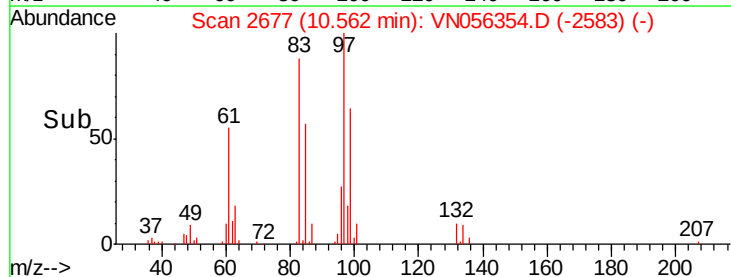
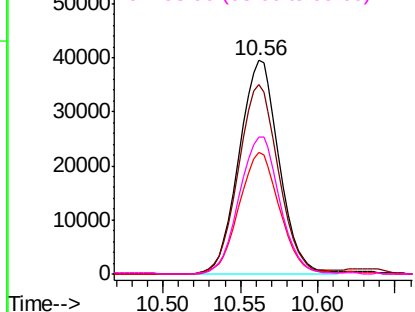
#55

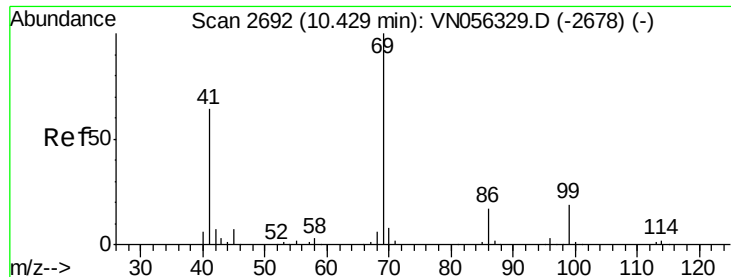
1,1,2-Trichloroethane
Concen: 19.108 ug/l
RT: 10.56 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion: 97 Resp: 71239
Ion Ratio Lower Upper
97 100
83 88.5 69.0 103.4
85 57.0 44.6 67.0
99 64.2 50.5 75.7



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





#56

Ethyl methacrylate

Concen: 19.752 ug/l

RT: 10.43 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

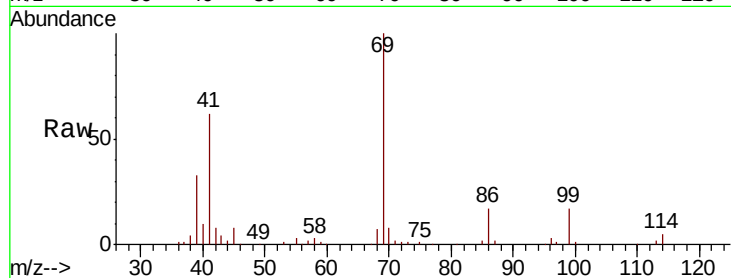
Tot Ion: 69 Resp: 105905

Ion Ratio Lower Upper

69 100

41 62.7 52.0 78.0

39 30.6 24.4 36.6

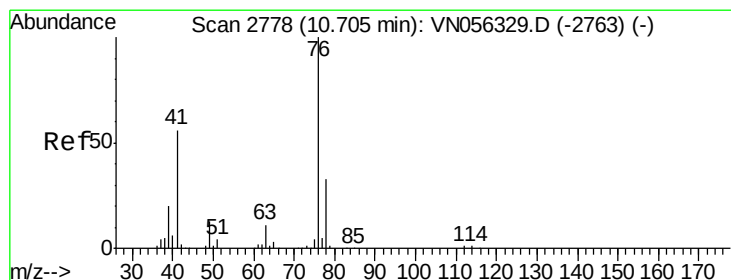
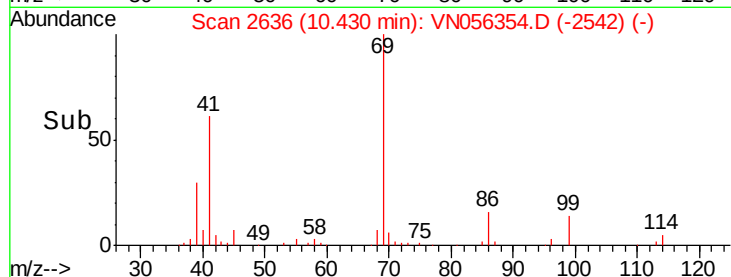
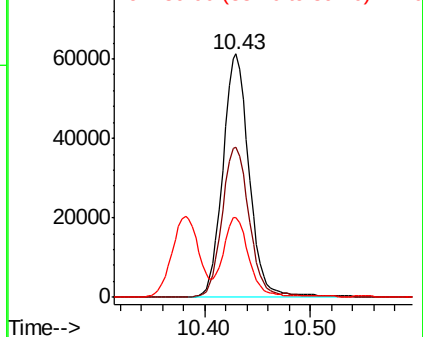


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 19.629 ug/l

RT: 10.71 min Scan# 2722

Delta R.T. 0.00 min

Lab File: VN056354.D

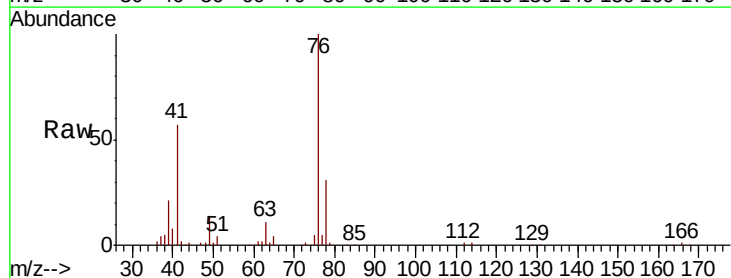
Acq: 18 Jun 2019 10:34

Tgt Ion: 76 Resp: 123265

Ion Ratio Lower Upper

76 100

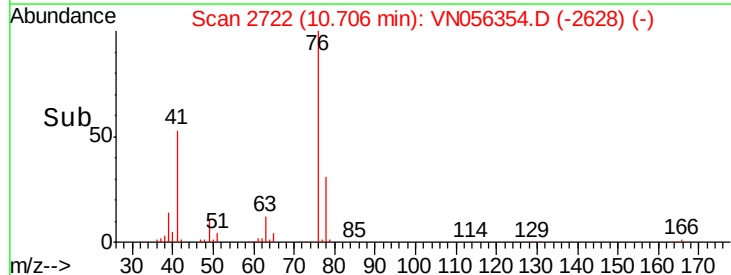
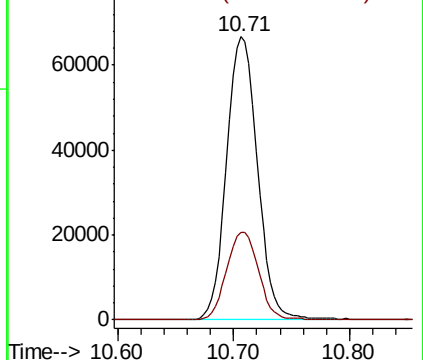
78 31.9 26.2 39.2

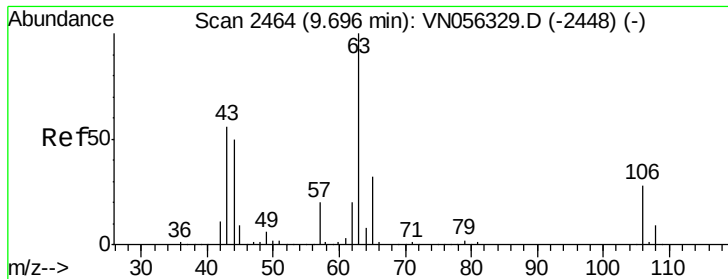


Abundance

Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#58

2-Chloroethyl Vinyl ether

Concen: 108.082 ug/l

RT: 9.69 min Scan# 2407

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

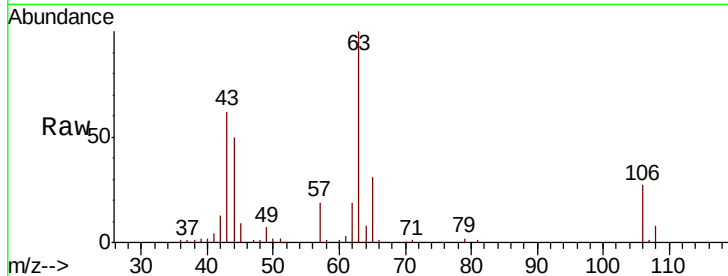
ClientSampled :

Tot Ion: 63 Resp: 197470

Ion Ratio Lower Upper

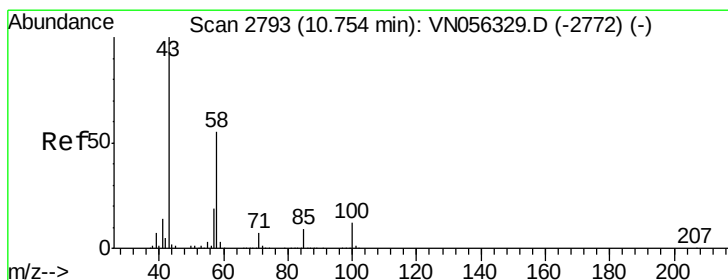
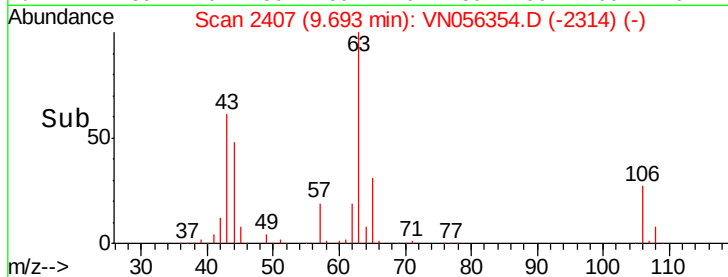
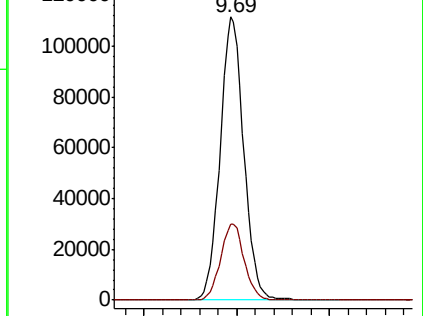
63 100

106 26.7 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 98.076 ug/l

RT: 10.75 min Scan# 2737

Delta R.T. 0.00 min

Lab File: VN056354.D

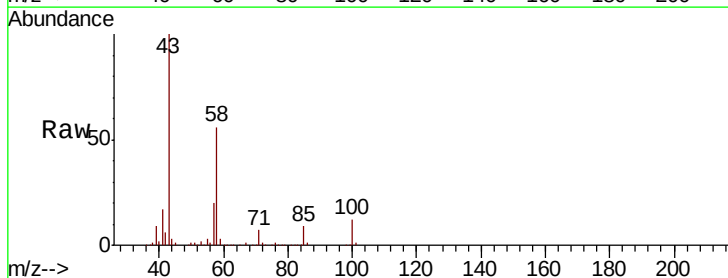
Acq: 18 Jun 2019 10:34

Tgt Ion: 43 Resp: 344316

Ion Ratio Lower Upper

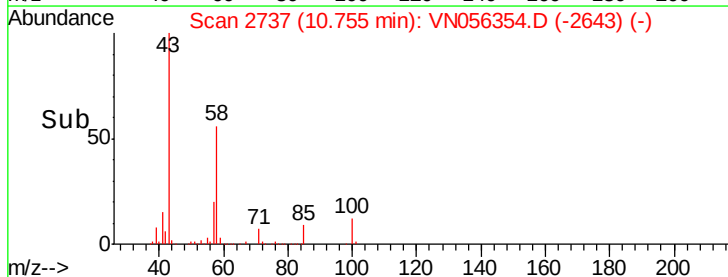
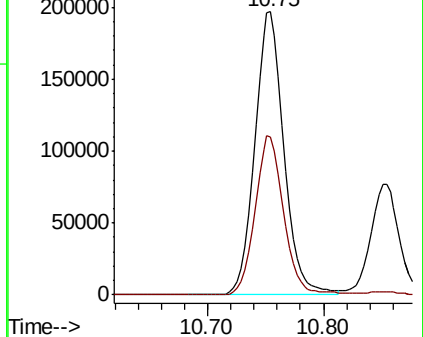
43 100

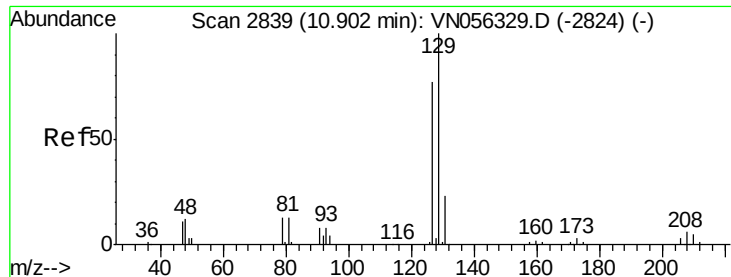
58 55.5 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 17.024 ug/l

RT: 10.90 min Scan# 2783

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

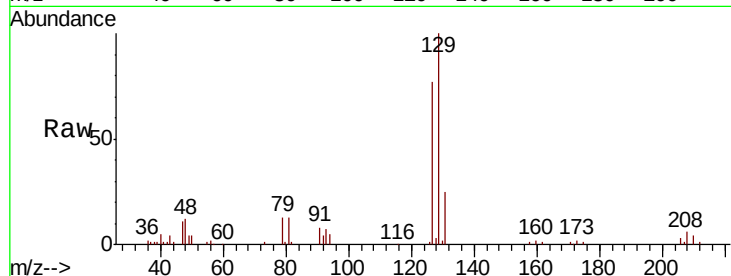
ClientSampleId :

Tot Ion:129 Resp: 66568

Ion Ratio Lower Upper

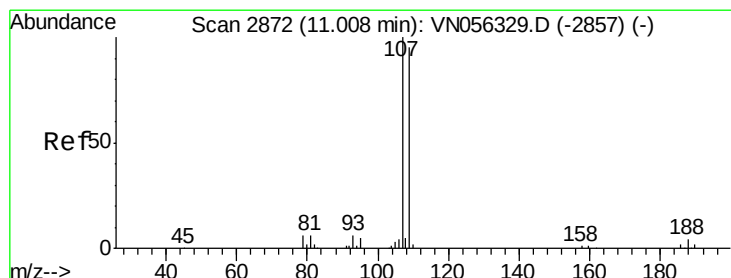
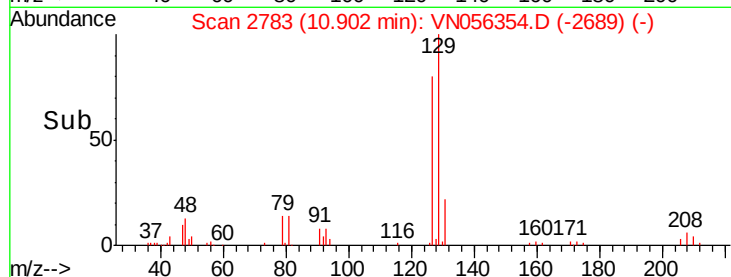
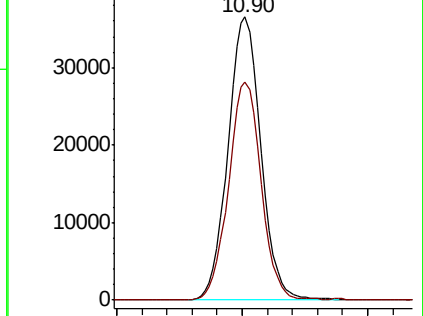
129 100

127 76.2 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 19.587 ug/l

RT: 11.01 min Scan# 2815

Delta R.T. -0.00 min

Lab File: VN056354.D

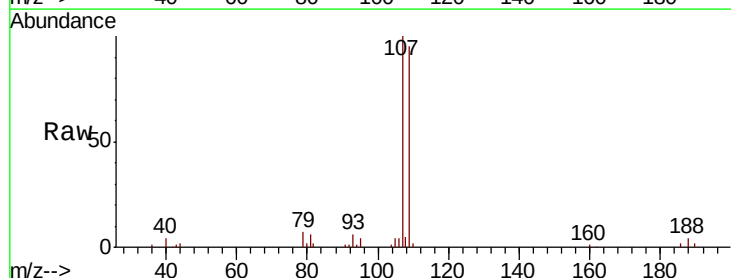
Acq: 18 Jun 2019 10:34

Tgt Ion:107 Resp: 75065

Ion Ratio Lower Upper

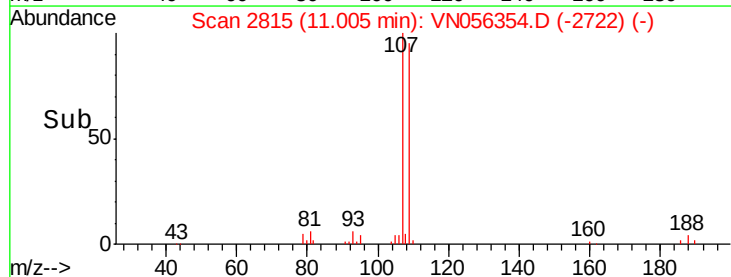
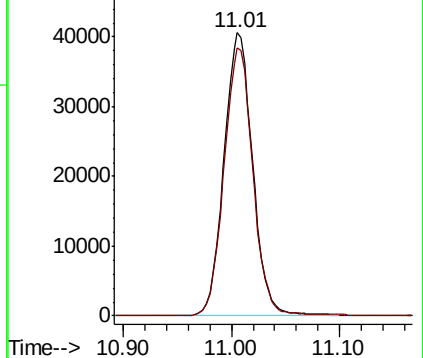
107 100

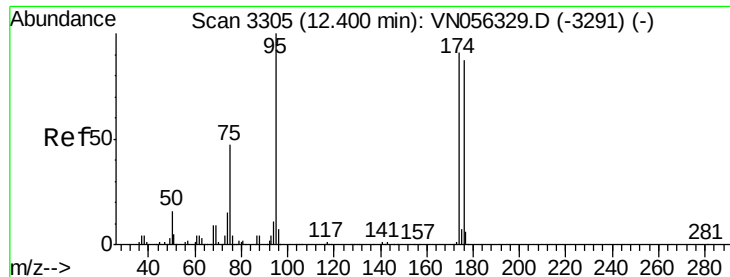
109 95.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

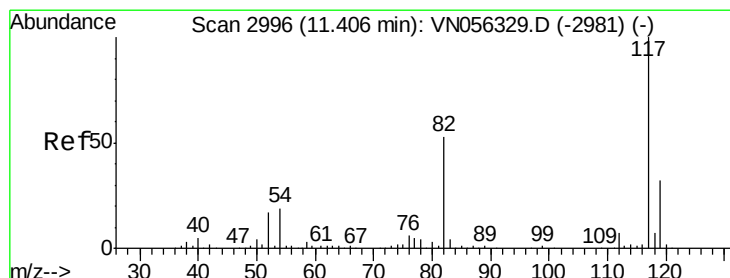
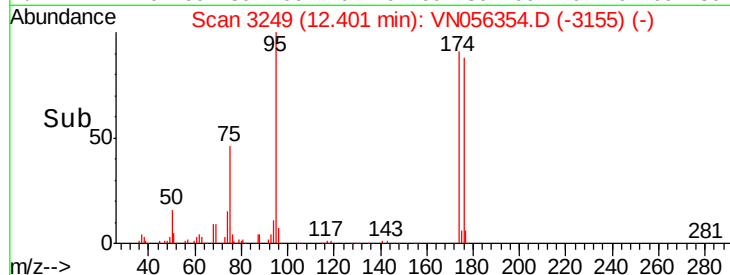
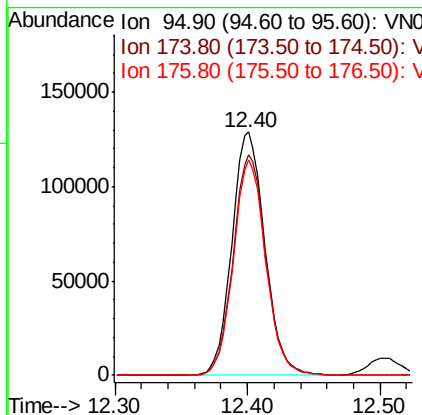
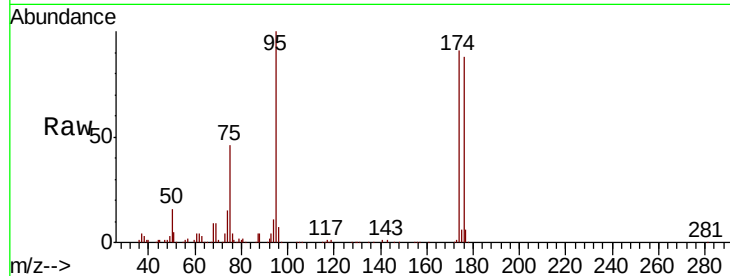




#62
4-Bromofluorobenzene
Concen: 50.291 ug/l
RT: 12.40 min Scan# 3249
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

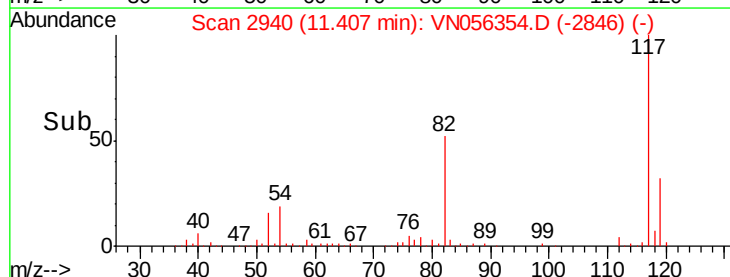
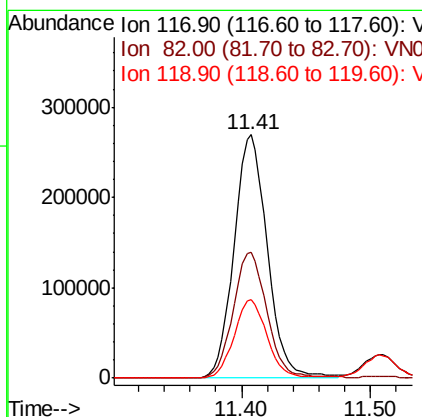
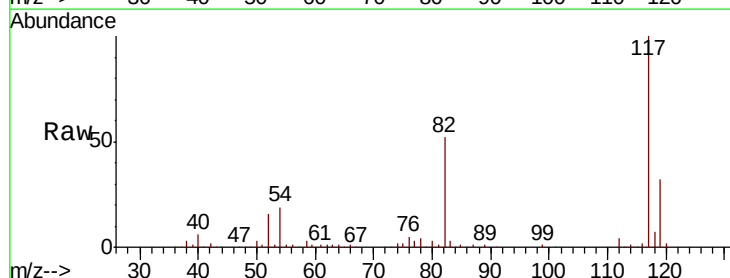
Instrument :
MSVOA_N
ClientSampleId :

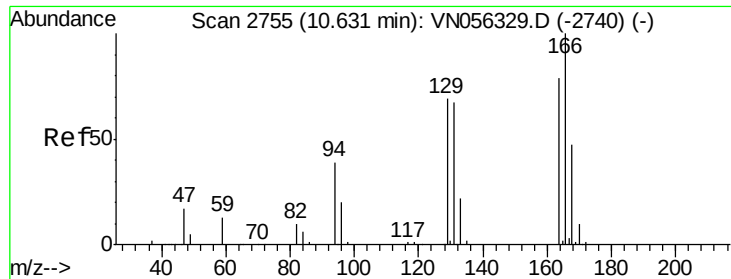
Tot Ion: 95 Resp: 222281
Ion Ratio Lower Upper
95 100
174 90.2 0.0 182.6
176 87.0 0.0 176.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2940
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion: 117 Resp: 484154
Ion Ratio Lower Upper
117 100
82 51.5 42.4 63.6
119 32.3 26.0 39.0

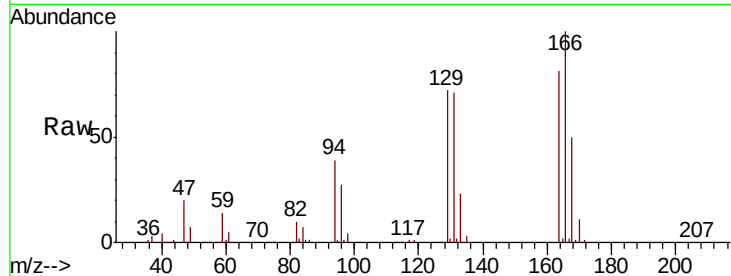




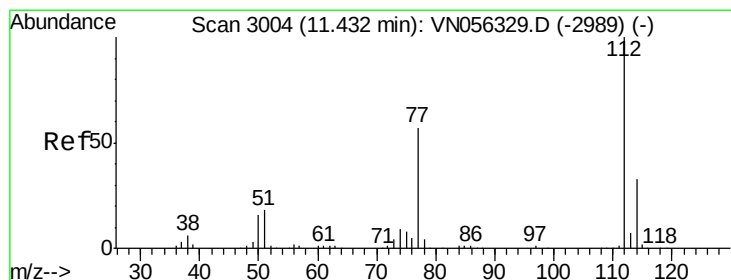
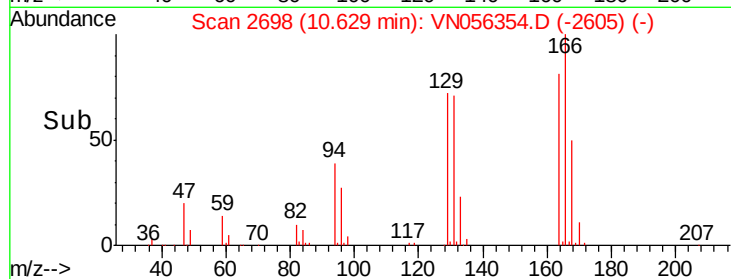
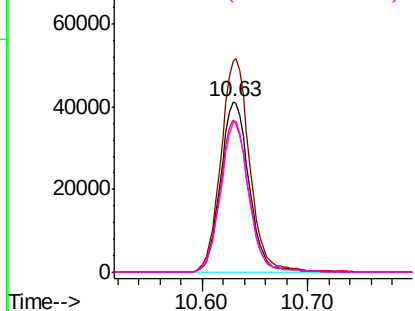
#64
Tetrachloroethene
Concen: 19.463 ug/l
RT: 10.63 min Scan# 2698
Delta R.T. -0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:164 Resp: 77274
Ion Ratio Lower Upper
164 100
166 123.7 101.8 152.6
129 89.3 70.3 105.5
131 88.3 68.2 102.4

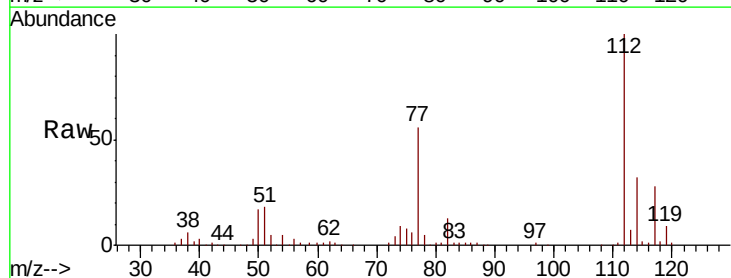


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

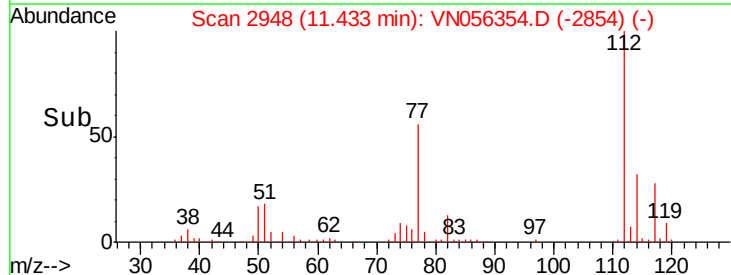
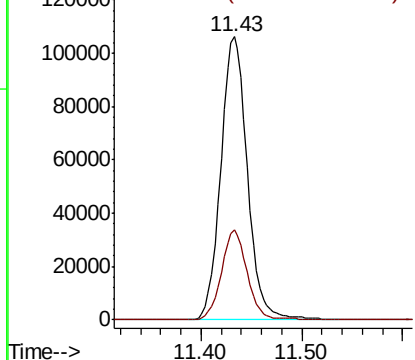


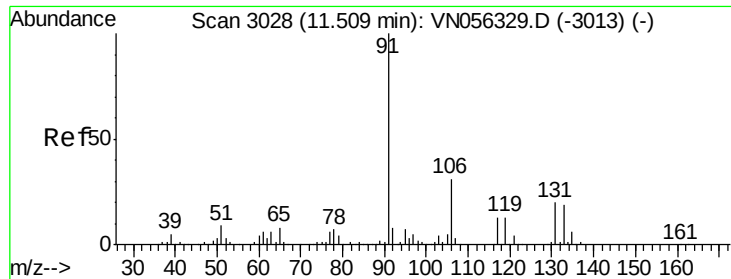
#65
Chlorobenzene
Concen: 19.900 ug/l
RT: 11.43 min Scan# 2948
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion:112 Resp: 195608
Ion Ratio Lower Upper
112 100
114 31.7 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 17.726 ug/l

RT: 11.51 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

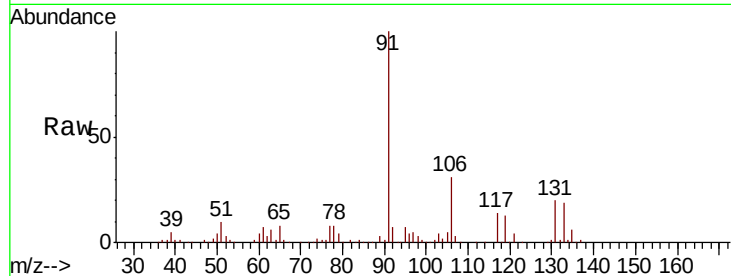
Tot Ion:131 Resp: 65046

Ion Ratio Lower Upper

131 100

133 97.7 47.9 143.7

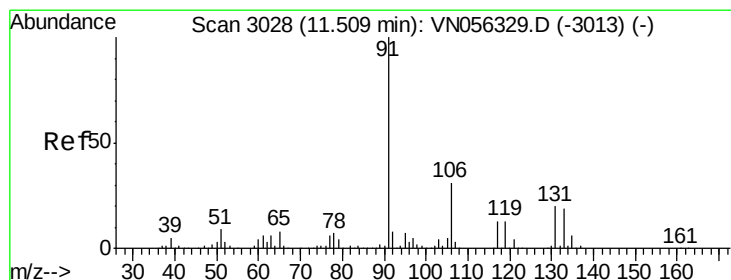
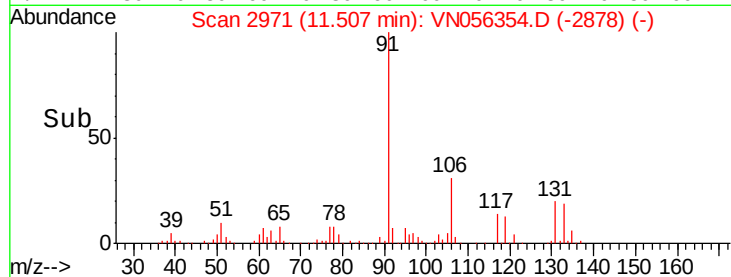
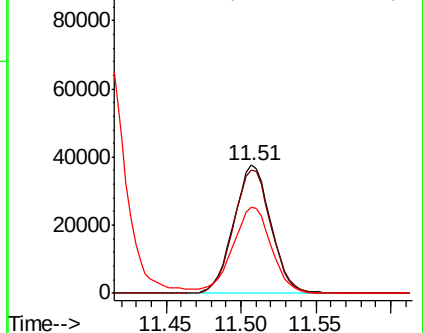
119 70.0 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 19.850 ug/l

RT: 11.51 min Scan# 2972

Delta R.T. 0.00 min

Lab File: VN056354.D

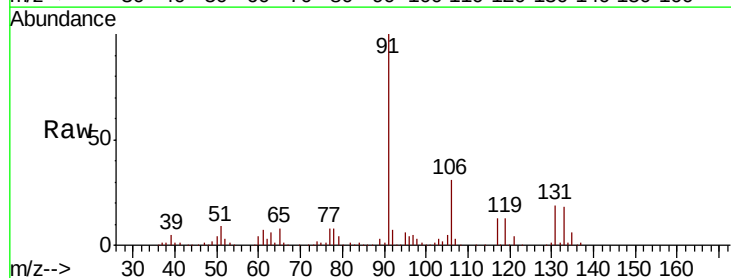
Acq: 18 Jun 2019 10:34

Tgt Ion: 91 Resp: 335848

Ion Ratio Lower Upper

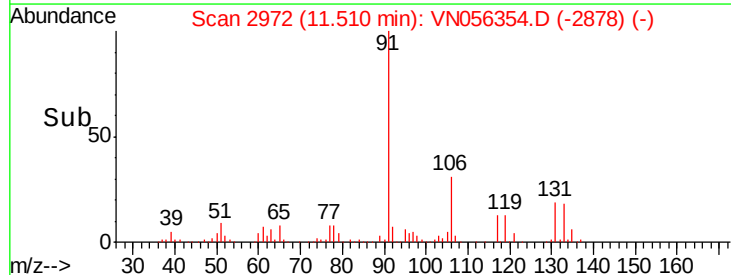
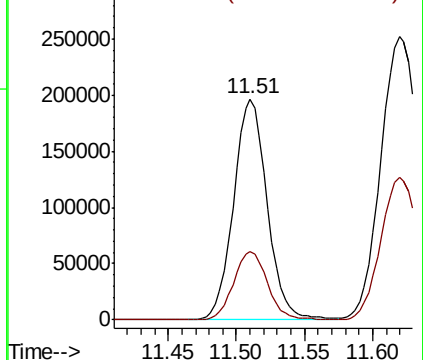
91 100

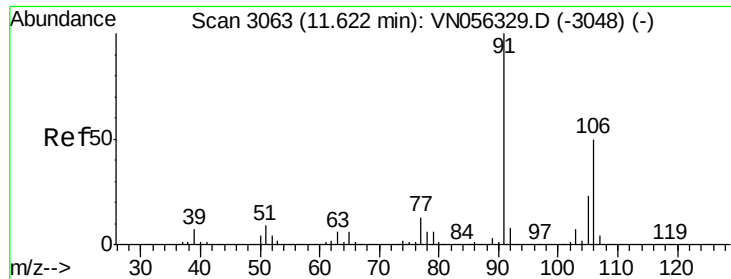
106 31.2 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 40.182 ug/l

RT: 11.62 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

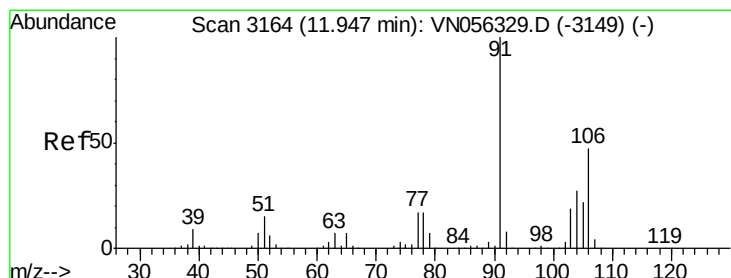
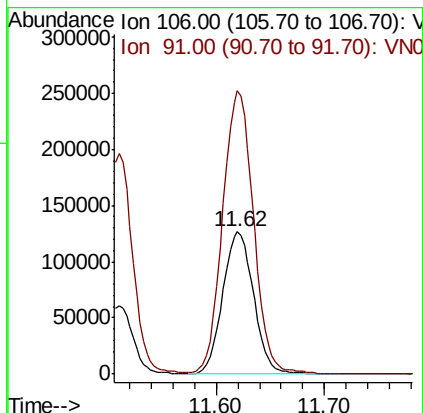
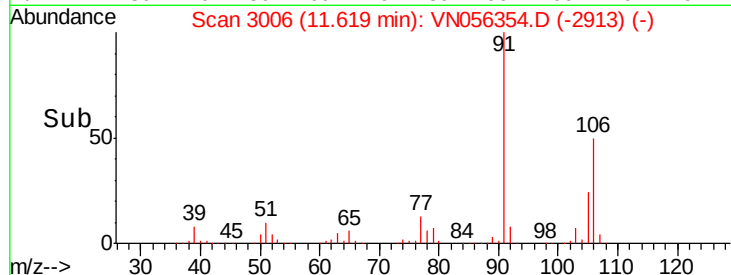
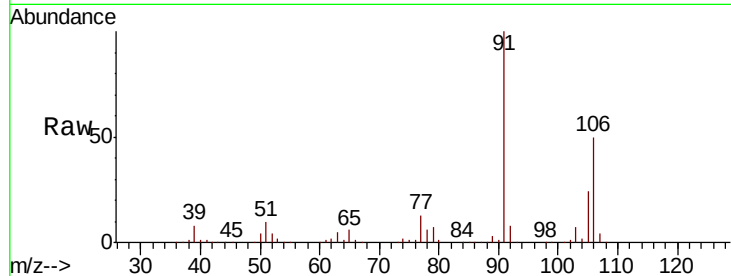
ClientSampled :

Tot Ion:106 Resp: 253041

Ion Ratio Lower Upper

106 100

91 199.1 160.7 241.1



#69

o-Xylene

Concen: 20.162 ug/l

RT: 11.95 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN056354.D

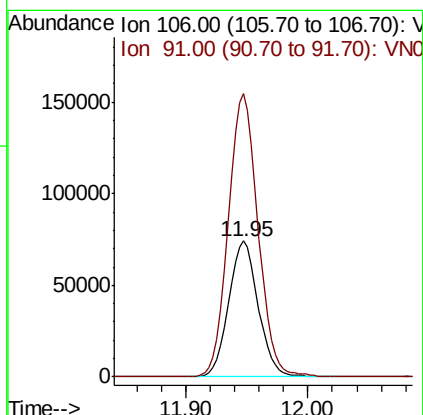
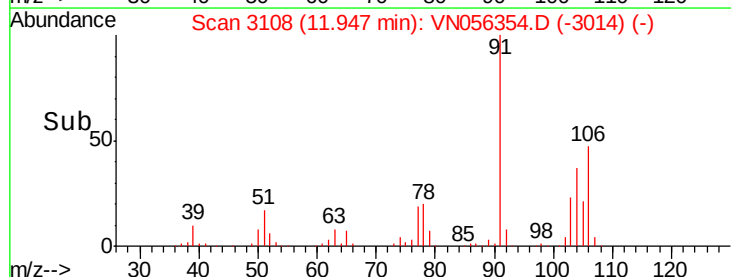
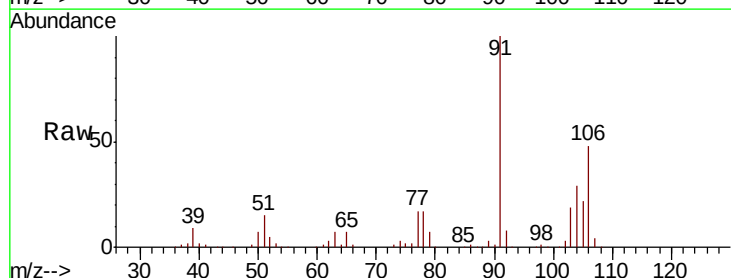
Acq: 18 Jun 2019 10:34

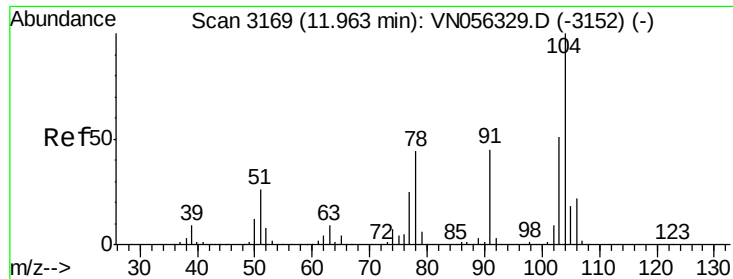
Tgt Ion:106 Resp: 125157

Ion Ratio Lower Upper

106 100

91 210.2 105.6 316.7





#70

Stvrene

Concen: 20.142 ug/l

RT: 11.96 min Scan# 3113

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampled :

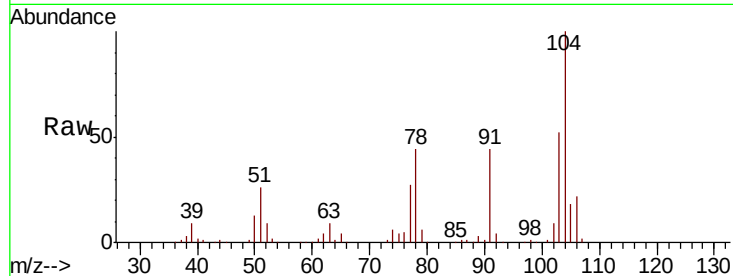
Tot Ion:104 Resp: 201863

Ion Ratio Lower Upper

104 100

78 47.7 38.4 57.6

103 54.8 44.0 66.0

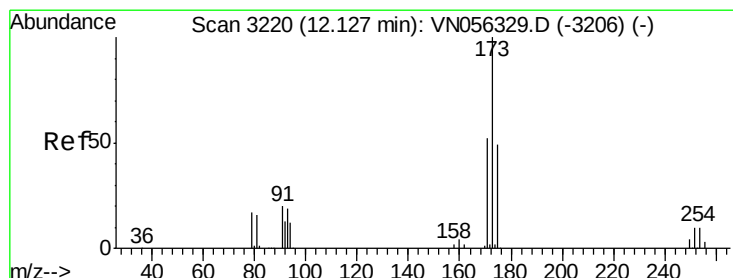
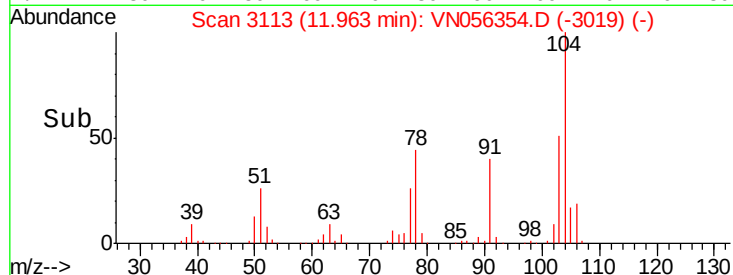
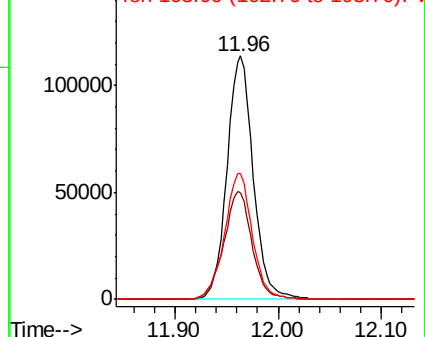


Abundance

Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 15.176 ug/l

RT: 12.12 min Scan# 3163

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

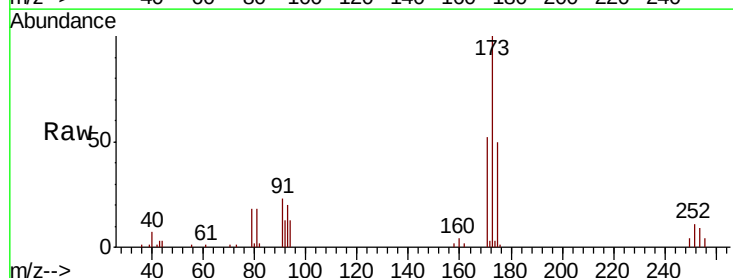
Tgt Ion:173 Resp: 43279

Ion Ratio Lower Upper

173 100

175 49.1 24.3 73.0

254 0.0 0.0 0.0

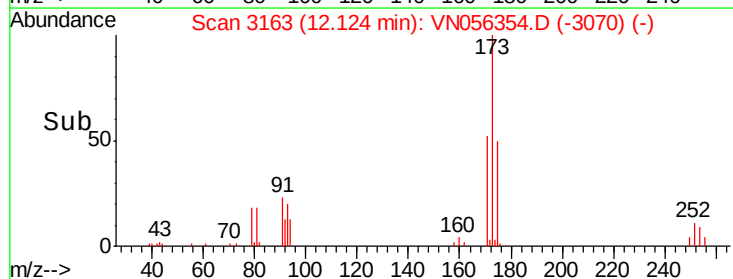
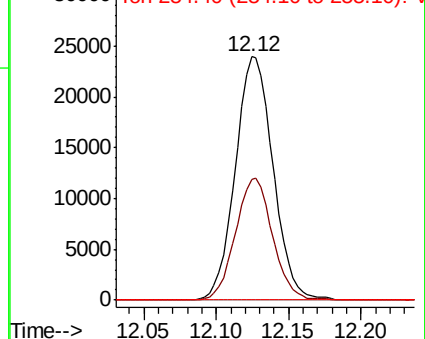


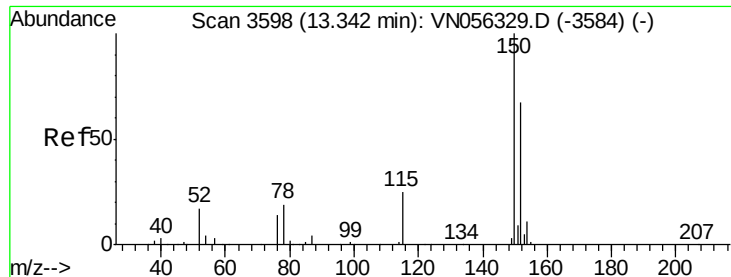
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

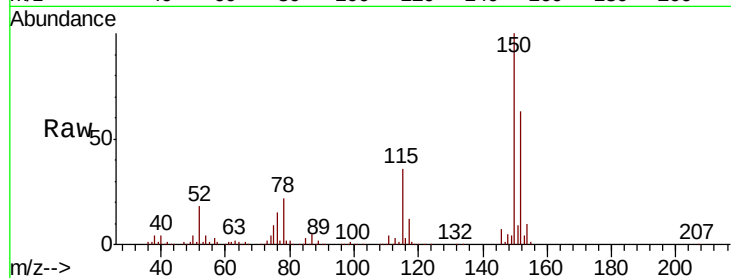
Tot Ion:152 Resp: 186170

Ion Ratio Lower Upper

152 100

115 56.1 27.8 83.3

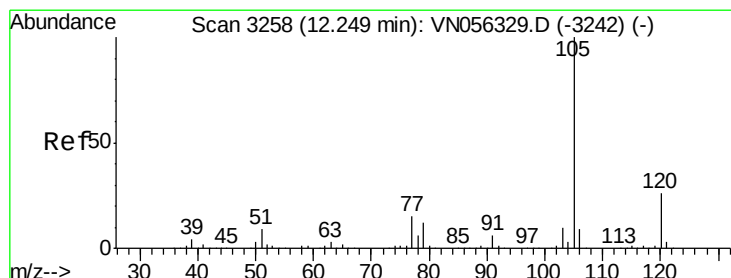
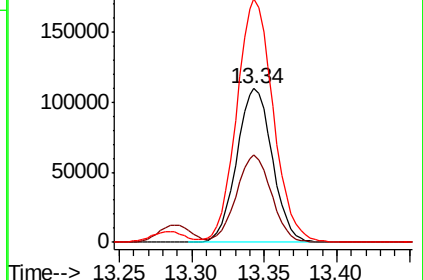
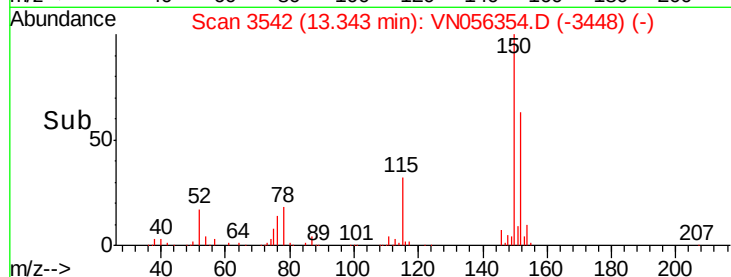
150 162.4 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 21.499 ug/l

RT: 12.25 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056354.D

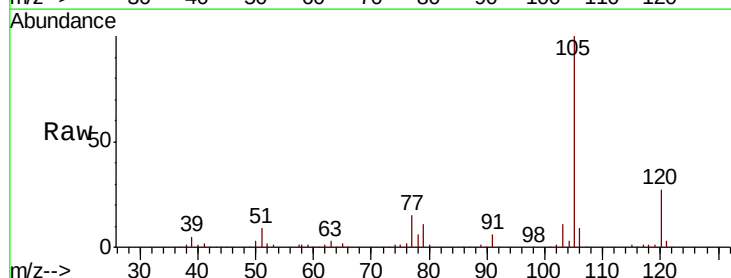
Acq: 18 Jun 2019 10:34

Tgt Ion:105 Resp: 327528

Ion Ratio Lower Upper

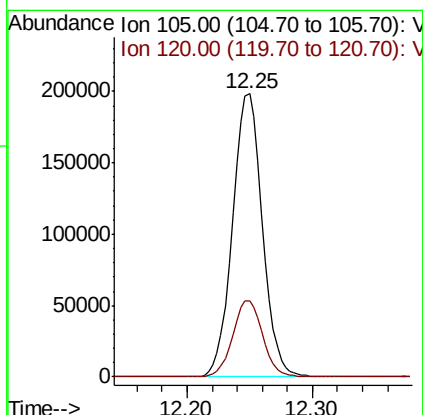
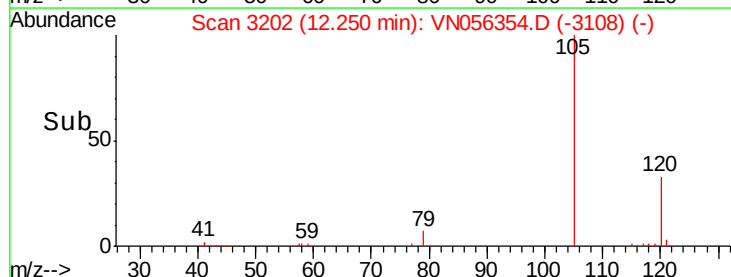
105 100

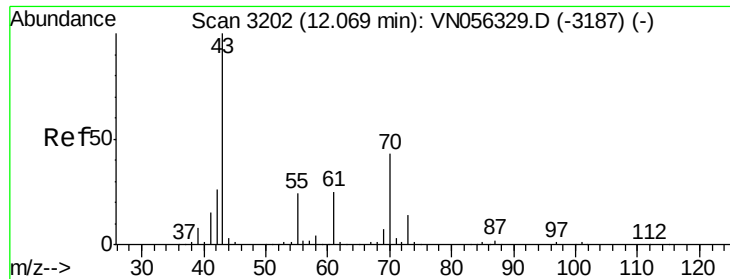
120 27.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 20.168 ug/l

RT: 12.07 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

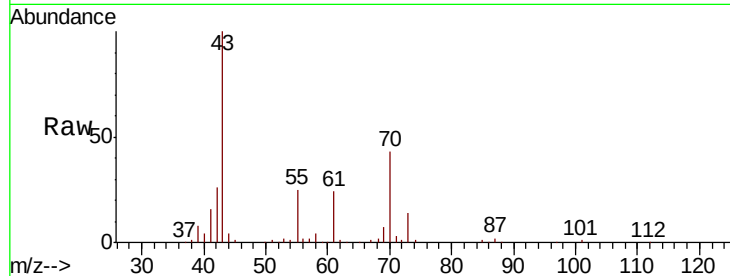
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 117989

Ion	Ratio	Lower	Upper
43	100		
70	42.7	34.2	51.2
55	25.7	19.9	29.9
61	24.4	19.7	29.5

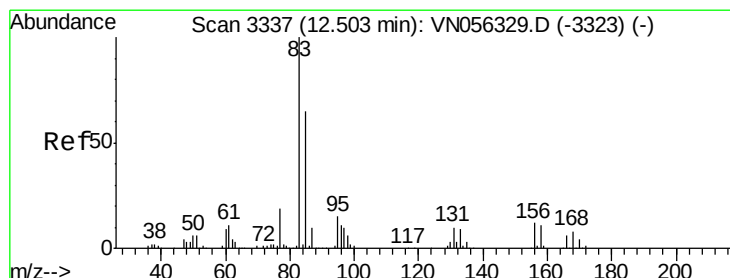
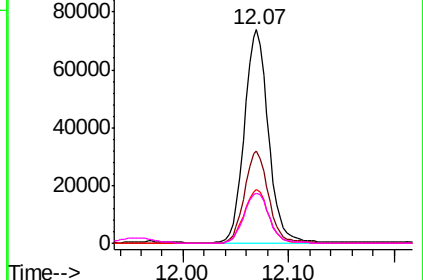
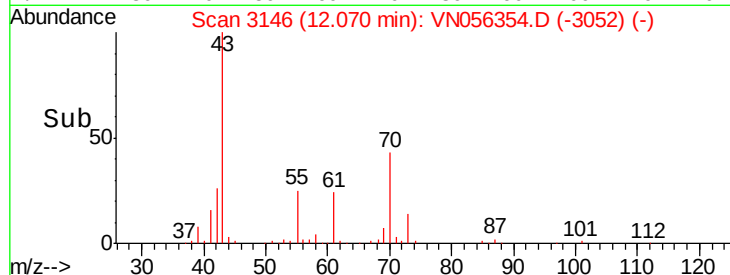


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 21.491 ug/l

RT: 12.50 min Scan# 3281

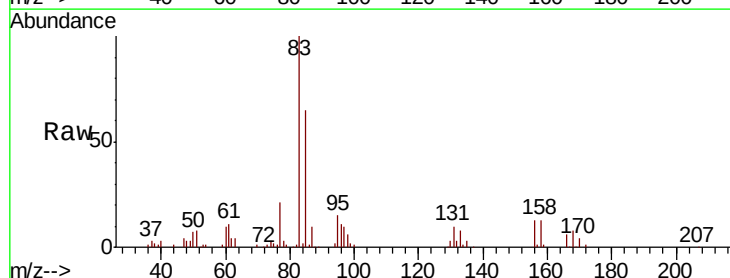
Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Tgt Ion: 83 Resp: 102530

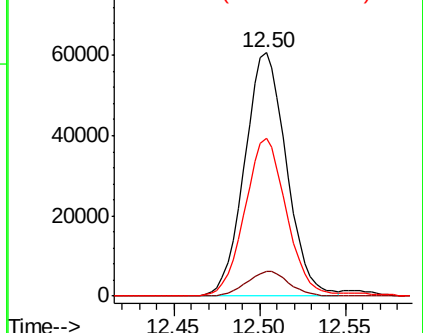
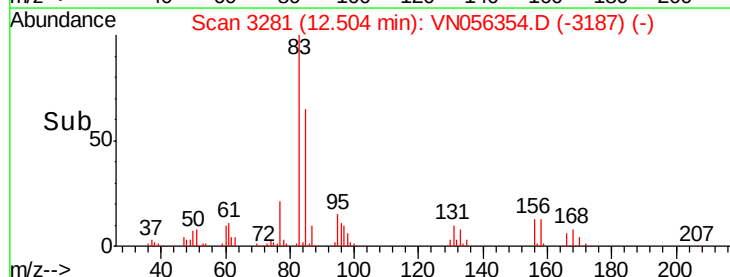
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	15.8
85	64.3	32.2	96.6

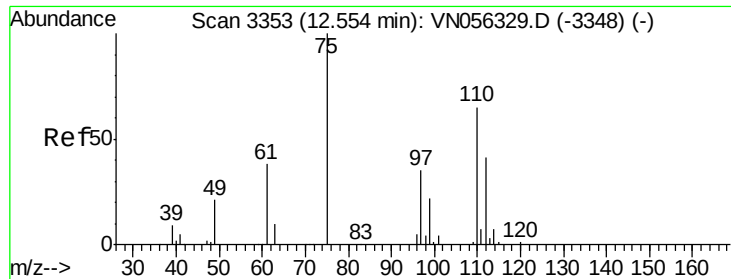


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 29.147 ug/l

RT: 12.56 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

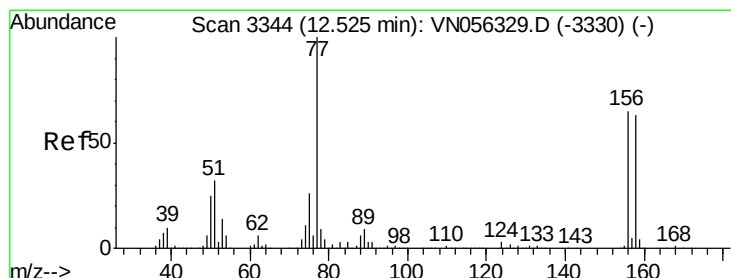
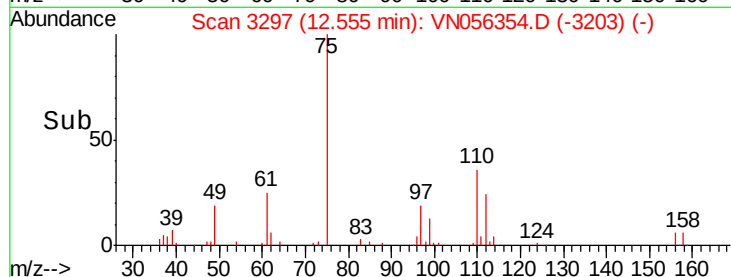
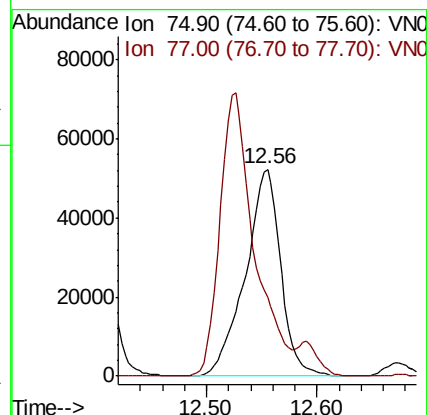
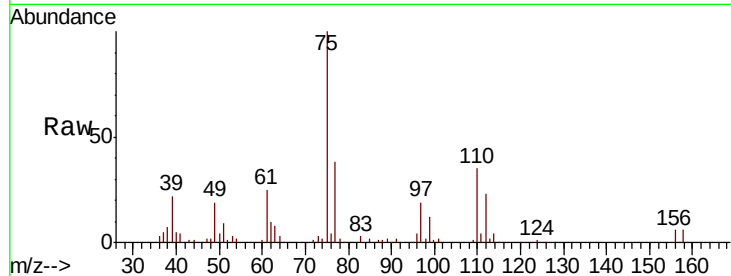
ClientSampleId :

Tot Ion: 75 Resp: 115933

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#77

Bromobenzene

Concen: 20.728 ug/l

RT: 12.52 min Scan# 3287

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

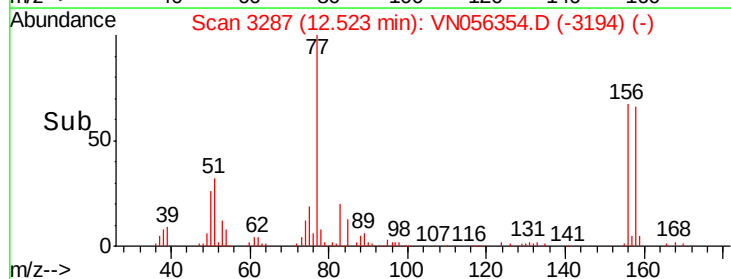
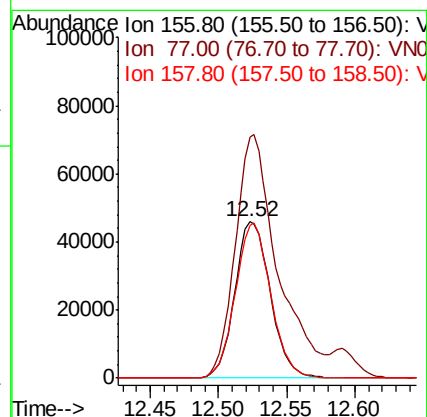
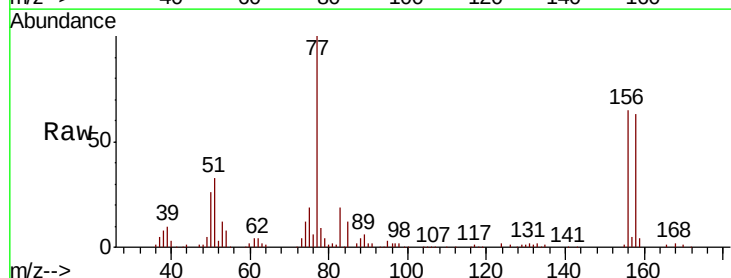
Tgt Ion: 156 Resp: 83329

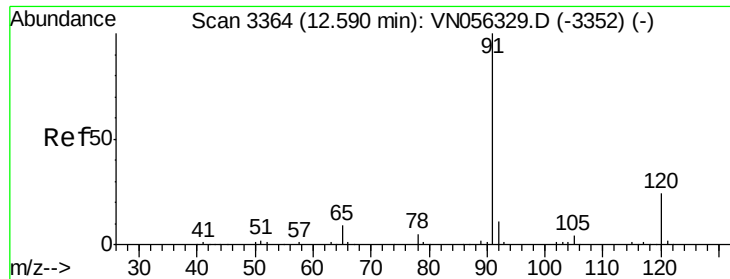
Ion Ratio Lower Upper

156 100

77 185.1 92.9 278.7

158 98.5 49.0 147.2





#78

n-propylbenzene

Concen: 20.456 ug/l

RT: 12.59 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

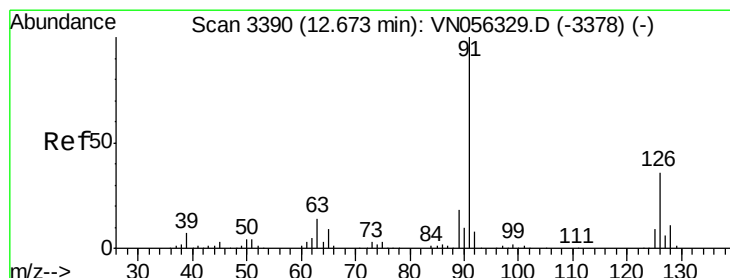
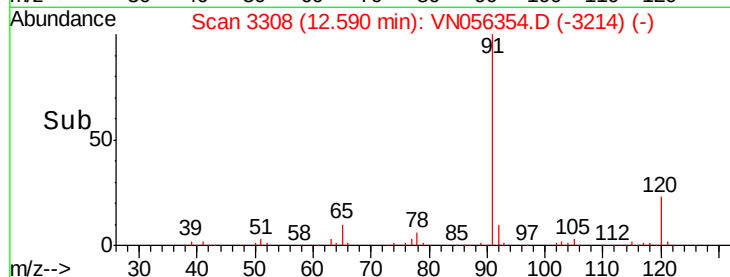
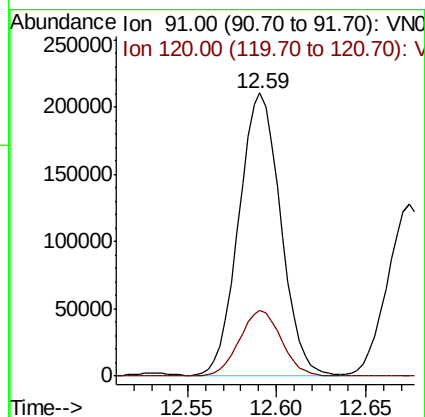
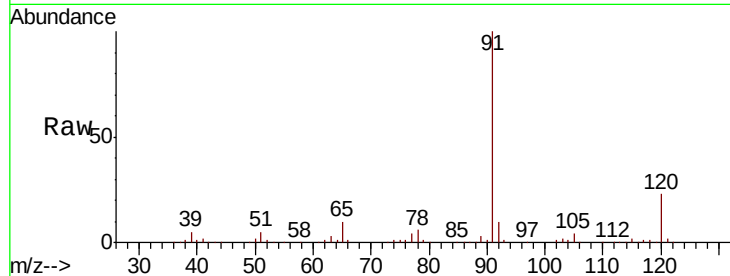
ClientSampled :

Tot Ion: 91 Resp: 341838

Ion Ratio Lower Upper

91 100

120 23.4 11.9 35.5



#79

2-Chlorotoluene

Concen: 21.049 ug/l

RT: 12.67 min Scan# 3334

Delta R.T. 0.00 min

Lab File: VN056354.D

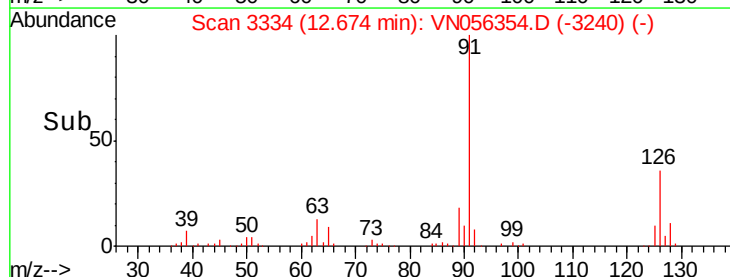
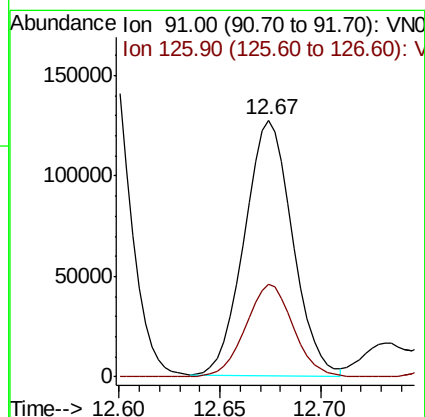
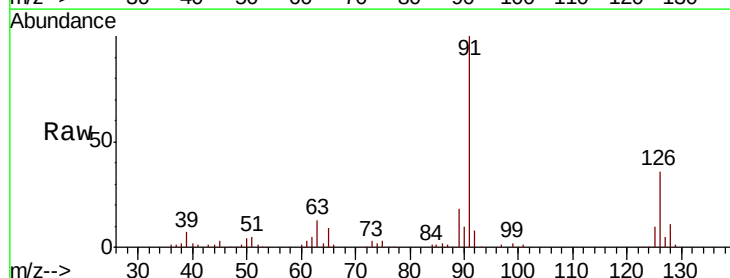
Acq: 18 Jun 2019 10:34

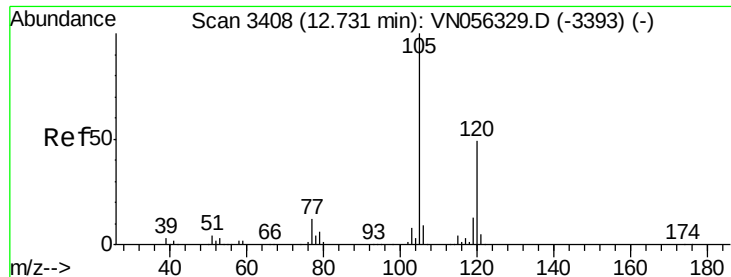
Tgt Ion: 91 Resp: 212879

Ion Ratio Lower Upper

91 100

126 35.7 18.0 54.0





#80

1,3,5-Trimethylbenzene

Concen: 20.539 ug/l

RT: 12.73 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

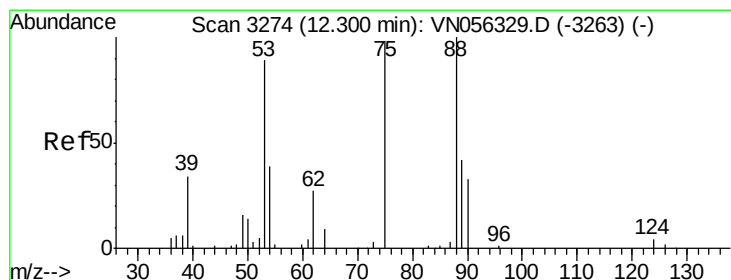
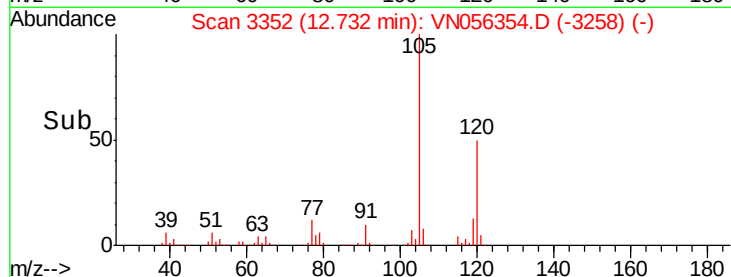
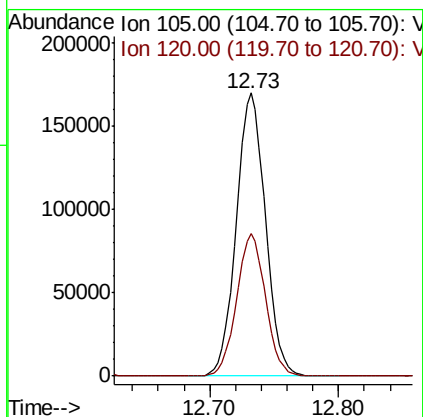
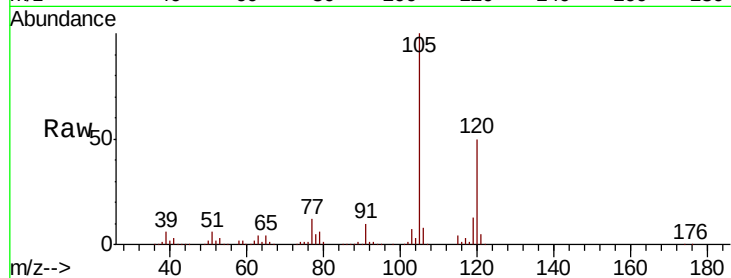
ClientSampleId :

Tot Ion:105 Resp: 266772

Ion Ratio Lower Upper

105 100

120 49.7 24.4 73.4



#81

trans-1,4-Dichloro-2-butene

Concen: 16.099 ug/l

RT: 12.30 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

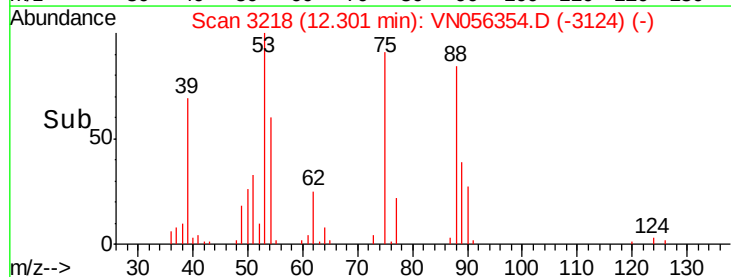
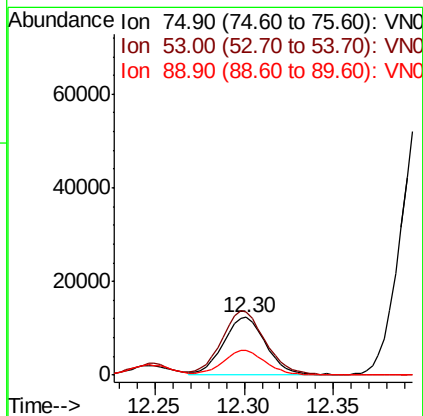
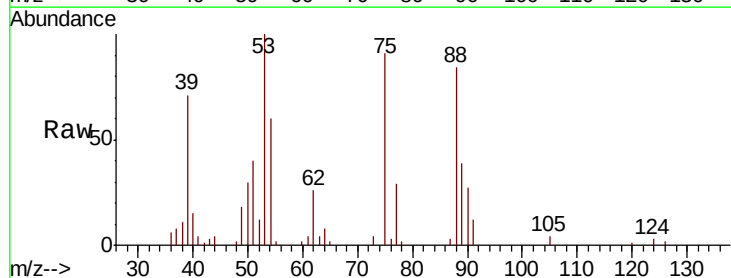
Tgt Ion: 75 Resp: 20610

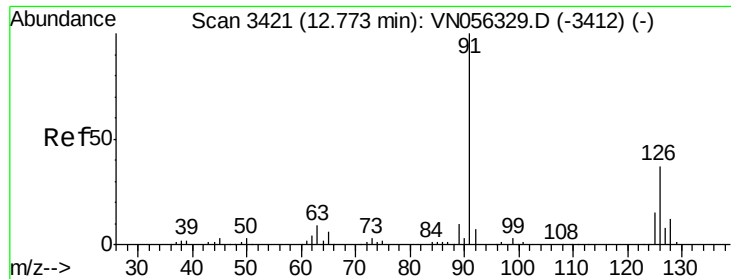
Ion Ratio Lower Upper

75 100

53 113.7 73.5 110.3#

89 41.8 35.4 53.2

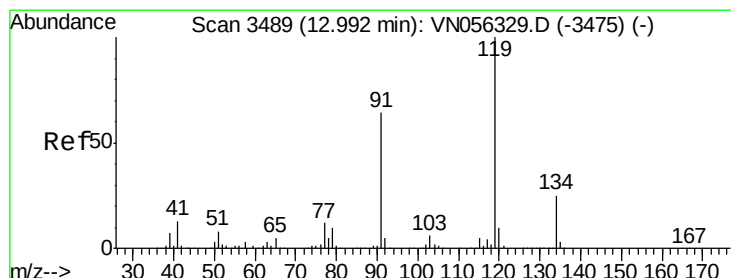
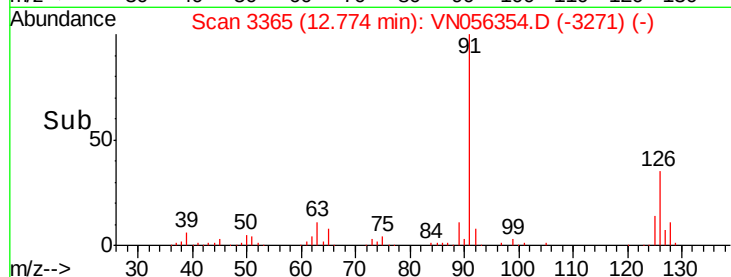
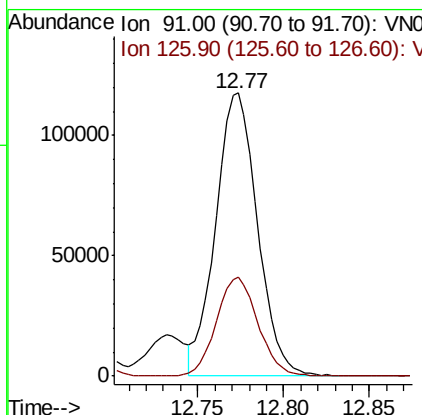
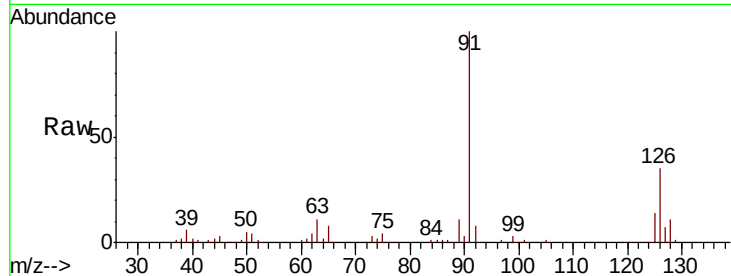




#82
4-Chlorotoluene
Concen: 20.211 ug/l
RT: 12.77 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

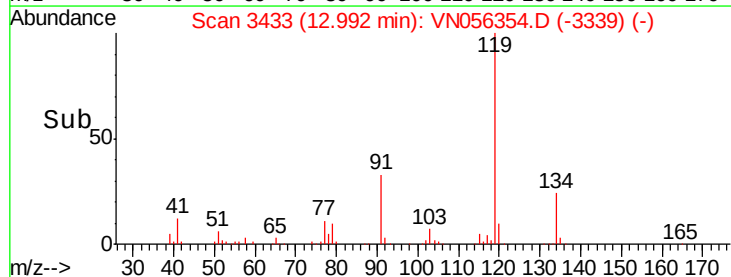
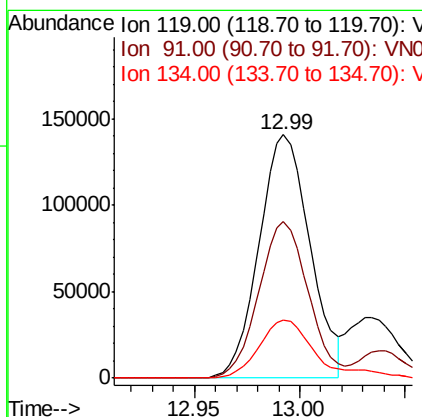
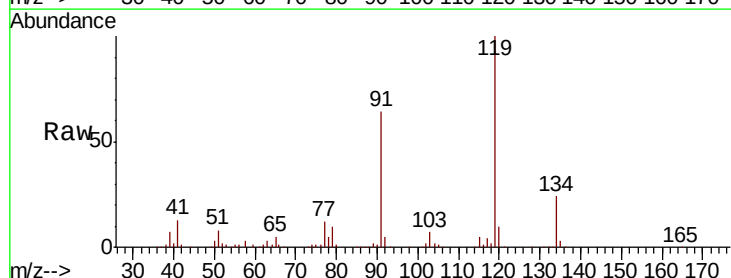
Instrument :
MSVOA_N
ClientSampled :

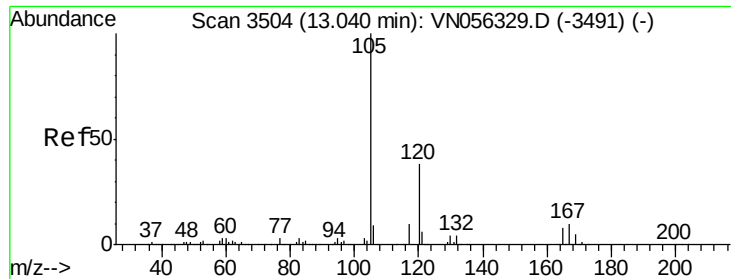
Tot Ion: 91 Resp: 198258
Ion Ratio Lower Upper
91 100
126 35.0 17.6 52.8



#83
tert-Butylbenzene
Concen: 21.665 ug/l
RT: 12.99 min Scan# 3433
Delta R.T. 0.00 min
Lab File: VN056354.D
Acq: 18 Jun 2019 10:34

Tgt Ion: 119 Resp: 236784
Ion Ratio Lower Upper
119 100
91 62.6 31.5 94.5
134 26.8 13.6 40.7

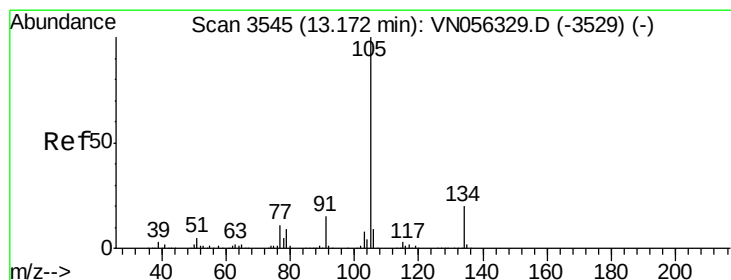
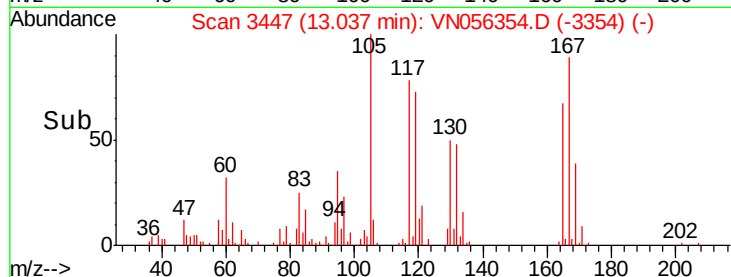
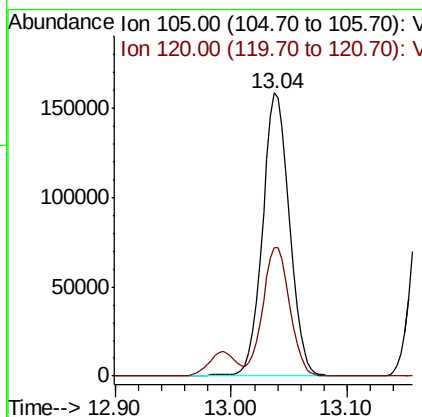
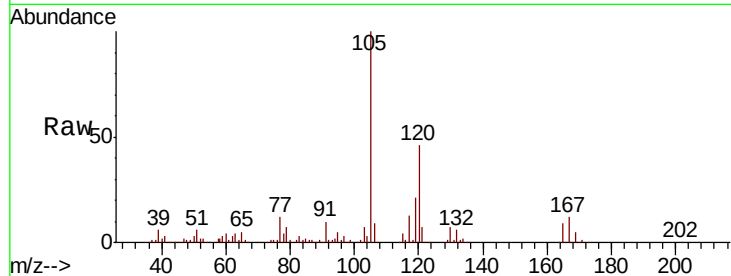




#84
 1,2,4-Trimethylbenzene
 Concen: 21.137 ug/l
 RT: 13.04 min Scan# 3447
 Delta R.T. -0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

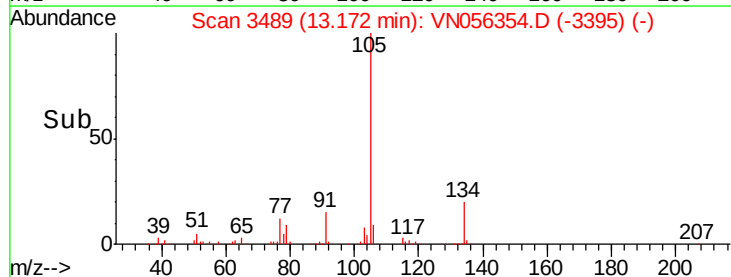
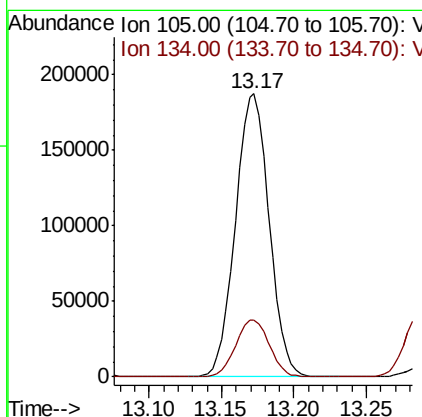
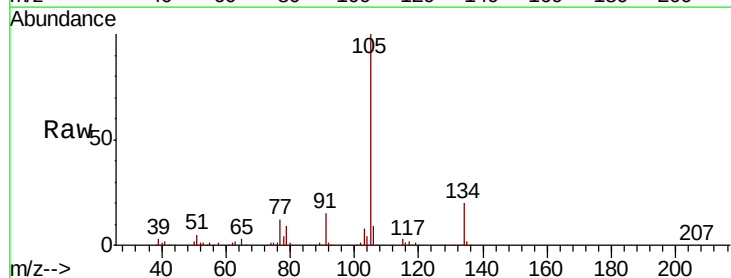
Instrument :
 MSVOA_N
 ClientSampled :

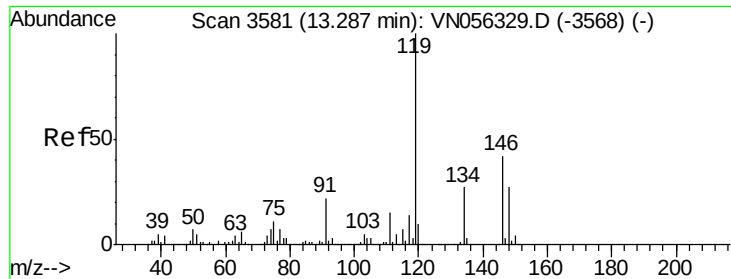
Tot Ion:105 Resp: 255651
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 20.640 ug/l
 RT: 13.17 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Tgt Ion:105 Resp: 302510
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.2 30.4

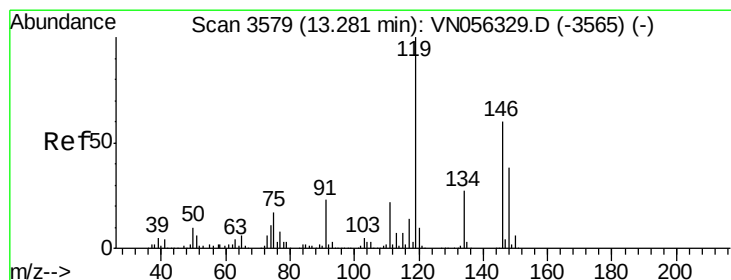
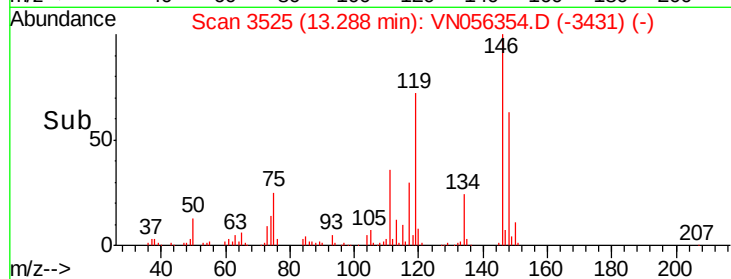
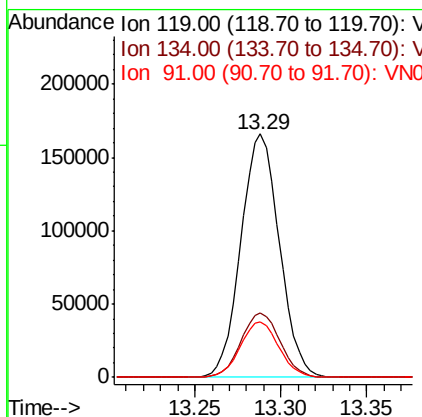
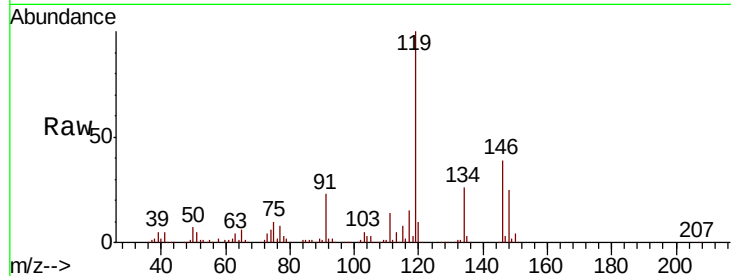




#86
 p-Isopropyltoluene
 Concen: 20.596 ug/l
 RT: 13.29 min Scan# 3525
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

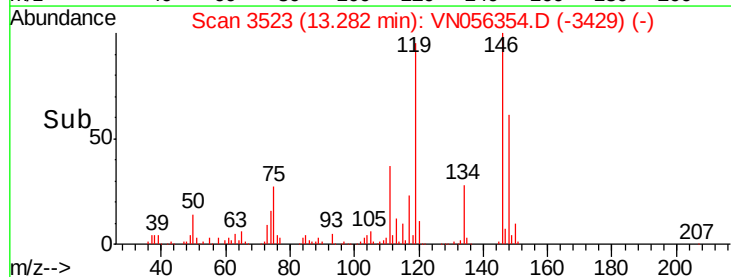
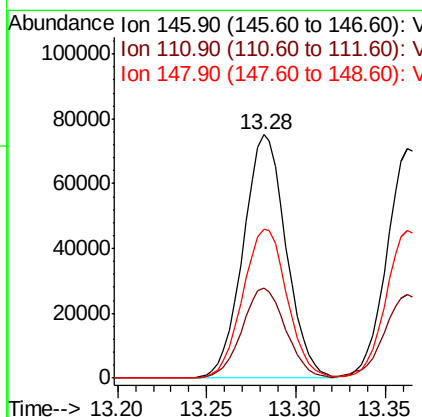
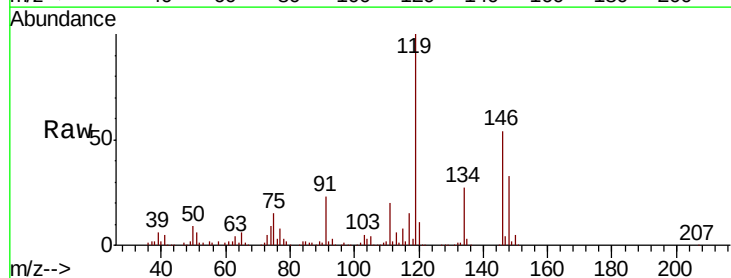
Instrument :
 MSVOA_N
 ClientSampled :

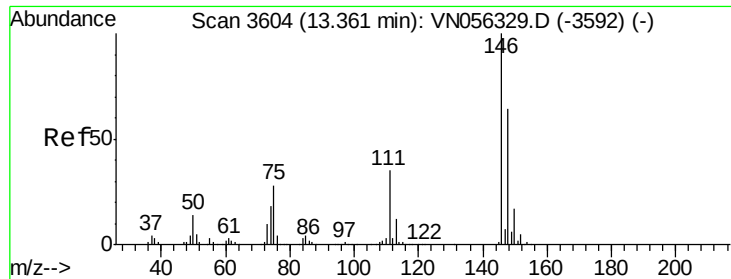
Tot Ion:119 Resp: 258395
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.4
 91 22.9 11.0 33.0



#87
 1,3-Dichlorobenzene
 Concen: 19.907 ug/l
 RT: 13.28 min Scan# 3523
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Tgt Ion:146 Resp: 126140
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.9 56.7
 148 63.2 31.9 95.5

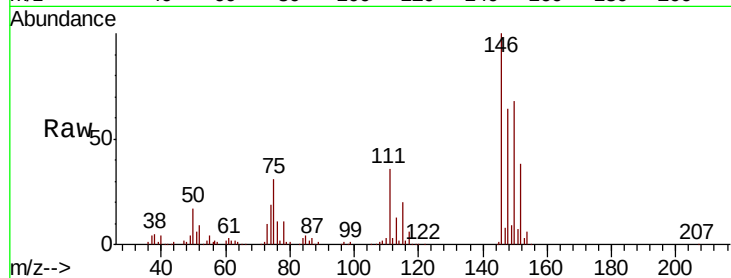




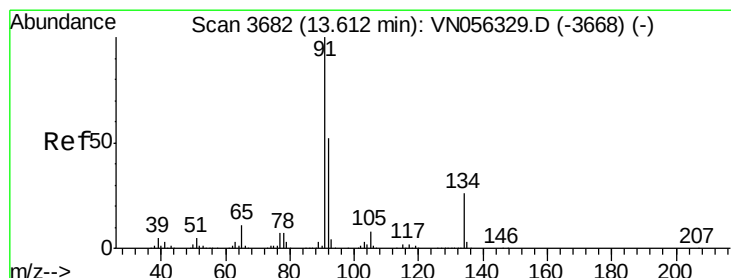
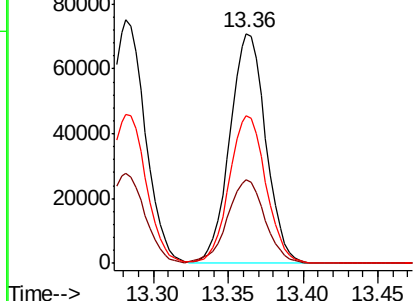
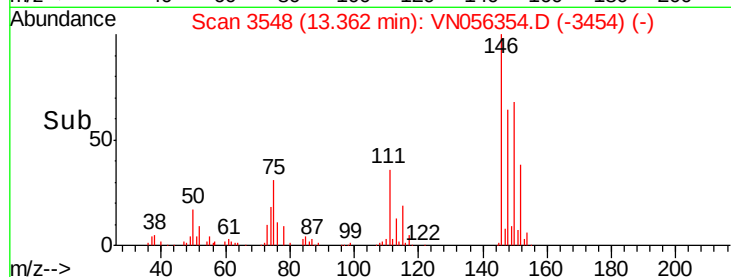
#88
 1,4-Dichlorobenzene
 Concen: 19.511 ug/l
 RT: 13.36 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 118803
 Ion Ratio Lower Upper
 146 100
 111 38.0 18.1 54.1
 148 65.6 32.1 96.5

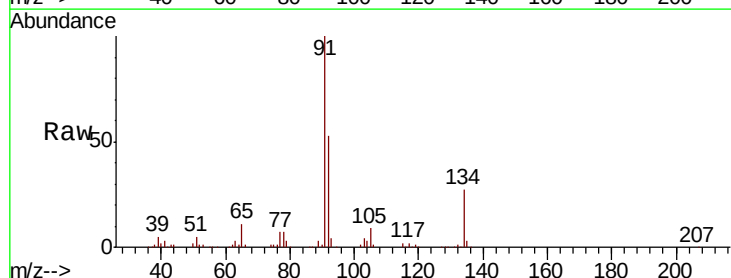


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

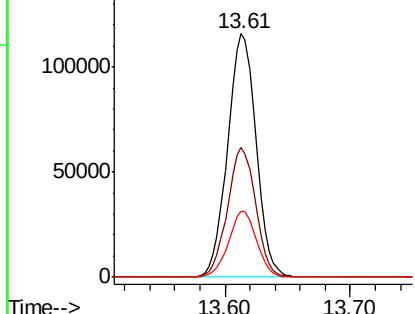
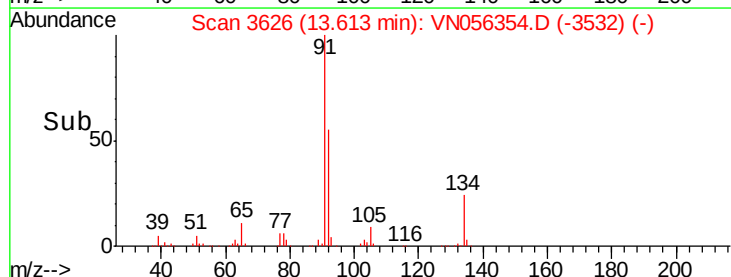


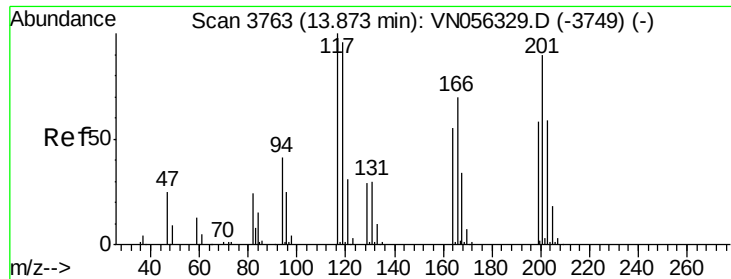
#89
 n-Butylbenzene
 Concen: 19.448 ug/l
 RT: 13.61 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Tgt Ion: 91 Resp: 182419
 Ion Ratio Lower Upper
 91 100
 92 52.6 26.0 78.0
 134 26.7 13.2 39.5



Abundance Ion 91.00 (90.70 to 91.70): VNO
 Ion 92.00 (91.70 to 92.70): VNO
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 16.034 ug/l

RT: 13.87 min Scan# 3707

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

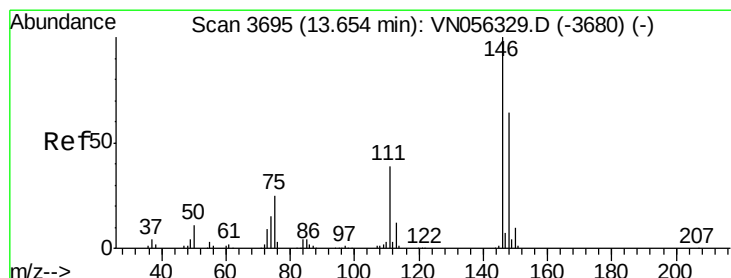
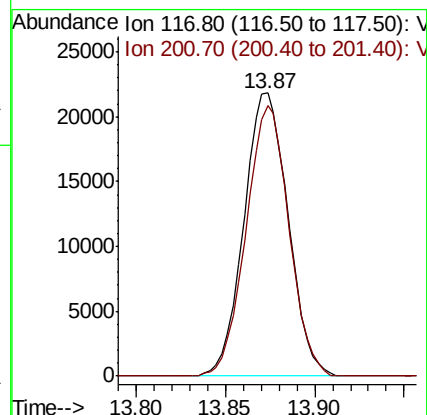
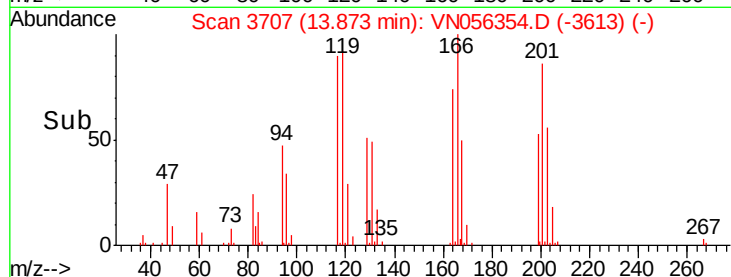
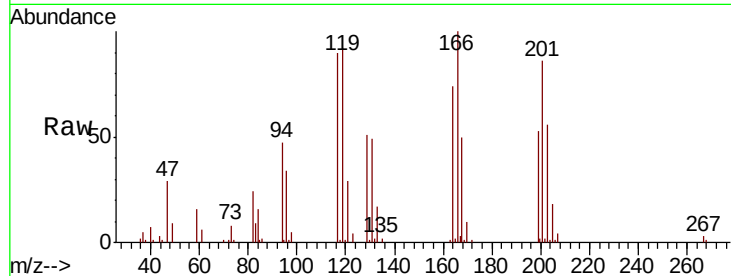
ClientSampled :

Tot Ion:117 Resp: 37768

Ion Ratio Lower Upper

117 100

201 92.9 45.8 137.3



#91

1,2-Dichlorobenzene

Concen: 20.092 ug/l

RT: 13.65 min Scan# 3638

Delta R.T. -0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

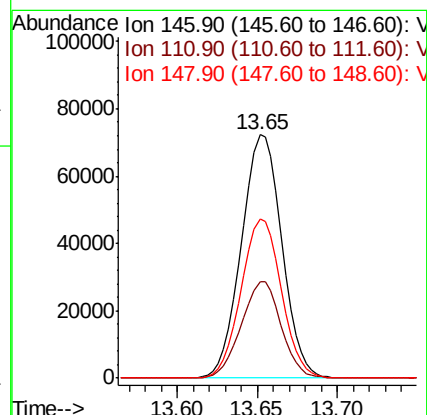
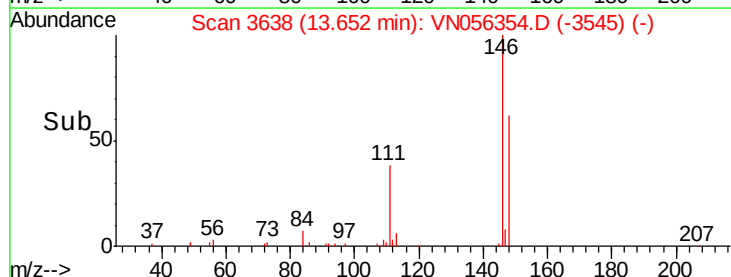
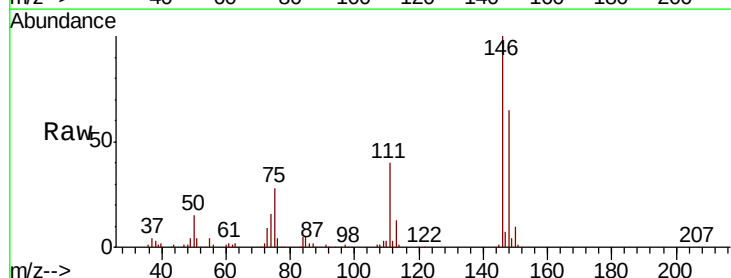
Tgt Ion:146 Resp: 124671

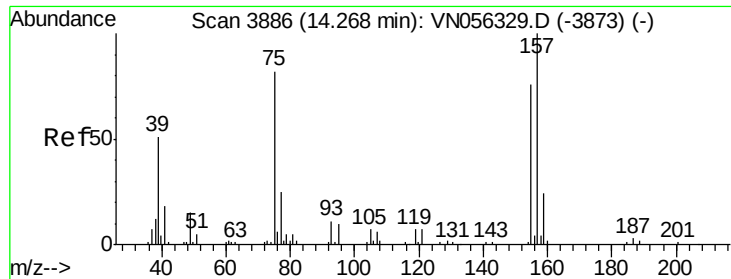
Ion Ratio Lower Upper

146 100

111 39.0 19.4 58.2

148 65.1 32.4 97.2

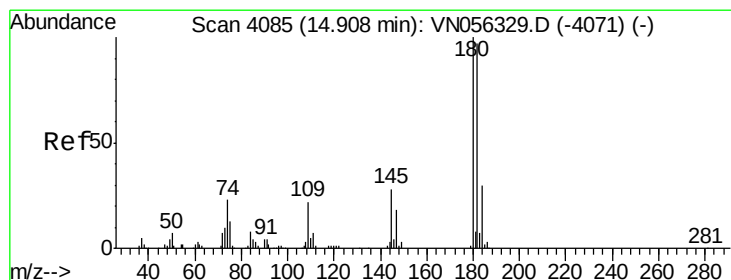
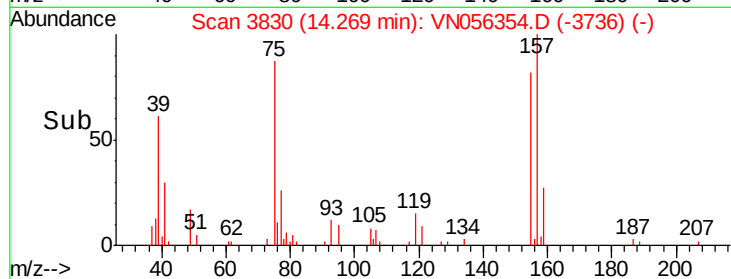
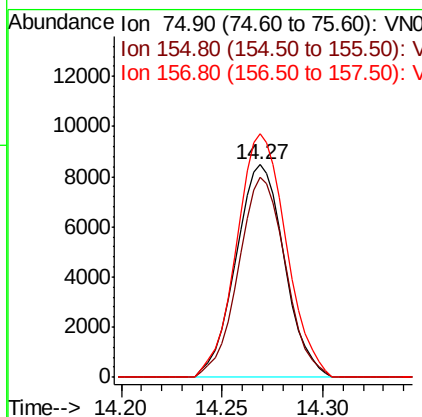
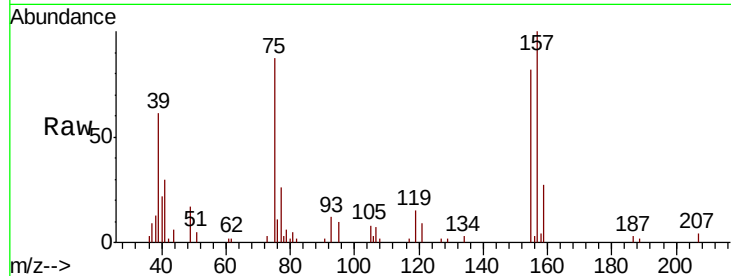




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.802 ug/l
 RT: 14.27 min Scan# 3830
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

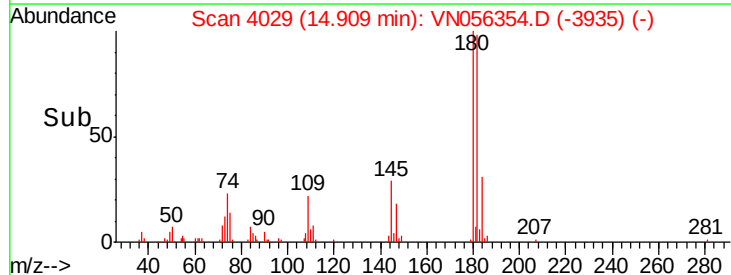
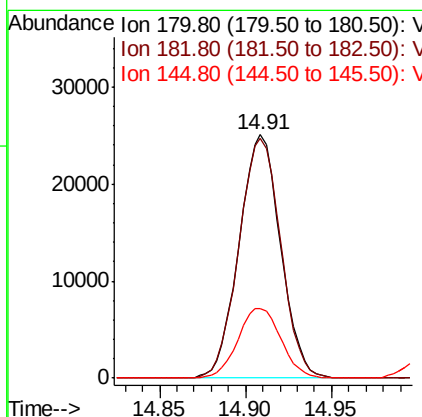
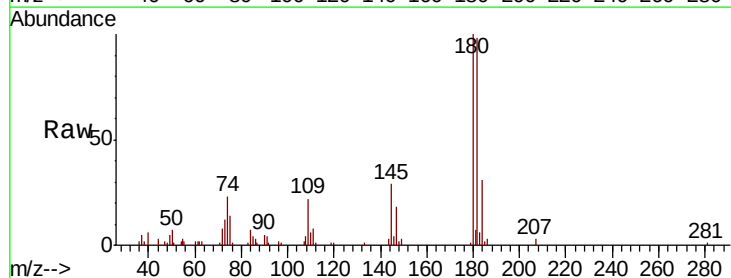
Instrument :
 MSVOA_N
 ClientSampleId :

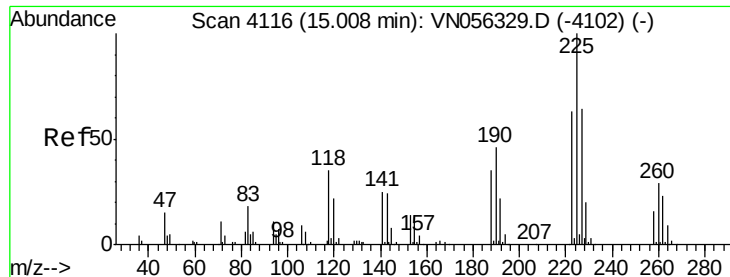
Tot Ion: 75 Resp: 14320
 Ion Ratio Lower Upper
 75 100
 155 91.2 47.8 143.4
 157 116.7 62.8 188.5



#93
 1,2,4-Trichlorobenzene
 Concen: 16.911 ug/l
 RT: 14.91 min Scan# 4029
 Delta R.T. 0.00 min
 Lab File: VN056354.D
 Acq: 18 Jun 2019 10:34

Tgt Ion: 180 Resp: 41894
 Ion Ratio Lower Upper
 180 100
 182 99.4 47.4 142.3
 145 29.7 14.0 41.9





#94

Hexachlorobutadiene

Concen: 20.405 ug/l

RT: 15.01 min Scan# 4060

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

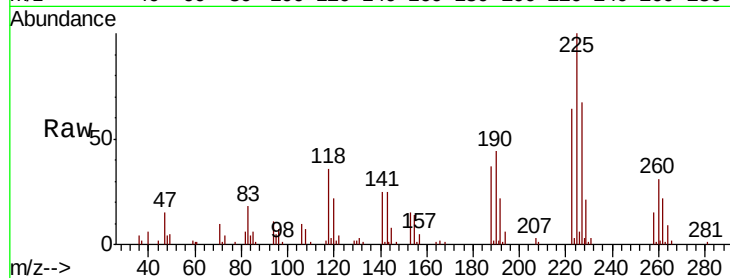
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:225 Resp: 46427

Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.2	93.6
227	65.6	31.7	95.1

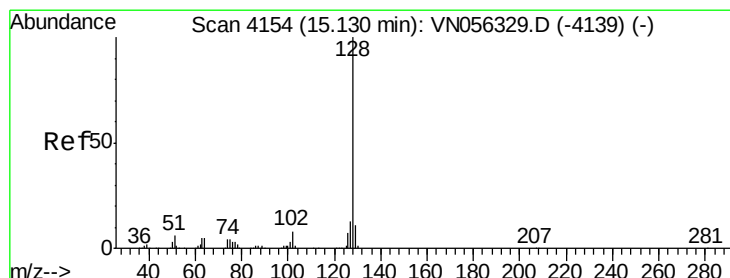
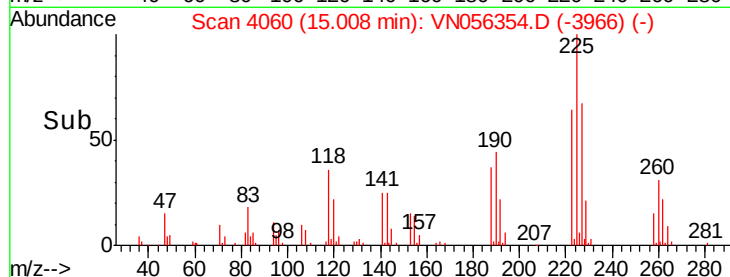
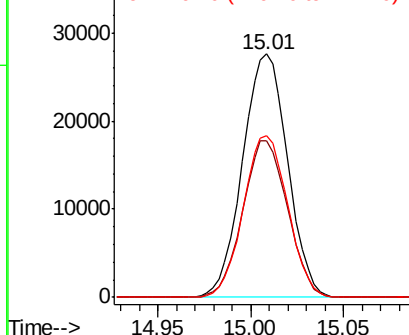


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 17.469 ug/l

RT: 15.13 min Scan# 4098

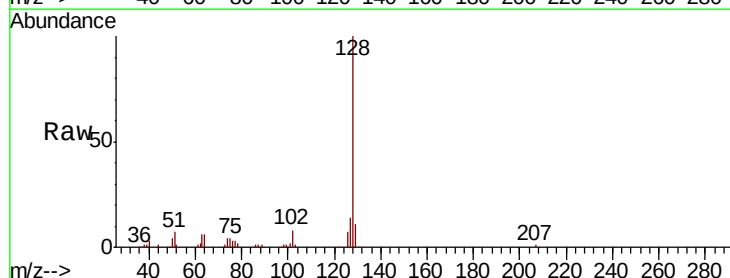
Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Tgt Ion:128 Resp: 120301

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.0	8.6	12.8

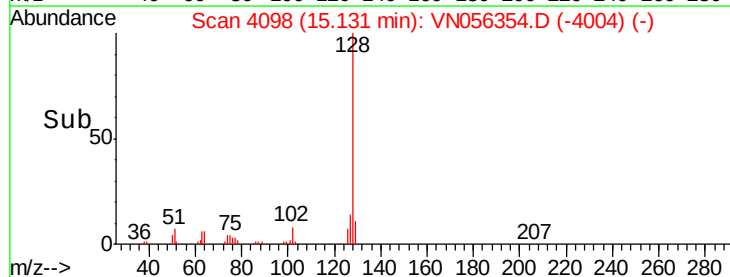
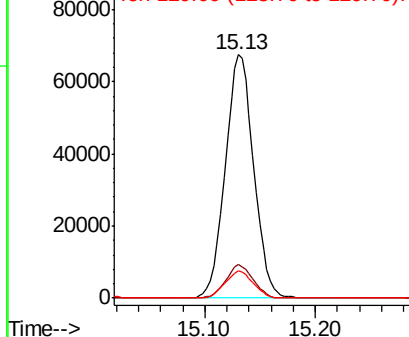


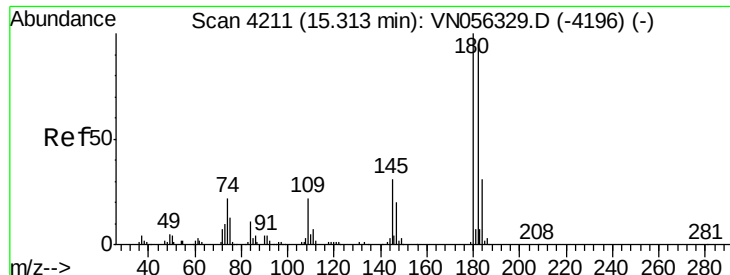
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 17.853 ug/l

RT: 15.31 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056354.D

Acq: 18 Jun 2019 10:34

Instrument :

MSVOA_N

ClientSampleId :

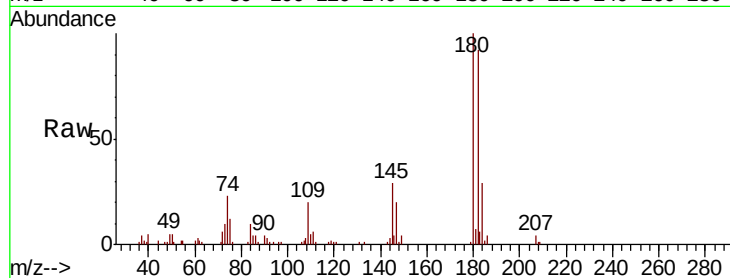
Tot Ion:180 Resp: 51365

Ion Ratio Lower Upper

180 100

182 95.9 47.1 141.4

145 29.9 14.9 44.9



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

