

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061919.D
 Acq On : 19 Jun 2020 00:05
 Operator : JC/MD
 Sample : VN0618WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Quant Time: Jun 19 05:31:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	148783	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	263577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	245602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	111444	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	97212	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
35) Dibromofluoromethane	7.55	113	82772	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
50) Toluene-d8	10.06	98	315794	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	12.38	95	103605	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	37566	19.583	ug/l 99
3) Chloromethane	2.03	50	41037	19.871	ug/l 99
4) Vinyl Chloride	2.16	62	50866	20.661	ug/l 100
5) Bromomethane	2.53	94	36224	19.160	ug/l 96
6) Chloroethane	2.67	64	33952	20.377	ug/l 98
7) Trichlorofluoromethane	2.98	101	60711	20.645	ug/l 95
8) Diethyl Ether	3.37	74	20393	20.627	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	30616	20.293	ug/l 97
10) Methyl Iodide	3.91	142	34522	22.261	ug/l 100
11) Tert butyl alcohol	4.74	59	24777	89.732	ug/l 99
12) 1,1-Dichloroethene	3.70	96	30350	20.077	ug/l 99
13) Acrolein	3.57	56	12230	74.107	ug/l 96
14) Allyl chloride	4.28	41	38664	19.271	ug/l 99
15) Acrylonitrile	4.93	53	69877	102.131	ug/l 99
16) Acetone	3.78	43	56052	95.099	ug/l 98
17) Carbon Disulfide	4.01	76	84652	19.138	ug/l 98
18) Methyl Acetate	4.28	43	34172	20.138	ug/l 99
19) Methyl tert-butyl Ether	4.99	73	99416	19.752	ug/l 100
20) Methylene Chloride	4.50	84	37589	19.575	ug/l 98
21) trans-1,2-Dichloroethene	4.99	96	34262	19.732	ug/l 99
22) Diisopropyl ether	5.90	45	90658	19.757	ug/l 99
23) Vinyl Acetate	5.84	43	347132	96.185	ug/l 100
24) 1,1-Dichloroethane	5.80	63	59761	19.895	ug/l 100
25) 2-Butanone	6.79	43	85475	99.396	ug/l 100
26) 2,2-Dichloropropane	6.78	77	40038	15.843	ug/l 98
27) cis-1,2-Dichloroethene	6.78	96	39235	19.583	ug/l 97
28) Bromochloromethane	7.15	49	27037	20.215	ug/l 97
29) Tetrahydrofuran	7.17	42	56226	99.351	ug/l 99
30) Chloroform	7.33	83	62299	19.406	ug/l 98
31) Cyclohexane	7.61	56	48974	18.624	ug/l 98
32) 1,1,1-Trichloroethane	7.53	97	54479	19.927	ug/l 100
36) 1,1-Dichloropropene	7.75	75	45323	18.852	ug/l 100
37) Ethyl Acetate	6.88	43	35853	19.097	ug/l 97
38) Carbon Tetrachloride	7.73	117	45521	19.120	ug/l 96

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 MSVOA_N
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 VN0618WBS02

Quant Time: Jun 19 05:31:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	47594	18.385	ug/l	100
40) Benzene	8.00	78	140226	19.255	ug/l	99
41) Methacrylonitrile	7.17	41	51830	64.562	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	48399	19.491	ug/l	99
43) Isopropyl Acetate	8.12	43	60429	19.100	ug/l #	90
44) Trichloroethene	8.80	130	37139	19.378	ug/l	99
45) 1,2-Dichloropropane	9.08	63	34866	19.481	ug/l	97
46) Dibromomethane	9.17	93	24411	19.369	ug/l	99
47) Bromodichloromethane	9.37	83	49830	19.309	ug/l	98
48) Methyl methacrylate	9.17	41	27493	19.108	ug/l	98
49) 1,4-Dioxane	9.17	88	12518	378.954	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	179701	96.117	ug/l	100
52) Toluene	10.12	92	90382	19.761	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	49734	18.154	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	56469	18.977	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	36493	20.279	ug/l	98
56) Ethyl methacrylate	10.40	69	44578	18.179	ug/l	98
57) 1,3-Dichloropropane	10.68	76	60186	19.742	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	77964	82.091	ug/l	99
59) 2-Hexanone	10.72	43	128312	94.704	ug/l	99
60) Dibromochloromethane	10.88	129	39378	19.611	ug/l	98
61) 1,2-Dibromoethane	10.98	107	36588	19.471	ug/l	99
64) Tetrachloroethene	10.60	164	30756	19.648	ug/l	98
65) Chlorobenzene	11.41	112	98133	18.936	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	35142	19.443	ug/l	98
67) Ethyl Benzene	11.48	91	165316	19.026	ug/l	99
68) m/p-Xylenes	11.60	106	127968	38.194	ug/l	98
69) o-Xylene	11.92	106	61133	19.123	ug/l	100
70) Styrene	11.94	104	100178	18.715	ug/l	100
71) Bromoform	12.10	173	25208	19.128	ug/l #	99
73) Isopropylbenzene	12.22	105	159416	20.130	ug/l	99
74) N-amyl acetate	12.05	43	48361	18.893	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	52300	20.313	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	60948	27.857	ug/l #	100
77) Bromobenzene	12.50	156	39626	19.833	ug/l	99
78) n-propylbenzene	12.57	91	179207	19.832	ug/l	100
79) 2-Chlorotoluene	12.65	91	108058	19.911	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	131282	20.037	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	14168	17.662	ug/l	97
82) 4-Chlorotoluene	12.75	91	112022	19.976	ug/l	100
83) tert-Butylbenzene	12.97	119	112267	20.212	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	131526	20.336	ug/l	99
85) sec-Butylbenzene	13.15	105	141312	19.437	ug/l	99
86) p-Isopropyltoluene	13.26	119	128301	19.805	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	69619	19.105	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	70630	18.936	ug/l	99
89) n-Butylbenzene	13.59	91	95766	17.701	ug/l	99
90) Hexachloroethane	13.85	117	23526	19.839	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	71050	20.253	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	8412	20.125	ug/l	96

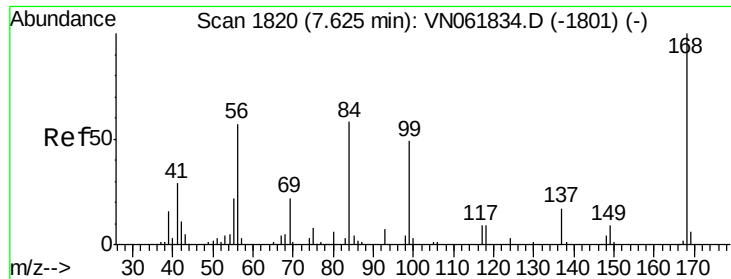
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
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Quant Title : SW846 8260
QLast Update : Wed Jun 17 01:19:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	29276	17.685	ug/l	99
94) Hexachlorobutadiene	14.98	225	12120	18.590	ug/l	95
95) Naphthalene	15.10	128	85706	17.867	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	31262	19.069	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

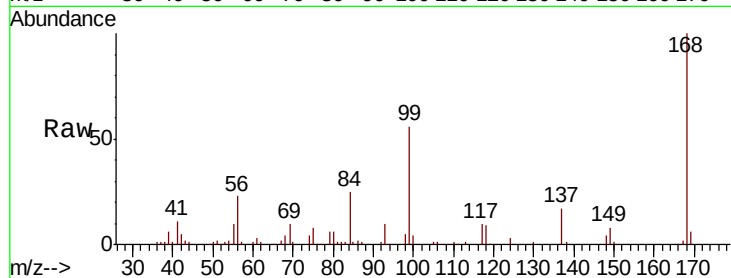
VN0618WBS02

Tot Ion:168 Resp: 148783

Ion Ratio Lower Upper

168 100

99 55.7 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

60000

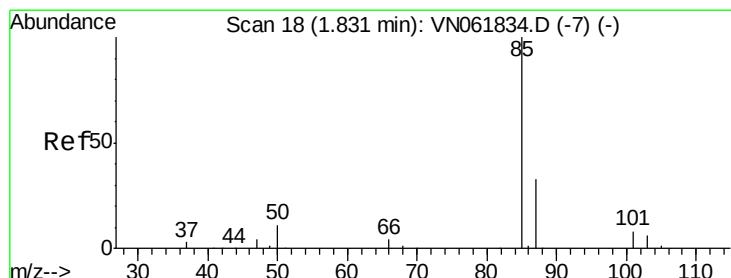
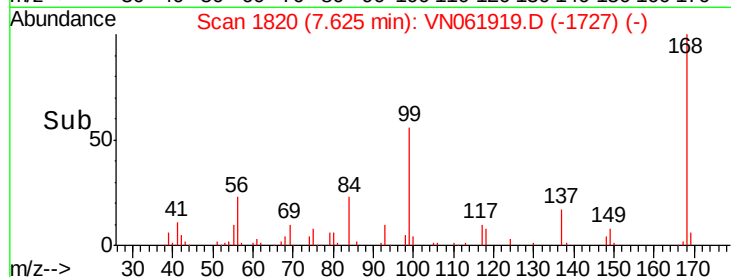
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.583 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061919.D

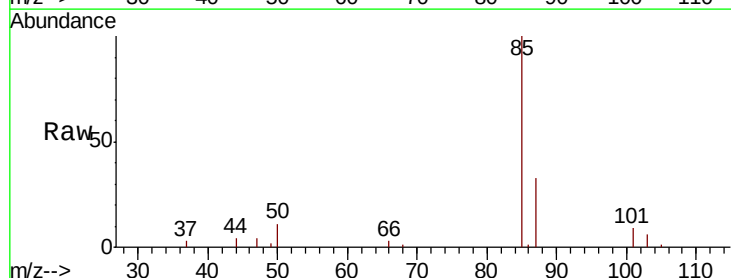
Acq: 19 Jun 2020 00:05

Tgt Ion: 85 Resp: 37566

Ion Ratio Lower Upper

85 100

87 32.6 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

30000

25000

20000

15000

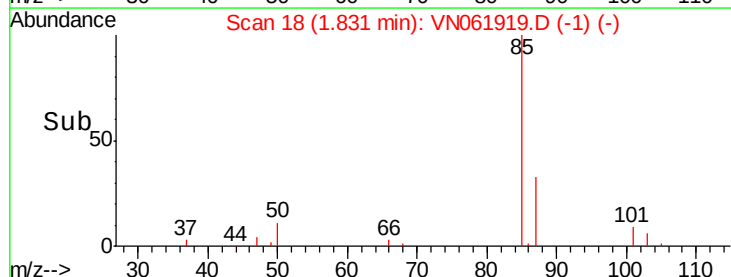
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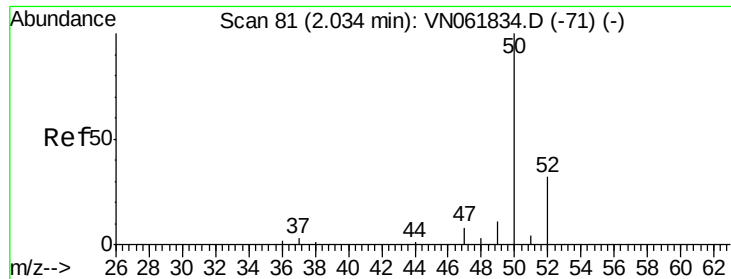
5000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.871 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

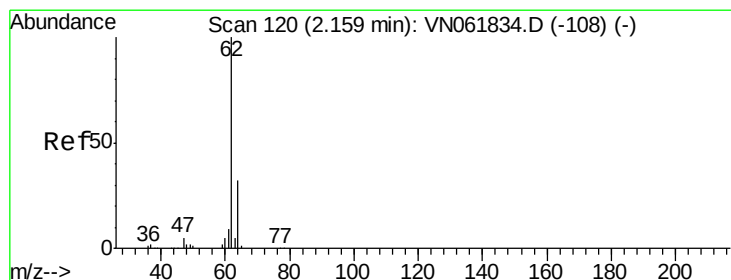
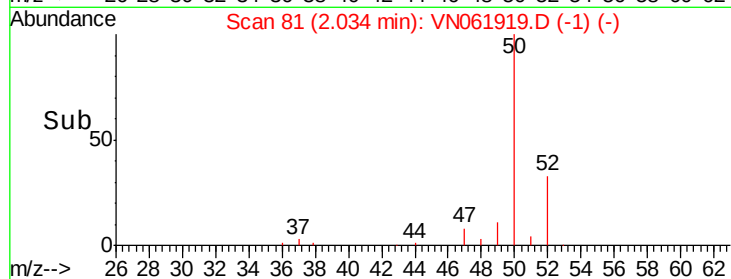
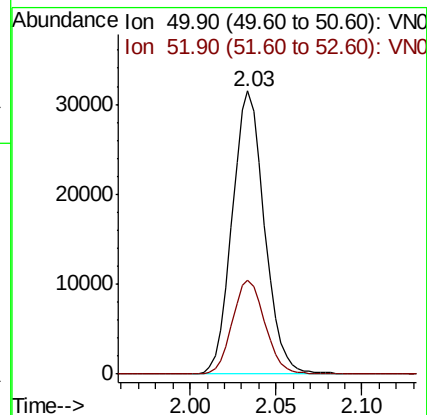
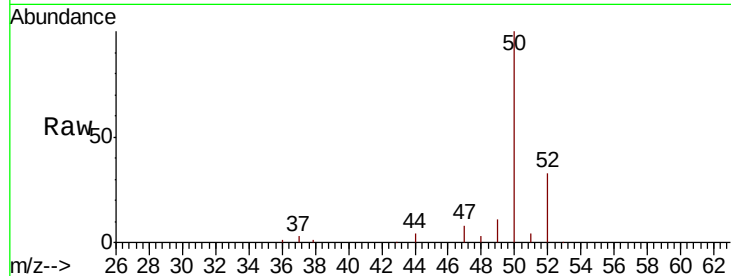
VN0618WBS02

Tot Ion: 50 Resp: 41037

Ion Ratio Lower Upper

50 100

52 33.2 26.0 39.0



#4

Vinyl Chloride

Concen: 20.661 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061919.D

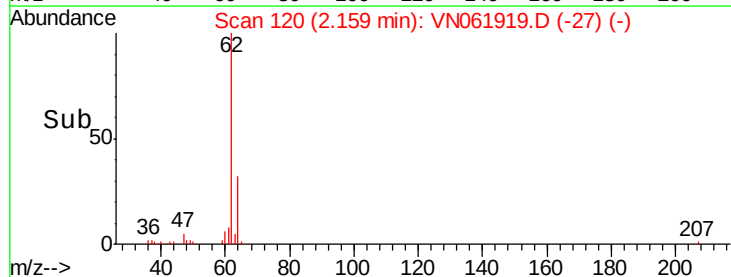
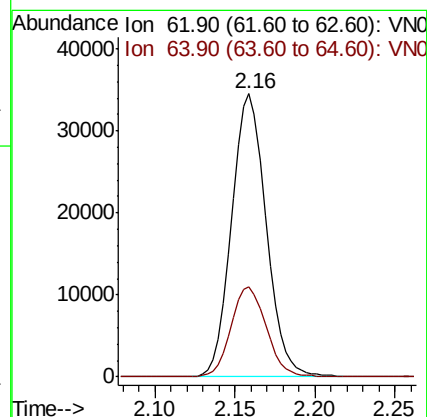
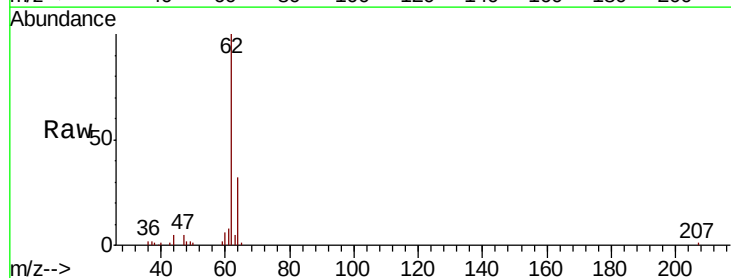
Acq: 19 Jun 2020 00:05

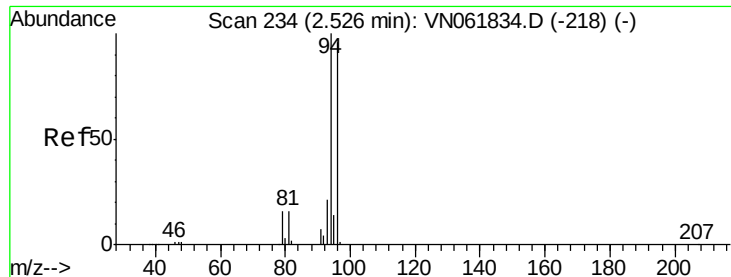
Tgt Ion: 62 Resp: 50866

Ion Ratio Lower Upper

62 100

64 32.0 25.5 38.3





#5

Bromomethane

Concen: 19.160 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

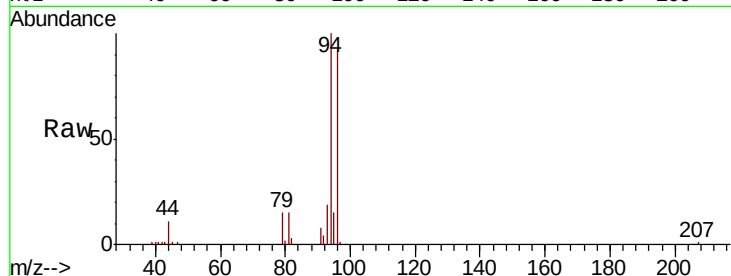
VN0618WBS02

Tot Ion: 94 Resp: 36224

Ion Ratio Lower Upper

94 100

96 91.8 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

20000

15000

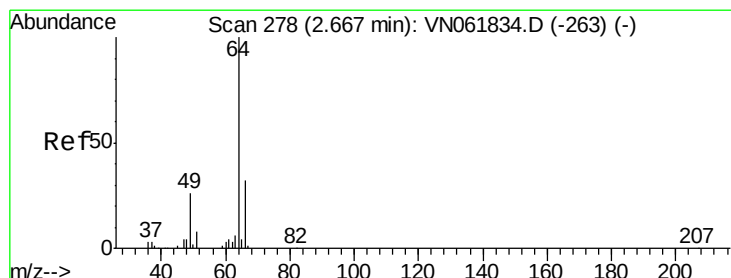
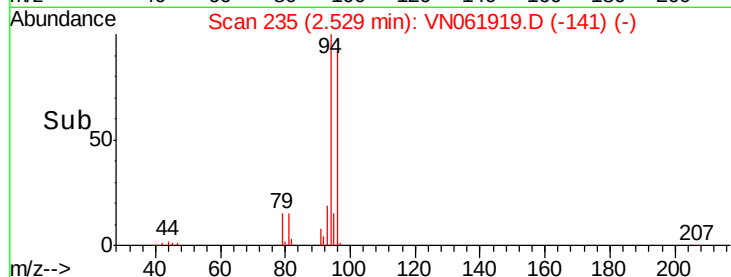
10000

5000

0

2.45 2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 20.377 ug/l

RT: 2.67 min Scan# 279

Delta R.T. 0.00 min

Lab File: VN061919.D

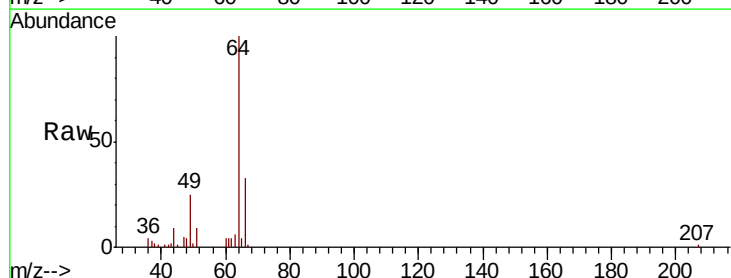
Acq: 19 Jun 2020 00:05

Tgt Ion: 64 Resp: 33952

Ion Ratio Lower Upper

64 100

66 33.1 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

15000

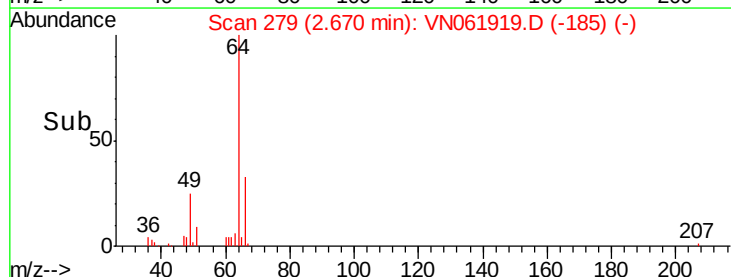
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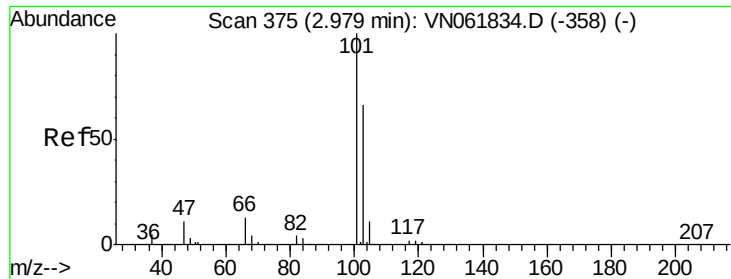
5000

0

2.60 2.65 2.70 2.75

Time-->



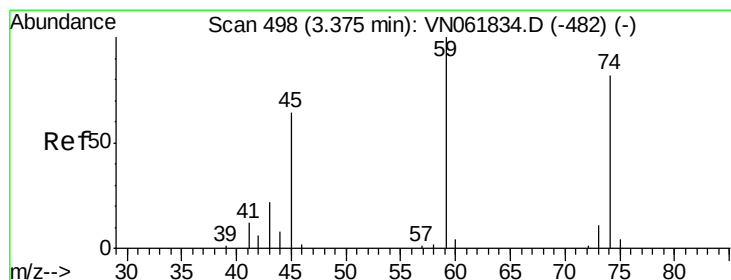
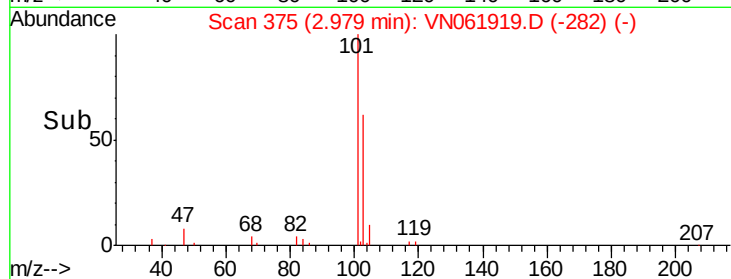
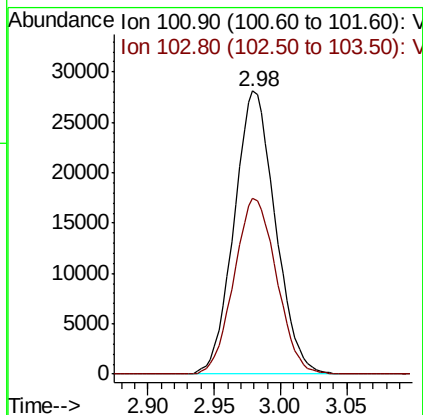
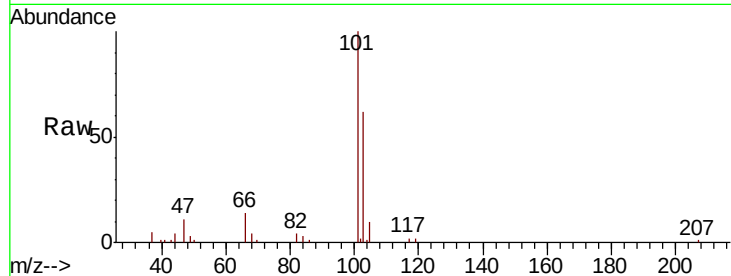


#7

Trichlorofluoromethane
 Concen: 20.645 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Instrument :
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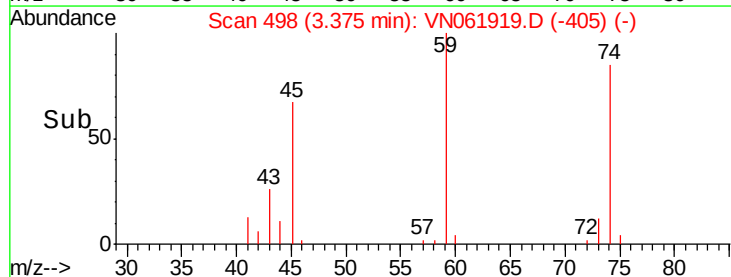
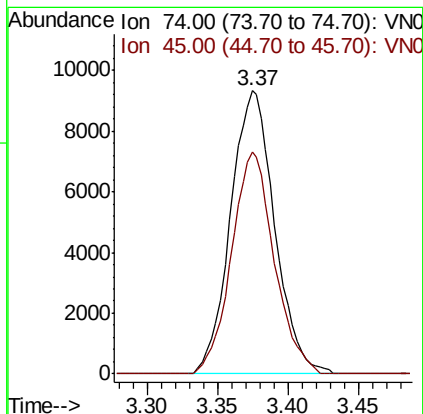
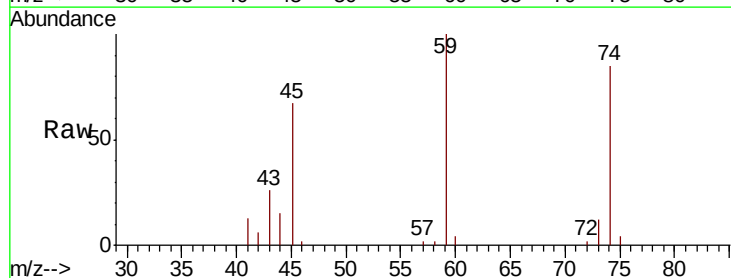
Tot Ion:101 Resp: 60711
 Ion Ratio Lower Upper
 101 100
 103 62.3 52.8 79.2

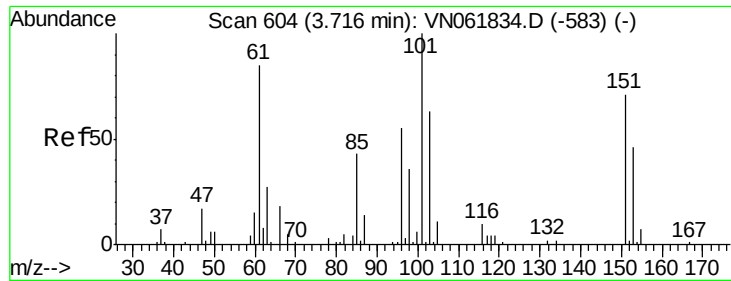


#8

Diethyl Ether
 Concen: 20.627 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion: 74 Resp: 20393
 Ion Ratio Lower Upper
 74 100
 45 75.9 39.1 117.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.293 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

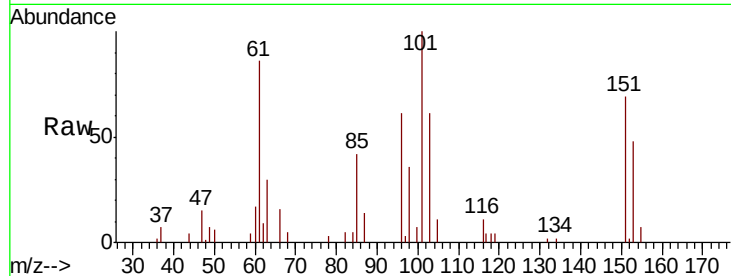
Tot Ion:101 Resp: 30616

Ion Ratio Lower Upper

101 100

85 42.2 35.0 52.6

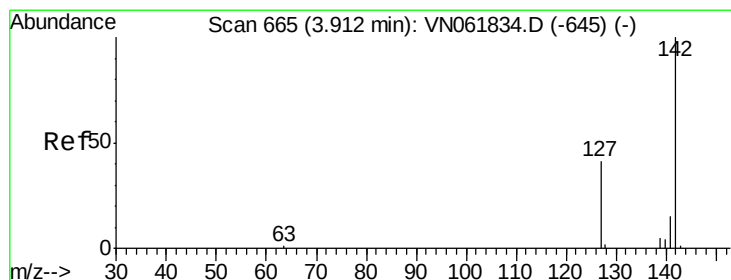
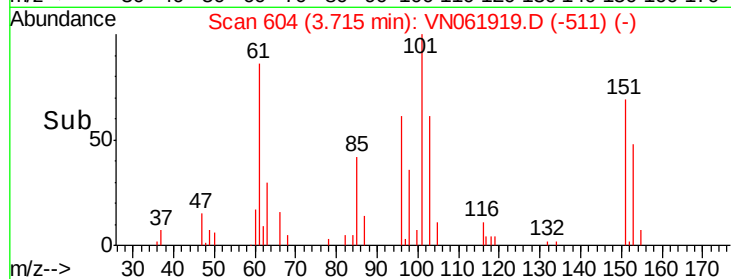
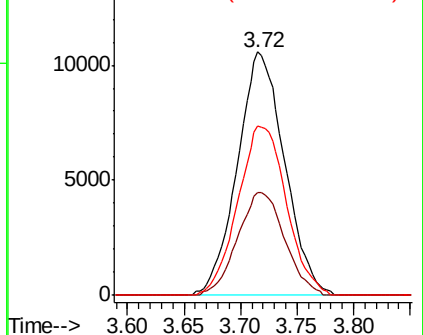
151 71.8 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.261 ug/l

RT: 3.91 min Scan# 664

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

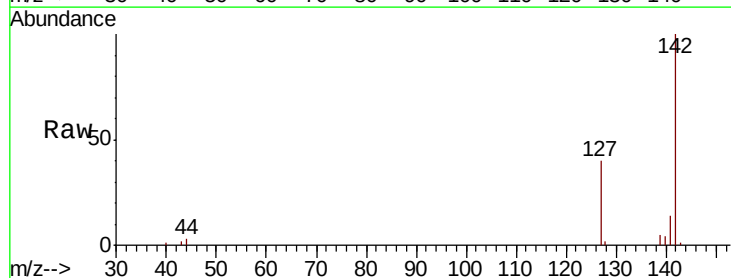
Tgt Ion:142 Resp: 34522

Ion Ratio Lower Upper

142 100

127 41.4 33.4 50.0

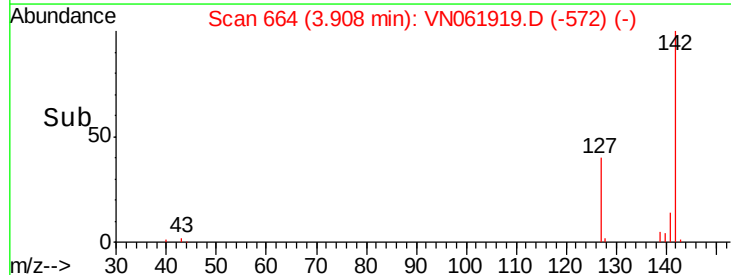
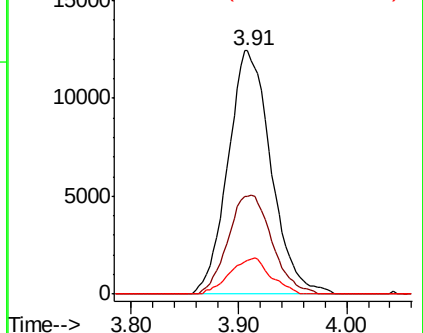
141 14.0 11.3 16.9

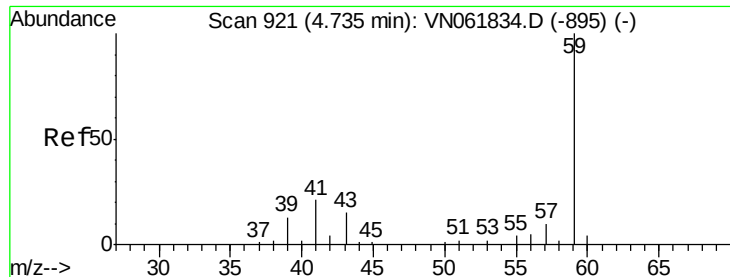


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

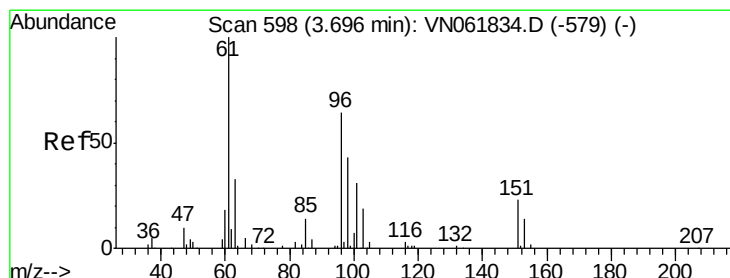
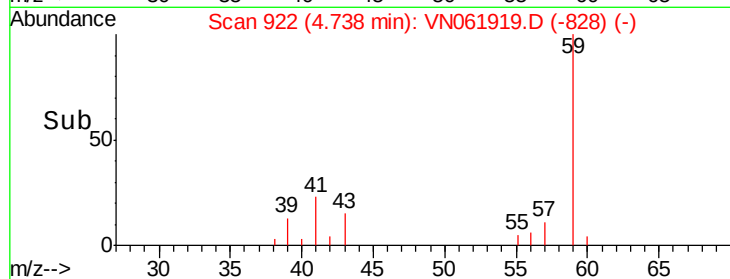
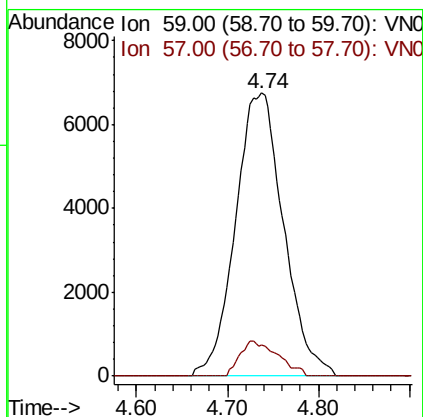
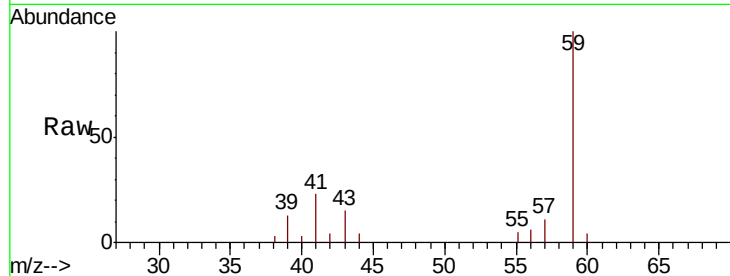




#11
Tert butyl alcohol
Concen: 89.732 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

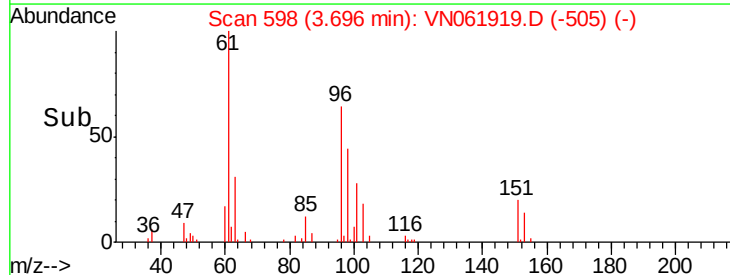
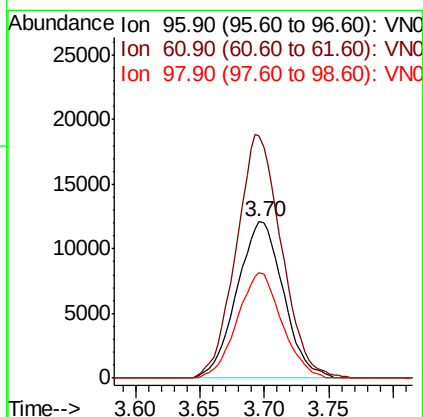
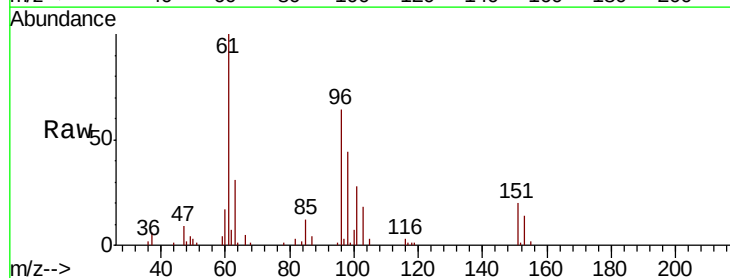
Instrument :
MSVOA_N
ClientSampled :
VN0618WBS02

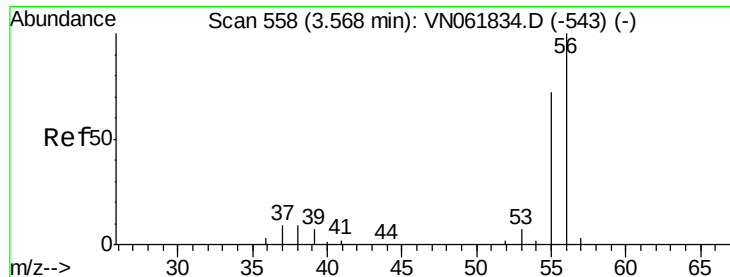
Tot Ion: 59 Resp: 24777
Ion Ratio Lower Upper
59 100
57 9.9 7.7 11.5



#12
1,1-Dichloroethene
Concen: 20.077 ug/l
RT: 3.70 min Scan# 598
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion: 96 Resp: 30350
Ion Ratio Lower Upper
96 100
61 155.1 124.3 186.5
98 67.8 53.1 79.7





#13

Acrolein

Concen: 74.107 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

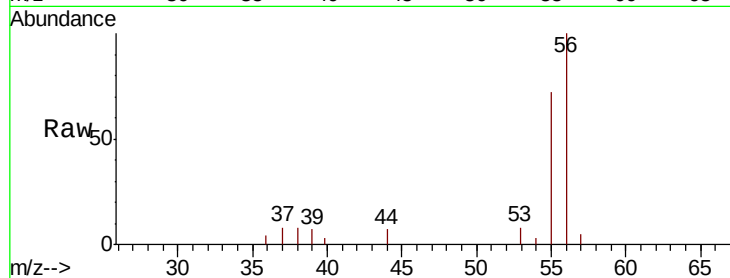
VN0618WBS02

Tot Ion: 56 Resp: 12230

Ion Ratio Lower Upper

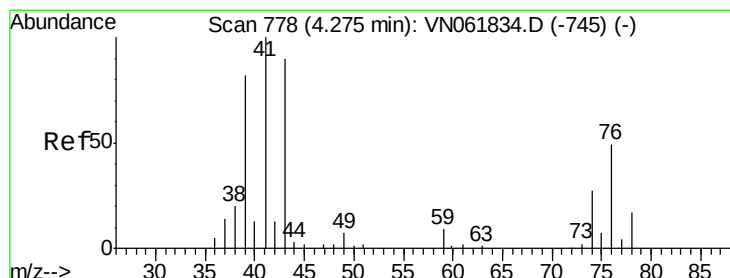
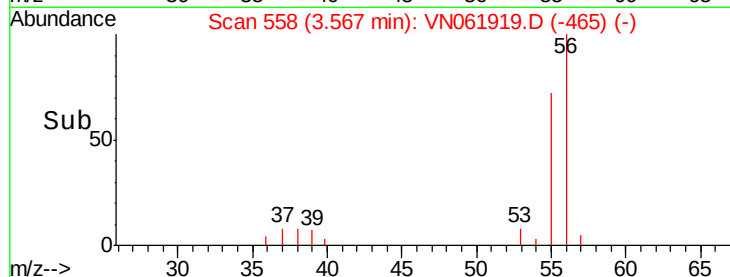
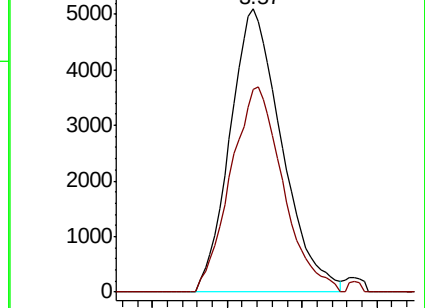
56 100

55 73.4 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VN061834.D (-543) (-)

Ion 55.00 (54.70 to 55.70): VN061834.D (-543) (-)



#14

Allyl chloride

Concen: 19.271 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

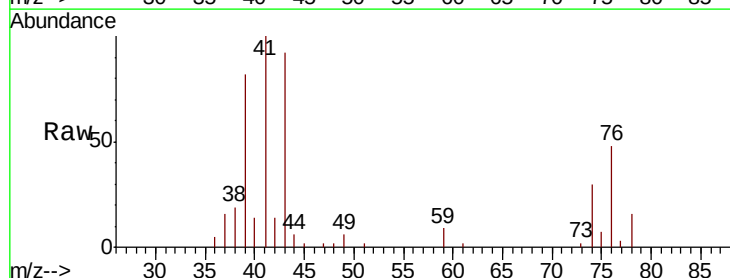
Tgt Ion: 41 Resp: 38664

Ion Ratio Lower Upper

41 100

39 74.5 60.2 90.2

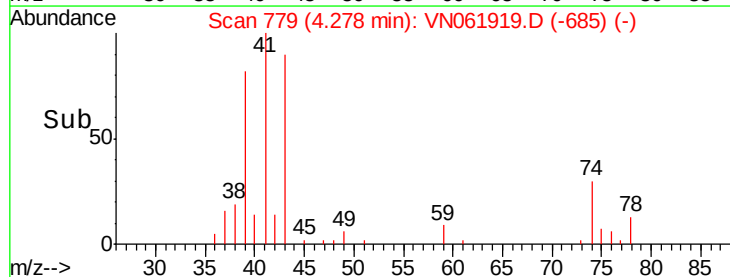
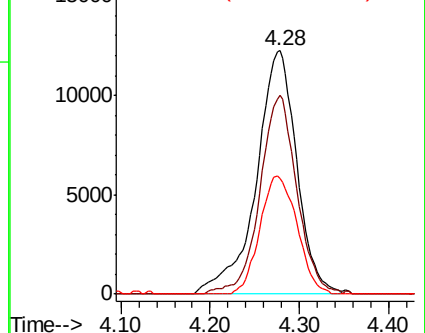
76 44.5 36.3 54.5

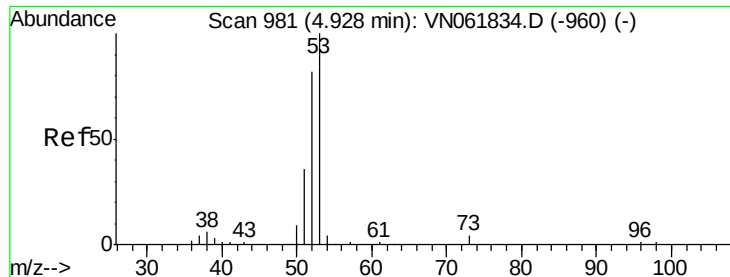


Abundance Ion 41.00 (40.70 to 41.70): VN061834.D (-745) (-)

Ion 39.00 (38.70 to 39.70): VN061834.D (-745) (-)

Ion 75.90 (75.60 to 76.60): VN061834.D (-745) (-)





#15

Acrylonitrile

Concen: 102.131 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

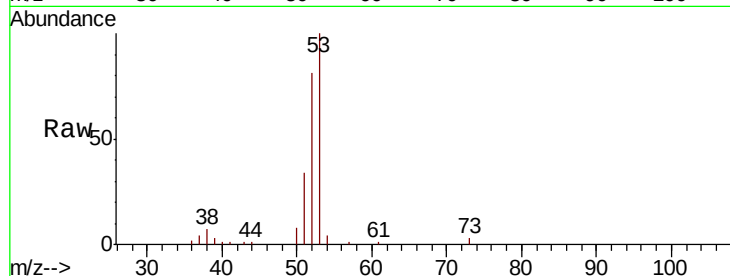
Tot Ion: 53 Resp: 69877

Ion Ratio Lower Upper

53 100

52 80.8 65.2 97.8

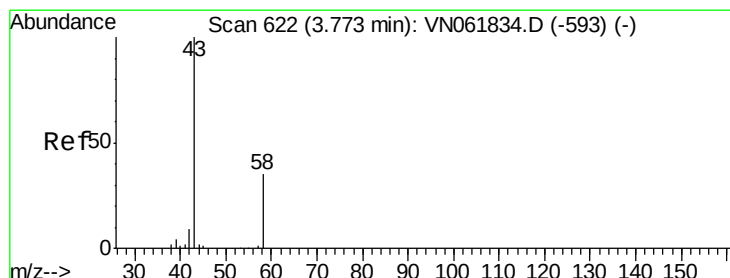
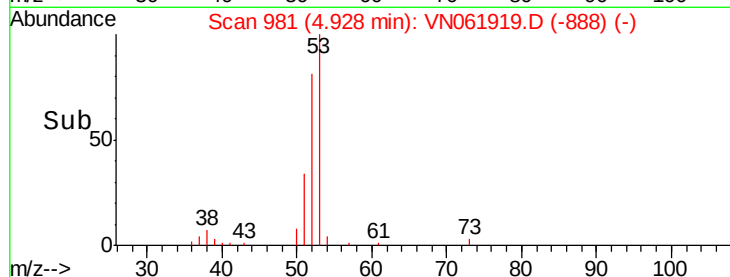
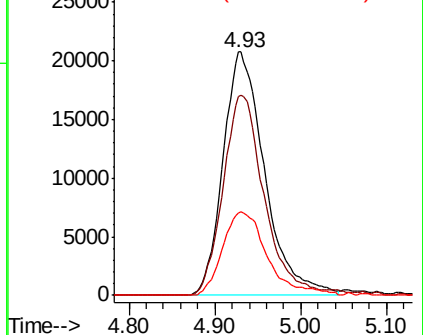
51 36.6 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN061834.D (-960) (-)

Ion 52.00 (51.70 to 52.70): VN061834.D (-960) (-)

Ion 51.00 (50.70 to 51.70): VN061834.D (-960) (-)



#16

Acetone

Concen: 95.099 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061919.D

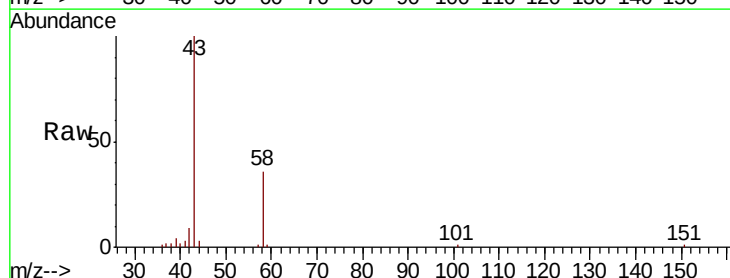
Acq: 19 Jun 2020 00:05

Tgt Ion: 43 Resp: 56052

Ion Ratio Lower Upper

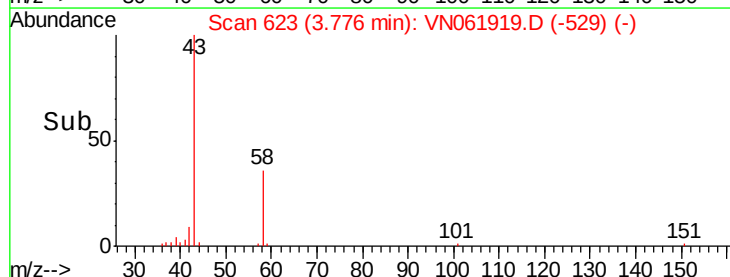
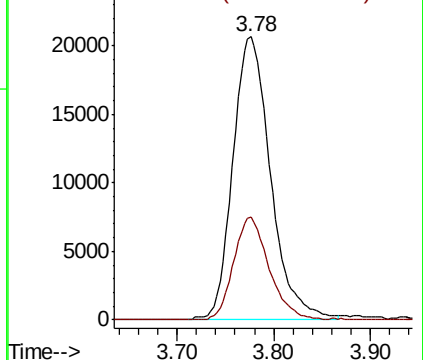
43 100

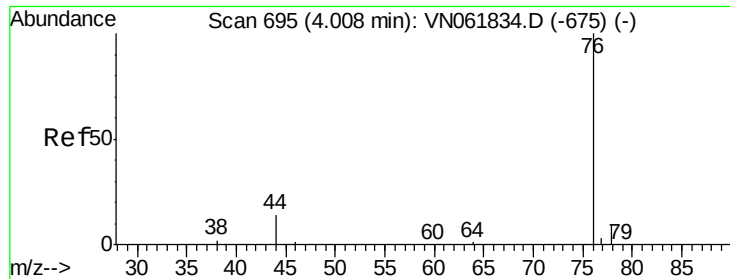
58 36.1 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-593) (-)

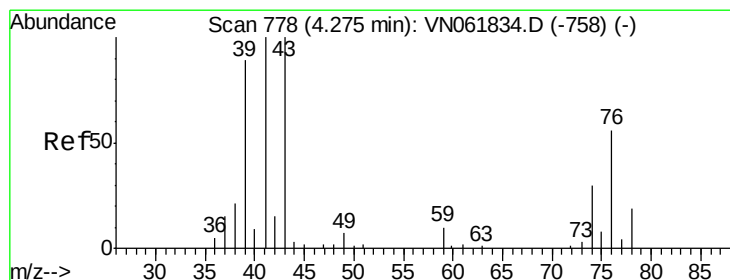
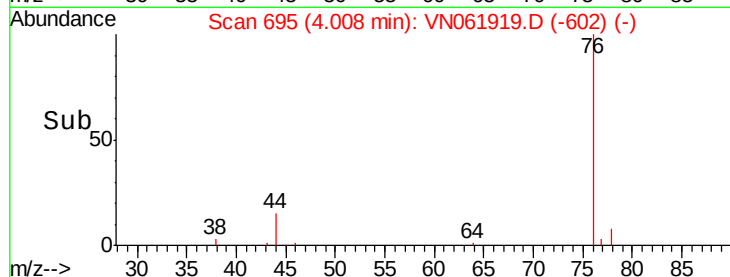
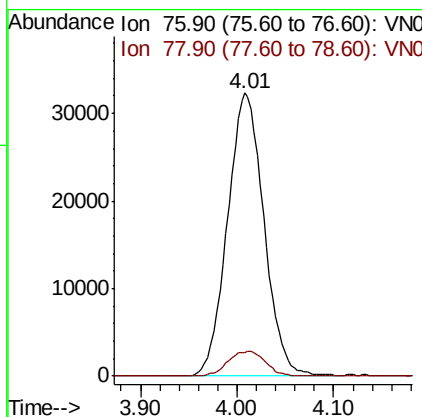
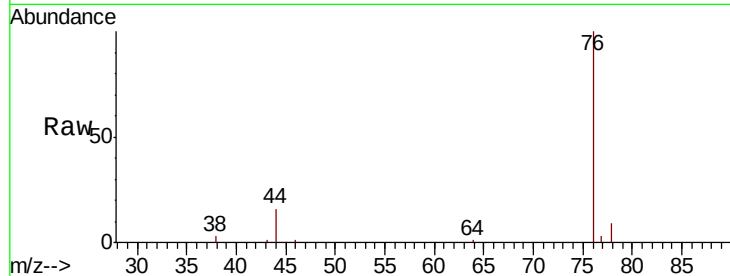




#17
Carbon Disulfide
Concen: 19.138 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

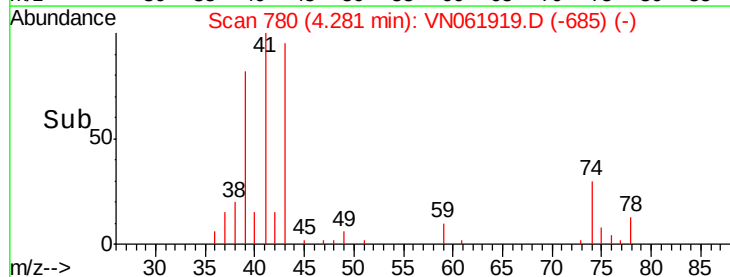
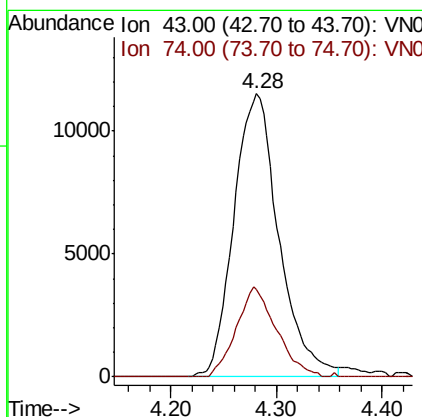
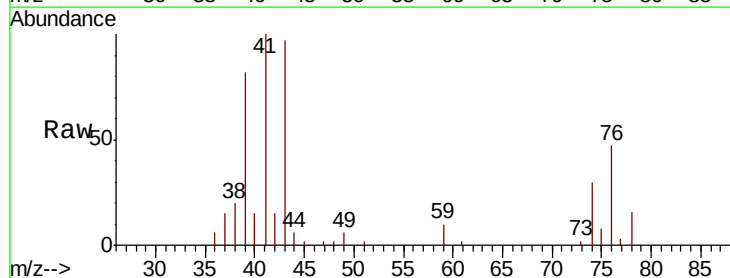
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

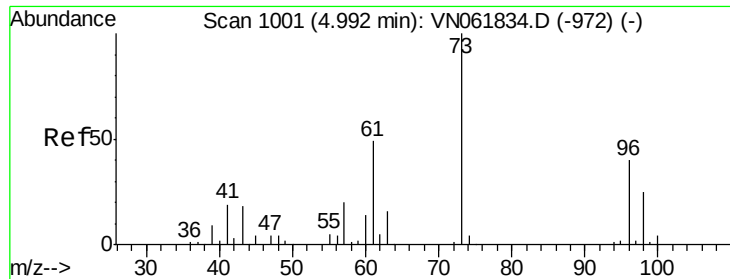
Tot Ion: 76 Resp: 84652
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9



#18
Methyl Acetate
Concen: 20.138 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion: 43 Resp: 34172
Ion Ratio Lower Upper
43 100
74 28.3 23.0 34.4



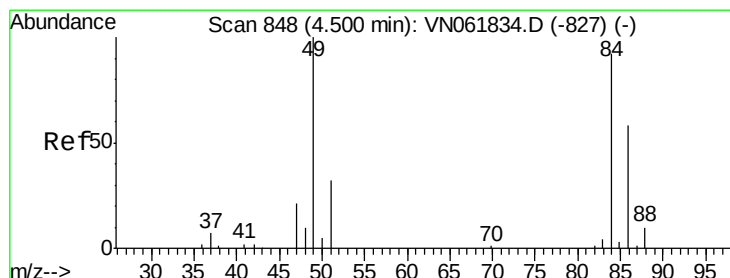
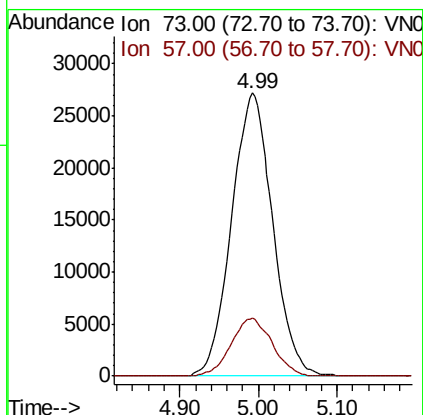
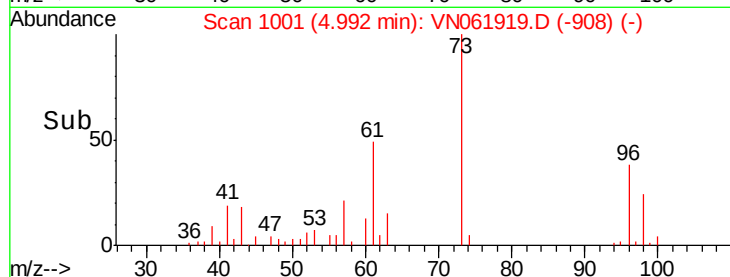
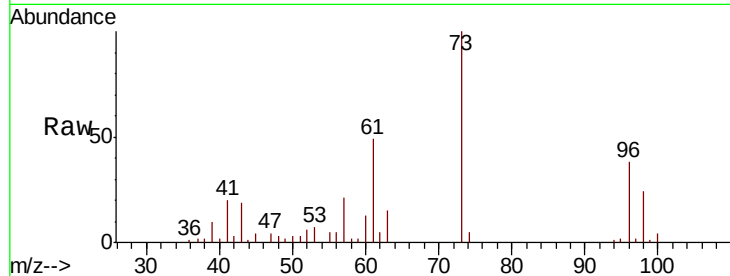


#19

Methyl tert-butyl Ether
 Concen: 19.752 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0618WBS02

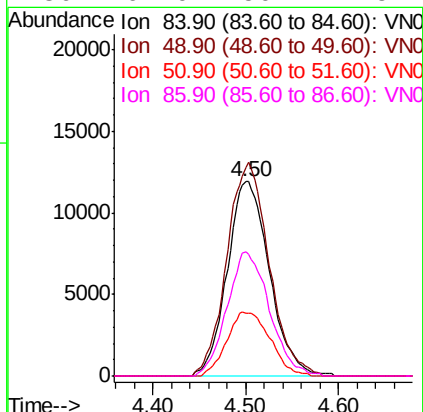
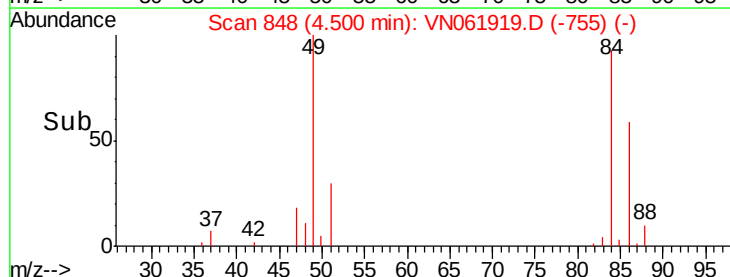
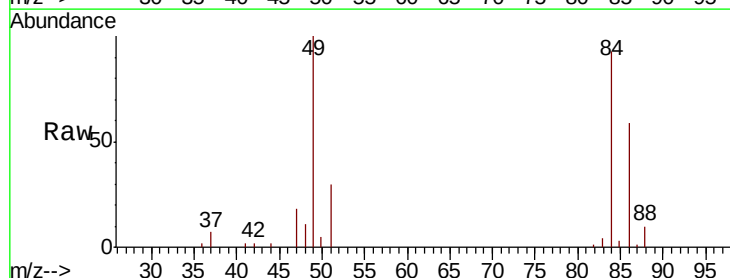
Tot Ion: 73 Resp: 99416
 Ion Ratio Lower Upper
 73 100
 57 20.5 16.2 24.4

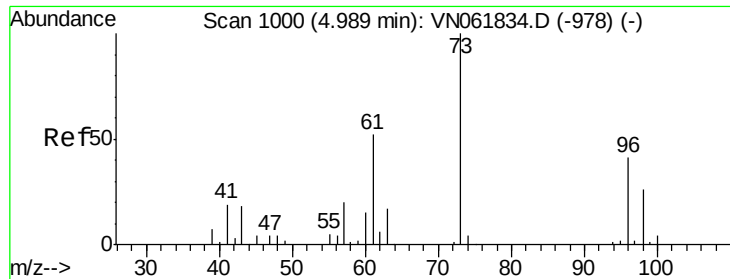


#20

Methylene Chloride
 Concen: 19.575 ug/l
 RT: 4.50 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion: 84 Resp: 37589
 Ion Ratio Lower Upper
 84 100
 49 107.7 87.0 130.4
 51 32.6 27.8 41.6
 86 64.0 50.2 75.2

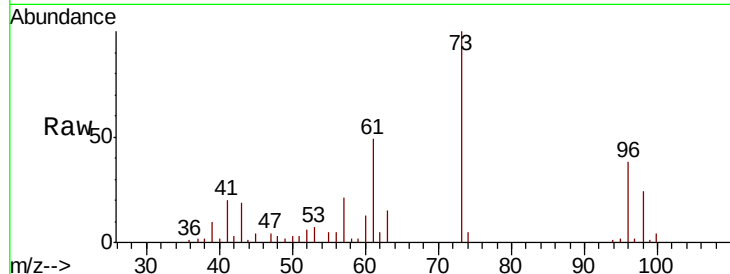




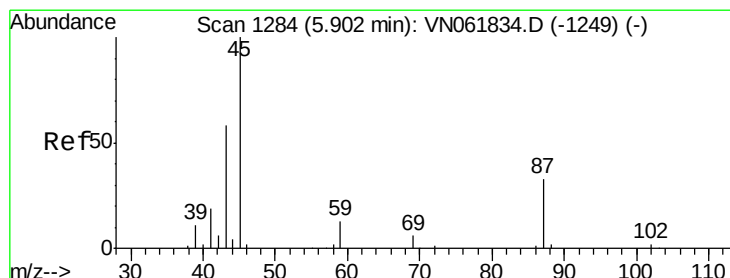
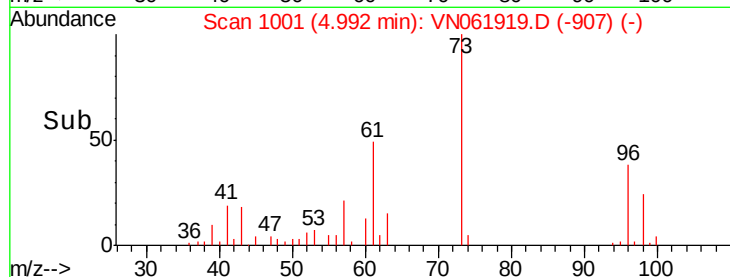
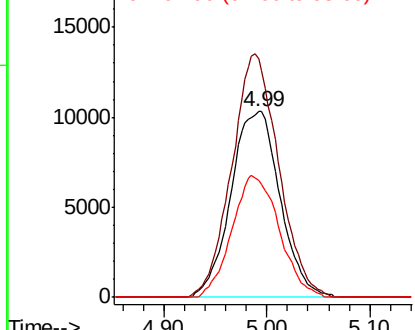
#21
trans-1,2-Dichloroethene
Concen: 19.732 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion: 96 Resp: 34262
Ion Ratio Lower Upper
96 100
61 128.6 102.2 153.4
98 62.9 51.2 76.8

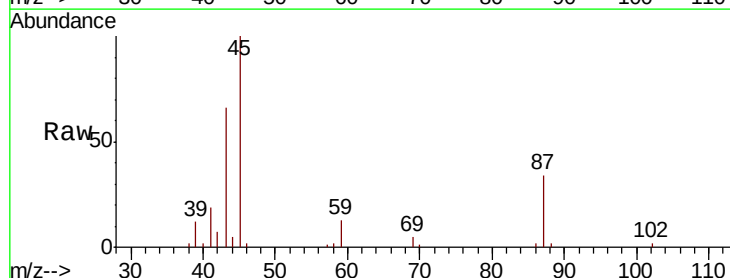


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

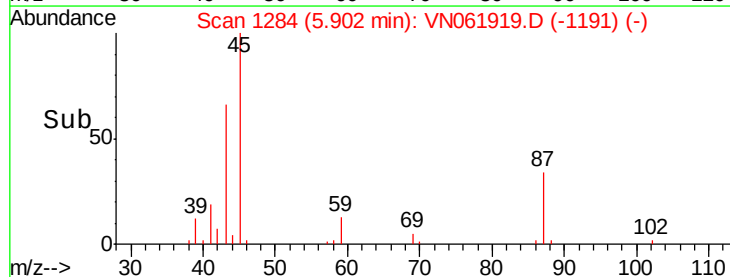
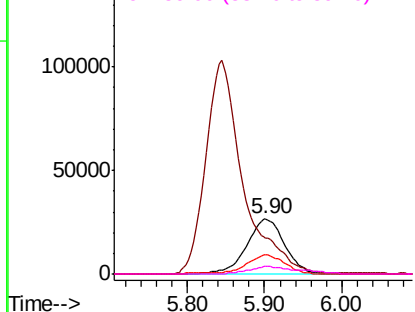


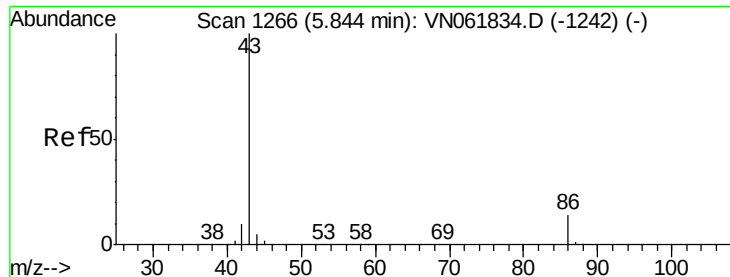
#22
Diisopropyl ether
Concen: 19.757 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion: 45 Resp: 90658
Ion Ratio Lower Upper
45 100
43 63.0 49.4 74.2
87 34.3 27.4 41.0
59 13.4 10.6 15.8



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

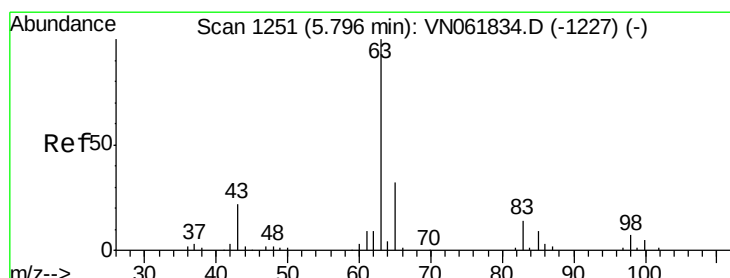
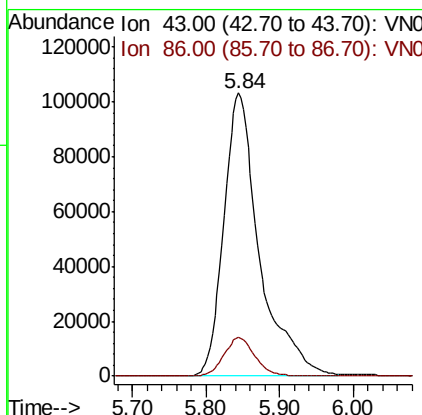
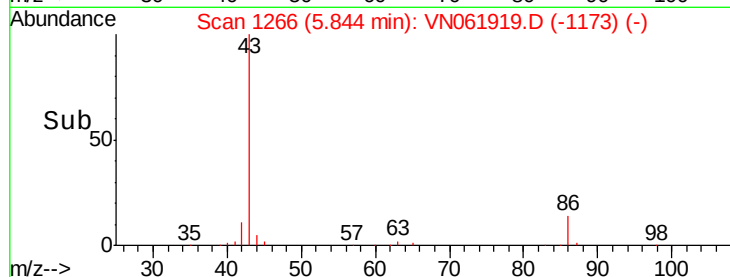
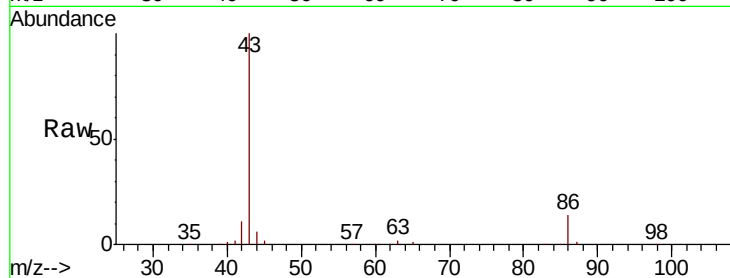




#23
 Vinyl Acetate
 Concen: 96.185 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

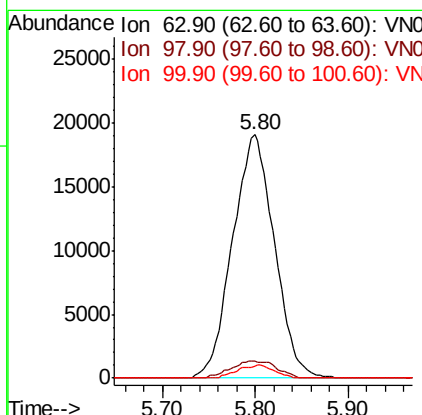
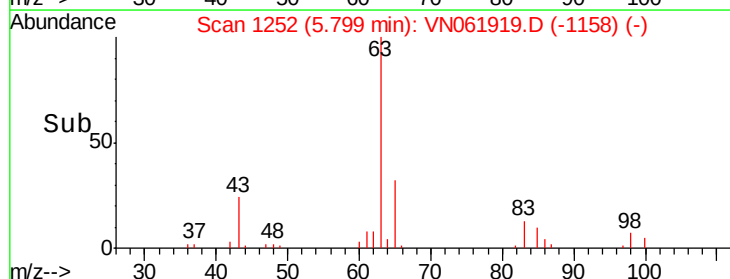
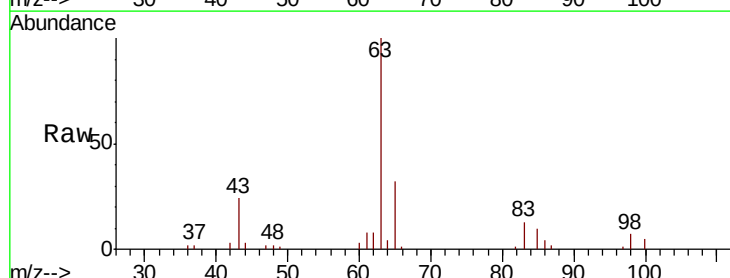
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

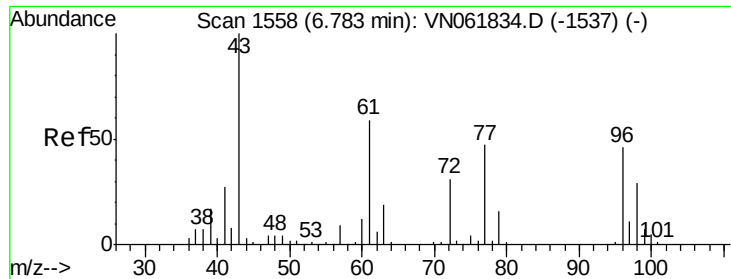
Tot Ion: 43 Resp: 347132
 Ion Ratio Lower Upper
 43 100
 86 13.7 10.9 16.3



#24
 1,1-Dichloroethane
 Concen: 19.895 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion: 63 Resp: 59761
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.5 10.4
 100 4.9 2.5 7.4





#25

2-Butanone

Concen: 99.396 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampled :

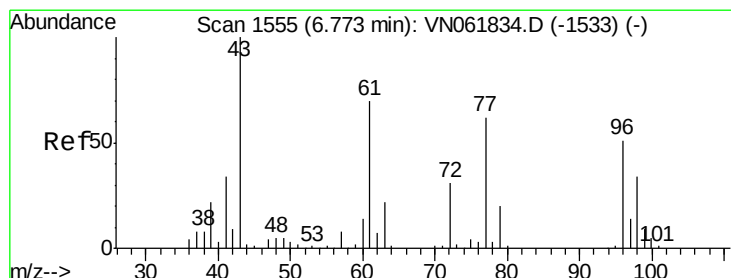
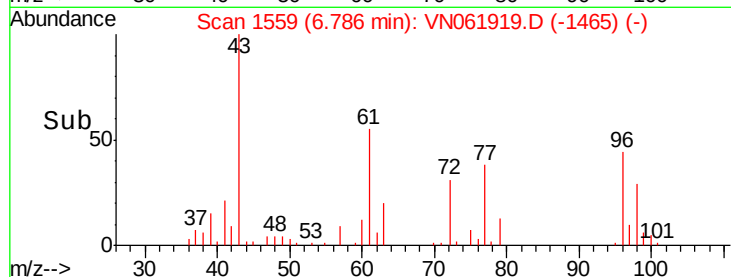
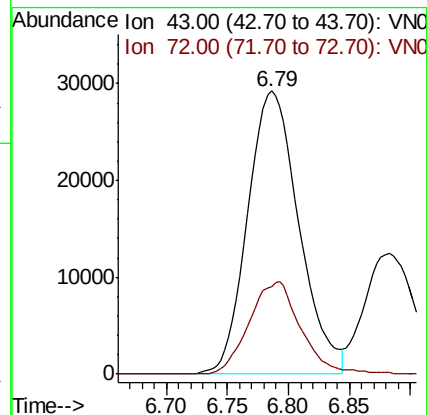
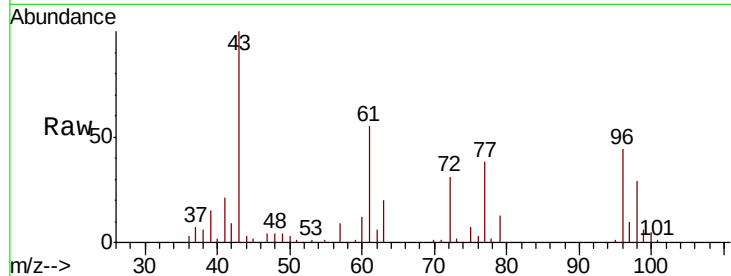
VN0618WBS02

Tot Ion: 43 Resp: 85475

Ion Ratio Lower Upper

43 100

72 30.9 24.6 37.0



#26

2,2-Dichloropropane

Concen: 15.843 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061919.D

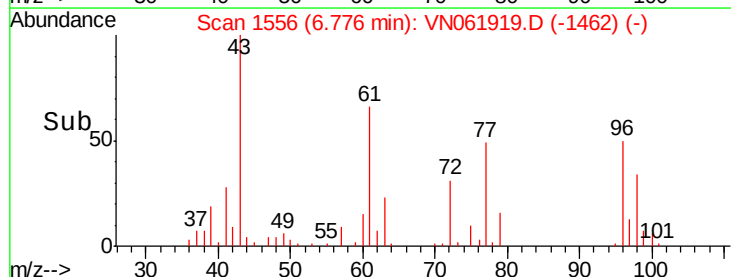
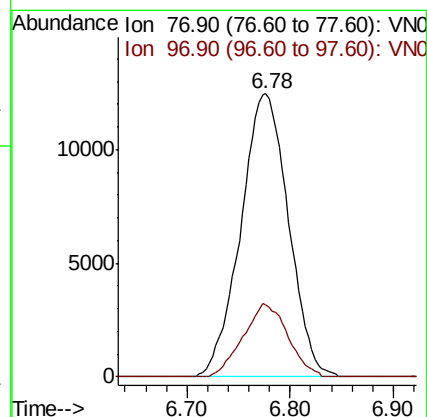
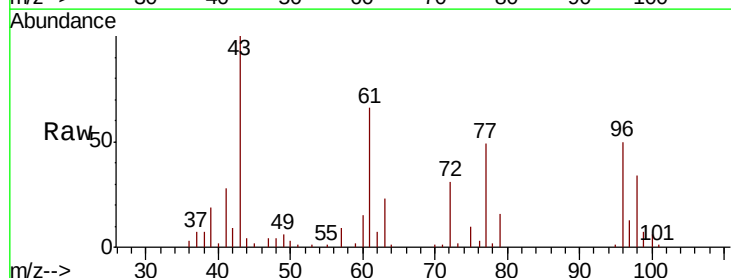
Acq: 19 Jun 2020 00:05

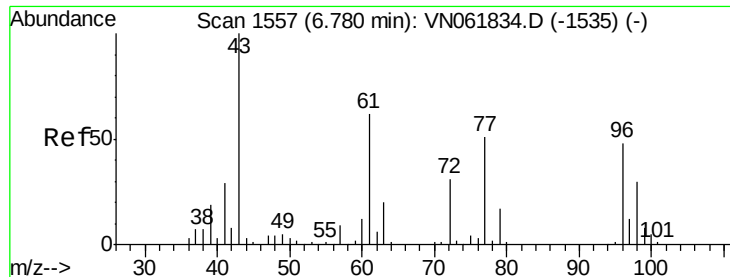
Tgt Ion: 77 Resp: 40038

Ion Ratio Lower Upper

77 100

97 24.3 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 19.583 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampled :

VN0618WBS02

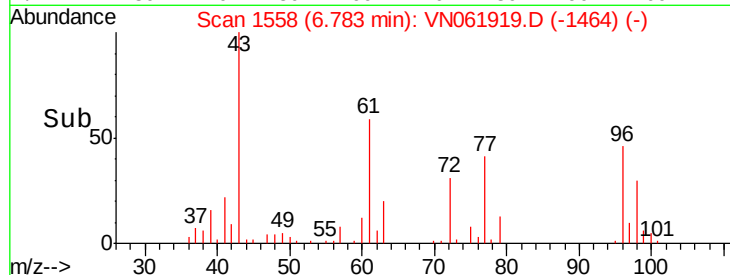
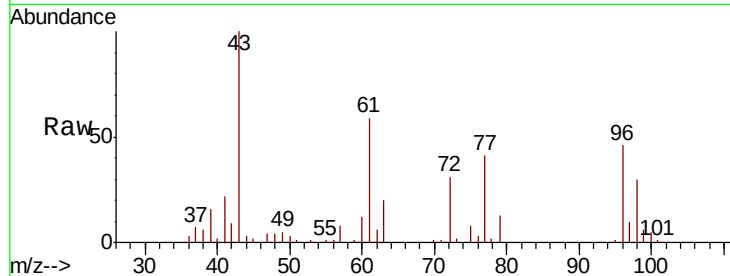
Tot Ion: 96 Resp: 39235

Ion Ratio Lower Upper

96 100

61 128.4 0.0 265.6

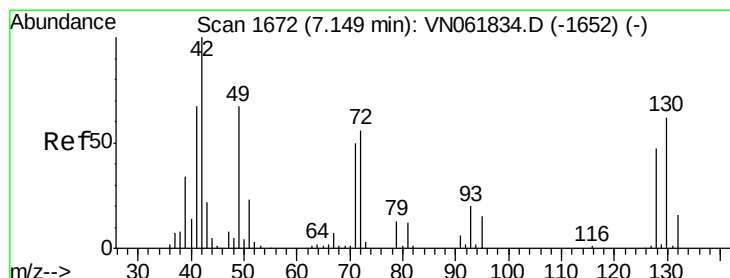
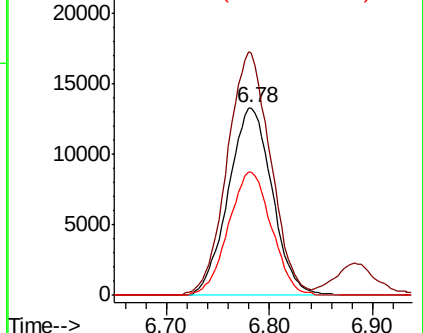
98 64.6 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.215 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

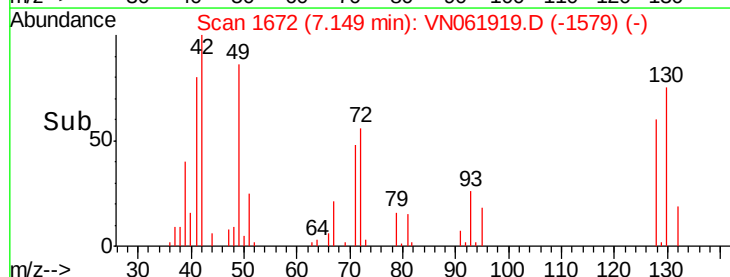
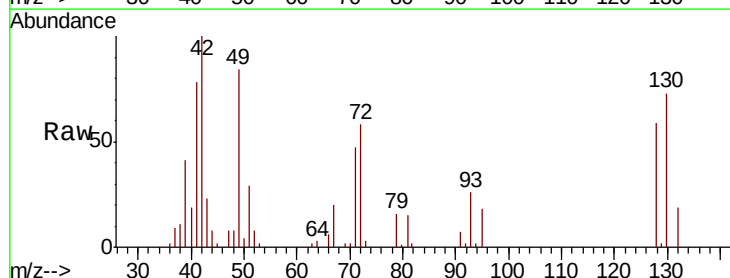
Tgt Ion: 49 Resp: 27037

Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.0

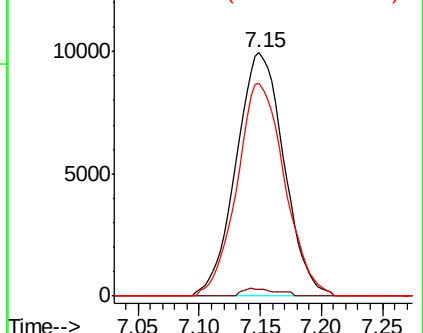
130 87.0 72.2 108.2

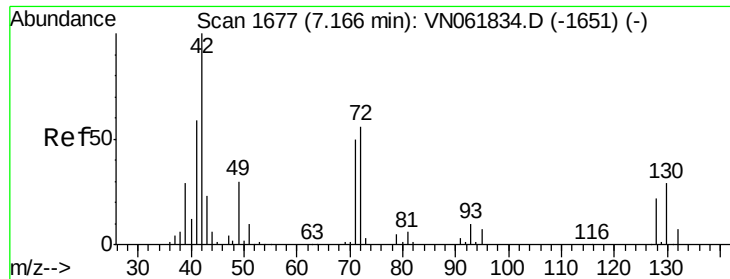


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

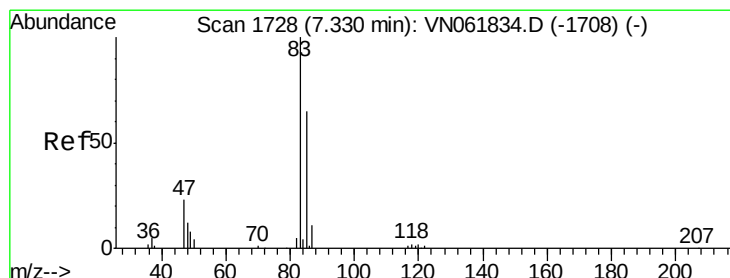
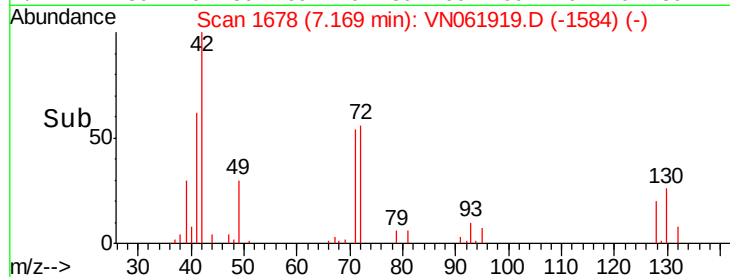
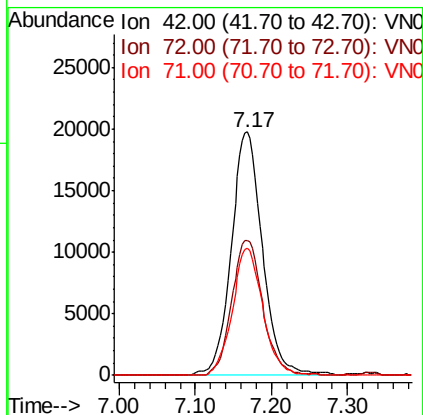
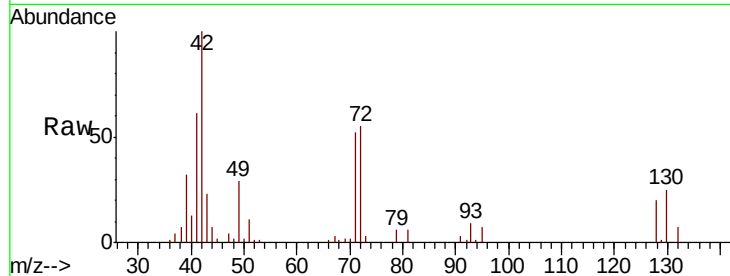




#29
Tetrahydrofuran
Concen: 99.351 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

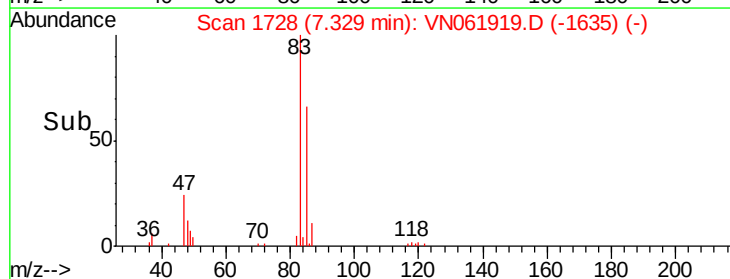
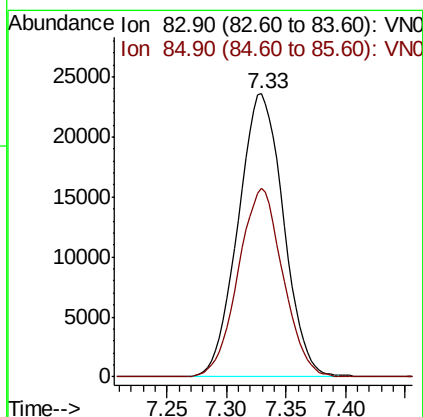
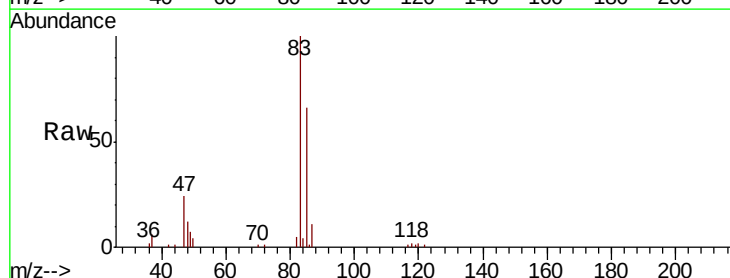
Instrument :
MSVOA_N
ClientSampled :
VN0618WBS02

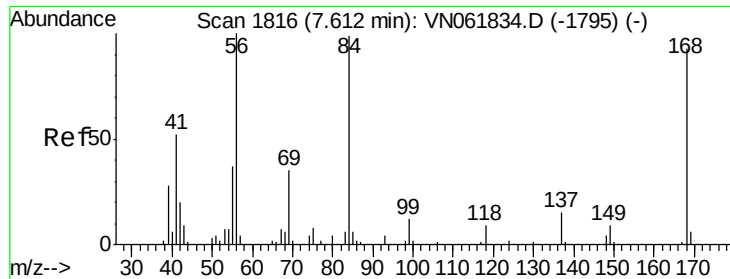
Tot Ion	Ratio	Lower	Upper
42	100		
72	55.1	44.0	66.0
71	50.7	40.0	60.0



#30
Chloroform
Concen: 19.406 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.0	78.0

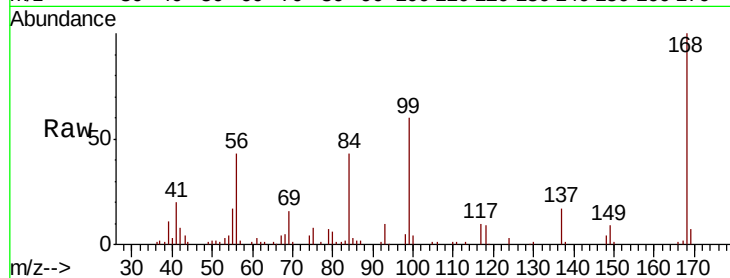




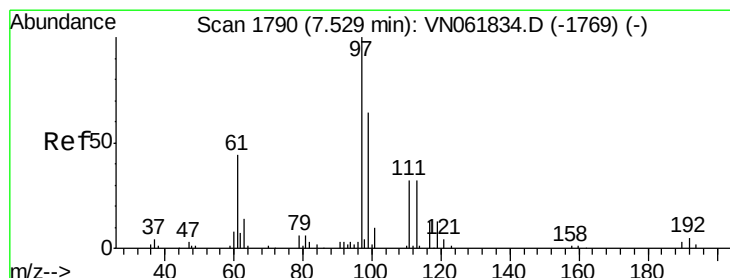
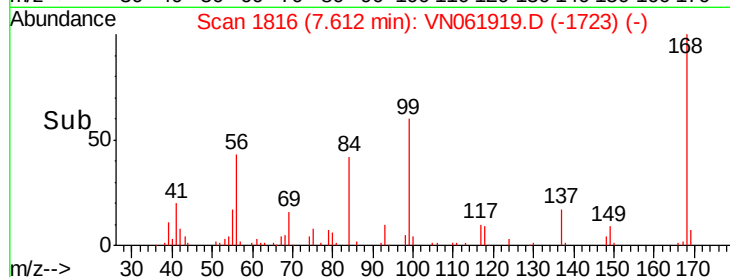
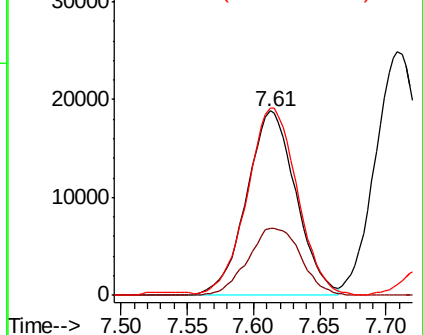
#31
Cyclohexane
Concen: 18.624 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion: 56 Resp: 48974
Ion Ratio Lower Upper
56 100
69 36.6 27.7 41.5
84 100.2 79.1 118.7

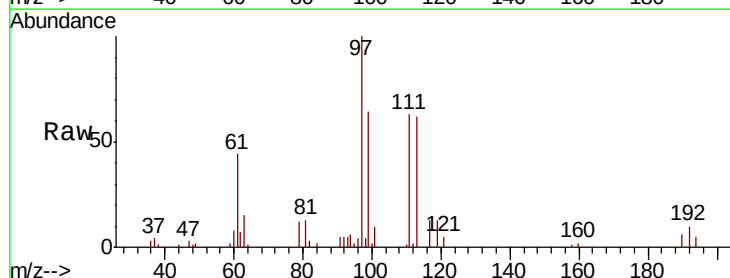


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

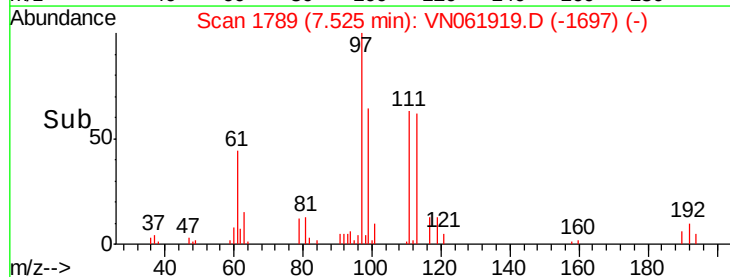
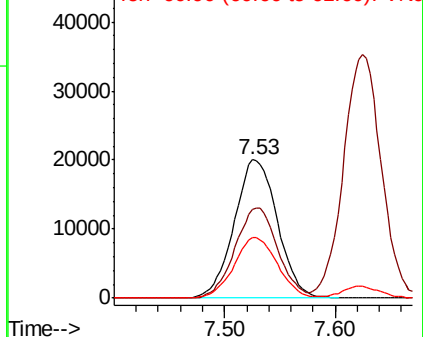


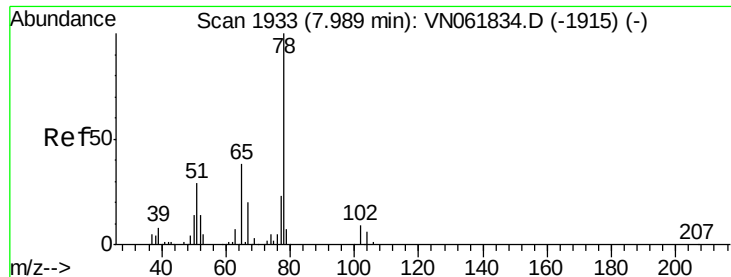
#32
1,1,1-Trichloroethane
Concen: 19.927 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion: 97 Resp: 54479
Ion Ratio Lower Upper
97 100
99 64.3 51.5 77.3
61 44.2 35.1 52.7



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

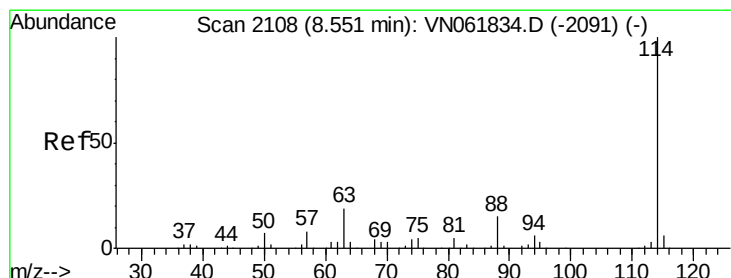
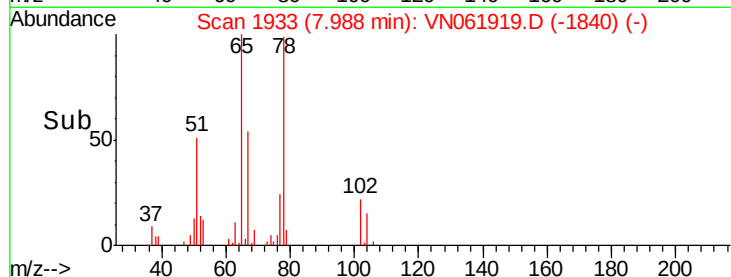
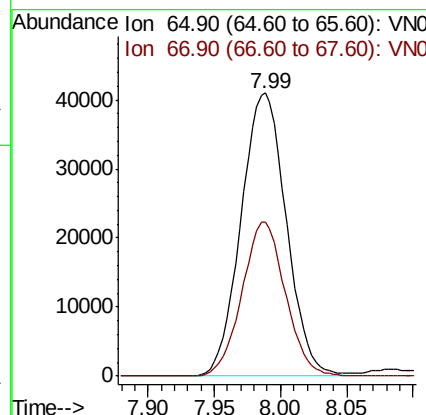
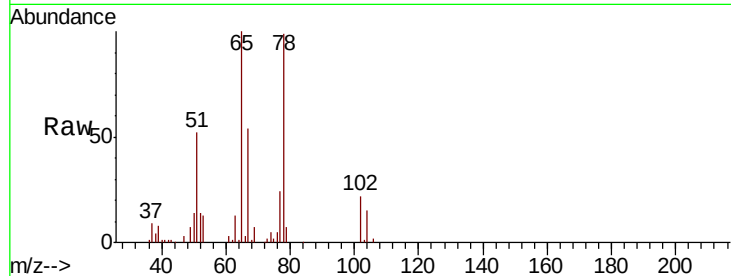




#33
 1,2-Dichloroethane-d4
 Concen: 48.718 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

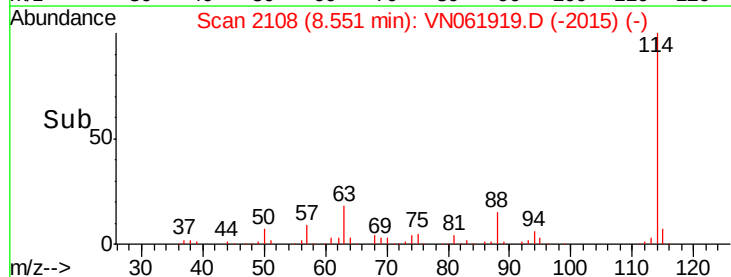
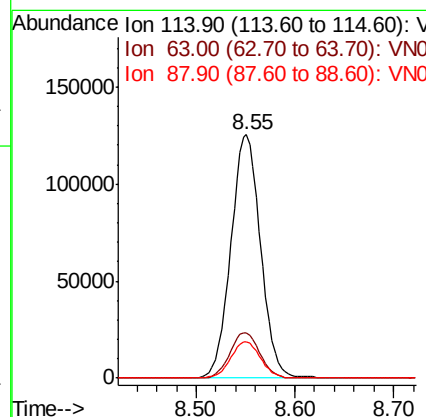
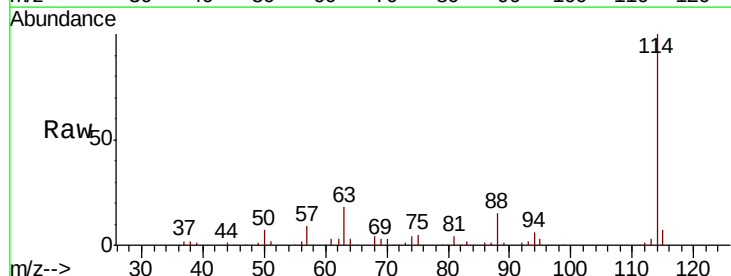
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

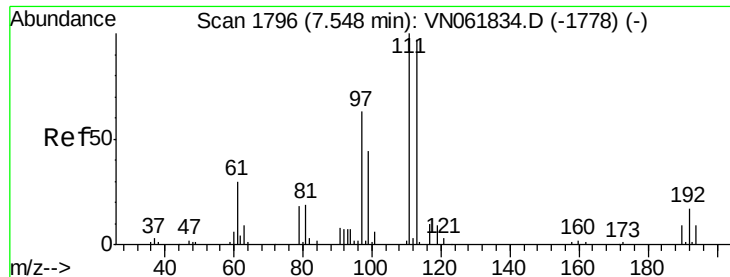
Tot Ion: 65 Resp: 97212
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion: 114 Resp: 263577
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 37.6
 88 15.0 0.0 31.0

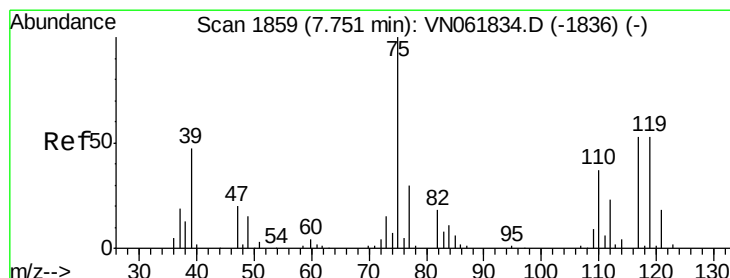
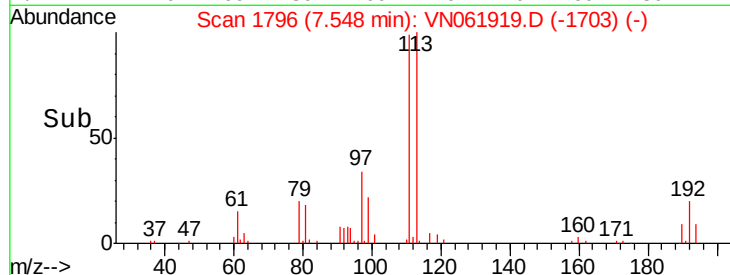
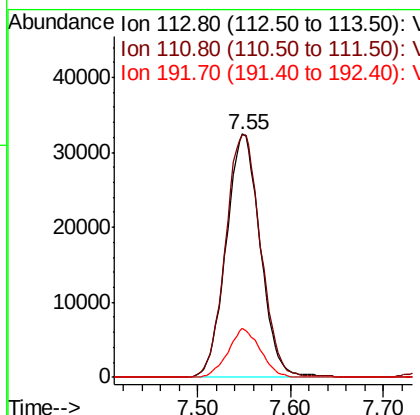
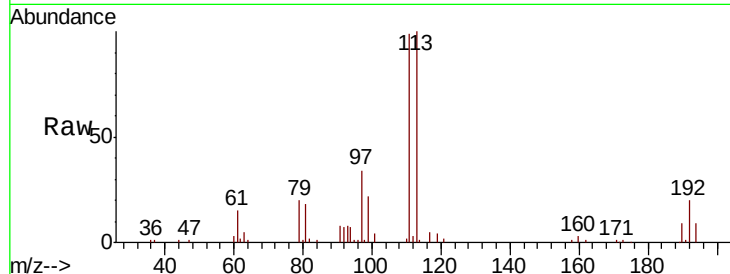




#35
 Dibromofluoromethane
 Concen: 49.087 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

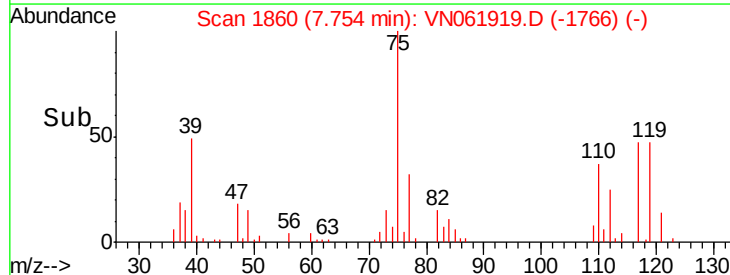
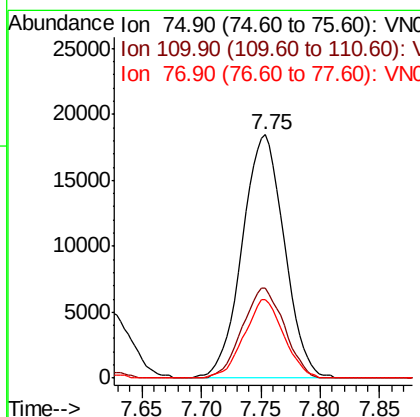
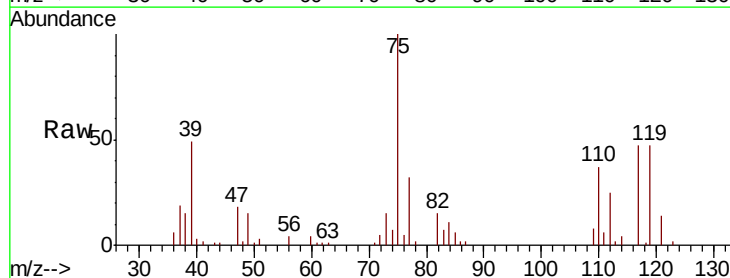
Instrument :
 MSVOA_N
 ClientSampled :
 VN0618WBS02

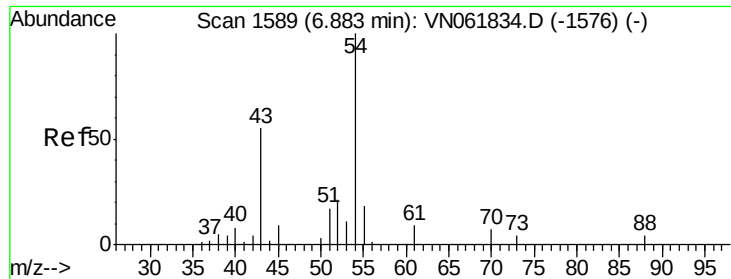
Tot Ion:113 Resp: 82772
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.7 125.5
 192 18.9 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 18.852 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion: 75 Resp: 45323
 Ion Ratio Lower Upper
 75 100
 110 36.6 18.2 54.6
 77 30.5 24.2 36.4

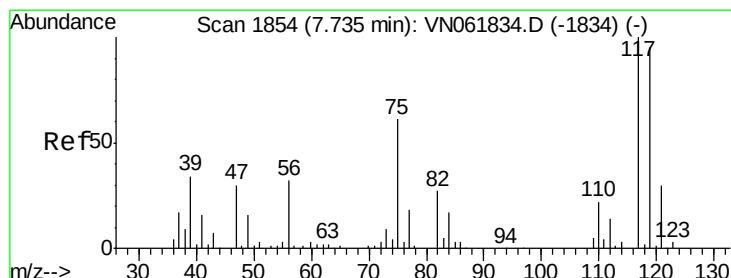
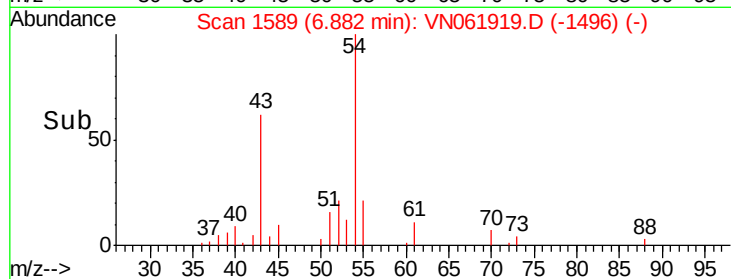
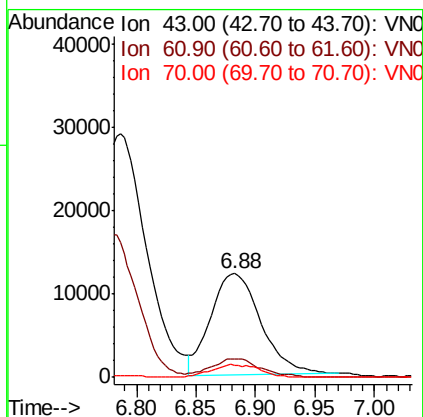
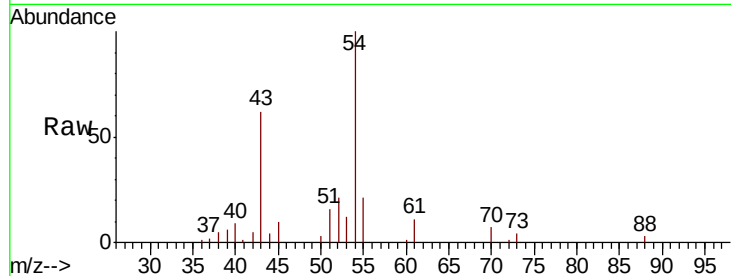




#37
Ethyl Acetate
Concen: 19.097 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

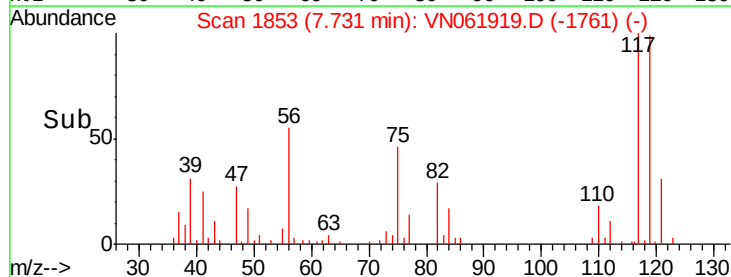
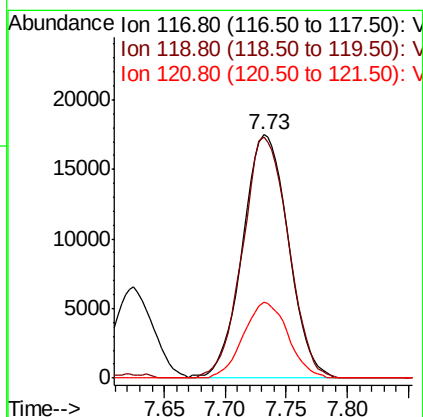
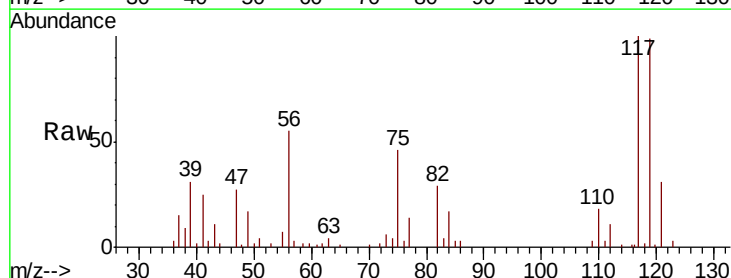
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

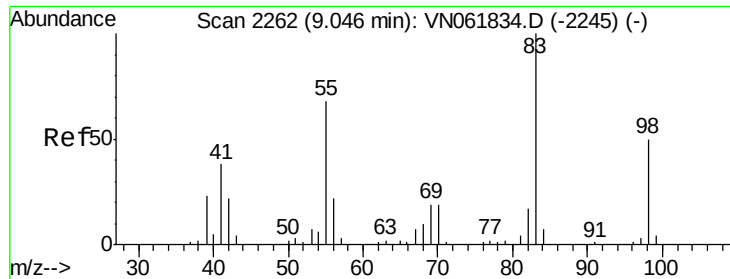
Tot Ion: 43 Resp: 35853
Ion Ratio Lower Upper
43 100
61 18.1 13.0 19.4
70 12.0 9.4 14.2



#38
Carbon Tetrachloride
Concen: 19.120 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion: 117 Resp: 45521
Ion Ratio Lower Upper
117 100
119 98.9 75.8 113.6
121 31.0 23.8 35.6

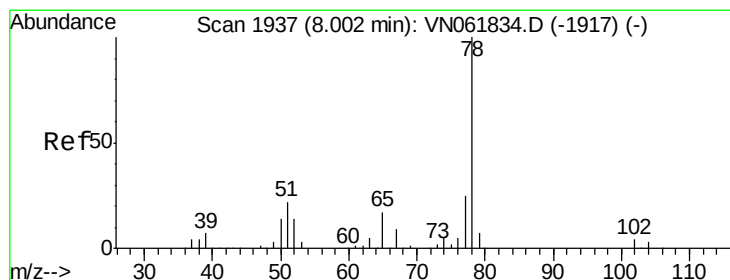
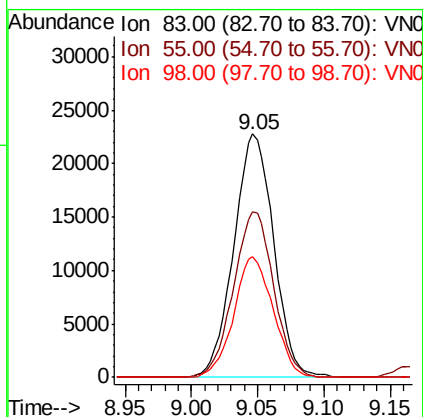
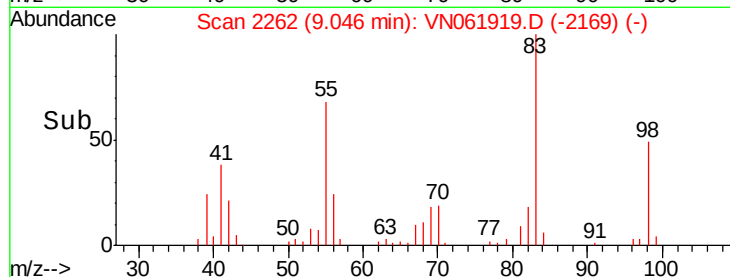
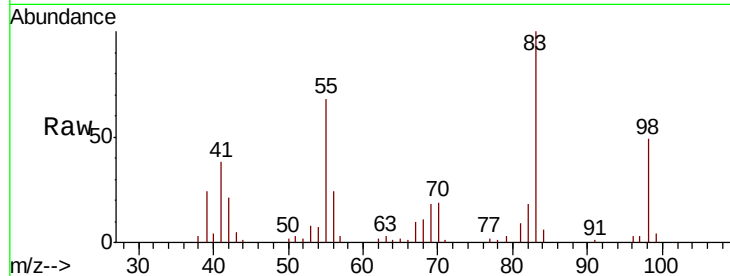




#39
Methylvlcyclohexane
Concen: 18.385 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

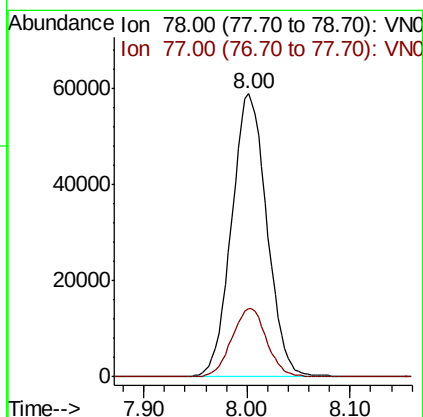
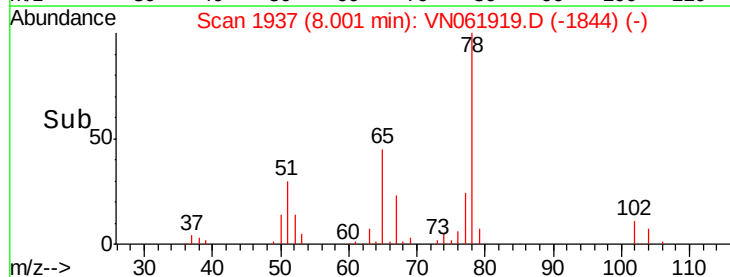
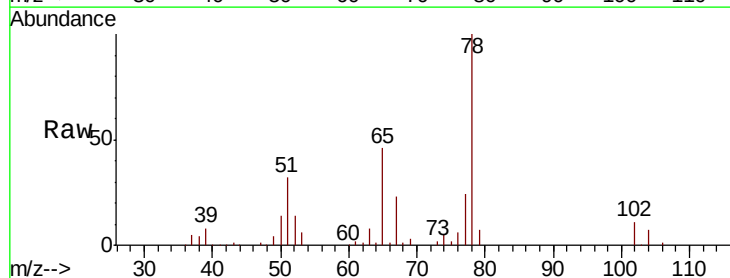
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

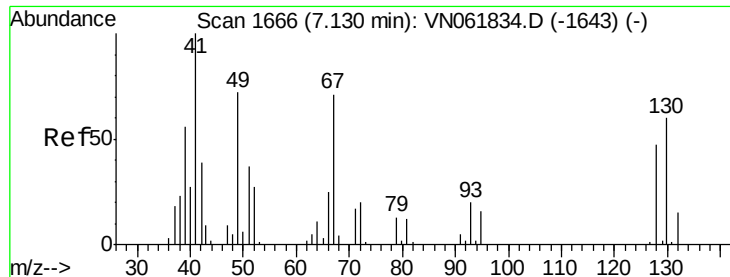
Tot Ion: 83 Resp: 47594
Ion Ratio Lower Upper
83 100
55 67.9 54.2 81.4
98 49.3 39.8 59.6



#40
Benzene
Concen: 19.255 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion: 78 Resp: 140226
Ion Ratio Lower Upper
78 100
77 24.1 19.7 29.5

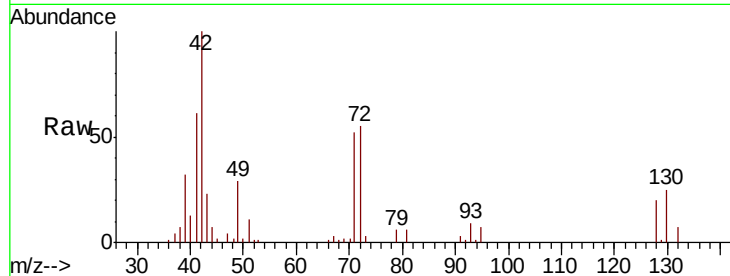




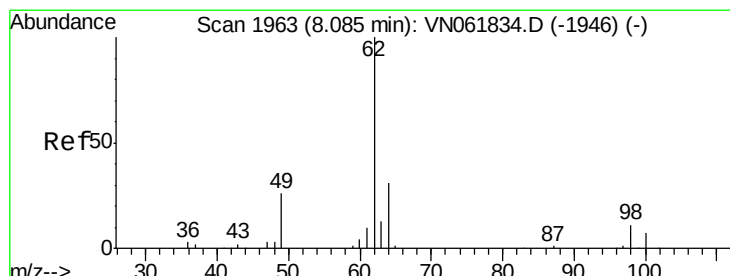
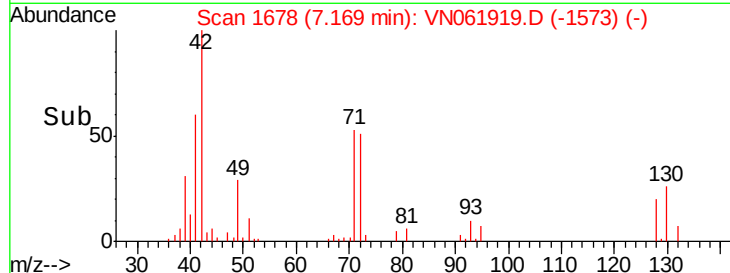
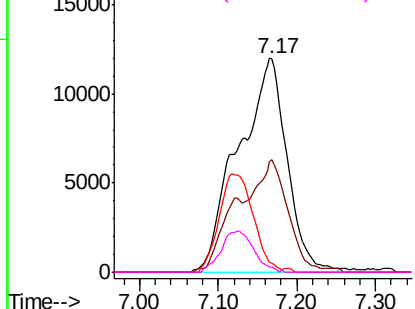
#41
Methacrylonitrile
Concen: 64.562 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.04 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion:	41	Resp:	51830
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

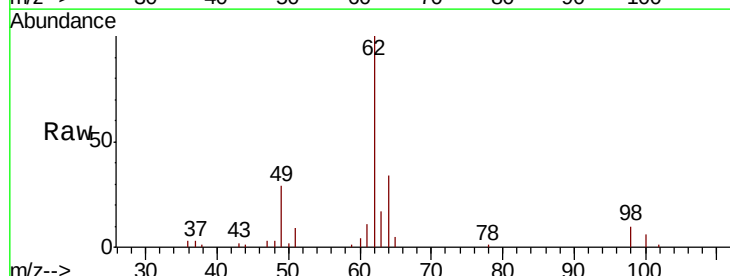


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

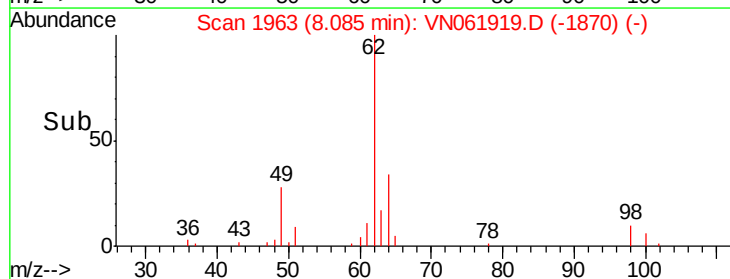
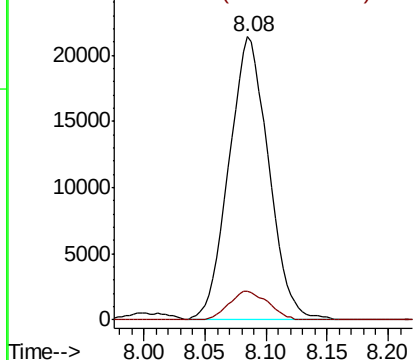


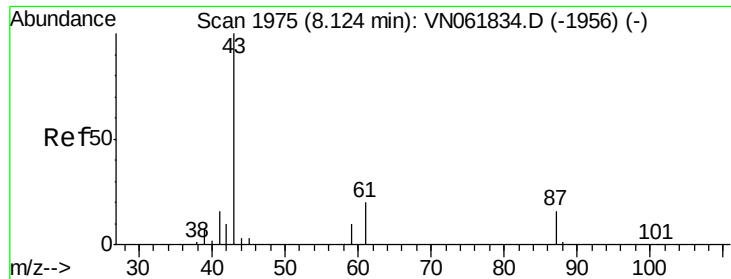
#42
1,2-Dichloroethane
Concen: 19.491 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion:	62	Resp:	48399
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.4



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





#43

Isopropyl Acetate

Concen: 19.100 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

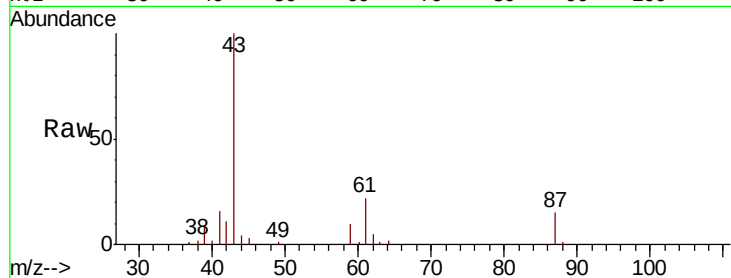
Tot Ion: 43 Resp: 60429

Ion Ratio Lower Upper

43 100

61 22.2 24.0 36.0#

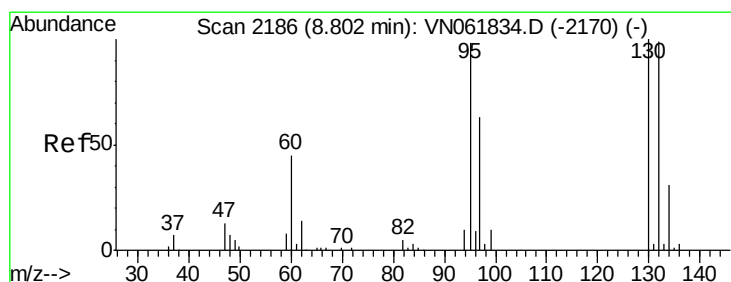
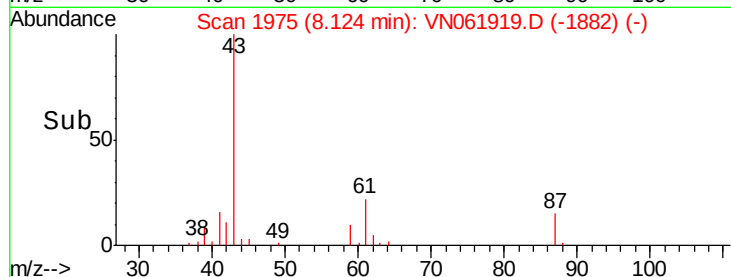
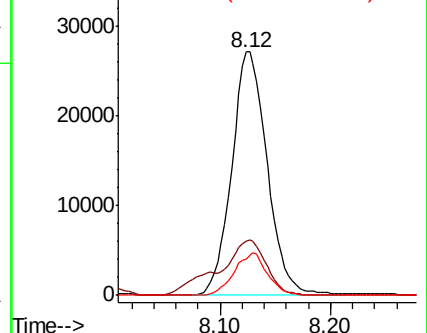
87 16.1 12.5 18.7



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061834.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061834.D (-1956) (-)



#44

Trichloroethene

Concen: 19.378 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061919.D

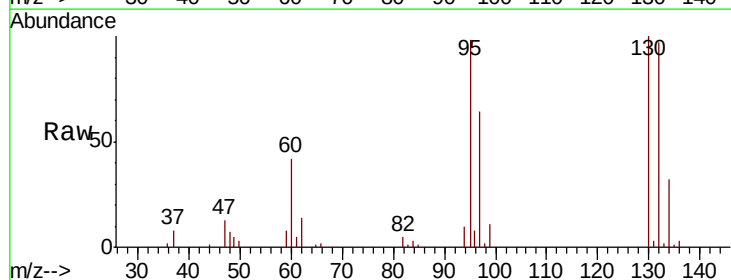
Acq: 19 Jun 2020 00:05

Tgt Ion:130 Resp: 37139

Ion Ratio Lower Upper

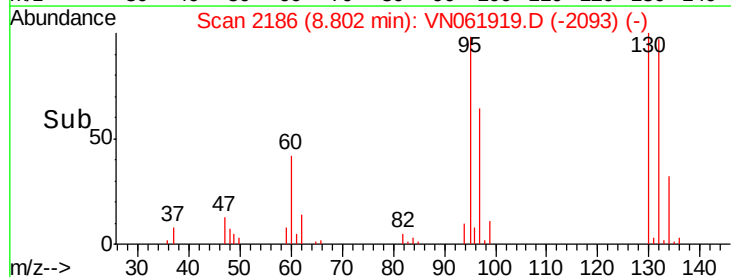
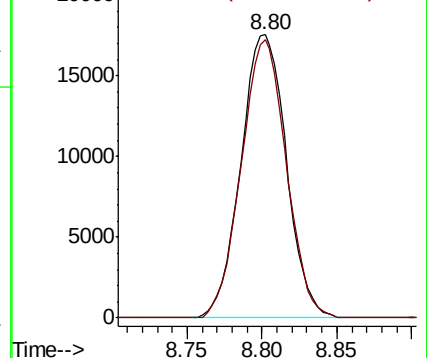
130 100

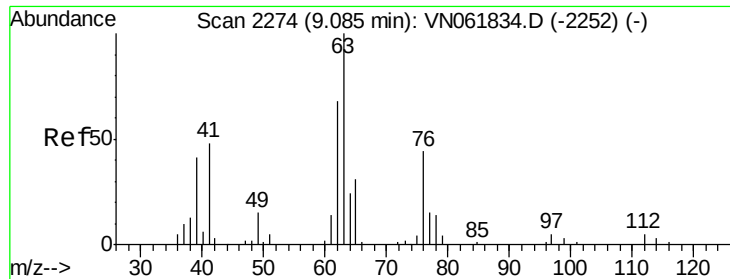
95 98.4 0.0 195.6



Abundance Ion 129.80 (129.50 to 130.50): VN061834.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN061834.D (-2170) (-)

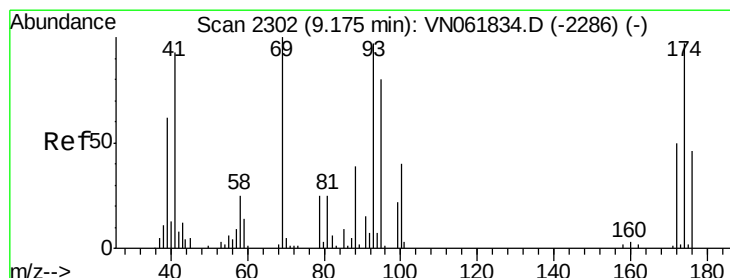
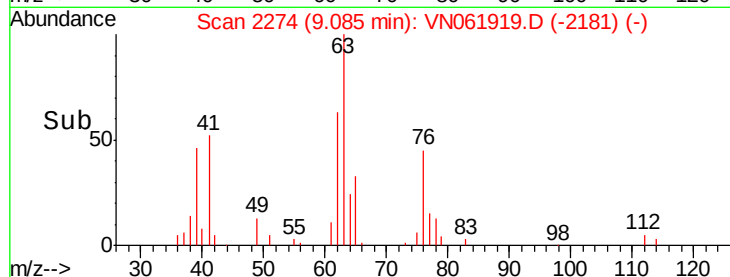
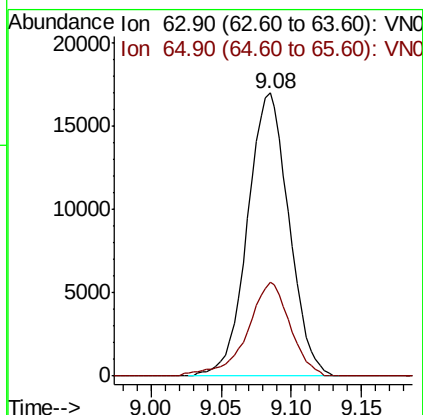
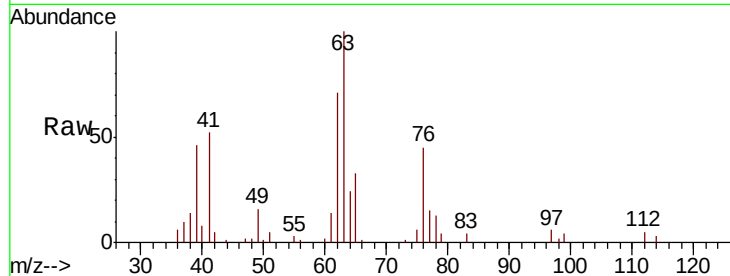




#45
 1,2-Dichloropropane
 Concen: 19.481 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

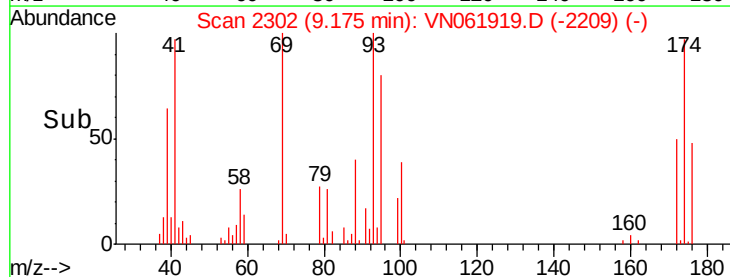
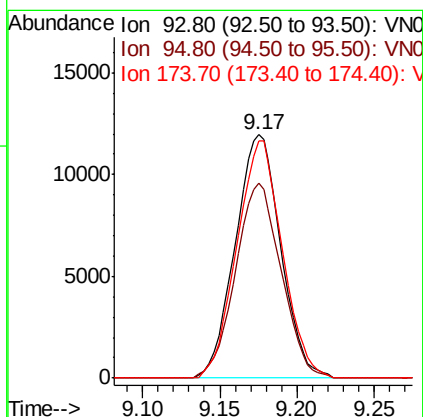
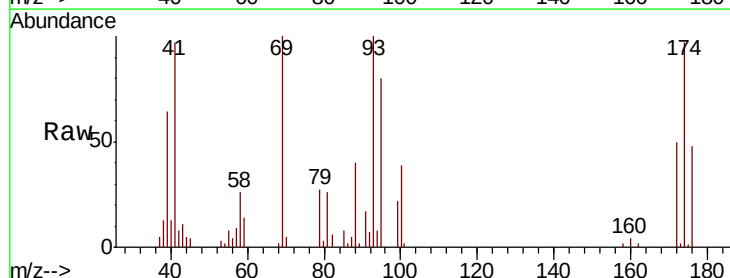
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

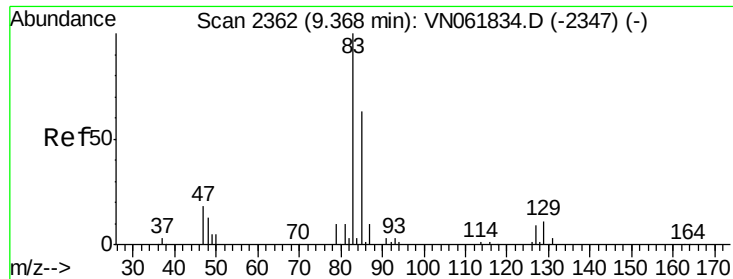
Tot Ion: 63 Resp: 34866
 Ion Ratio Lower Upper
 63 100
 65 33.0 25.1 37.7



#46
 Dibromomethane
 Concen: 19.369 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion: 93 Resp: 24411
 Ion Ratio Lower Upper
 93 100
 95 80.5 65.8 98.6
 174 97.3 78.5 117.7

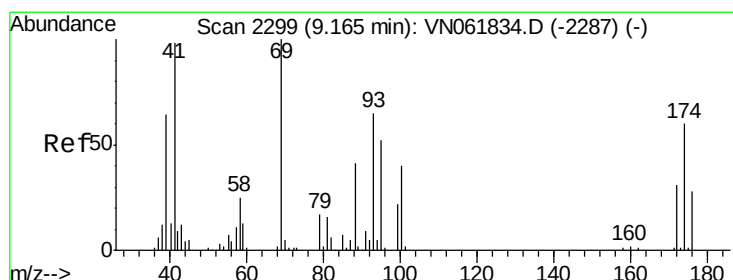
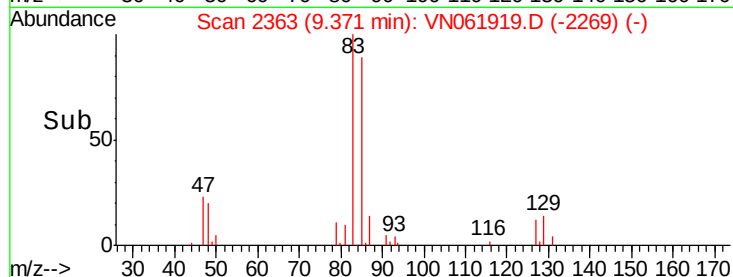
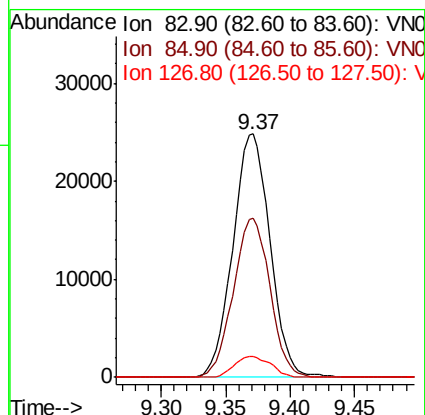
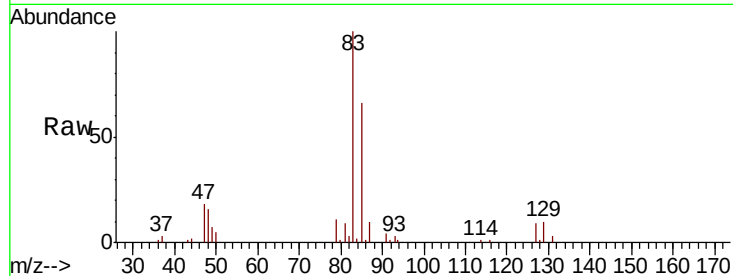




#47
Bromodichloromethane
Concen: 19.309 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

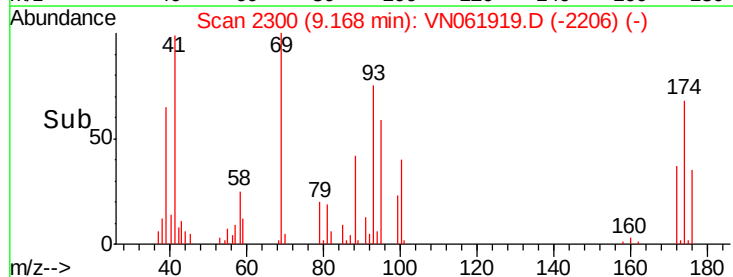
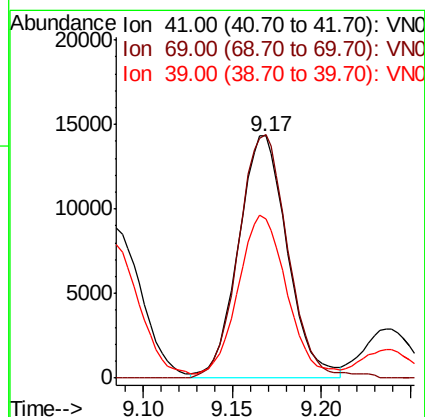
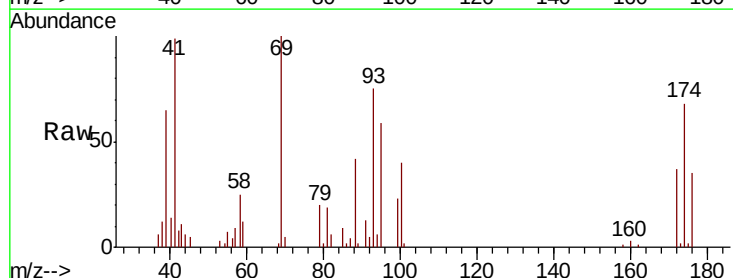
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

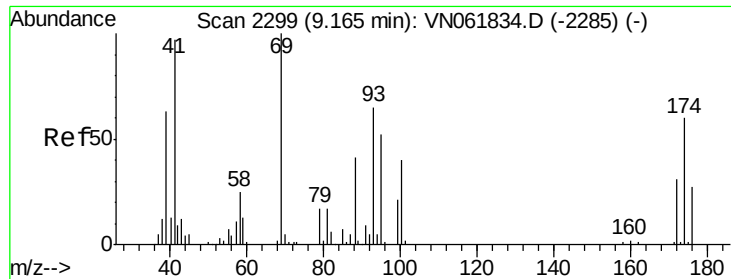
Tot Ion: 83 Resp: 49830
Ion Ratio Lower Upper
83 100
85 65.6 50.8 76.2
127 8.8 7.0 10.4



#48
Methyl methacrylate
Concen: 19.108 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion: 41 Resp: 27493
Ion Ratio Lower Upper
41 100
69 101.1 83.0 124.4
39 67.6 55.1 82.7





#49

1,4-Dioxane

Concen: 378.954 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

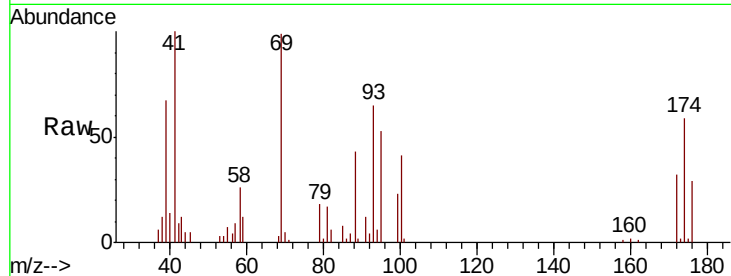
Tot Ion: 88 Resp: 12518

Ion Ratio Lower Upper

88 100

43 28.6 23.4 35.2

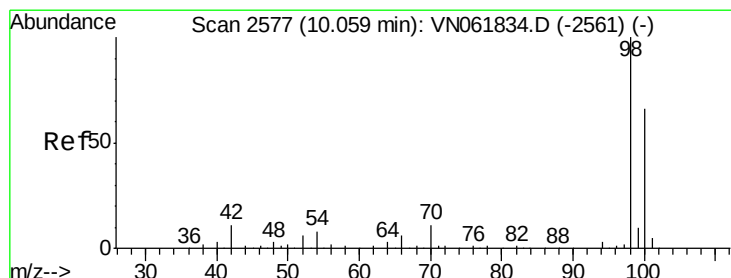
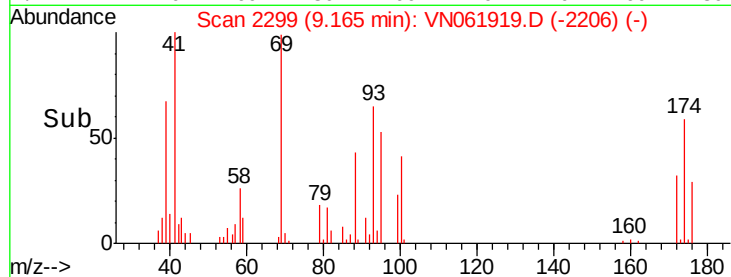
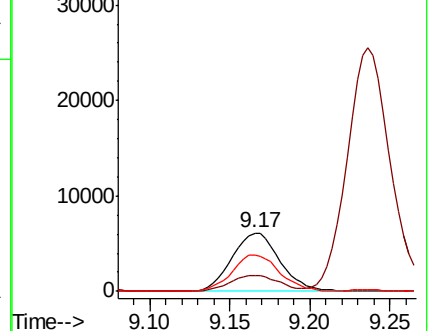
58 61.3 49.8 74.6



Abundance Ion 88.00 (87.70 to 88.70): VN061834.D (-2285) (-)

Ion 43.00 (42.70 to 43.70): VN061834.D (-2285) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2285) (-)



#50

Toluene-d8

Concen: 47.636 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061919.D

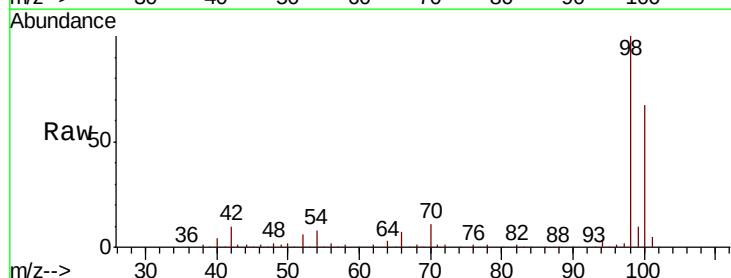
Acq: 19 Jun 2020 00:05

Tgt Ion: 98 Resp: 315794

Ion Ratio Lower Upper

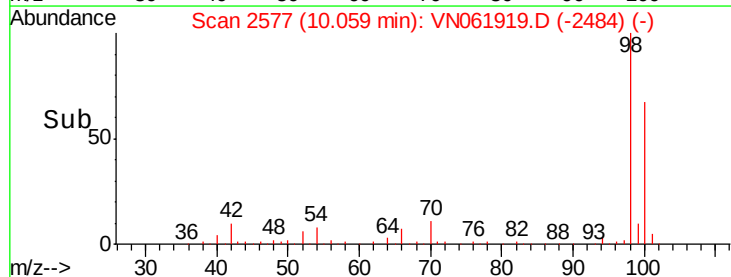
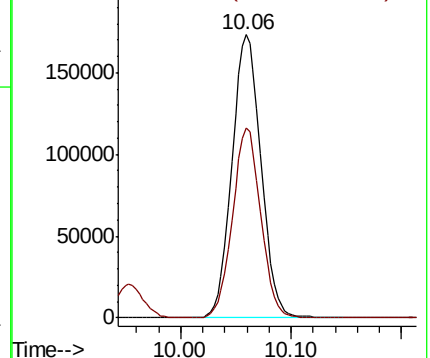
98 100

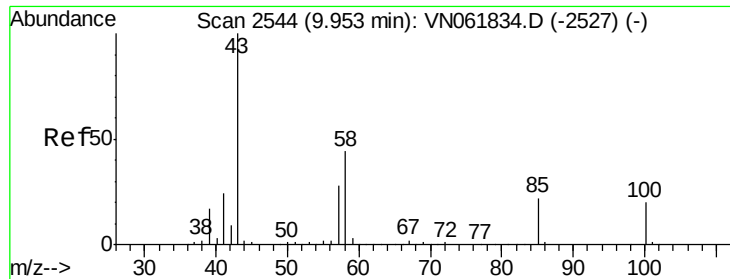
100 65.6 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)





#51

4-Methyl-2-Pentanone

Concen: 96.117 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampled :

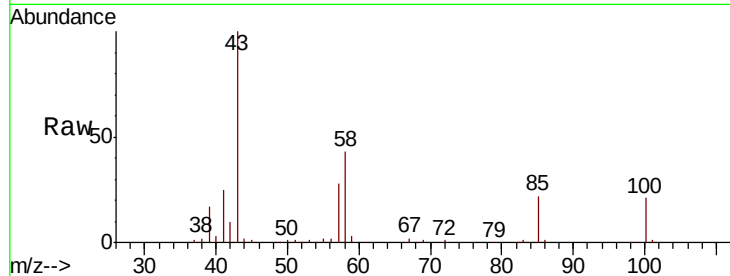
VN0618WBS02

Tot Ion: 43 Resp: 179701

Ion Ratio Lower Upper

43 100

58 43.3 34.6 52.0



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

9.95

100000

80000

60000

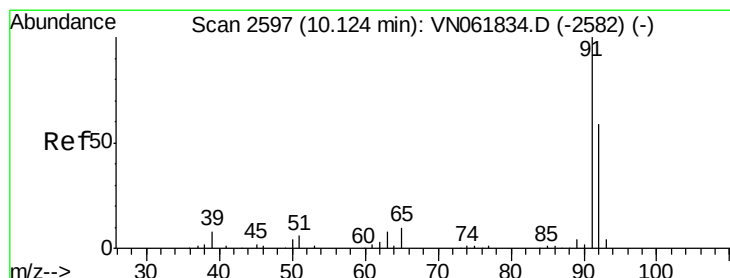
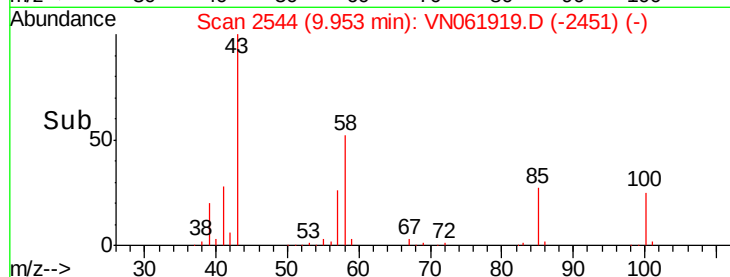
40000

20000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 19.761 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061919.D

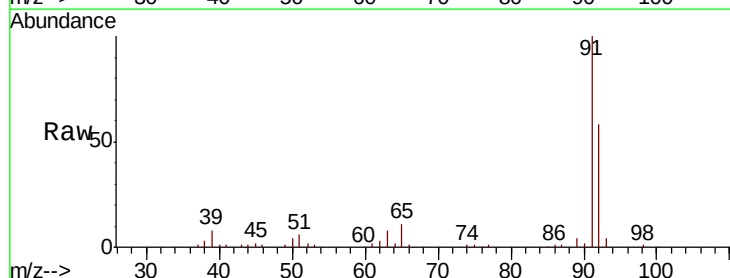
Acq: 19 Jun 2020 00:05

Tgt Ion: 92 Resp: 90382

Ion Ratio Lower Upper

92 100

91 172.9 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VN061834.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN061834.D (-2582) (-)

10.12

100000

80000

60000

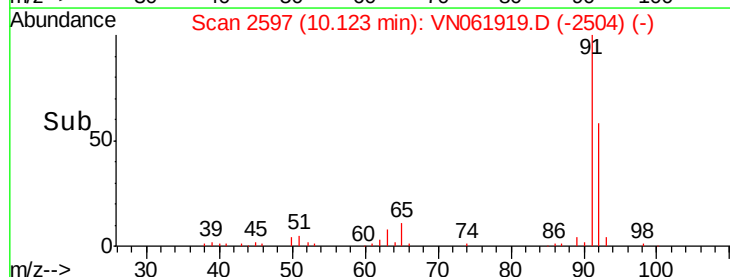
40000

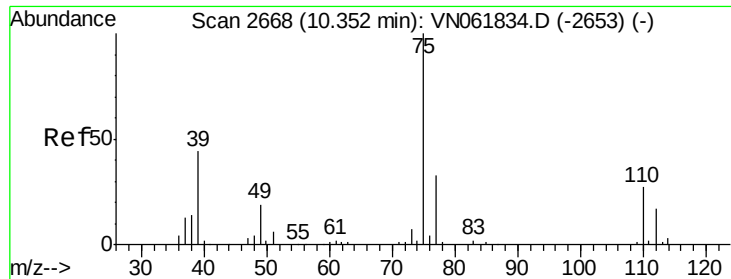
20000

0

10.10 10.12 10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.154 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampled :

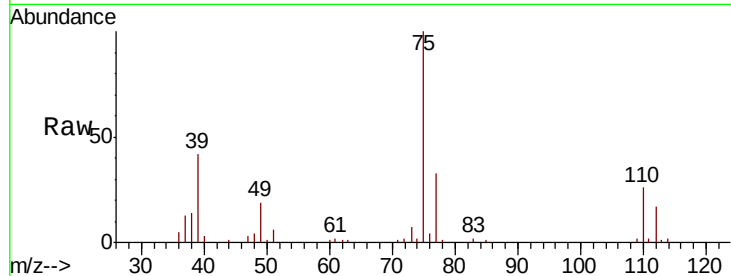
VN0618WBS02

Tot Ion: 75 Resp: 49734

Ion Ratio Lower Upper

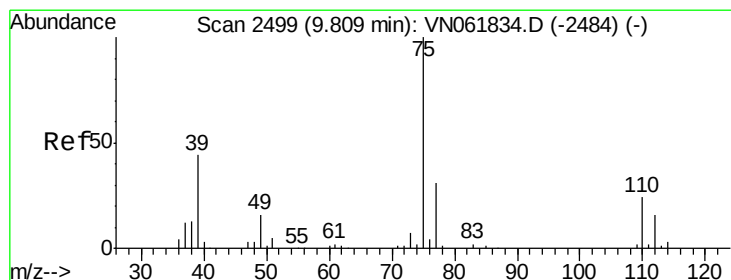
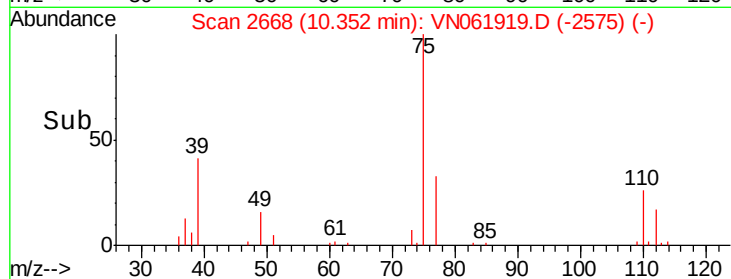
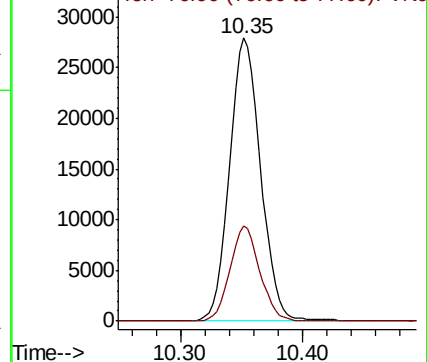
75 100

77 33.5 26.3 39.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.977 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

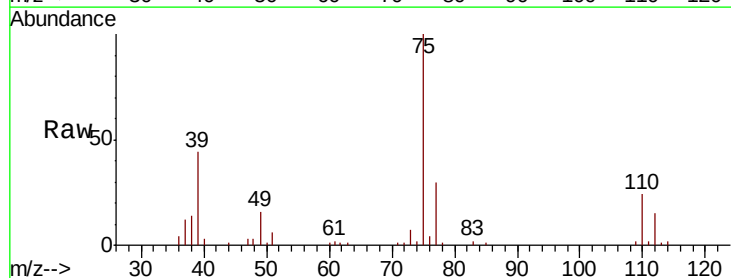
Tgt Ion: 75 Resp: 56469

Ion Ratio Lower Upper

75 100

77 30.4 24.8 37.2

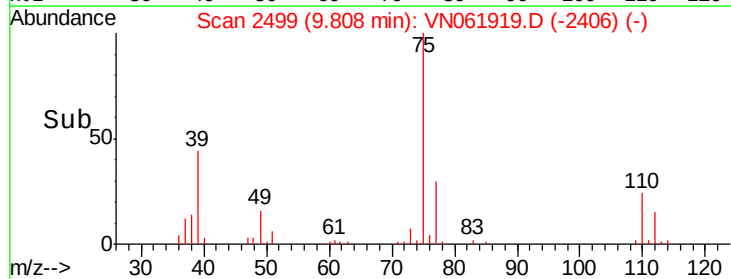
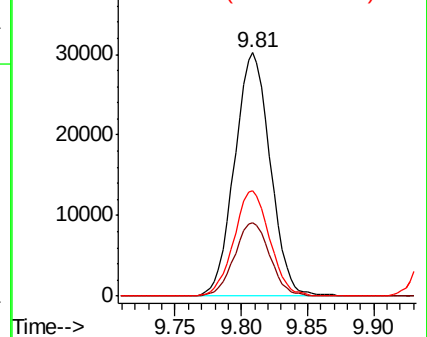
39 43.5 35.4 53.0

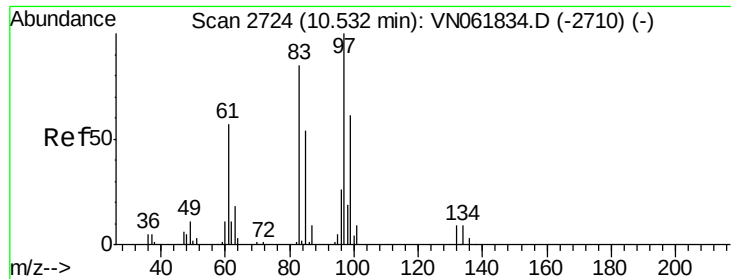


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.279 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

Tot Ion: 97 Resp: 36493

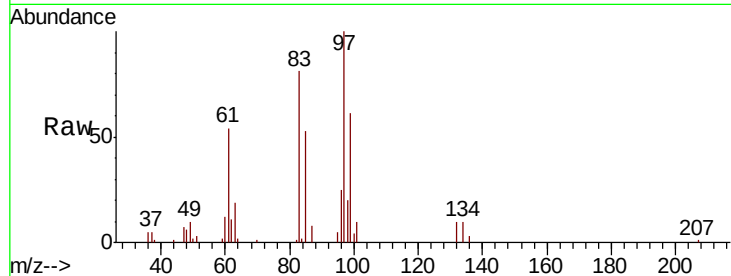
Ion Ratio Lower Upper

97 100

83 81.0 67.7 101.5

85 53.4 43.4 65.0

99 60.8 48.8 73.2



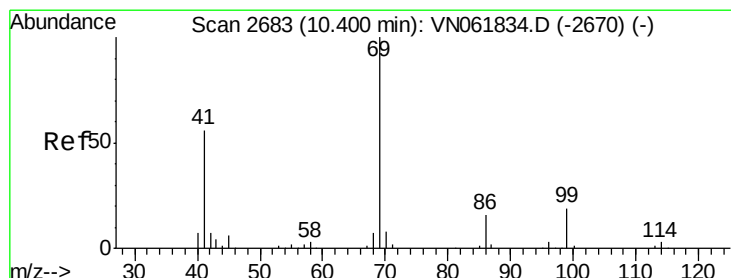
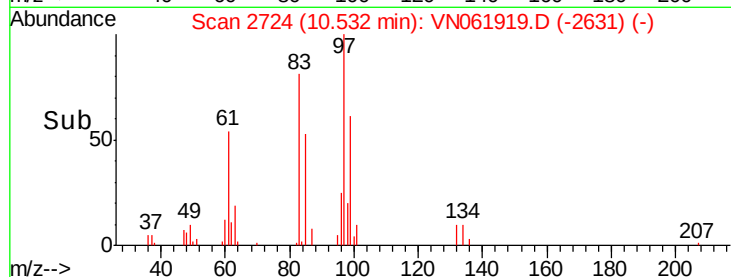
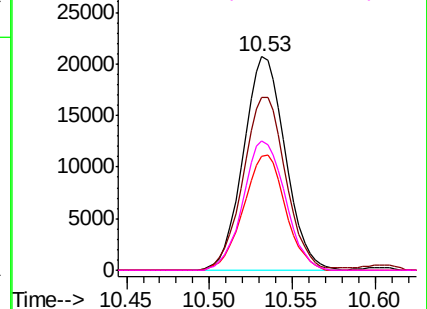
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.179 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

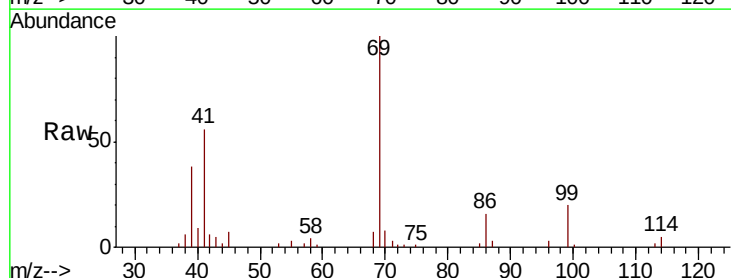
Tgt Ion: 69 Resp: 44578

Ion Ratio Lower Upper

69 100

41 57.8 44.9 67.3

39 38.2 30.0 45.0

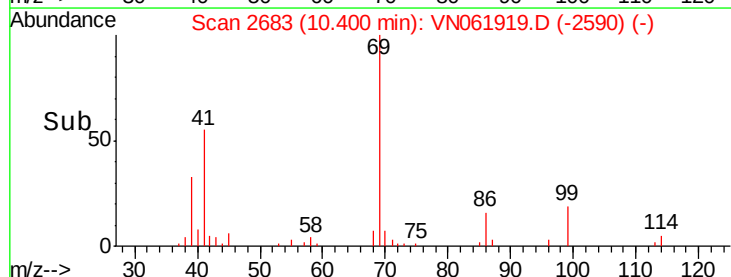
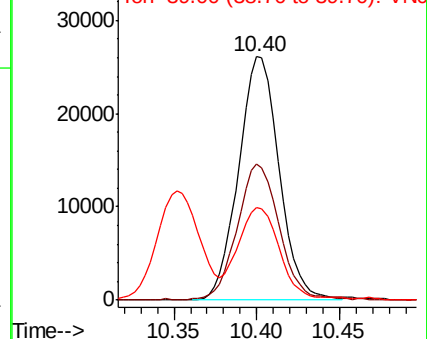


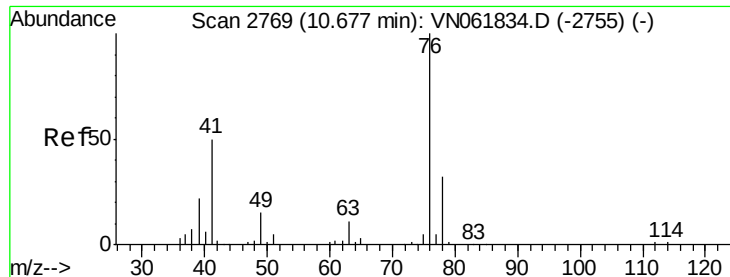
Abundance

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

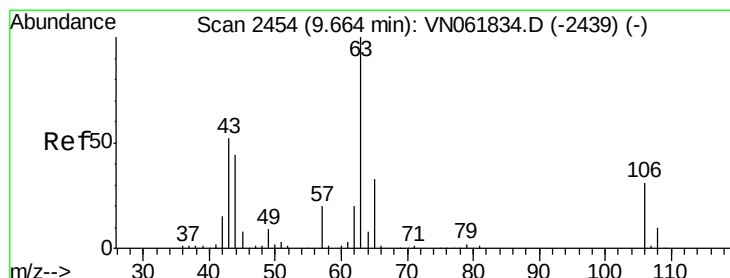
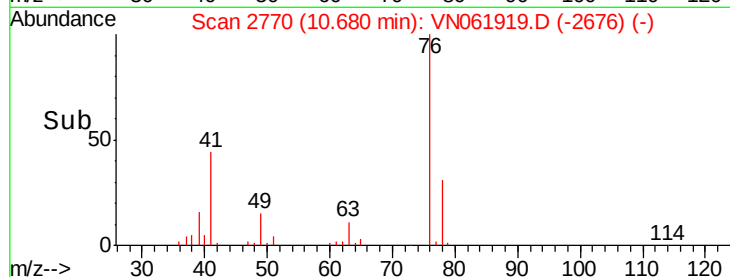
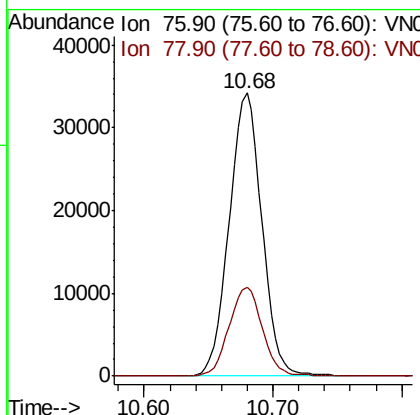
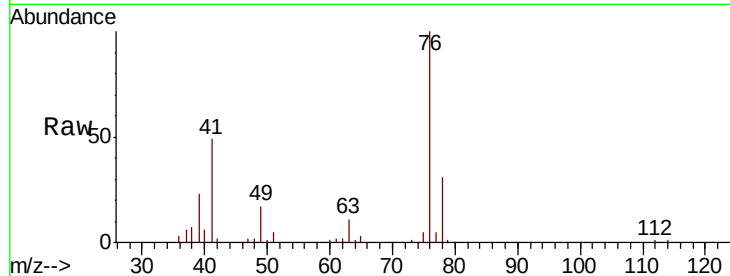




#57
 1,3-Dichloropropane
 Concen: 19.742 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

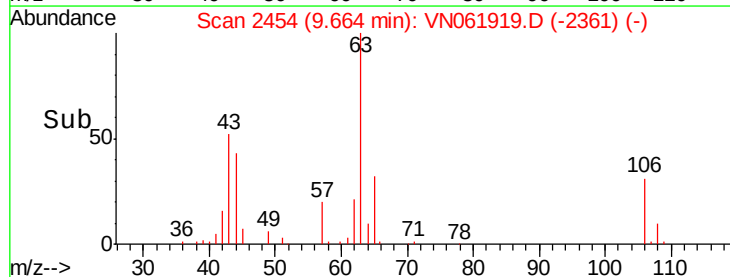
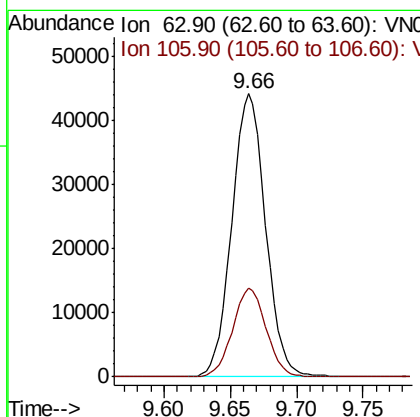
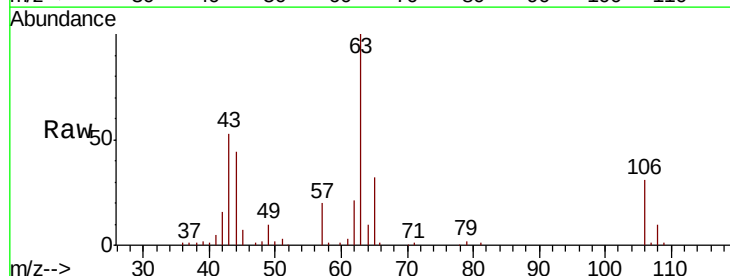
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

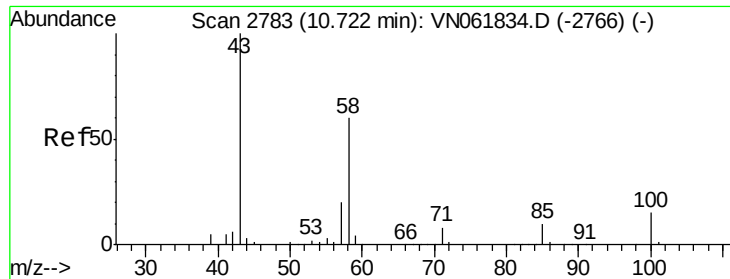
Tot Ion: 76 Resp: 60186
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.091 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion: 63 Resp: 77964
 Ion Ratio Lower Upper
 63 100
 106 31.0 24.6 36.8





#59

2-Hexanone

Concen: 94.704 ug/l

RT: 10.72 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

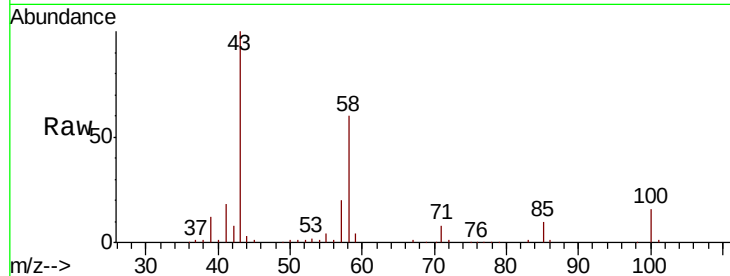
VN0618WBS02

Tot Ion: 43 Resp: 128312

Ion Ratio Lower Upper

43 100

58 59.7 30.1 90.5



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2766) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2766) (-)

10.72

80000

60000

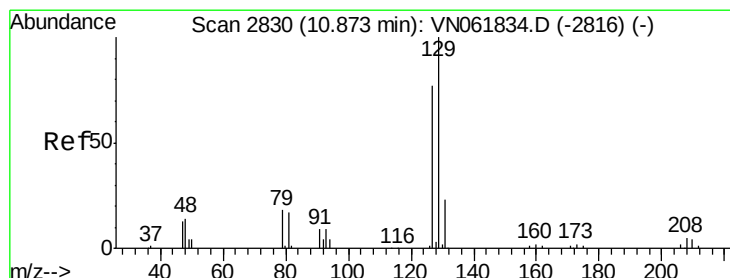
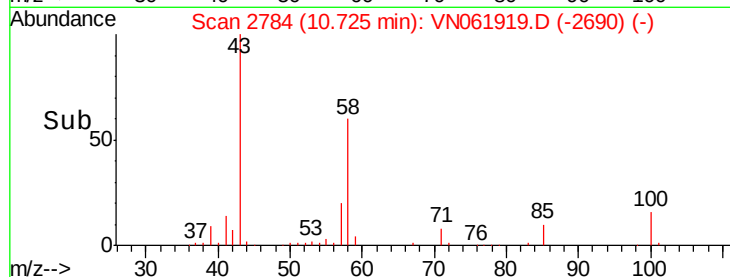
40000

20000

0

10.65 10.70 10.75 10.80

Time-->



#60

Dibromochloromethane

Concen: 19.611 ug/l

RT: 10.88 min Scan# 2831

Delta R.T. 0.00 min

Lab File: VN061919.D

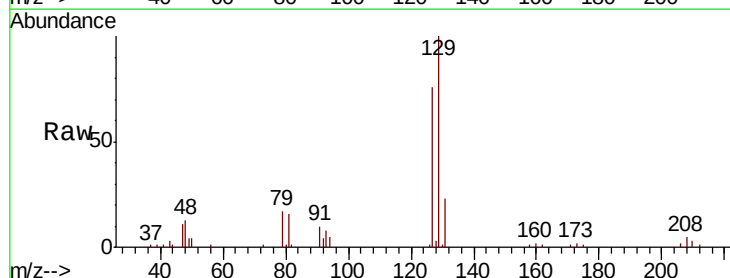
Acq: 19 Jun 2020 00:05

Tgt Ion: 129 Resp: 39378

Ion Ratio Lower Upper

129 100

127 75.4 38.5 115.5



Abundance Ion 128.80 (128.50 to 129.50): VN061834.D (-2816) (-)

Ion 126.80 (126.50 to 127.50): VN061834.D (-2816) (-)

25000

20000

15000

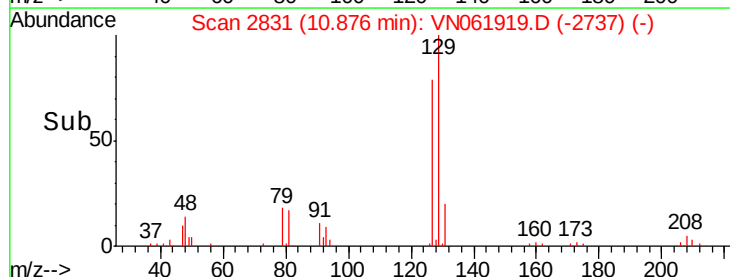
10000

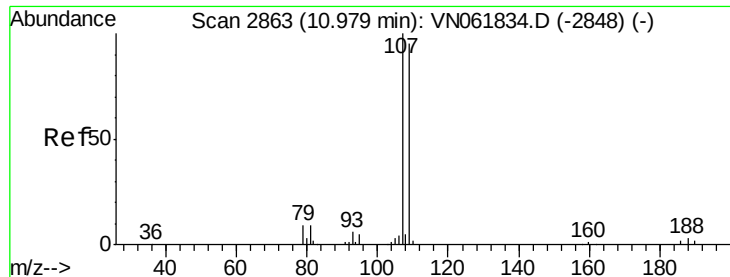
5000

0

10.80 10.85 10.90 10.95

Time-->

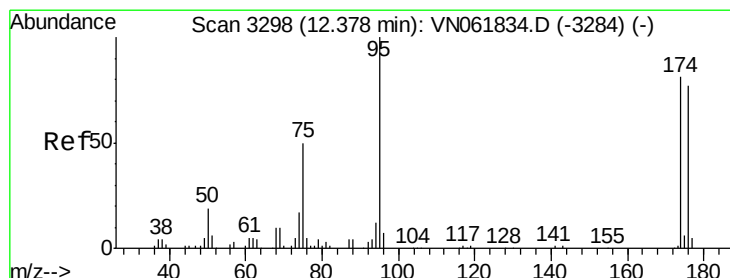
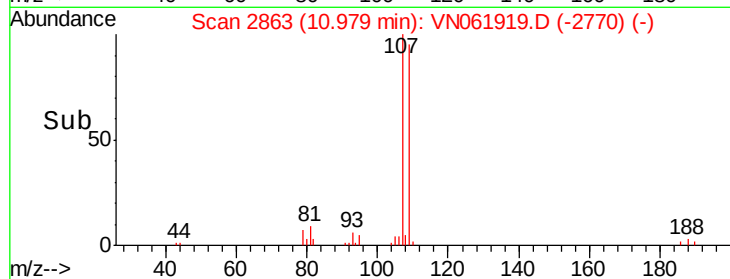
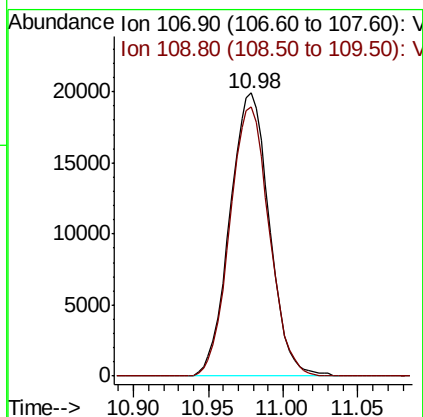
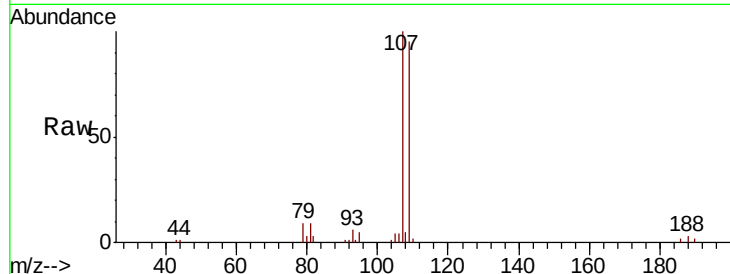




#61
 1,2-Dibromoethane
 Concen: 19.471 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

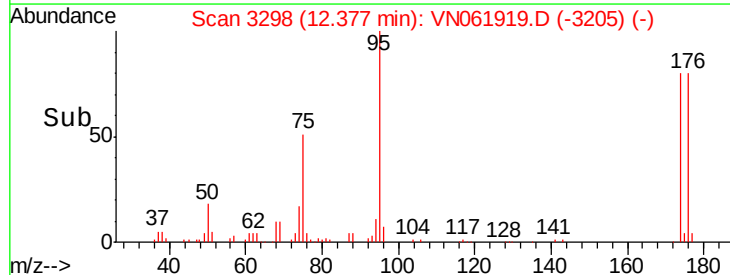
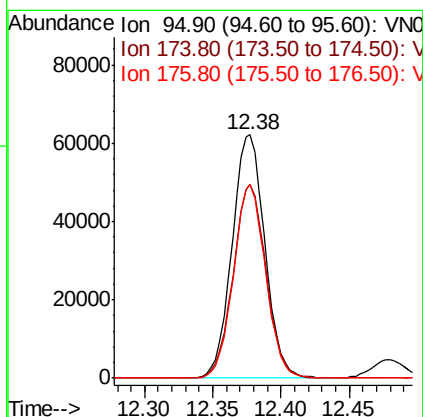
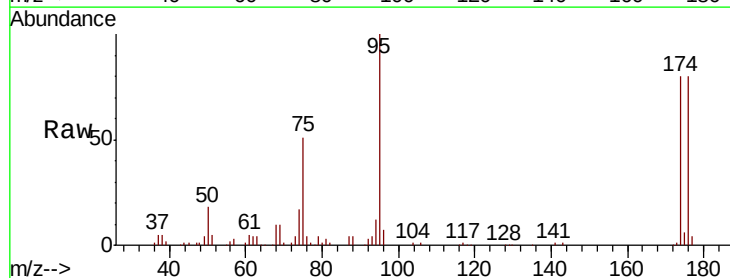
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

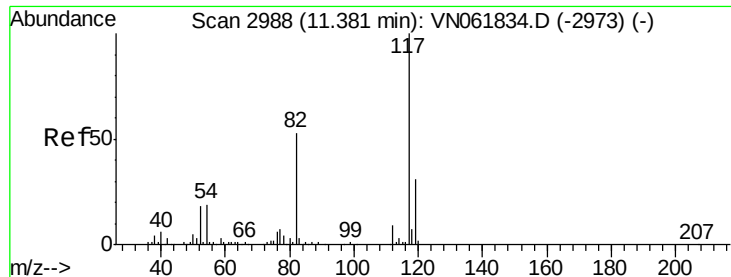
Tot Ion: 107 Resp: 36588
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 45.562 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion: 95 Resp: 103605
 Ion Ratio Lower Upper
 95 100
 174 79.8 0.0 158.6
 176 77.7 0.0 152.0

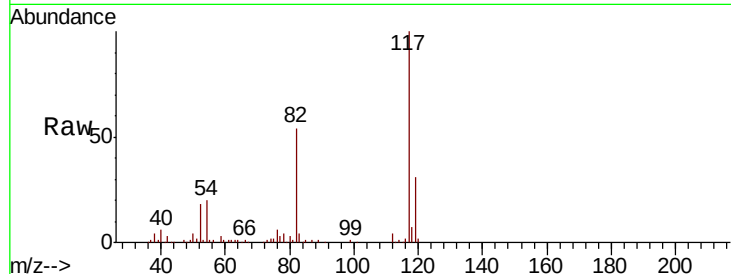




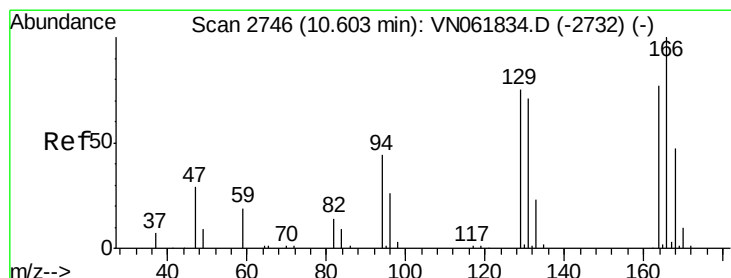
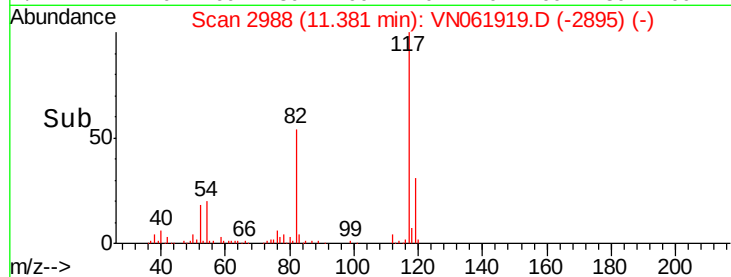
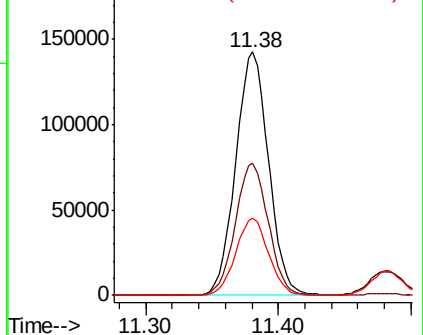
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

Tot Ion:117 Resp: 245602
Ion Ratio Lower Upper
117 100
82 54.1 42.6 64.0
119 31.5 24.7 37.1

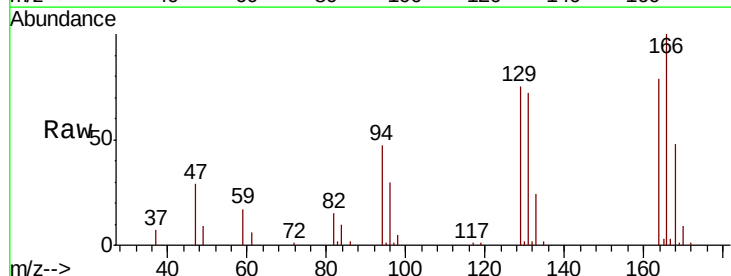


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

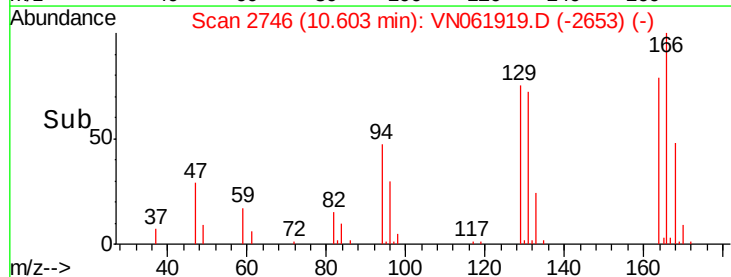
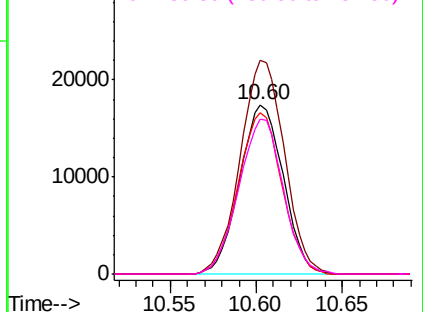


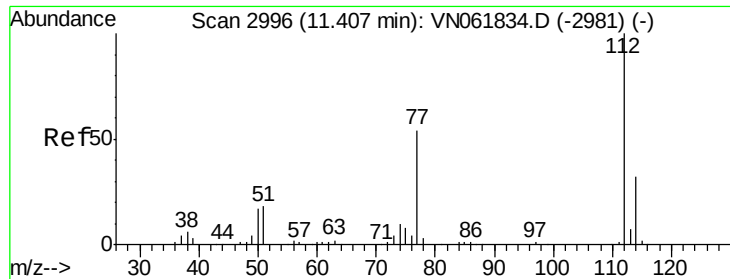
#64
Tetrachloroethene
Concen: 19.648 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion:164 Resp: 30756
Ion Ratio Lower Upper
164 100
166 126.3 103.5 155.3
129 95.1 77.5 116.3
131 91.3 73.8 110.8



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

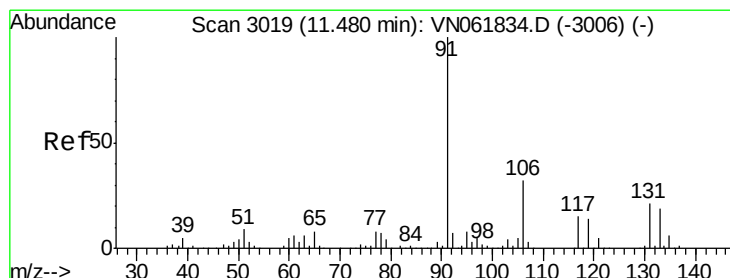
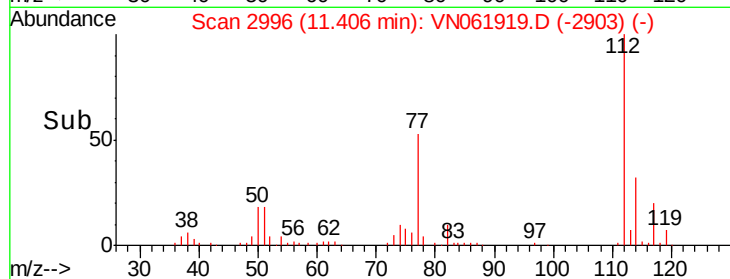
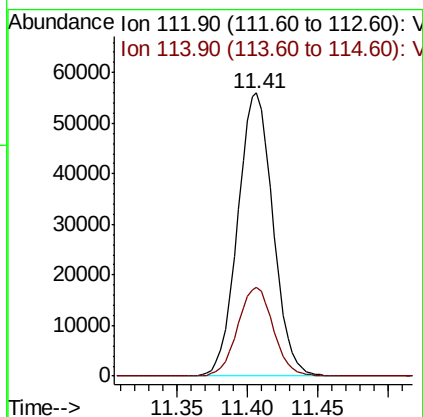
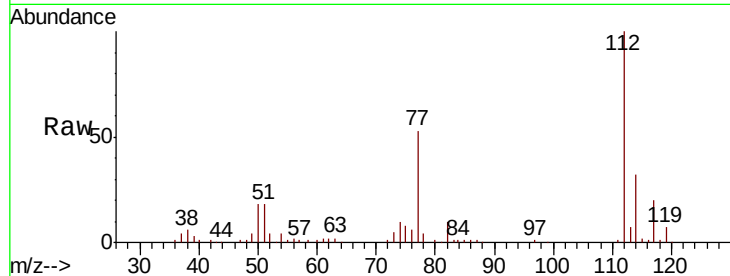




#65
Chlorobenzene
Concen: 18.936 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

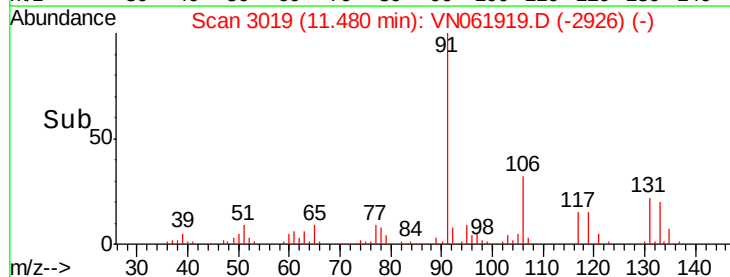
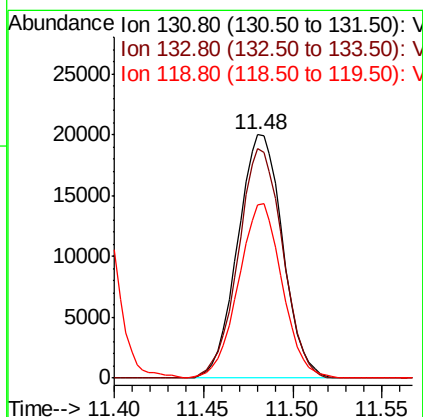
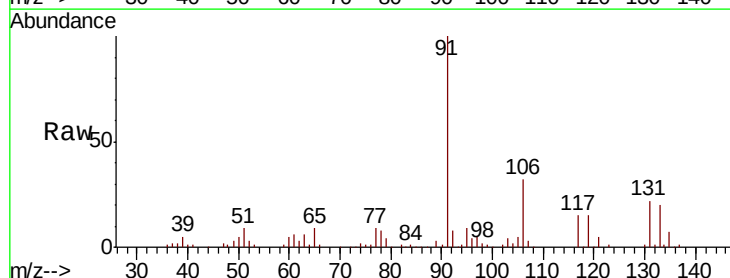
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBS02

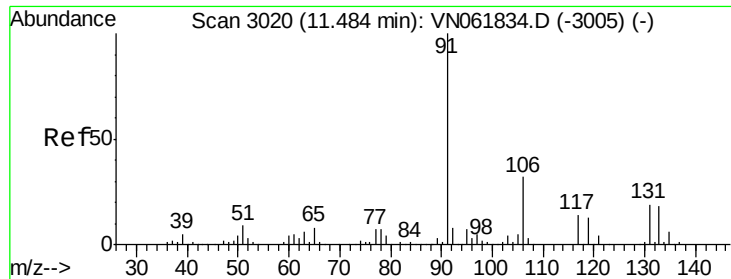
Tot Ion:112 Resp: 98133
Ion Ratio Lower Upper
112 100
114 31.6 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 19.443 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion:131 Resp: 35142
Ion Ratio Lower Upper
131 100
133 93.3 47.5 142.5
119 69.7 34.0 101.8

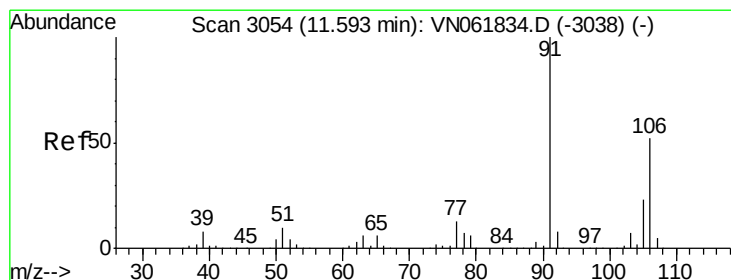
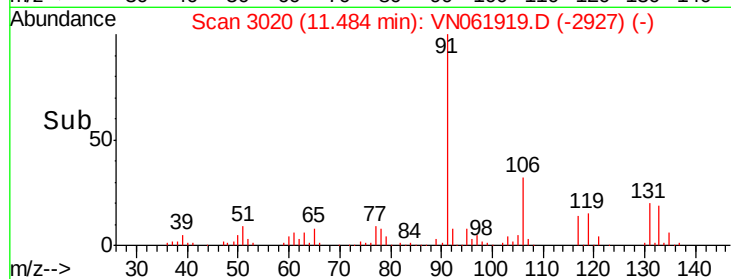
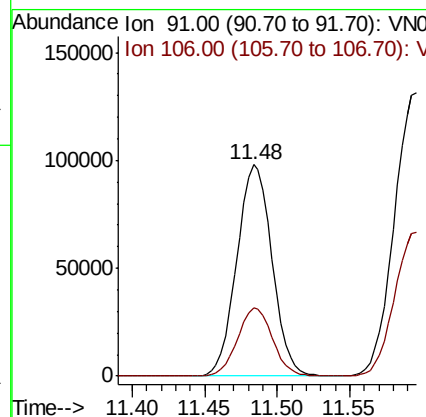
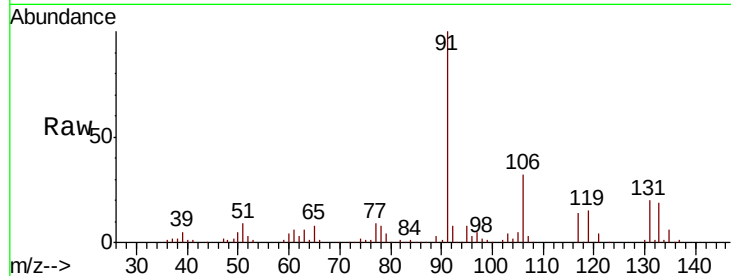




#67
Ethyl Benzene
Concen: 19.026 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

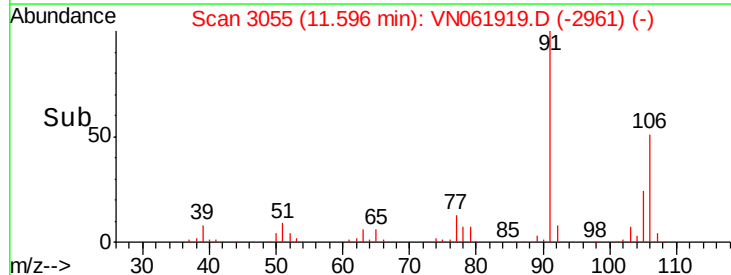
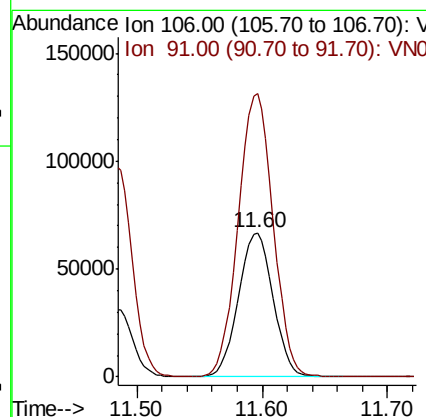
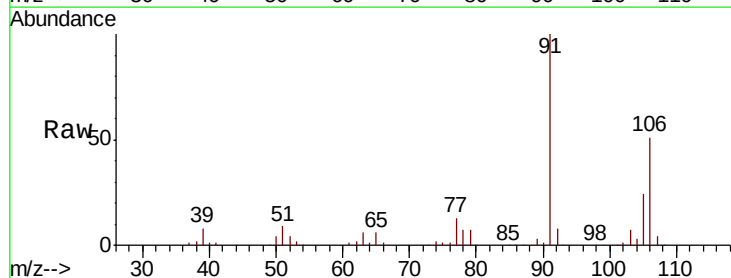
Instrument :
MSVOA_N
ClientSampled :
VN0618WBS02

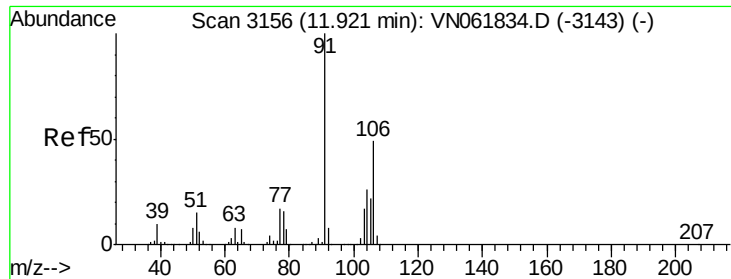
Tot Ion: 91 Resp: 165316
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.2



#68
m/p-Xylenes
Concen: 38.194 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion: 106 Resp: 127968
Ion Ratio Lower Upper
106 100
91 198.6 157.0 235.6

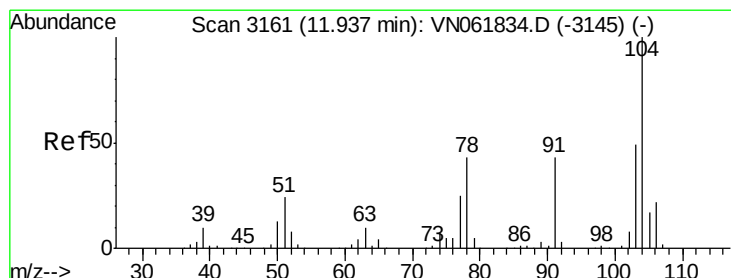
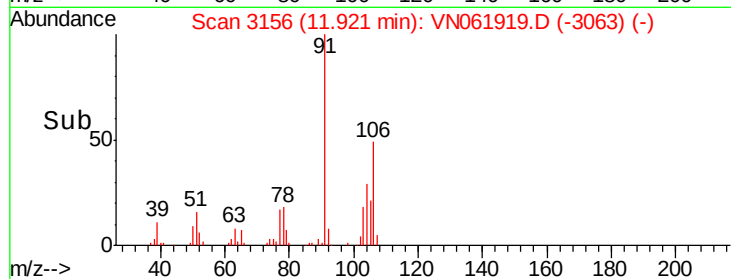
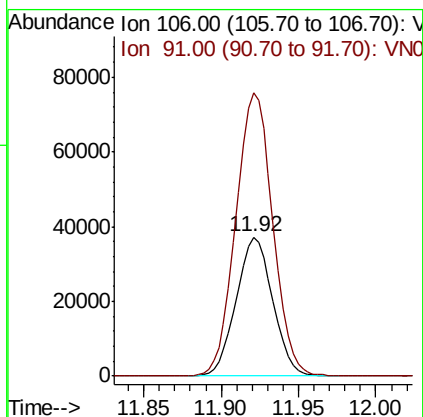
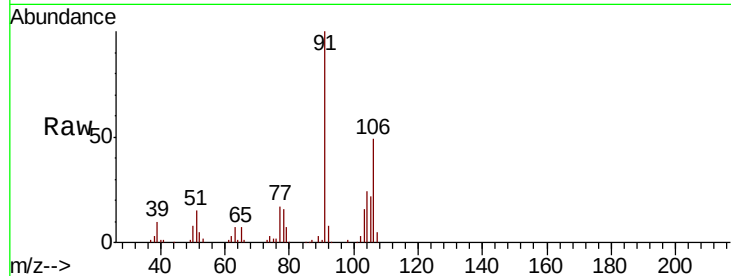




#69
o-Xylene
Concen: 19.123 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

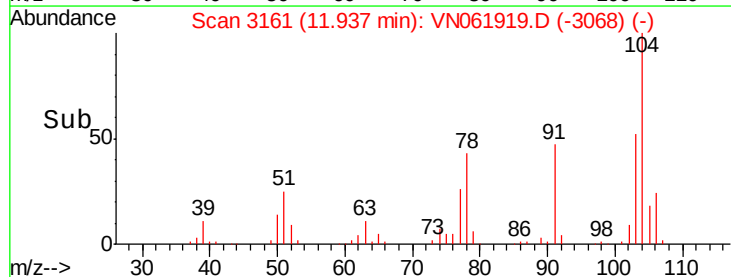
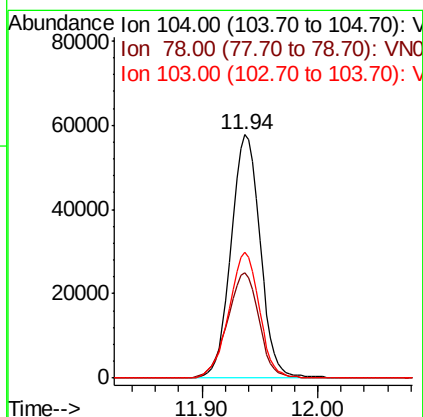
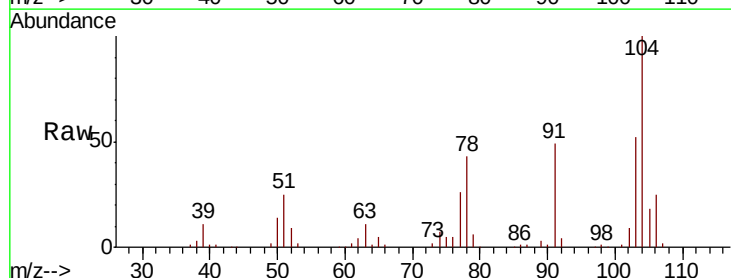
Instrument :
MSVOA_N
ClientSampled :
VN0618WBS02

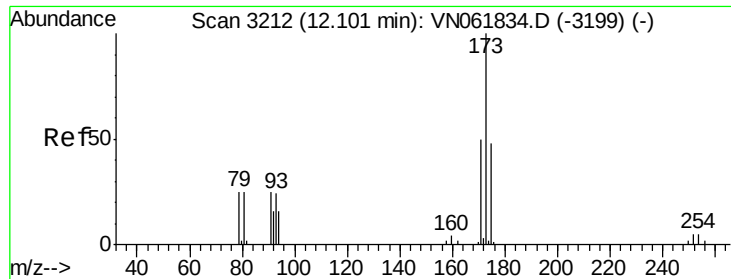
Tot Ion:106 Resp: 61133
Ion Ratio Lower Upper
106 100
91 206.3 103.0 308.9



#70
Styrene
Concen: 18.715 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061919.D
Acq: 19 Jun 2020 00:05

Tgt Ion:104 Resp: 100178
Ion Ratio Lower Upper
104 100
78 46.9 37.6 56.4
103 54.3 43.0 64.4





#71

Bromoform

Concen: 19.128 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

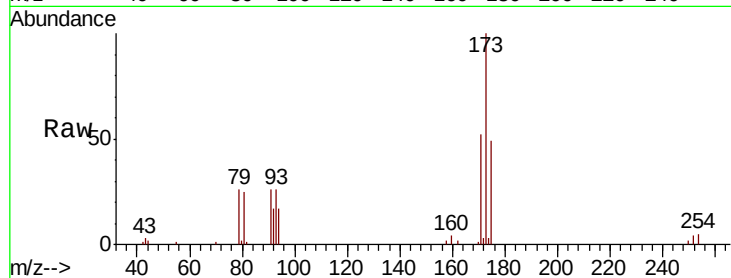
Tot Ion:173 Resp: 25208

Ion Ratio Lower Upper

173 100

175 48.2 23.9 71.7

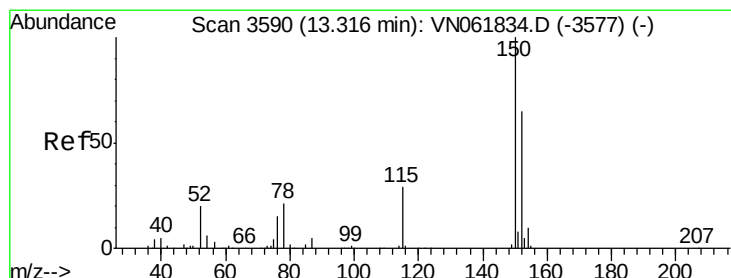
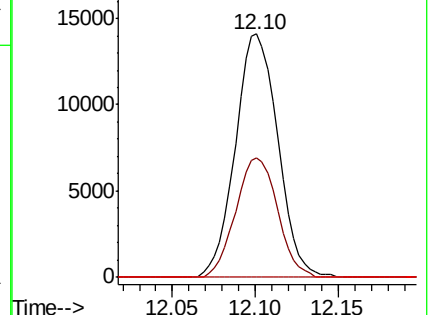
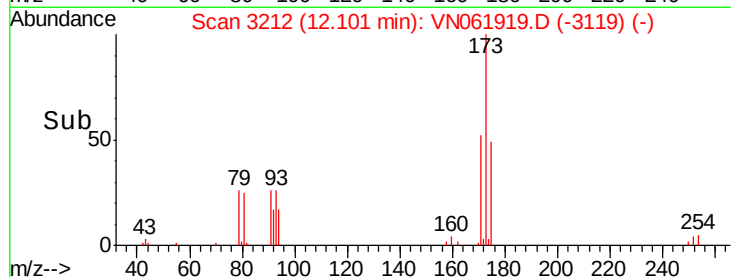
254 0.0 0.0 0.0



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: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

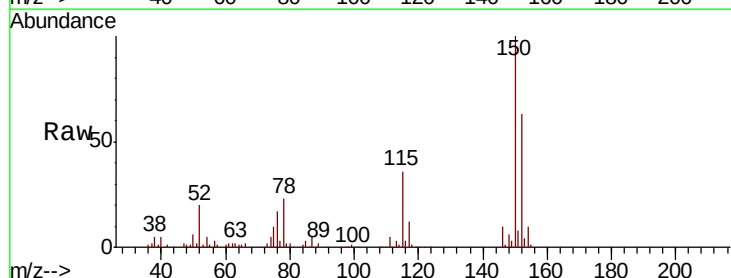
Tgt Ion:152 Resp: 111444

Ion Ratio Lower Upper

152 100

115 59.6 29.1 87.3

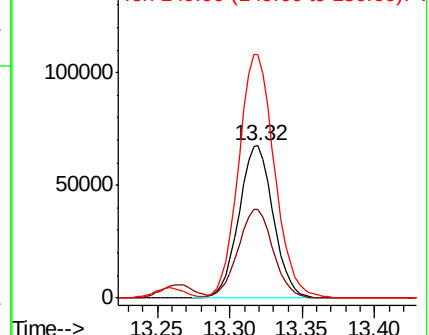
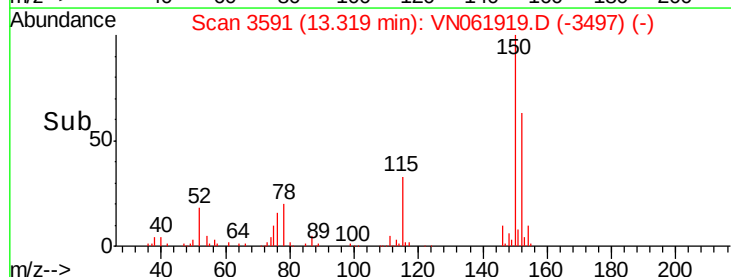
150 167.2 0.0 347.6

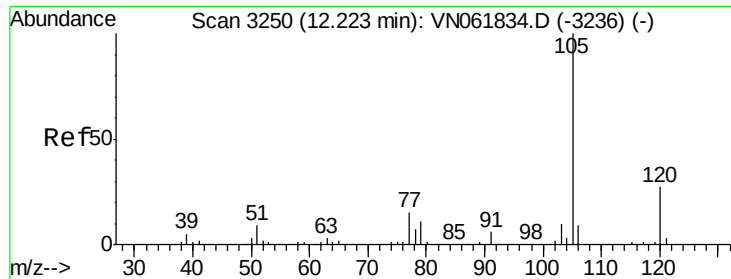


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.130 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampled :

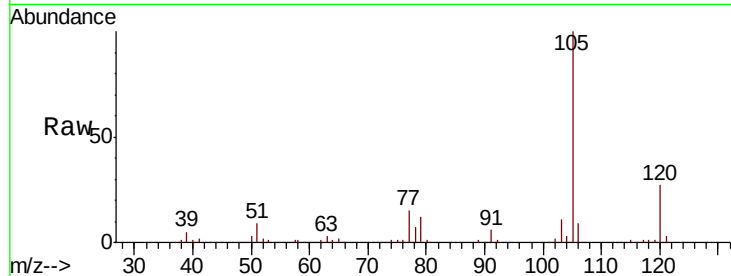
VN0618WBS02

Tot Ion:105 Resp: 159416

Ion Ratio Lower Upper

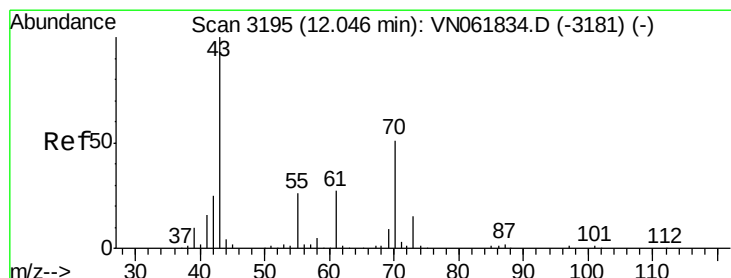
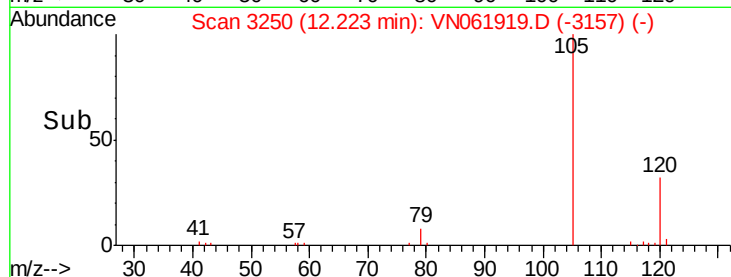
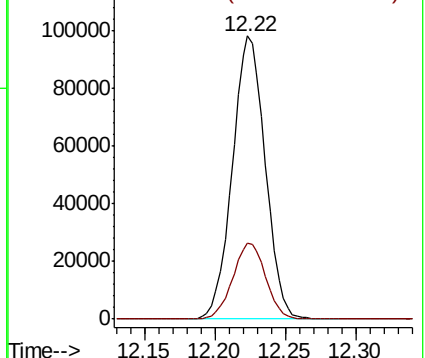
105 100

120 26.9 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-ethyl acetate

Concen: 18.893 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Tgt Ion: 43 Resp: 48361

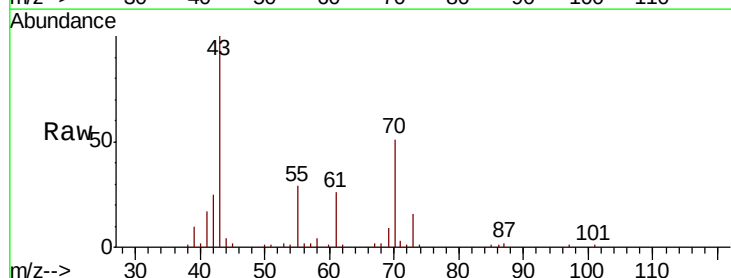
Ion Ratio Lower Upper

43 100

70 50.0 40.6 60.8

55 29.9 21.5 32.3

61 25.8 21.6 32.4

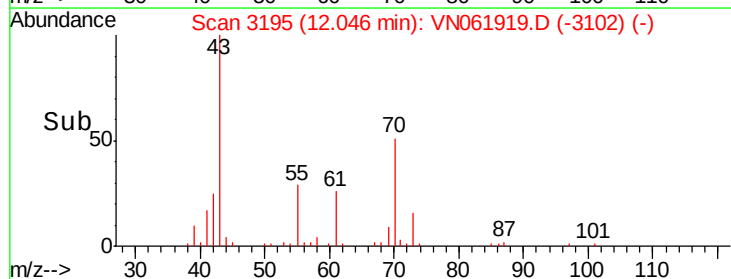
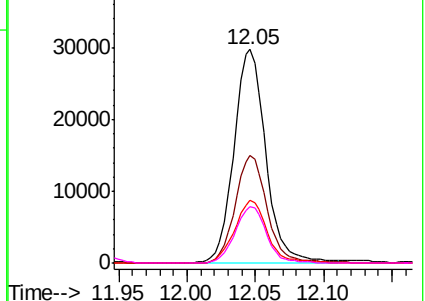


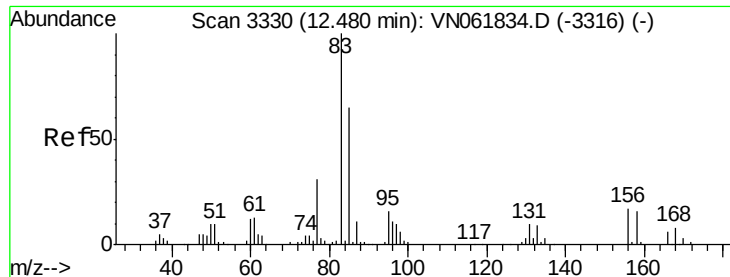
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 20.313 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

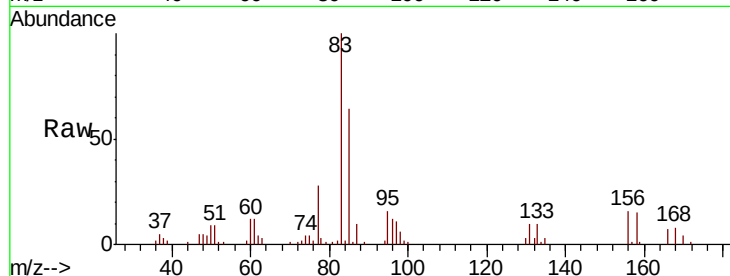
Tot Ion: 83 Resp: 52300

Ion Ratio Lower Upper

83 100

131 9.8 5.0 15.0

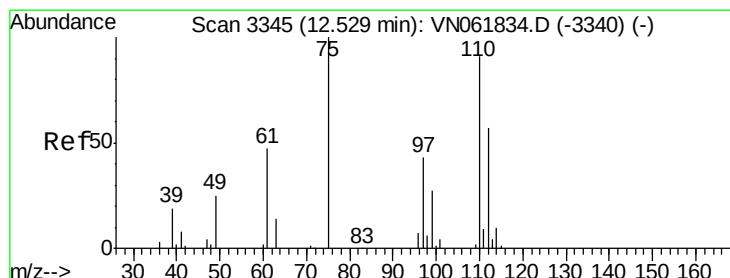
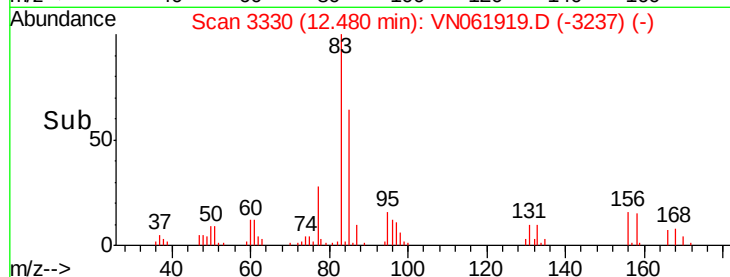
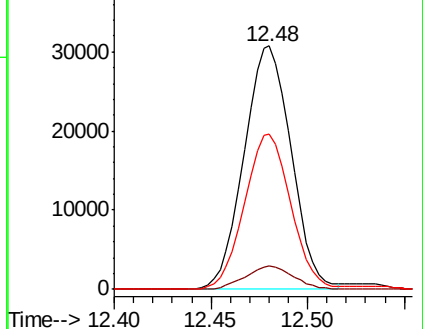
85 62.5 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN061919.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN061919.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN061919.D (-3237) (-)



#76

1,2,3-Trichloropropane

Concen: 27.857 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN061919.D

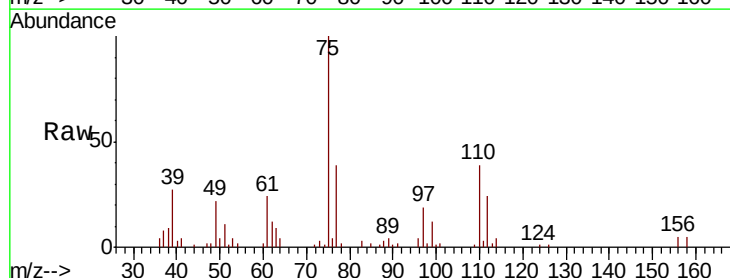
Acq: 19 Jun 2020 00:05

Tgt Ion: 75 Resp: 60948

Ion Ratio Lower Upper

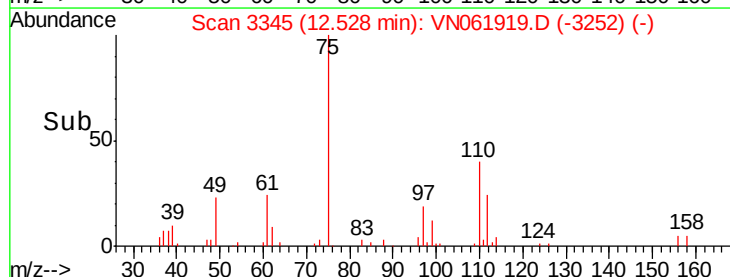
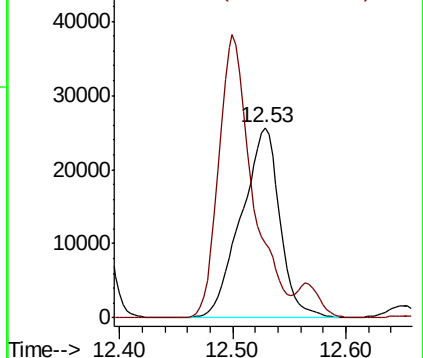
75 100

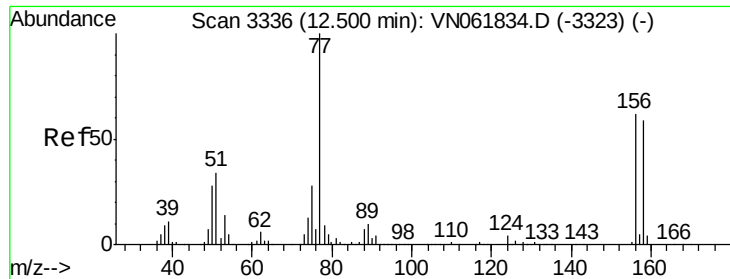
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061919.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061919.D (-3252) (-)





#77

Bromobenzene

Concen: 19.833 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampled :

VN0618WBS02

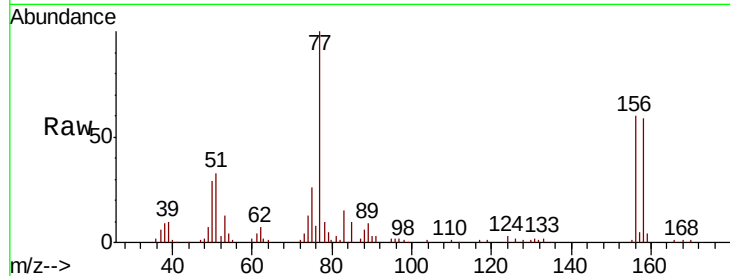
Tot Ion:156 Resp: 39626

Ion Ratio Lower Upper

156 100

77 200.3 100.7 302.1

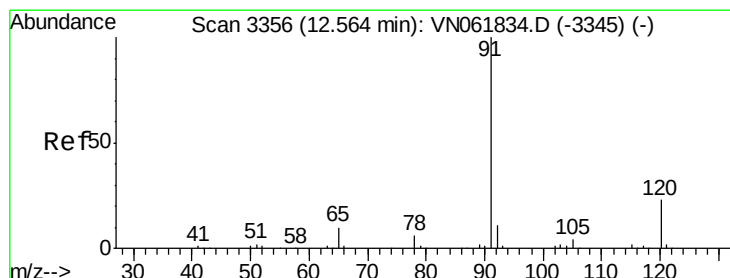
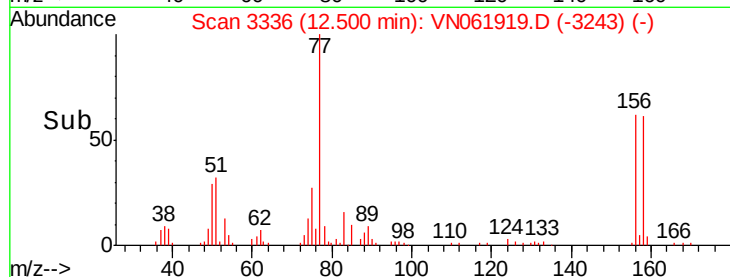
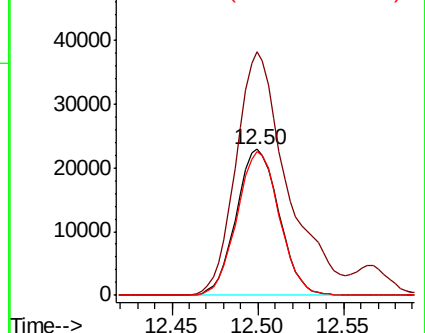
158 97.4 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.832 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061919.D

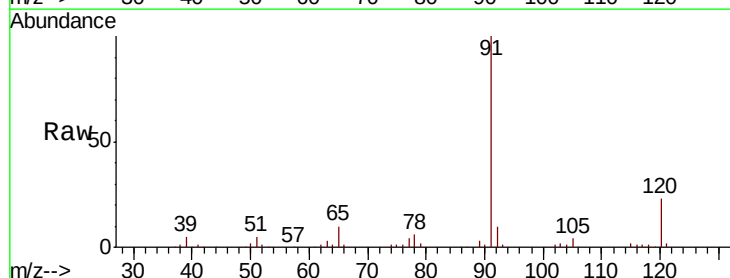
Acq: 19 Jun 2020 00:05

Tgt Ion: 91 Resp: 179207

Ion Ratio Lower Upper

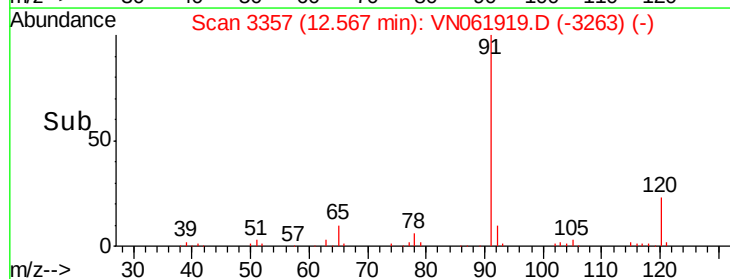
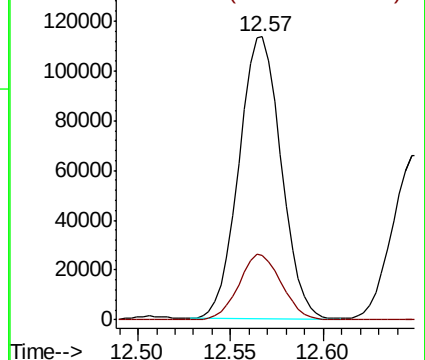
91 100

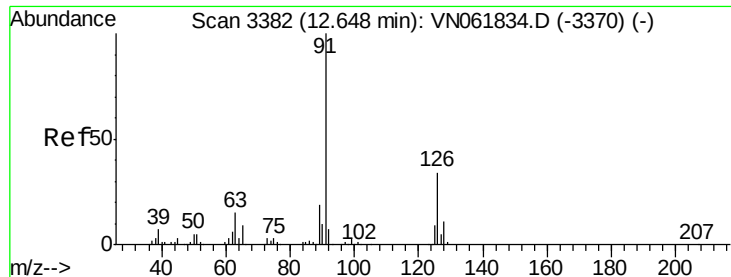
120 23.3 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

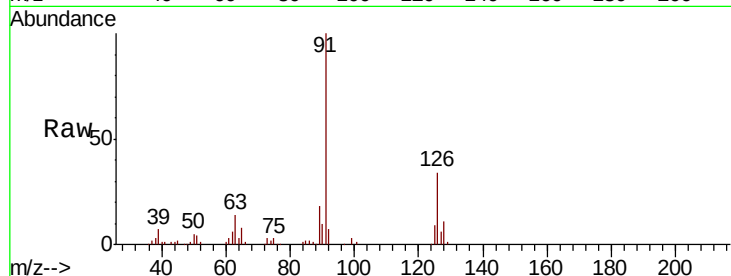




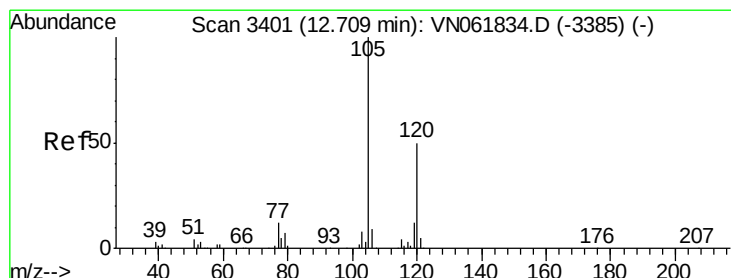
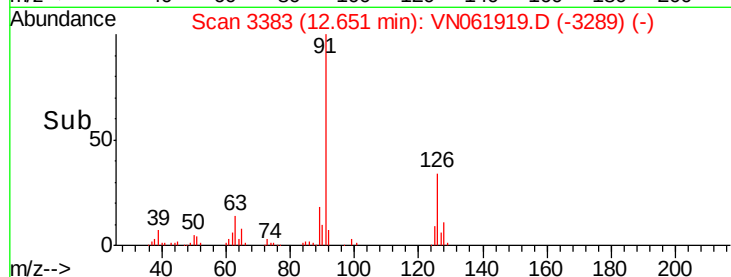
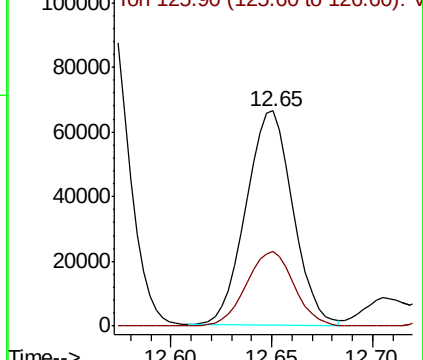
#79
 2-Chlorotoluene
 Concen: 19.911 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion: 91 Resp: 108058
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.3 51.7

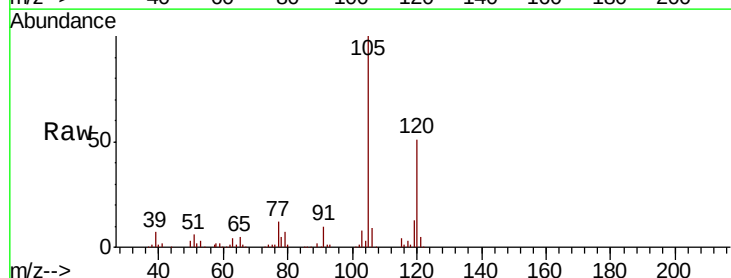


Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3370) (-)
 Ion 125.90 (125.60 to 126.60): VN061834.D (-3370) (-)

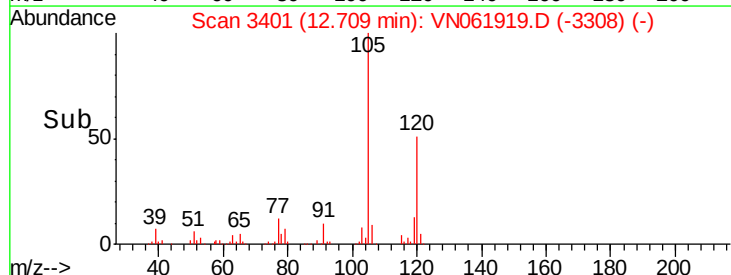
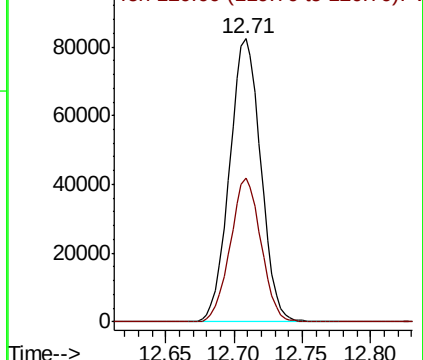


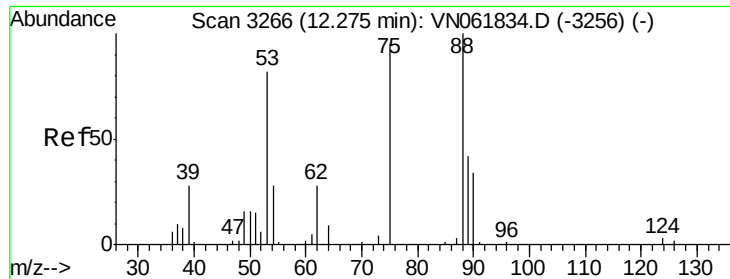
#80
 1,3,5-Trimethylbenzene
 Concen: 20.037 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion: 105 Resp: 131282
 Ion Ratio Lower Upper
 105 100
 120 49.8 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN061834.D (-3385) (-)
 Ion 120.00 (119.70 to 120.70): VN061834.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.662 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampled :

VN0618WBS02

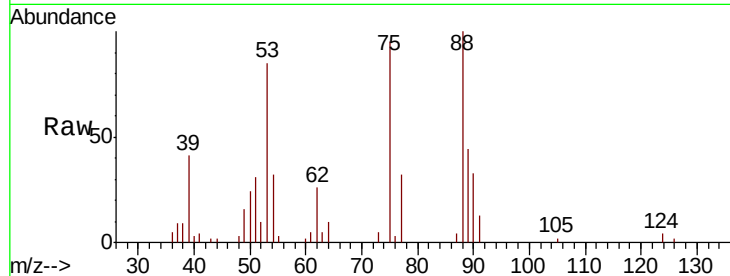
Tot Ion: 75 Resp: 14168

Ion Ratio Lower Upper

75 100

53 91.4 70.4 105.6

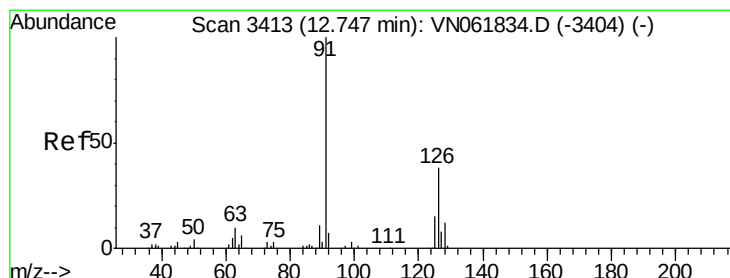
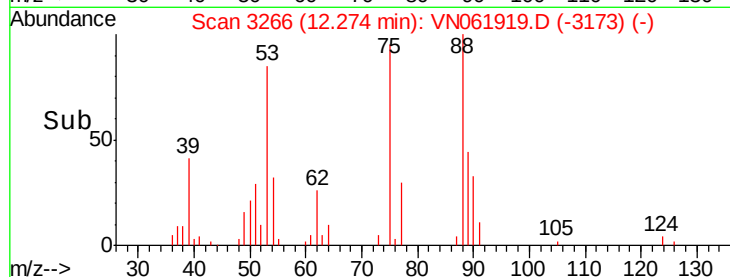
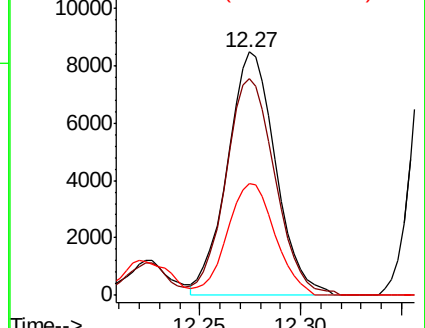
89 45.8 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061834.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN061834.D (-3256) (-)



#82

4-Chlorotoluene

Concen: 19.976 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061919.D

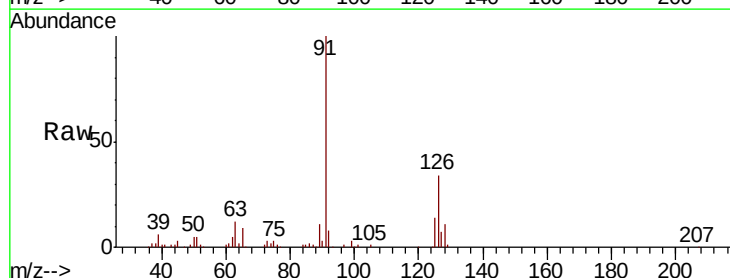
Acq: 19 Jun 2020 00:05

Tgt Ion: 91 Resp: 112022

Ion Ratio Lower Upper

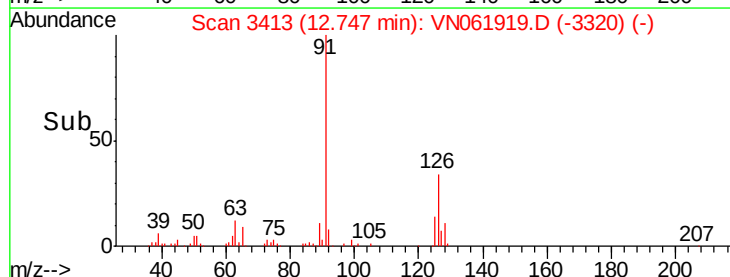
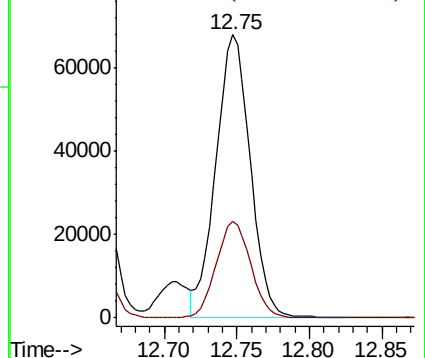
91 100

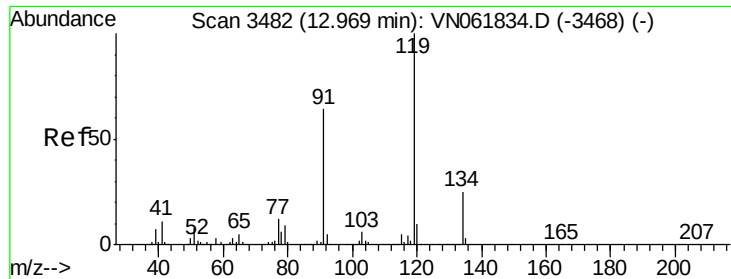
126 34.2 17.2 51.6



Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3404) (-)

Ion 125.90 (125.60 to 126.60): VN061834.D (-3404) (-)





#83

tert-Butylbenzene

Concen: 20.212 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

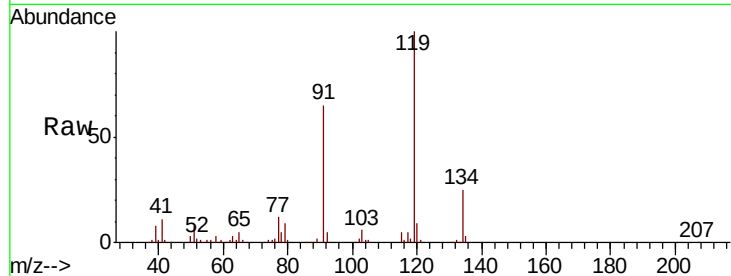
Tot Ion:119 Resp: 112267

Ion Ratio Lower Upper

119 100

91 62.4 31.5 94.5

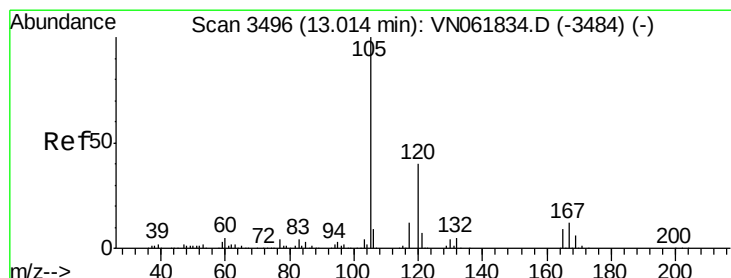
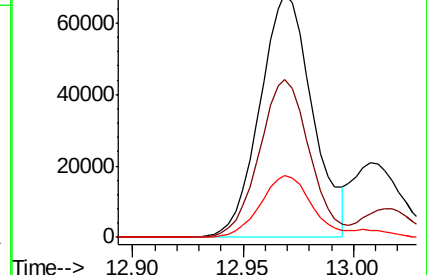
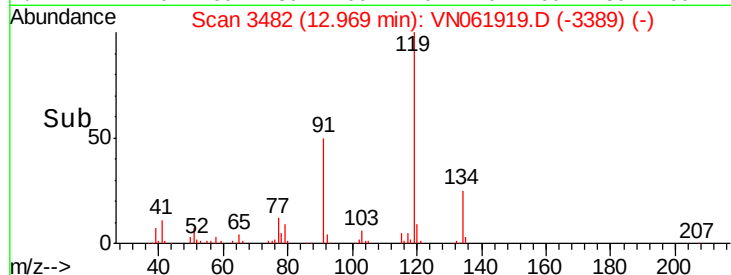
134 24.9 13.3 39.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.336 ug/l

RT: 13.01 min Scan# 3496

Delta R.T. -0.00 min

Lab File: VN061919.D

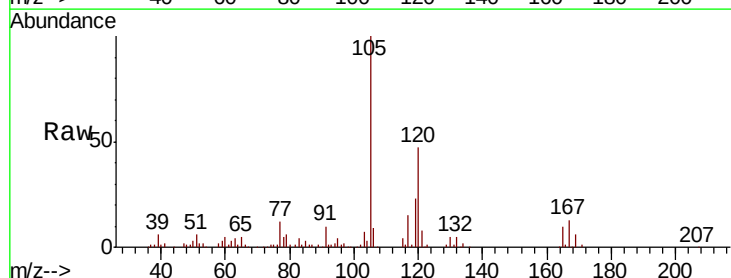
Acq: 19 Jun 2020 00:05

Tgt Ion:105 Resp: 131526

Ion Ratio Lower Upper

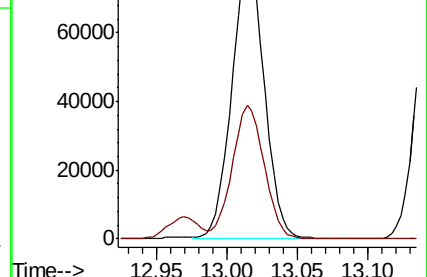
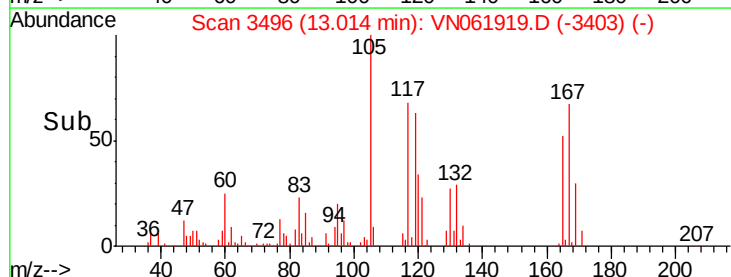
105 100

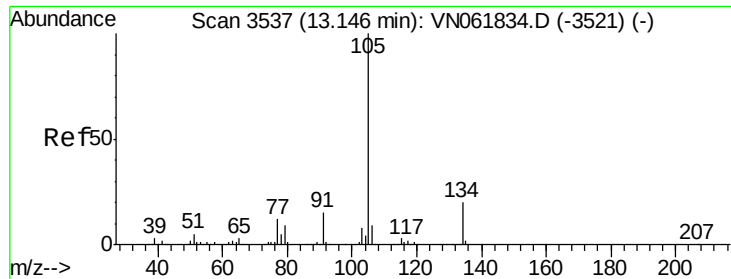
120 47.2 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.437 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

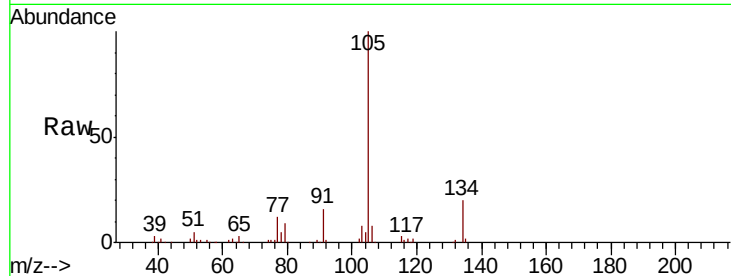
VN0618WBS02

Tot Ion:105 Resp: 141312

Ion Ratio Lower Upper

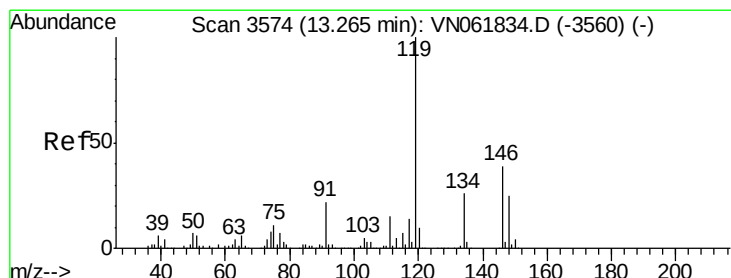
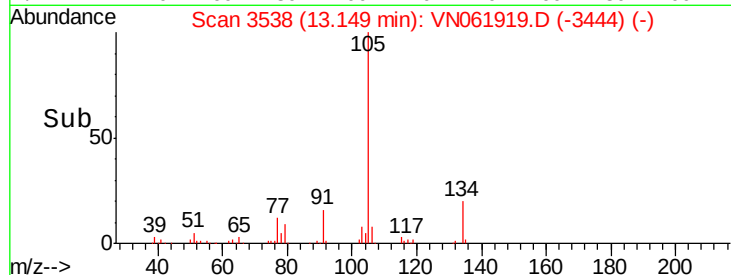
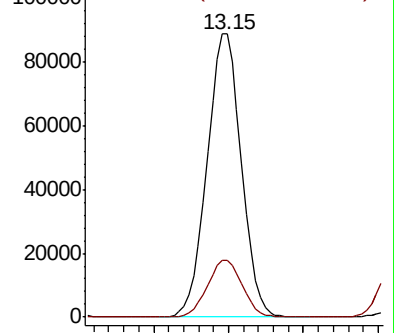
105 100

134 20.5 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.805 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

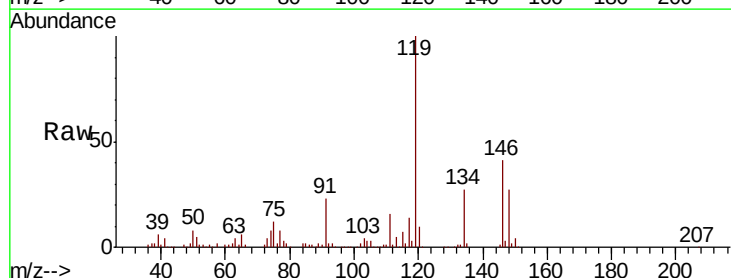
Tgt Ion:119 Resp: 128301

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

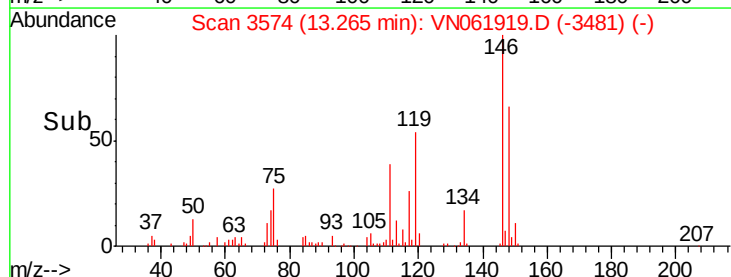
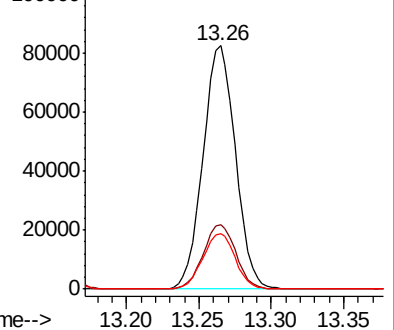
91 22.8 11.2 33.6

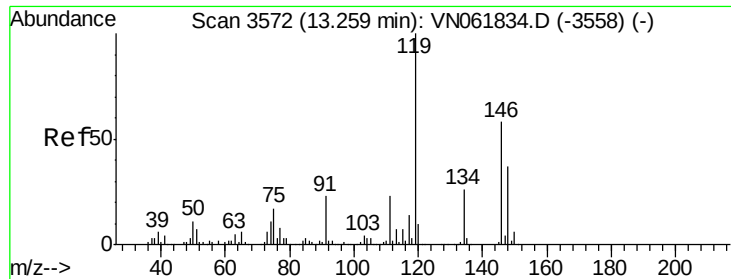


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

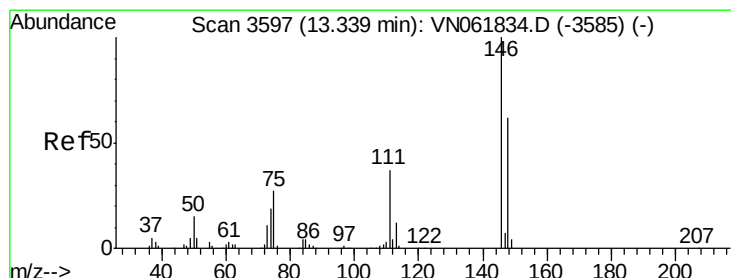
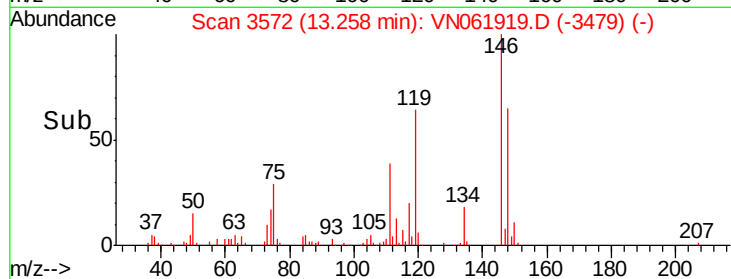
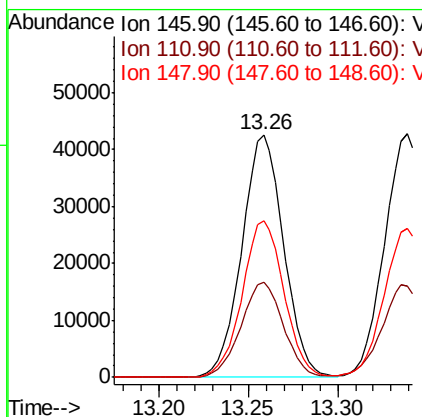
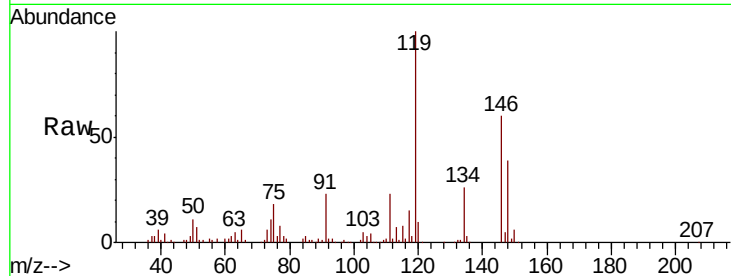




#87
 1,3-Dichlorobenzene
 Concen: 19.105 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

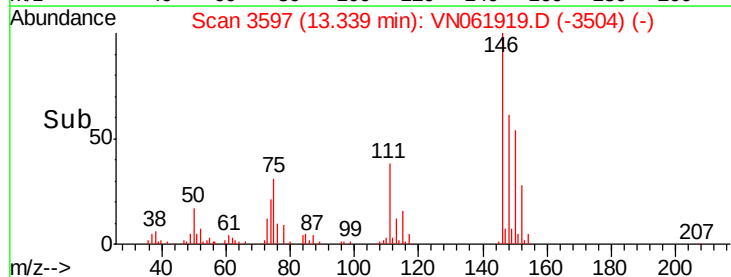
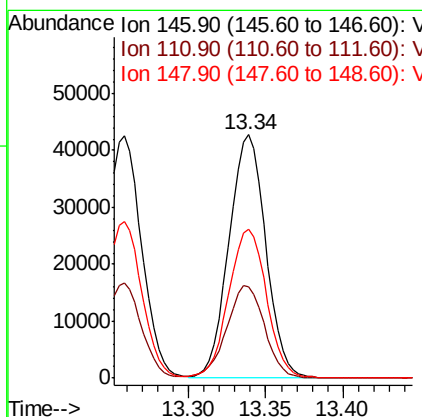
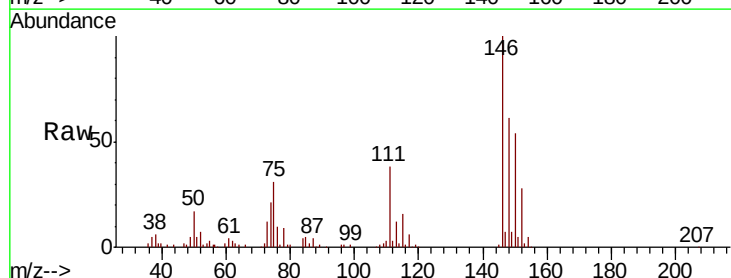
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

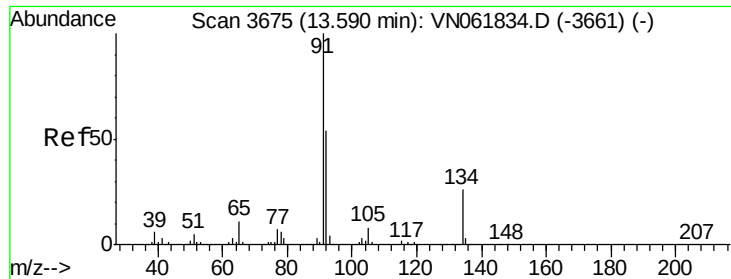
Tot Ion:146 Resp: 69619
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.6 58.8
 148 64.5 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 18.936 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion:146 Resp: 70630
 Ion Ratio Lower Upper
 146 100
 111 39.4 19.3 57.8
 148 63.1 31.6 94.7





#89

n-Butylbenzene

Concen: 17.701 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

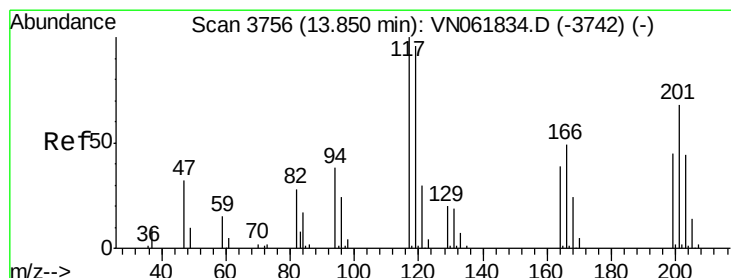
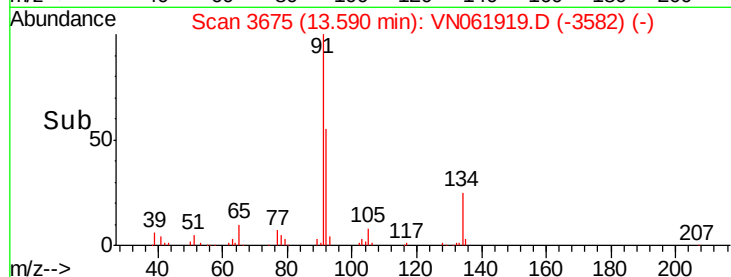
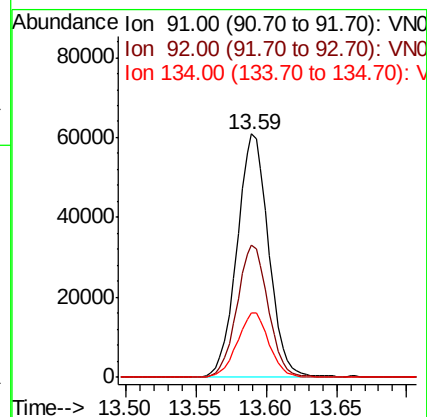
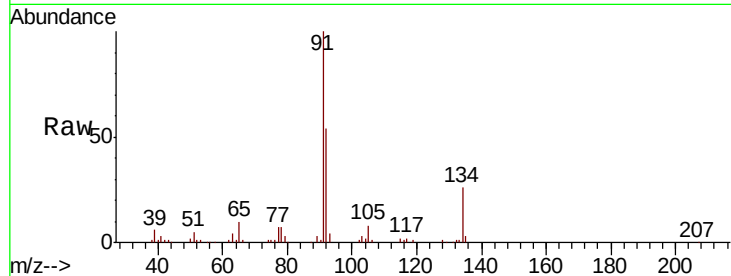
Tot Ion: 91 Resp: 95766

Ion Ratio Lower Upper

91 100

92 53.5 27.0 80.8

134 26.5 13.0 39.0



#90

Hexachloroethane

Concen: 19.839 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN061919.D

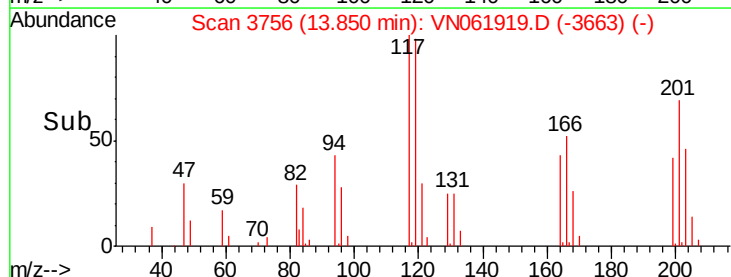
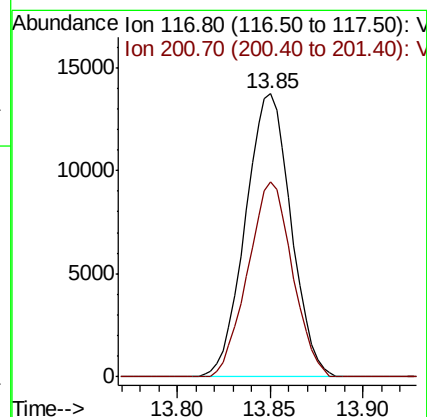
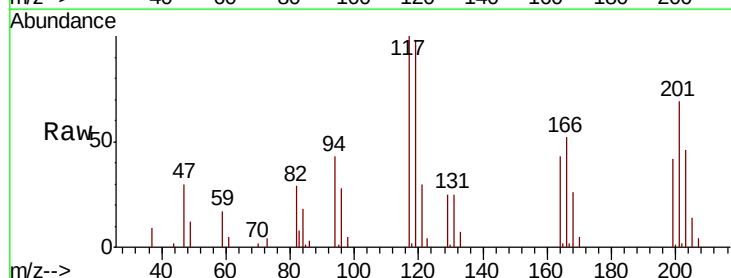
Acq: 19 Jun 2020 00:05

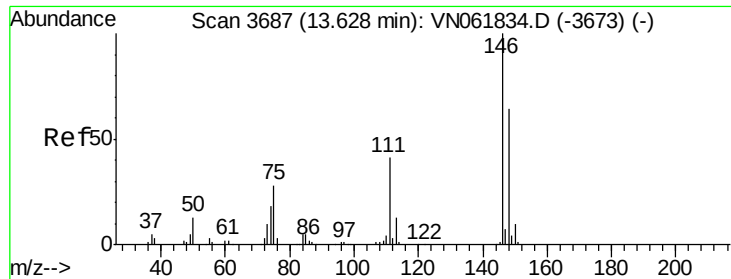
Tgt Ion: 117 Resp: 23526

Ion Ratio Lower Upper

117 100

201 67.2 34.6 103.8

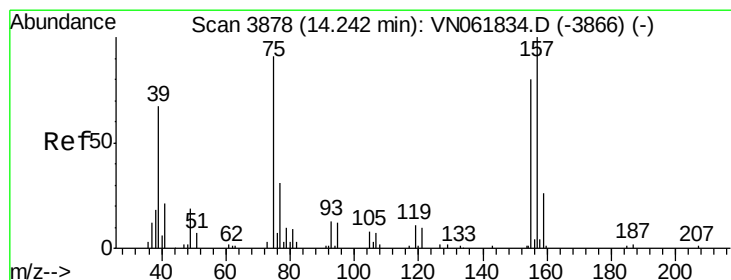
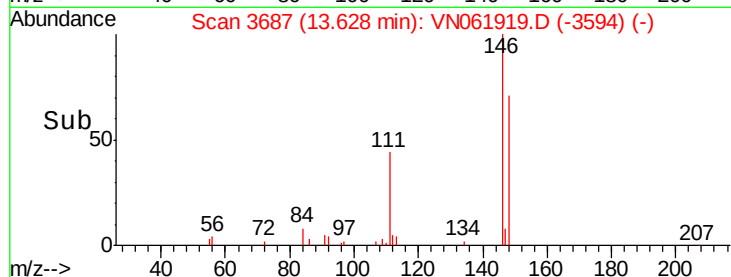
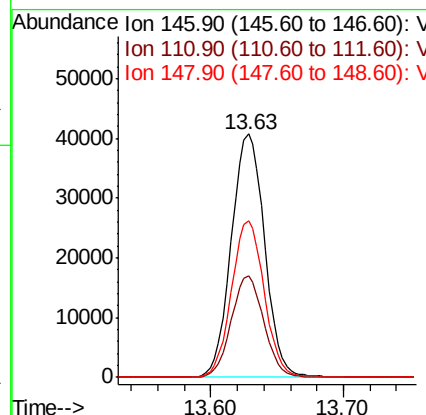
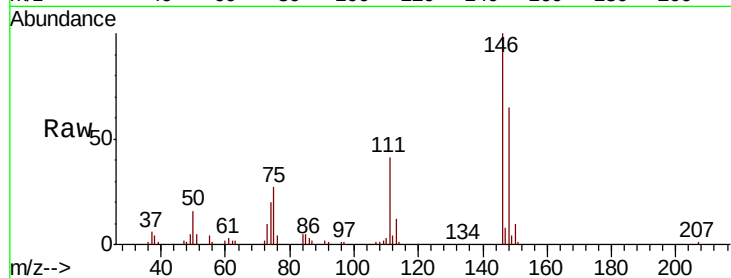




#91
 1,2-Dichlorobenzene
 Concen: 20.253 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

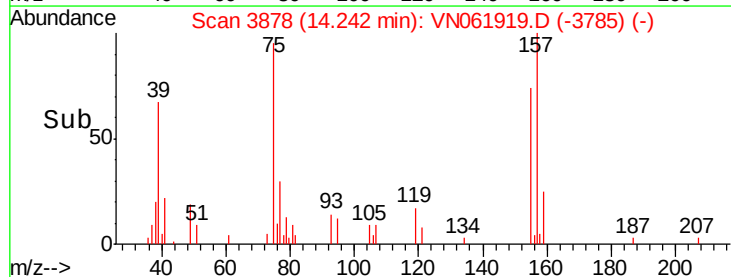
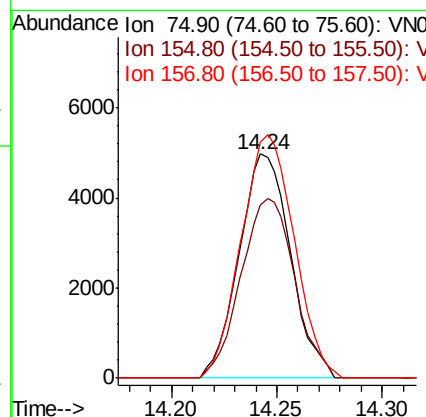
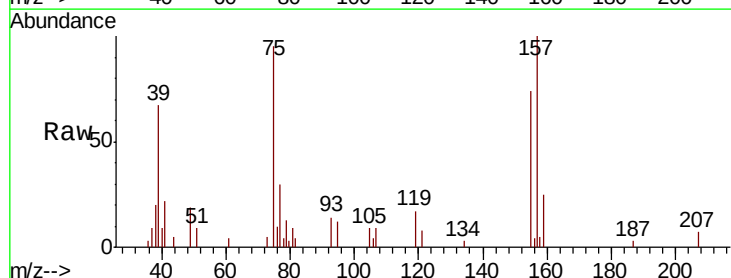
Instrument :
 MSVOA_N
 ClientSampled :
 VN0618WBS02

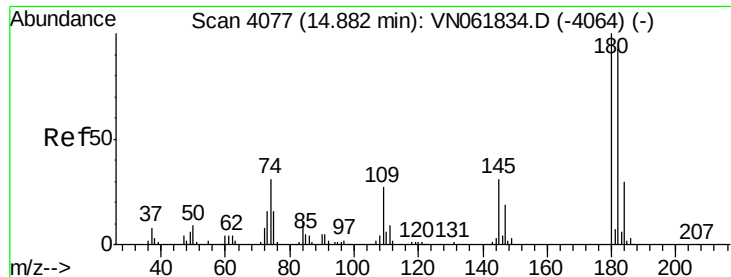
Tot Ion:146 Resp: 71050
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.4 61.2
 148 63.3 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.125 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion: 75 Resp: 8412
 Ion Ratio Lower Upper
 75 100
 155 83.4 44.4 133.2
 157 112.2 57.0 171.2

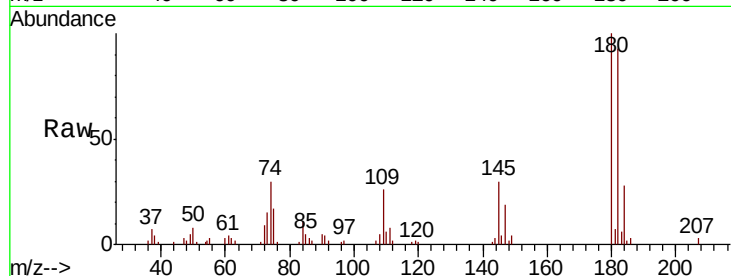




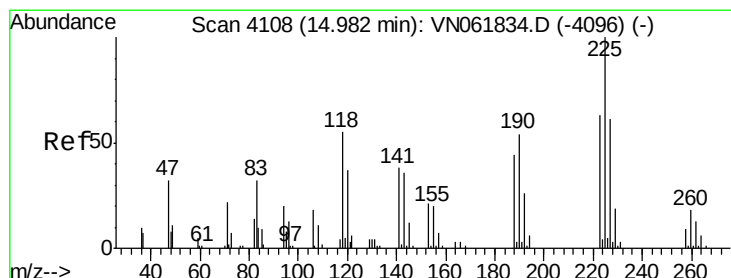
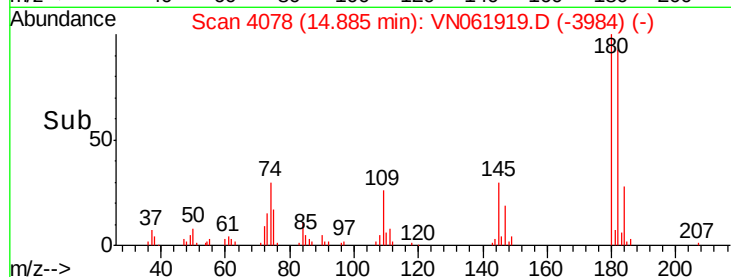
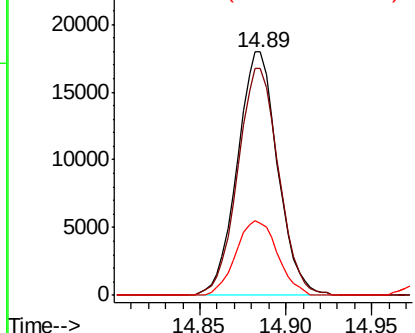
#93
 1,2,4-Trichlorobenzene
 Concen: 17.685 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBS02

Tot Ion:180 Resp: 29276
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.0 141.2
 145 31.7 15.8 47.3

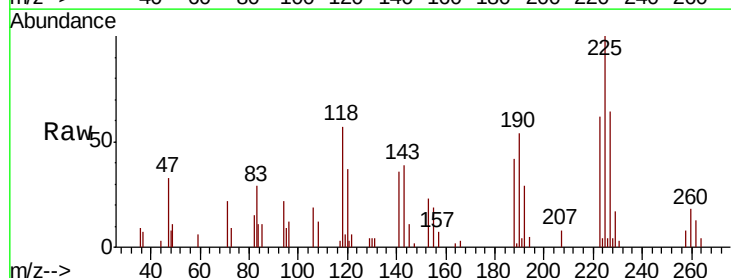


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

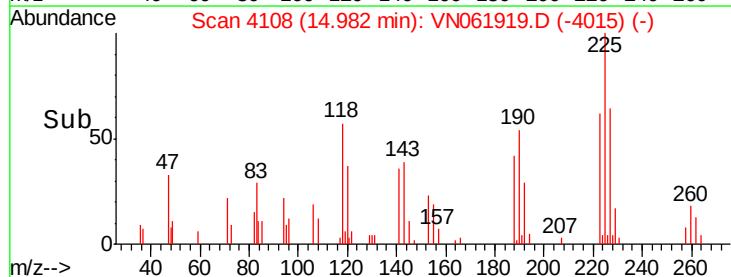
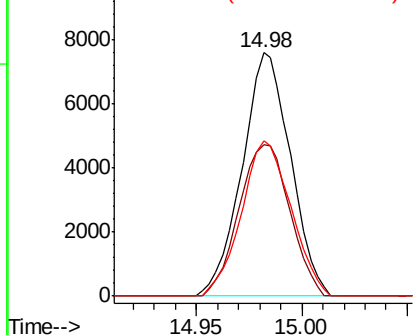


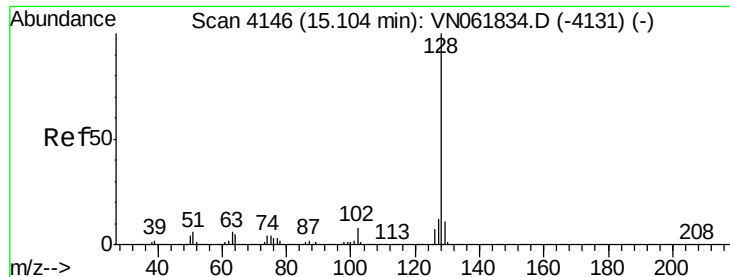
#94
 Hexachlorobutadiene
 Concen: 18.590 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061919.D
 Acq: 19 Jun 2020 00:05

Tgt Ion:225 Resp: 12120
 Ion Ratio Lower Upper
 225 100
 223 65.2 31.7 95.1
 227 65.5 30.1 90.3



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: 17.867 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBS02

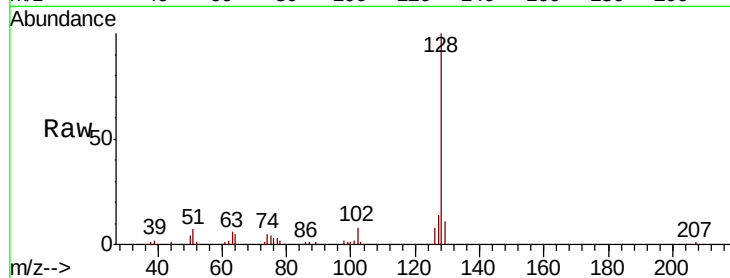
Tot Ion:128 Resp: 85706

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

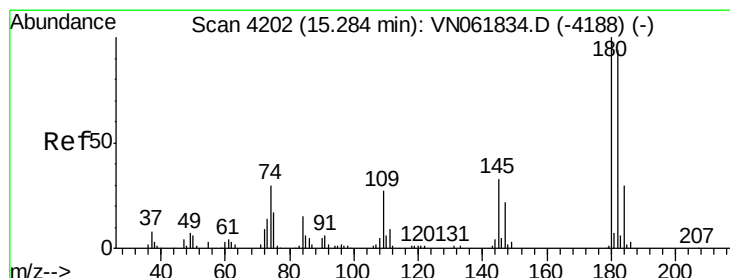
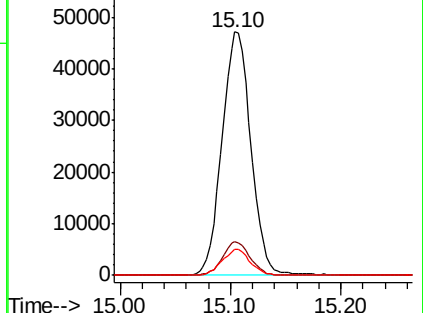
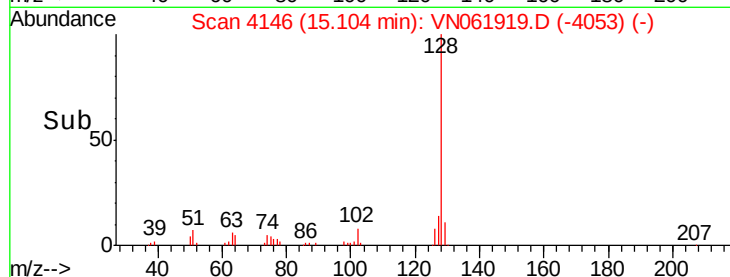
129 10.2 8.6 13.0



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: 19.069 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061919.D

Acq: 19 Jun 2020 00:05

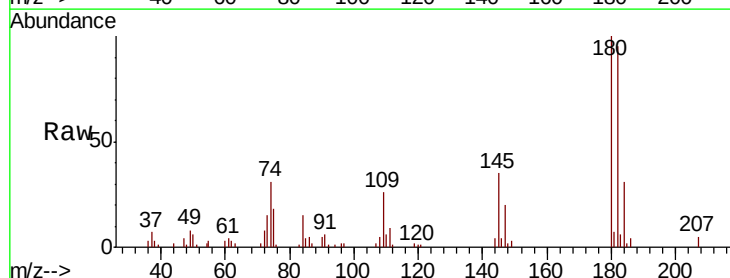
Tgt Ion:180 Resp: 31262

Ion Ratio Lower Upper

180 100

182 92.1 47.9 143.6

145 33.0 16.5 49.5



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

