

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061444.D
 Acq On : 18 May 2020 19:00
 Operator : JC/MD
 Sample : VN0518WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 19 03:31:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	285908	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	530906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	491754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	225840	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	199127	46.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.34%	
35) Dibromofluoromethane	7.55	113	141405	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.06	98	589700	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	
62) 4-Bromofluorobenzene	12.37	95	219101	45.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	47294	19.894	ug/l	100
3) Chloromethane	2.03	50	68421	17.646	ug/l	99
4) Vinyl Chloride	2.16	62	99798	17.984	ug/l	100
5) Bromomethane	2.54	94	54340	16.707	ug/l	95
6) Chloroethane	2.67	64	65013	17.406	ug/l	99
7) Trichlorofluoromethane	2.98	101	111976	16.620	ug/l	98
8) Diethyl Ether	3.37	74	34491	17.576	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	49423	17.641	ug/l	99
10) Methyl Iodide	3.91	142	61947	18.204	ug/l	99
11) Tert butyl alcohol	4.73	59	44555	90.621	ug/l	99
12) 1,1-Dichloroethene	3.70	96	51002	17.403	ug/l	95
13) Acrolein	3.57	56	29096	68.991	ug/l	97
14) Allyl chloride	4.28	41	85338	17.893	ug/l	95
15) Acrylonitrile	4.93	53	132043	90.650	ug/l	99
16) Acetone	3.77	43	97658	81.760	ug/l	99
17) Carbon Disulfide	4.01	76	136609	19.792	ug/l	98
18) Methyl Acetate	4.28	43	52936	17.392	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	199532	17.941	ug/l	99
20) Methylene Chloride	4.50	84	59632	17.004	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	58962	17.448	ug/l	96
22) Diisopropyl ether	5.90	45	190878	17.810	ug/l	94
23) Vinyl Acetate	5.84	43	773283	90.733	ug/l	99
24) 1,1-Dichloroethane	5.80	63	113545	18.164	ug/l	98
25) 2-Butanone	6.79	43	171414	88.229	ug/l	99
26) 2,2-Dichloropropane	6.78	77	101702	17.066	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	72499	18.162	ug/l	98
28) Bromochloromethane	7.15	49	51837	19.536	ug/l	98
29) Tetrahydrofuran	7.17	42	113291	88.049	ug/l	99
30) Chloroform	7.33	83	119168	18.252	ug/l	97
31) Cyclohexane	7.62	56	96357	15.456	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	105937	17.756	ug/l	99
36) 1,1-Dichloropropene	7.75	75	84723	17.067	ug/l	99
37) Ethyl Acetate	6.88	43	76074	16.898	ug/l	98
38) Carbon Tetrachloride	7.73	117	77142	16.876	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.05	83	90384	14.907	ug/l	98
40) Benzene	8.00	78	262988	17.579	ug/l	100
41) Methacrylonitrile	7.12	41	36634	19.266	ug/l #	91
42) 1,2-Dichloroethane	8.09	62	95765	17.768	ug/l	100
43) Isopropyl Acetate	8.13	43	137030	17.452	ug/l	100
44) Trichloroethene	8.80	130	70891	18.085	ug/l	95
45) 1,2-Dichloropropane	9.09	63	67101	17.920	ug/l	99
46) Dibromomethane	9.18	93	46570	17.741	ug/l	99
47) Bromodichloromethane	9.37	83	96306	17.413	ug/l	100
48) Methyl methacrylate	9.17	41	61580	16.977	ug/l	98
49) 1,4-Dioxane	9.17	88	14523	356.394	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	386695	90.404	ug/l	99
52) Toluene	10.12	92	169271	17.624	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	106950	17.643	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	113964	17.685	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	65823	18.127	ug/l	99
56) Ethyl methacrylate	10.40	69	103531	18.237	ug/l	99
57) 1,3-Dichloropropane	10.68	76	113879	18.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	236273	94.820	ug/l	99
59) 2-Hexanone	10.72	43	269963	87.235	ug/l	100
60) Dibromochloromethane	10.87	129	69298	17.253	ug/l	98
61) 1,2-Dibromoethane	10.98	107	69435	18.187	ug/l	100
64) Tetrachloroethene	10.60	164	64587	16.977	ug/l	99
65) Chlorobenzene	11.41	112	175425	17.494	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	61157	17.011	ug/l	98
67) Ethyl Benzene	11.48	91	324896	17.749	ug/l	99
68) m/p-Xylenes	11.59	106	243507	35.047	ug/l	99
69) o-Xylene	11.92	106	119411	17.760	ug/l	98
70) Styrene	11.94	104	202695	18.205	ug/l	99
71) Bromoform	12.10	173	43869	17.078	ug/l #	98
73) Isopropylbenzene	12.22	105	303680	16.750	ug/l	100
74) N-amyl acetate	12.05	43	119145	17.954	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	90719	18.187	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	117642	24.276	ug/l #	100
77) Bromobenzene	12.50	156	74130	18.840	ug/l	93
78) n-propylbenzene	12.57	91	351552	17.018	ug/l	99
79) 2-Chlorotoluene	12.65	91	210847	17.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	255726	17.226	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	30181	16.522	ug/l	96
82) 4-Chlorotoluene	12.75	91	222321	17.584	ug/l	99
83) tert-Butylbenzene	12.97	119	207169	16.292	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	258531	17.402	ug/l	99
85) sec-Butylbenzene	13.15	105	273676	15.916	ug/l	99
86) p-Isopropyltoluene	13.27	119	242107	15.857	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	127682	17.731	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	126736	17.574	ug/l	96
89) n-Butylbenzene	13.59	91	208891	15.059	ug/l	99
90) Hexachloroethane	13.85	117	31182	15.069	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	124399	18.009	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	18921	18.778	ug/l	98

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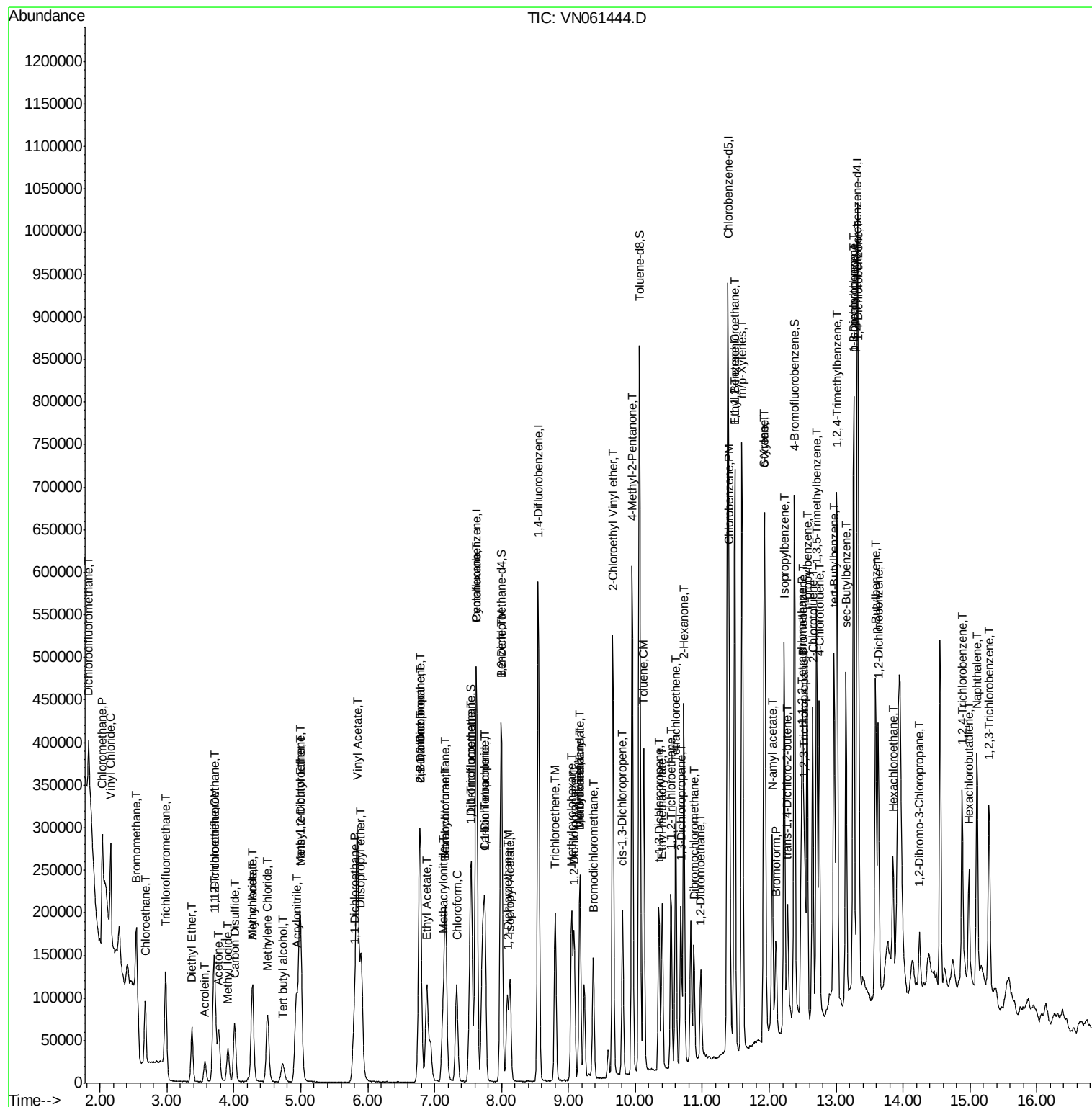
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	64740	17.285	ug/l	97
94) Hexachlorobutadiene	14.98	225	21597	12.978	ug/l	99
95) Naphthalene	15.10	128	233817	19.637	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	63146	16.936	ug/l	99

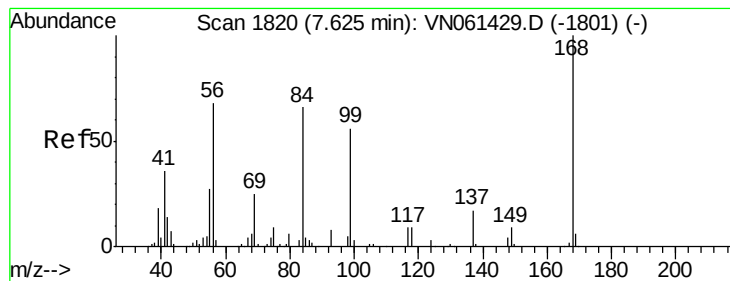
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampled :

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

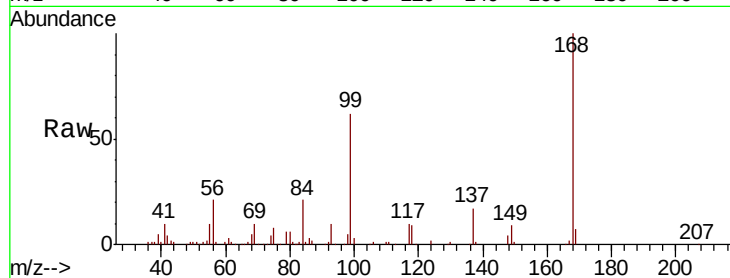
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 285908

Ion Ratio Lower Upper

168 100

99 61.7 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

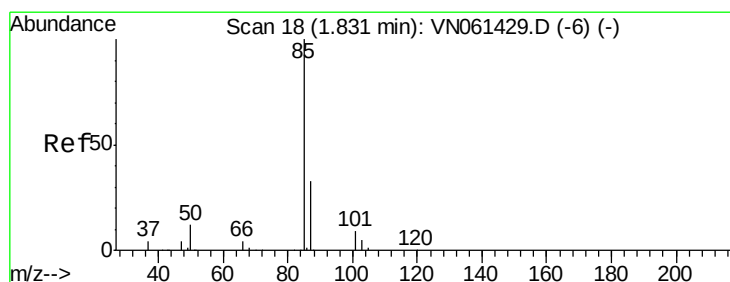
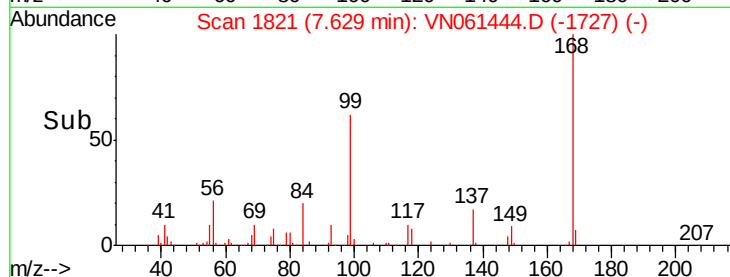
7.63

100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 19.894 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061444.D

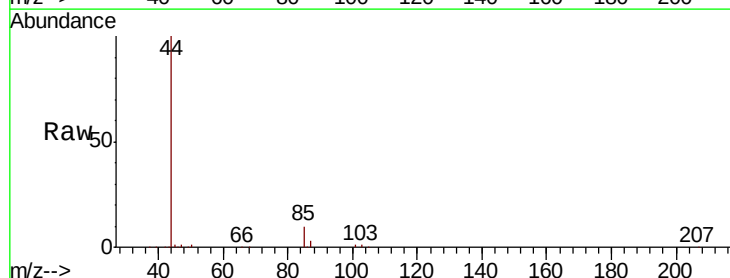
Acq: 18 May 2020 19:00

Tgt Ion: 85 Resp: 47294

Ion Ratio Lower Upper

85 100

87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

40000

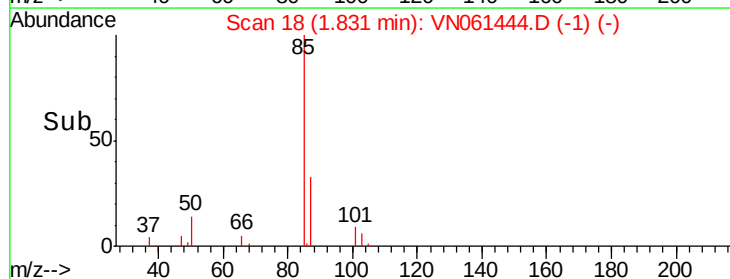
30000

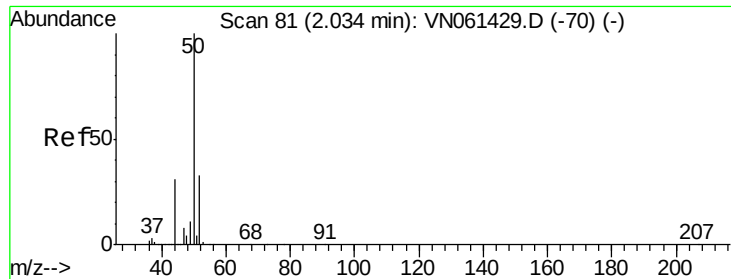
20000

10000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 17.646 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

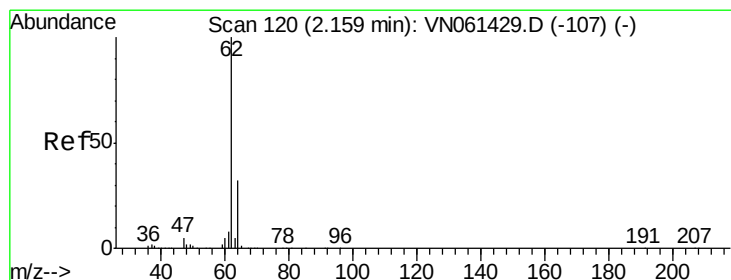
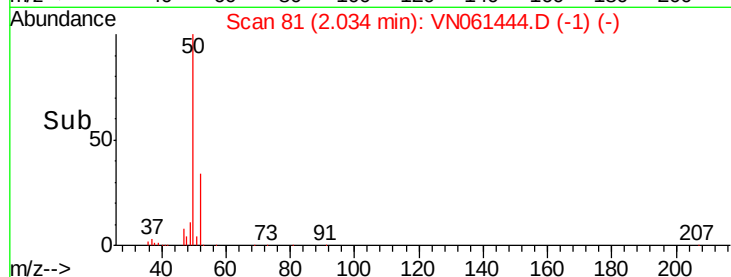
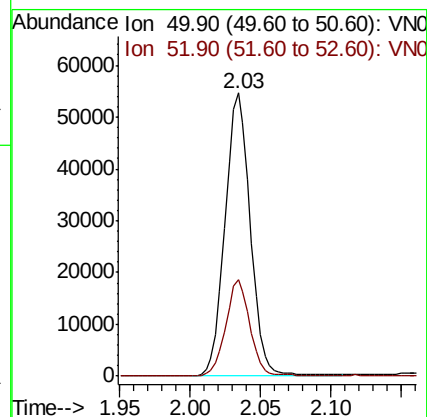
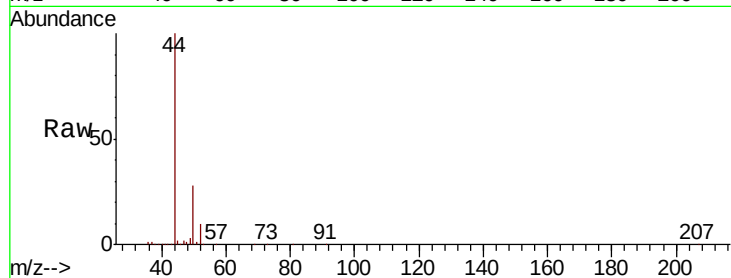
ClientSampleId :

Tot Ion: 50 Resp: 68421

Ion Ratio Lower Upper

50 100

52 34.0 26.7 40.1



#4

Vinyl Chloride

Concen: 17.984 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061444.D

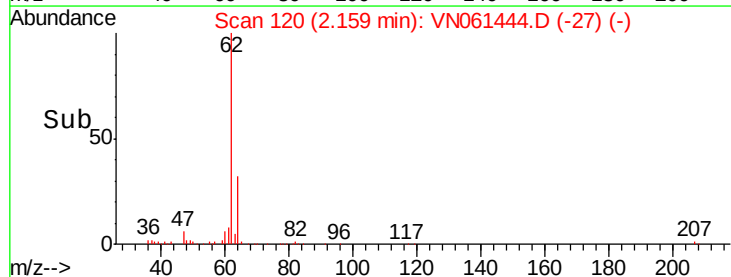
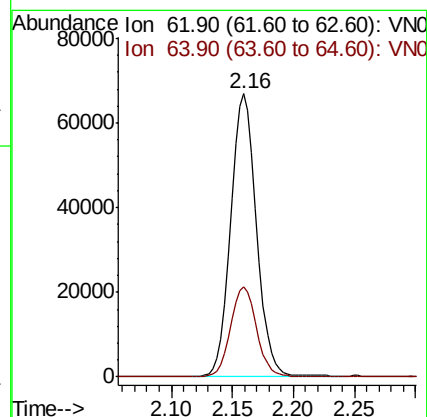
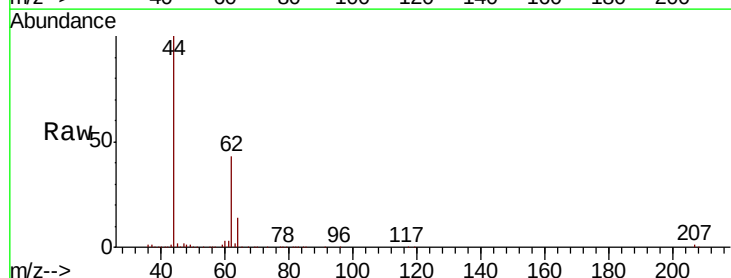
Acq: 18 May 2020 19:00

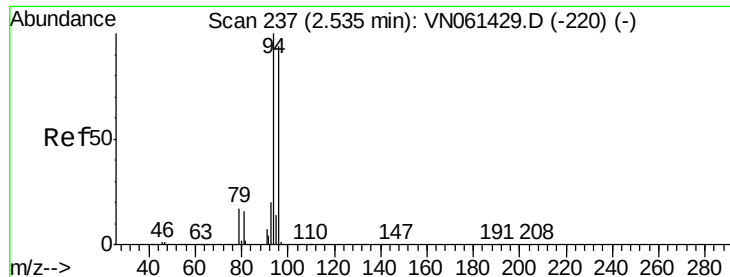
Tgt Ion: 62 Resp: 99798

Ion Ratio Lower Upper

62 100

64 31.7 25.3 37.9





#5

Bromomethane

Concen: 16.707 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

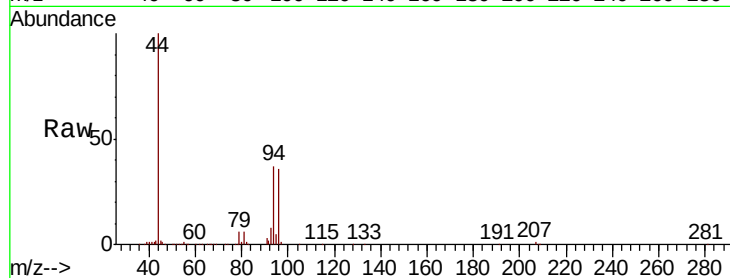
ClientSampleId :

Tot Ion: 94 Resp: 54340

Ion Ratio Lower Upper

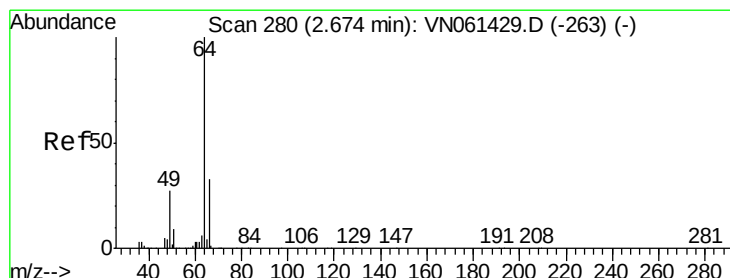
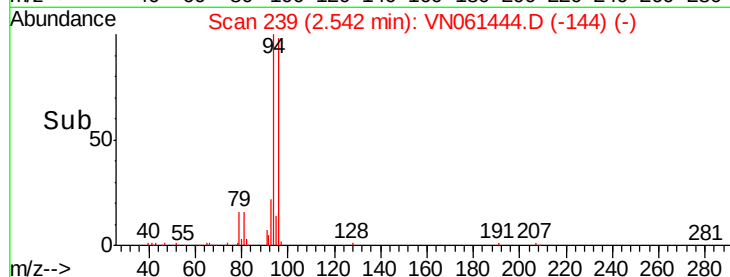
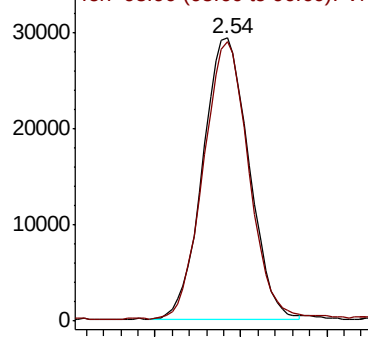
94 100

96 98.8 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.406 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061444.D

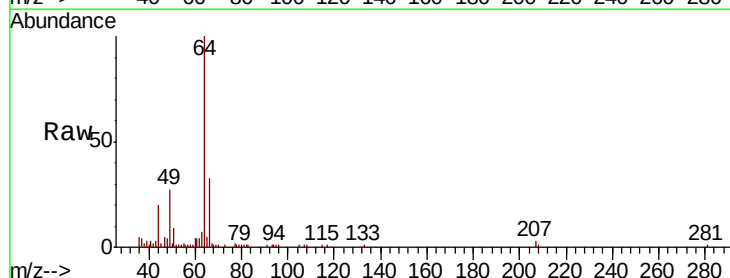
Acq: 18 May 2020 19:00

Tgt Ion: 64 Resp: 65013

Ion Ratio Lower Upper

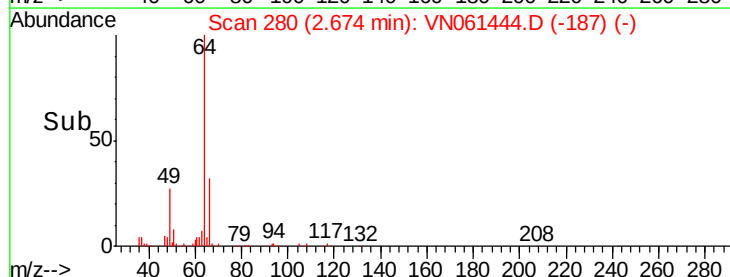
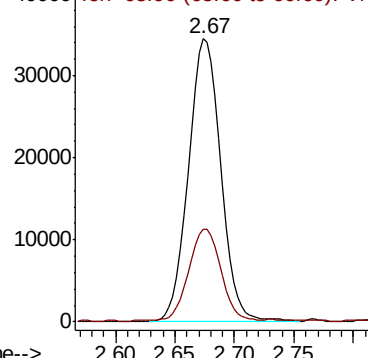
64 100

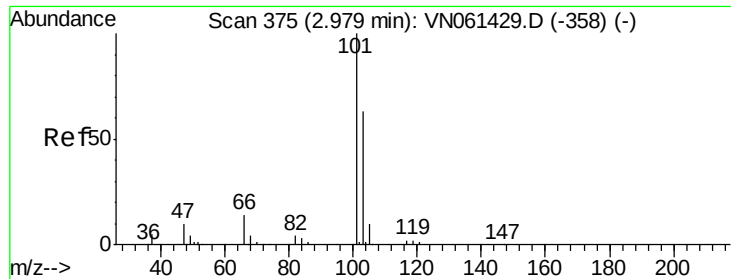
66 32.1 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



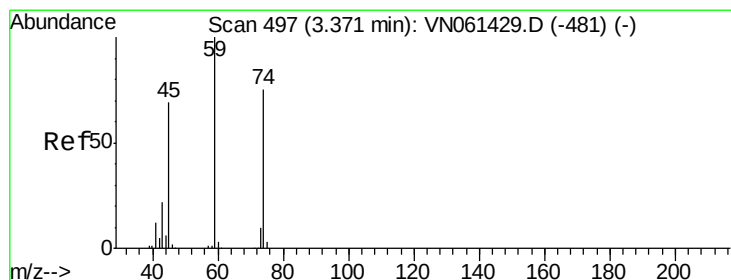
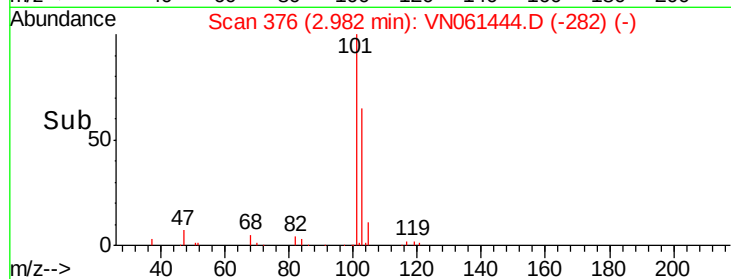
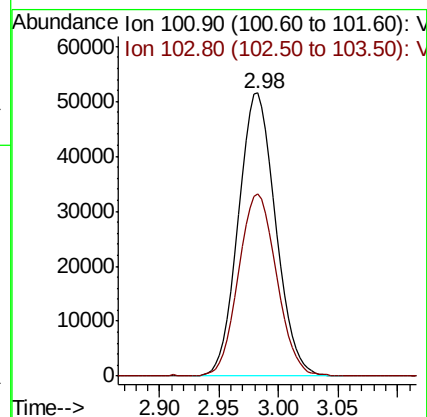
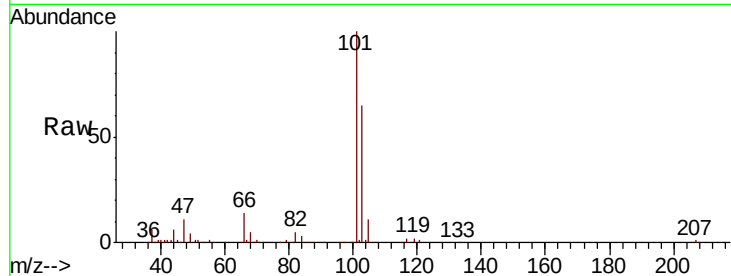


#7

Trichlorofluoromethane
Concen: 16.620 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :

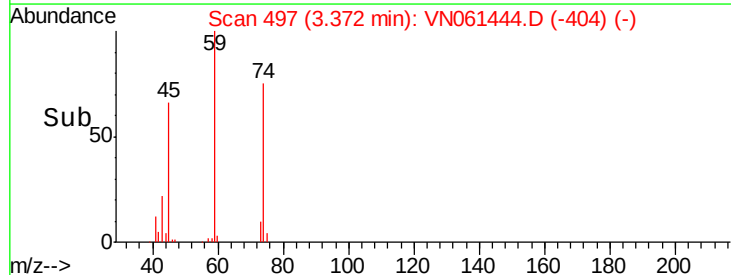
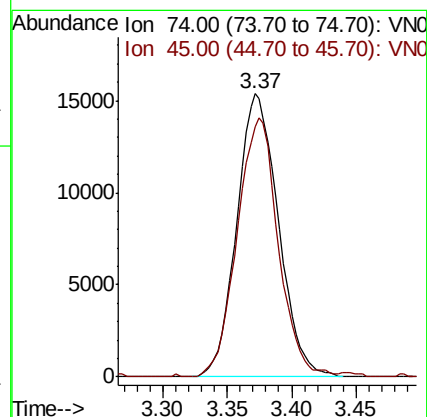
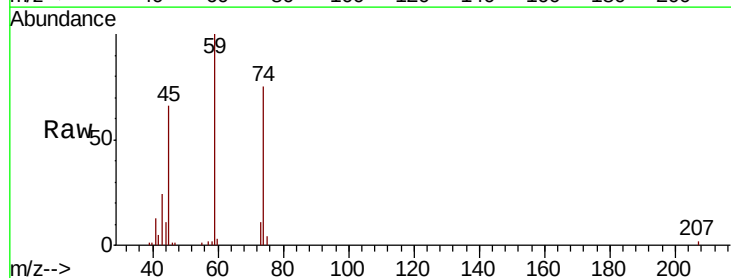
Tot Ion:101 Resp: 111976
Ion Ratio Lower Upper
101 100
103 64.5 50.2 75.4

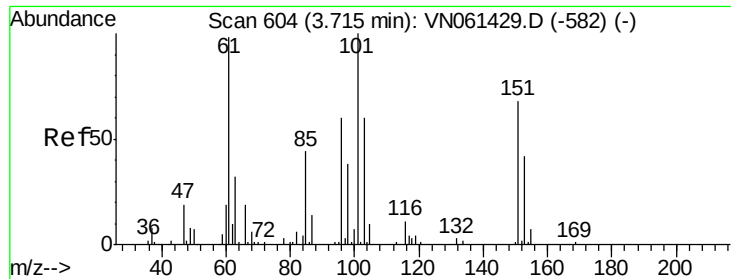


#8

Diethyl Ether
Concen: 17.576 ug/l
RT: 3.37 min Scan# 497
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 74 Resp: 34491
Ion Ratio Lower Upper
74 100
45 90.3 45.7 137.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.641 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

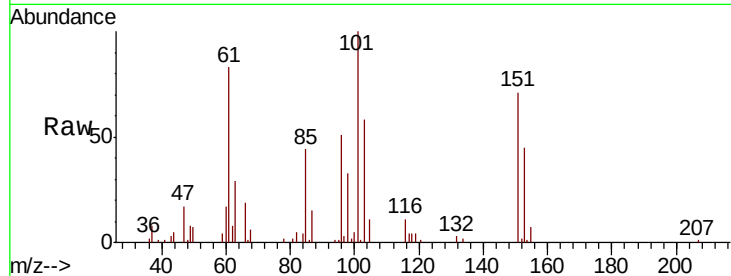
Tot Ion:101 Resp: 49423

Ion Ratio Lower Upper

101 100

85 44.1 36.6 55.0

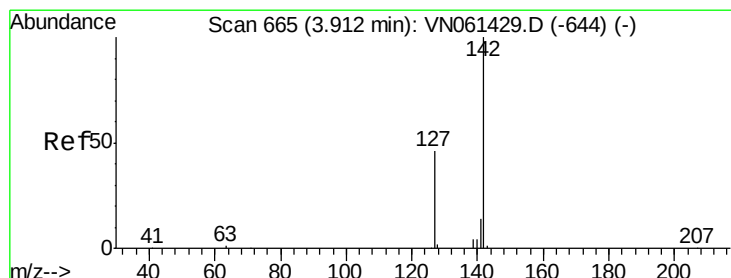
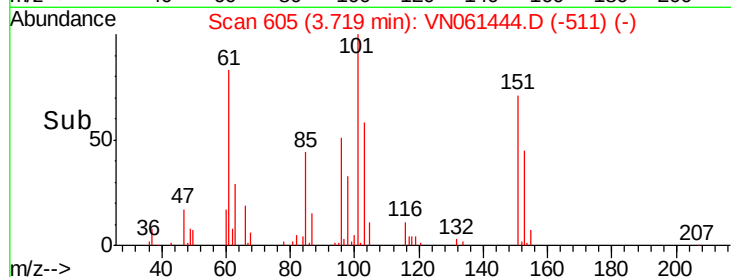
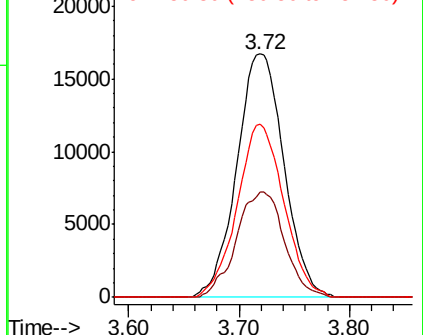
151 70.5 56.3 84.5



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: 18.204 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

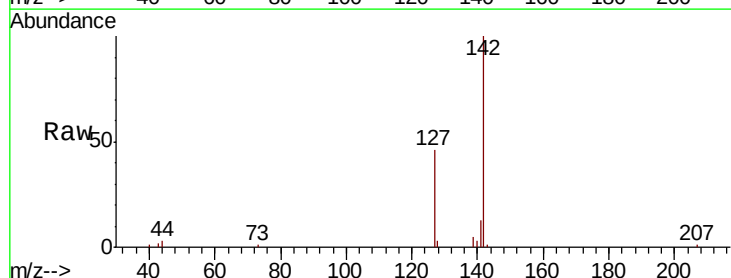
Tgt Ion:142 Resp: 61947

Ion Ratio Lower Upper

142 100

127 45.5 36.7 55.1

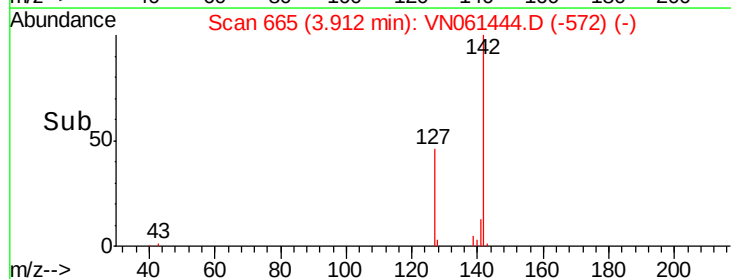
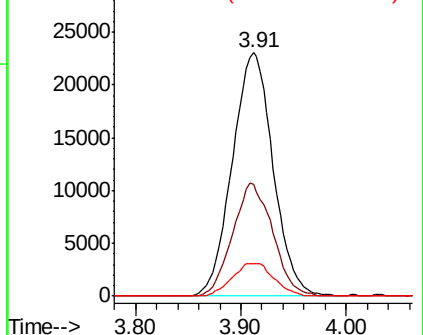
141 13.8 11.5 17.3

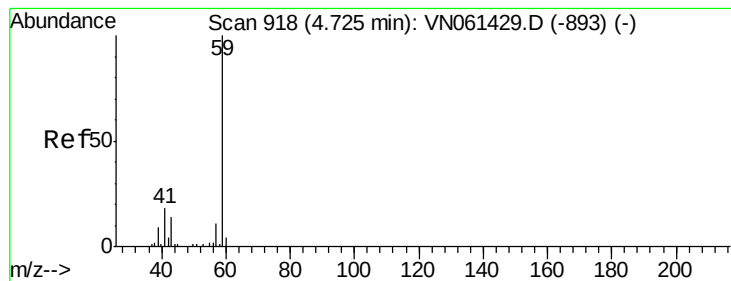


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 90.621 ug/l

RT: 4.73 min Scan# 919

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

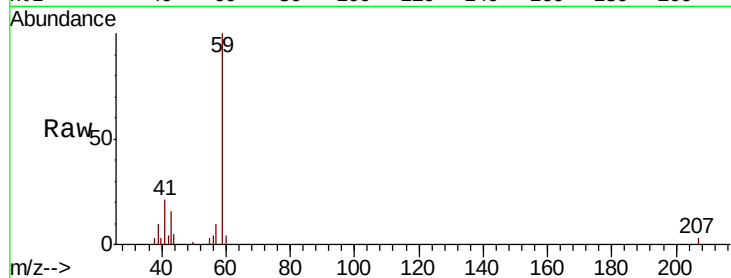
ClientSampled :

Tot Ion: 59 Resp: 44555

Ion Ratio Lower Upper

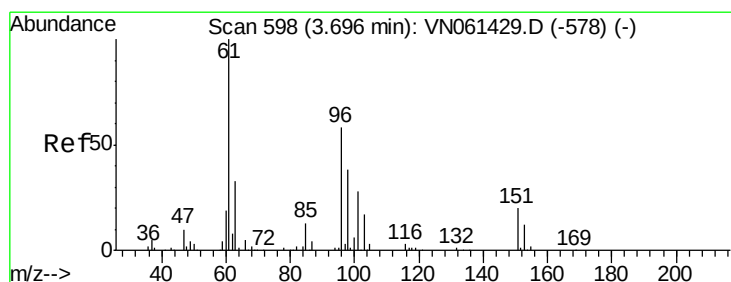
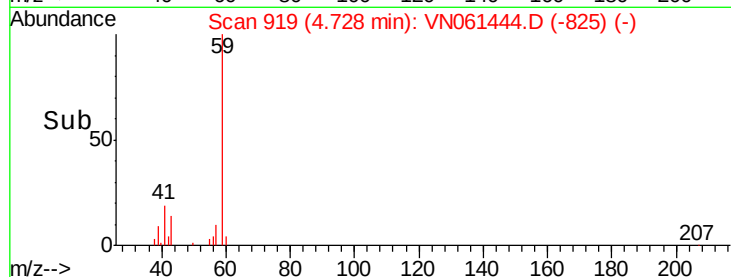
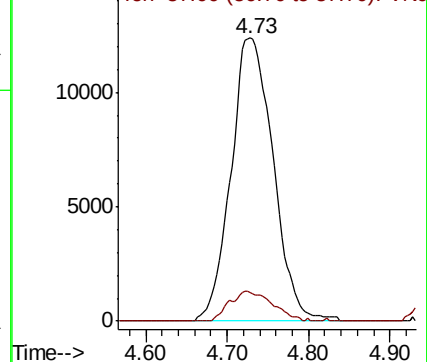
59 100

57 10.7 8.2 12.2



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 17.403 ug/l

RT: 3.70 min Scan# 599

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

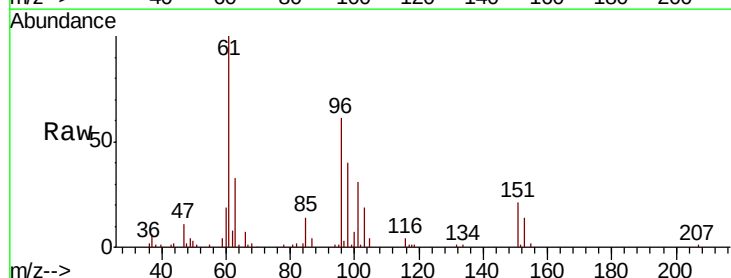
Tgt Ion: 96 Resp: 51002

Ion Ratio Lower Upper

96 100

61 164.3 138.7 208.1

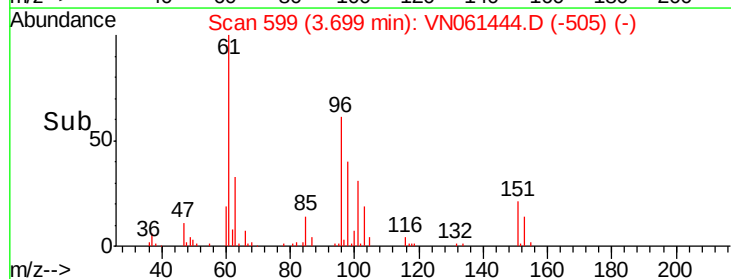
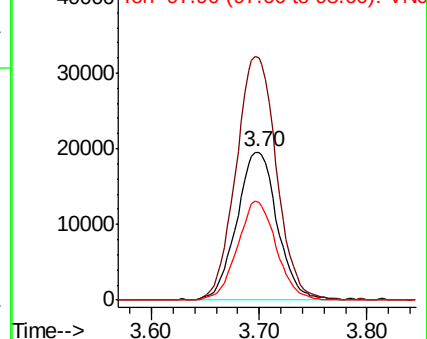
98 65.9 53.0 79.6

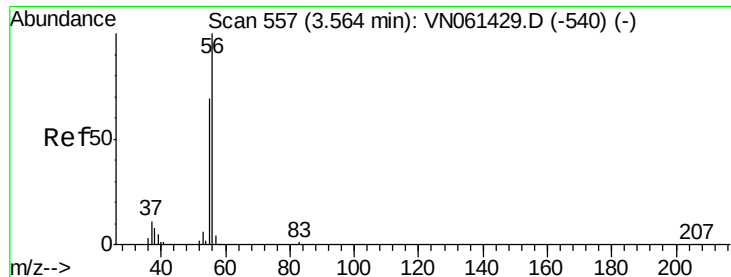


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 68.991 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

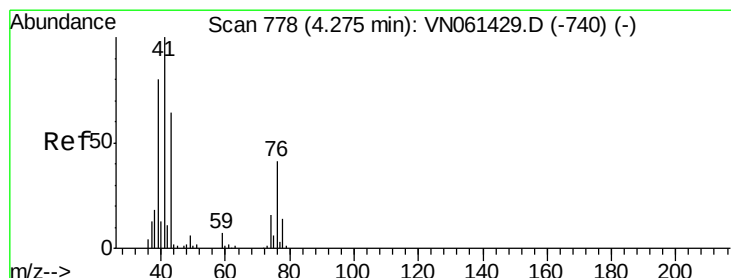
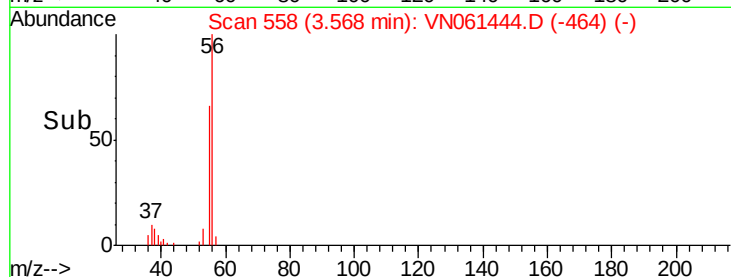
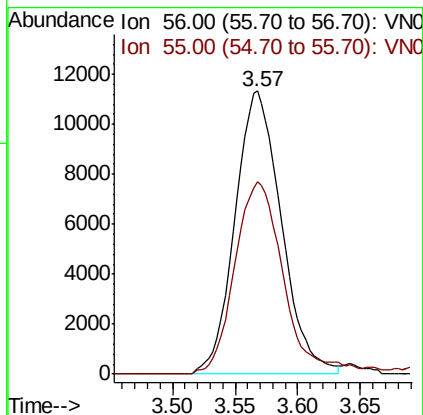
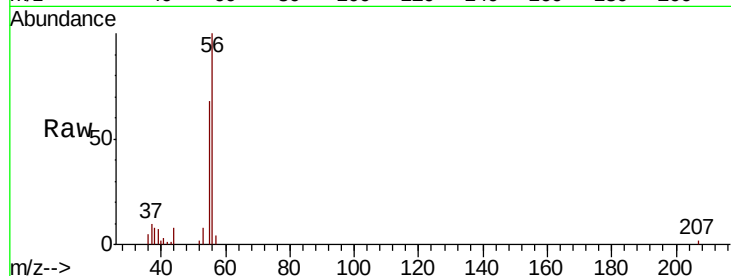
ClientSampleId :

Tot Ion: 56 Resp: 29096

Ion Ratio Lower Upper

56 100

55 71.3 54.8 82.2



#14

Allyl chloride

Concen: 17.893 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

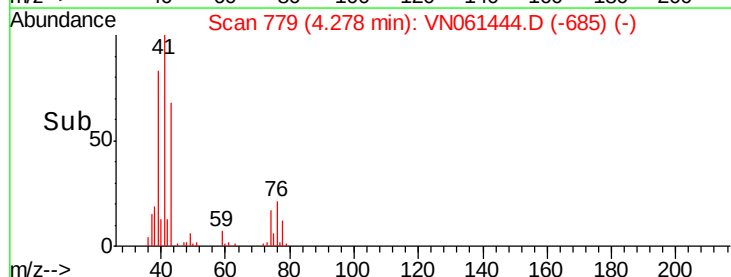
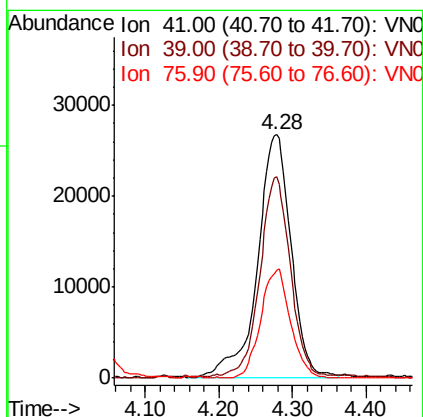
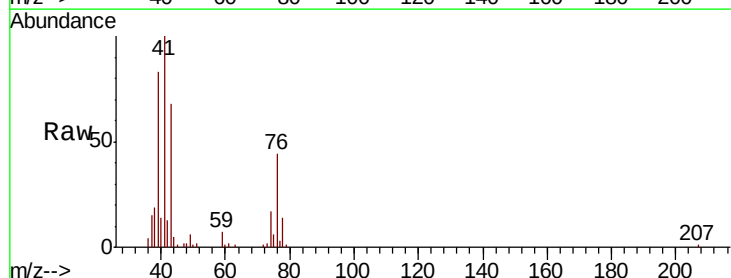
Tgt Ion: 41 Resp: 85338

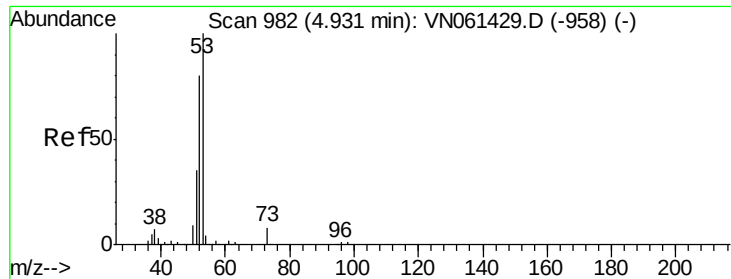
Ion Ratio Lower Upper

41 100

39 72.1 61.2 91.8

76 39.4 29.9 44.9





#15

Acrylonitrile

Concen: 90.650 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampled :

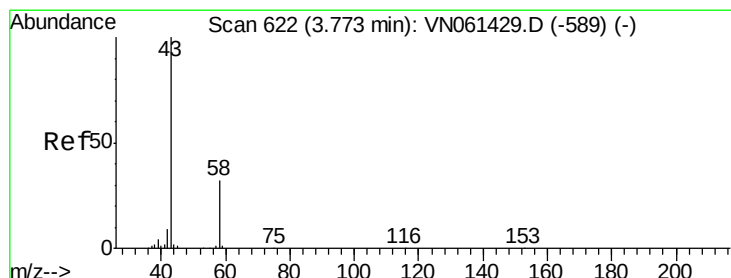
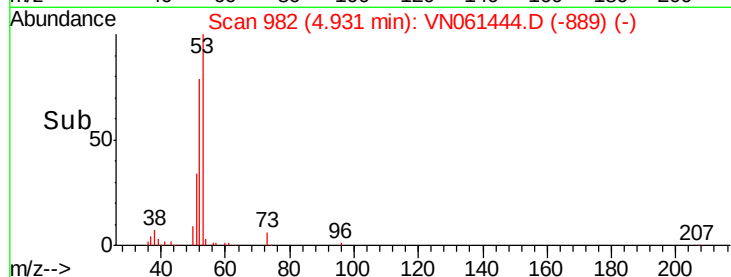
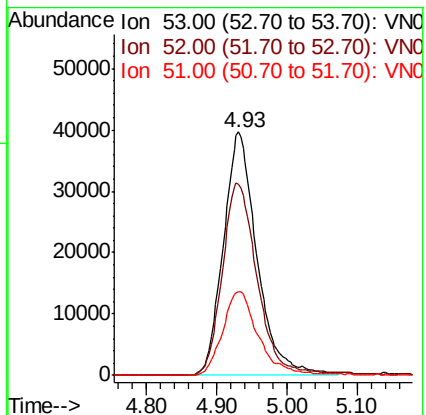
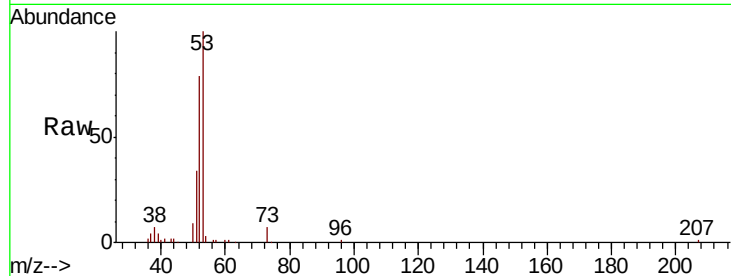
Tot Ion: 53 Resp: 132043

Ion Ratio Lower Upper

53 100

52 81.8 64.7 97.1

51 36.5 29.5 44.3



#16

Acetone

Concen: 81.760 ug/l

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061444.D

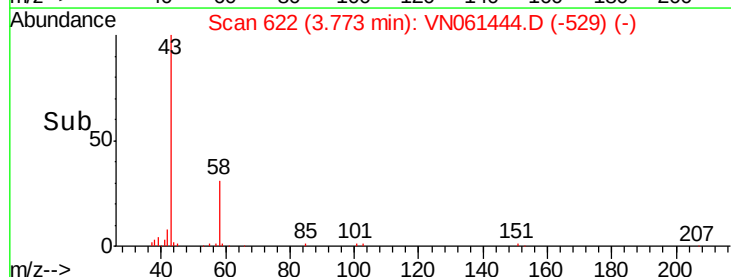
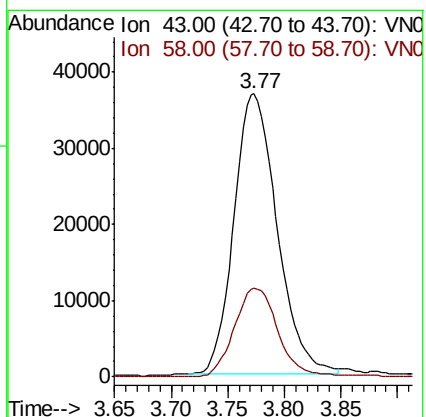
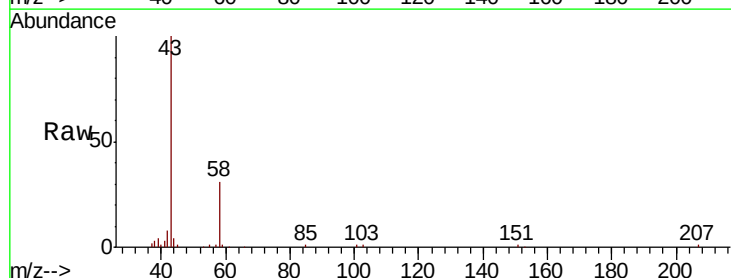
Acq: 18 May 2020 19:00

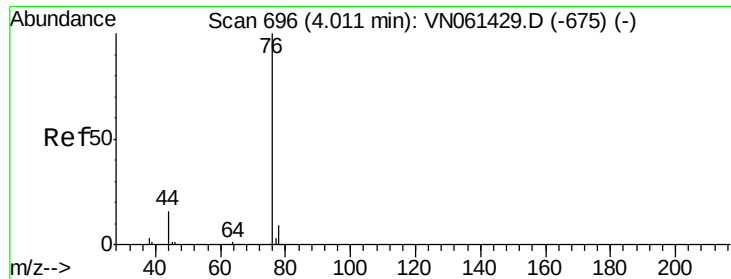
Tgt Ion: 43 Resp: 97658

Ion Ratio Lower Upper

43 100

58 31.5 25.6 38.4

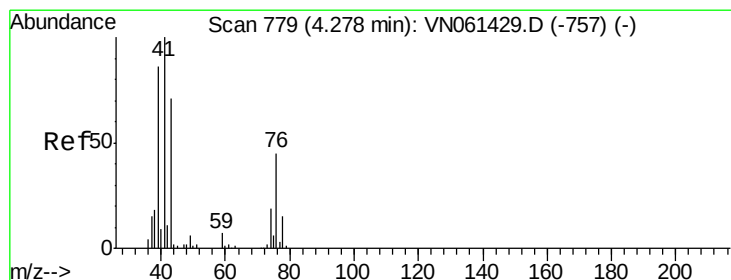
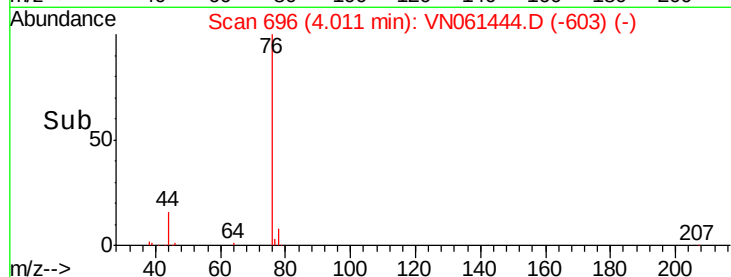
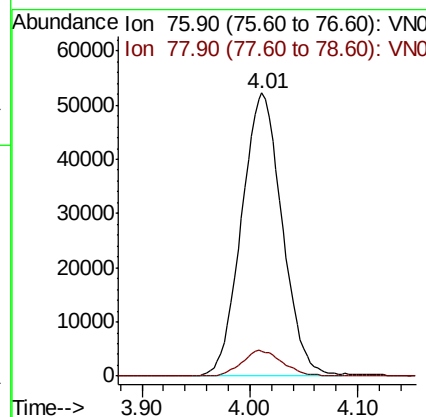
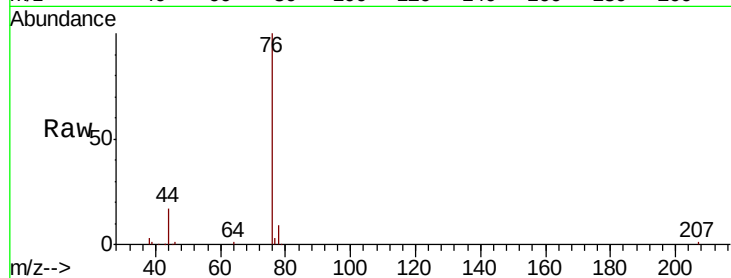




#17
Carbon Disulfide
Concen: 19.792 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

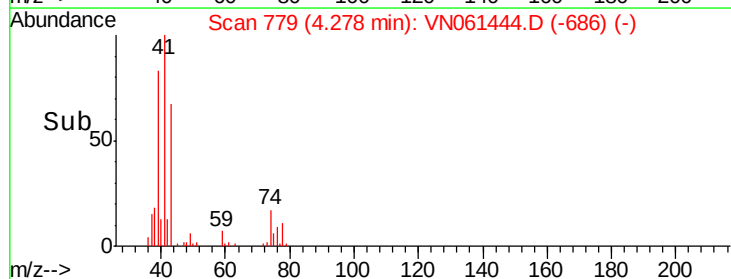
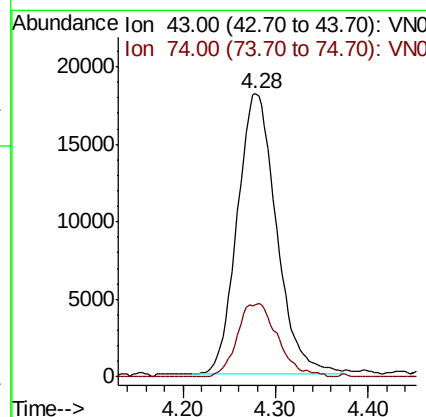
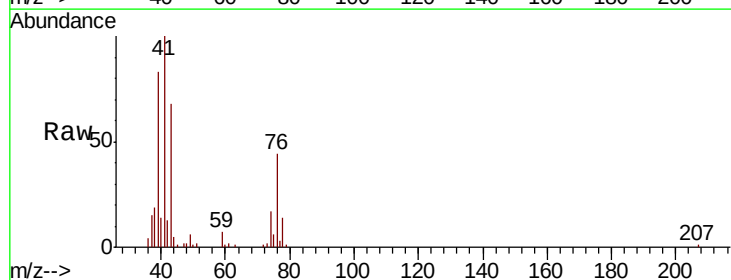
Instrument :
MSVOA_N
ClientSampled :

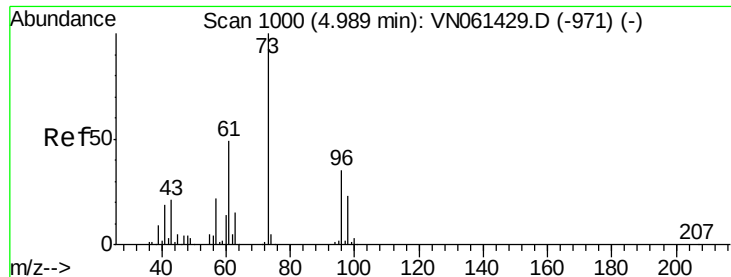
Tot Ion: 76 Resp: 136609
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



#18
Methyl Acetate
Concen: 17.392 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 43 Resp: 52936
Ion Ratio Lower Upper
43 100
74 27.1 20.8 31.2

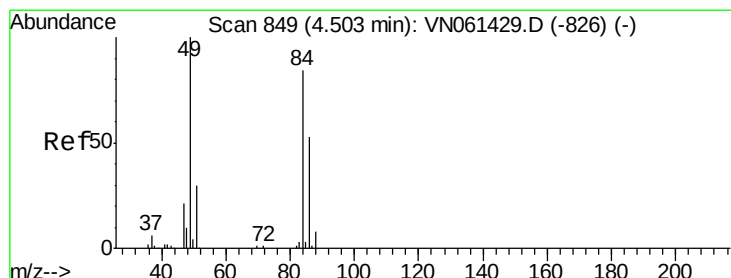
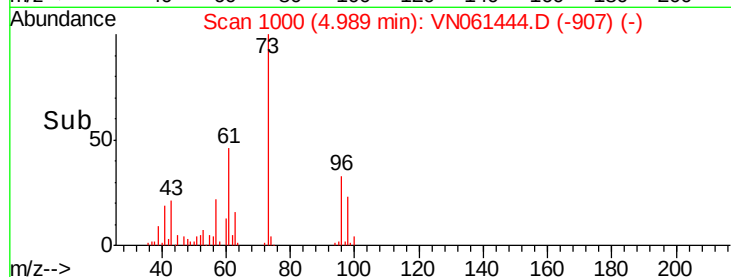
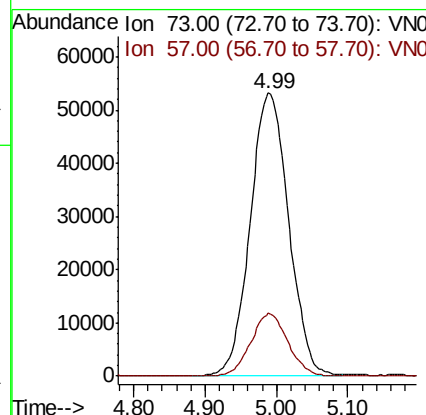
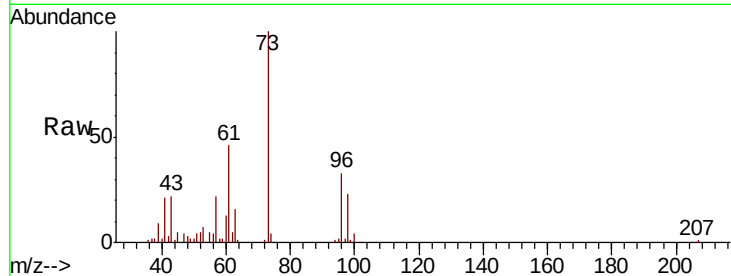




#19
Methvl tert-butyl Ether
Concen: 17.941 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

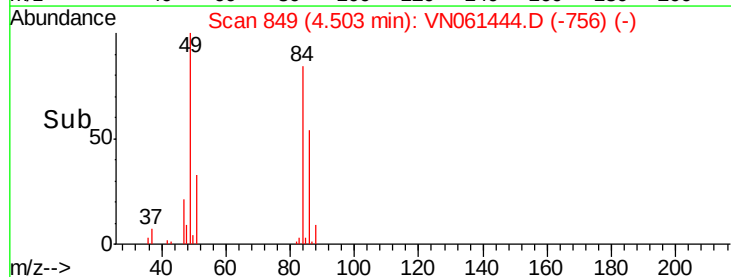
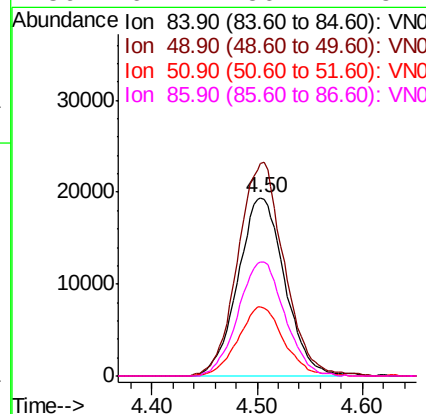
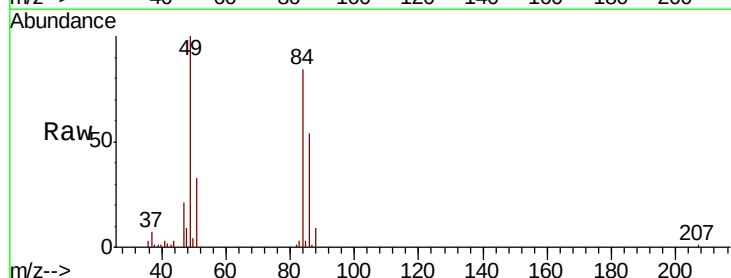
Instrument :
MSVOA_N
ClientSampleId :

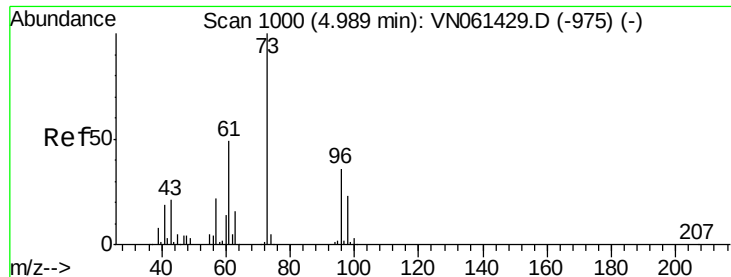
Tot Ion: 73 Resp: 199532
Ion Ratio Lower Upper
73 100
57 22.2 17.4 26.0



#20
Methylene Chloride
Concen: 17.004 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 84 Resp: 59632
Ion Ratio Lower Upper
84 100
49 118.3 95.3 142.9
51 39.0 29.0 43.6
86 64.2 50.2 75.2

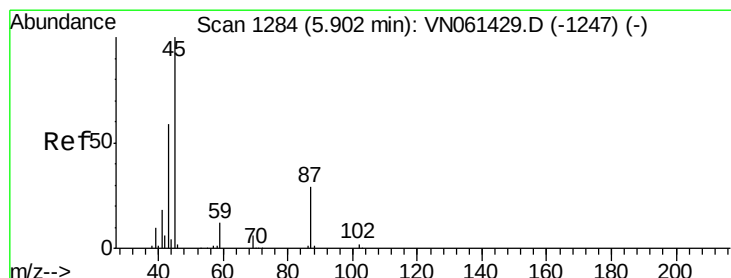
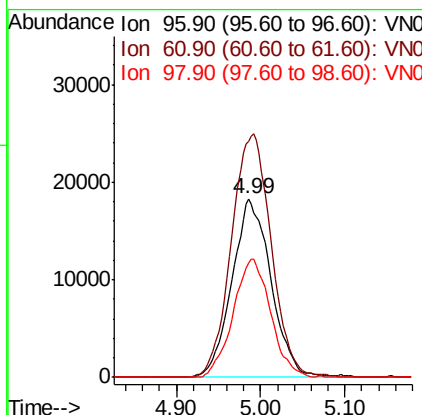
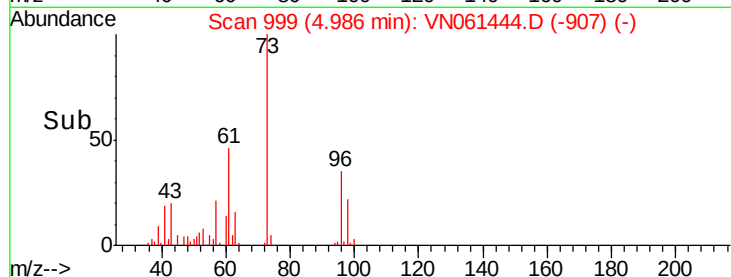
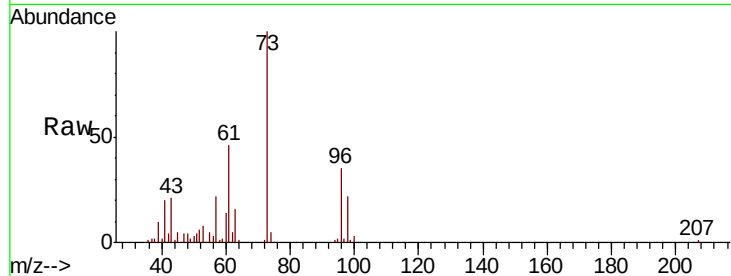




#21
trans-1,2-Dichloroethene
Concen: 17.448 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

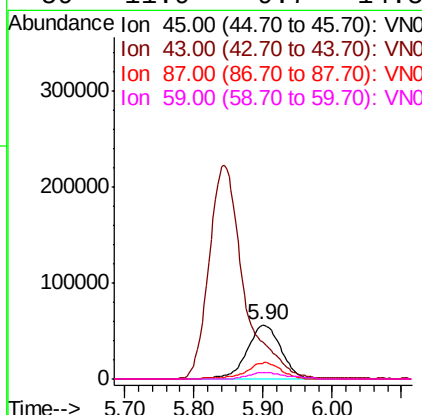
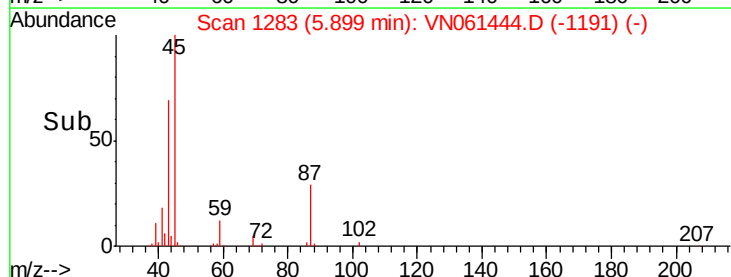
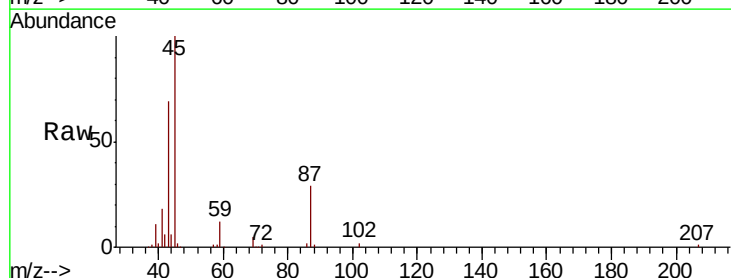
Instrument :
MSVOA_N
ClientSampleId :

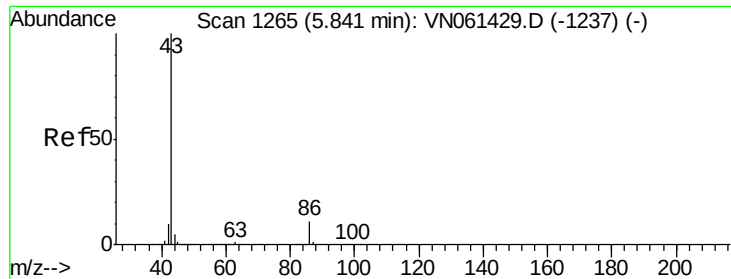
Tot Ion: 96 Resp: 58962
Ion Ratio Lower Upper
96 100
61 131.9 109.8 164.6
98 63.6 52.4 78.6



#22
Diisopropyl ether
Concen: 17.810 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 45 Resp: 190878
Ion Ratio Lower Upper
45 100
43 66.3 47.9 71.9
87 29.1 24.0 36.0
59 11.9 9.7 14.5





#23

Vinyl Acetate

Concen: 90.733 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

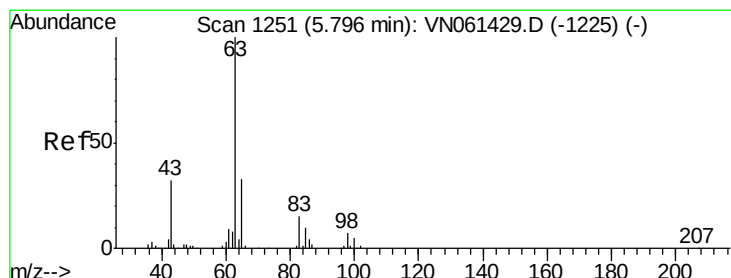
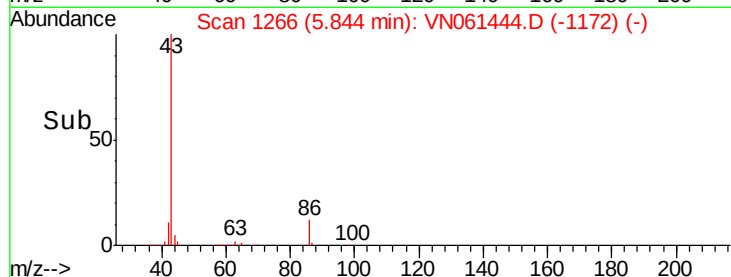
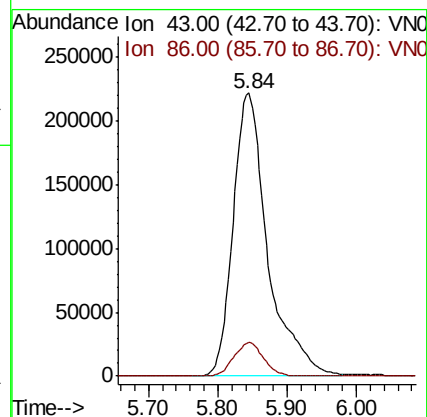
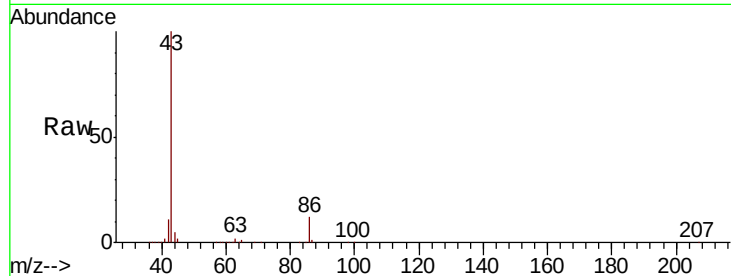
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 773283

Ion Ratio Lower Upper

43 100

86 12.0 9.1 13.7



#24

1,1-Dichloroethane

Concen: 18.164 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

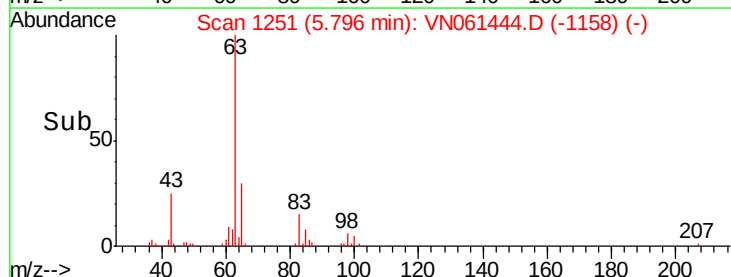
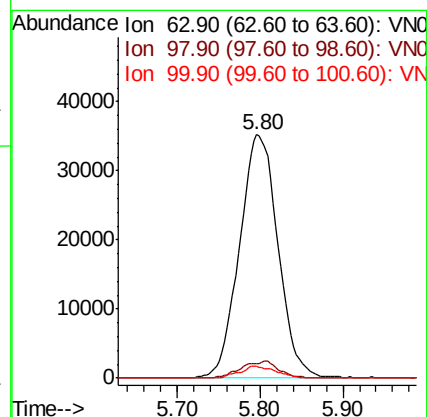
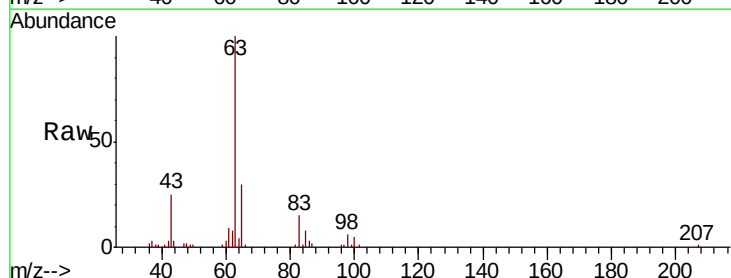
Tgt Ion: 63 Resp: 113545

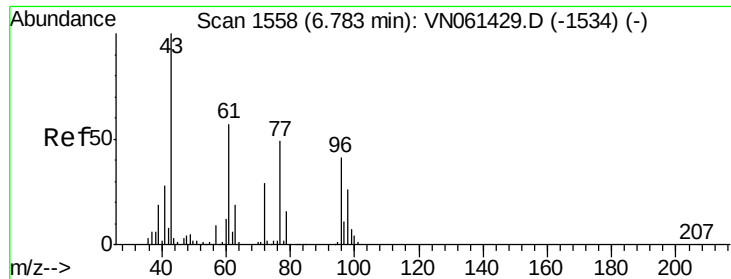
Ion Ratio Lower Upper

63 100

98 6.1 3.5 10.5

100 4.8 2.3 6.9





#25

2-Butanone

Concen: 88.229 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

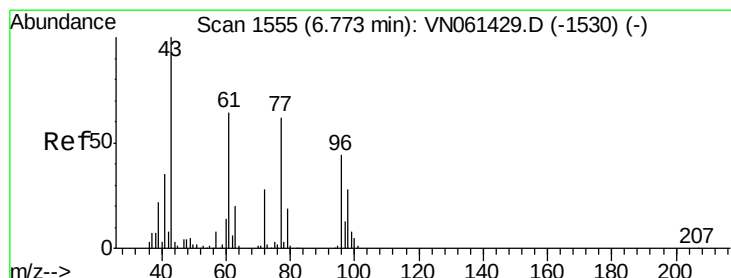
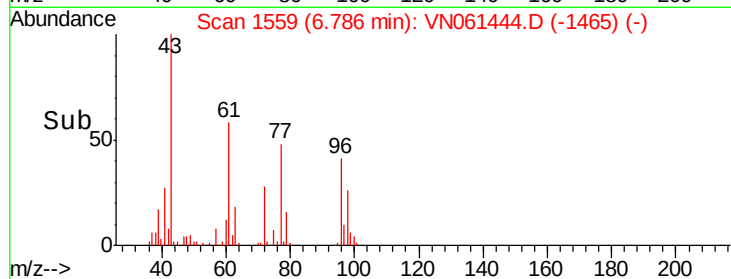
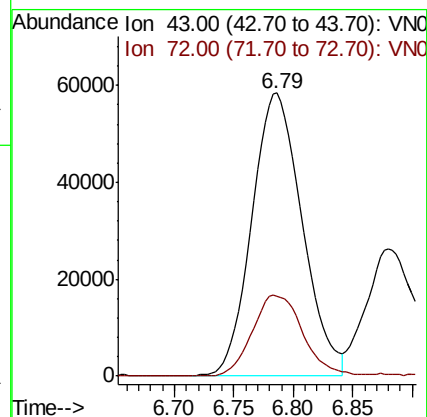
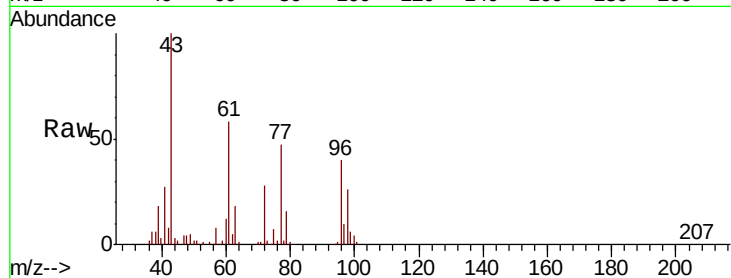
ClientSampled :

Tot Ion: 43 Resp: 171414

Ion Ratio Lower Upper

43 100

72 28.3 23.0 34.6



#26

2,2-Dichloropropane

Concen: 17.066 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN061444.D

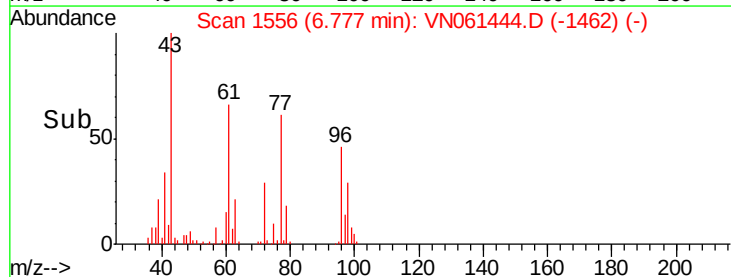
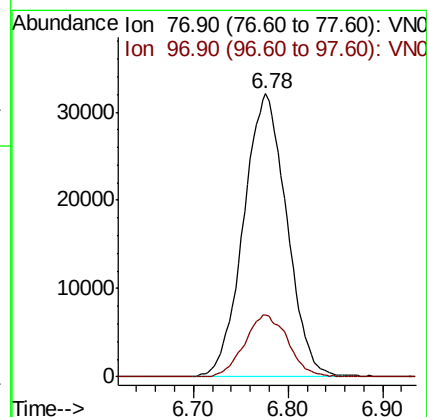
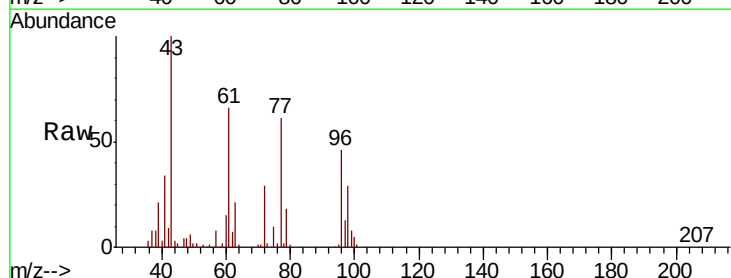
Acq: 18 May 2020 19:00

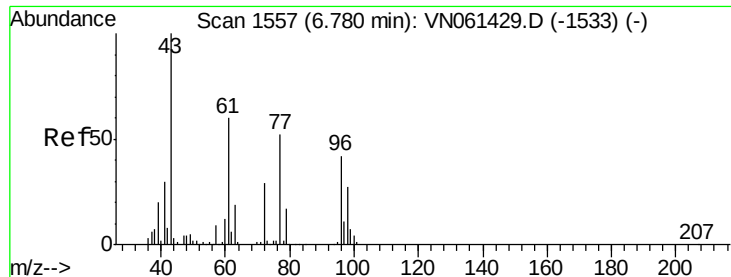
Tgt Ion: 77 Resp: 101702

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 18.162 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampled :

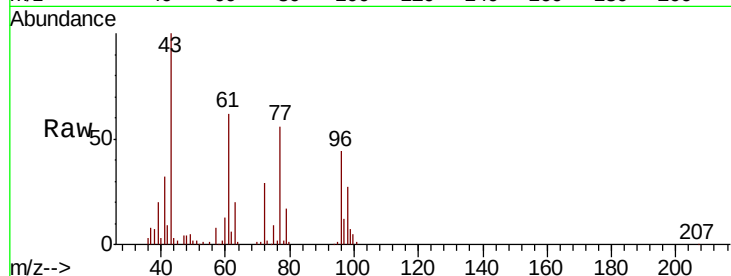
Tot Ion: 96 Resp: 72499

Ion Ratio Lower Upper

96 100

61 144.0 0.0 294.2

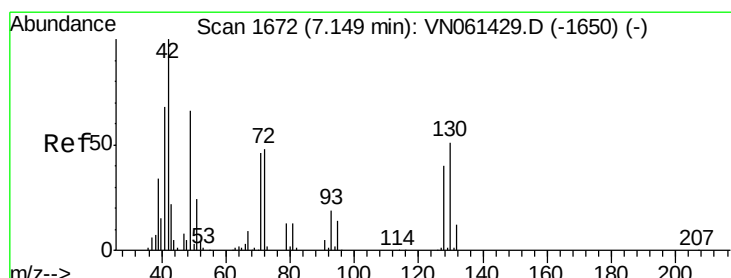
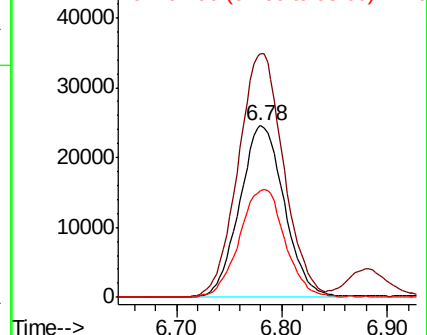
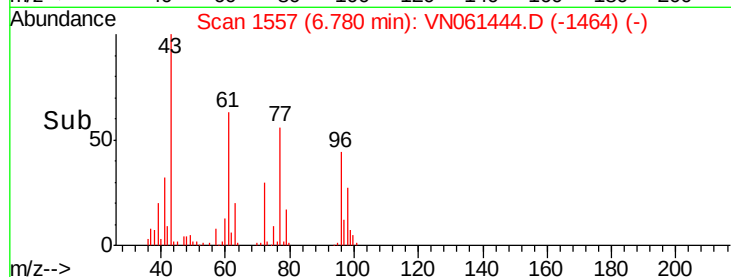
98 63.9 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN061444.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN061444.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN061444.D (-1464) (-)



#28

Bromochloromethane

Concen: 19.536 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

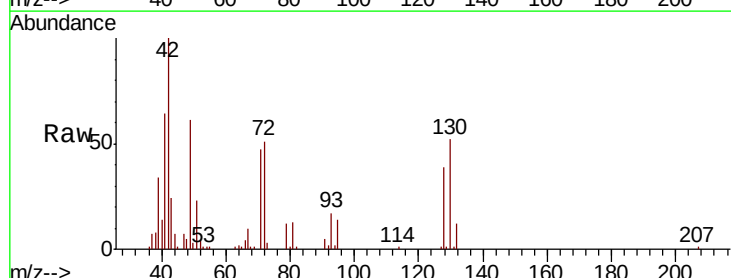
Tgt Ion: 49 Resp: 51837

Ion Ratio Lower Upper

49 100

129 1.9 0.0 4.6

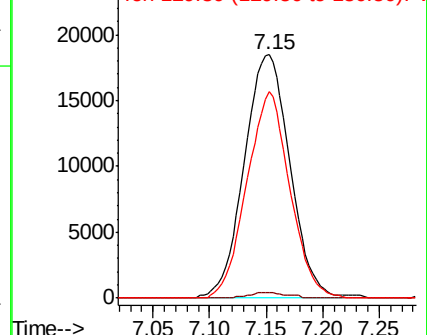
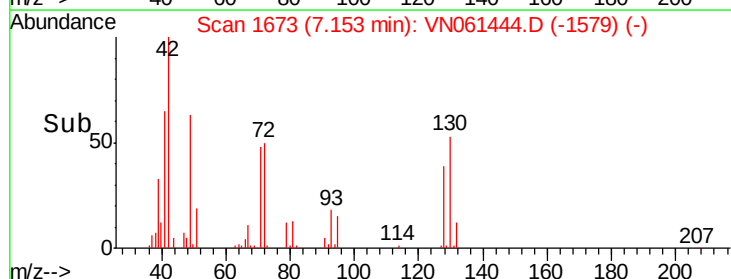
130 79.7 62.2 93.2

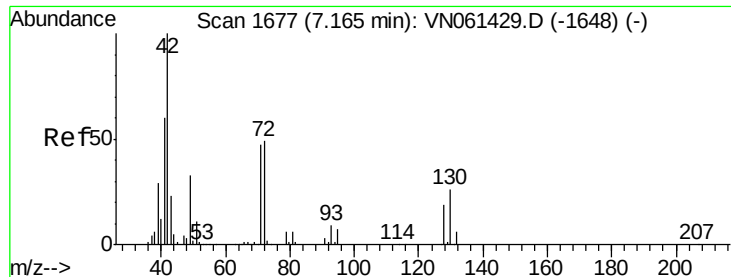


Abundance Ion 48.90 (48.60 to 49.60): VN061444.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061444.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061444.D (-1579) (-)

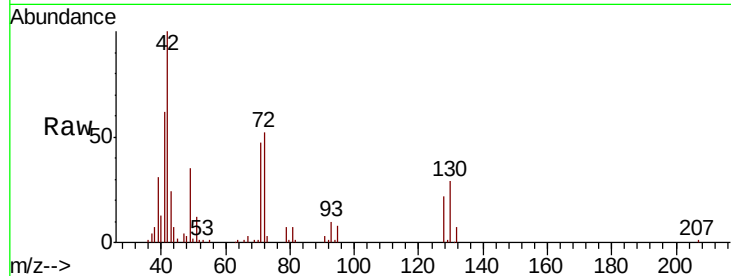




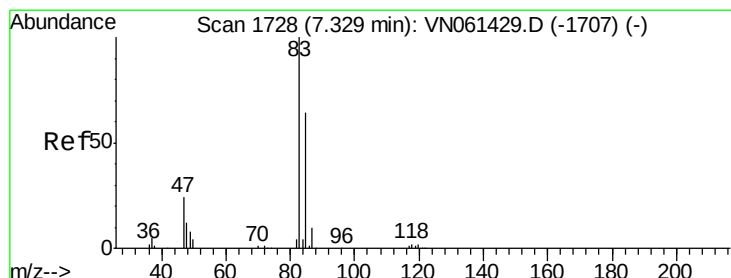
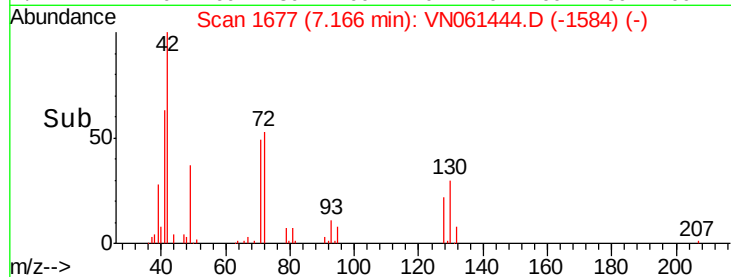
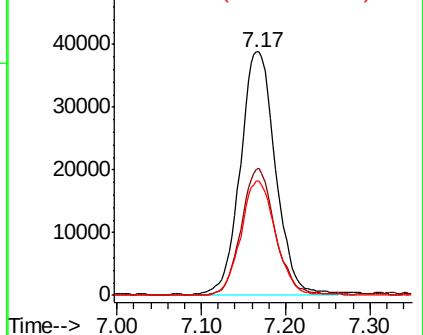
#29
Tetrahydrofuran
Concen: 88.049 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 113291
Ion Ratio Lower Upper
42 100
72 49.9 39.0 58.6
71 45.9 36.9 55.3

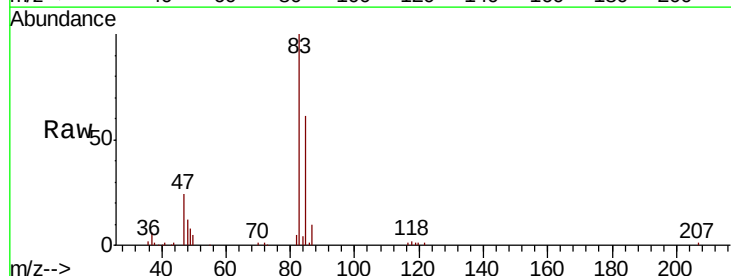


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

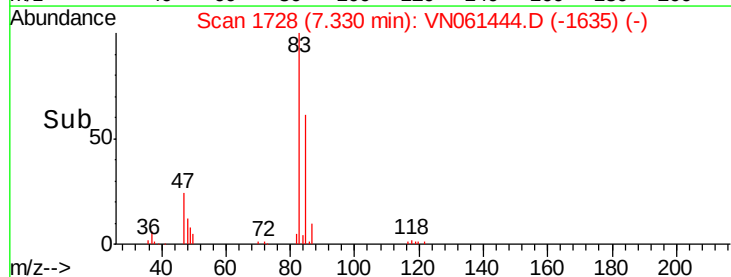
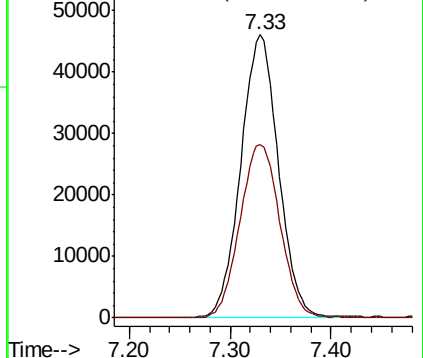


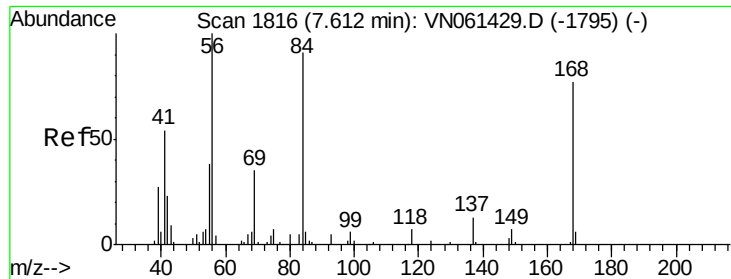
#30
Chloroform
Concen: 18.252 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 83 Resp: 119168
Ion Ratio Lower Upper
83 100
85 61.3 51.0 76.4



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

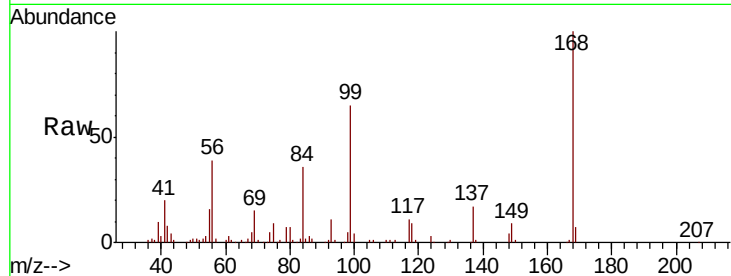




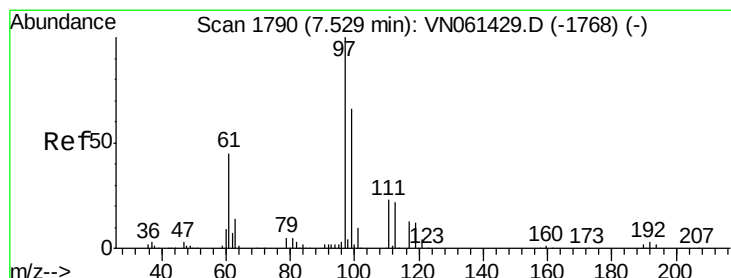
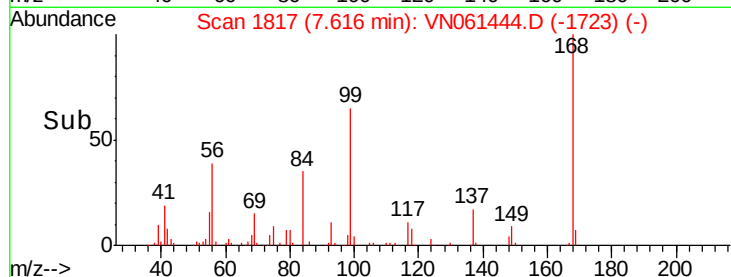
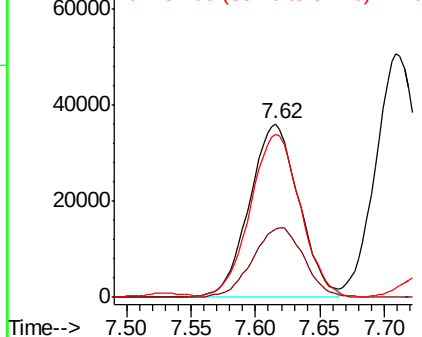
#31
Cyclohexane
Concen: 15.456 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	56	Resp	96357
Ion Ratio	100	Lower	Upper
56	100		
69	39.4	27.8	41.6
84	92.8	72.7	109.1

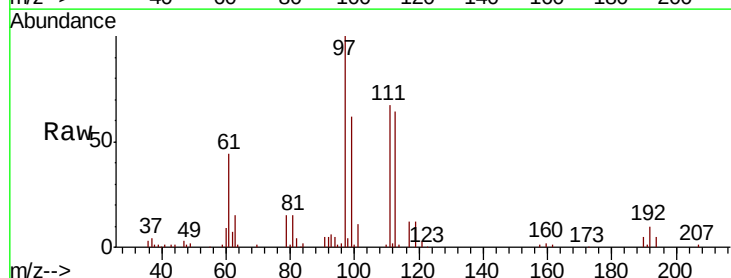


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

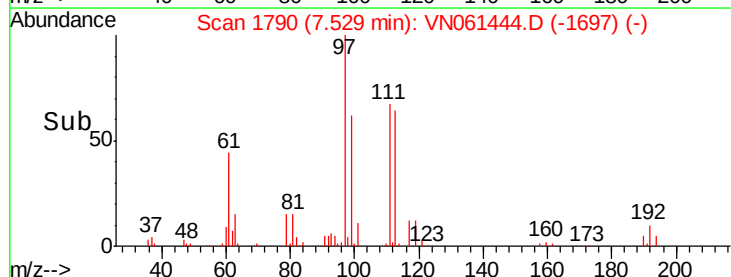
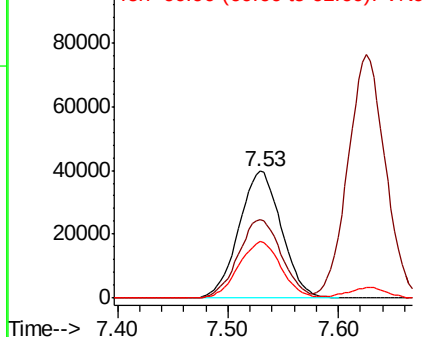


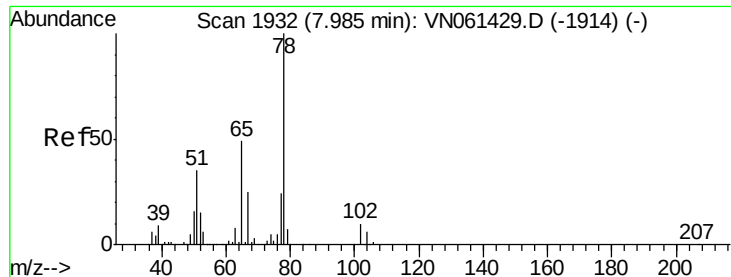
#32
1,1,1-Trichloroethane
Concen: 17.756 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion	97	Resp	105937
Ion Ratio	100	Lower	Upper
97	100		
99	62.8	51.5	77.3
61	44.3	35.8	53.6



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

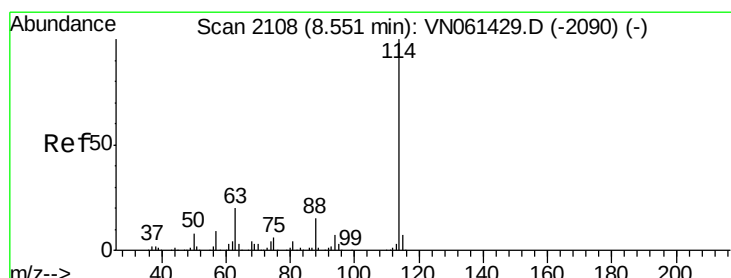
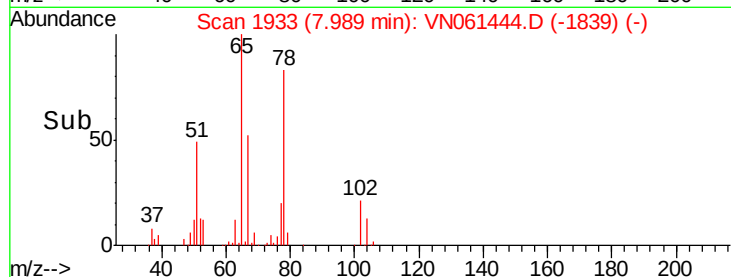
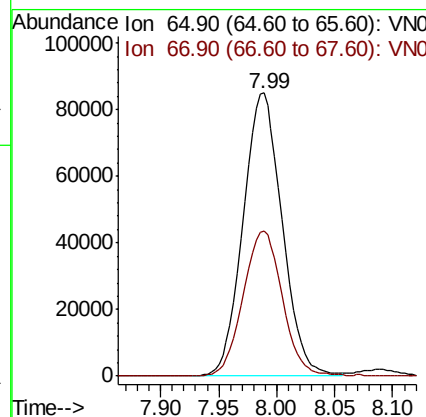
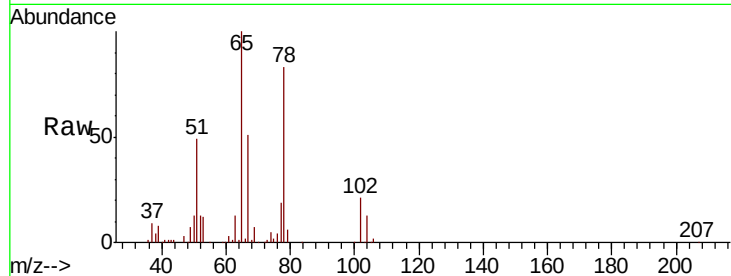




#33
 1,2-Dichloroethane-d4
 Concen: 46.666 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

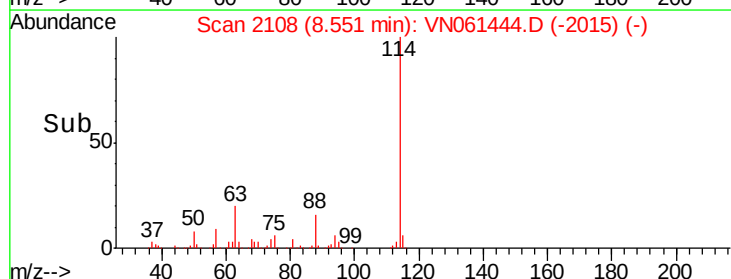
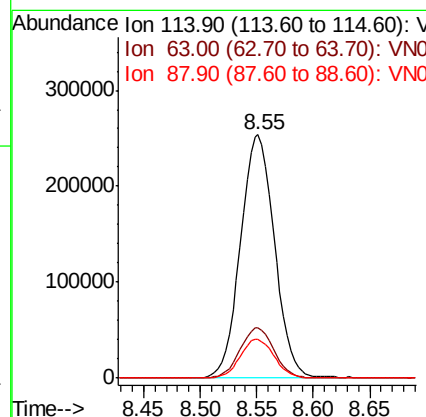
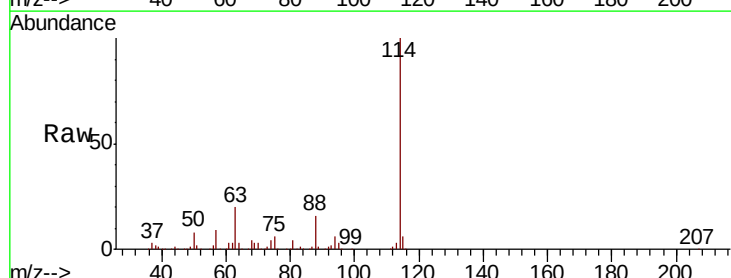
Instrument :
 MSVOA_N
 ClientSampleId :

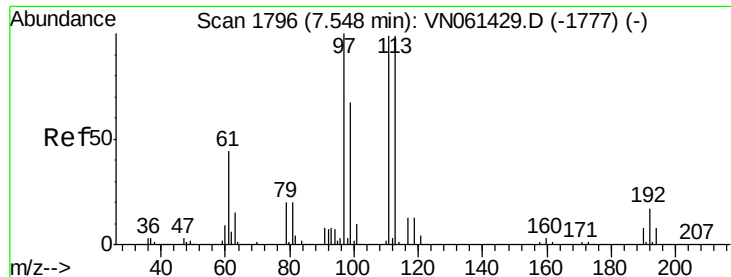
Tot Ion: 65 Resp: 199127
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion: 114 Resp: 530906
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 16.0 0.0 30.8

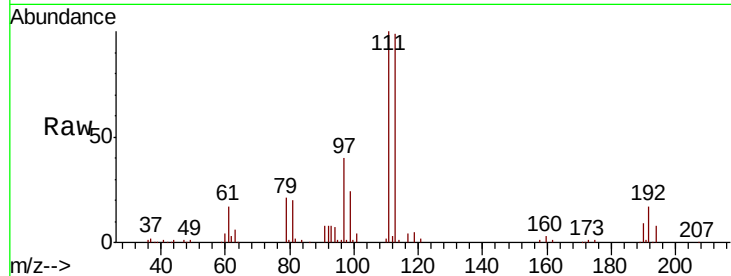




#35
 Dibromofluoromethane
 Concen: 50.842 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.6	121.0
192	17.5	13.2	19.8

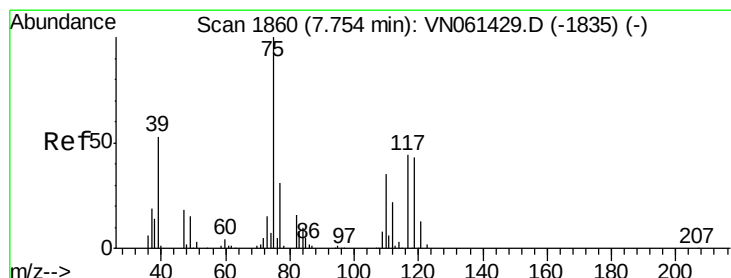
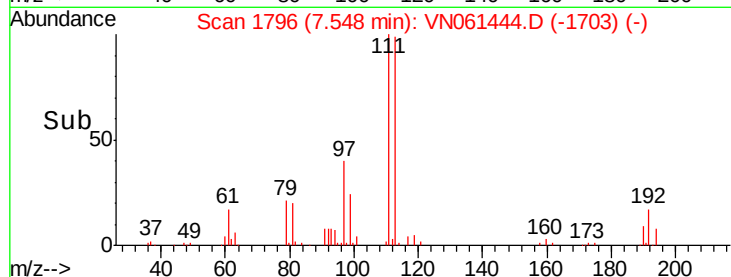
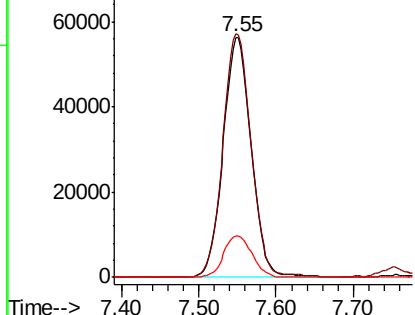


Abundance

Ion 112.80 (112.50 to 113.50): V

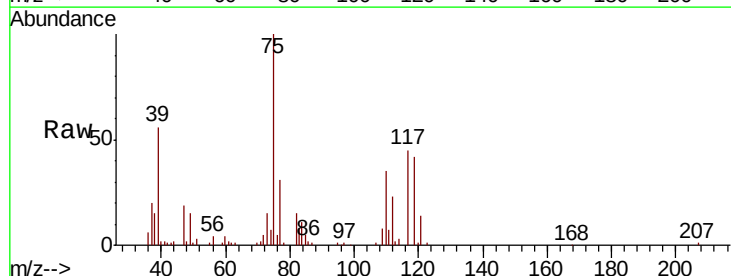
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 17.067 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.3	51.9
77	31.8	24.9	37.3

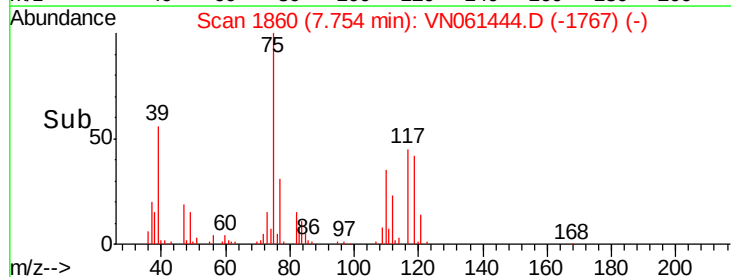
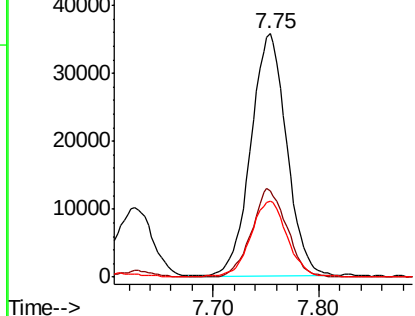


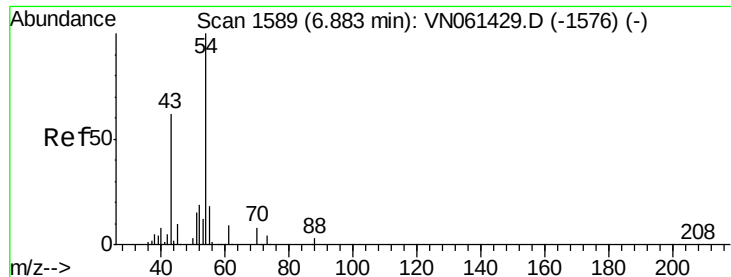
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

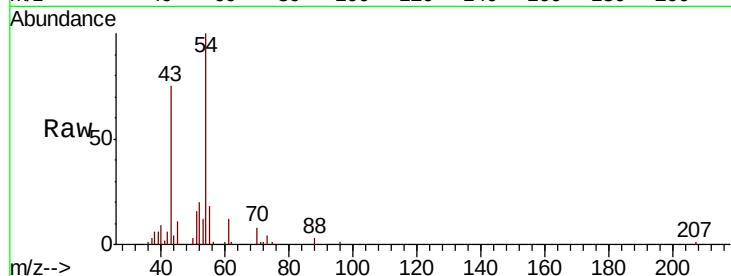




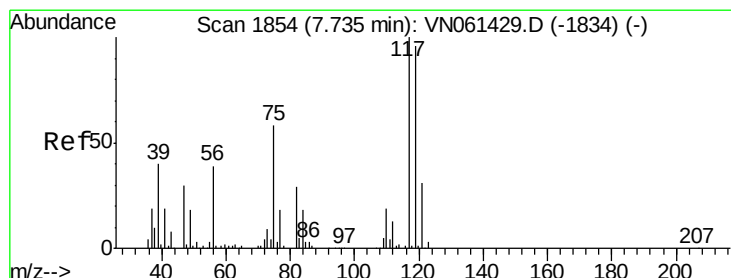
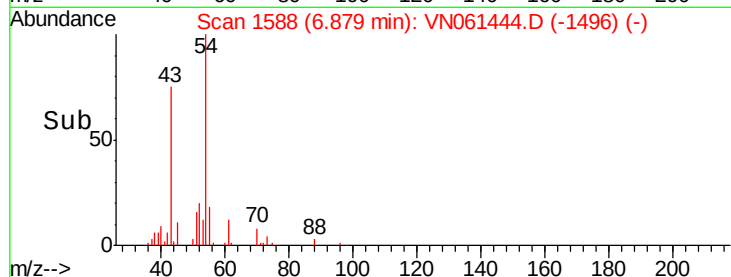
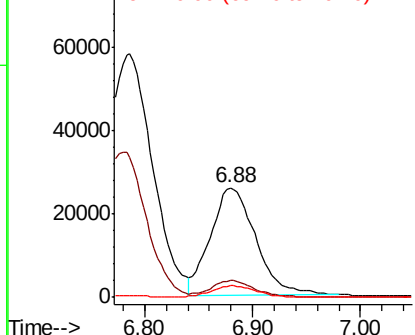
#37
Ethyl Acetate
Concen: 16.898 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 76074
Ion Ratio Lower Upper
43 100
61 15.2 11.7 17.5
70 10.7 9.2 13.8

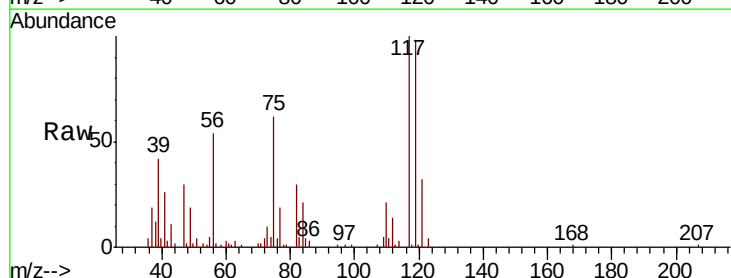


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

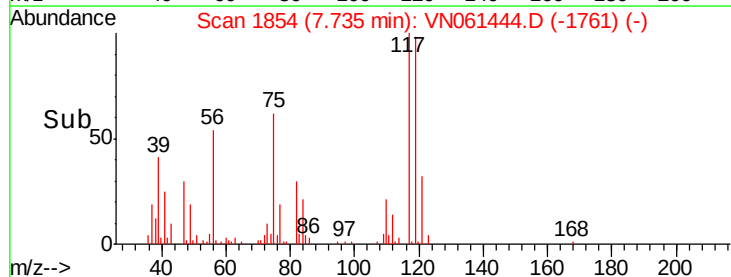
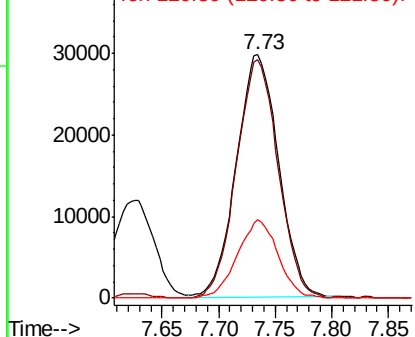


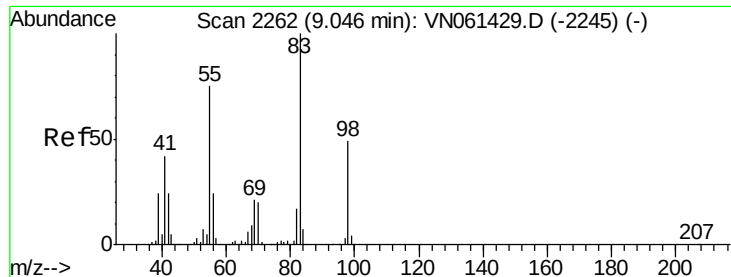
#38
Carbon Tetrachloride
Concen: 16.876 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 117 Resp: 77142
Ion Ratio Lower Upper
117 100
119 98.8 77.0 115.6
121 32.2 24.7 37.1



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

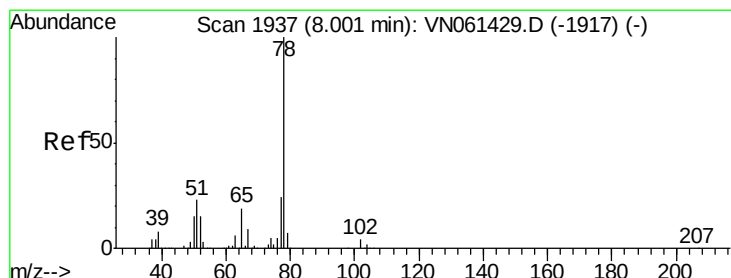
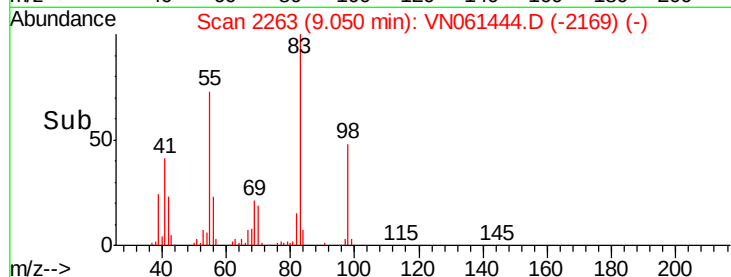
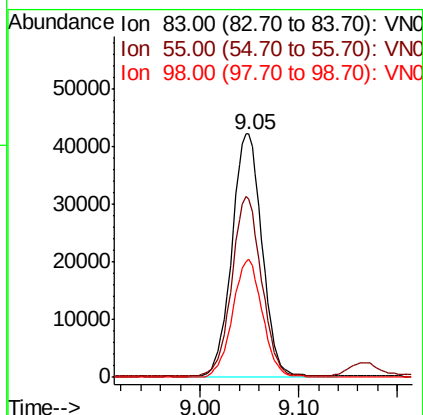
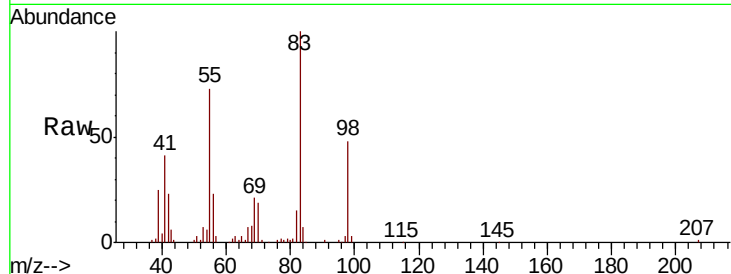




#39
Methylvlcyclohexane
Concen: 14.907 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

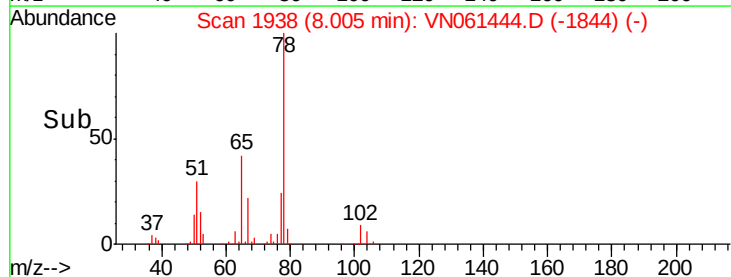
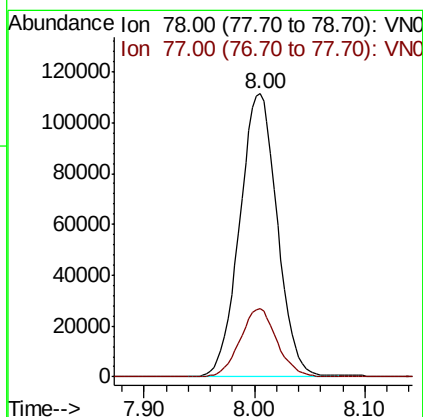
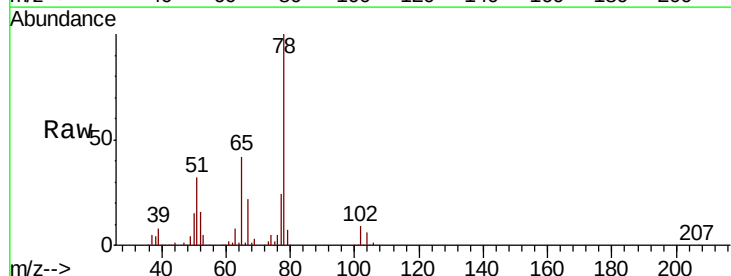
Instrument :
MSVOA_N
ClientSampleId :

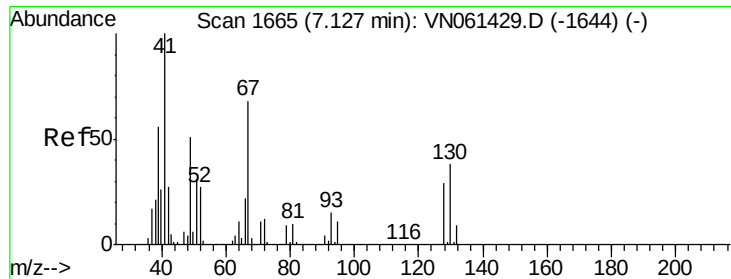
Tot Ion: 83 Resp: 90384
Ion Ratio Lower Upper
83 100
55 72.6 59.7 89.5
98 48.3 38.9 58.3



#40
Benzene
Concen: 17.579 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 78 Resp: 262988
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7

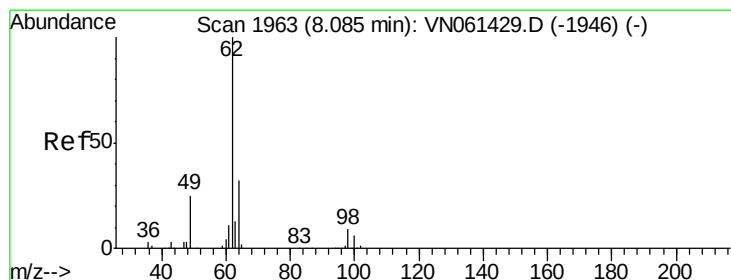
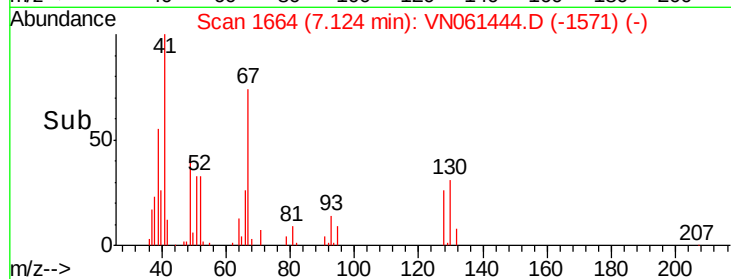
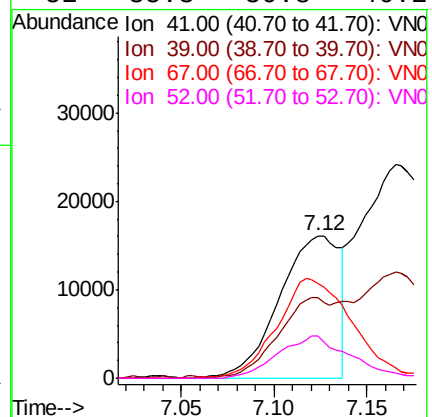
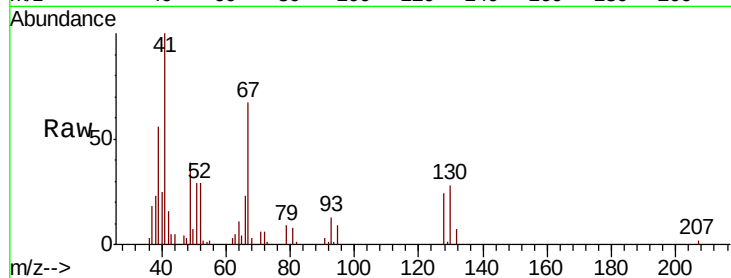




#41
Methacrylonitrile
Concen: 19.266 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

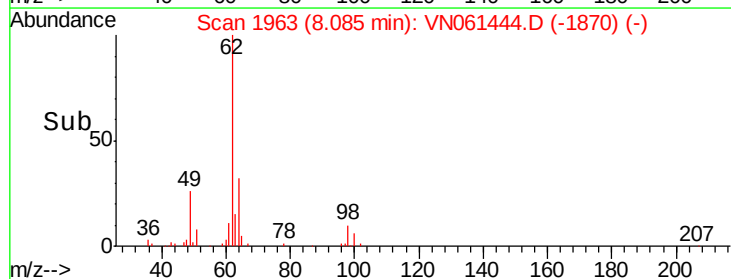
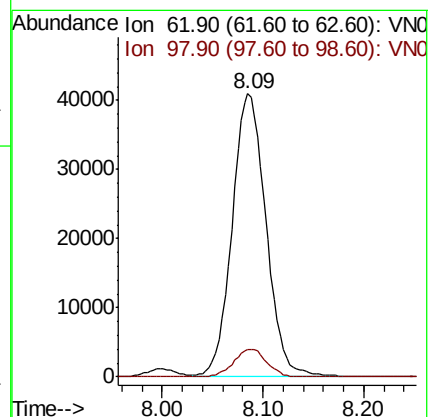
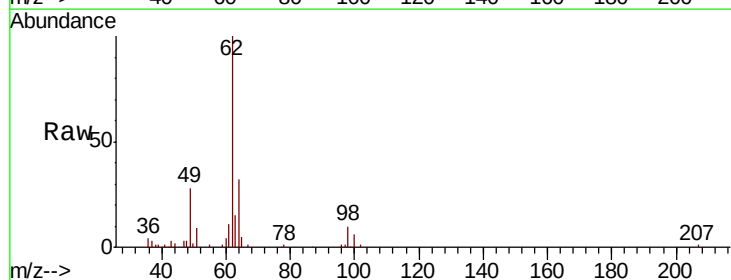
Instrument :
MSVOA_N
ClientSampleId :

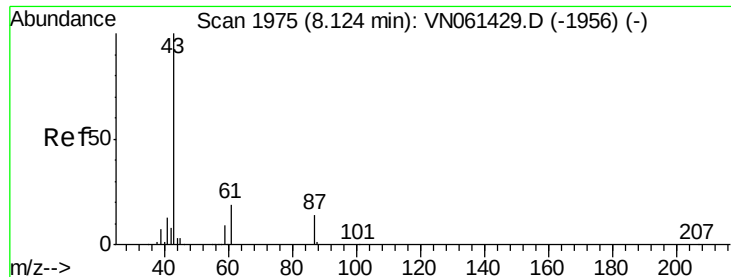
Tot Ion:	41	Resp:	36634
Ion	Ratio	Lower	Upper
41	100		
39	47.5	48.3	72.5#
67	87.6	74.2	111.4
52	35.3	30.8	46.2



#42
1,2-Dichloroethane
Concen: 17.768 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion:	62	Resp:	95765
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.4



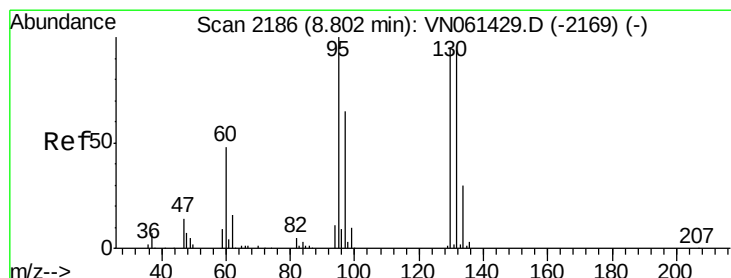
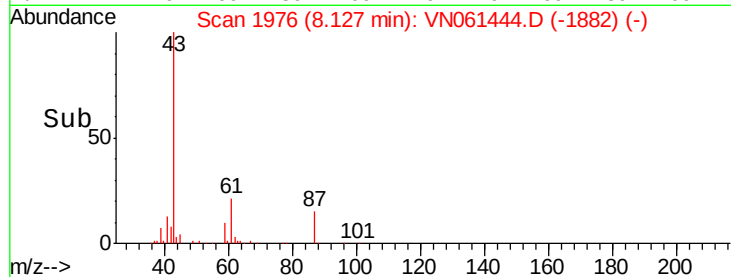
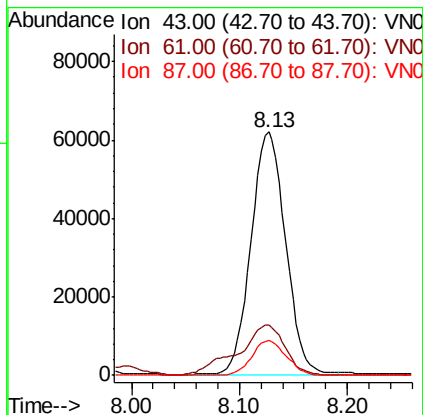
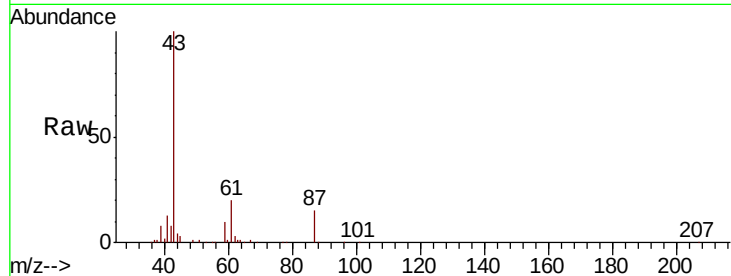


#43

Isopropyl Acetate
 Concen: 17.452 ug/l
 RT: 8.13 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :

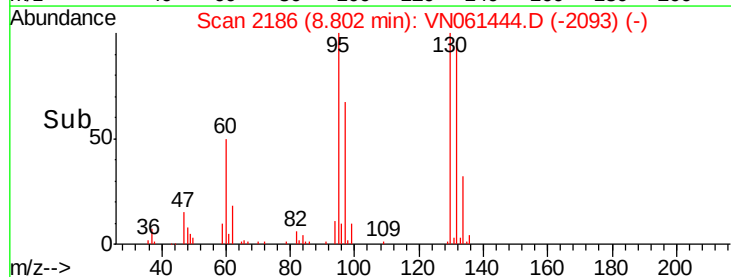
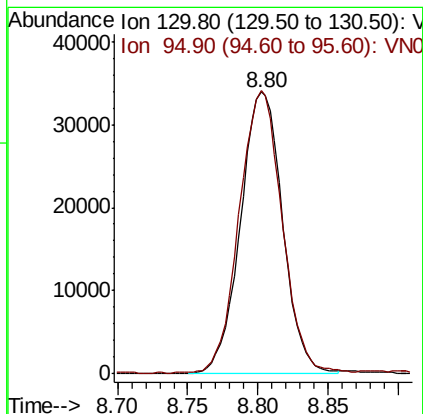
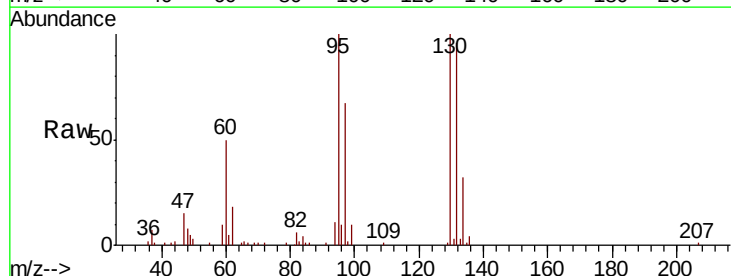
Tot Ion: 43 Resp: 137030
 Ion Ratio Lower Upper
 43 100
 61 28.6 23.0 34.4
 87 14.3 11.6 17.4

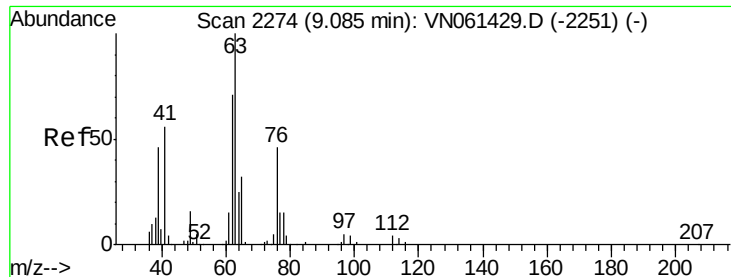


#44

Trichloroethene
 Concen: 18.085 ug/l
 RT: 8.80 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion: 130 Resp: 70891
 Ion Ratio Lower Upper
 130 100
 95 99.9 0.0 209.8

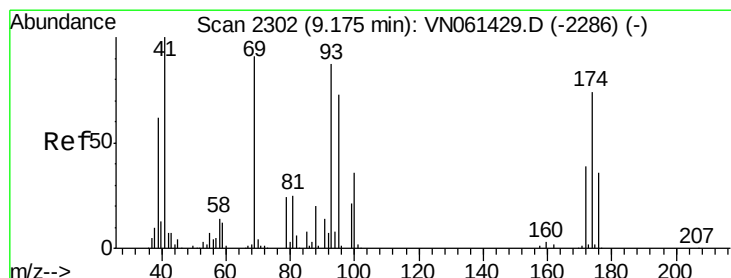
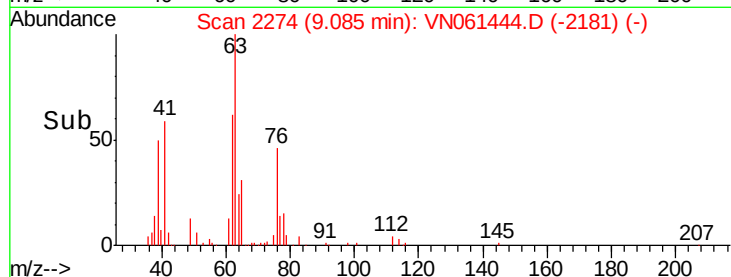
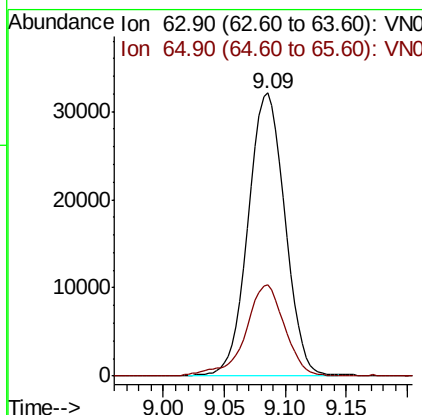
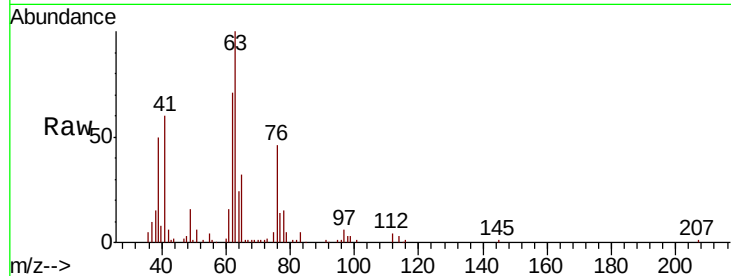




#45
 1,2-Dichloropropane
 Concen: 17.920 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

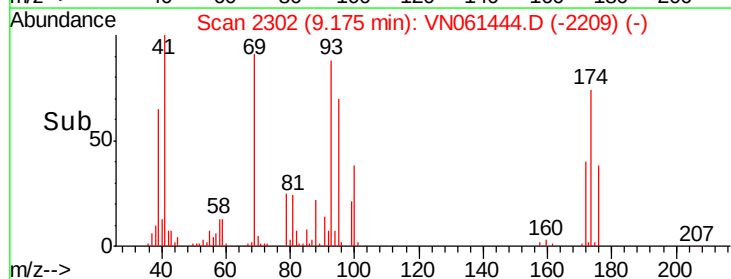
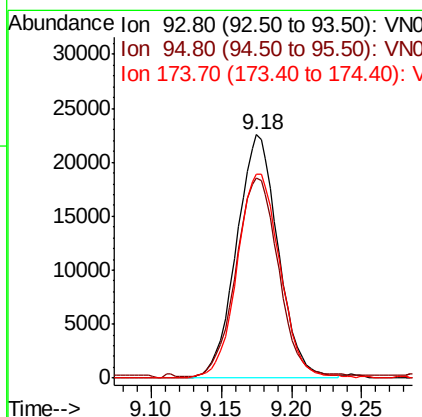
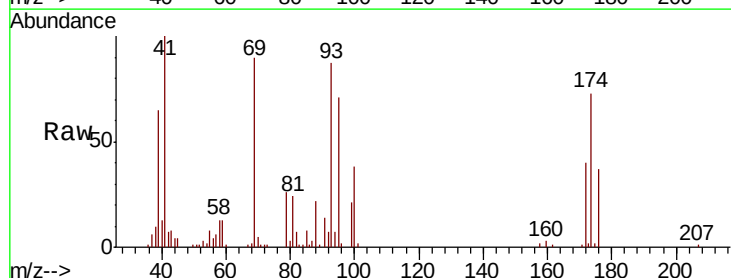
Instrument :
 MSVOA_N
 ClientSampled :

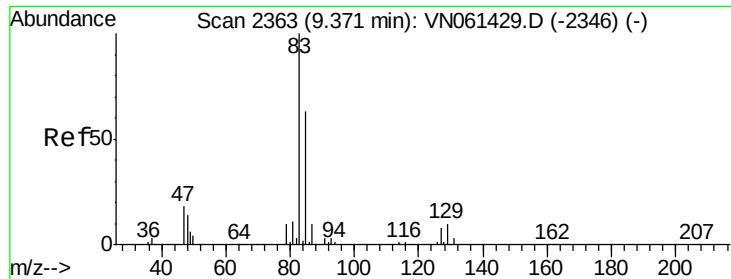
Tot Ion: 63 Resp: 67101
 Ion Ratio Lower Upper
 63 100
 65 32.2 25.2 37.8



#46
 Dibromomethane
 Concen: 17.741 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion: 93 Resp: 46570
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.6 98.4
 174 86.3 68.0 102.0





#47

Bromodichloromethane

Concen: 17.413 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampled :

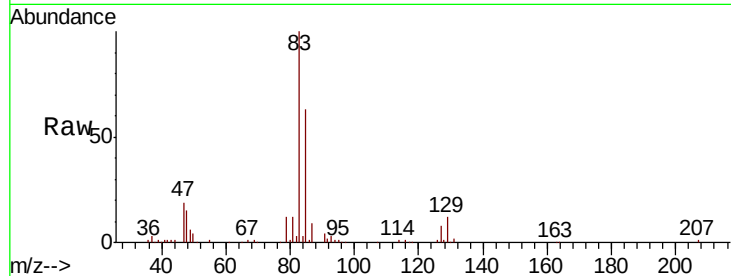
Tot Ion: 83 Resp: 96306

Ion Ratio Lower Upper

83 100

85 63.4 50.6 76.0

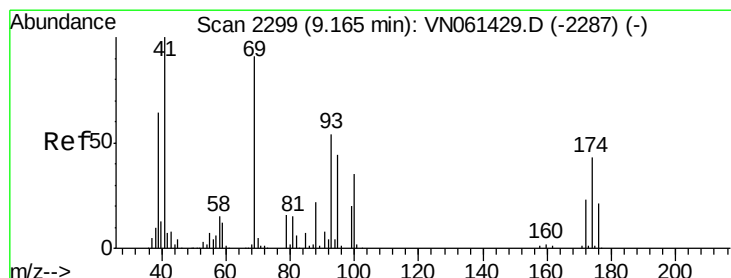
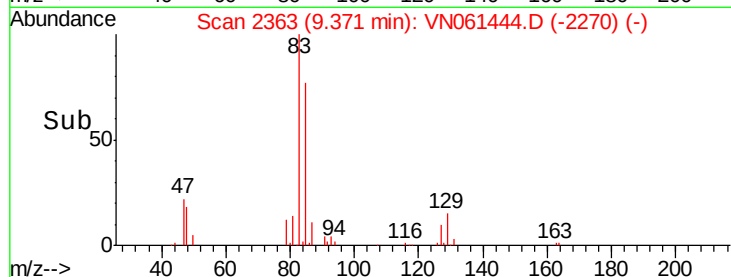
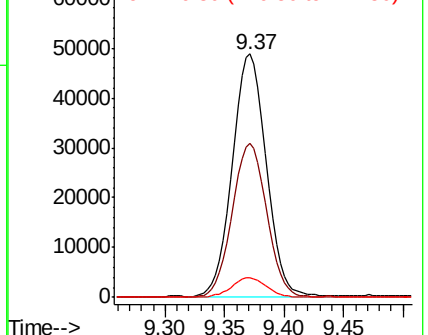
127 8.0 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061429.D (-2346) (-)

Ion 84.90 (84.60 to 85.60): VN061429.D (-2346) (-)

Ion 126.80 (126.50 to 127.50): VN061429.D (-2346) (-)



#48

Methyl methacrylate

Concen: 16.977 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

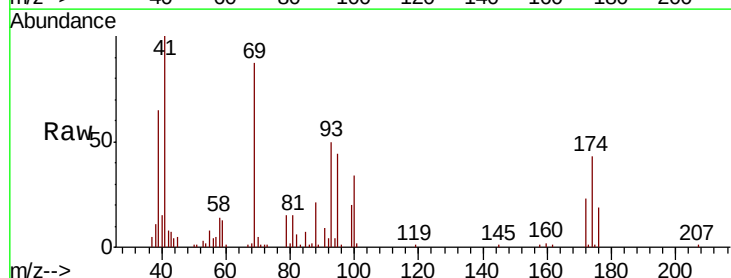
Tgt Ion: 41 Resp: 61580

Ion Ratio Lower Upper

41 100

69 92.0 75.3 112.9

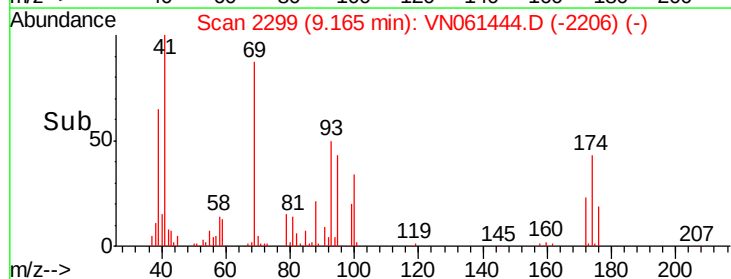
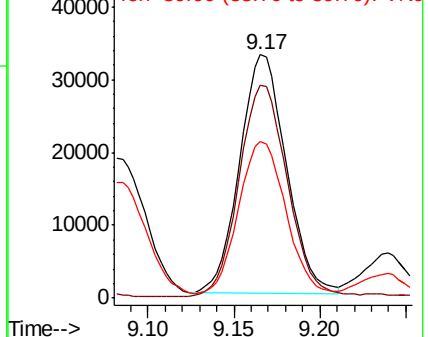
39 68.0 52.6 79.0

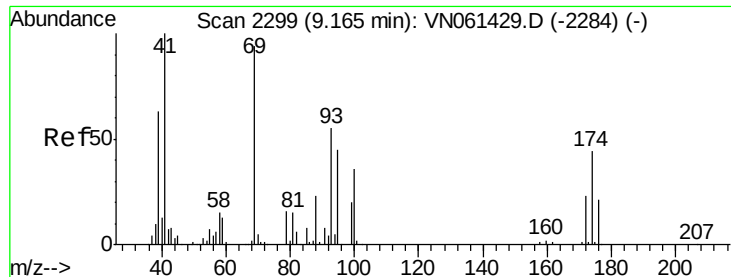


Abundance Ion 41.00 (40.70 to 41.70): VN061429.D (-2287) (-)

Ion 69.00 (68.70 to 69.70): VN061429.D (-2287) (-)

Ion 39.00 (38.70 to 39.70): VN061429.D (-2287) (-)

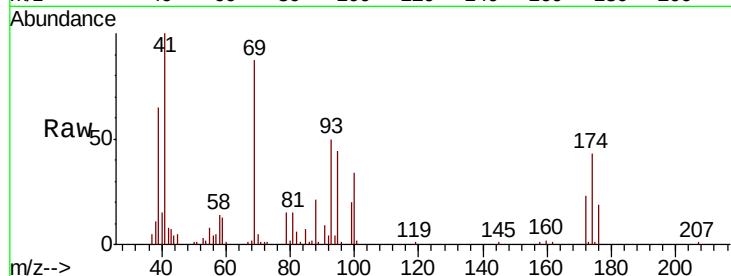




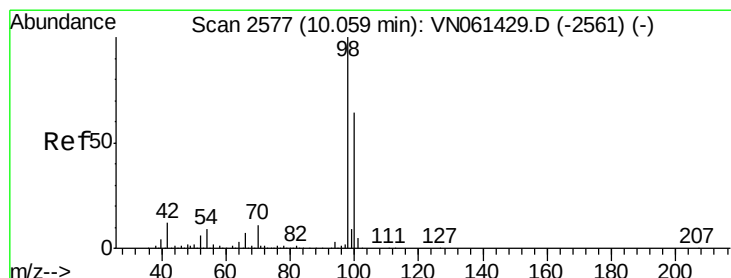
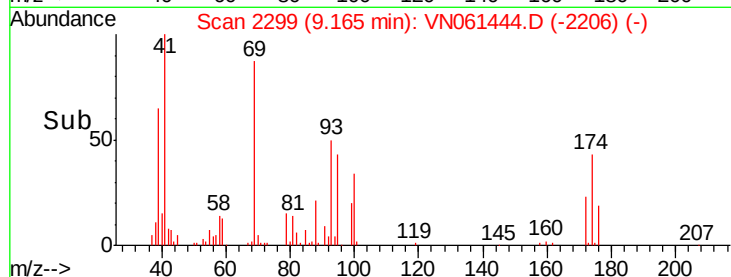
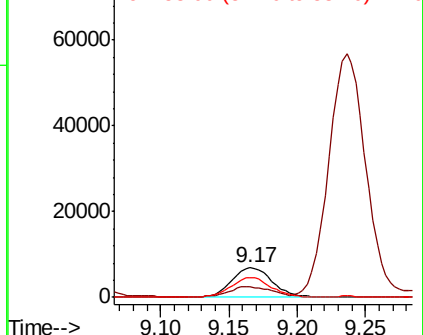
#49
1,4-Dioxane
Concen: 356.394 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 14523
Ion Ratio Lower Upper
88 100
43 37.9 26.3 39.5
58 64.6 54.1 81.1

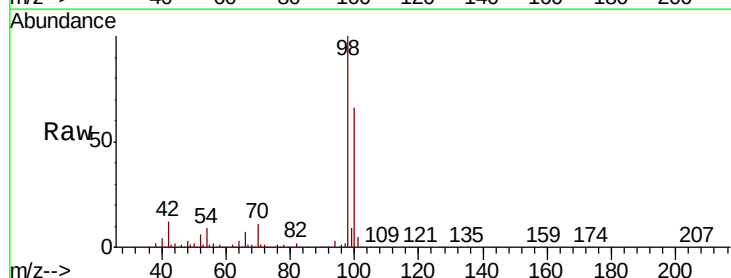


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

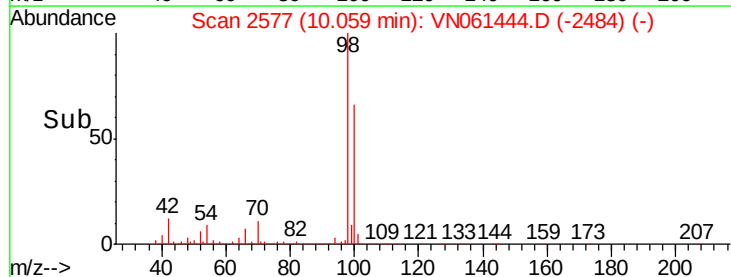
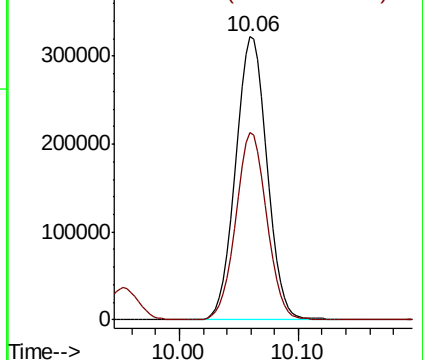


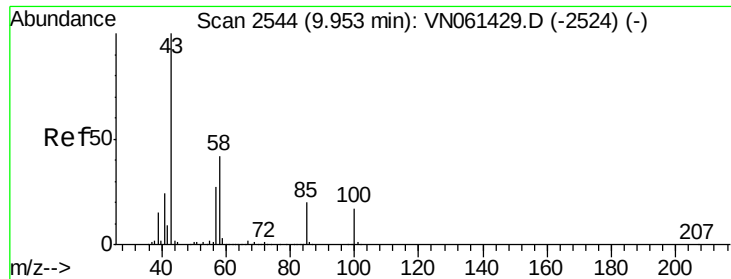
#50
Toluene-d8
Concen: 45.713 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 98 Resp: 589700
Ion Ratio Lower Upper
98 100
100 65.3 51.8 77.8



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

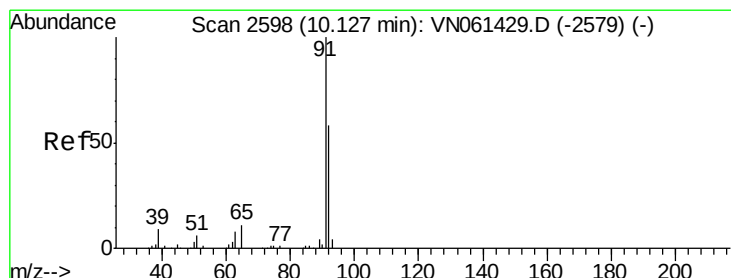
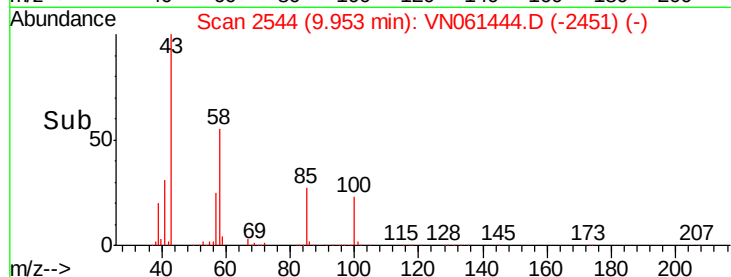
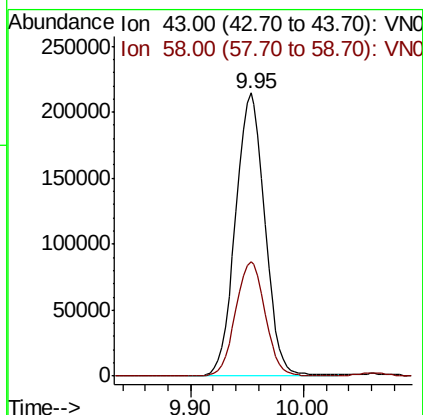
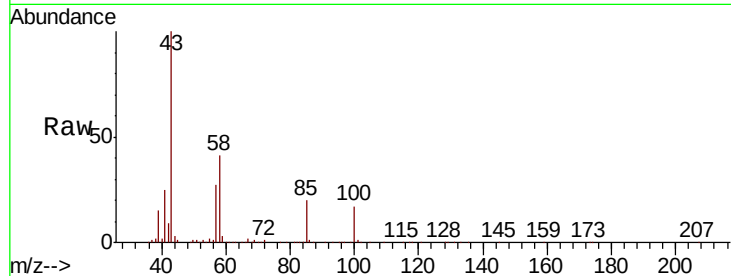




#51
4-Methyl-2-Pentanone
Concen: 90.404 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

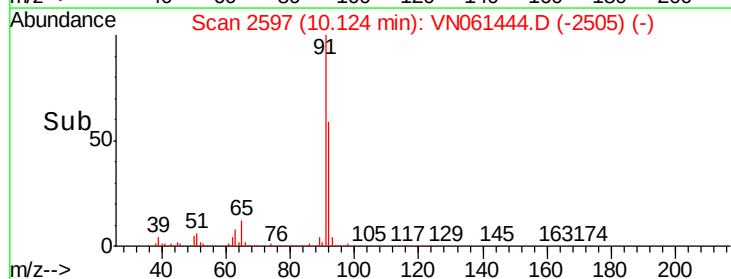
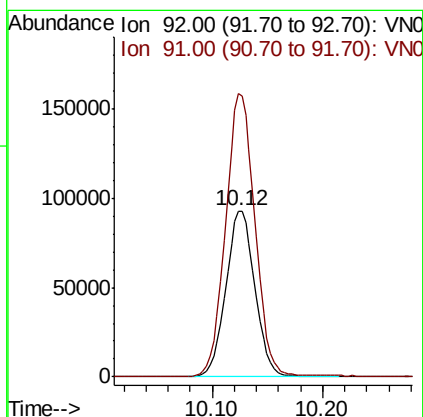
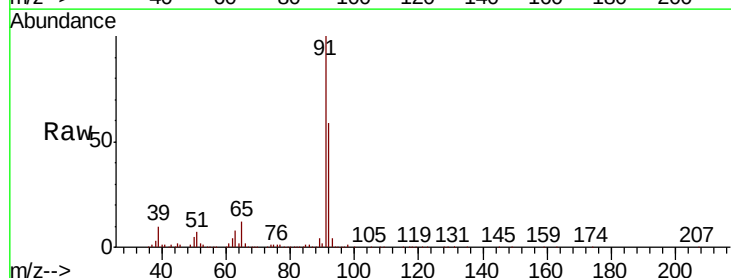
Instrument :
MSVOA_N
ClientSampleId :

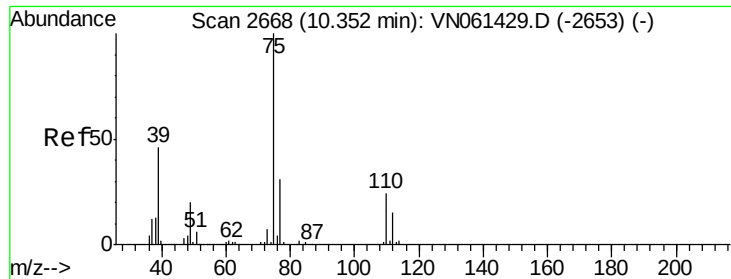
Tot Ion: 43 Resp: 386695
Ion Ratio Lower Upper
43 100
58 41.0 33.4 50.2



#52
Toluene
Concen: 17.624 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 92 Resp: 169271
Ion Ratio Lower Upper
92 100
91 171.5 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 17.643 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

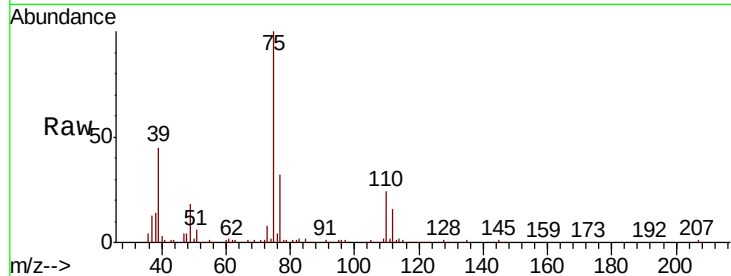
ClientSampleId :

Tot Ion: 75 Resp: 106950

Ion Ratio Lower Upper

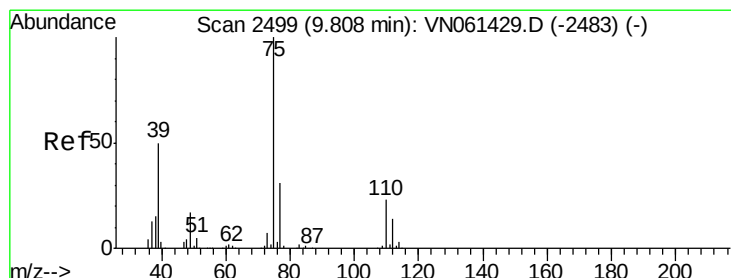
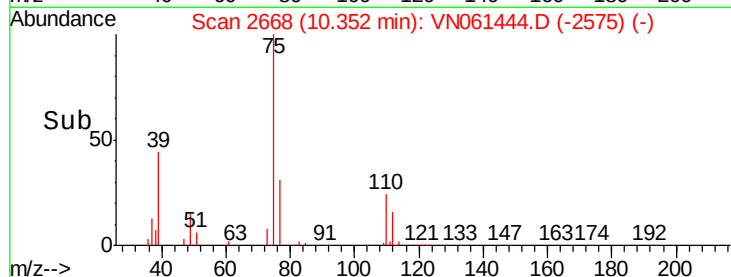
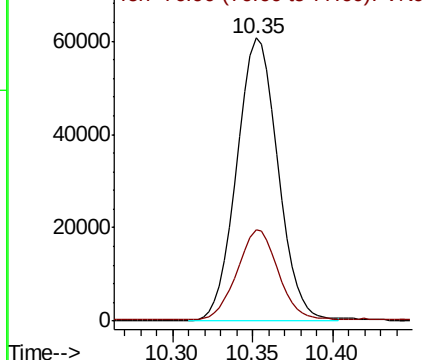
75 100

77 31.6 24.8 37.2



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: 17.685 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

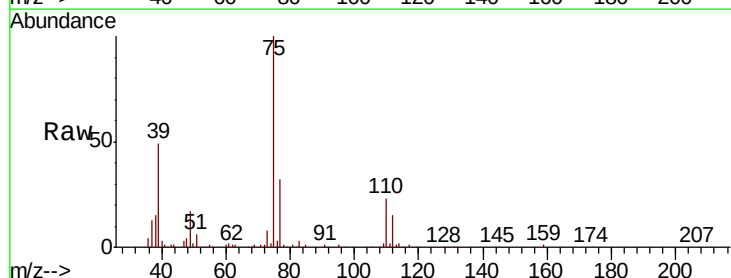
Tgt Ion: 75 Resp: 113964

Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

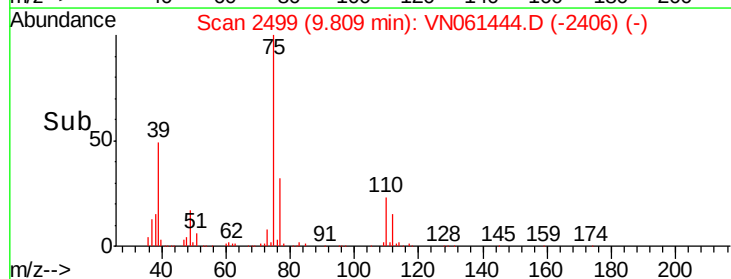
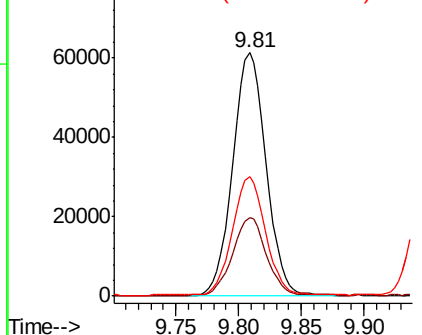
39 48.4 39.8 59.6

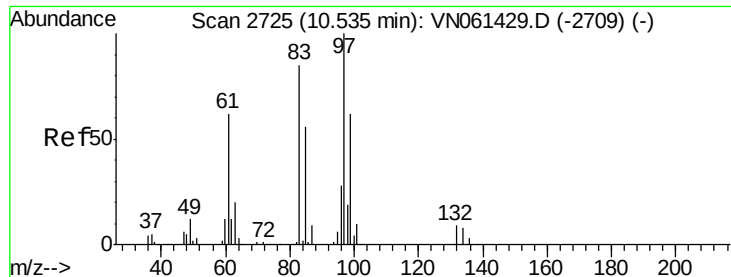


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

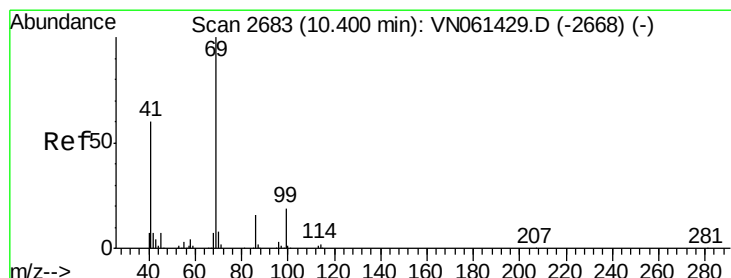
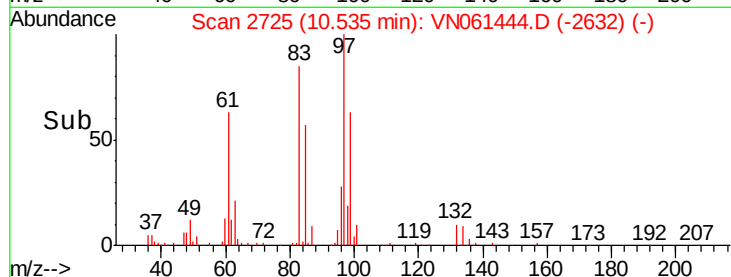
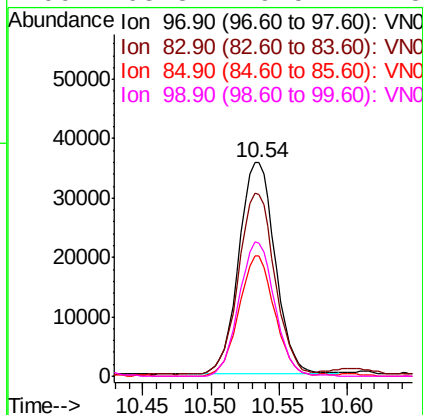
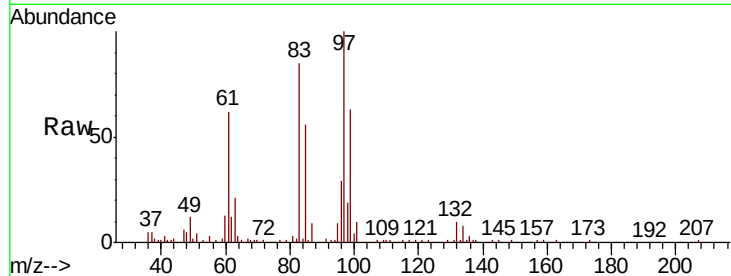




#55
 1,1,2-Trichloroethane
 Concen: 18.127 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

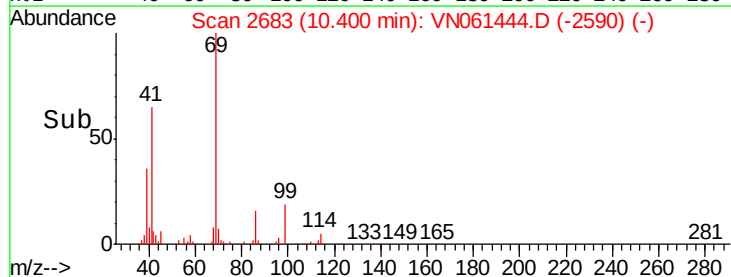
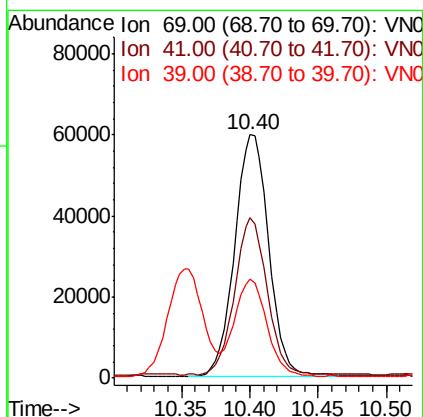
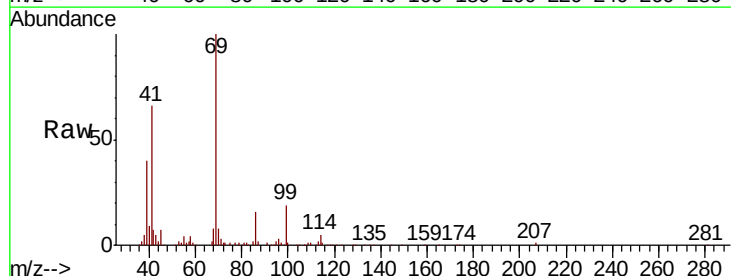
Instrument :
 MSVOA_N
 ClientSampled :

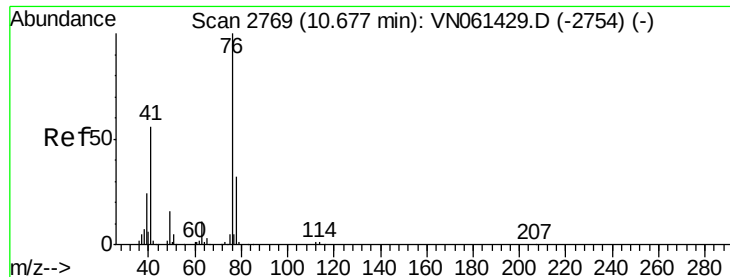
Tot Ion:	97	Resp:	65823
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.2	102.4
85	56.7	44.6	67.0
99	63.3	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 18.237 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion:	69	Resp:	103531
Ion	Ratio	Lower	Upper
69	100		
41	61.5	48.3	72.5
39	38.3	30.2	45.2





#57

1,3-Dichloropropane

Concen: 18.147 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

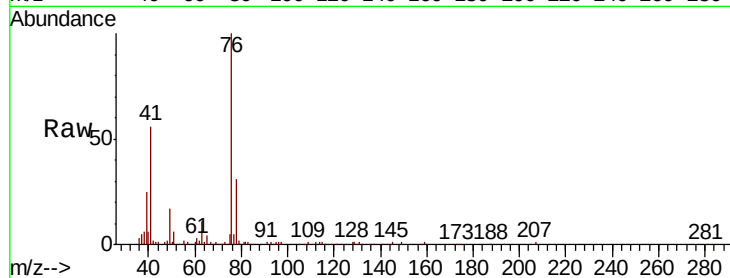
ClientSampleId :

Tot Ion: 76 Resp: 113879

Ion Ratio Lower Upper

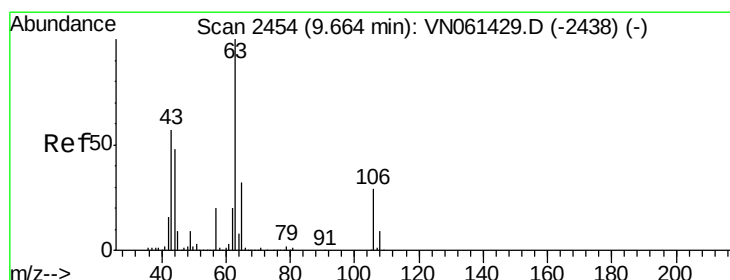
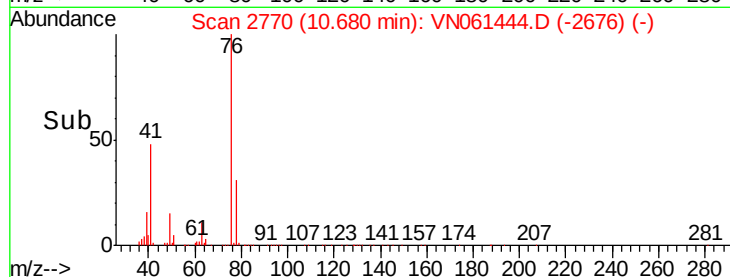
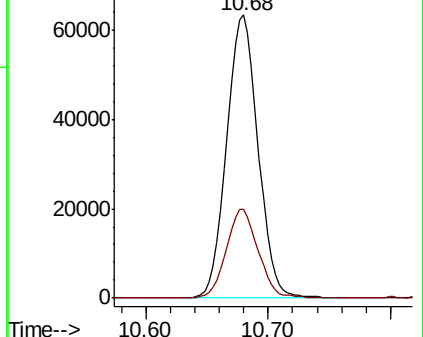
76 100

78 32.0 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN061429.D (-2754) (-)

Ion 77.90 (77.60 to 78.60): VN061429.D (-2754) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 94.820 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN061444.D

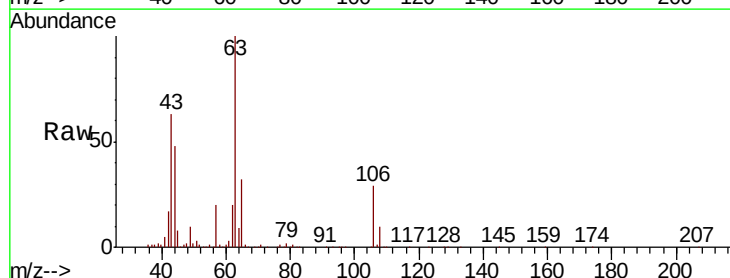
Acq: 18 May 2020 19:00

Tgt Ion: 63 Resp: 236273

Ion Ratio Lower Upper

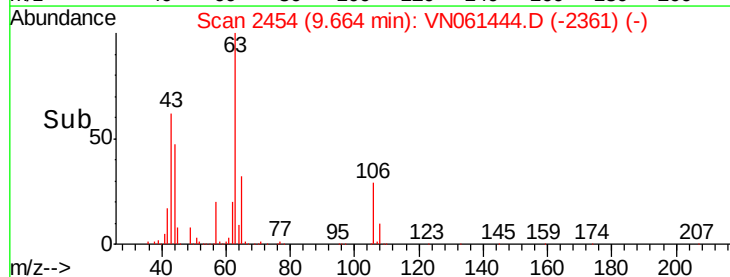
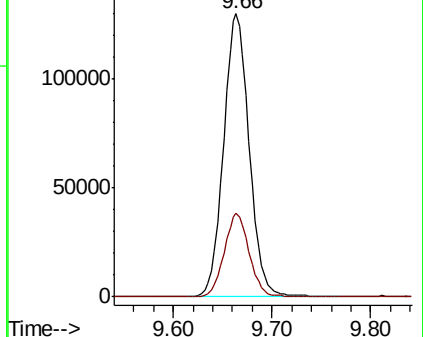
63 100

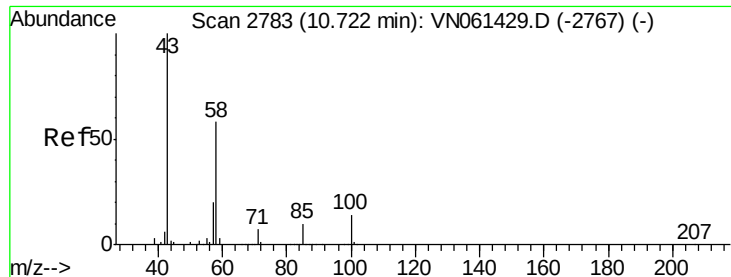
106 28.8 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN061429.D (-2438) (-)

Ion 105.90 (105.60 to 106.60): VN061429.D (-2438) (-)

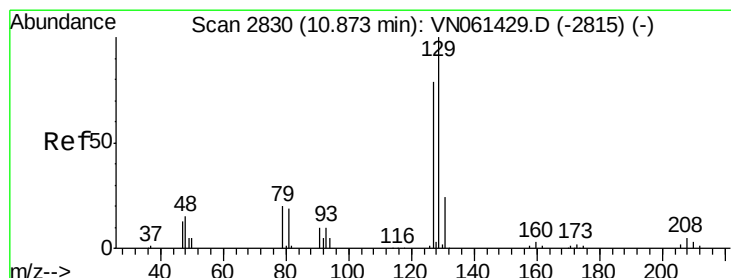
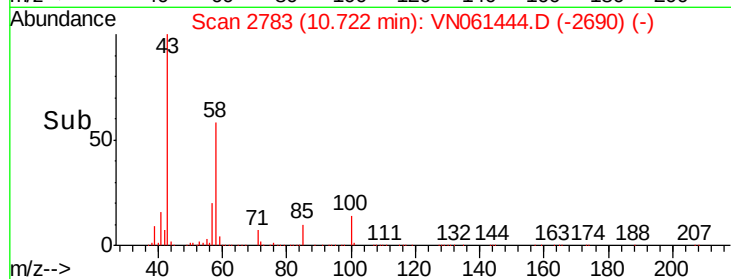
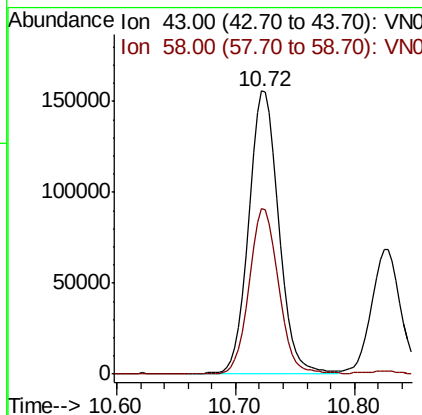
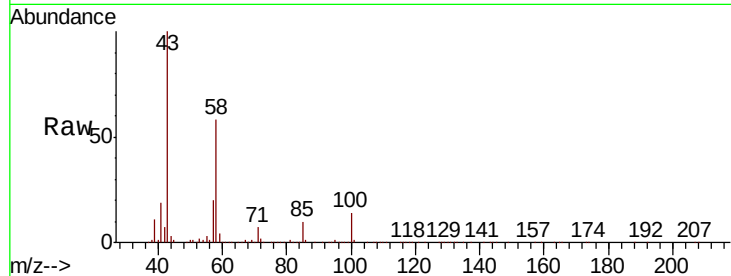




#59
2-Hexanone
Concen: 87.235 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

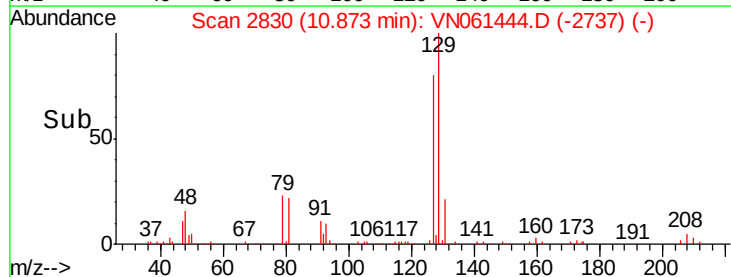
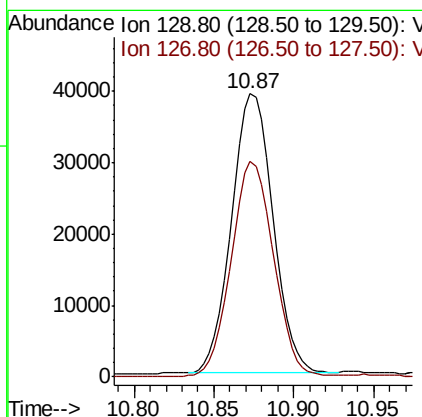
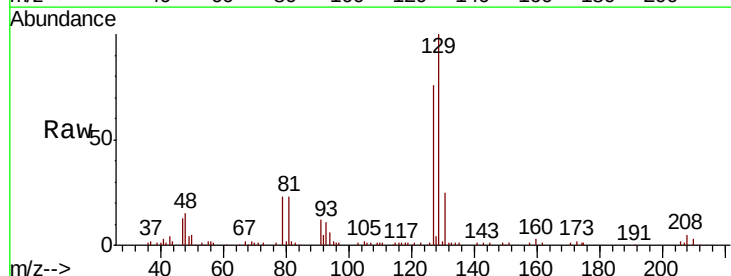
Instrument :
MSVOA_N
ClientSampleId :

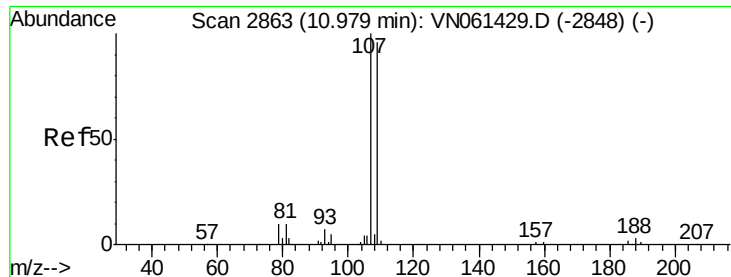
Tot Ion: 43 Resp: 269963
Ion Ratio Lower Upper
43 100
58 58.2 29.2 87.6



#60
Dibromochloromethane
Concen: 17.253 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 129 Resp: 69298
Ion Ratio Lower Upper
129 100
127 79.3 38.8 116.3

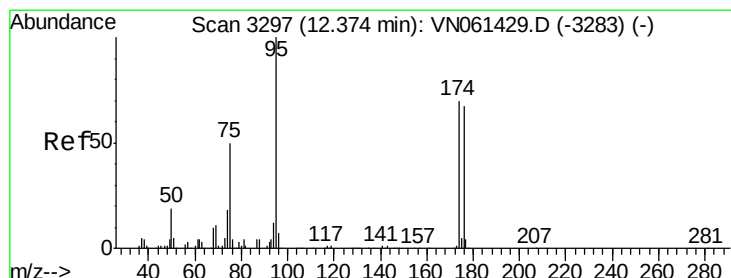
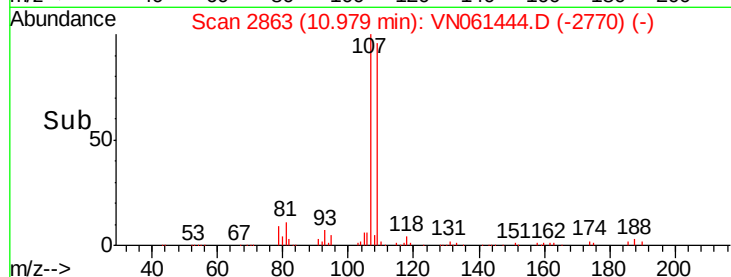
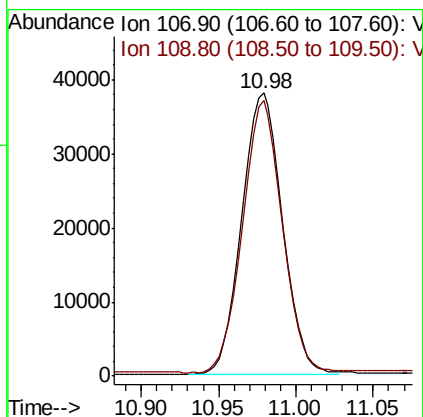
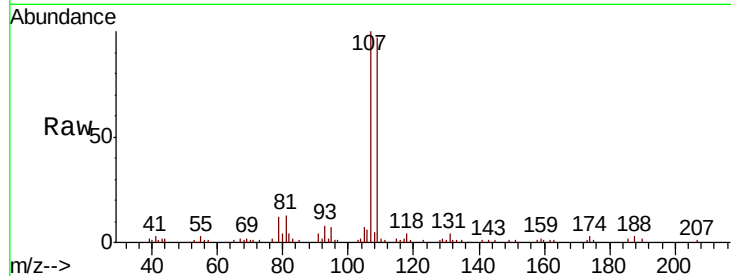




#61
 1,2-Dibromoethane
 Concen: 18.187 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

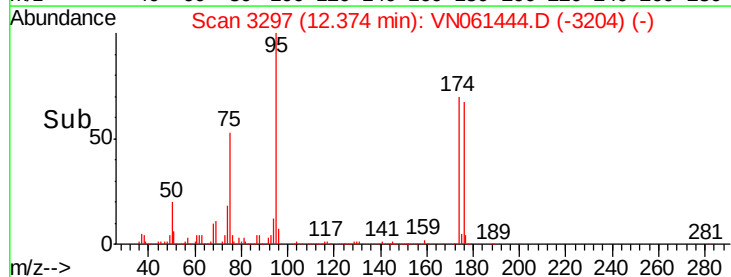
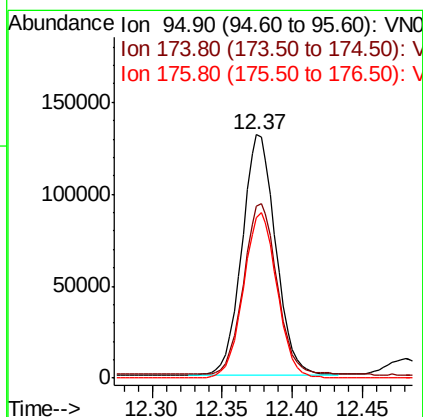
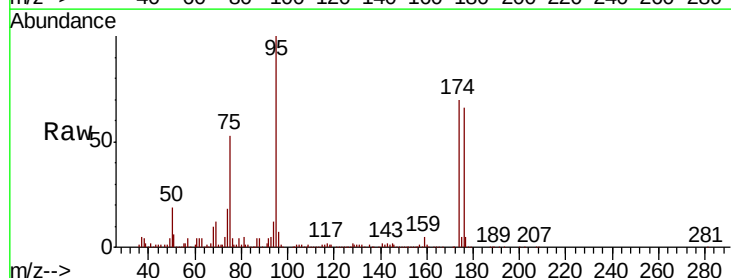
Instrument :
 MSVOA_N
 ClientSampleId :

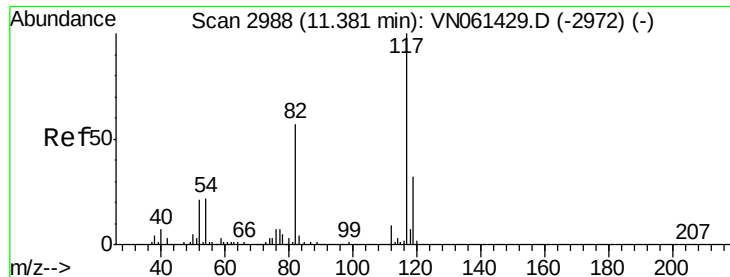
Tot Ion:107 Resp: 69435
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 45.460 ug/l
 RT: 12.37 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion: 95 Resp: 219101
 Ion Ratio Lower Upper
 95 100
 174 71.5 0.0 141.2
 176 68.5 0.0 137.6

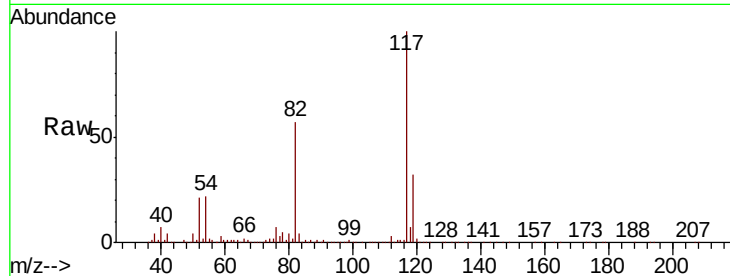




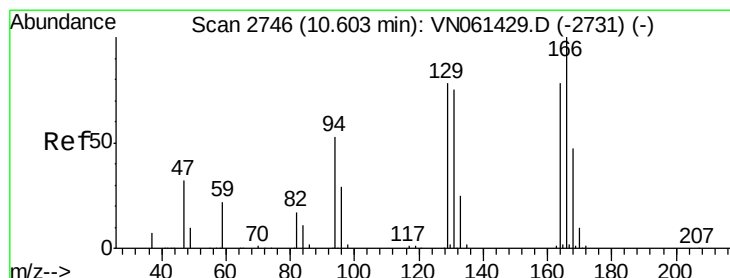
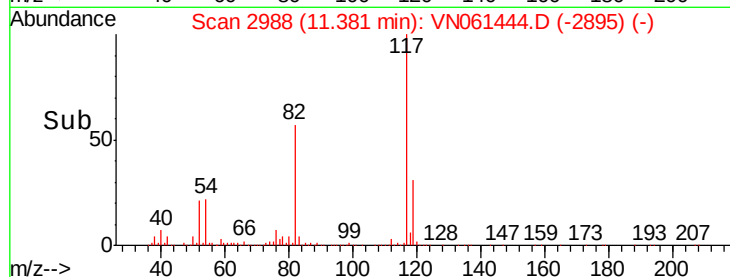
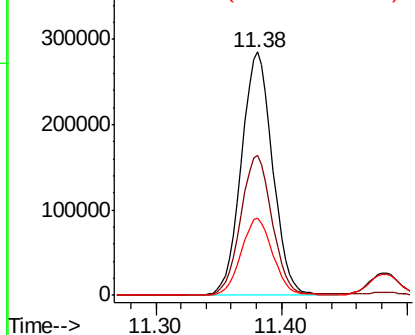
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 491754
Ion Ratio Lower Upper
117 100
82 57.3 45.2 67.8
119 31.4 25.3 37.9

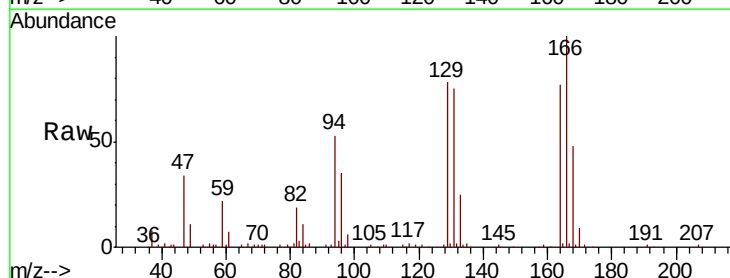


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

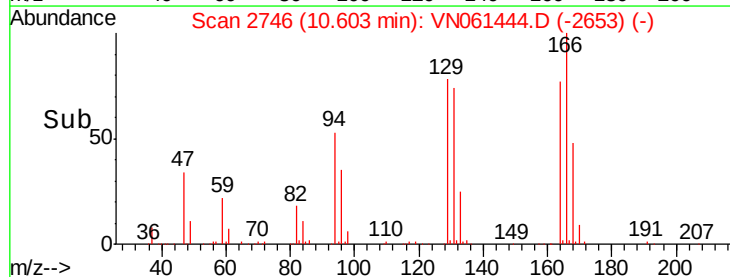
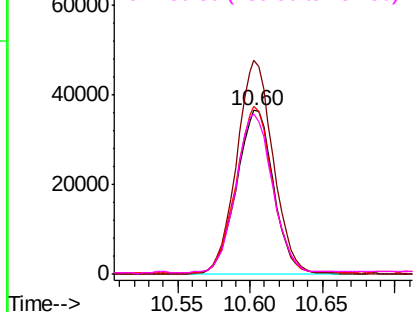


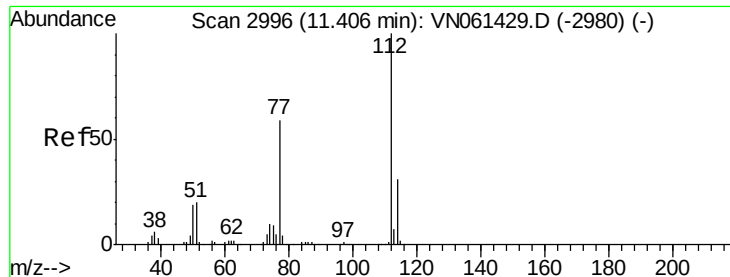
#64
Tetrachloroethene
Concen: 16.977 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion:164 Resp: 64587
Ion Ratio Lower Upper
164 100
166 130.6 103.2 154.8
129 101.3 81.0 121.4
131 96.6 77.3 115.9



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

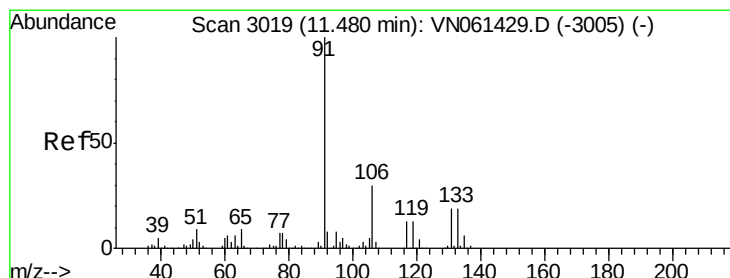
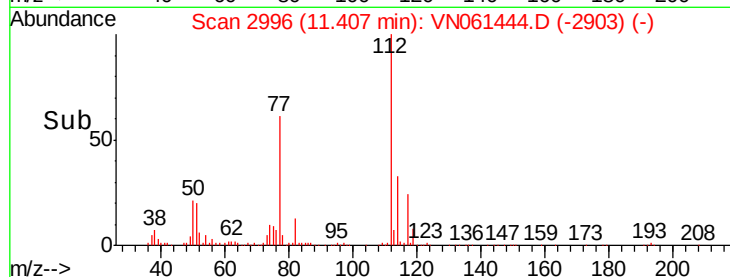
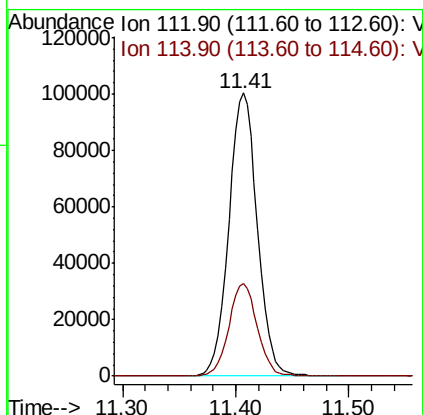
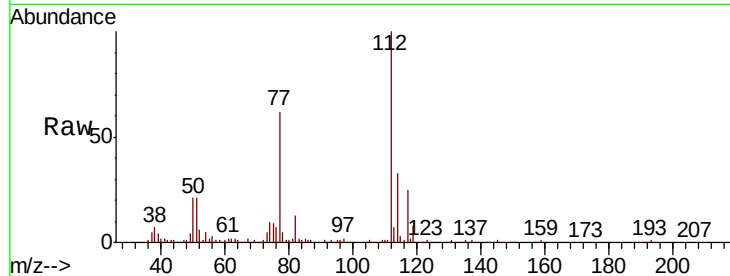




#65
Chlorobenzene
Concen: 17.494 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

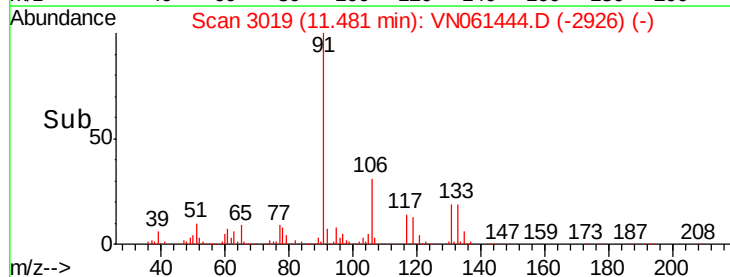
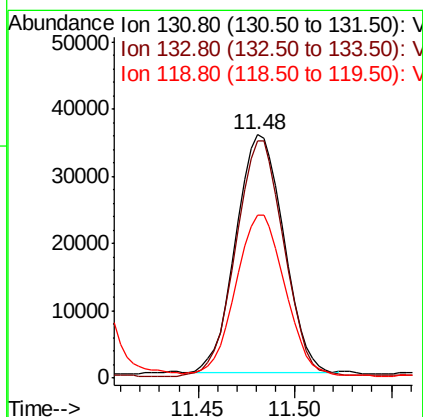
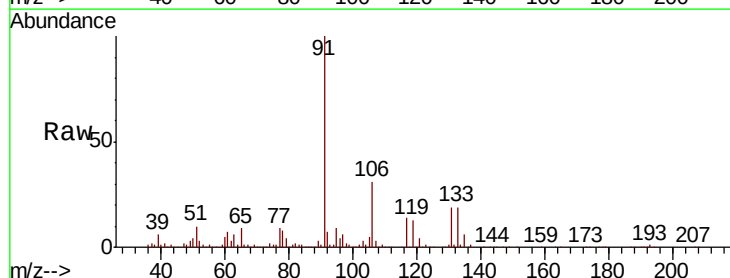
Instrument :
MSVOA_N
ClientSampled :

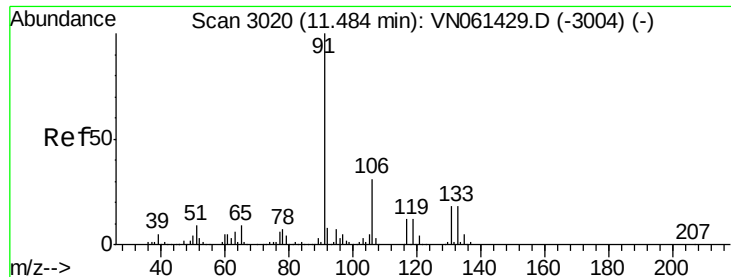
Tot Ion:112 Resp: 175425
Ion Ratio Lower Upper
112 100
114 32.9 25.0 37.6



#66
1,1,1,2-Tetrachloroethane
Concen: 17.011 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion:131 Resp: 61157
Ion Ratio Lower Upper
131 100
133 99.4 48.7 146.1
119 69.0 33.8 101.3

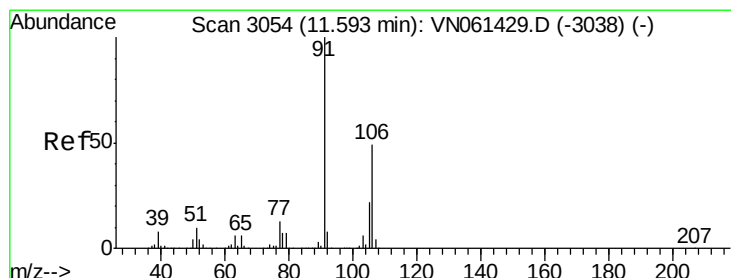
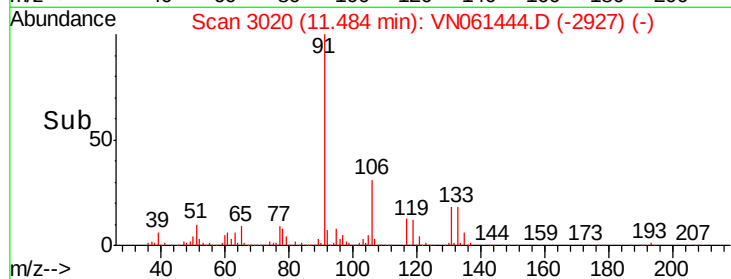
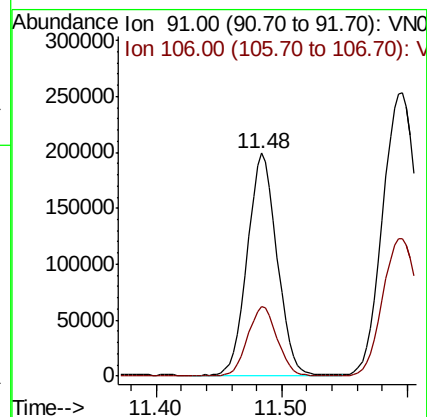
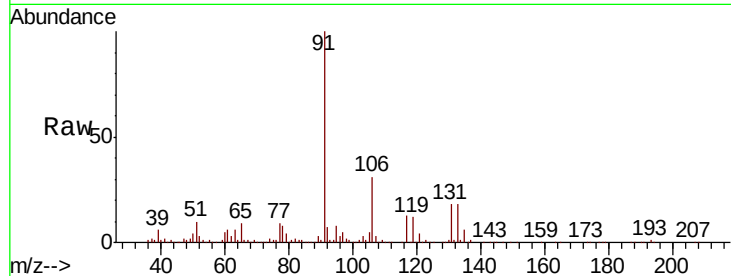




#67
Ethyl Benzene
Concen: 17.749 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

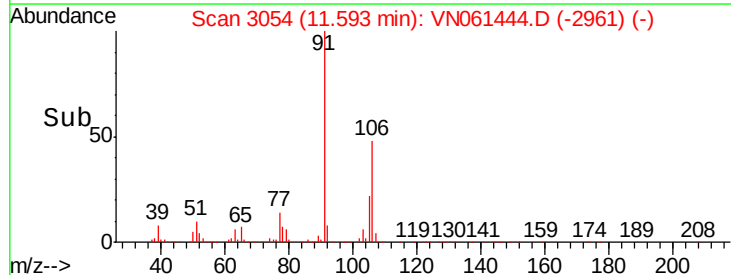
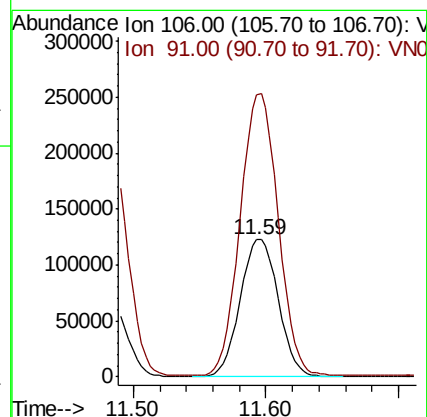
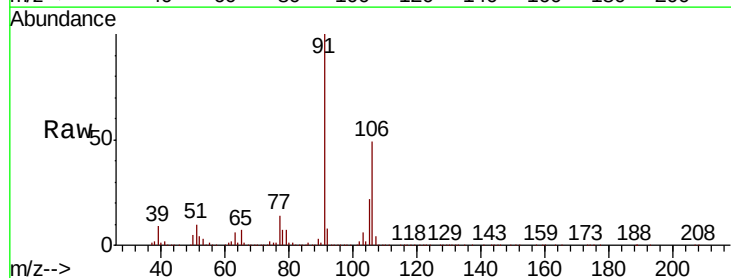
Instrument :
MSVOA_N
ClientSampled :

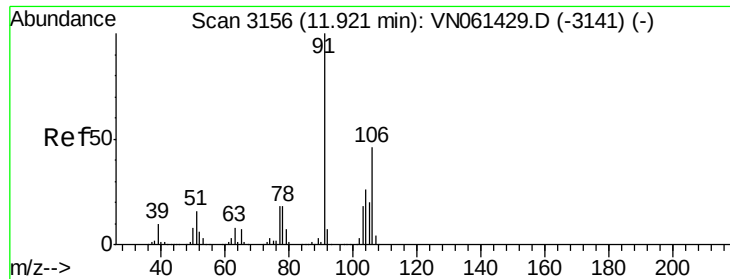
Tot Ion: 91 Resp: 324896
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8



#68
m/p-Xylenes
Concen: 35.047 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 106 Resp: 243507
Ion Ratio Lower Upper
106 100
91 205.3 163.0 244.6

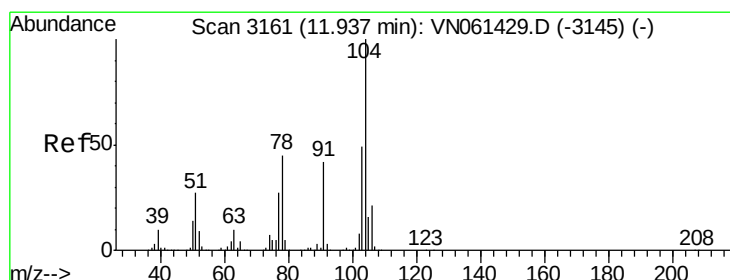
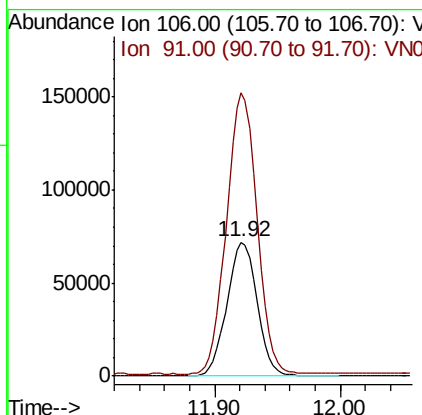
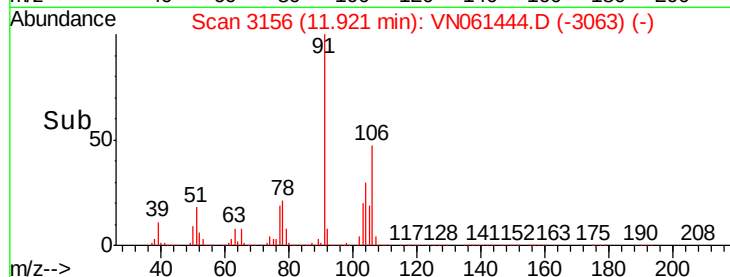
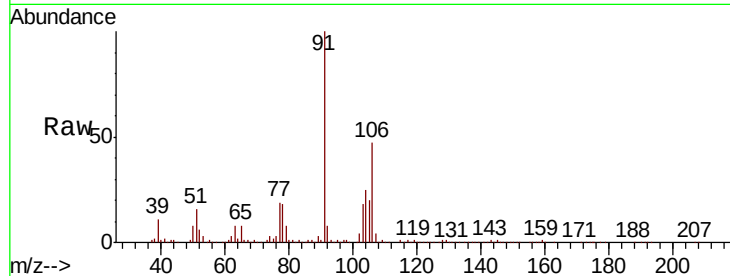




#69
o-Xylene
Concen: 17.760 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

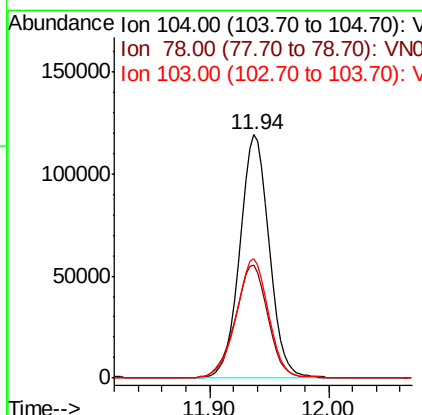
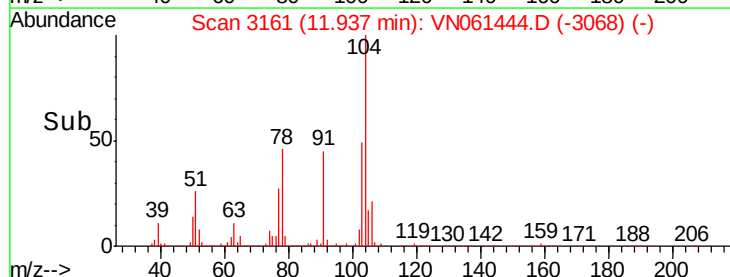
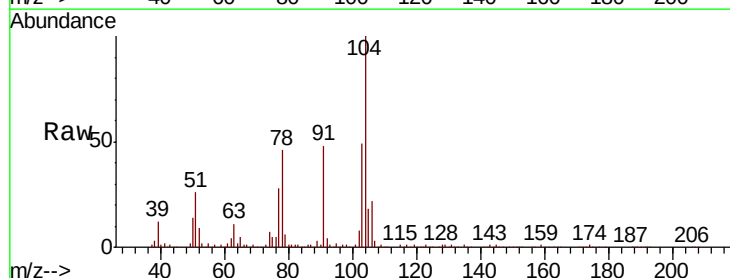
Instrument :
MSVOA_N
ClientSampleId :

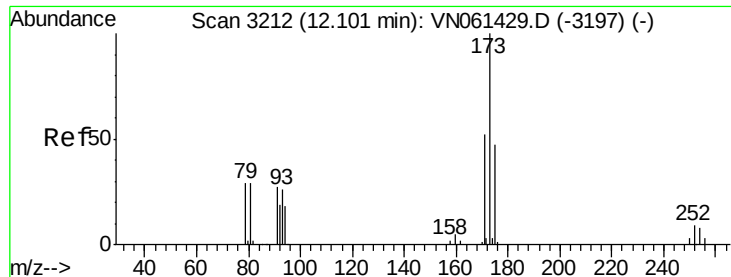
Tot Ion:106 Resp: 119411
Ion Ratio Lower Upper
106 100
91 213.2 107.9 323.7



#70
Styrene
Concen: 18.205 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion:104 Resp: 202695
Ion Ratio Lower Upper
104 100
78 51.4 40.7 61.1
103 53.9 43.0 64.4





#71

Bromoform

Concen: 17.078 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

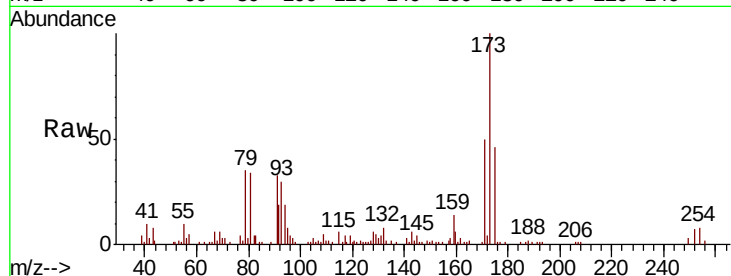
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:173 Resp: 43869

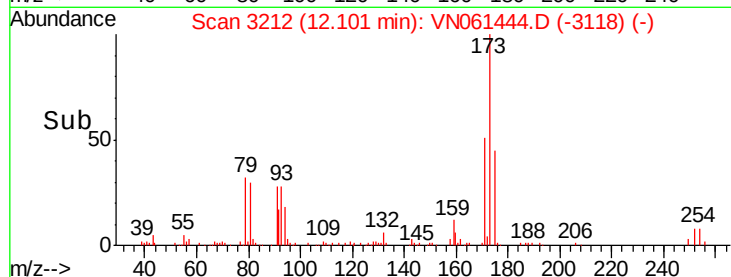
Ion	Ratio	Lower	Upper
173	100		
175	46.6	23.9	71.8
254	0.0	0.0	0.0



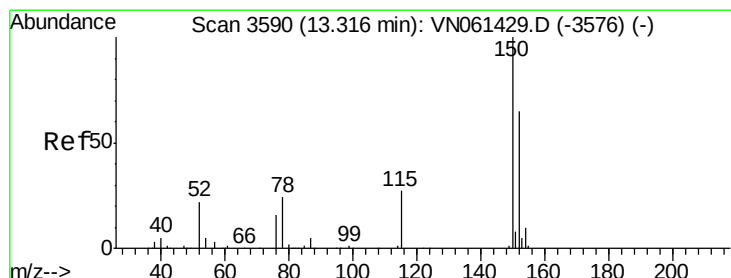
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

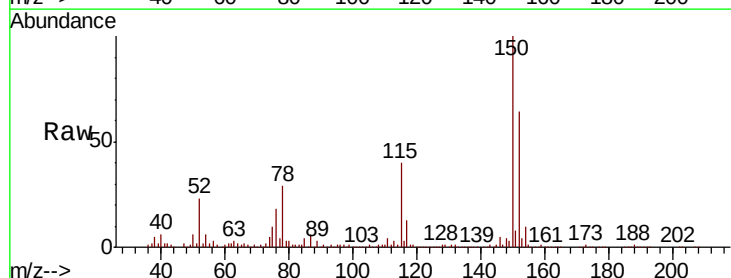
Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Tgt Ion:152 Resp: 225840

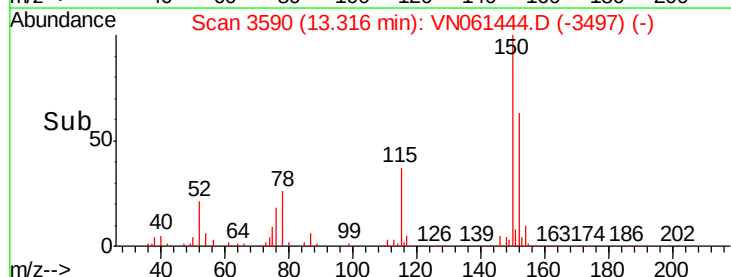
Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.9	92.5
150	163.2	0.0	349.2



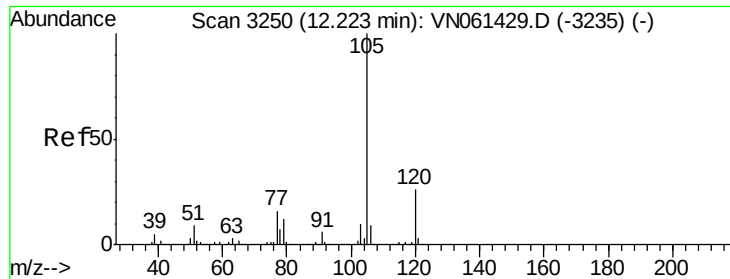
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#73

Isopropylbenzene

Concen: 16.750 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

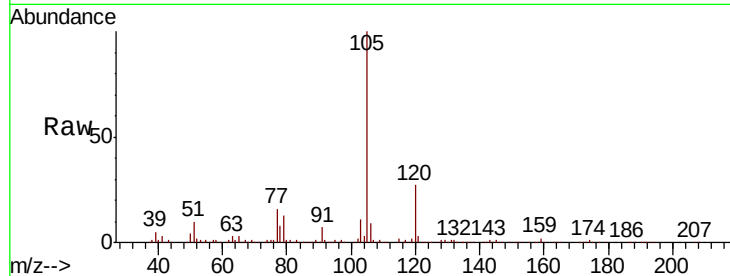
ClientSampleId :

Tot Ion:105 Resp: 303680

Ion Ratio Lower Upper

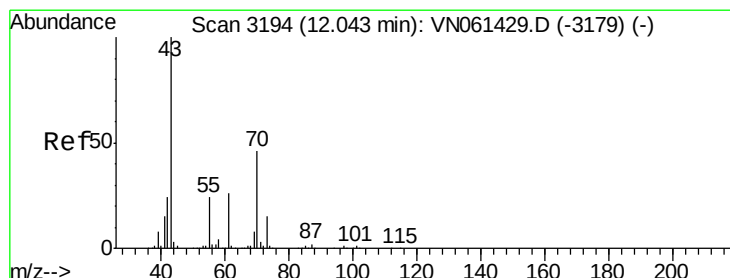
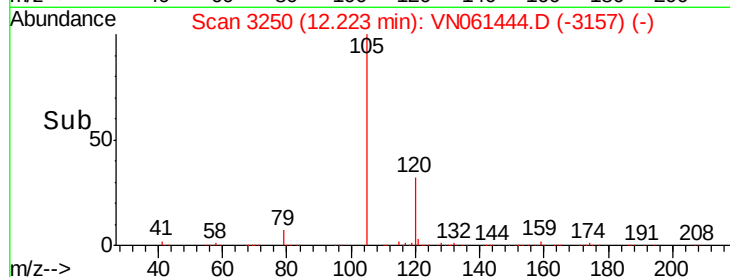
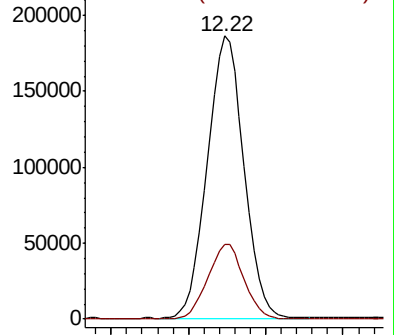
105 100

120 26.2 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.954 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Tgt Ion: 43 Resp: 119145

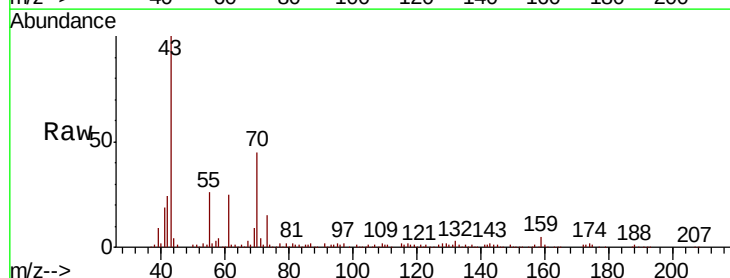
Ion Ratio Lower Upper

43 100

70 45.8 37.0 55.4

55 24.4 19.5 29.3

61 25.2 20.8 31.2

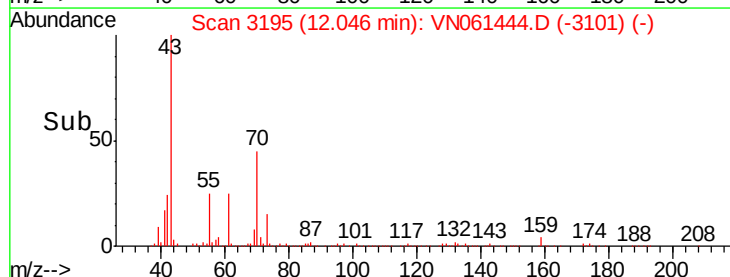
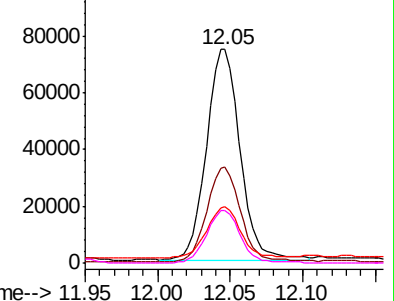


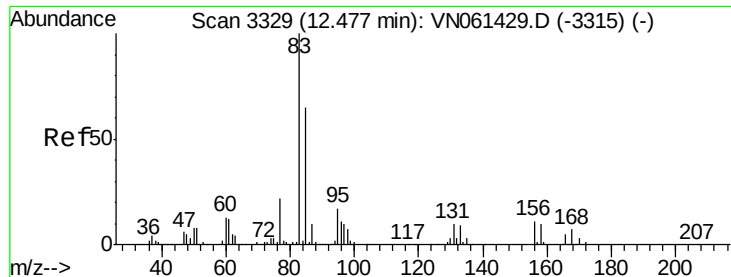
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.187 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

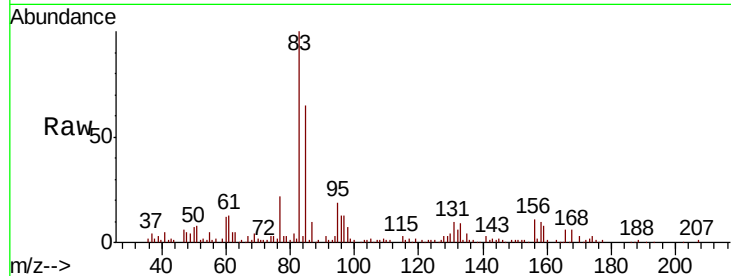
Tot Ion: 83 Resp: 90719

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.8	14.4
85	64.7	32.1	96.5

83 100

131 10.0 4.8 14.4

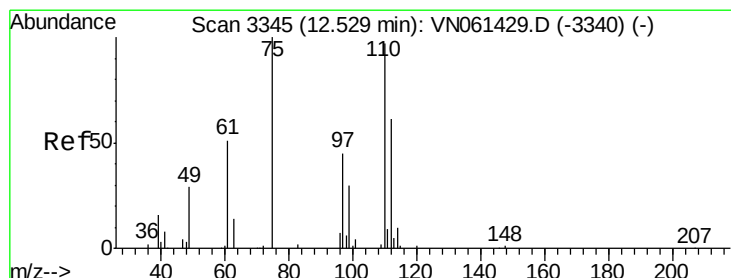
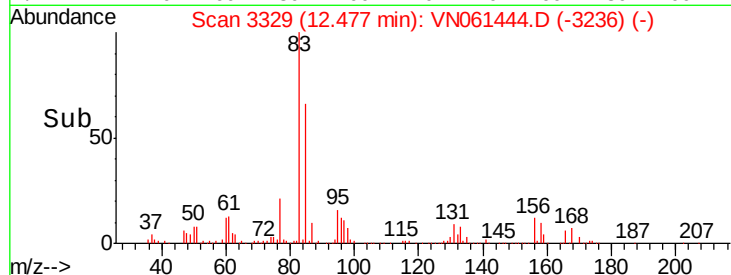
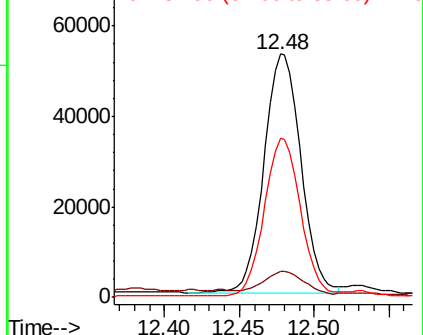
85 64.7 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VN061444.D (-3236) (-)

Ion 130.80 (130.50 to 131.50): VN061444.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN061444.D (-3236) (-)



#76

1,2,3-Trichloropropane

Concen: 24.276 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061444.D

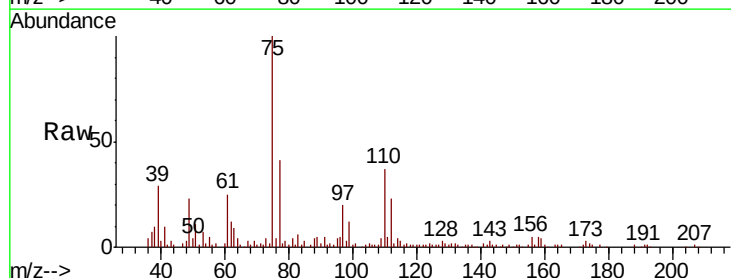
Acq: 18 May 2020 19:00

Tgt Ion: 75 Resp: 117642

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

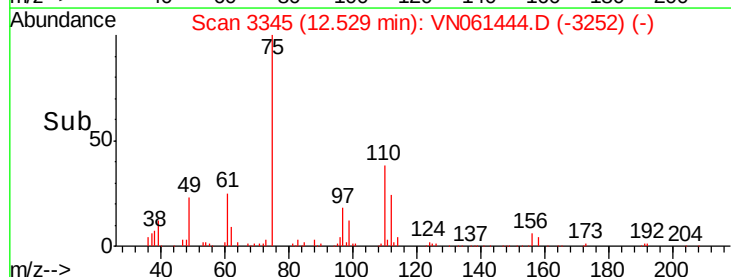
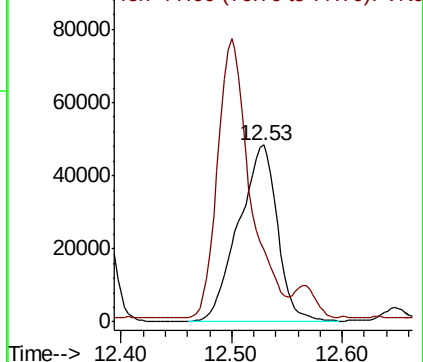
75 100

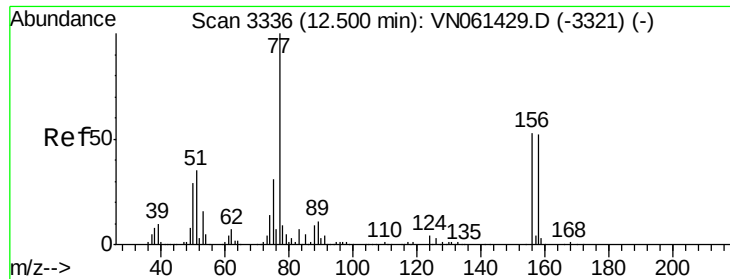
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN061444.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN061444.D (-3252) (-)





#77

Bromobenzene

Concen: 18.840 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampled :

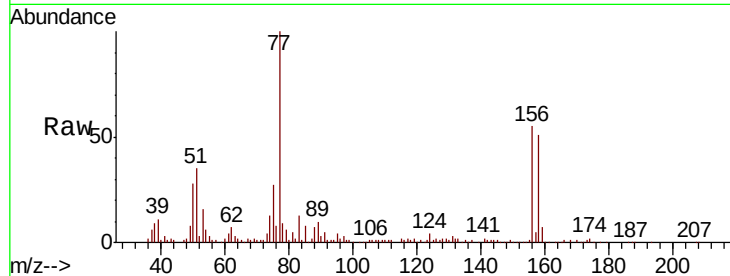
Tot Ion:156 Resp: 74130

Ion Ratio Lower Upper

156 100

77 211.8 112.3 336.9

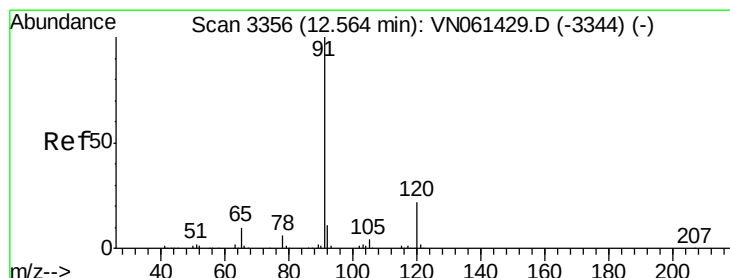
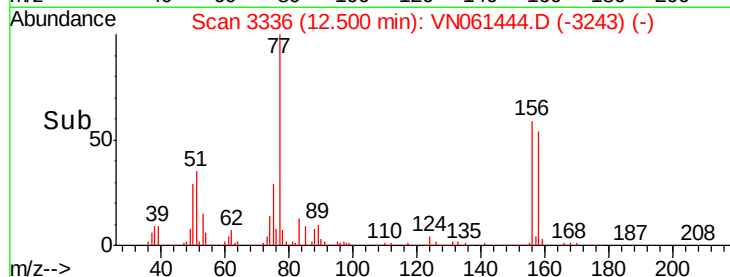
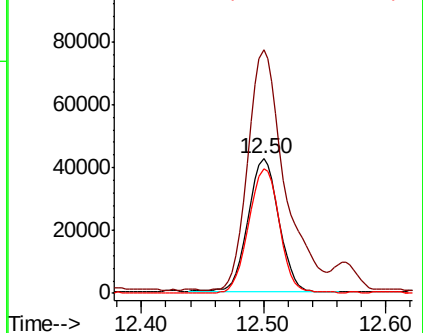
158 91.5 47.9 143.6



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: 17.018 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061444.D

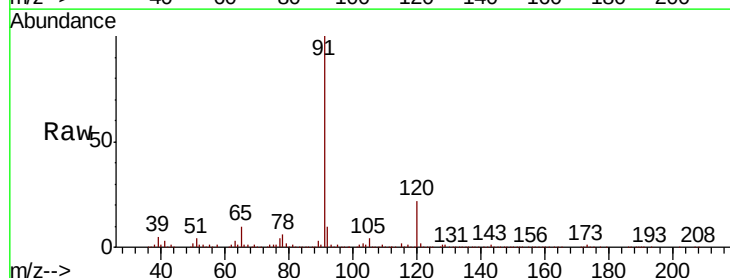
Acq: 18 May 2020 19:00

Tgt Ion: 91 Resp: 351552

Ion Ratio Lower Upper

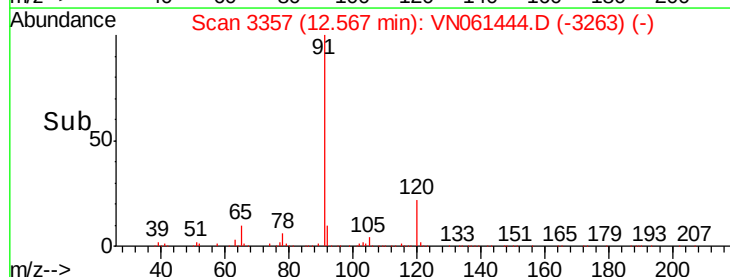
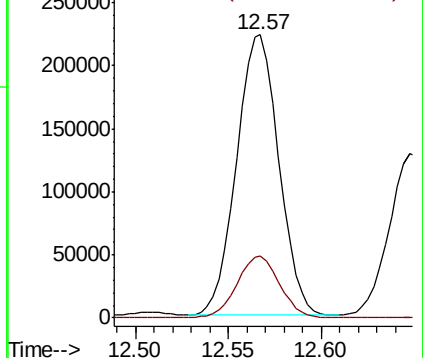
91 100

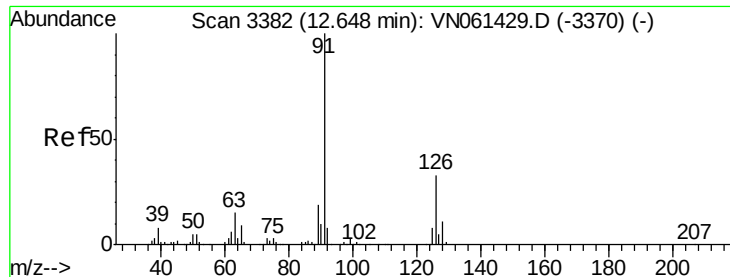
120 21.9 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.268 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

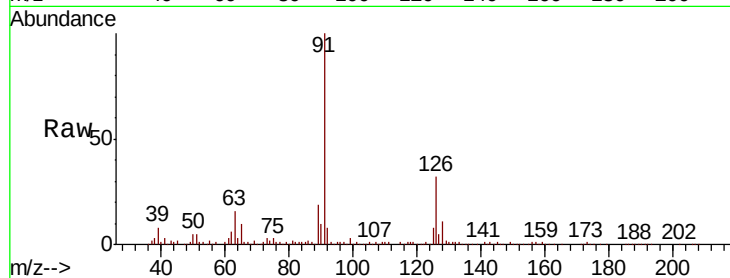
ClientSampled :

Tot Ion: 91 Resp: 210847

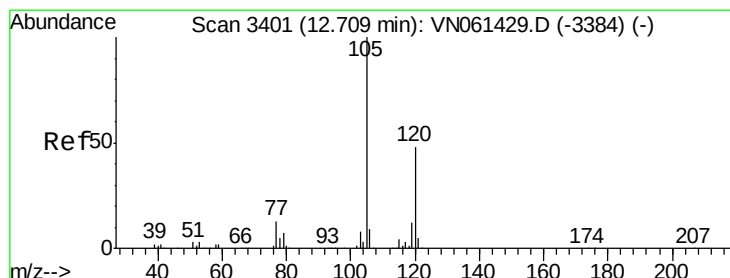
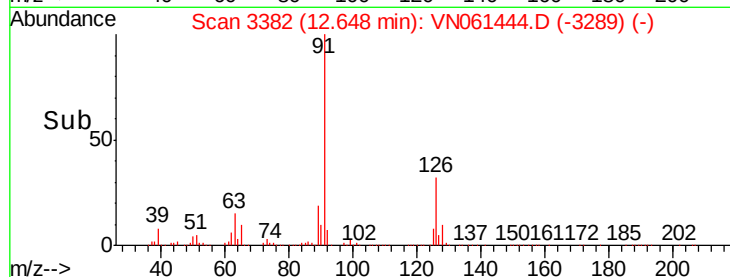
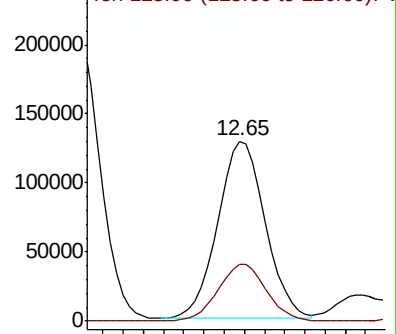
Ion Ratio Lower Upper

91 100

126 32.7 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN061444.D (-3382) (-)



#80

1,3,5-Trimethylbenzene

Concen: 17.226 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061444.D

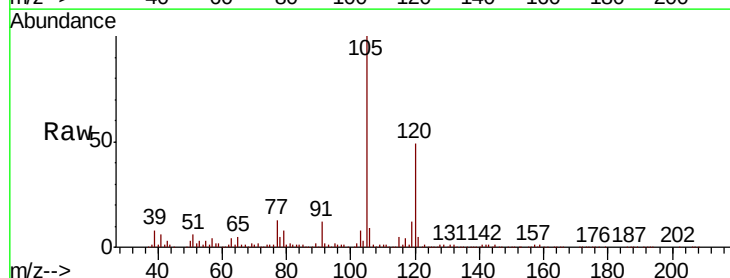
Acq: 18 May 2020 19:00

Tgt Ion:105 Resp: 255726

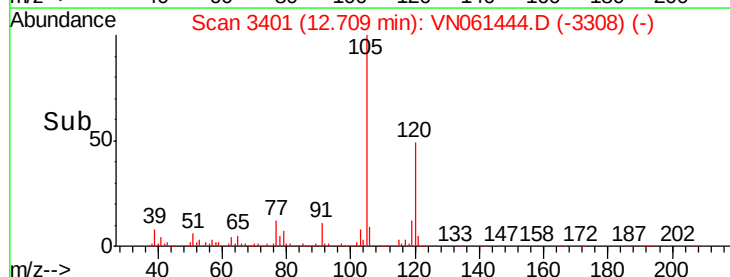
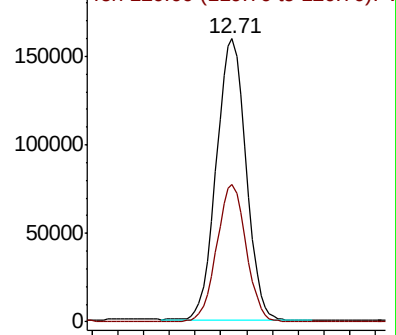
Ion Ratio Lower Upper

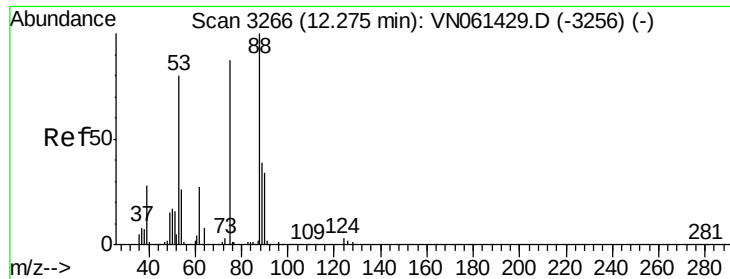
105 100

120 47.7 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061444.D (-3401) (-)

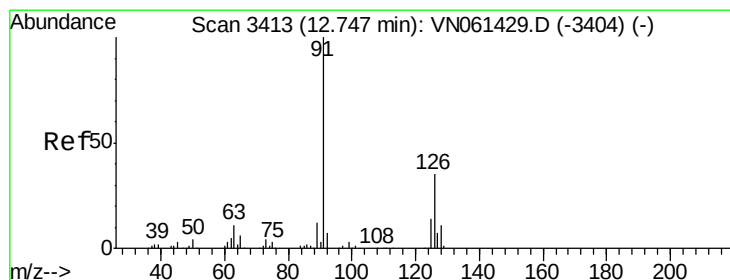
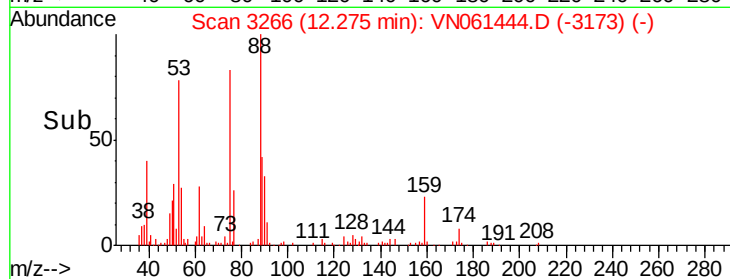
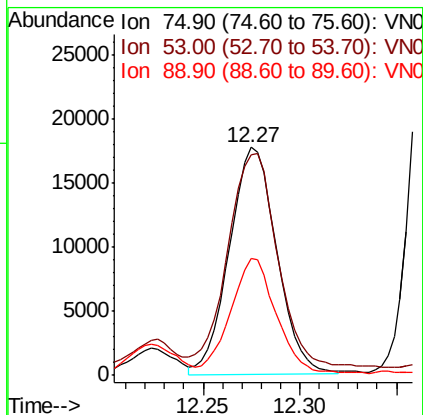
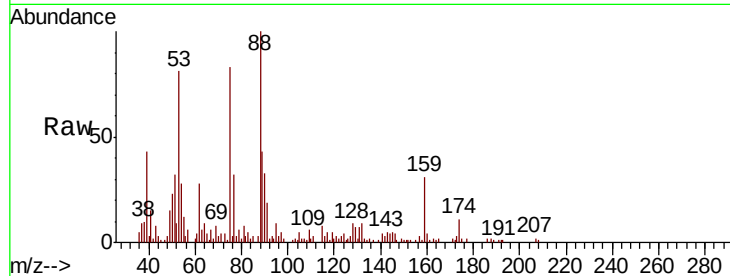




#81
trans-1,4-Dichloro-2-butene
Concen: 16.522 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

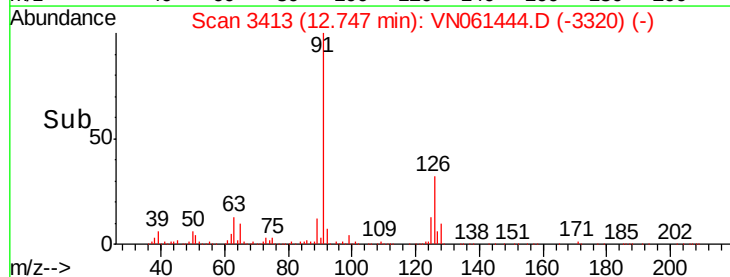
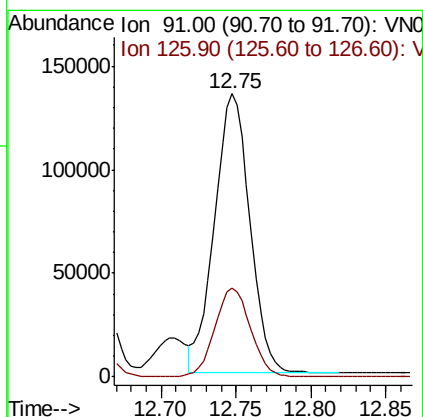
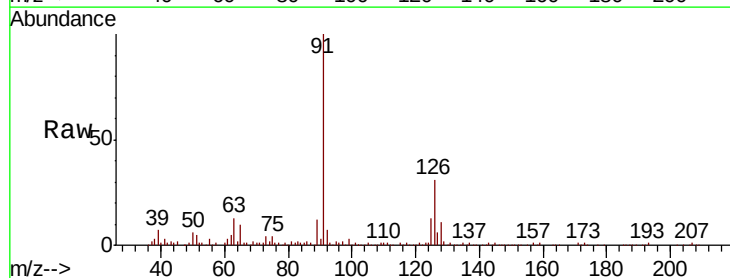
Instrument :
MSVOA_N
ClientSampled :

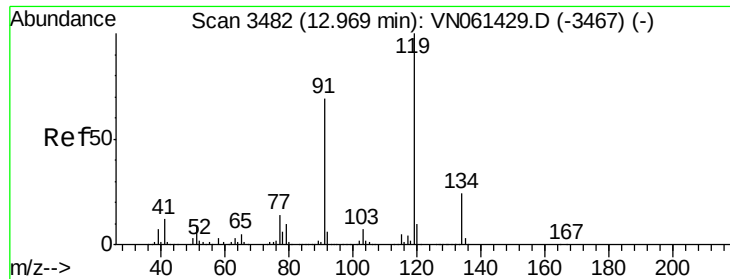
Tot Ion: 75 Resp: 30181
Ion Ratio Lower Upper
75 100
53 99.0 75.2 112.8
89 49.2 38.2 57.4



#82
4-Chlorotoluene
Concen: 17.584 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 91 Resp: 222321
Ion Ratio Lower Upper
91 100
126 31.6 16.1 48.2

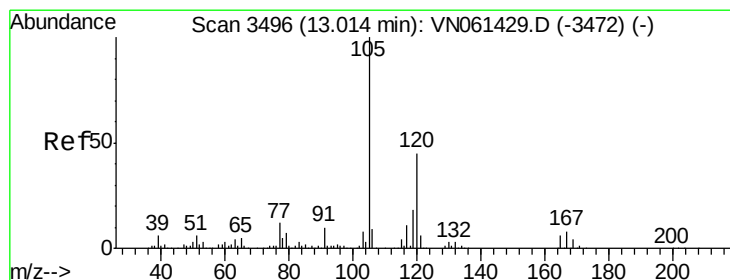
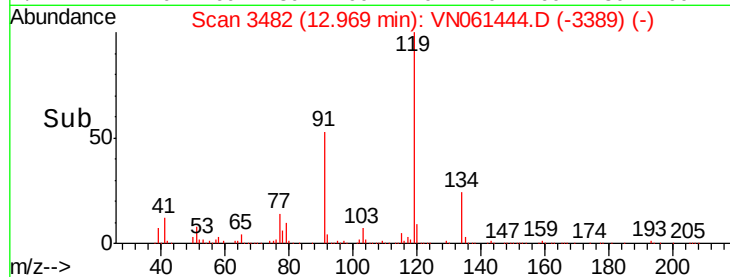
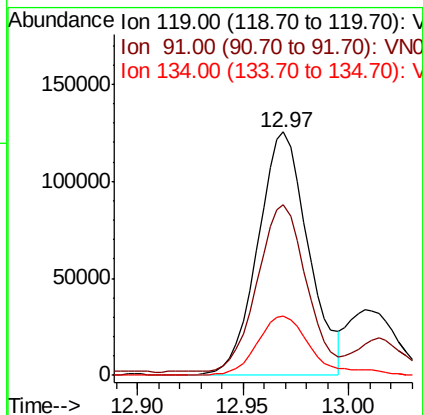
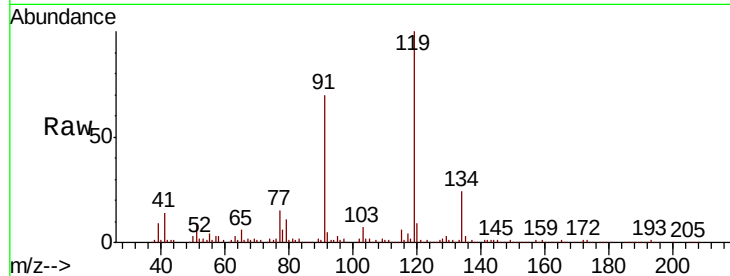




#83
 tert-Butylbenzene
 Concen: 16.292 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

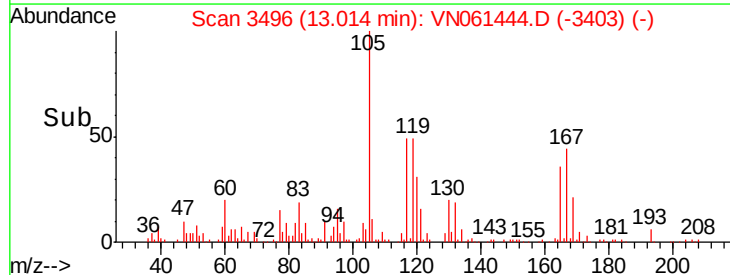
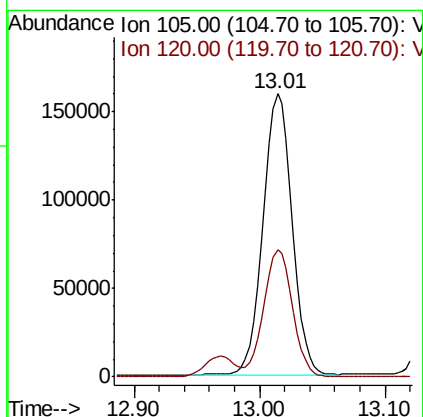
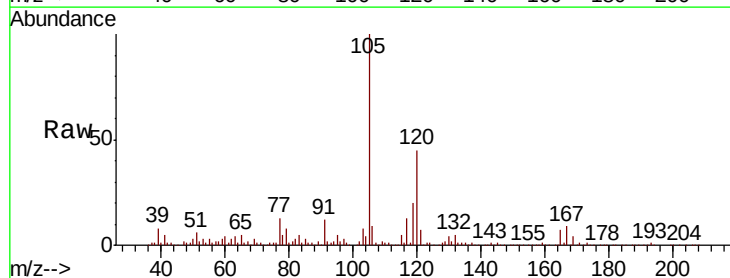
Instrument :
 MSVOA_N
 ClientSampleId :

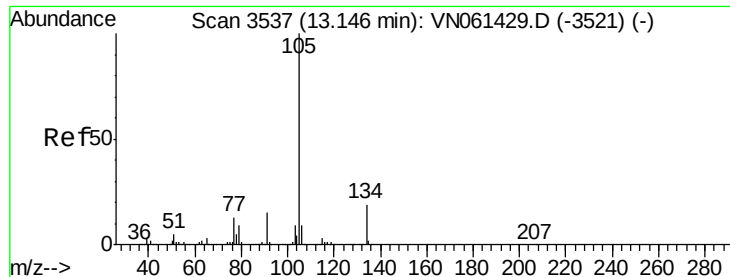
Tot Ion:119 Resp: 207169
 Ion Ratio Lower Upper
 119 100
 91 67.1 33.7 101.0
 134 26.7 12.8 38.3



#84
 1,2,4-Trimethylbenzene
 Concen: 17.402 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion:105 Resp: 258531
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.3





#85

sec-Butylbenzene

Concen: 15.916 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

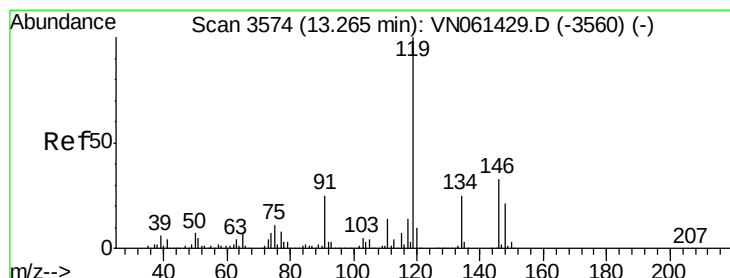
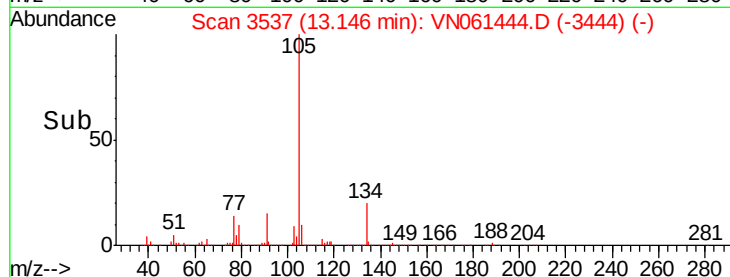
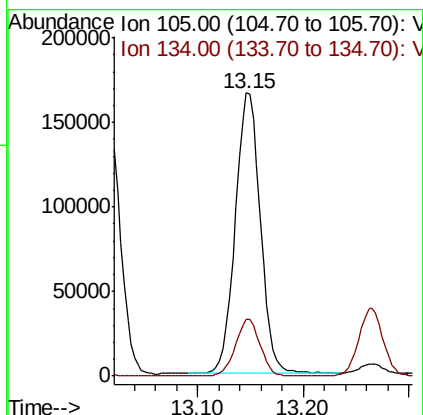
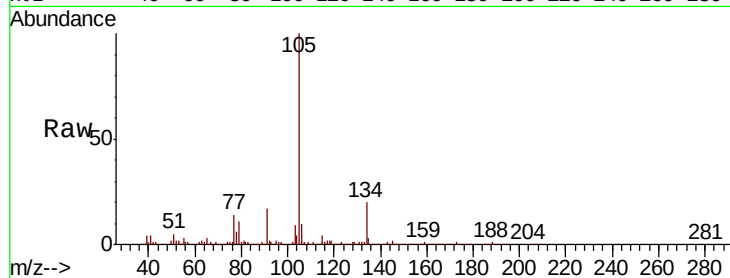
ClientSampleId :

Tot Ion:105 Resp: 273676

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5



#86

p-Isopropyltoluene

Concen: 15.857 ug/l

RT: 13.27 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

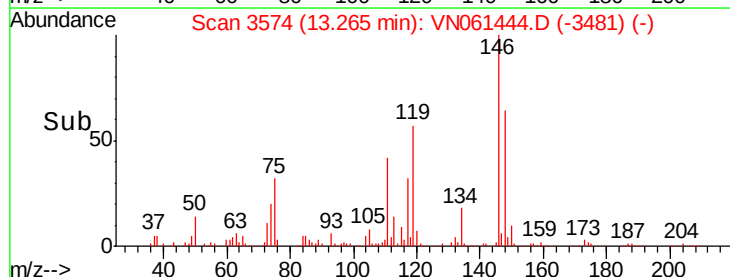
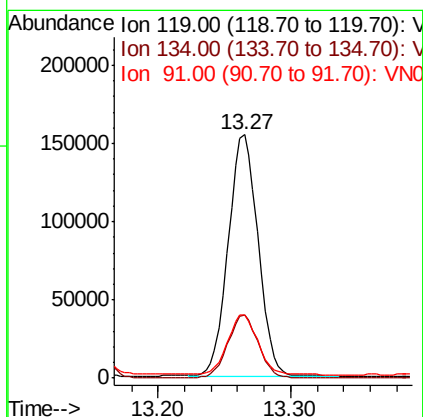
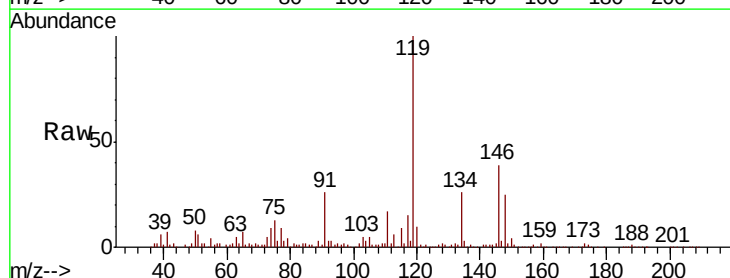
Tgt Ion:119 Resp: 242107

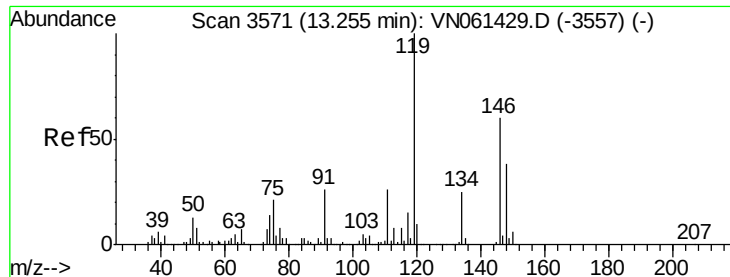
Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

91 24.2 12.6 37.6

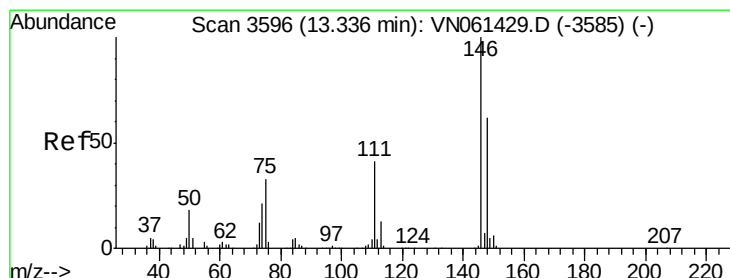
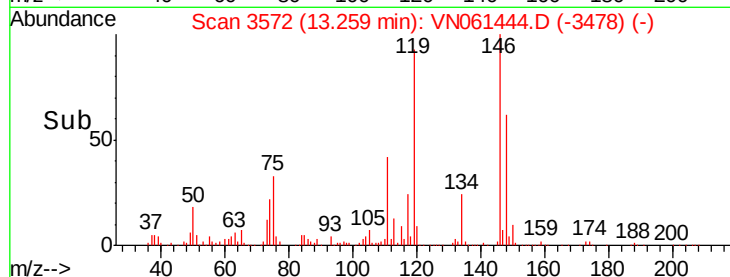
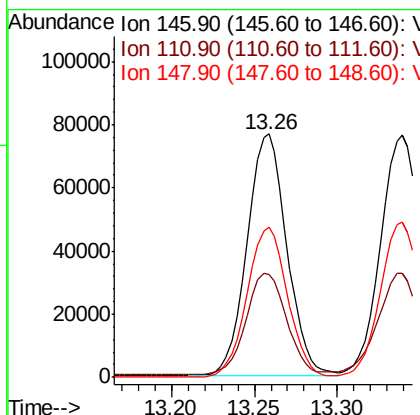
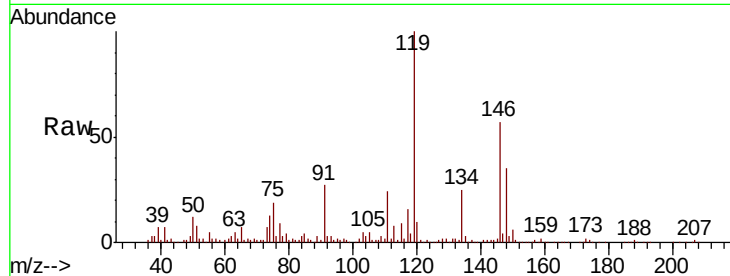




#87
 1,3-Dichlorobenzene
 Concen: 17.731 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

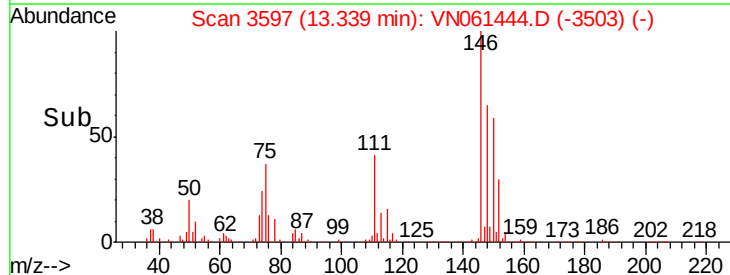
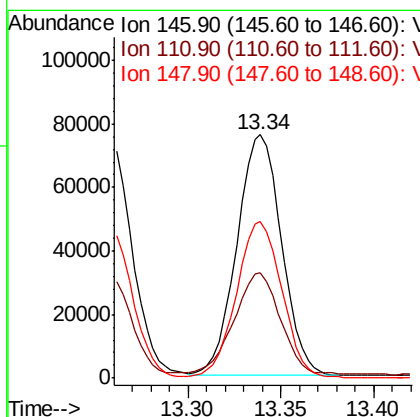
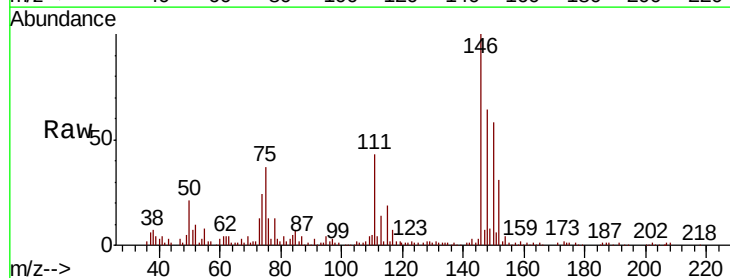
Instrument :
 MSVOA_N
 ClientSampled :

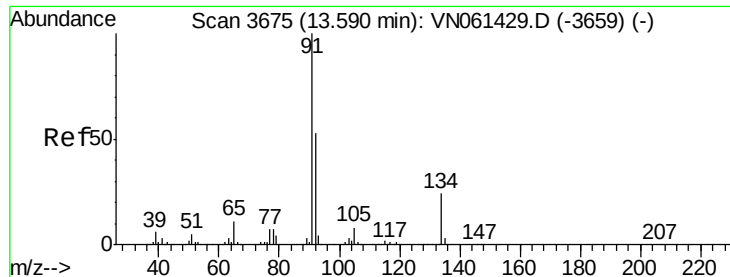
Tot Ion:146 Resp: 127682
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.5 64.5
 148 63.4 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 17.574 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion:146 Resp: 126736
 Ion Ratio Lower Upper
 146 100
 111 44.0 20.8 62.5
 148 66.0 31.6 94.8





#89

n-Butylbenzene

Concen: 15.059 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

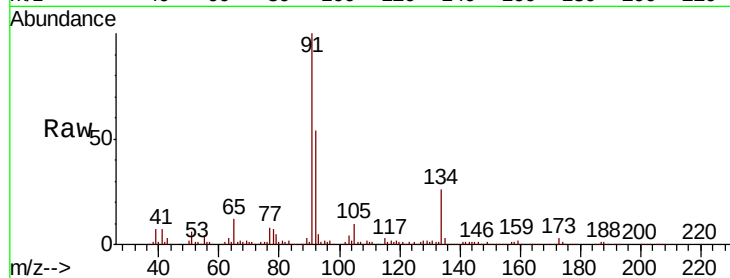
Tot Ion: 91 Resp: 208891

Ion Ratio Lower Upper

91 100

92 53.7 26.8 80.3

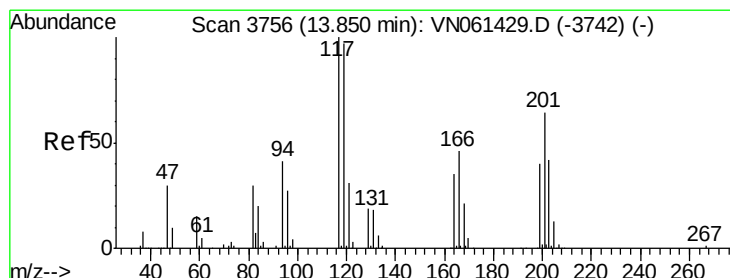
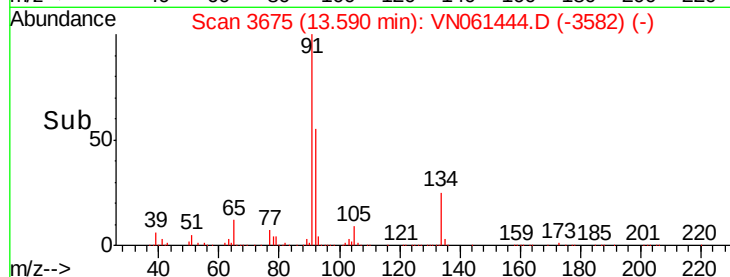
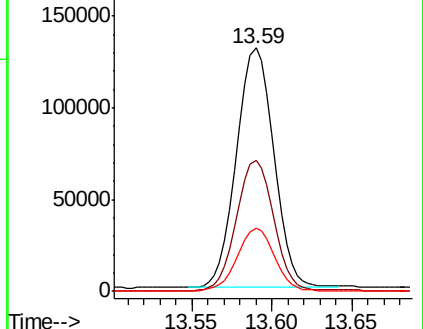
134 25.5 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3659) (-)

Ion 92.00 (91.70 to 92.70): VN061429.D (-3659) (-)

Ion 134.00 (133.70 to 134.70): VN061429.D (-3659) (-)



#90

Hexachloroethane

Concen: 15.069 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061444.D

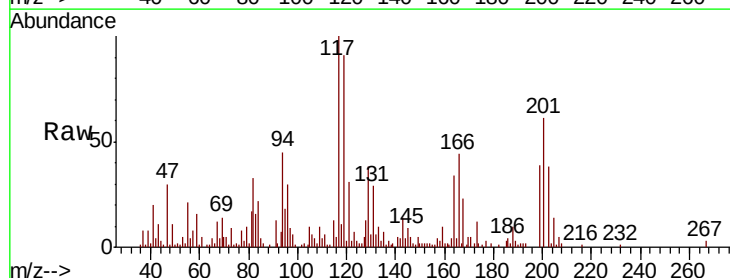
Acq: 18 May 2020 19:00

Tgt Ion: 117 Resp: 31182

Ion Ratio Lower Upper

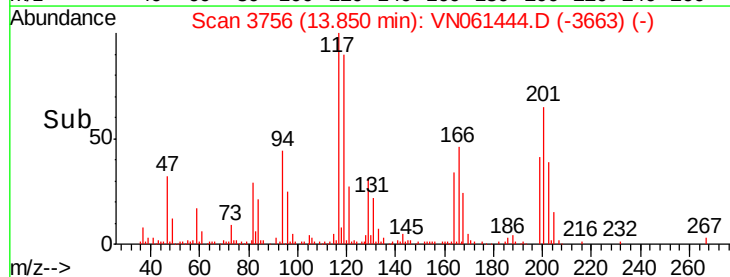
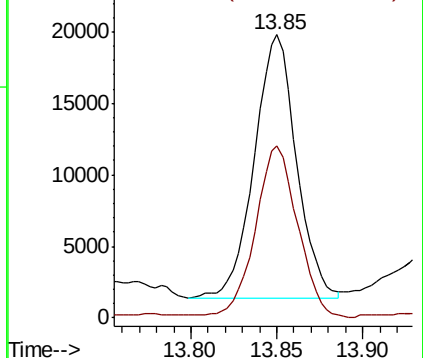
117 100

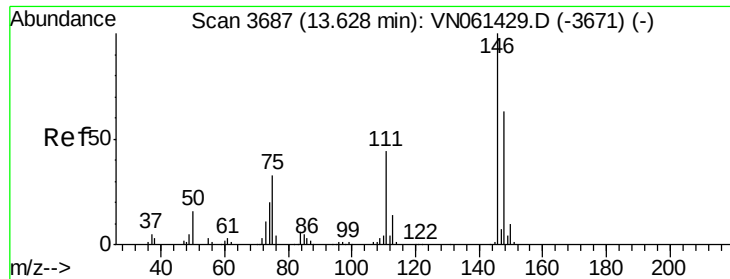
201 66.0 32.9 98.7



Abundance Ion 116.80 (116.50 to 117.50): VN061429.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN061429.D (-3742) (-)

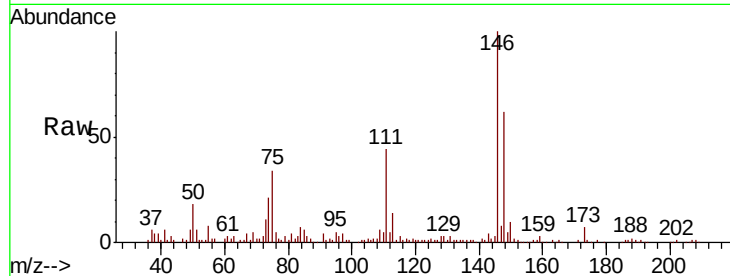




#91
 1,2-Dichlorobenzene
 Concen: 18.009 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.9	65.7
148	62.5	31.6	94.7

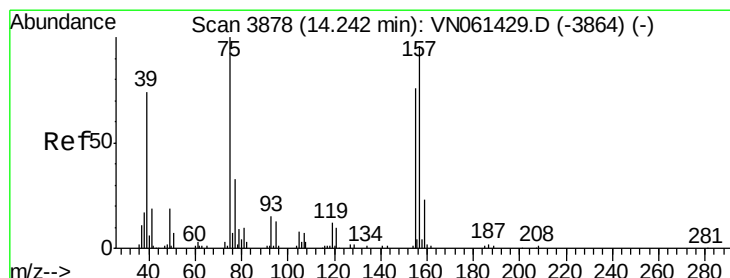
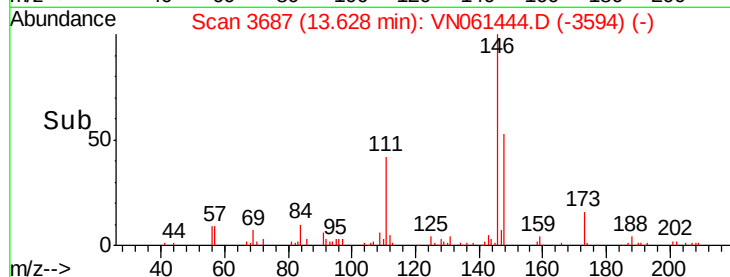
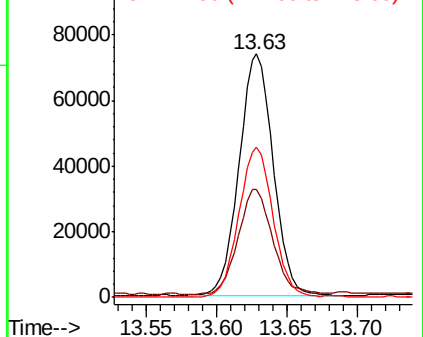


Abundance

Ion 145.90 (145.60 to 146.60): V

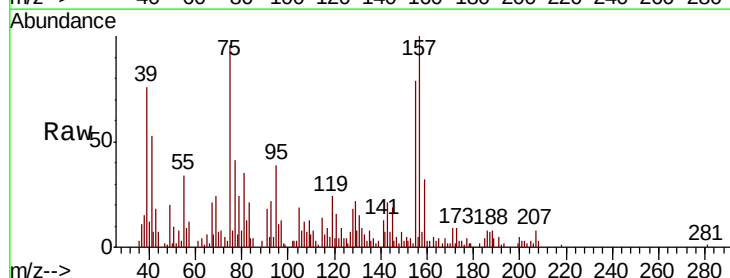
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.778 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	38.9	116.7
157	93.7	48.6	145.8

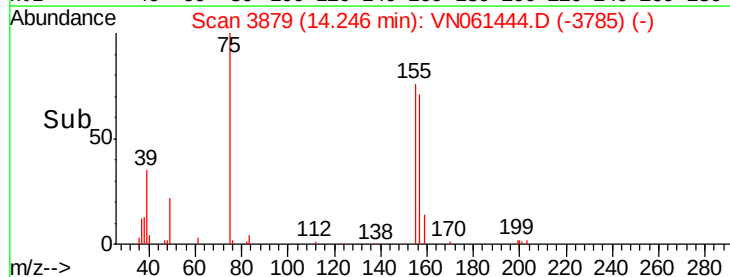
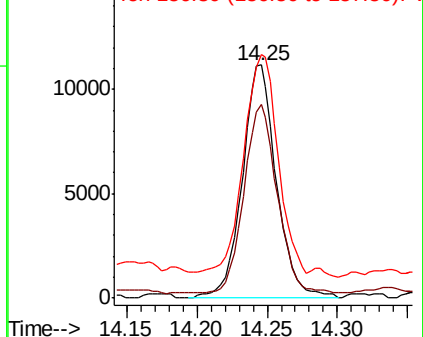


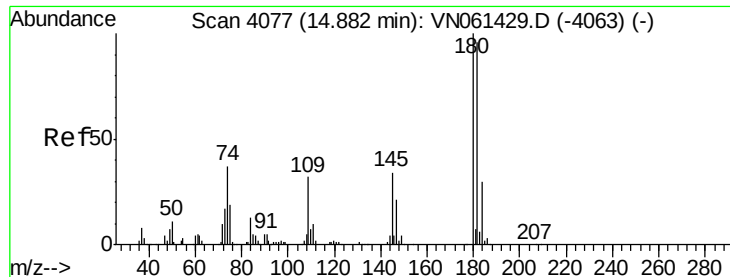
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

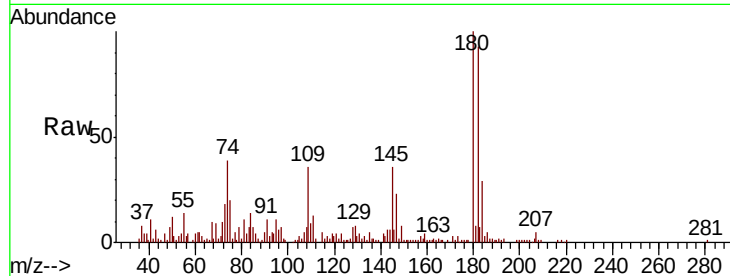




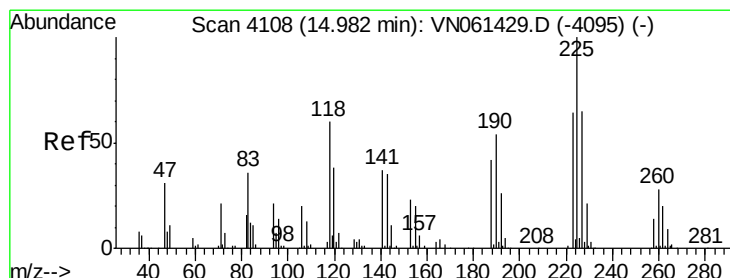
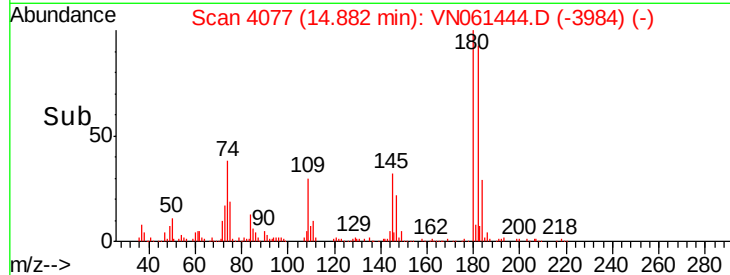
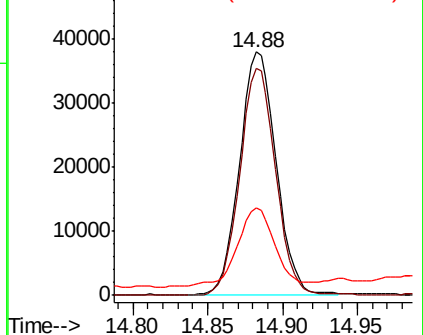
#93
 1,2,4-Trichlorobenzene
 Concen: 17.285 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 64740
 Ion Ratio Lower Upper
 180 100
 182 91.2 47.0 141.0
 145 32.2 16.7 50.0

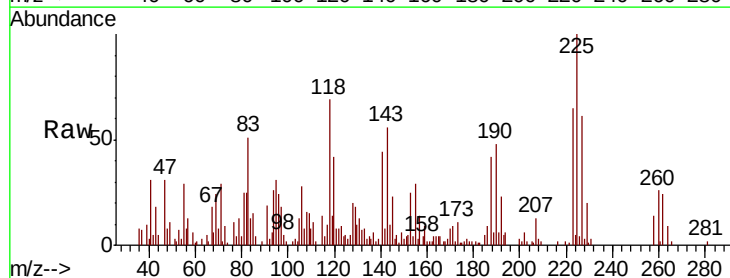


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

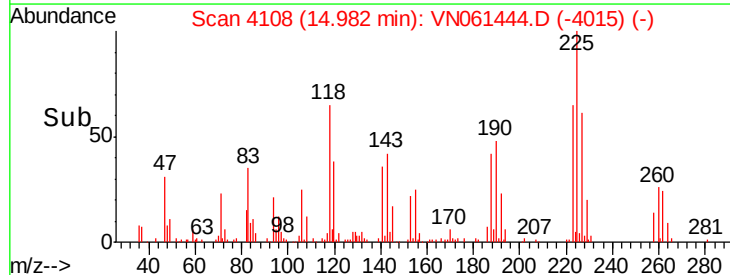
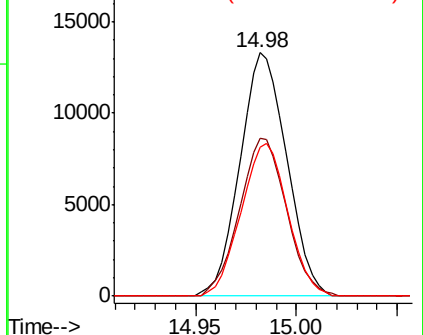


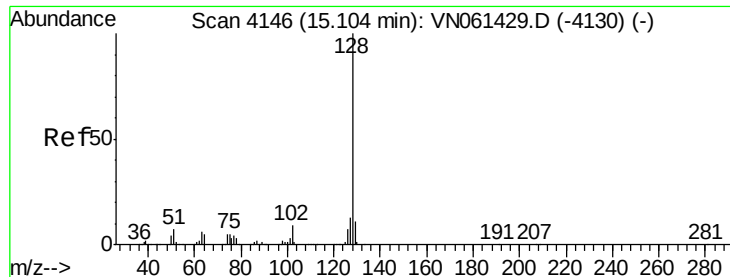
#94
 Hexachlorobutadiene
 Concen: 12.978 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Tgt Ion:225 Resp: 21597
 Ion Ratio Lower Upper
 225 100
 223 65.1 31.9 95.7
 227 62.5 31.5 94.5



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: 19.637 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

Instrument :

MSVOA_N

ClientSampleId :

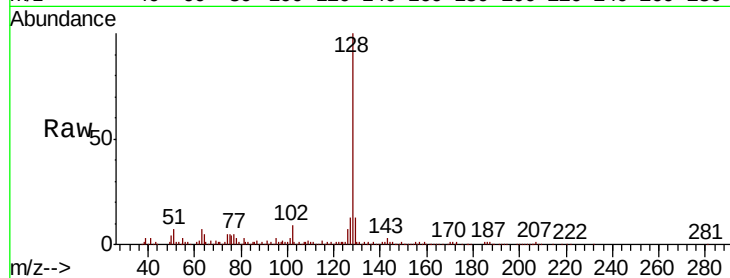
Tot Ion:128 Resp: 233817

Ion Ratio Lower Upper

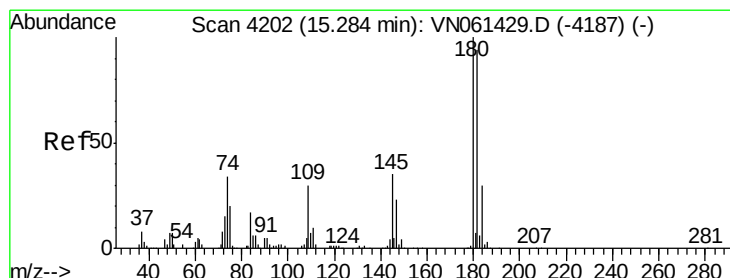
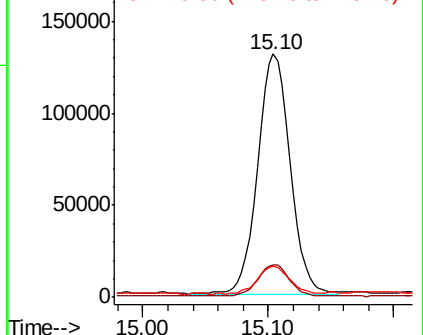
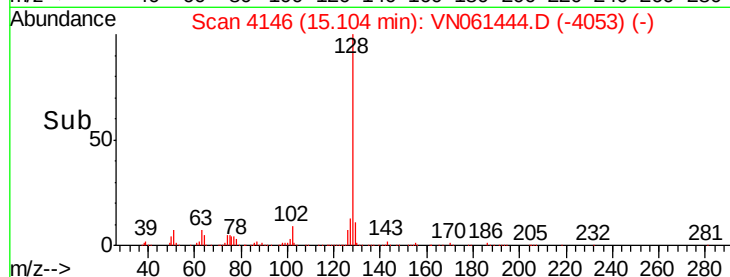
128 100

127 12.5 10.1 15.1

129 11.1 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: 16.936 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

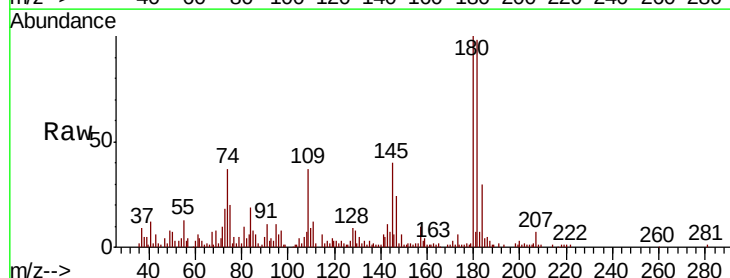
Tgt Ion:180 Resp: 63146

Ion Ratio Lower Upper

180 100

182 95.1 47.8 143.3

145 35.3 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

