

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 :
 VN0518WBSD01

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

Target Compounds	R.T.	QIon	Response	Conc	Units	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

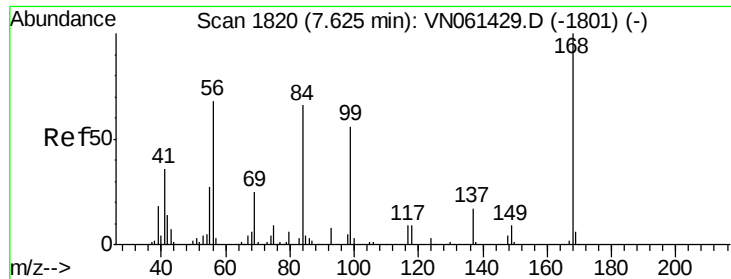
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
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Quant Title : SW846 8260
QLast Update : Mon May 18 13:09:55 2020
Response via : Initial Calibration

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



#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

ClientSampleId :

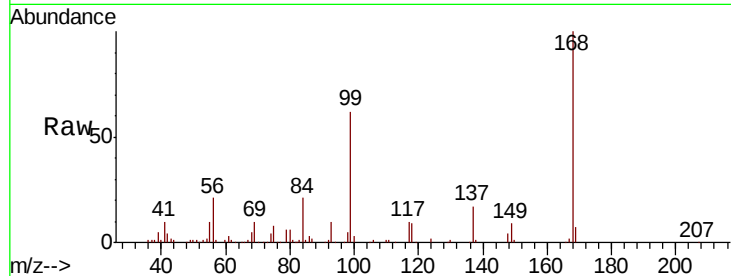
VN0518WBSD01

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): VN0

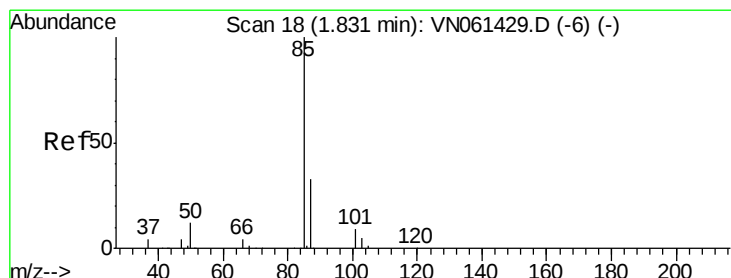
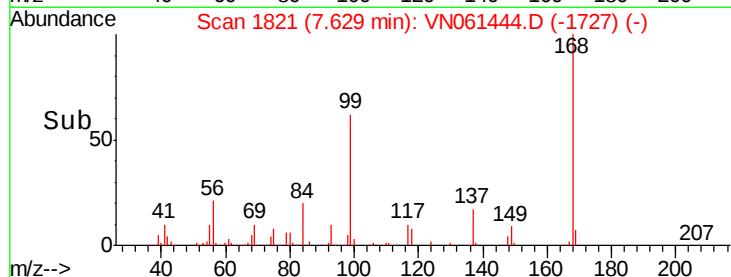
7.63

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.894 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061444.D

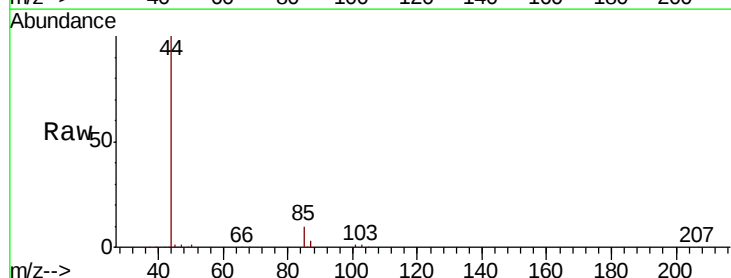
Acq: 18 May 2020 19:00

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): VN0

Ion 86.90 (86.60 to 87.60): VN0

40000

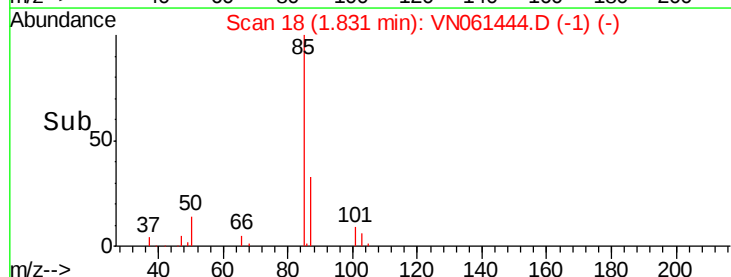
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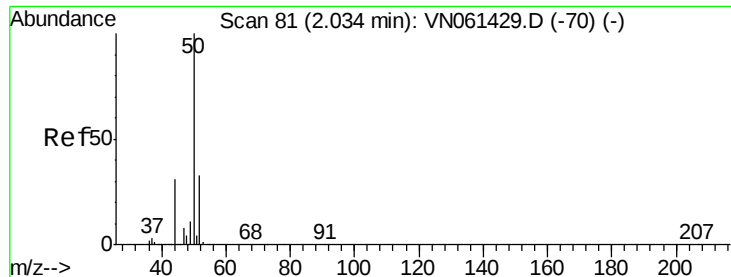
20000

10000

0

Time-->





#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 :

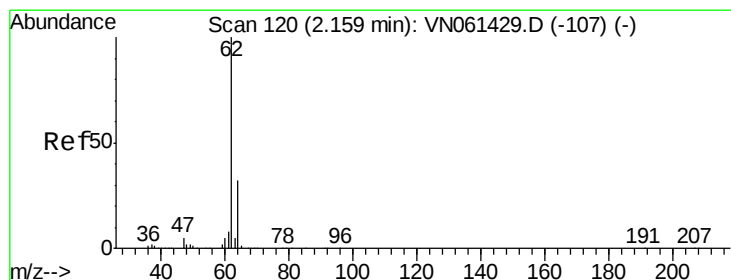
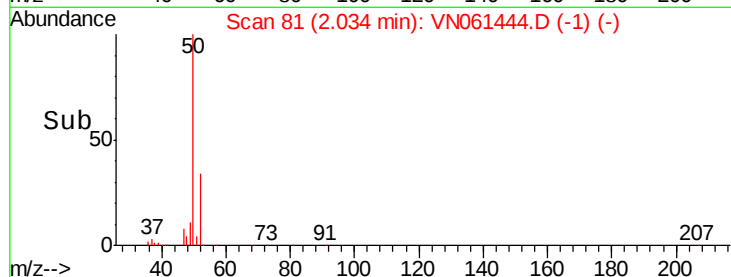
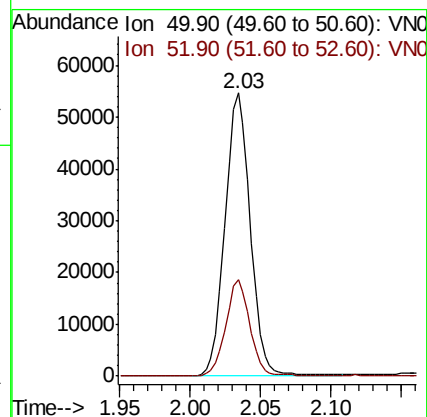
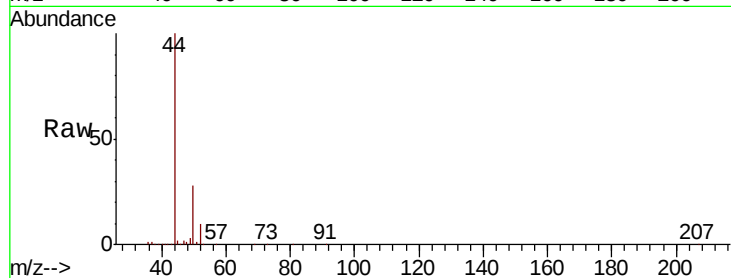
VN0518WBSD01

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

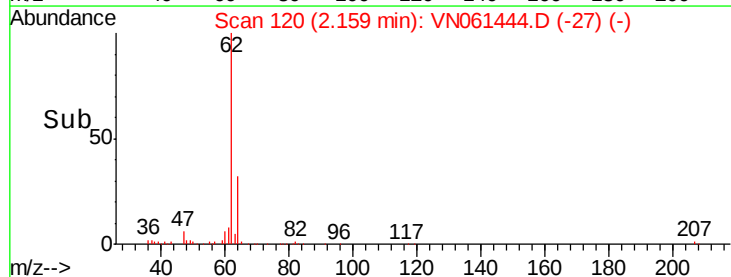
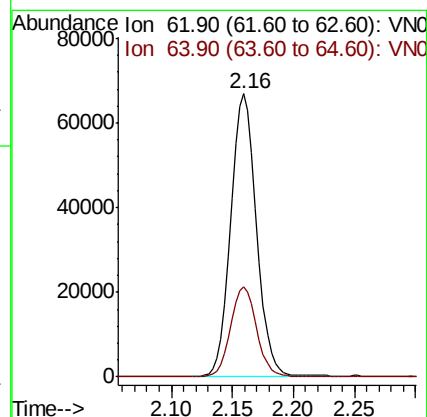
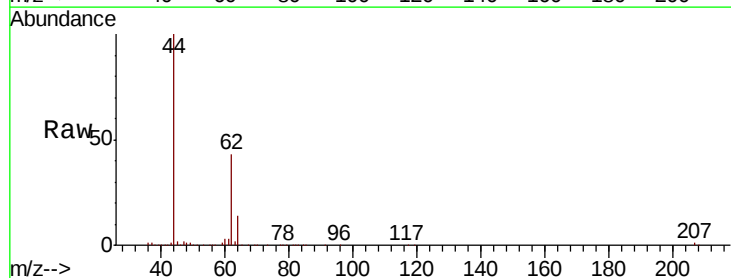
Acq: 18 May 2020 19:00

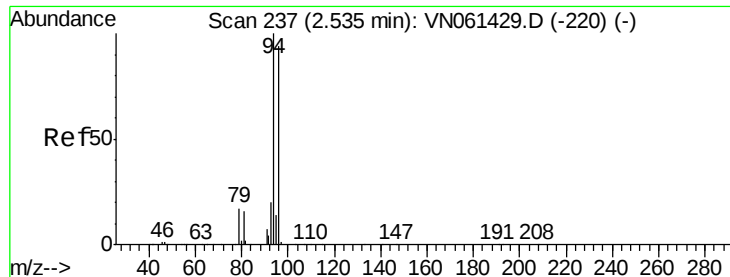
Tgt Ion: 62 Resp: 99798

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 :

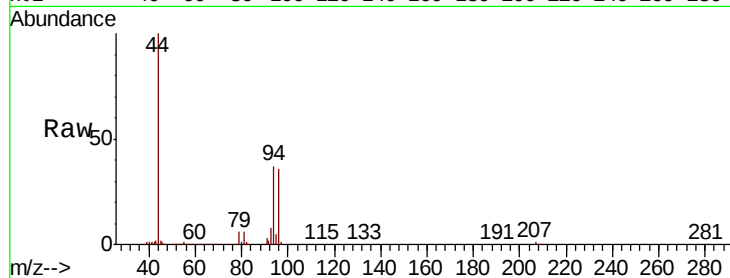
VN0518WBSD01

Tot Ion: 94 Resp: 54340

Ion Ratio Lower Upper

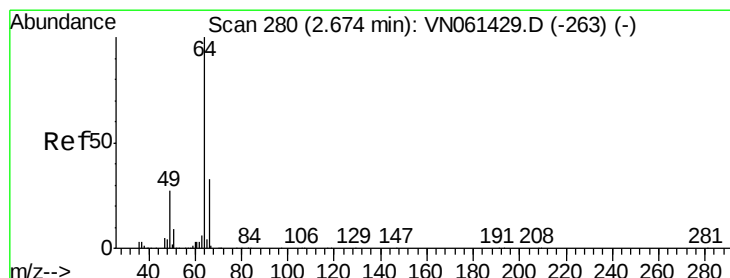
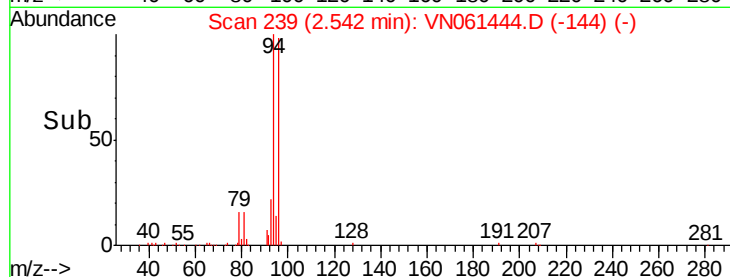
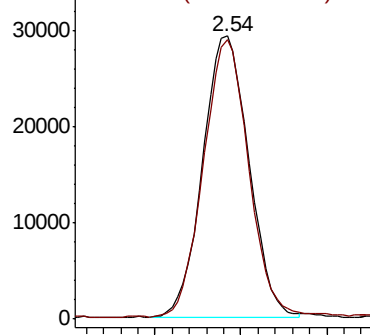
94 100

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

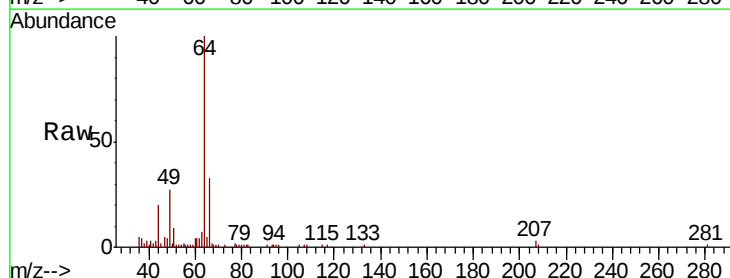
Acq: 18 May 2020 19:00

Tgt Ion: 64 Resp: 65013

Ion Ratio Lower Upper

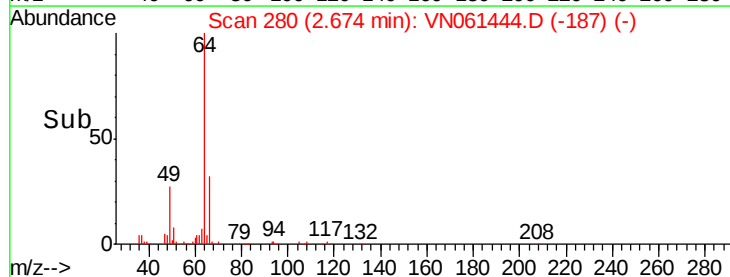
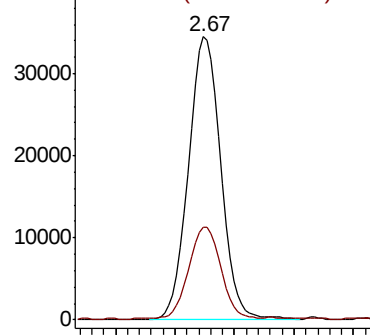
64 100

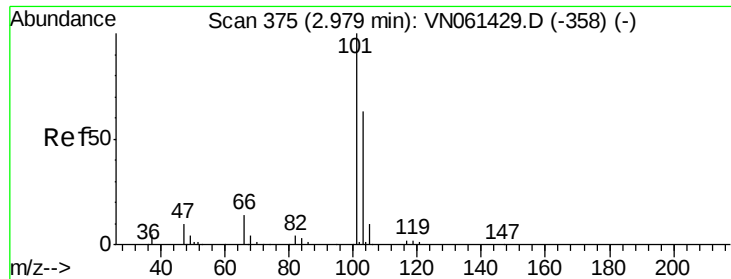
66 32.1 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



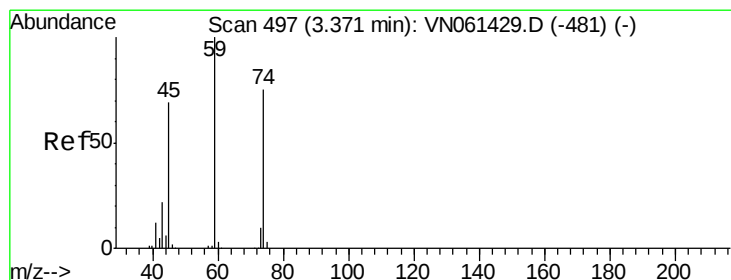
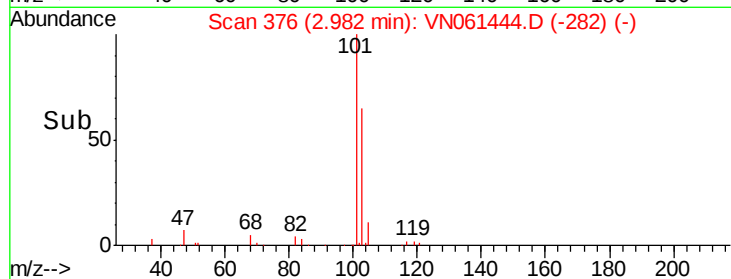
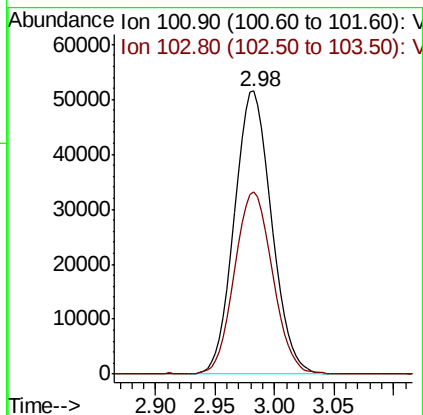
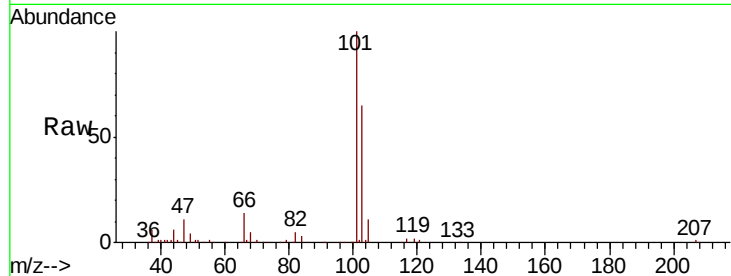


#7

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 :
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 VN0518WBSD01

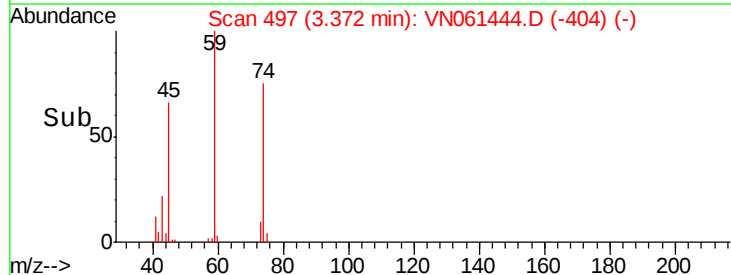
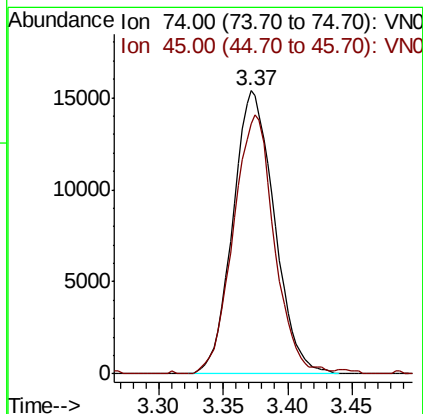
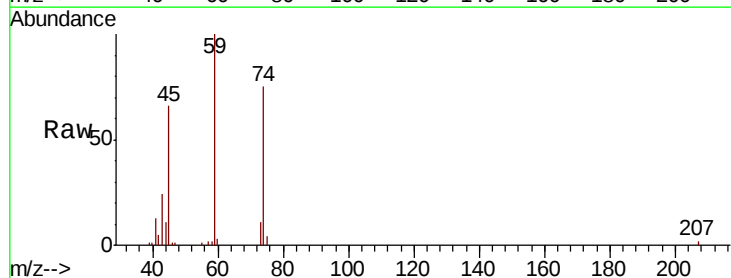
Tot Ion:101 Resp: 111976
 Ion Ratio Lower Upper
 101 100
 103 64.5 50.2 75.4

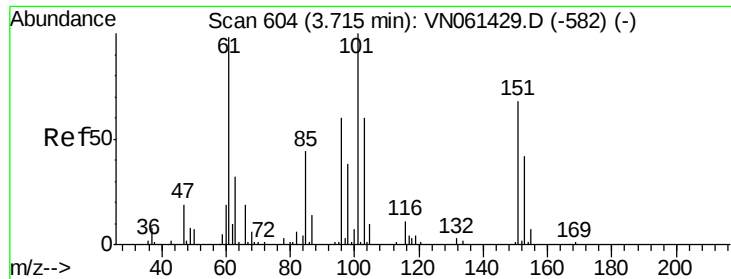


#8

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 :

VN0518WBSD01

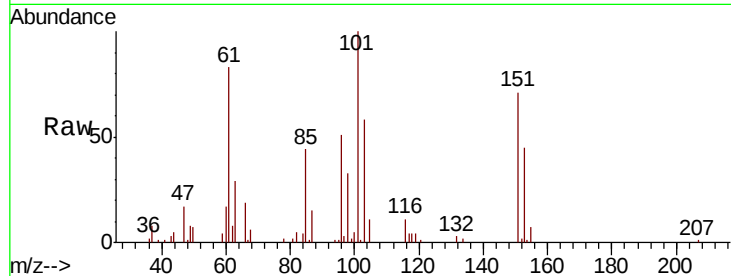
Tot Ion:101 Resp: 49423

Ion Ratio Lower Upper

101 100

85 44.1 36.6 55.0

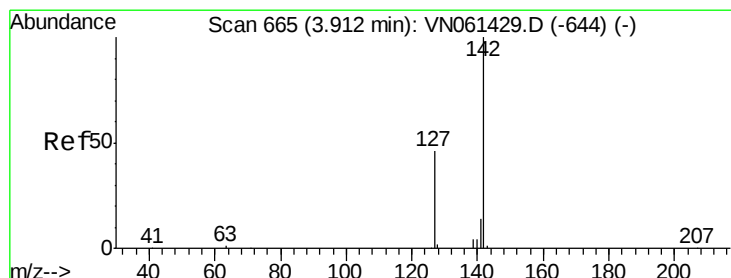
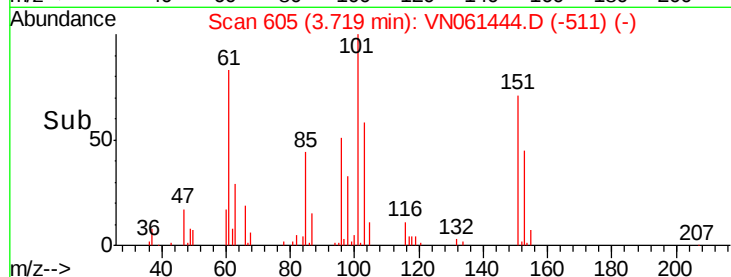
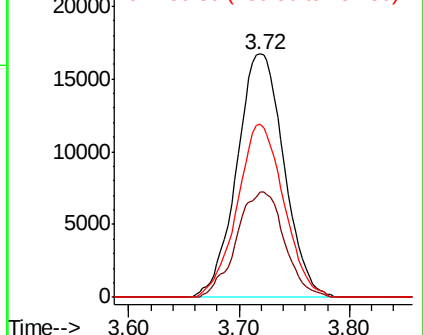
151 70.5 56.3 84.5



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

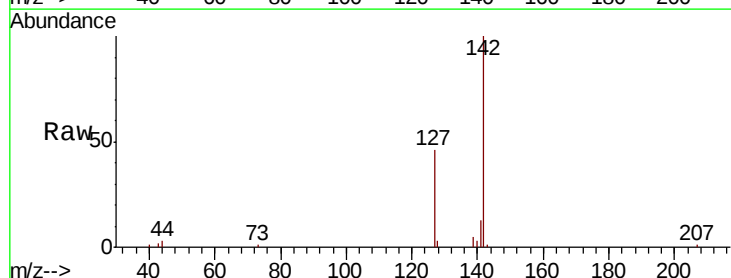
Tgt Ion:142 Resp: 61947

Ion Ratio Lower Upper

142 100

127 45.5 36.7 55.1

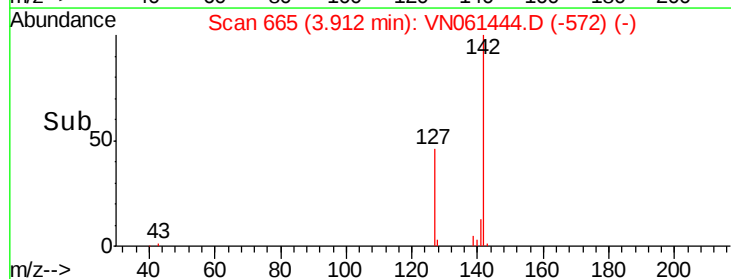
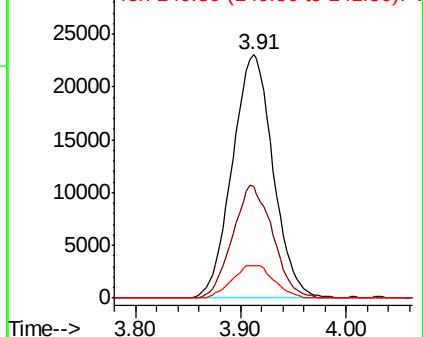
141 13.8 11.5 17.3

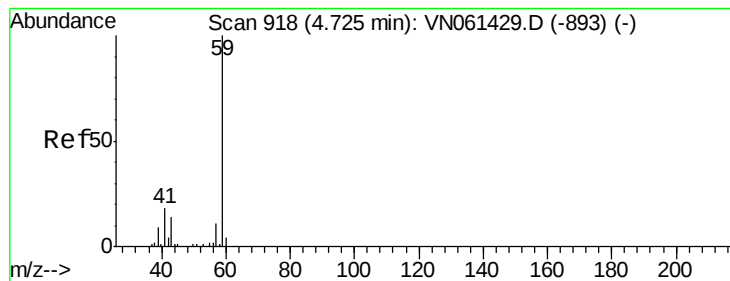


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



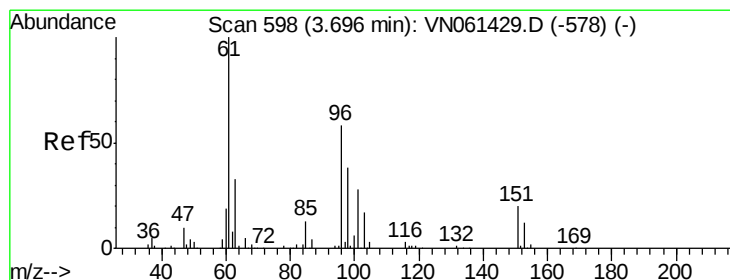
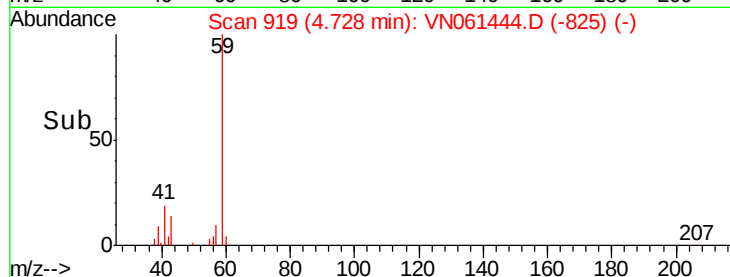
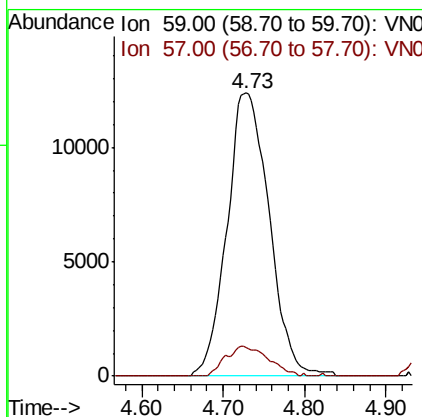
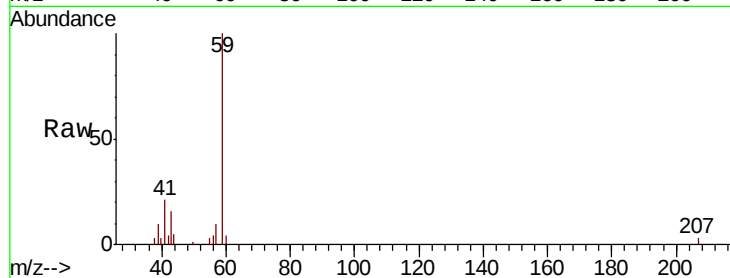


#11

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
 ClientSampleId :
 VN0518WBSD01

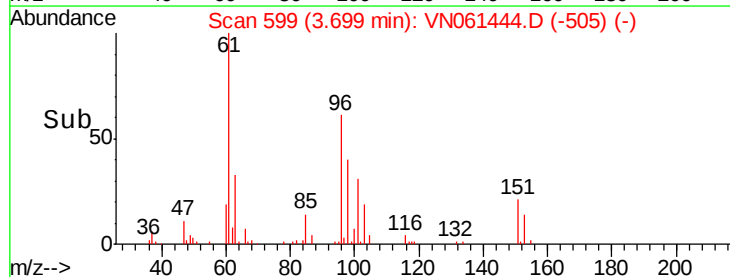
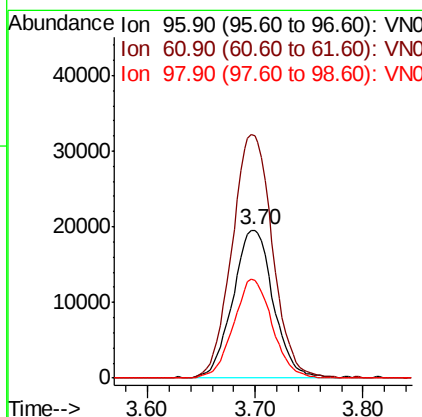
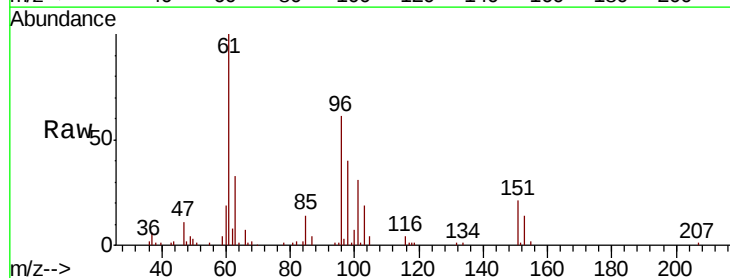
Tot Ion: 59 Resp: 44555
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.2 12.2

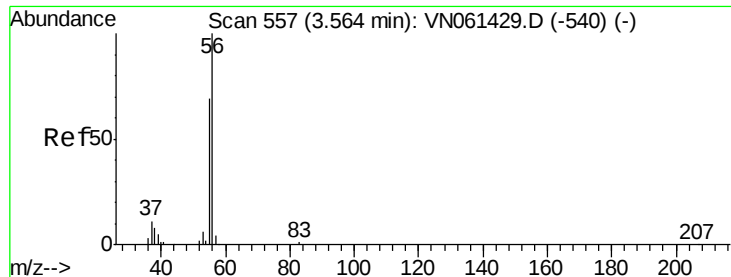


#12

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





#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 :

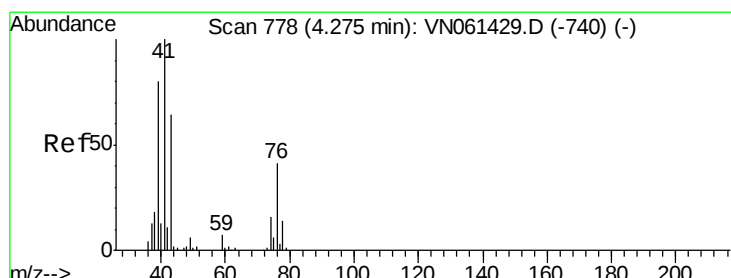
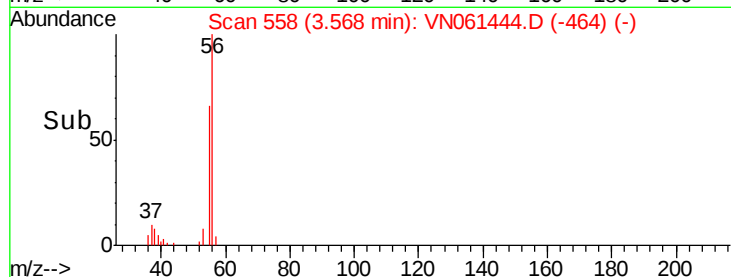
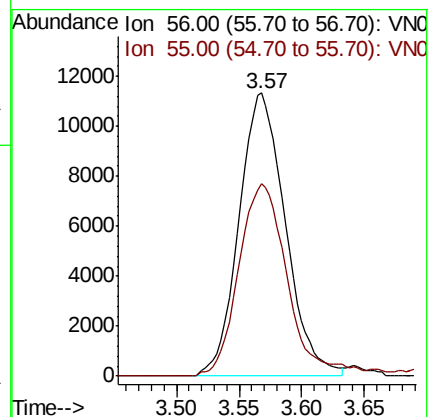
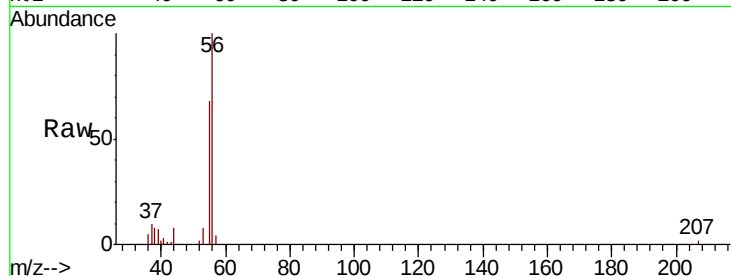
VN0518WBSD01

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

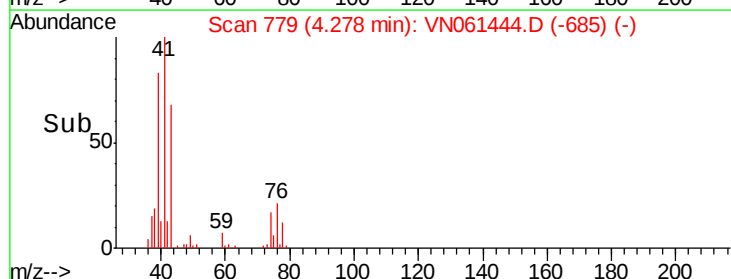
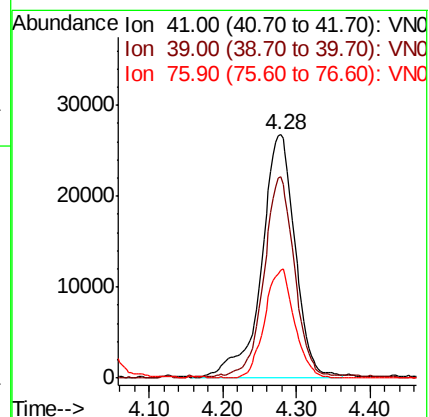
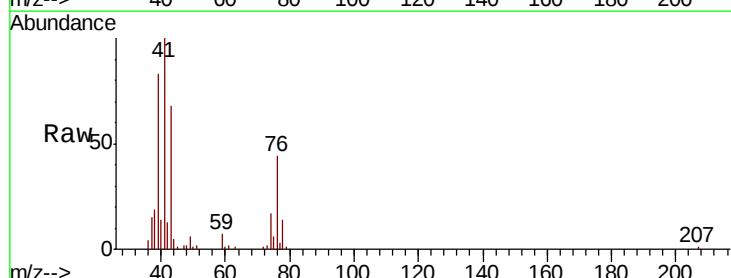
Tgt Ion: 41 Resp: 85338

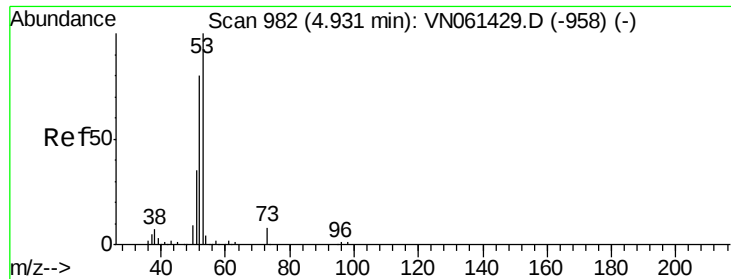
Ion Ratio Lower Upper

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

ClientSampleId :

VN0518WBSD01

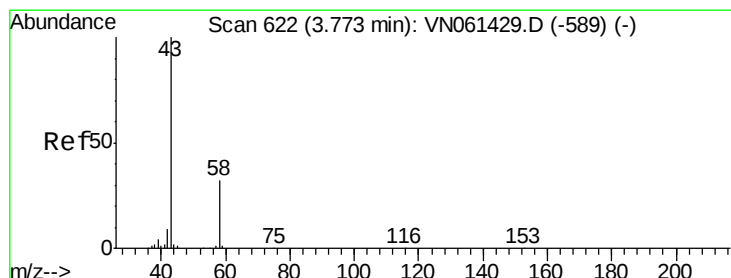
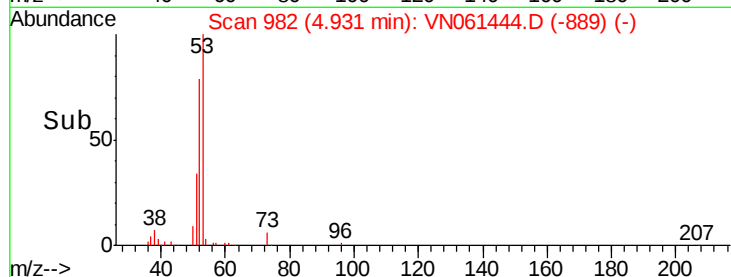
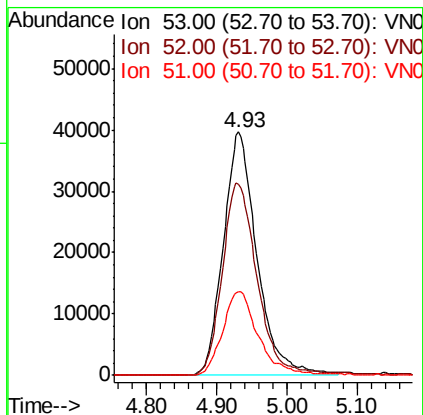
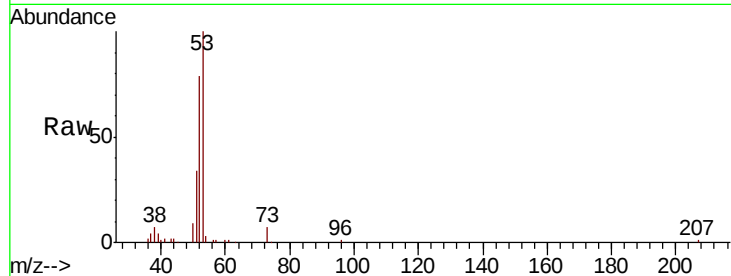
Tot Ion: 53 Resp: 132043

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

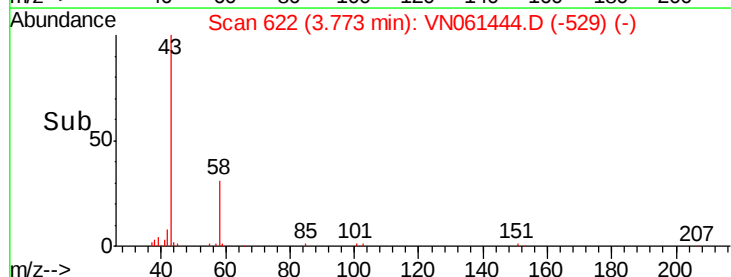
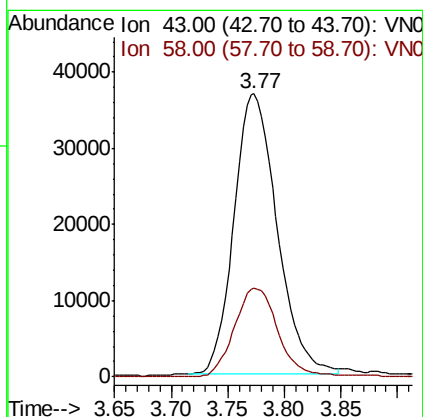
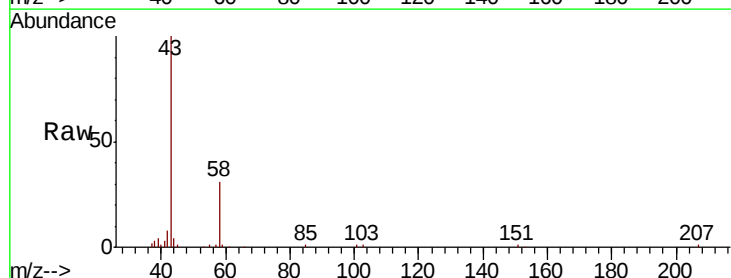
Acq: 18 May 2020 19:00

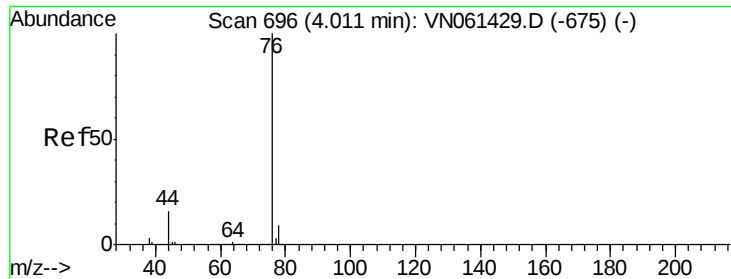
Tgt Ion: 43 Resp: 97658

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

ClientSampleId :

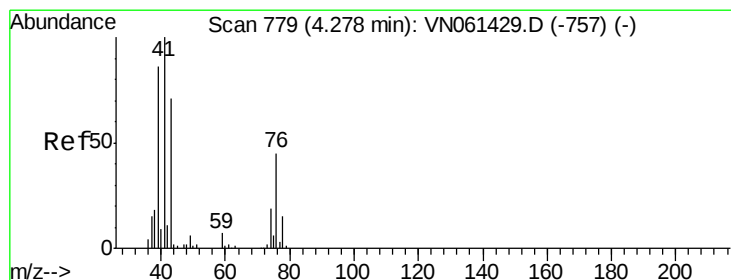
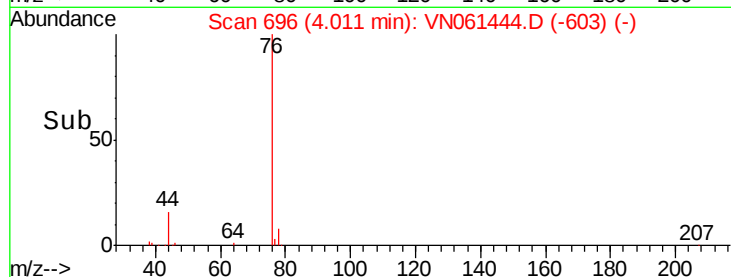
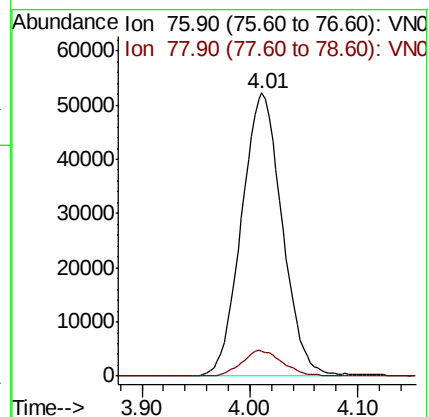
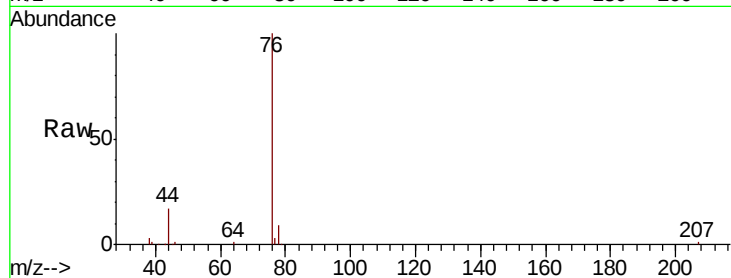
VN0518WBSD01

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

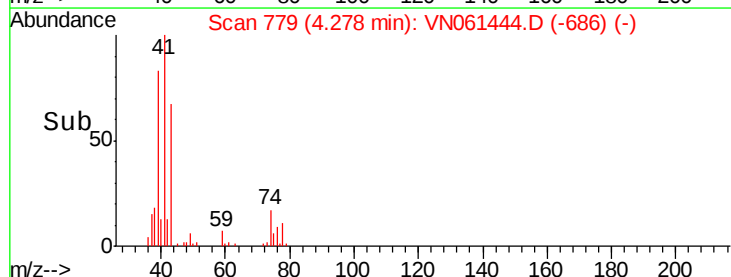
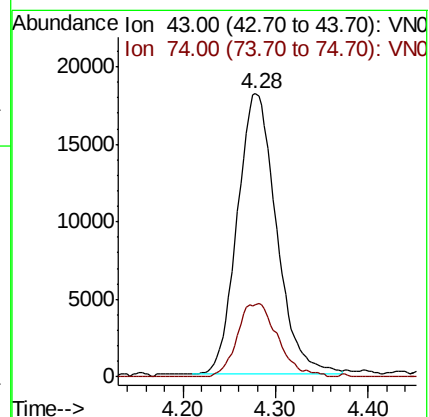
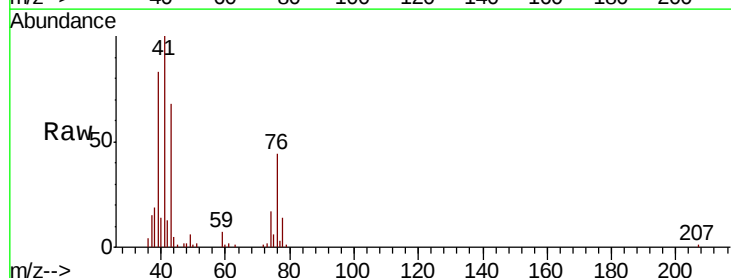
Acq: 18 May 2020 19:00

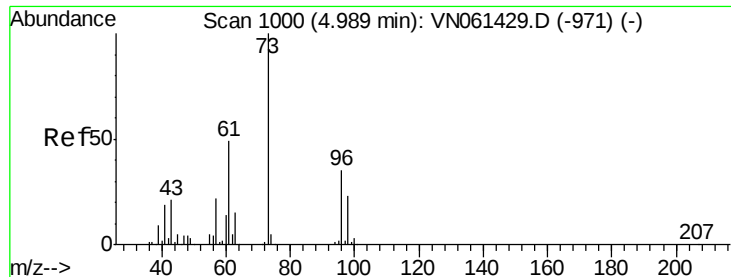
Tgt Ion: 43 Resp: 52936

Ion Ratio Lower Upper

43 100

74 27.1 20.8 31.2

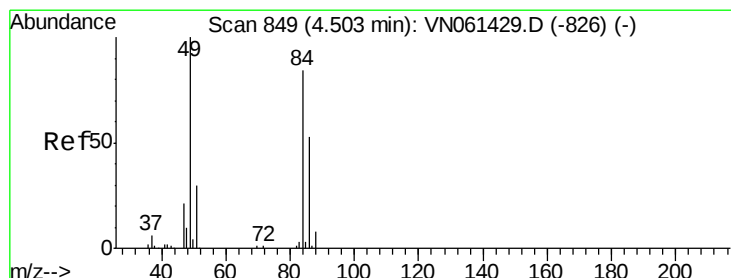
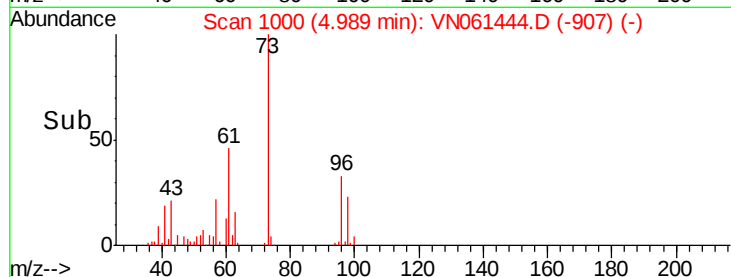
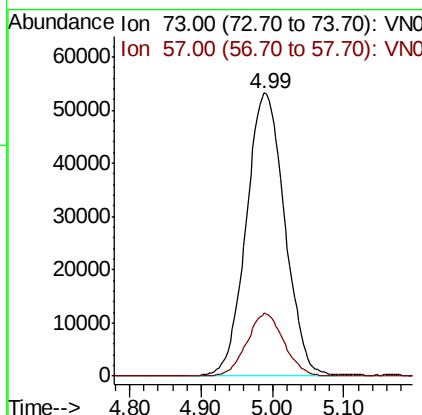
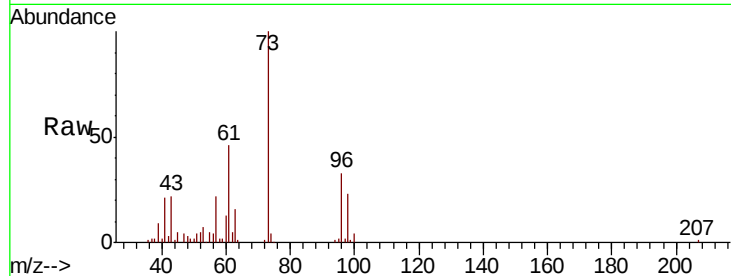




#19
Methvl tert-butvl Ether
Concen: 17.941 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

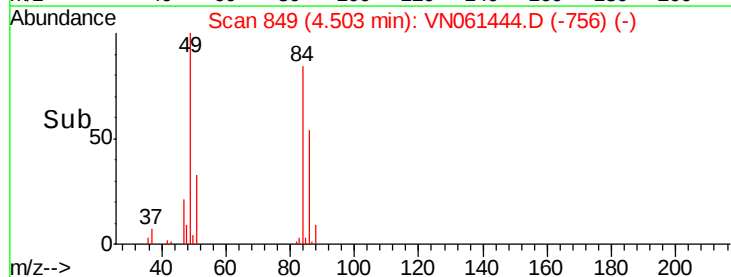
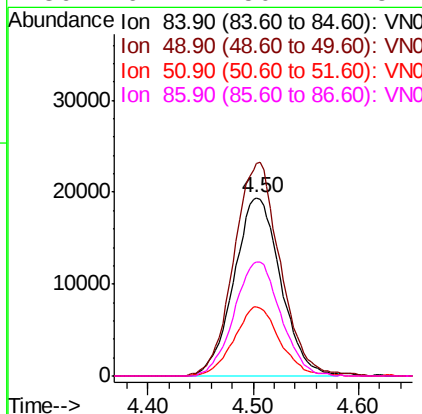
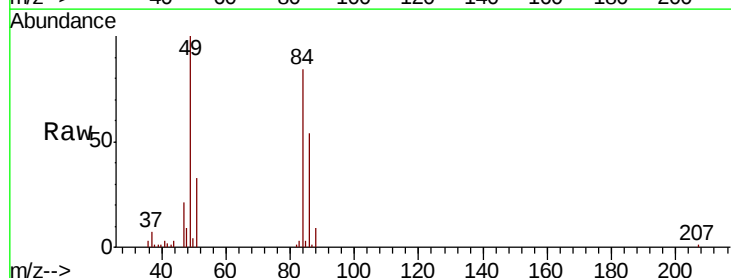
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

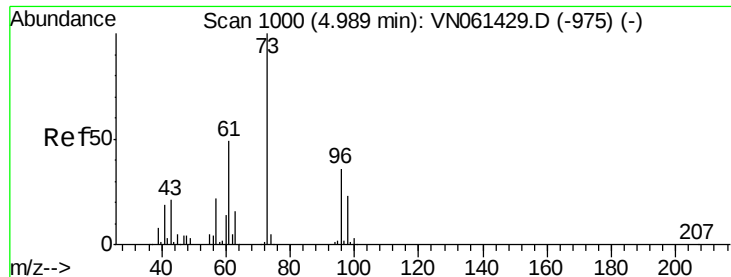
Tot Ion: 73 Resp: 199532
Ion Ratio Lower Upper
73 100
57 22.2 17.4 26.0



#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 :

VN0518WBSD01

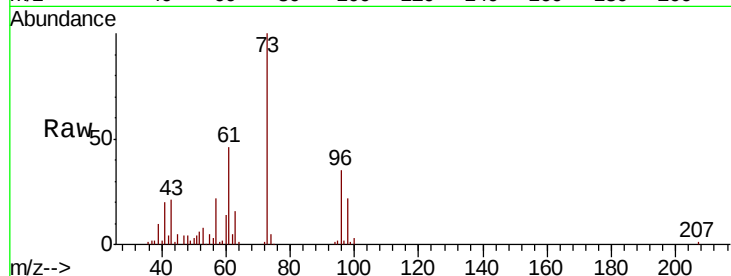
Tot Ion: 96 Resp: 58962

Ion Ratio Lower Upper

96 100

61 131.9 109.8 164.6

98 63.6 52.4 78.6

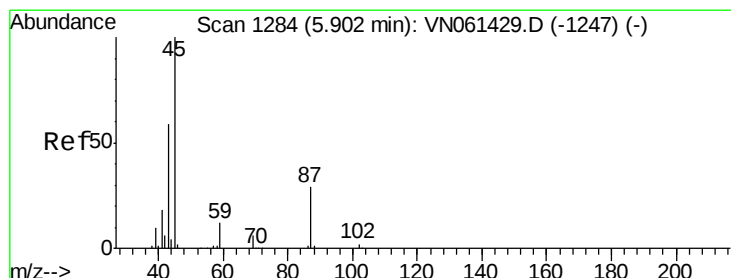
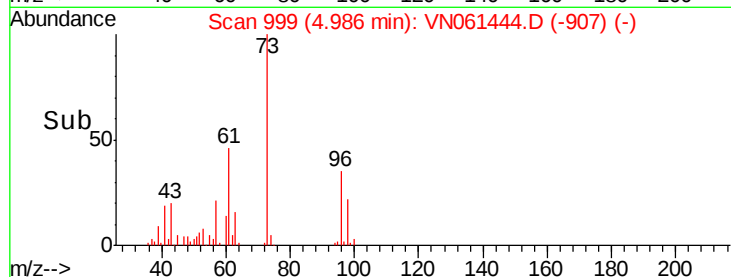
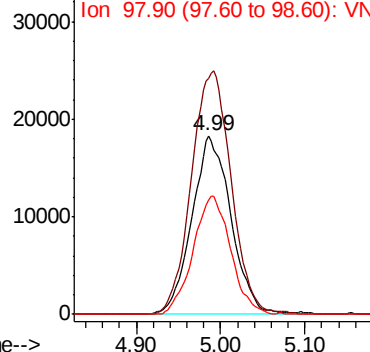


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 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

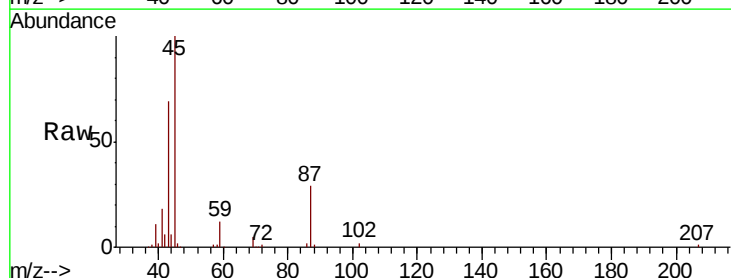
Ion Ratio Lower Upper

45 100

43 66.3 47.9 71.9

87 29.1 24.0 36.0

59 11.9 9.7 14.5



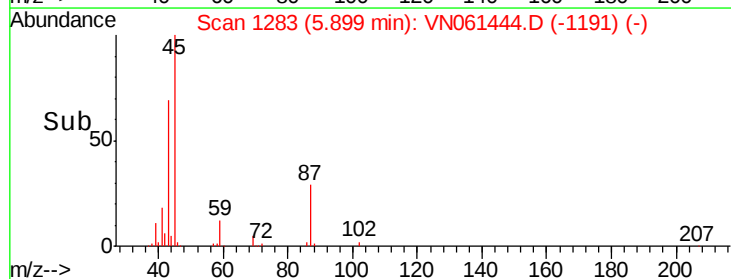
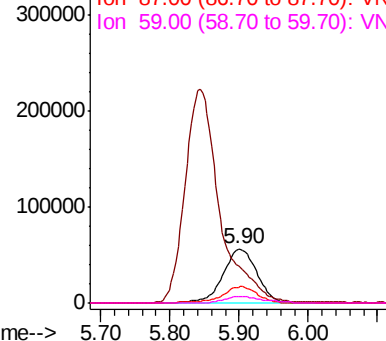
Abundance

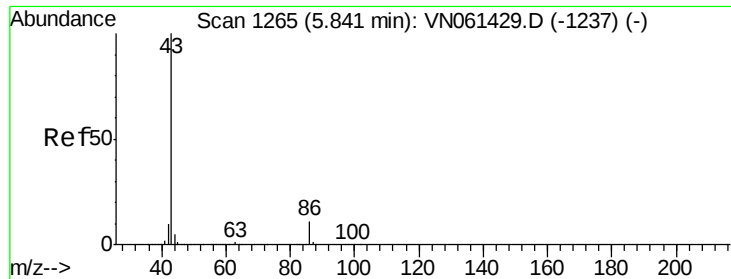
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 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 :

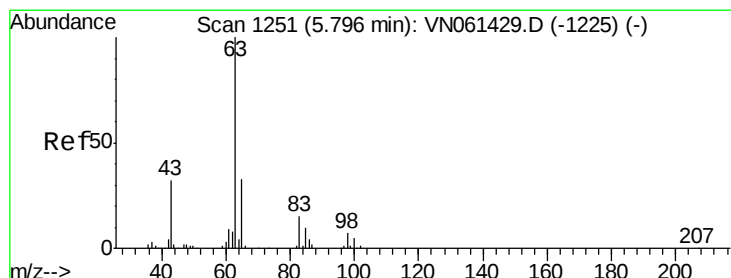
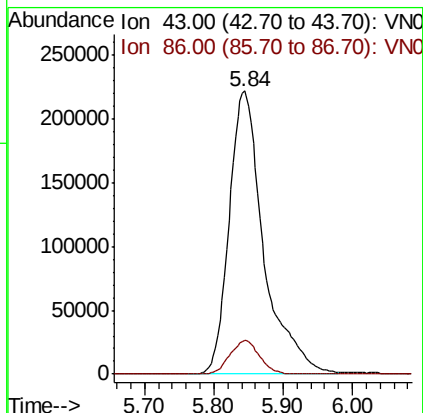
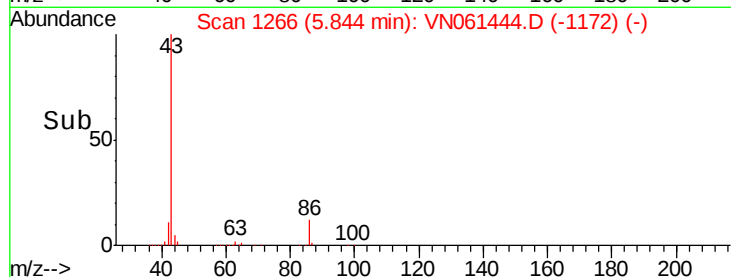
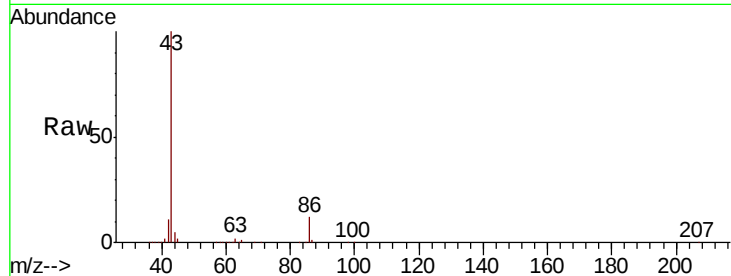
VN0518WBSD01

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

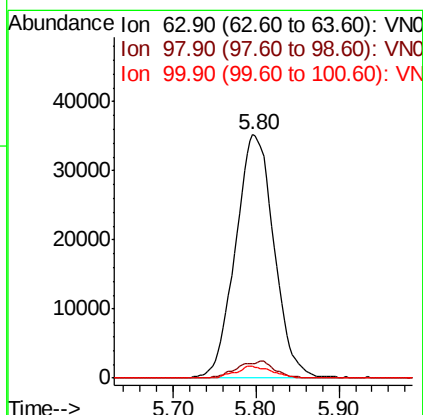
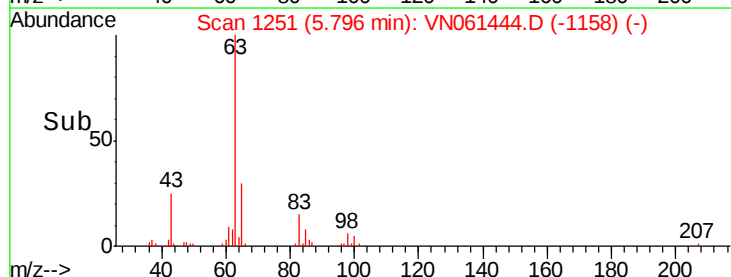
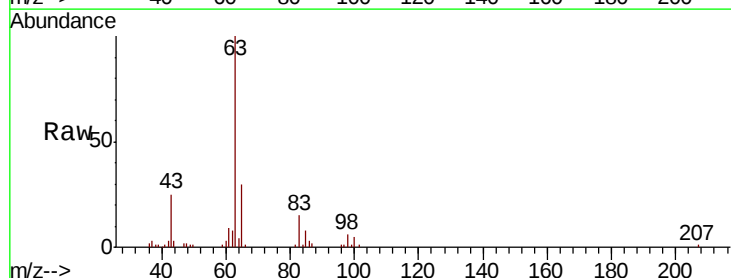
Tgt Ion: 63 Resp: 113545

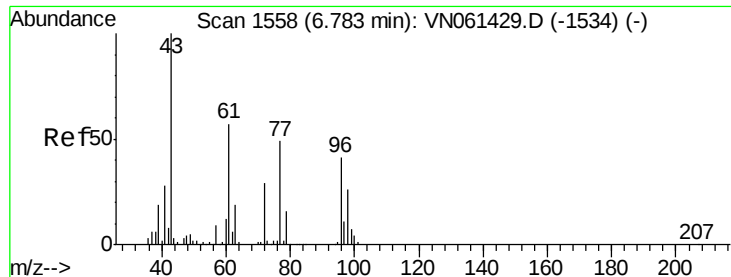
Ion Ratio Lower Upper

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

ClientSampleId :

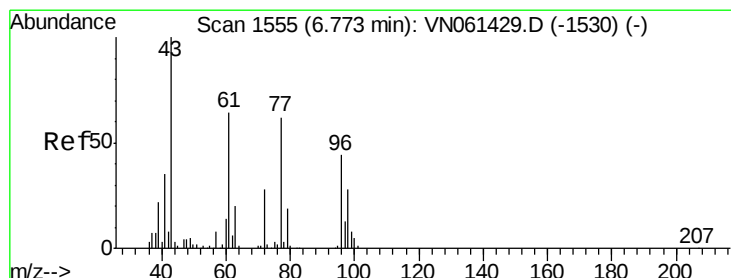
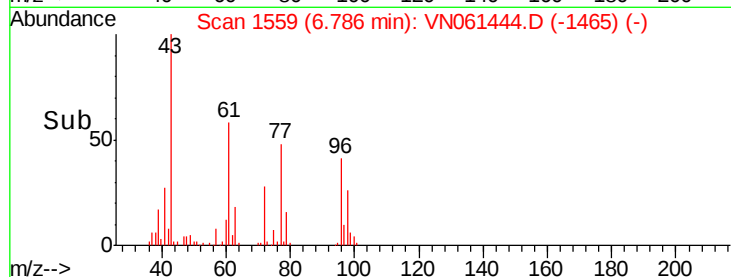
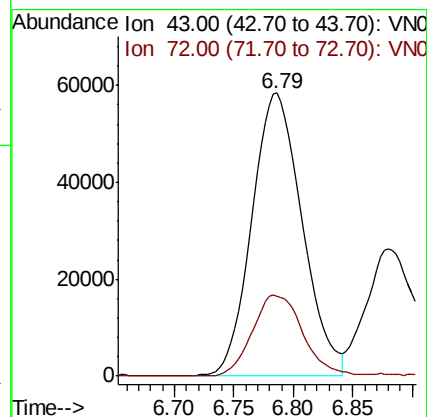
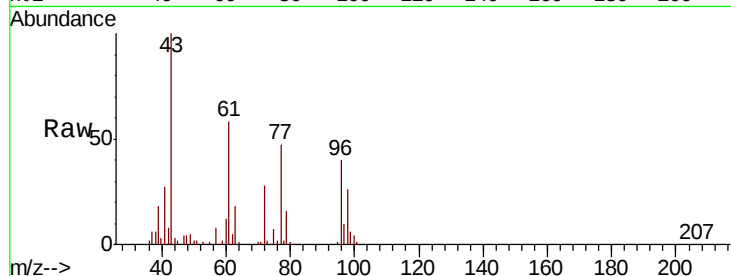
VN0518WBSD01

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

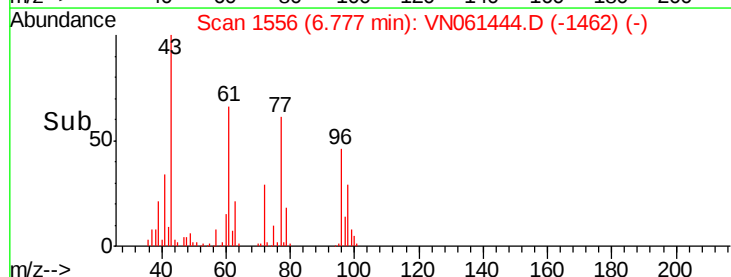
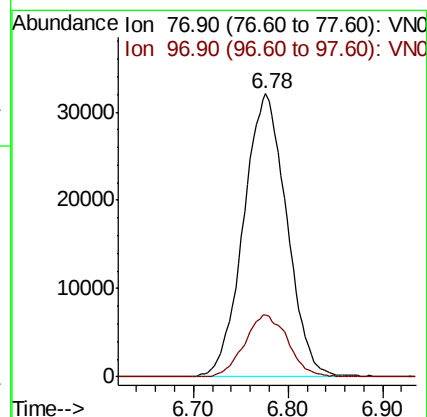
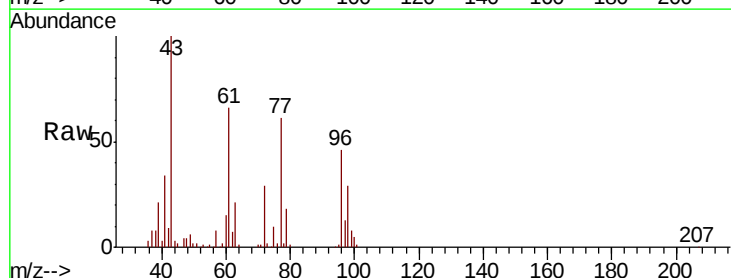
Acq: 18 May 2020 19:00

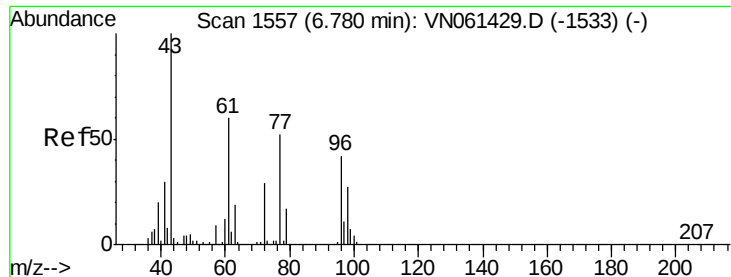
Tgt Ion: 77 Resp: 101702

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.9

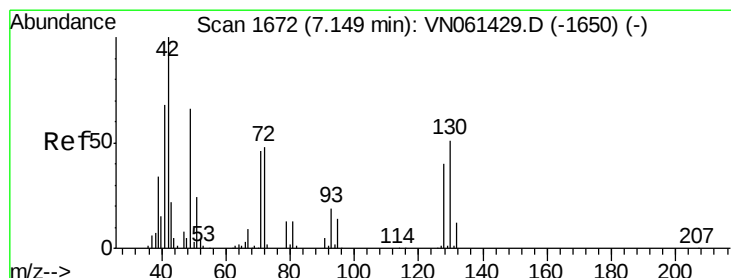
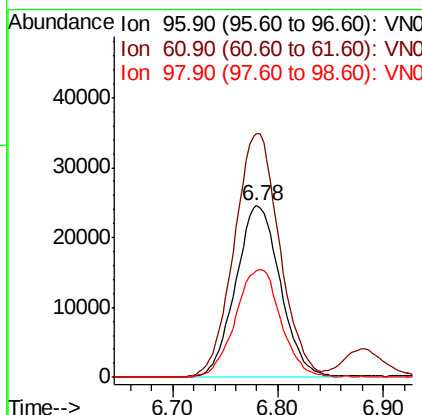
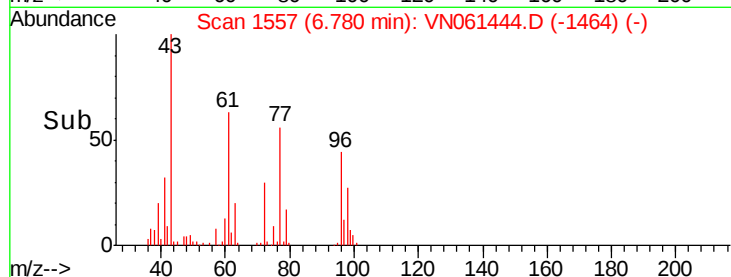
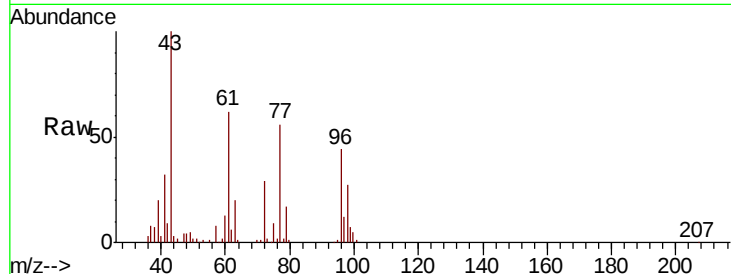




#27
 cis-1,2-Dichloroethene
 Concen: 18.162 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

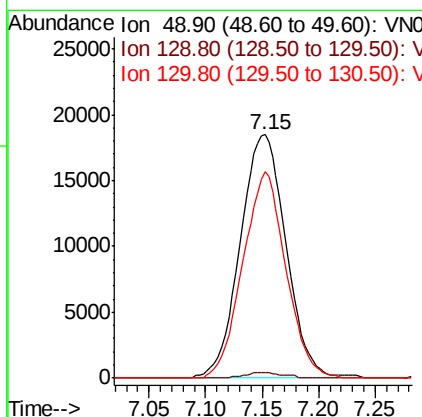
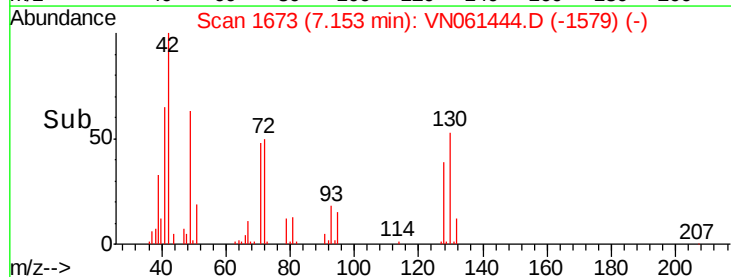
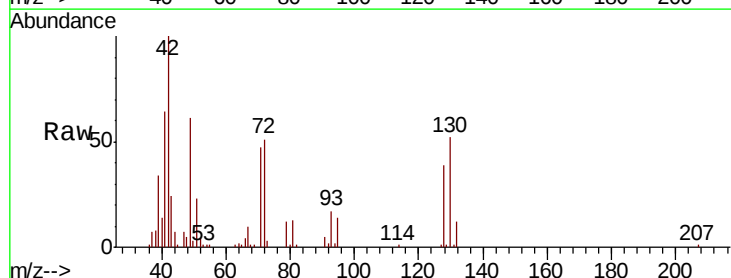
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

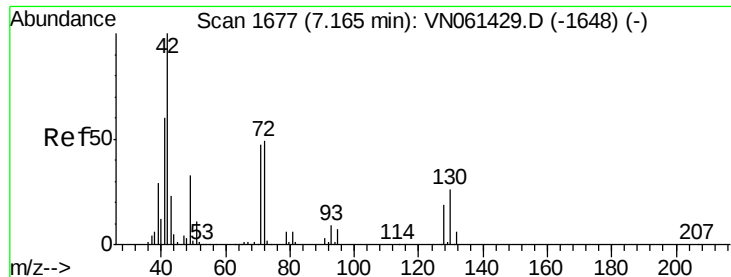
Tot Ion	96	Resp	72499
Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	294.2
98	63.9	0.0	128.2



#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

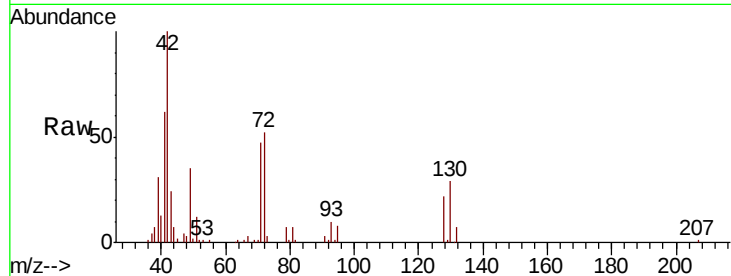




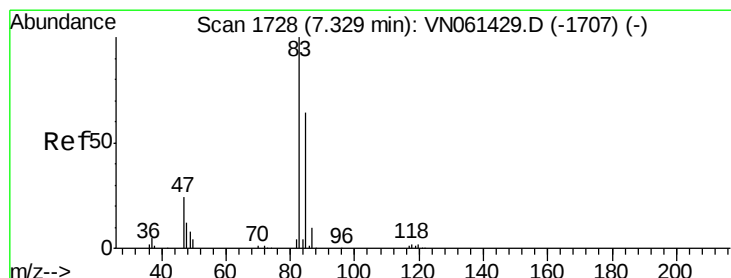
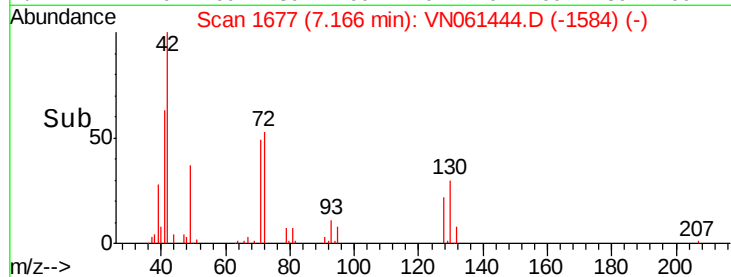
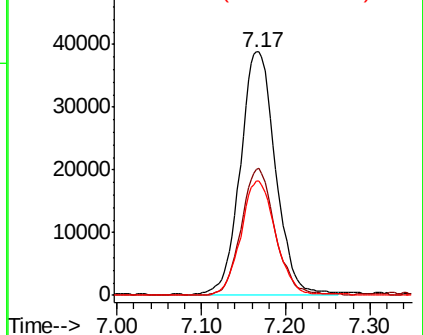
#29
Tetrahydrofuran
Concen: 88.049 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampled :
VN0518WBSD01

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

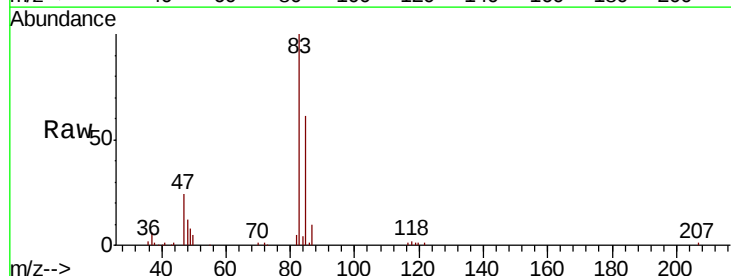


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

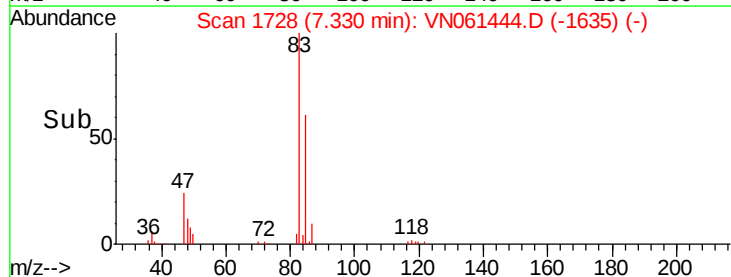
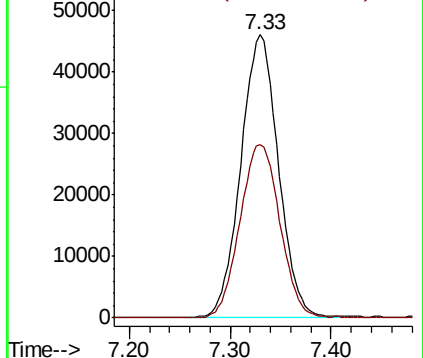


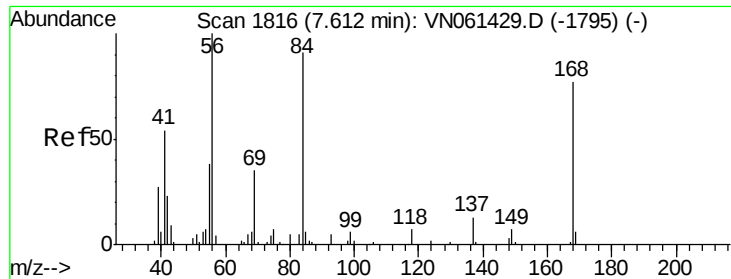
#30
Chloroform
Concen: 18.252 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

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

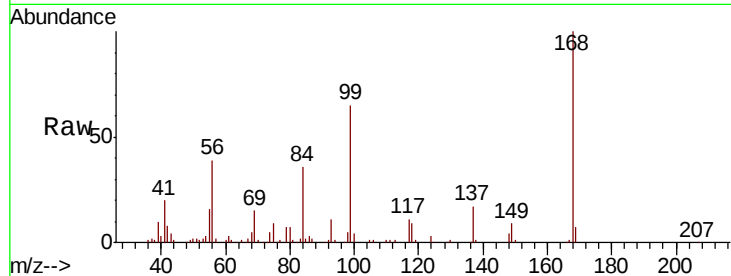




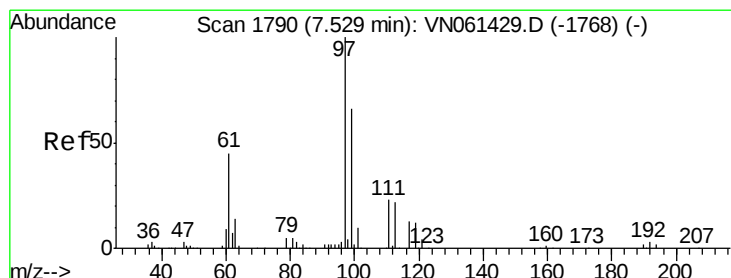
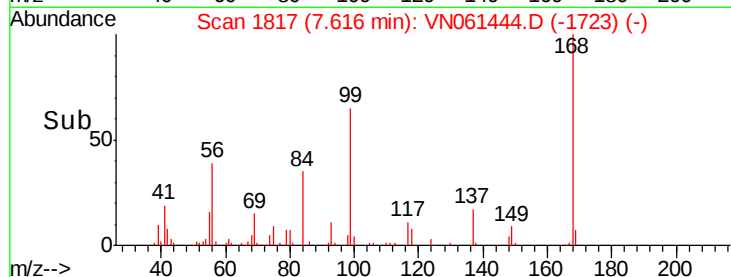
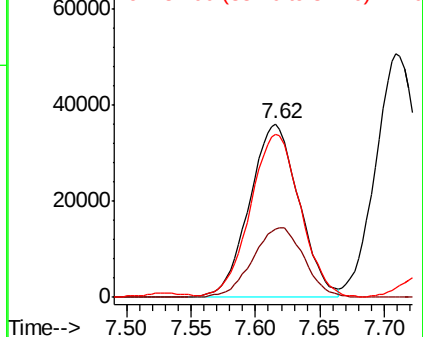
#31
Cyclohexane
Concen: 15.456 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

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

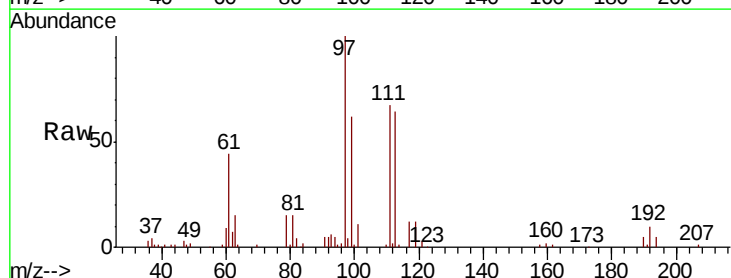


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

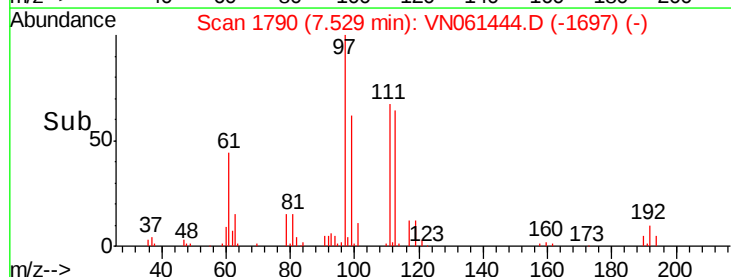
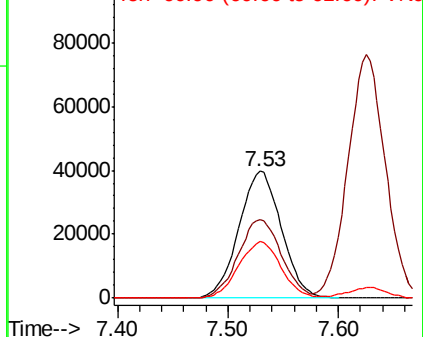


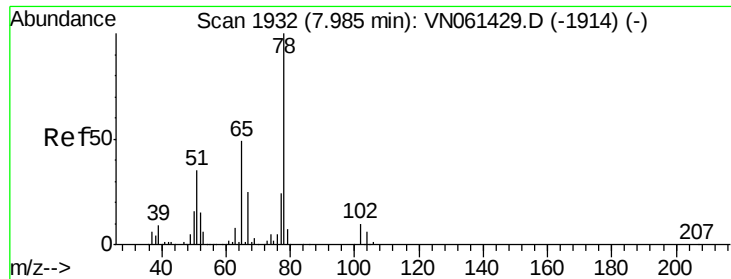
#32
1,1,1-Trichloroethane
Concen: 17.756 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Tgt Ion: 97 Resp: 105937
Ion Ratio 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

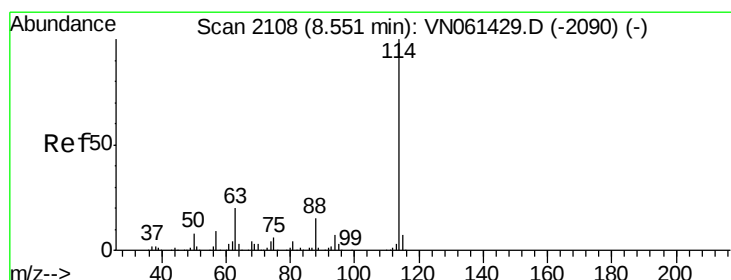
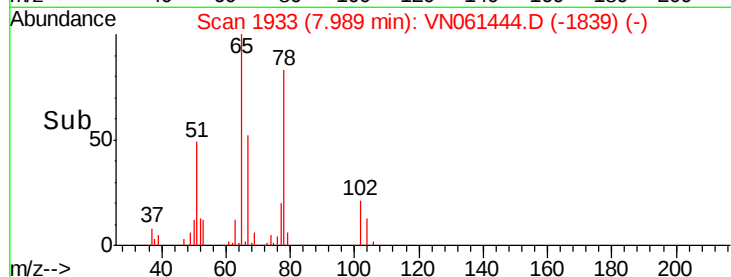
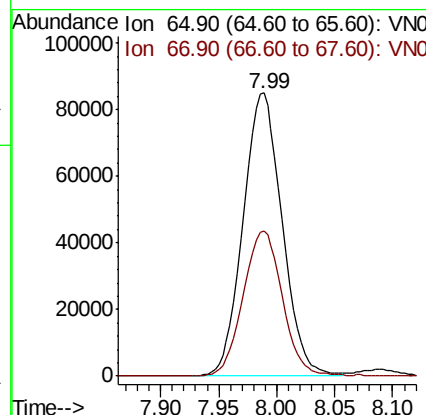
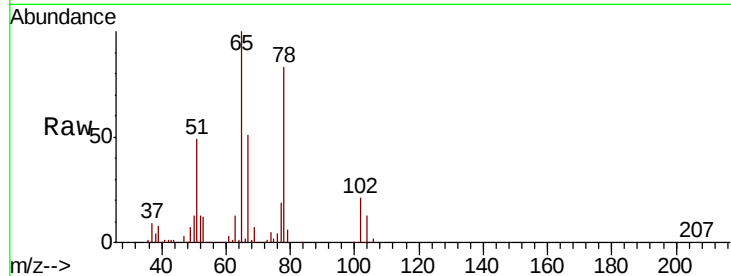




#33
 1,2-Dichloroethane-d4
 Concen: 46.666 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

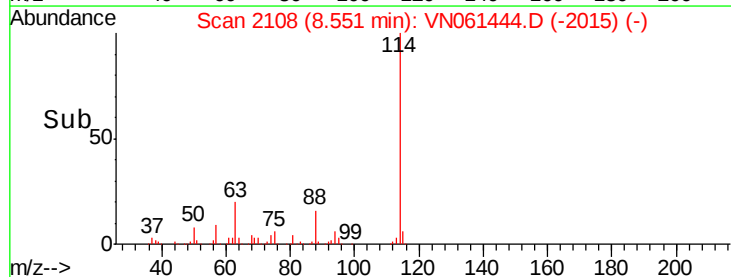
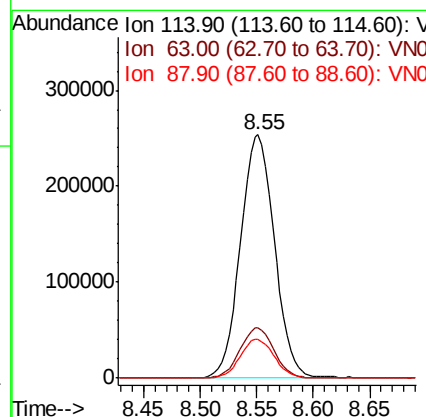
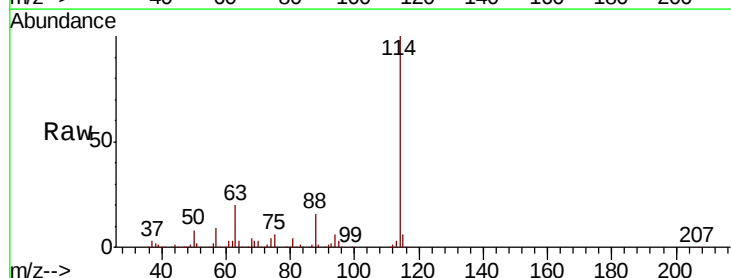
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

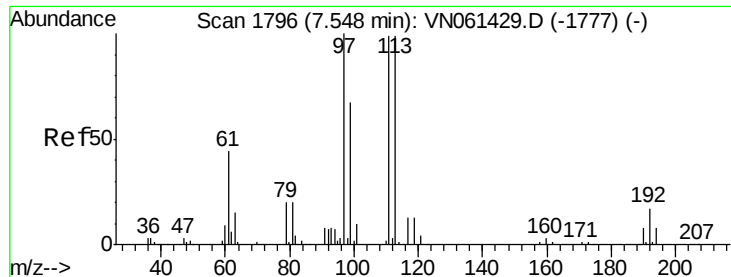
Tot Ion: 65 Resp: 199127
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 101.4



#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

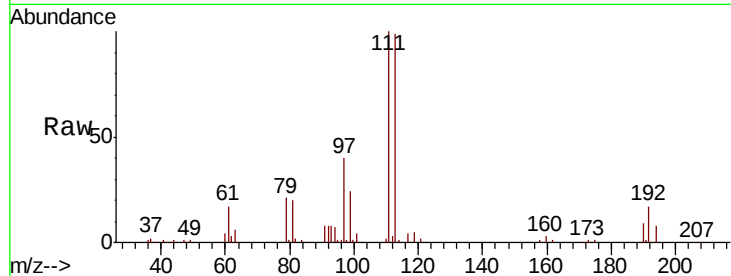




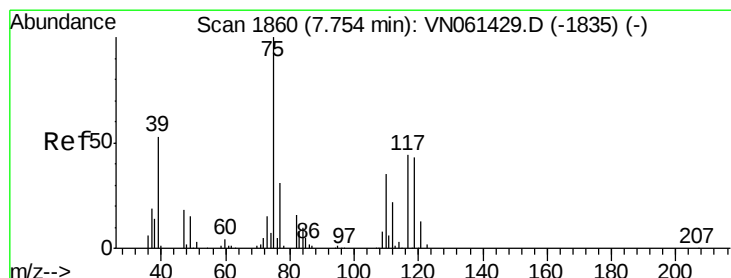
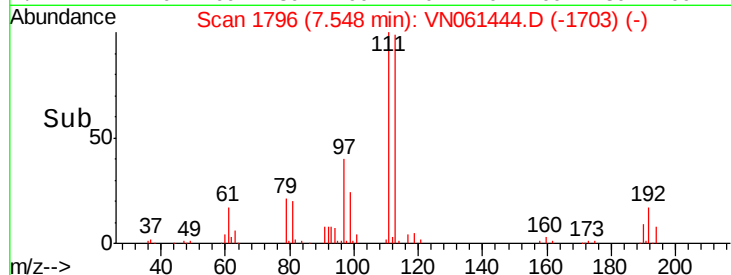
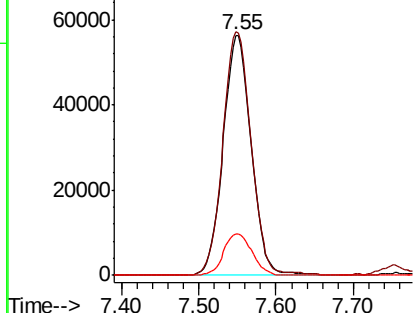
#35
 Dibromofluoromethane
 Concen: 50.842 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

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

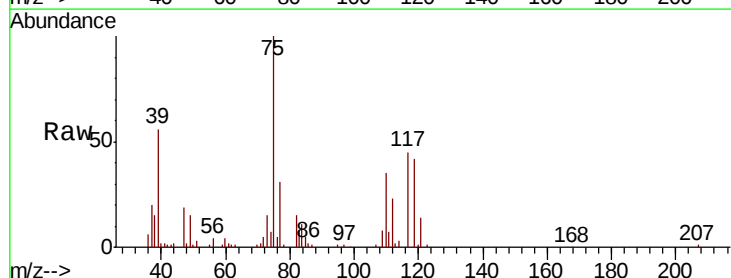


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

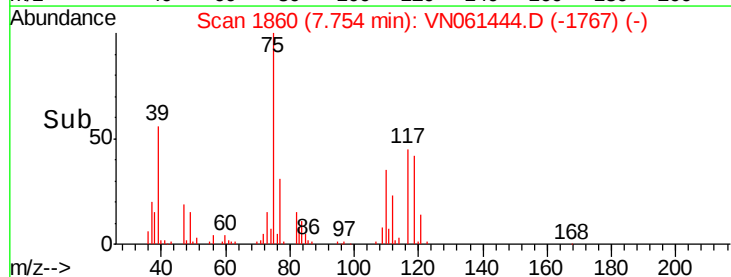
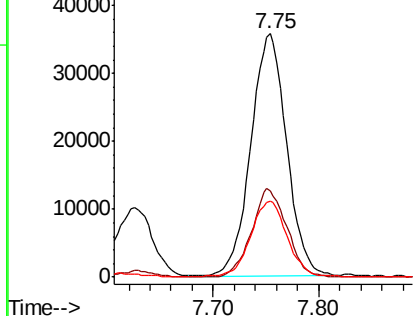


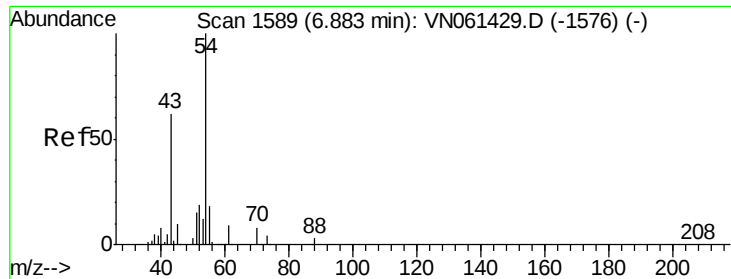
#36
 1,1-Dichloropropene
 Concen: 17.067 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

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): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

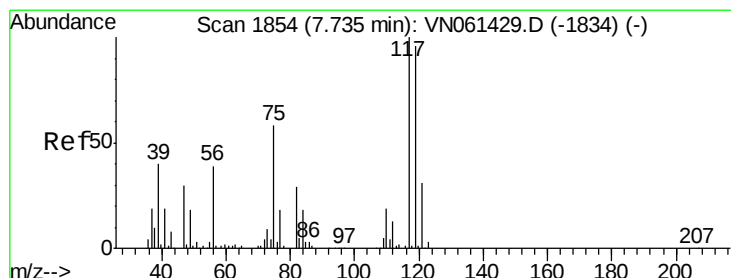
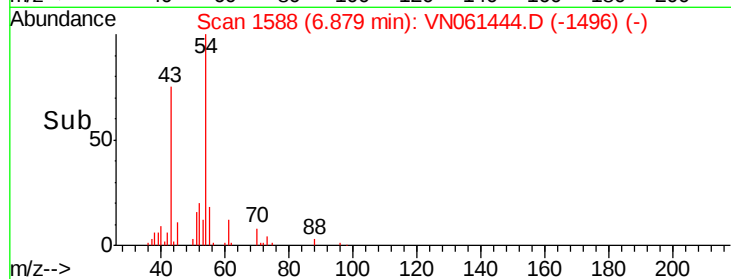
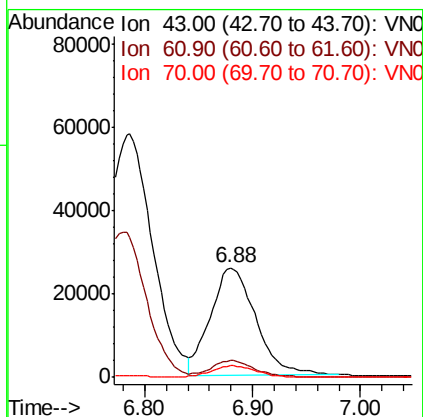
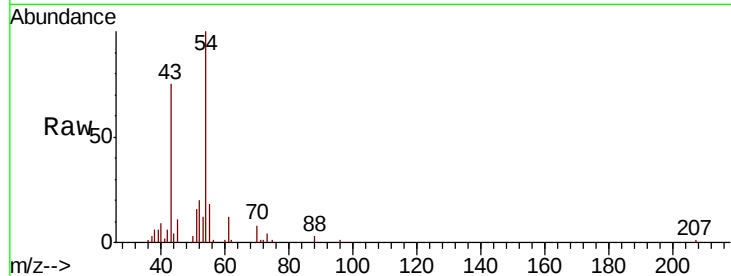




#37
Ethyl Acetate
Concen: 16.898 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

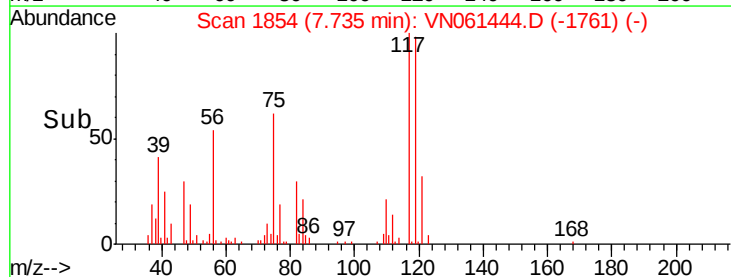
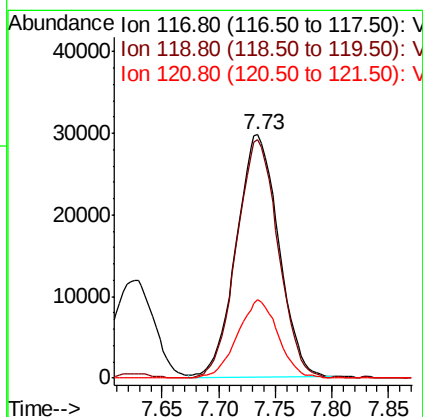
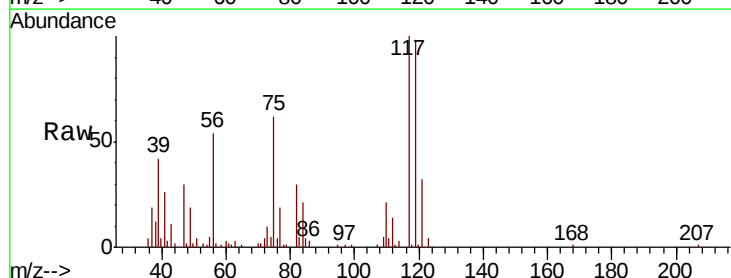
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

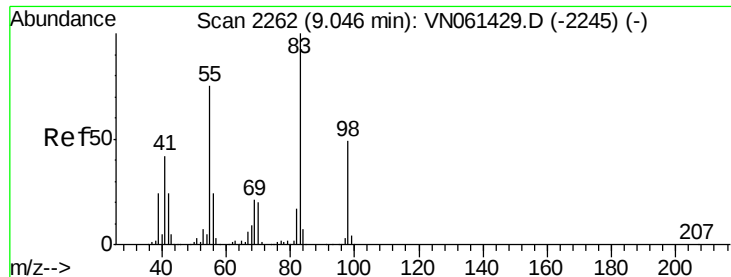
Tot Ion: 43 Resp: 76074
Ion Ratio Lower Upper
43 100
61 15.2 11.7 17.5
70 10.7 9.2 13.8



#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

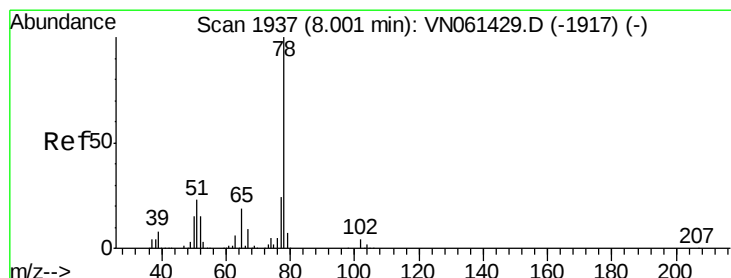
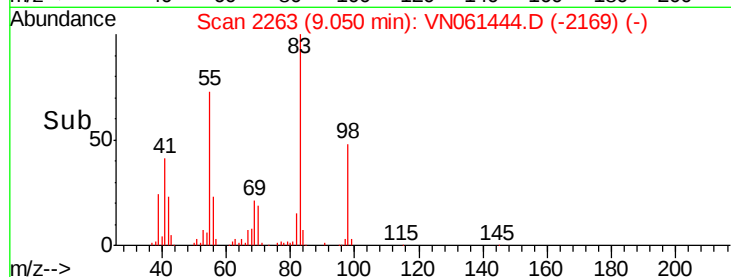
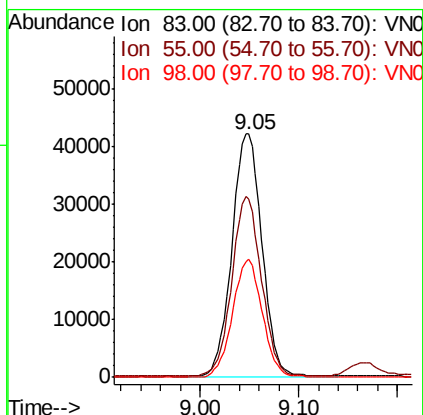
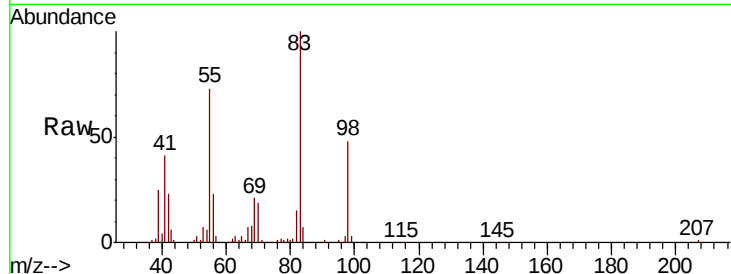




#39
Methvlcvclohexane
Concen: 14.907 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

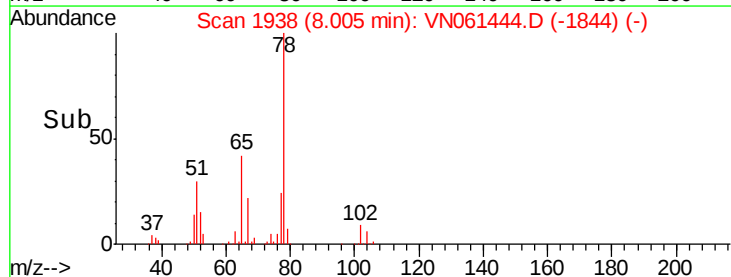
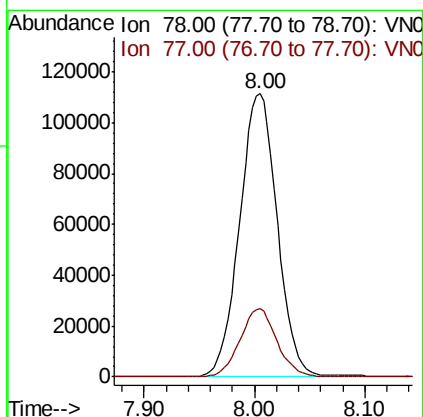
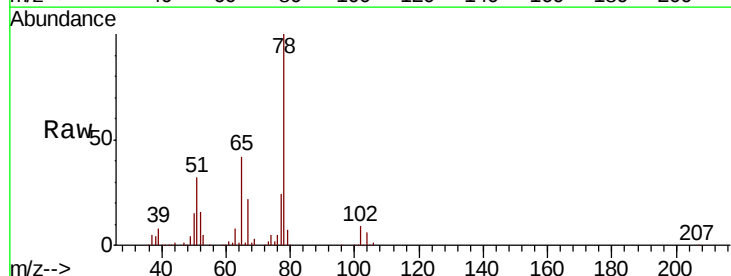
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

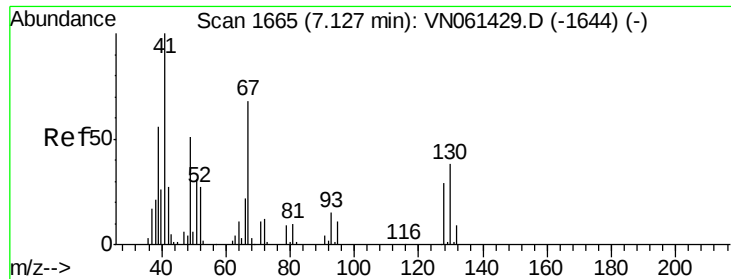
Tot Ion: 83 Resp: 90384
Ion Ratio Lower Upper
83 100
55 72.6 59.7 89.5
98 48.3 38.9 58.3



#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

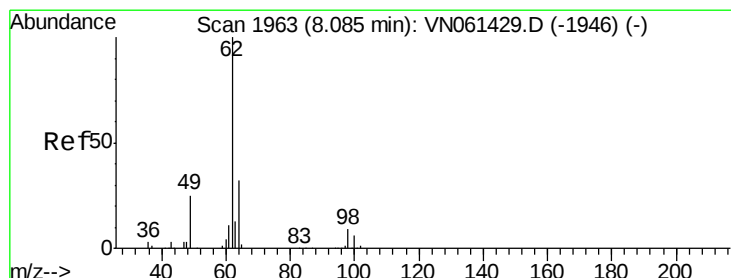
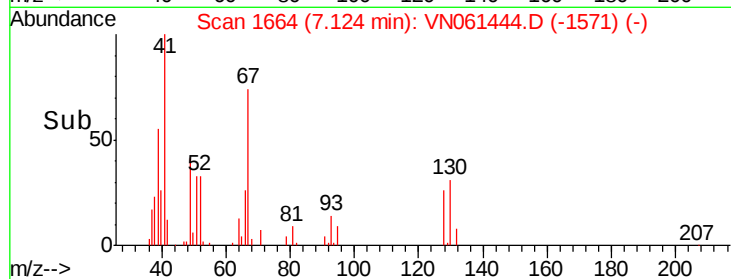
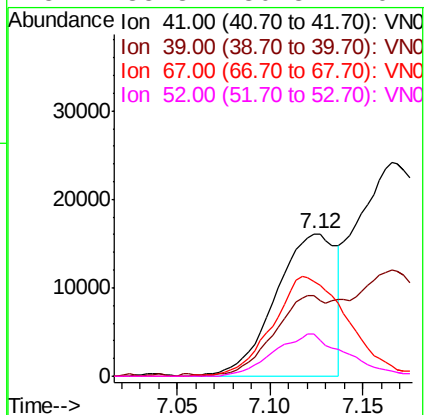
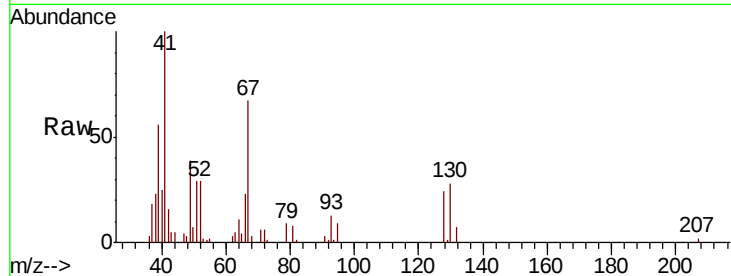




#41
Methacrylonitrile
Concen: 19.266 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

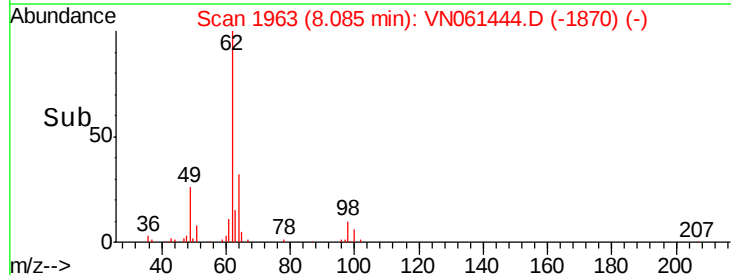
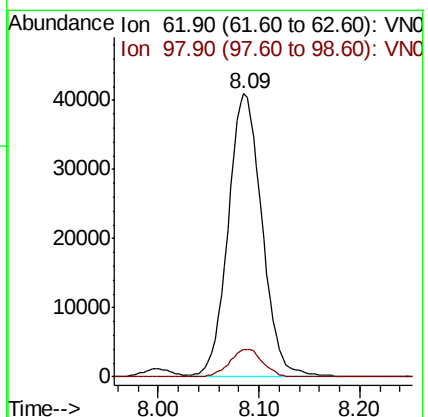
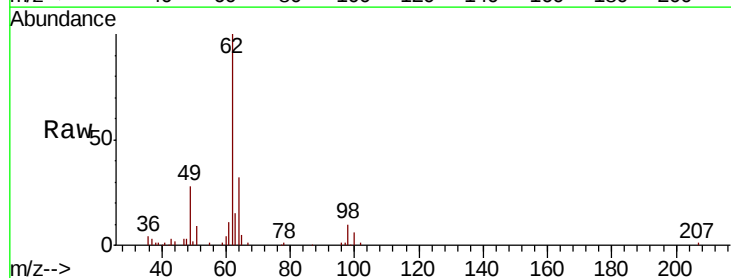
Instrument :
MSVOA_N
ClientSampled :
VN0518WBSD01

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

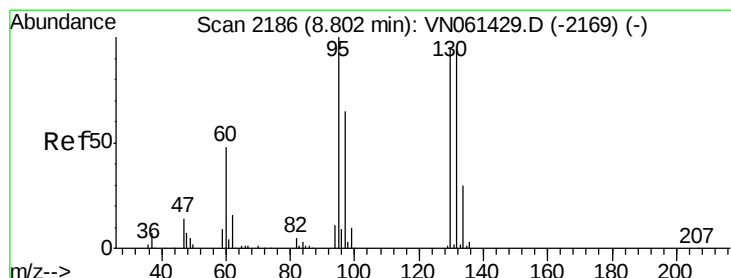
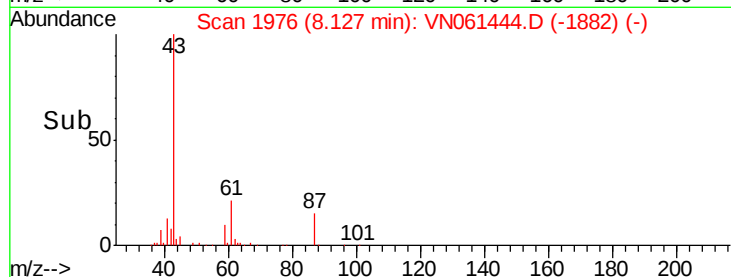
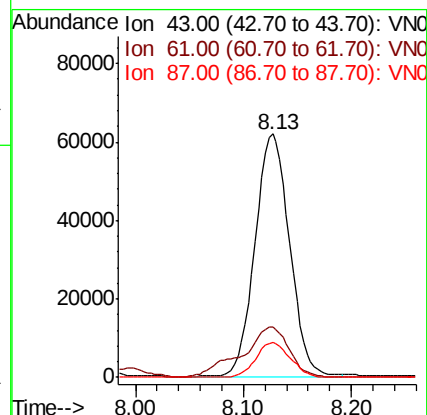
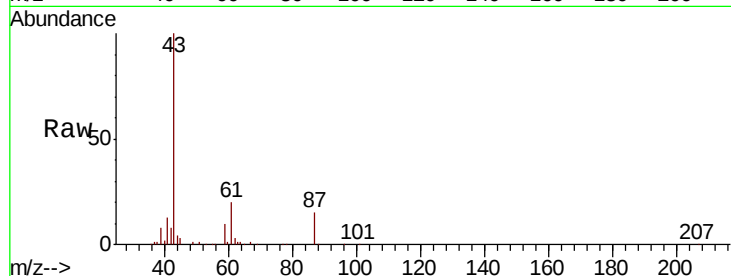




#43
Isopropyl Acetate
Concen: 17.452 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

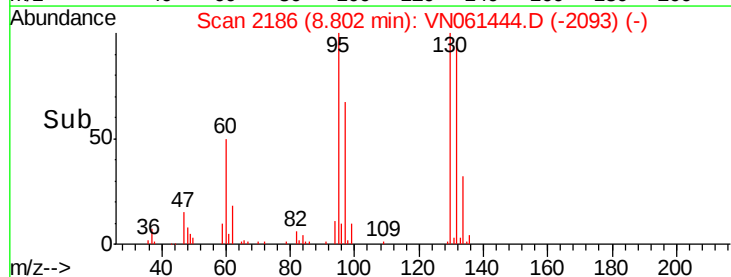
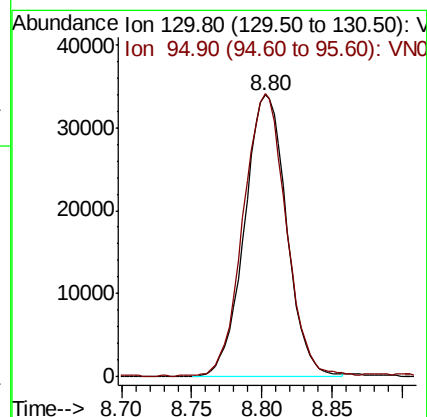
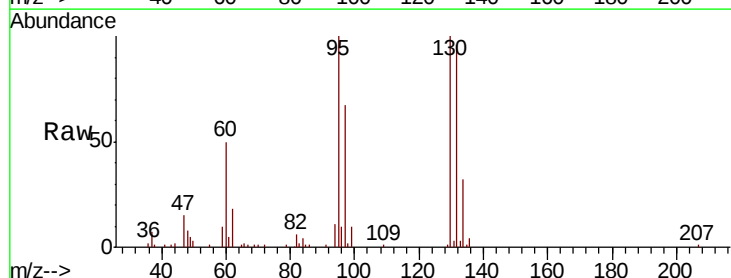
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

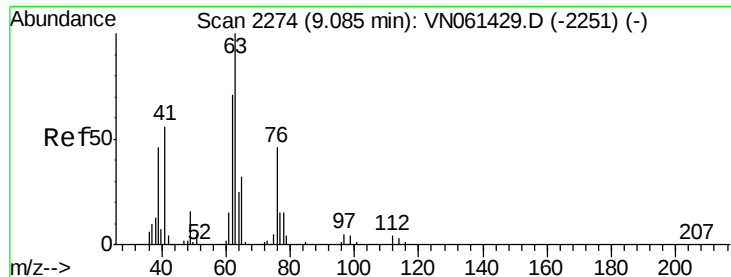
Tot Ion: 43 Resp: 137030
Ion Ratio Lower Upper
43 100
61 28.6 23.0 34.4
87 14.3 11.6 17.4



#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

ClientSampleId :

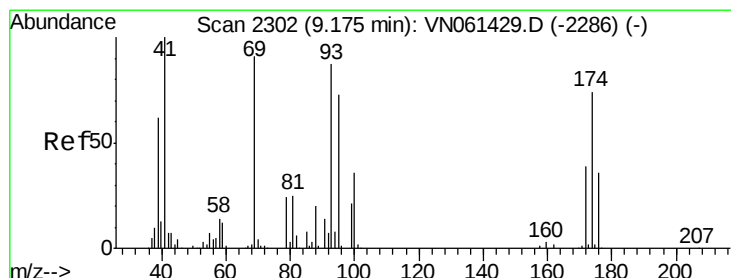
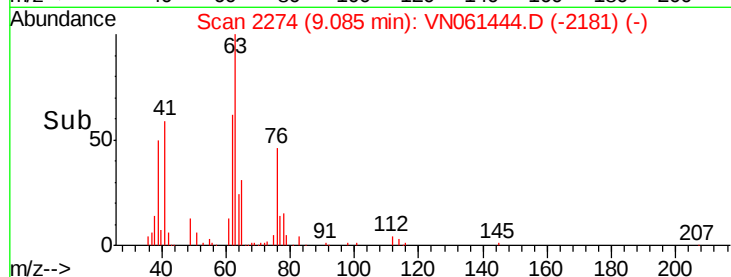
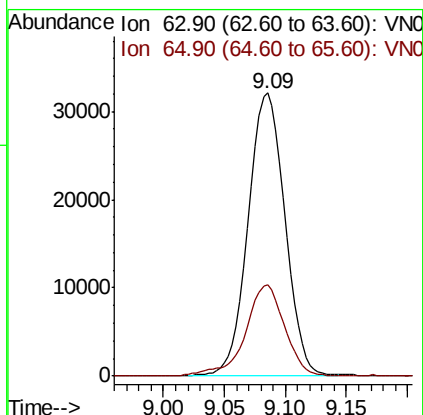
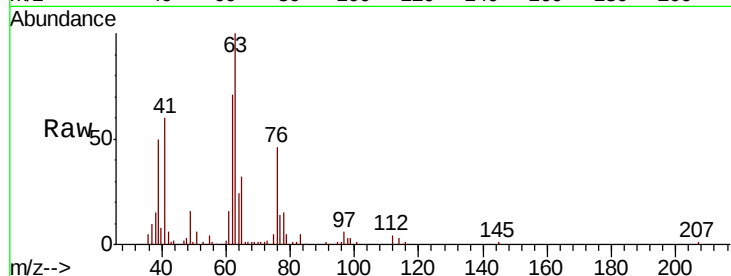
VN0518WBSD01

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

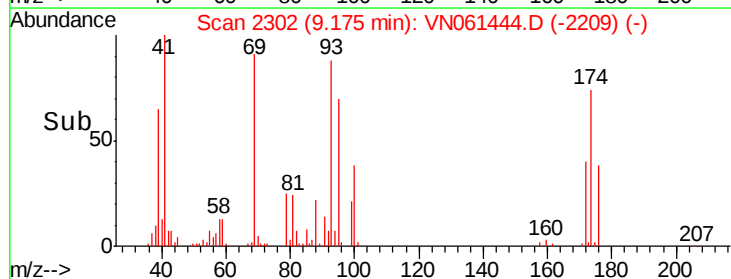
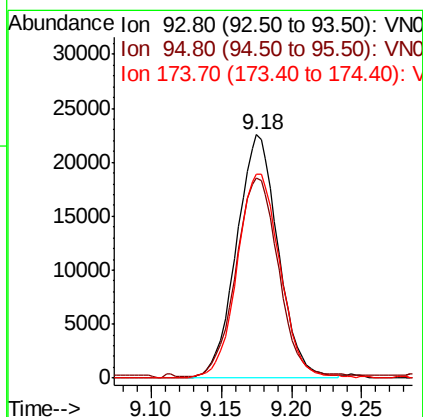
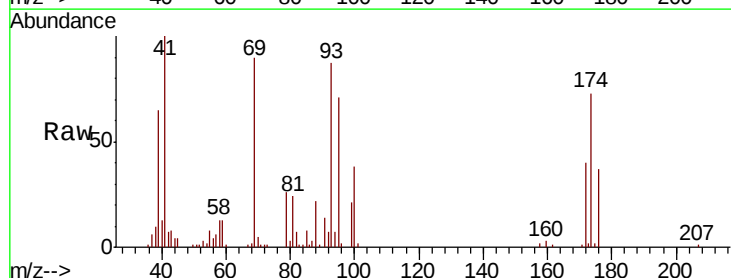
Tgt Ion: 93 Resp: 46570

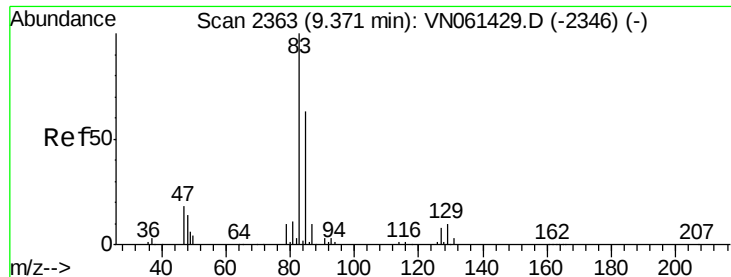
Ion Ratio Lower Upper

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

ClientSampleId :

VN0518WBSD01

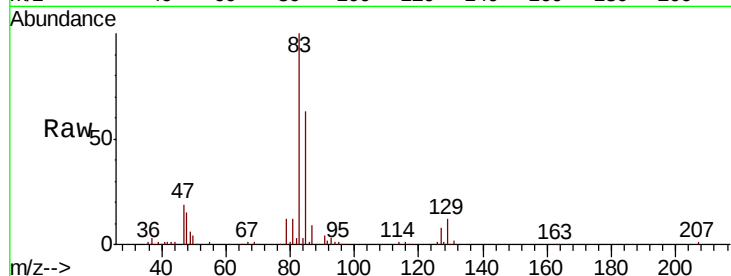
Tot Ion: 83 Resp: 96306

Ion Ratio Lower Upper

83 100

85 63.4 50.6 76.0

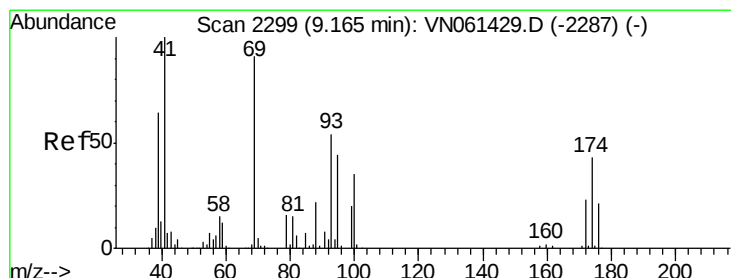
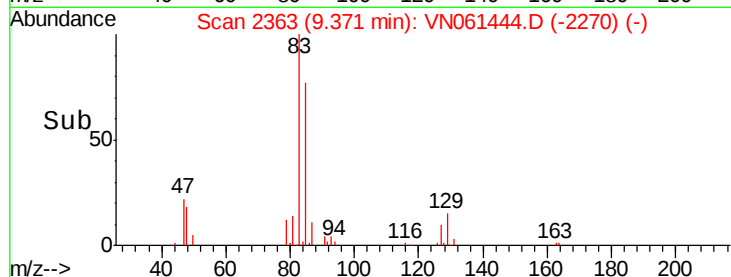
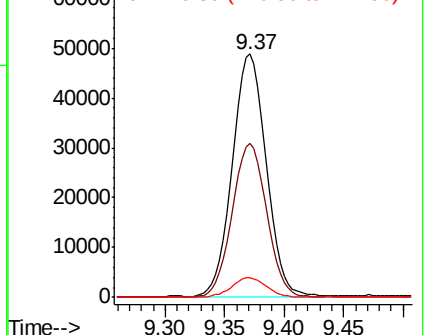
127 8.0 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN061444.D (-2270) (-)

Ion 84.90 (84.60 to 85.60): VN061444.D (-2270) (-)

Ion 126.80 (126.50 to 127.50): VN061444.D (-2270) (-)



#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

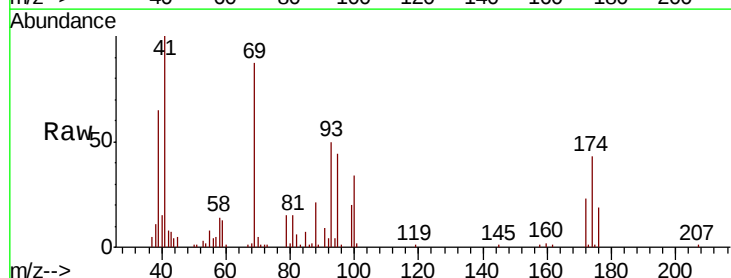
Tgt Ion: 41 Resp: 61580

Ion Ratio Lower Upper

41 100

69 92.0 75.3 112.9

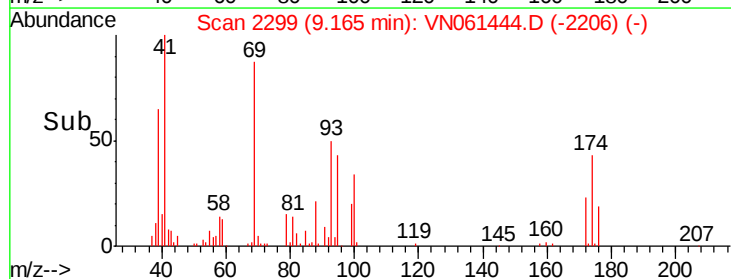
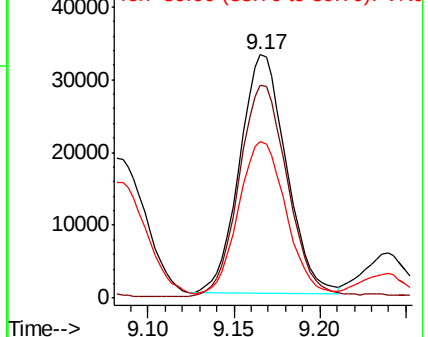
39 68.0 52.6 79.0

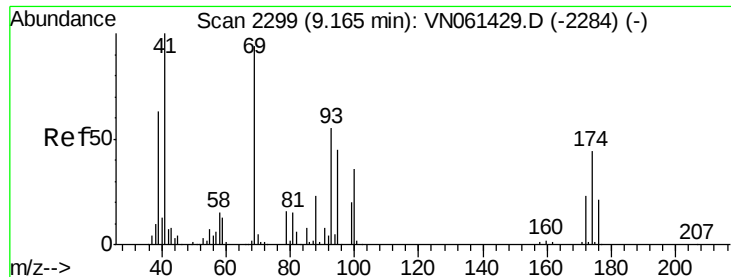


Abundance Ion 41.00 (40.70 to 41.70): VN061444.D (-2206) (-)

Ion 69.00 (68.70 to 69.70): VN061444.D (-2206) (-)

Ion 39.00 (38.70 to 39.70): VN061444.D (-2206) (-)

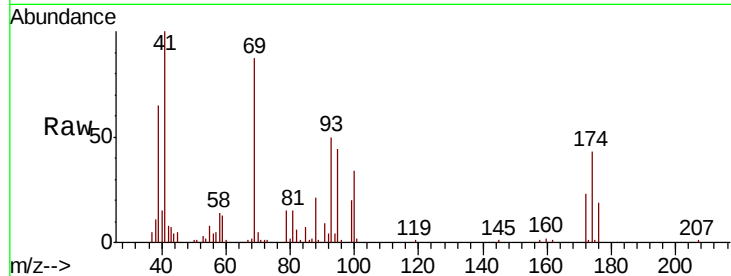




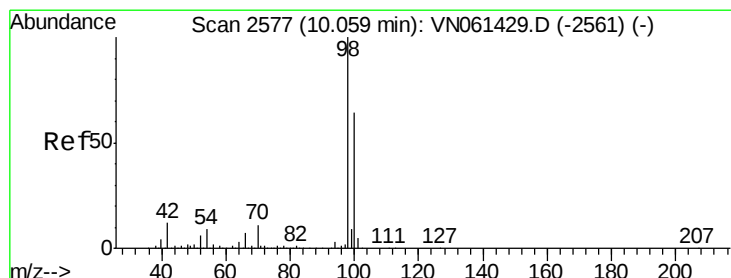
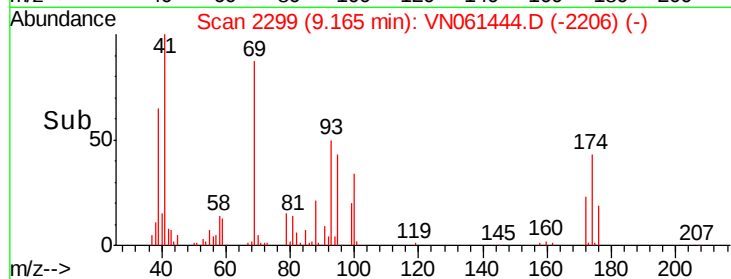
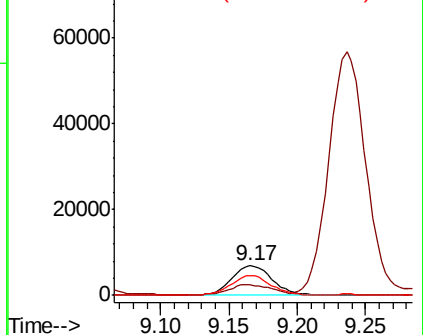
#49
1,4-Dioxane
Concen: 356.394 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

Instrument :
MSVOA_N
ClientSampled :
VN0518WBSD01

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

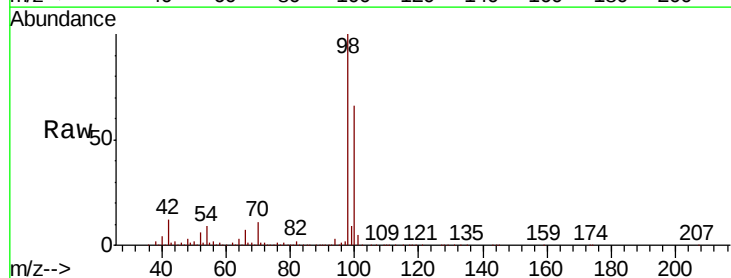


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

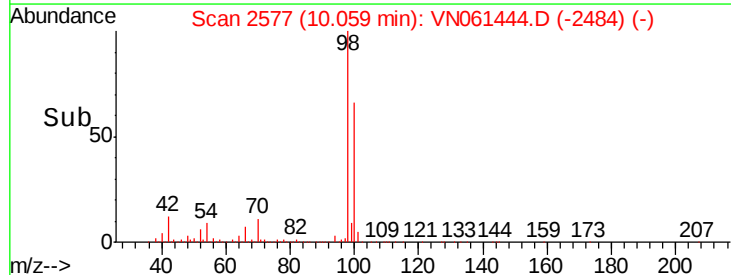
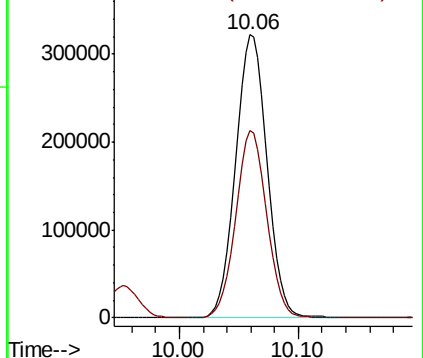


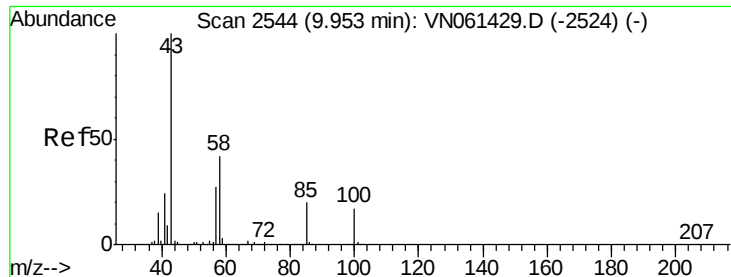
#50
Toluene-d8
Concen: 45.713 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

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 :

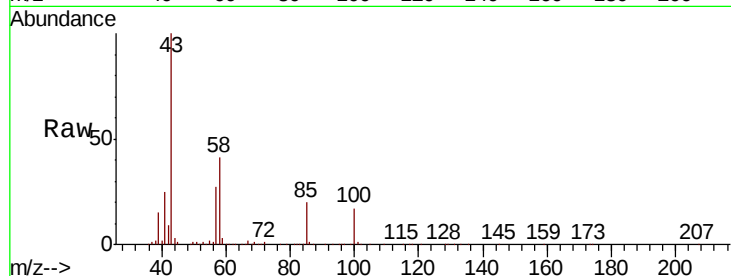
VN0518WBSD01

Tot Ion: 43 Resp: 386695

Ion Ratio Lower Upper

43 100

58 41.0 33.4 50.2



Abundance Ion 43.00 (42.70 to 43.70): VN061429.D (-2524) (-)

Ion 58.00 (57.70 to 58.70): VN061429.D (-2524) (-)

250000

200000

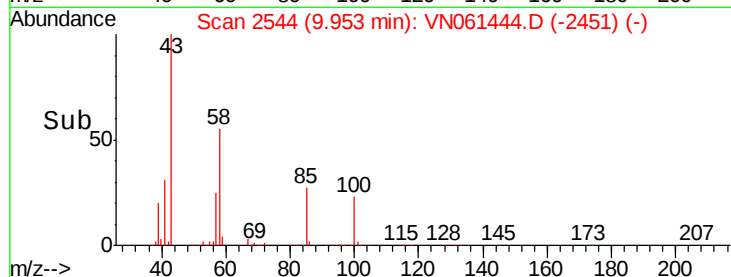
150000

100000

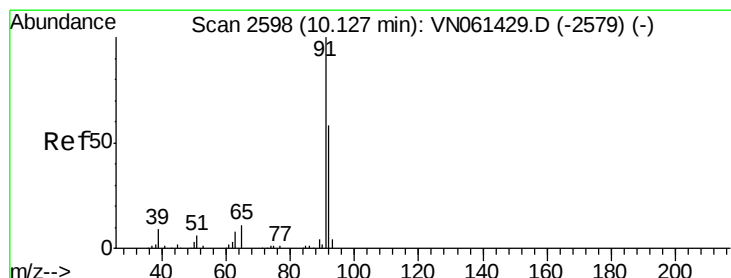
50000

0

9.90 9.95 10.00



Time-->



#52

Toluene

Concen: 17.624 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061444.D

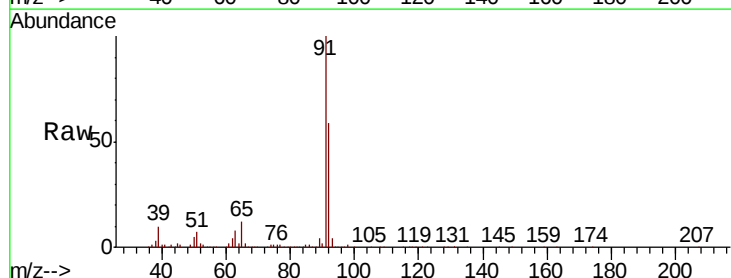
Acq: 18 May 2020 19:00

Tgt Ion: 92 Resp: 169271

Ion Ratio Lower Upper

92 100

91 171.5 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN061429.D (-2579) (-)

Ion 91.00 (90.70 to 91.70): VN061429.D (-2579) (-)

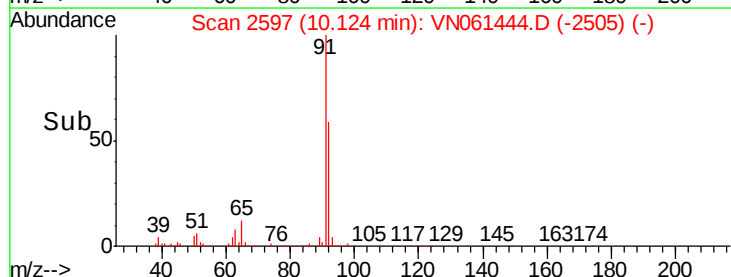
150000

100000

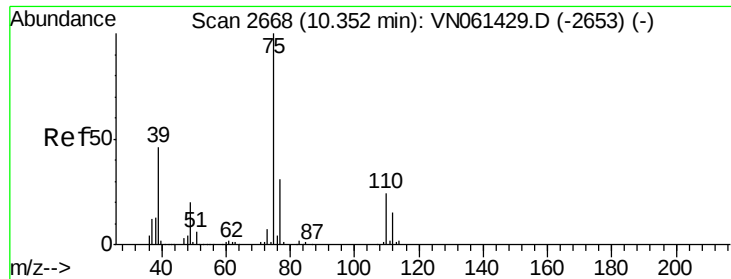
50000

0

10.10 10.12 10.20



Time-->



#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 :

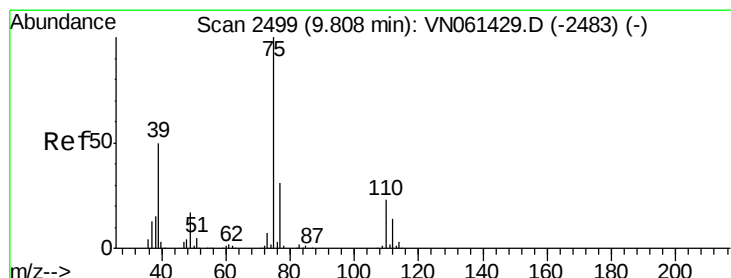
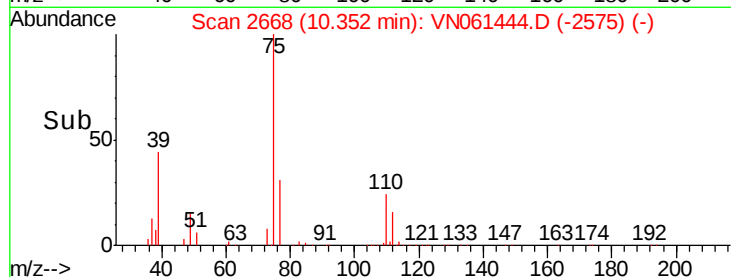
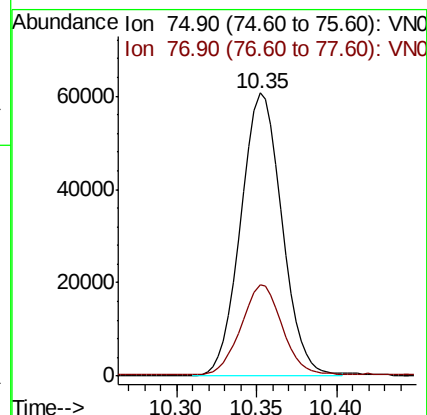
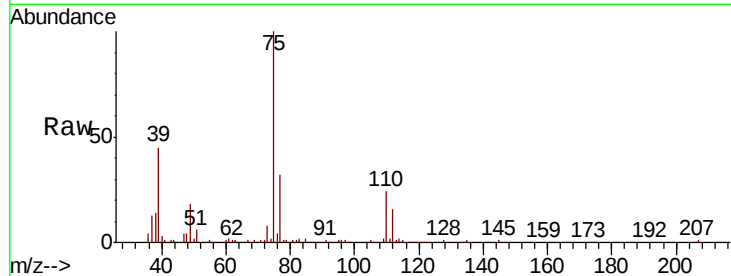
VN0518WBSD01

Tot Ion: 75 Resp: 106950

Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2



#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

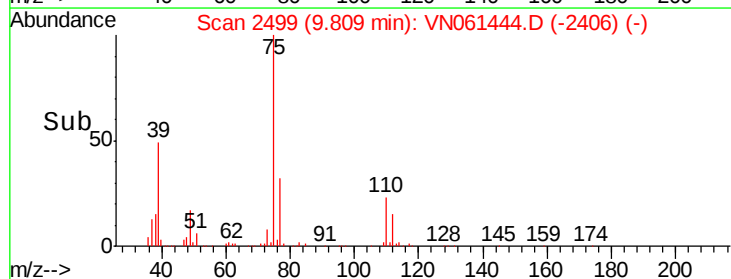
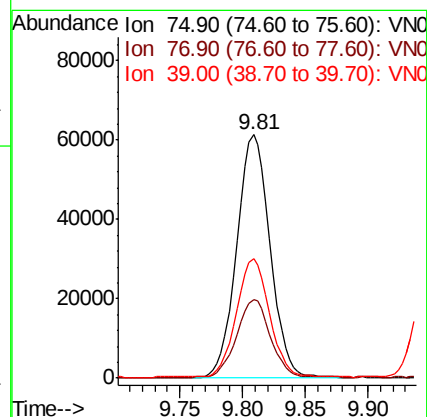
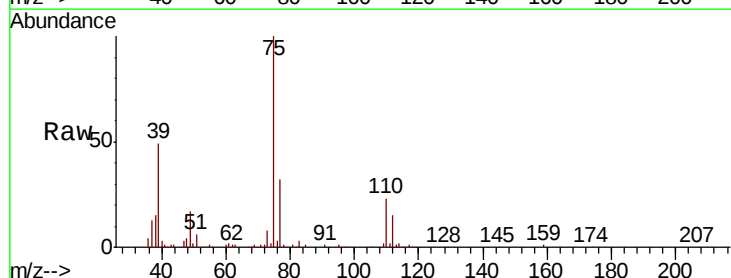
Tgt Ion: 75 Resp: 113964

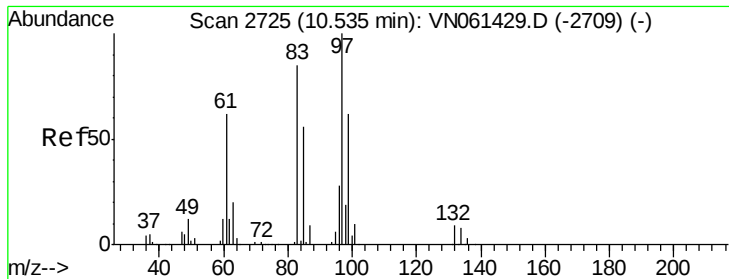
Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2

39 48.4 39.8 59.6

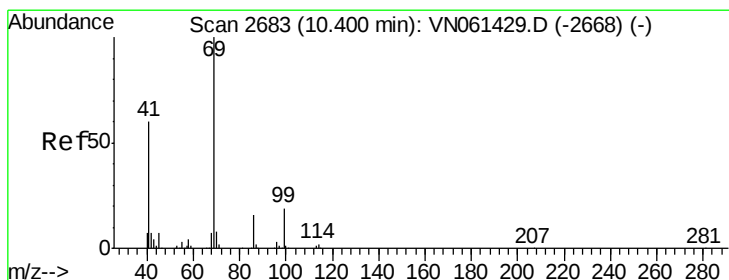
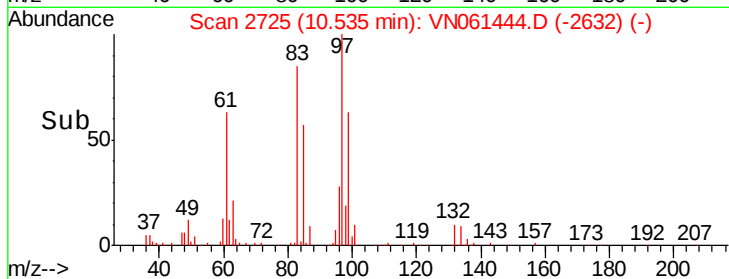
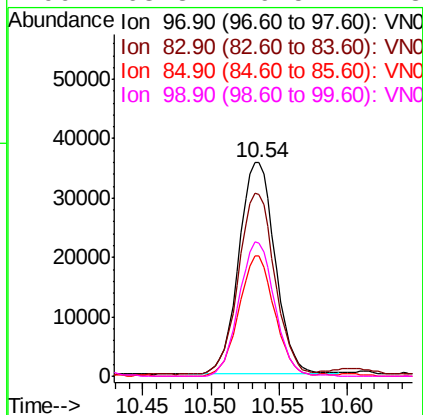
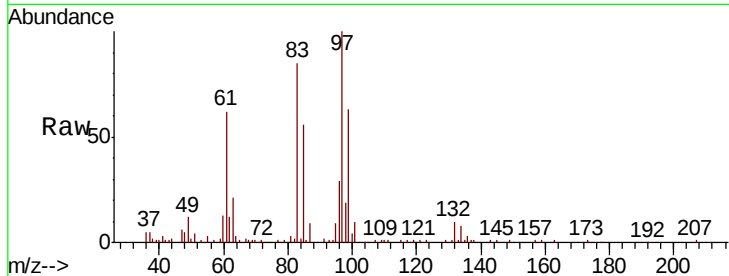




#55
 1,1,2-Trichloroethane
 Concen: 18.127 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

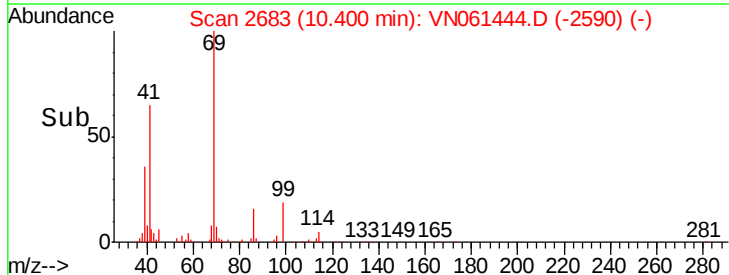
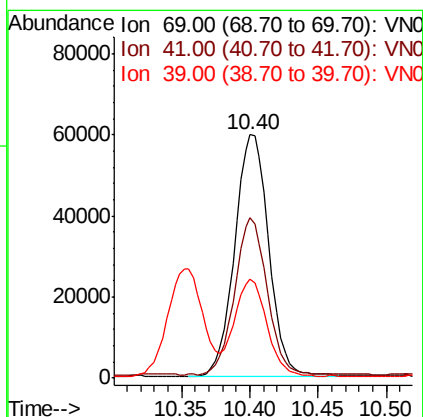
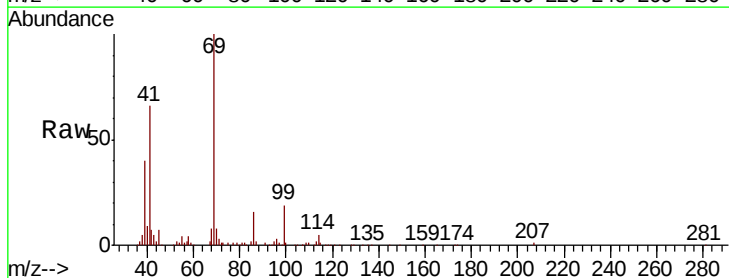
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

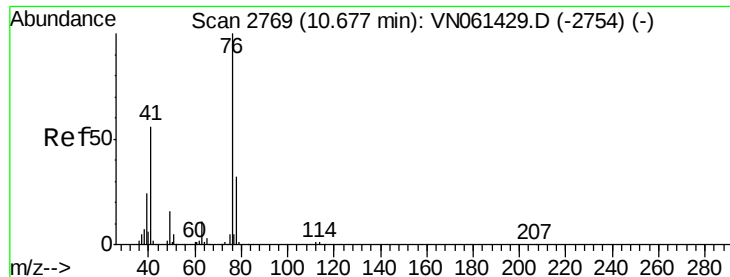
Tot Ion:	97	Resp:	65823
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.2	102.4
85	56.7	44.6	67.0
99	63.3	49.5	74.3



#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 :

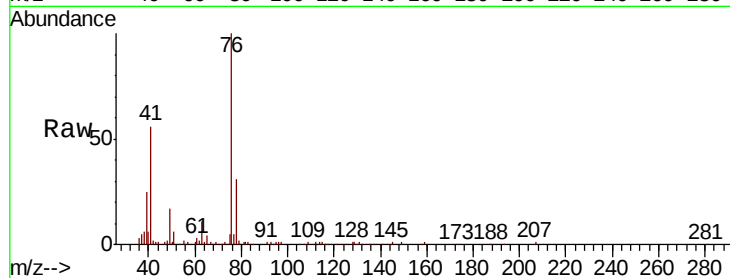
VN0518WBSD01

Tot Ion: 76 Resp: 113879

Ion Ratio Lower Upper

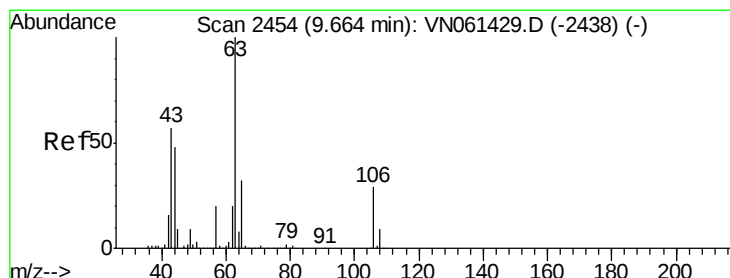
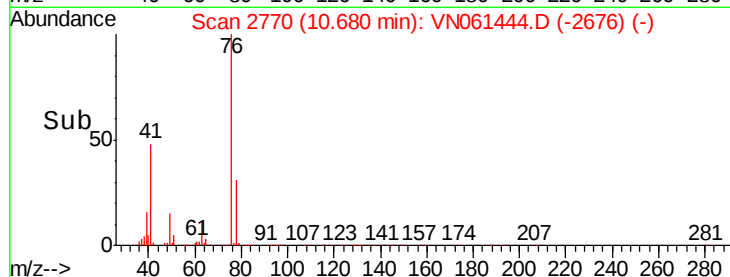
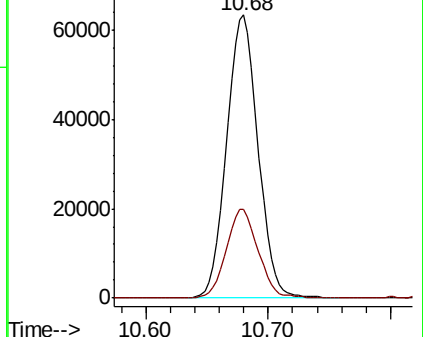
76 100

78 32.0 26.0 39.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#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

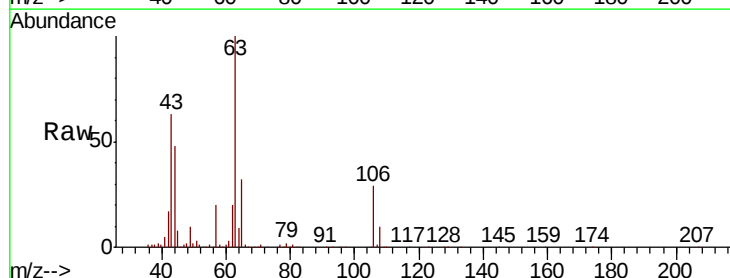
Acq: 18 May 2020 19:00

Tgt Ion: 63 Resp: 236273

Ion Ratio Lower Upper

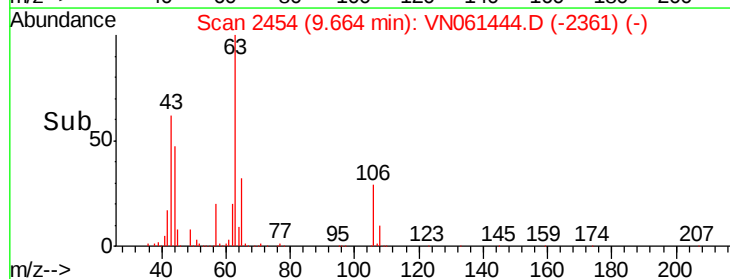
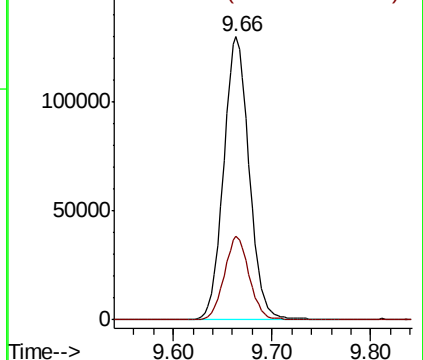
63 100

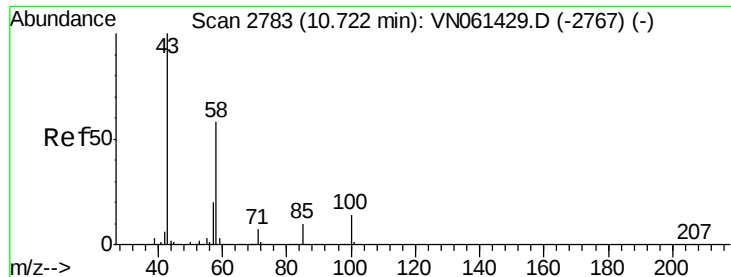
106 28.8 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

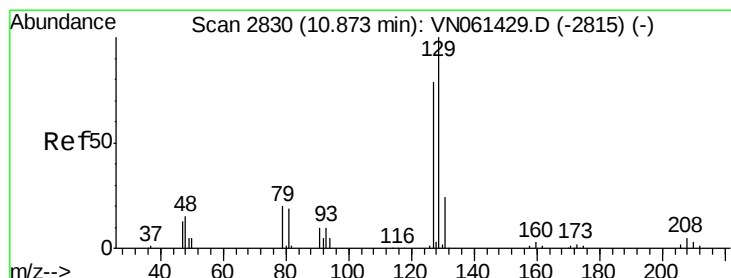
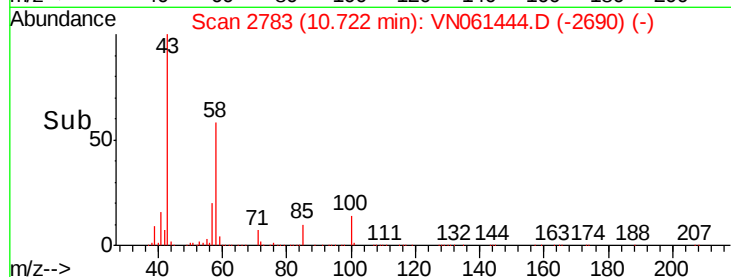
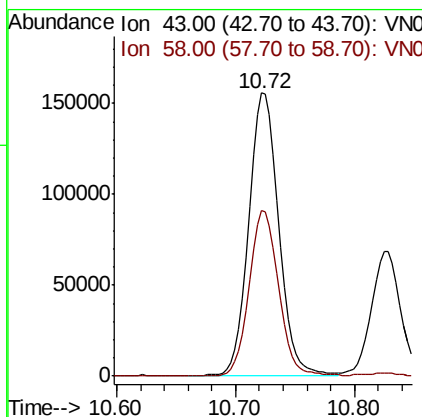
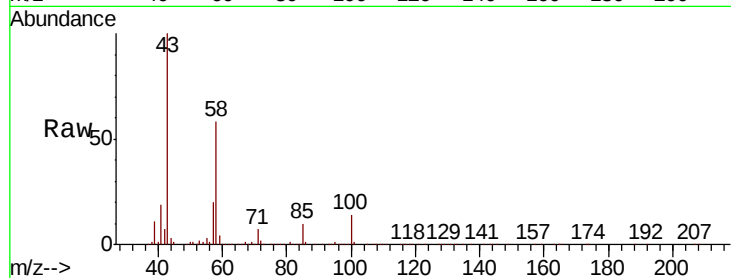




#59
2-Hexanone
Concen: 87.235 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

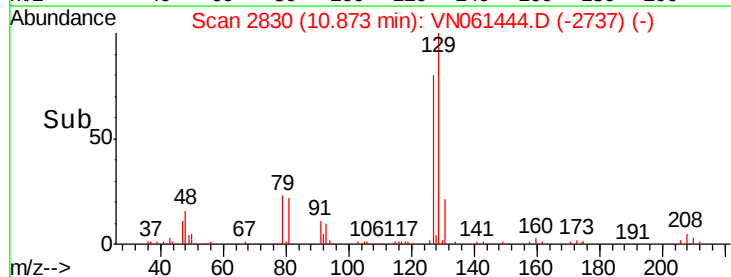
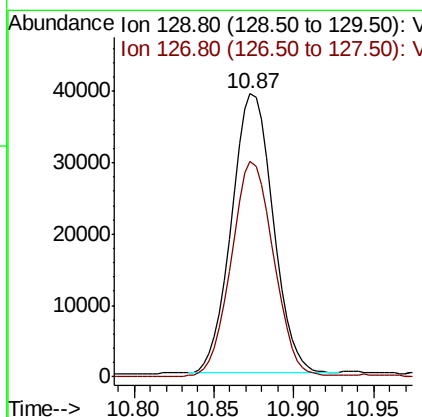
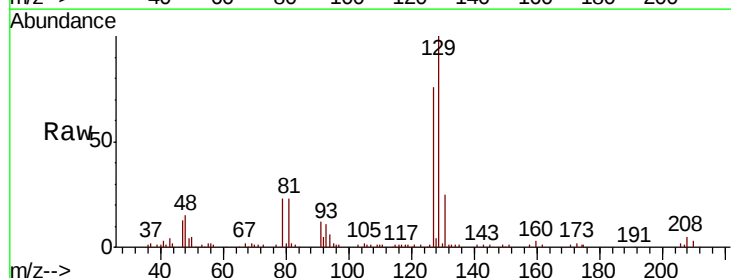
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

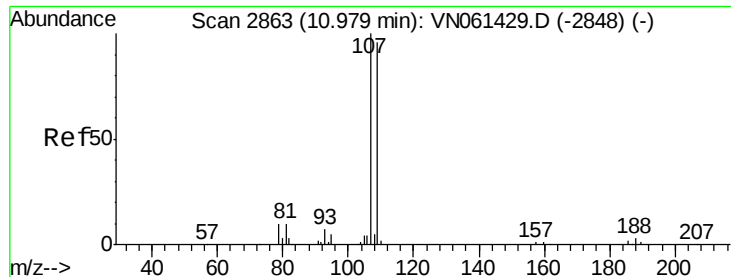
Tot Ion: 43 Resp: 269963
Ion Ratio Lower Upper
43 100
58 58.2 29.2 87.6



#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

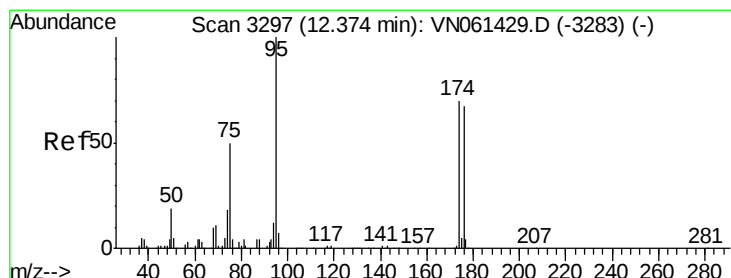
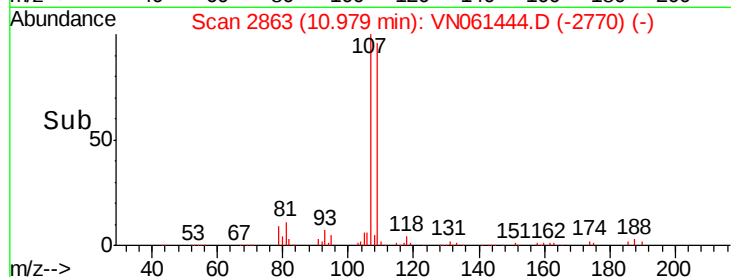
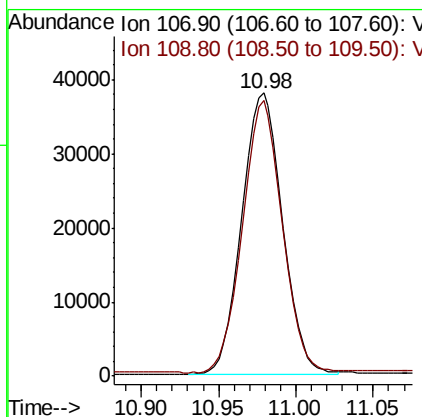
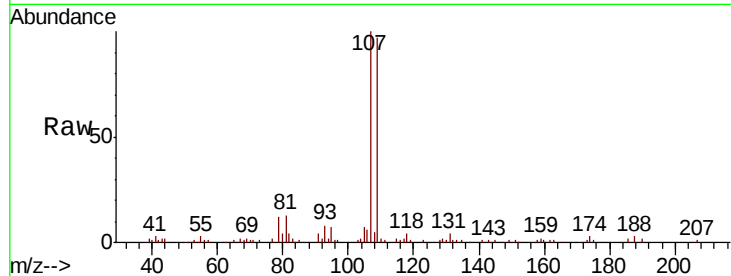




#61
 1,2-Dibromoethane
 Concen: 18.187 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

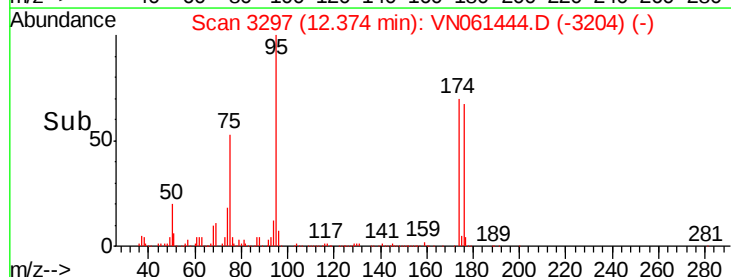
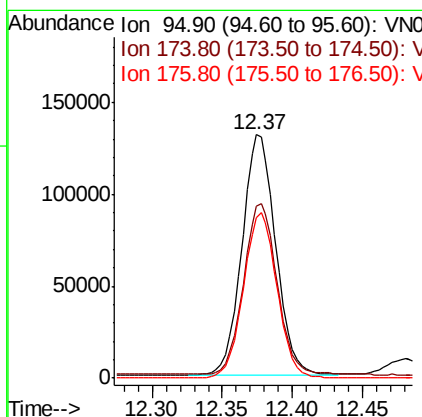
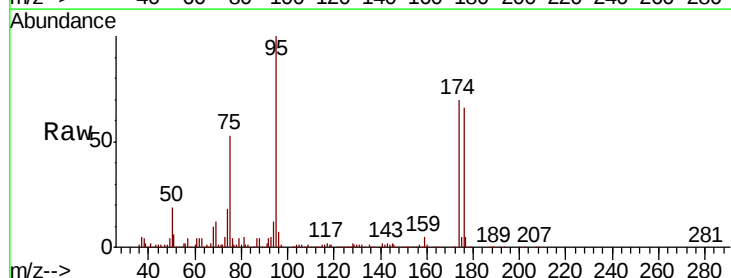
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

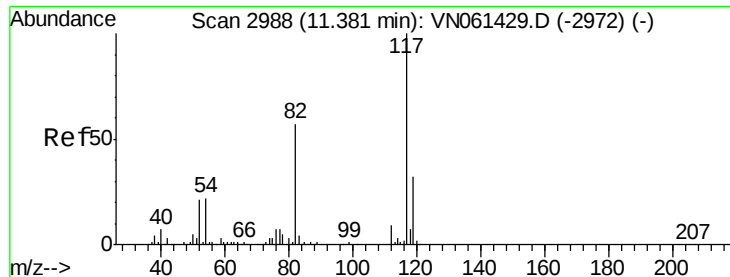
Tot Ion:107 Resp: 69435
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.7 113.5



#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

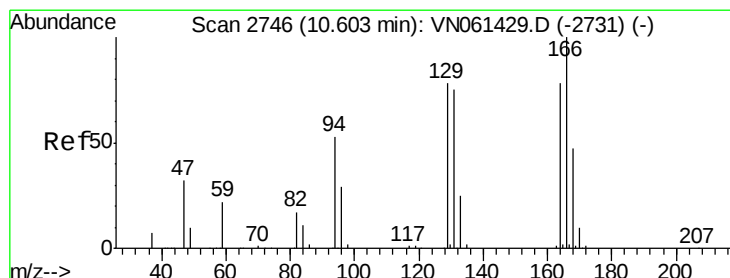
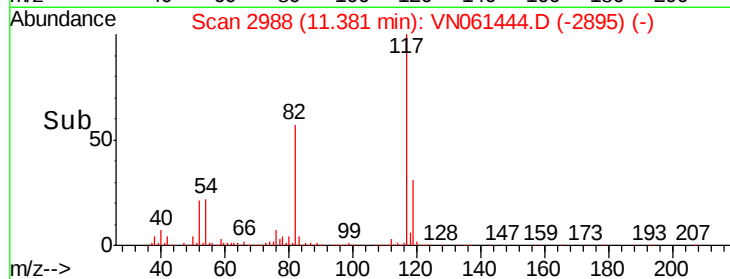
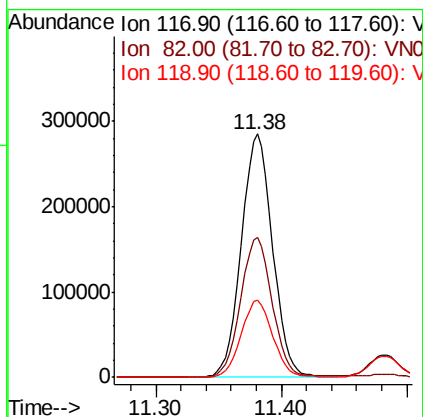
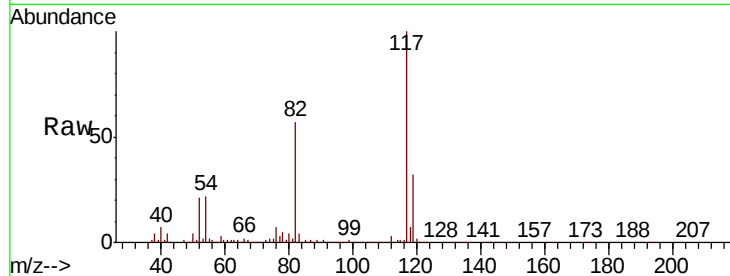




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

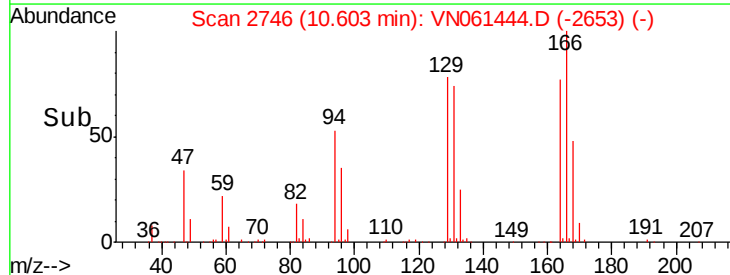
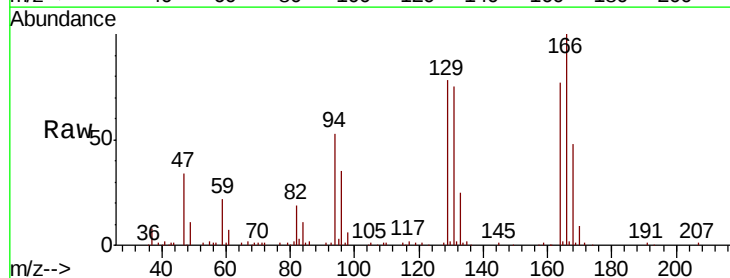
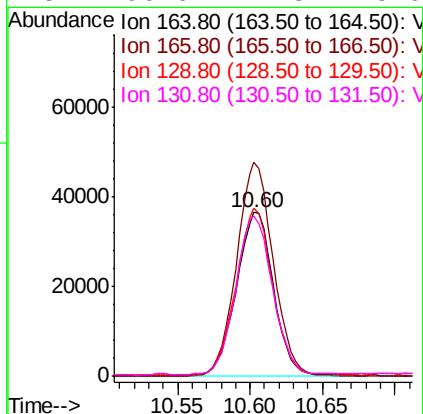
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

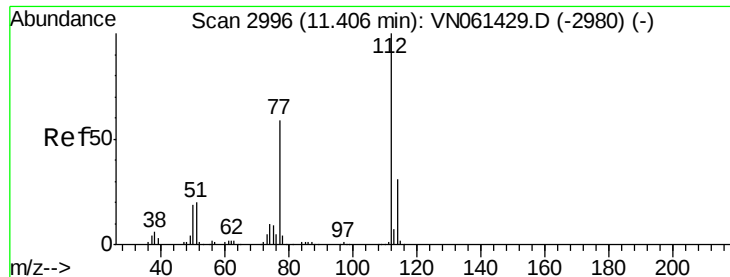
Tot Ion:117 Resp: 491754
Ion Ratio Lower Upper
117 100
82 57.3 45.2 67.8
119 31.4 25.3 37.9



#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





#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

ClientSampleId :

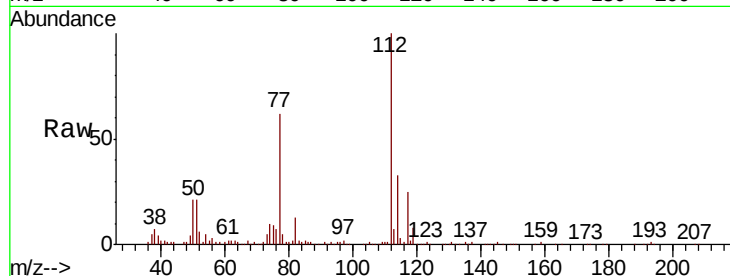
VN0518WBSD01

Tot Ion:112 Resp: 175425

Ion Ratio Lower Upper

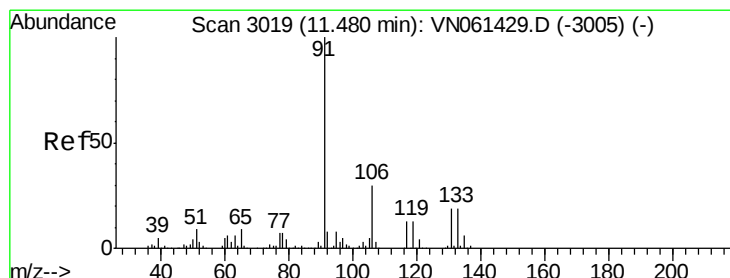
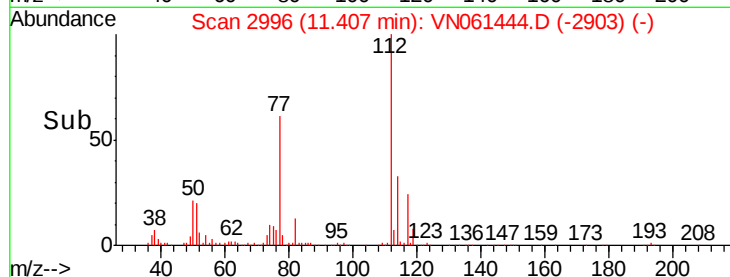
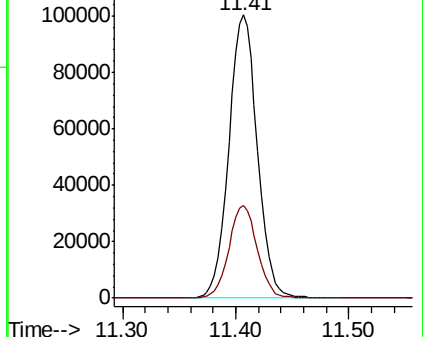
112 100

114 32.9 25.0 37.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 17.011 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN061444.D

Acq: 18 May 2020 19:00

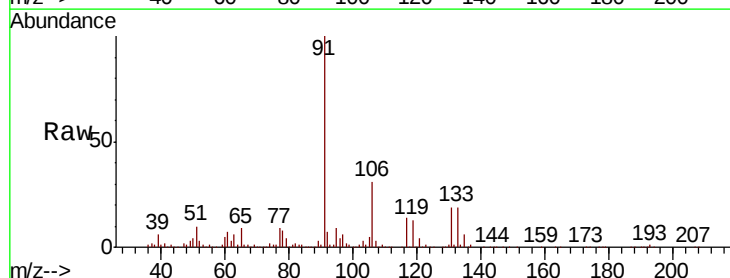
Tgt Ion:131 Resp: 61157

Ion Ratio Lower Upper

131 100

133 99.4 48.7 146.1

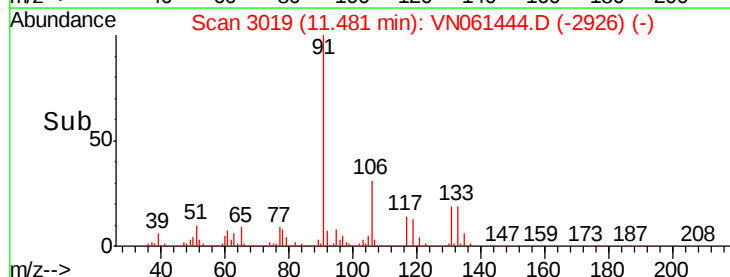
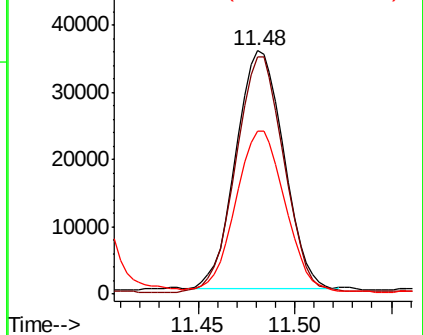
119 69.0 33.8 101.3

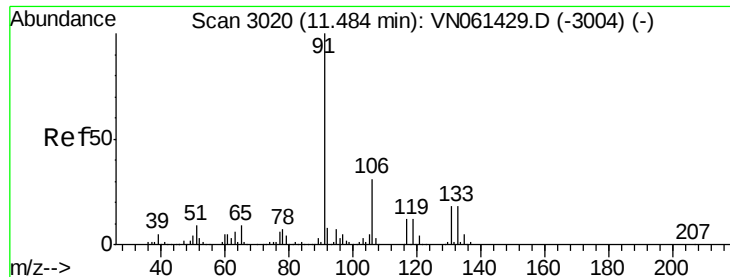


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

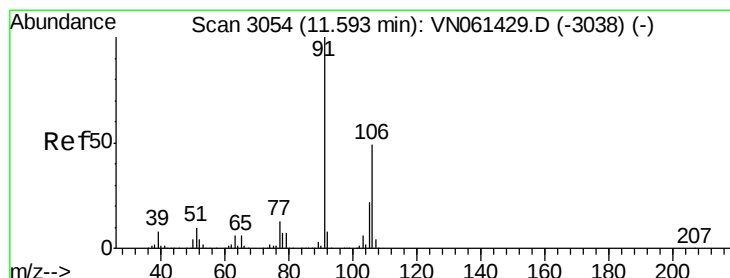
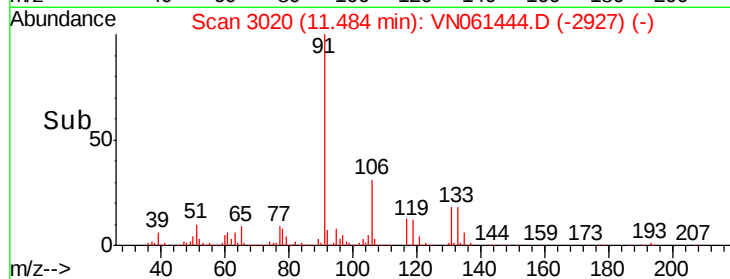
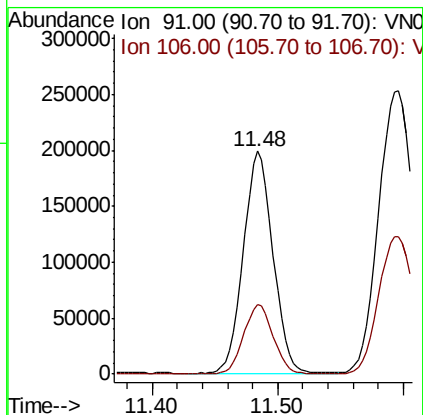
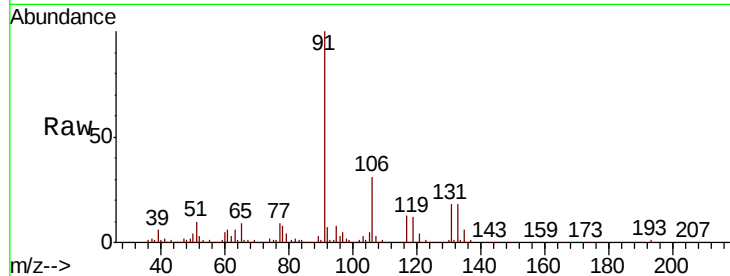




#67
Ethyl Benzene
Concen: 17.749 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

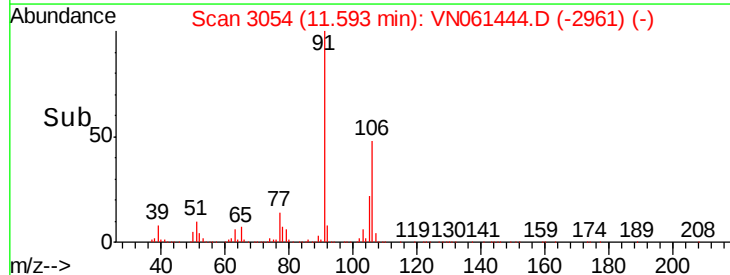
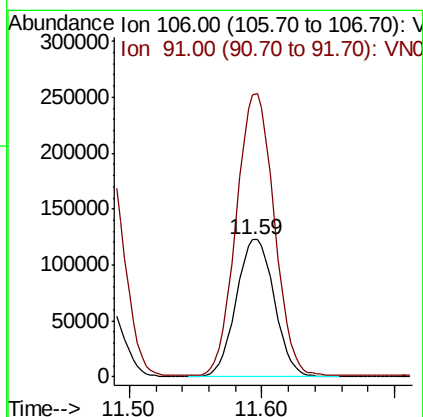
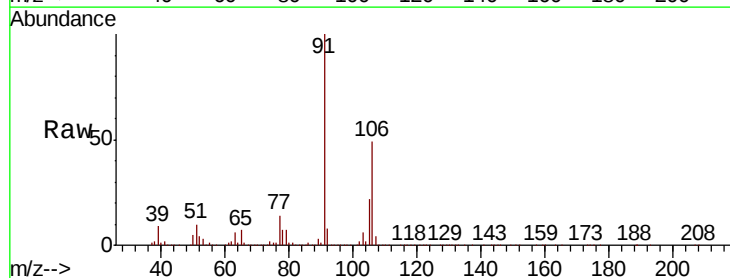
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

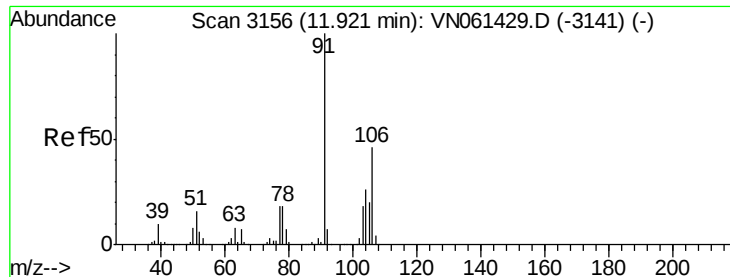
Tot Ion: 91 Resp: 324896
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8



#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

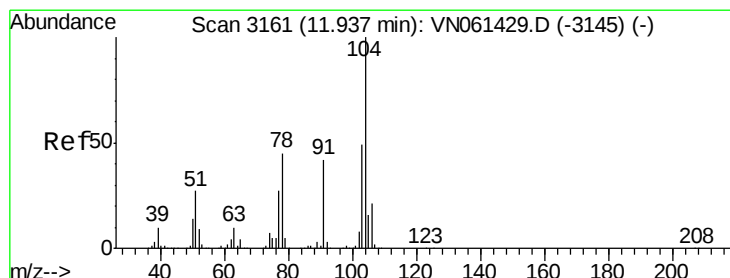
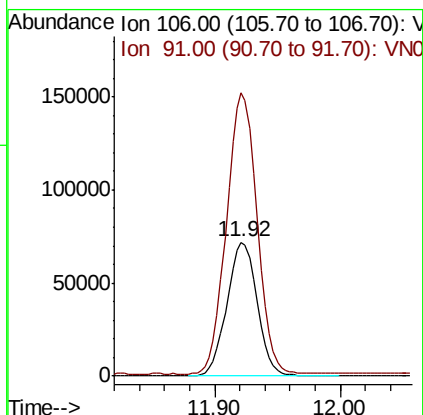
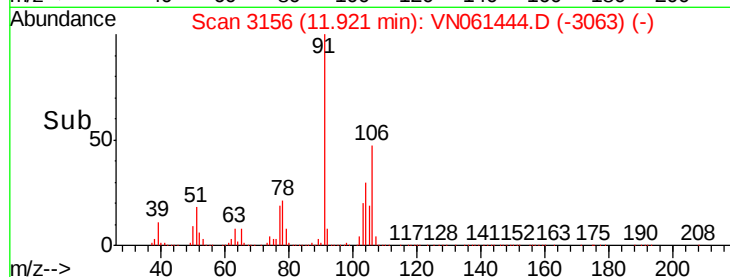
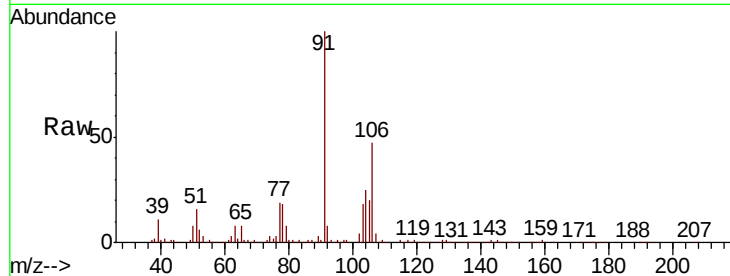




#69
o-Xylene
Concen: 17.760 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

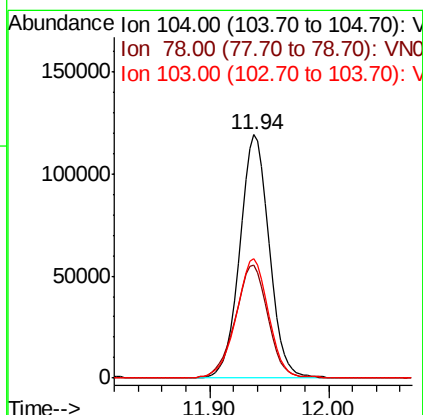
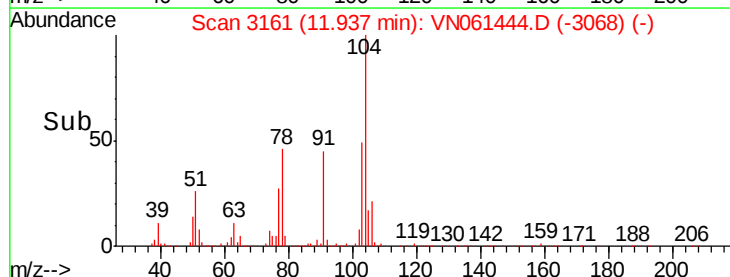
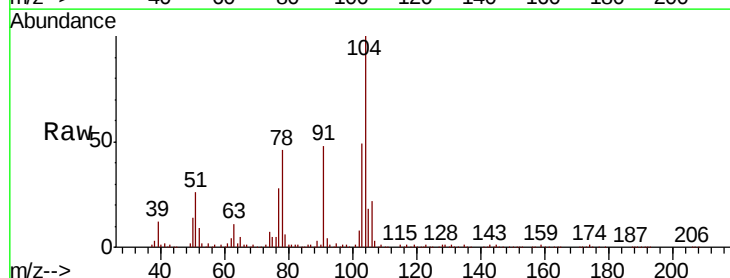
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

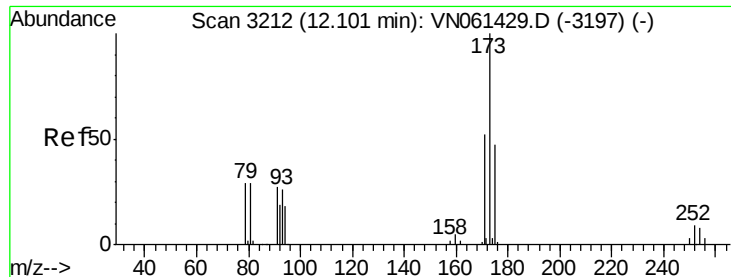
Tot Ion:106 Resp: 119411
Ion Ratio Lower Upper
106 100
91 213.2 107.9 323.7



#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 :

VN0518WBSD01

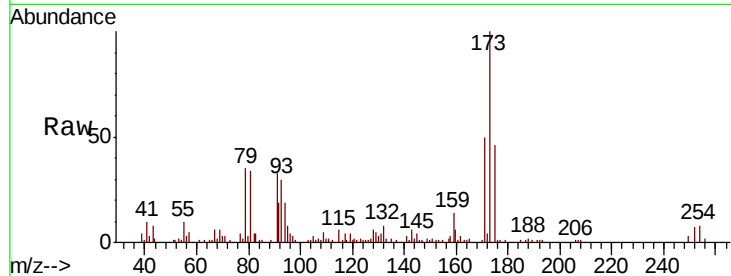
Tot Ion:173 Resp: 43869

Ion Ratio Lower Upper

173 100

175 46.6 23.9 71.8

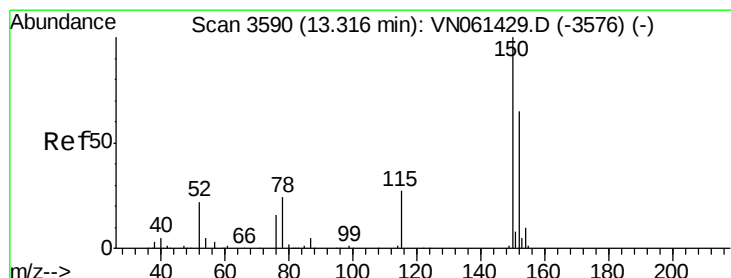
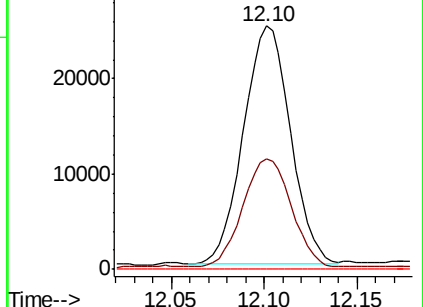
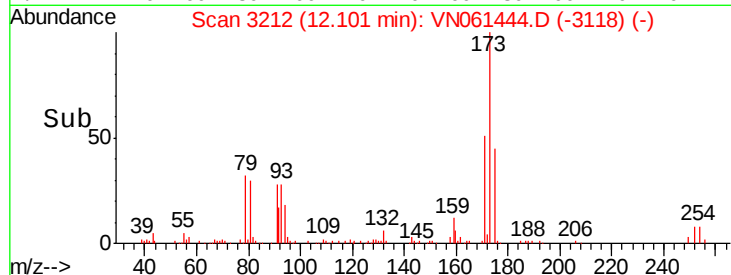
254 0.0 0.0 0.0



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



#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

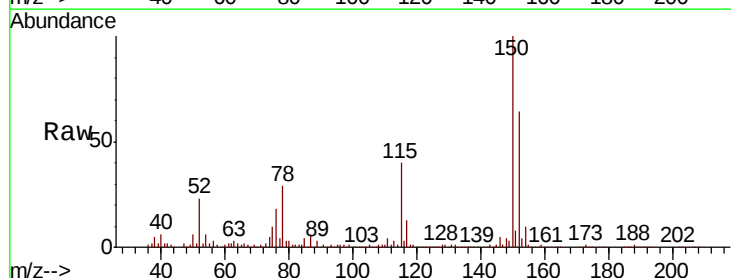
Tgt Ion:152 Resp: 225840

Ion Ratio Lower Upper

152 100

115 61.8 30.9 92.5

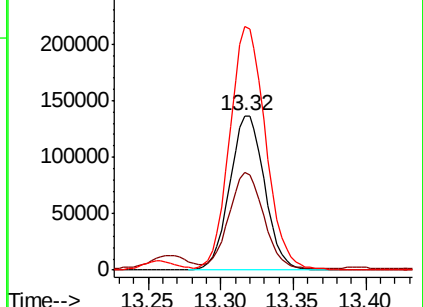
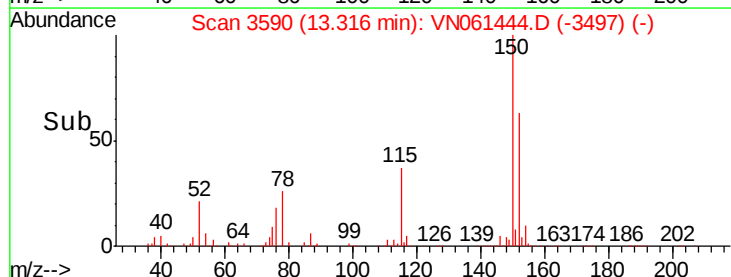
150 163.2 0.0 349.2

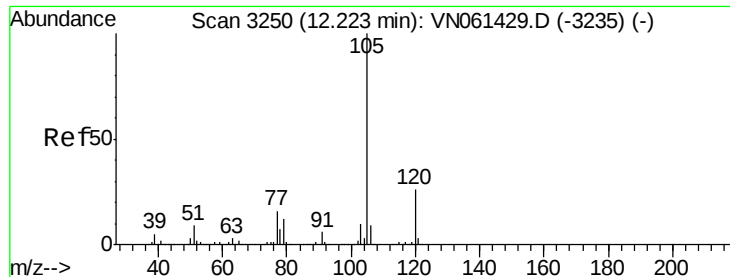


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#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 :

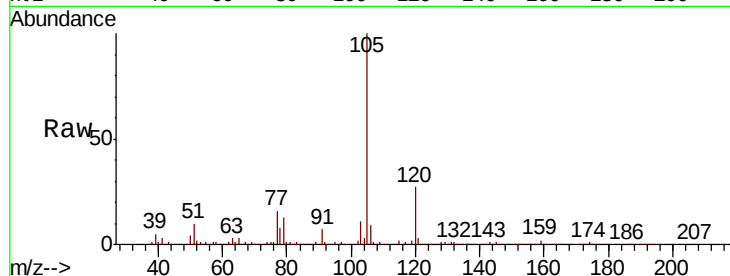
VN0518WBSD01

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

12.22

200000

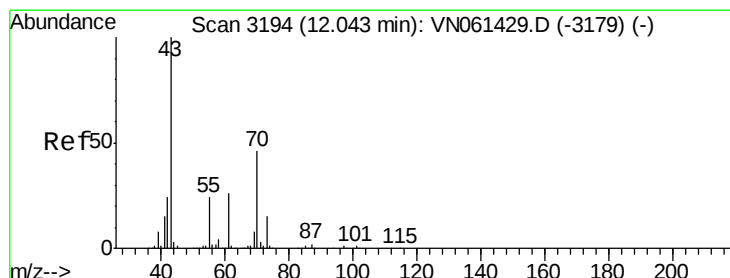
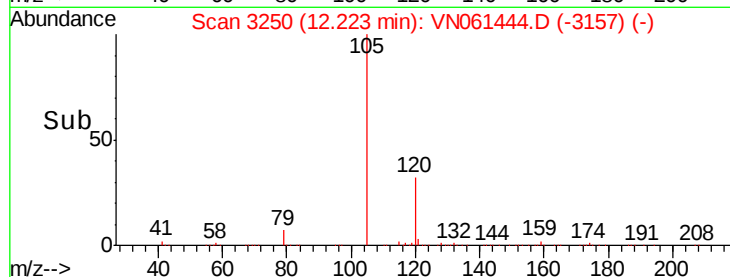
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#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

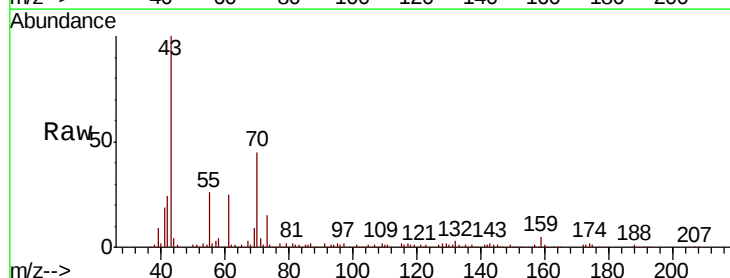
Ion Ratio Lower Upper

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

120000

100000

80000

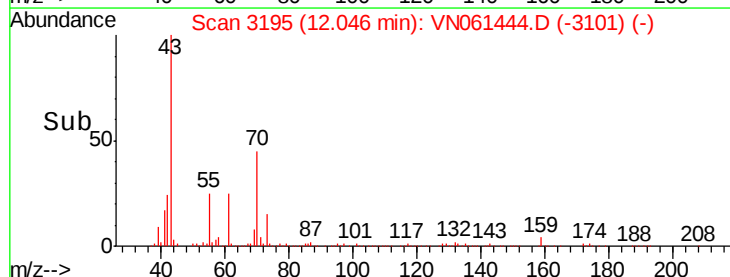
60000

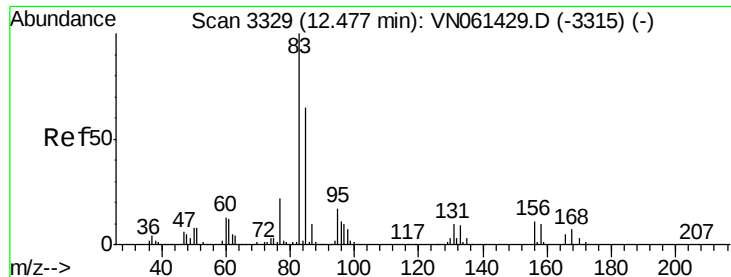
40000

20000

0

Time--> 11.95 12.00 12.05 12.10





#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 :

VN0518WBSD01

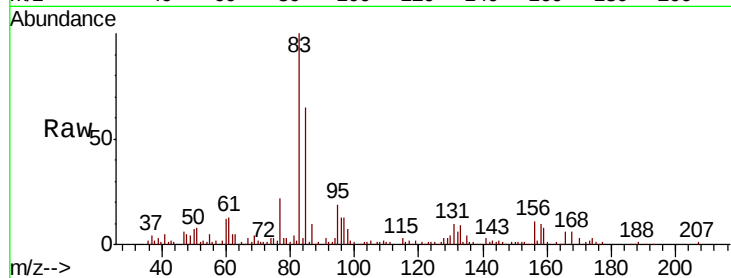
Tot Ion: 83 Resp: 90719

Ion Ratio Lower Upper

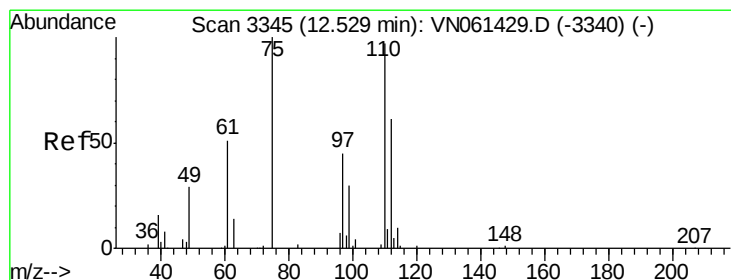
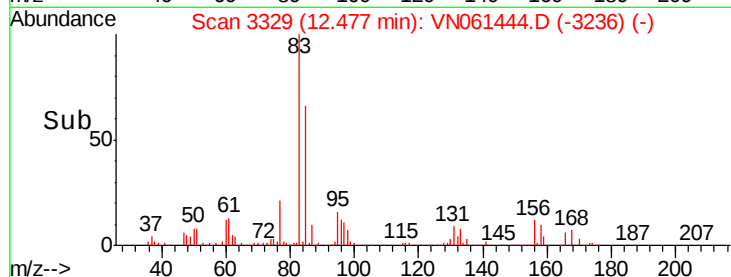
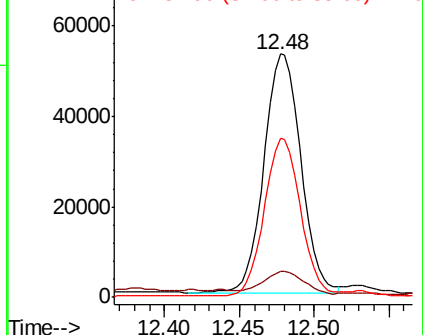
83 100

131 10.0 4.8 14.4

85 64.7 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#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

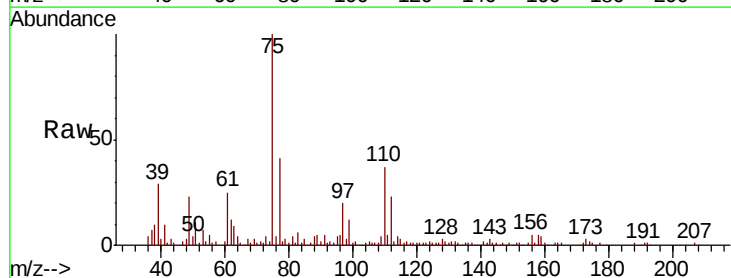
Acq: 18 May 2020 19:00

Tgt Ion: 75 Resp: 117642

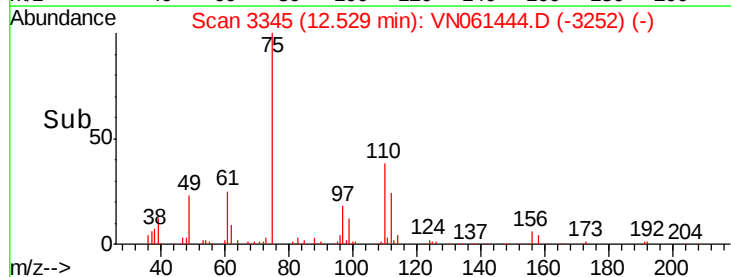
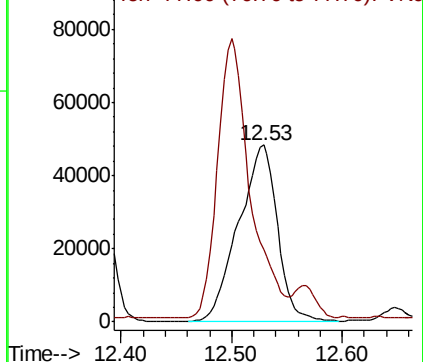
Ion Ratio Lower Upper

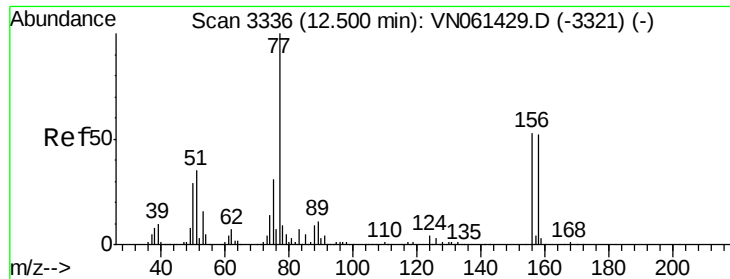
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#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

ClientSampleId :

VN0518WBSD01

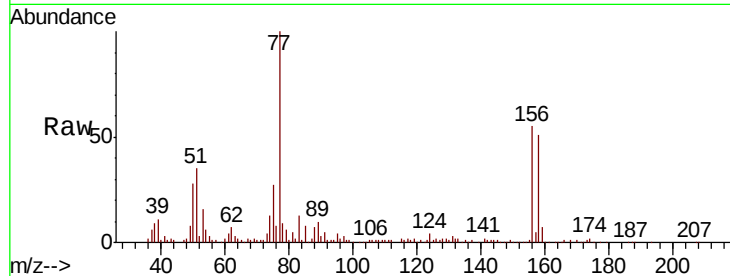
Tot Ion:156 Resp: 74130

Ion Ratio Lower Upper

156 100

77 211.8 112.3 336.9

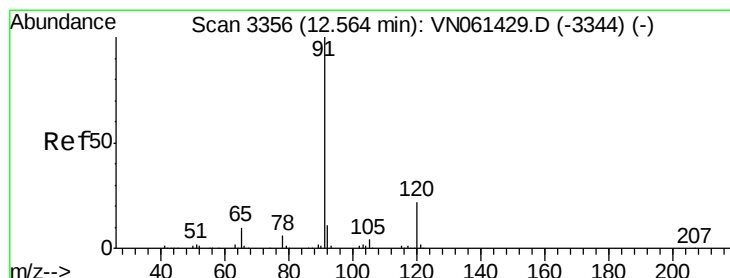
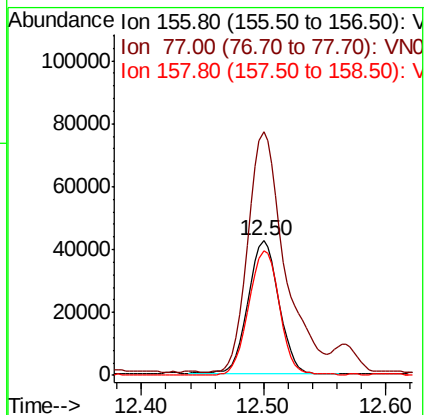
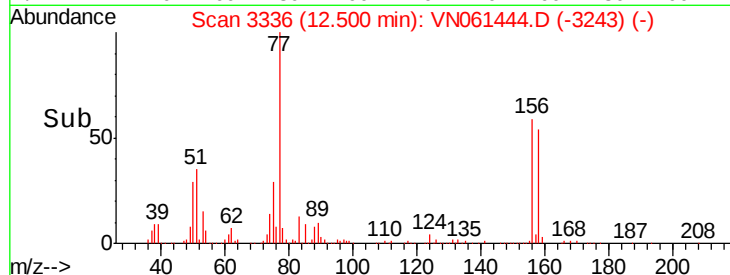
158 91.5 47.9 143.6



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

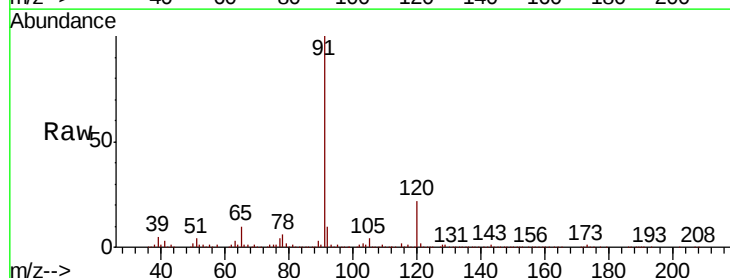
Acq: 18 May 2020 19:00

Tgt Ion: 91 Resp: 351552

Ion Ratio Lower Upper

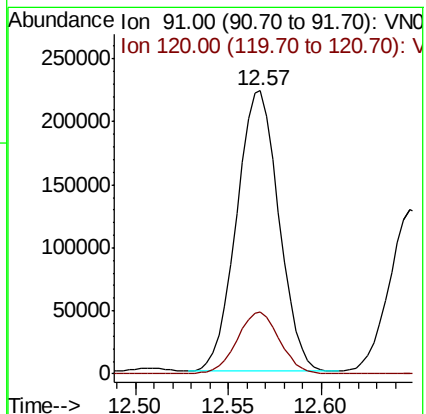
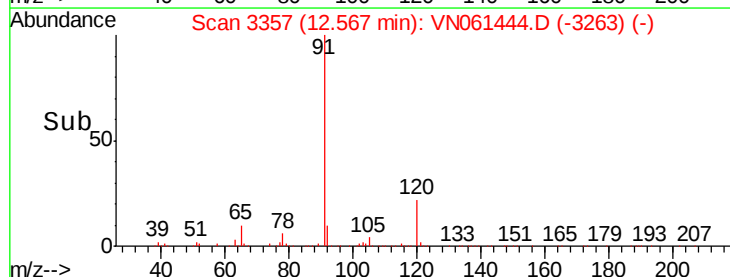
91 100

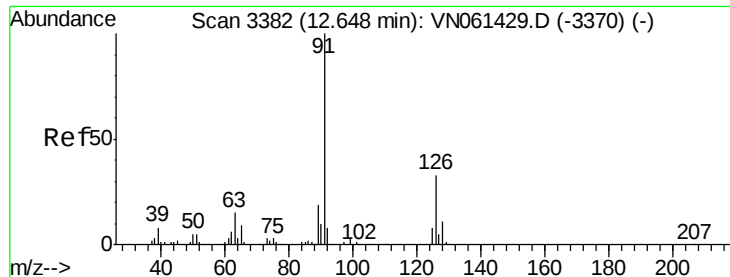
120 21.9 11.2 33.6



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

ClientSampleId :

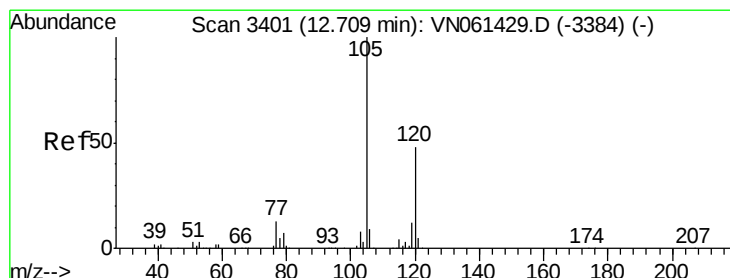
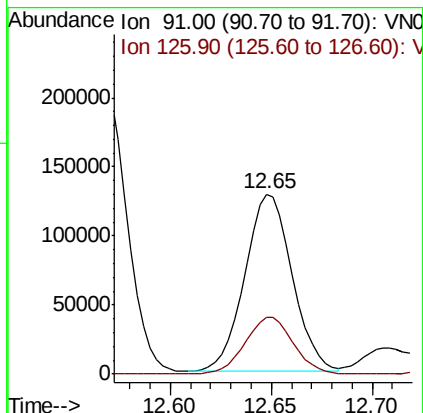
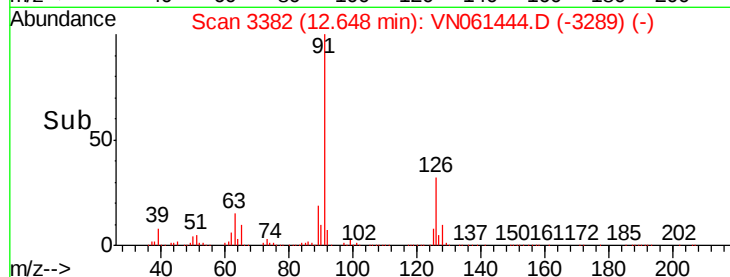
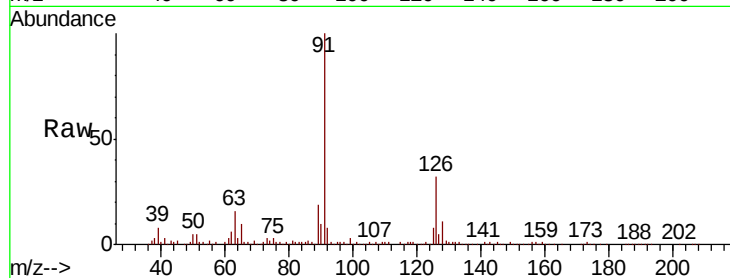
VN0518WBSD01

Tot Ion: 91 Resp: 210847

Ion Ratio Lower Upper

91 100

126 32.7 16.3 48.9



#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

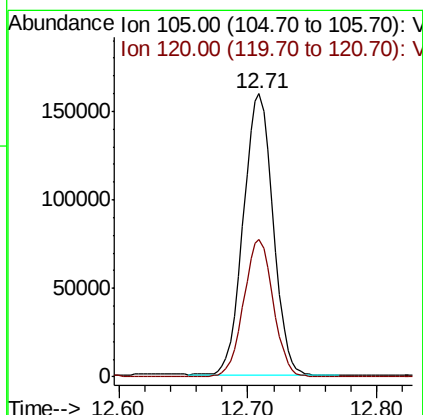
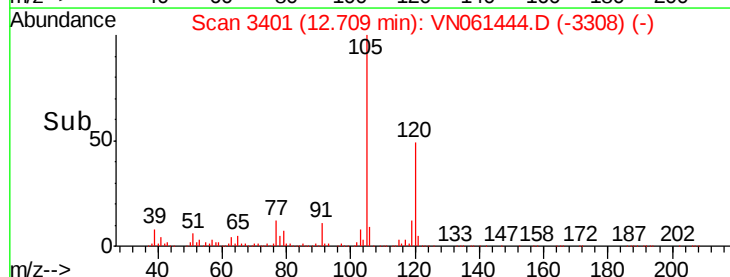
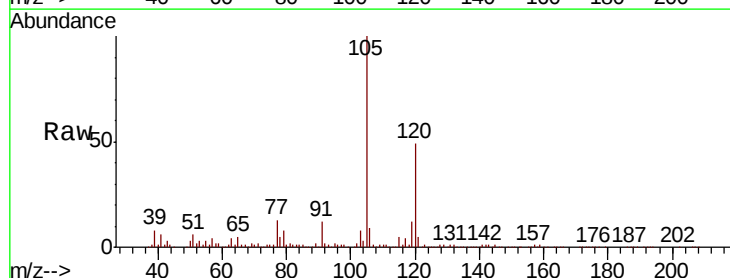
Acq: 18 May 2020 19:00

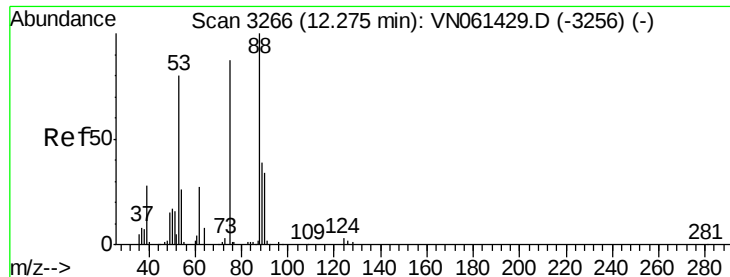
Tgt Ion: 105 Resp: 255726

Ion Ratio Lower Upper

105 100

120 47.7 24.1 72.4

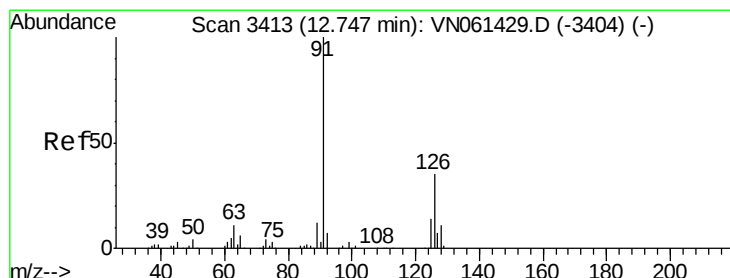
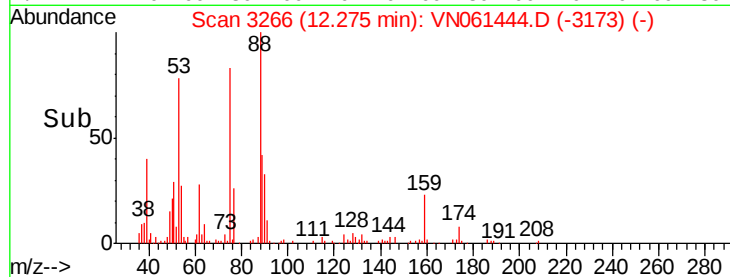
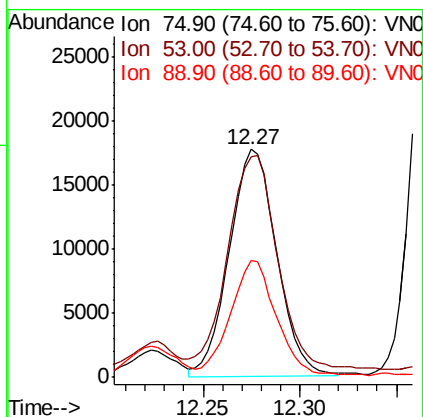
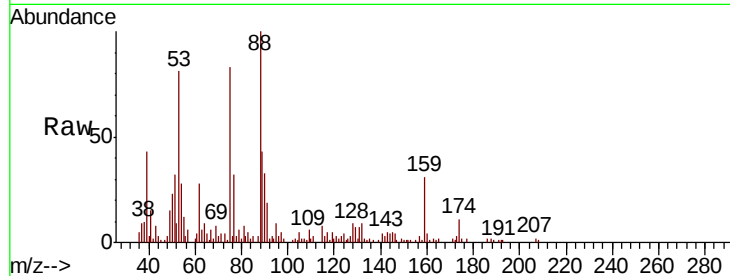




#81
trans-1,4-Dichloro-2-butene
Concen: 16.522 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN061444.D
Acq: 18 May 2020 19:00

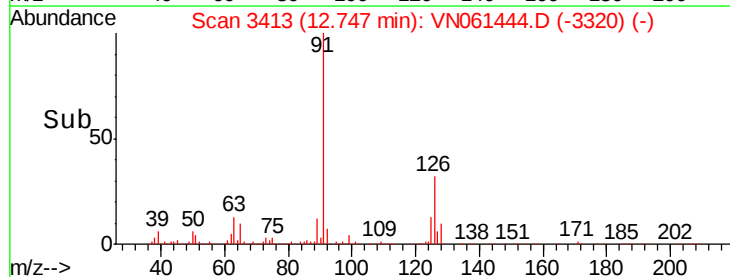
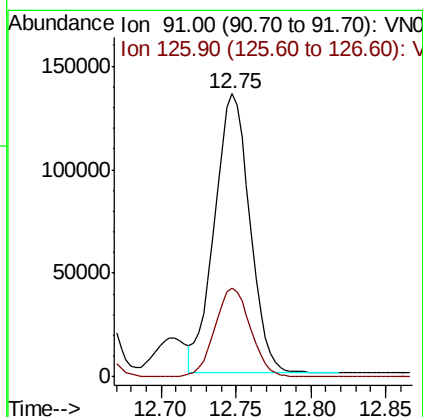
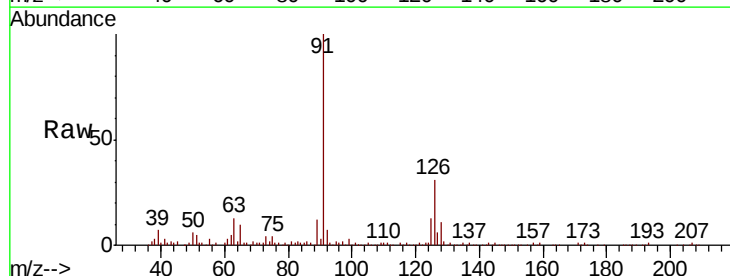
Instrument :
MSVOA_N
ClientSampleId :
VN0518WBSD01

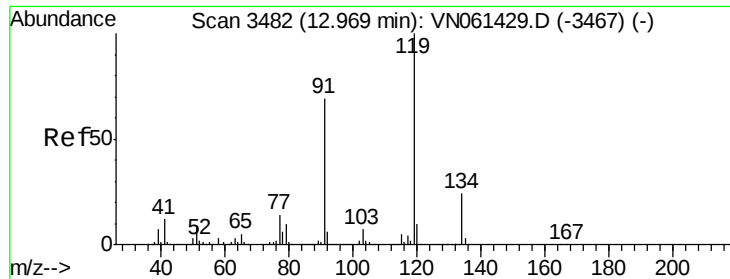
Tot Ion: 75 Resp: 30181
Ion Ratio Lower Upper
75 100
53 99.0 75.2 112.8
89 49.2 38.2 57.4



#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

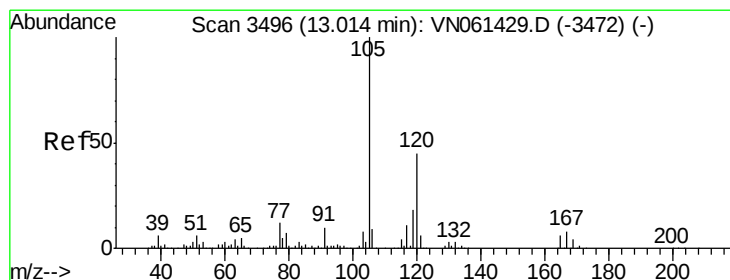
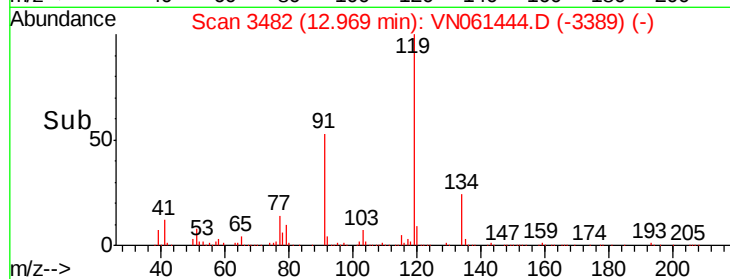
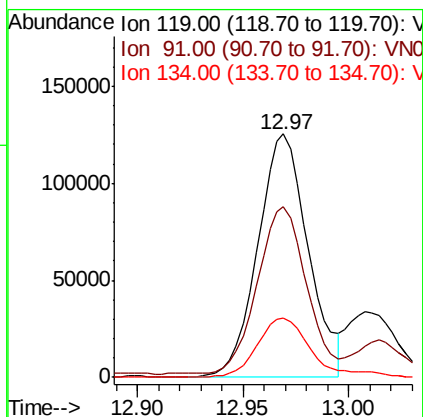
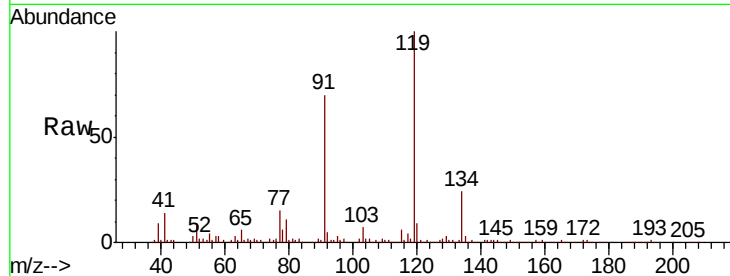




#83
 tert-Butylbenzene
 Concen: 16.292 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

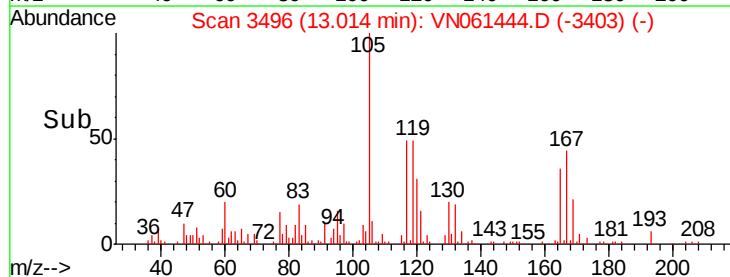
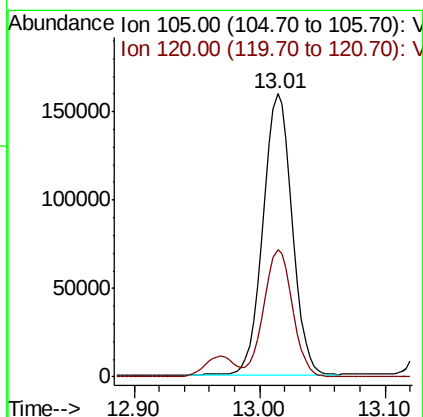
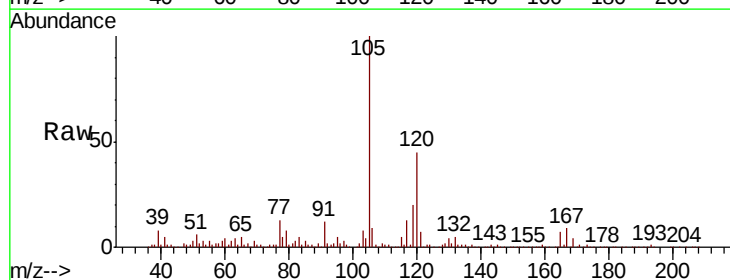
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

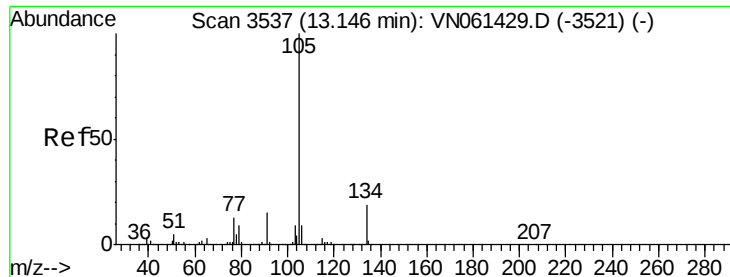
Tot Ion:119 Resp: 207169
 Ion Ratio Lower Upper
 119 100
 91 67.1 33.7 101.0
 134 26.7 12.8 38.3



#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 :

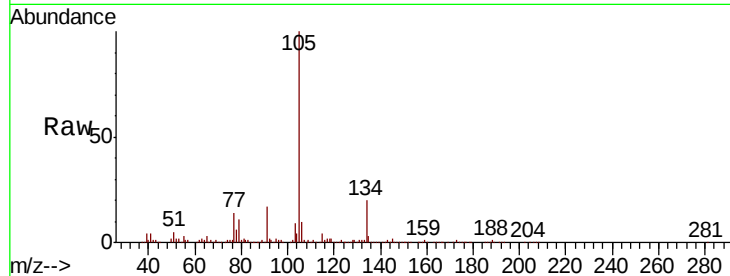
VN0518WBSD01

Tot Ion:105 Resp: 273676

Ion Ratio Lower Upper

105 100

134 19.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

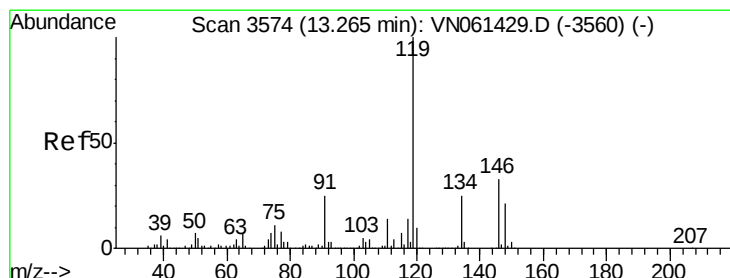
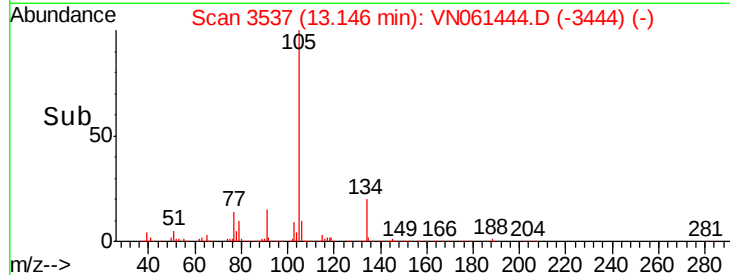
150000

100000

50000

0

Time-->



#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

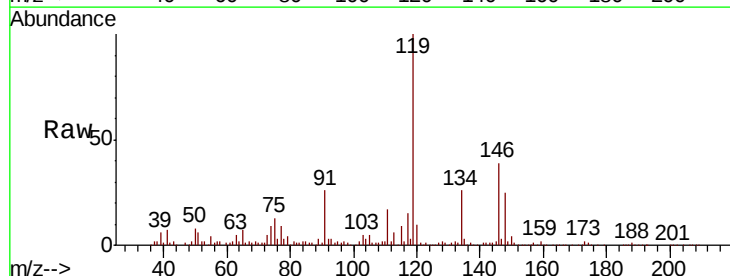
Tgt Ion:119 Resp: 242107

Ion Ratio Lower Upper

119 100

134 26.2 12.7 38.1

91 24.2 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.27

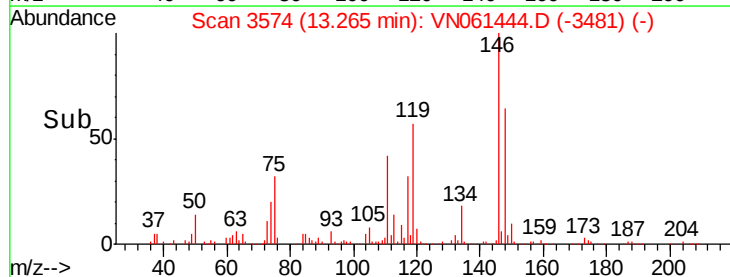
150000

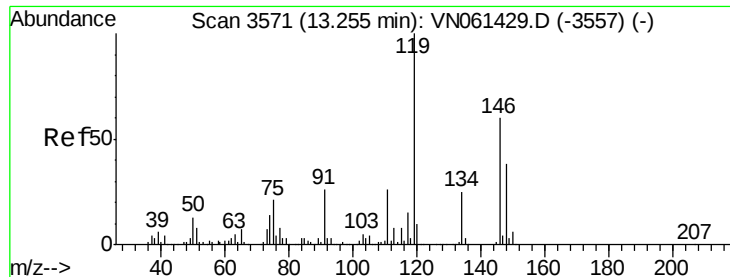
100000

50000

0

Time-->

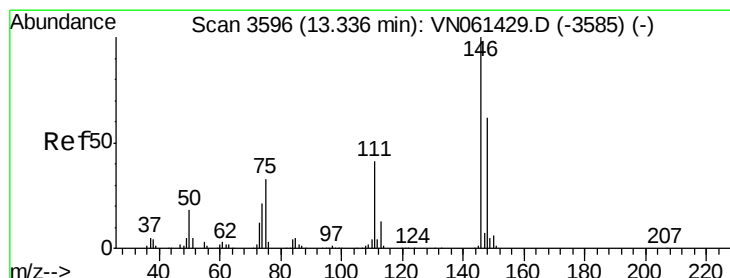
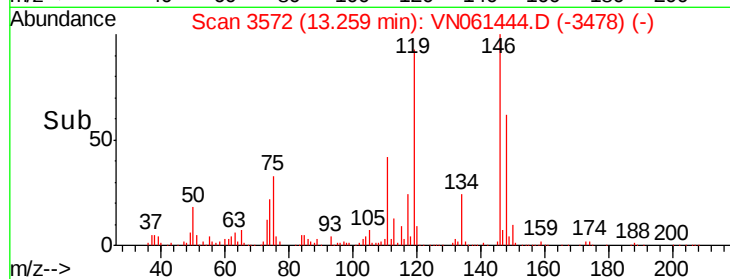
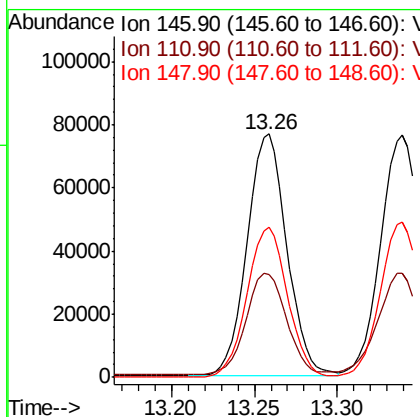
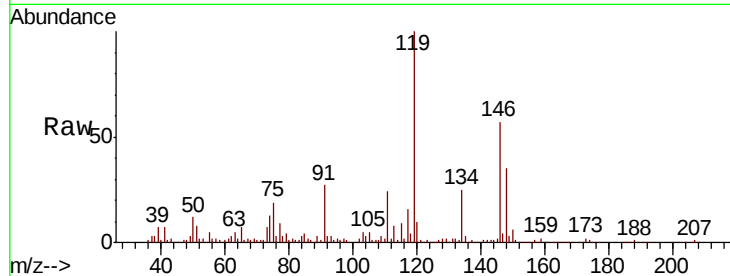




#87
 1,3-Dichlorobenzene
 Concen: 17.731 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

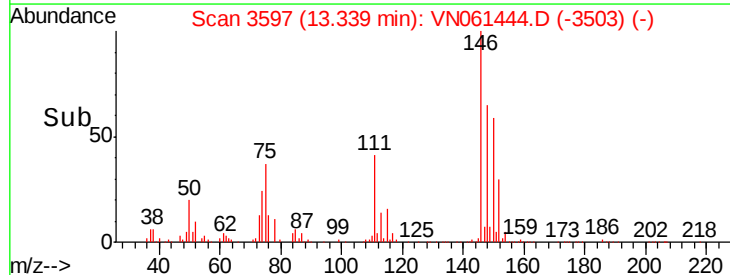
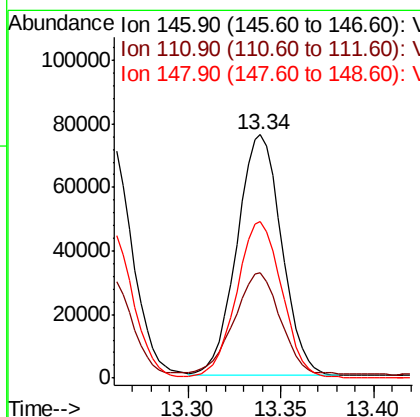
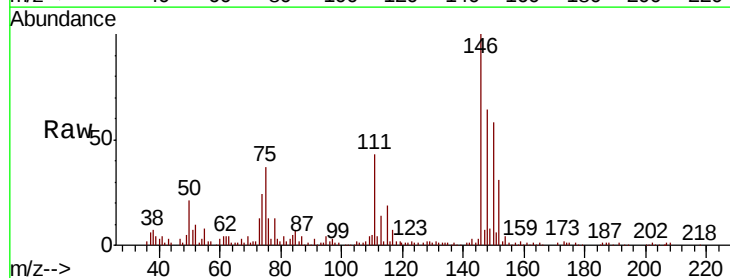
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

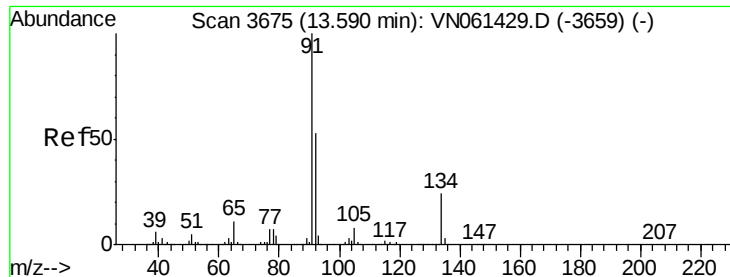
Tot Ion:146 Resp: 127682
 Ion Ratio Lower Upper
 146 100
 111 42.1 21.5 64.5
 148 63.4 31.8 95.3



#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 :

VN0518WBSD01

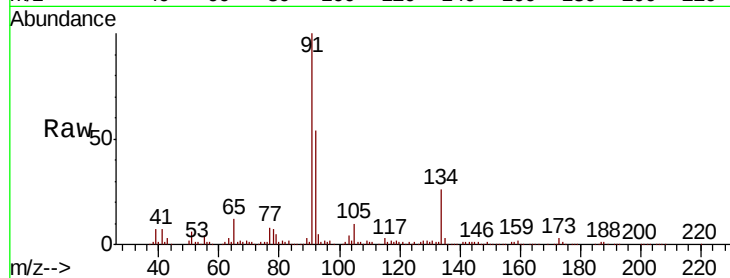
Tot Ion: 91 Resp: 208891

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) (-)

13.59

150000

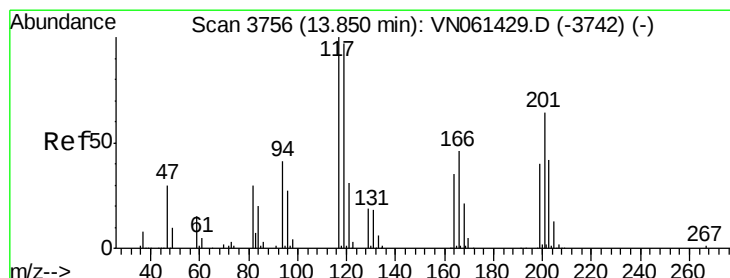
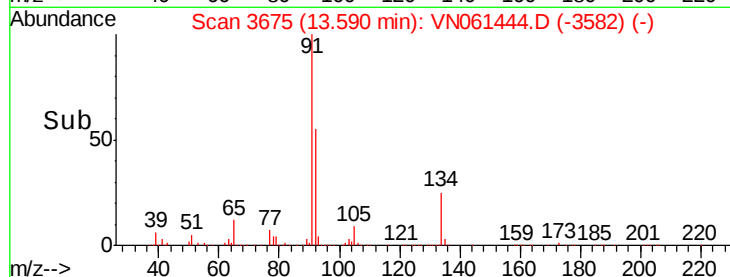
100000

50000

0

13.55 13.60 13.65

Time-->



#90

Hexachloroethane

Concen: 15.069 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061444.D

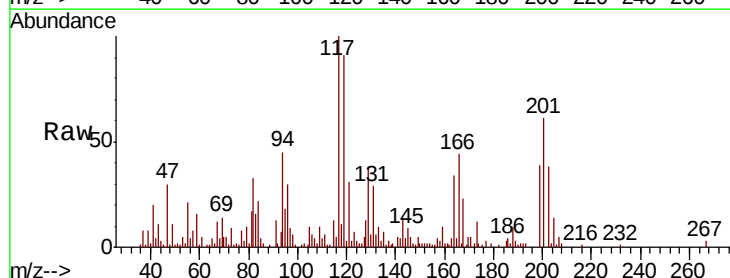
Acq: 18 May 2020 19:00

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) (-)

13.85

20000

15000

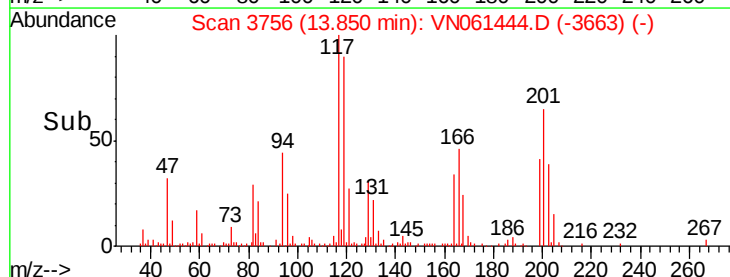
10000

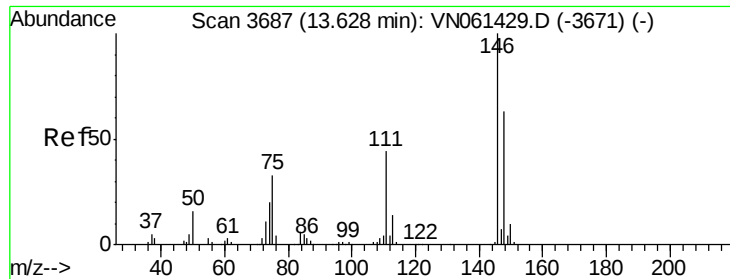
5000

0

13.80 13.85 13.90

Time-->





#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 :

VN0518WBSD01

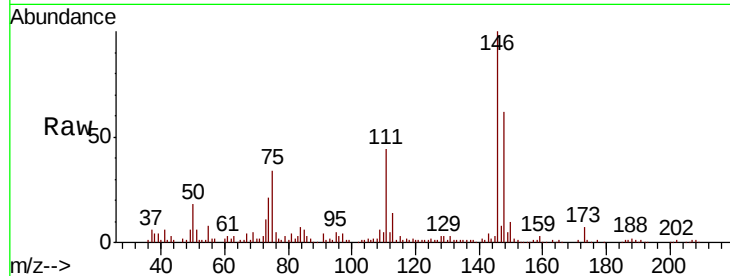
Tot Ion:146 Resp: 124399

Ion Ratio Lower Upper

146 100

111 43.6 21.9 65.7

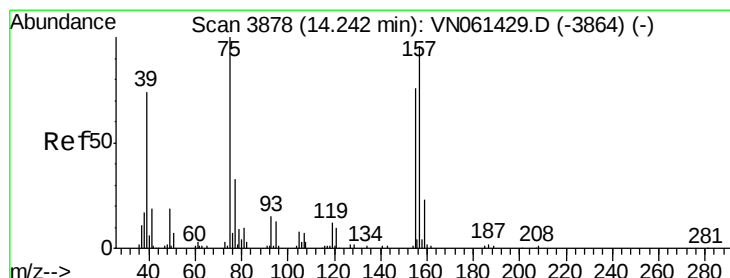
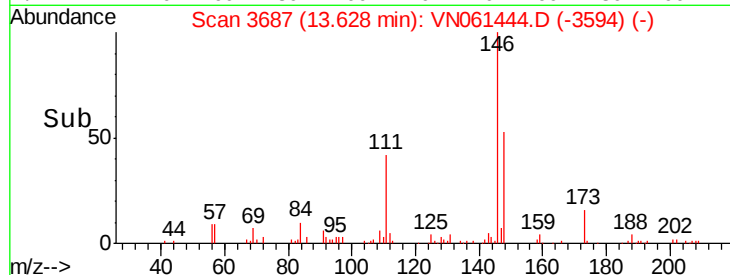
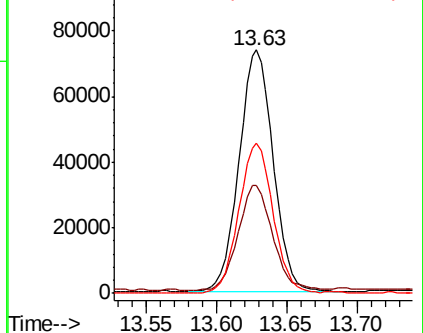
148 62.5 31.6 94.7



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

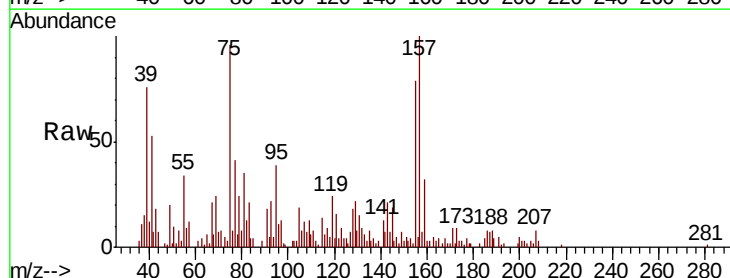
Tgt Ion: 75 Resp: 18921

Ion Ratio Lower Upper

75 100

155 78.4 38.9 116.7

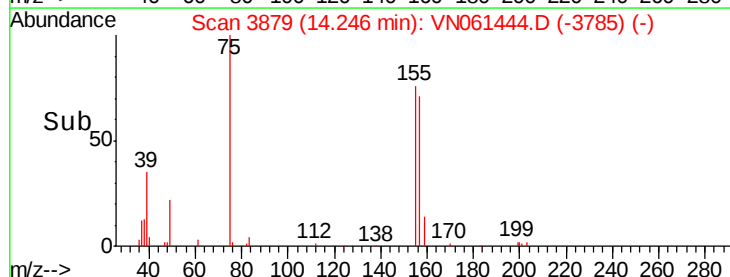
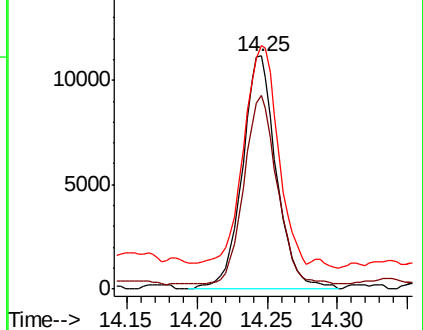
157 93.7 48.6 145.8

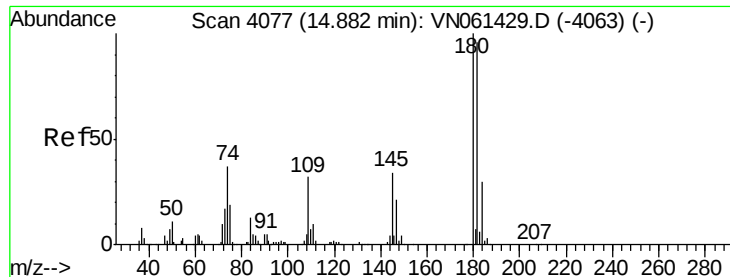


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

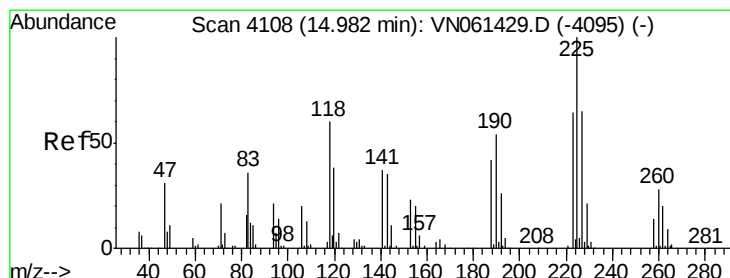
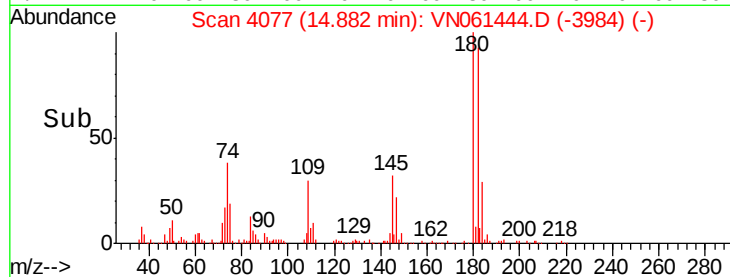
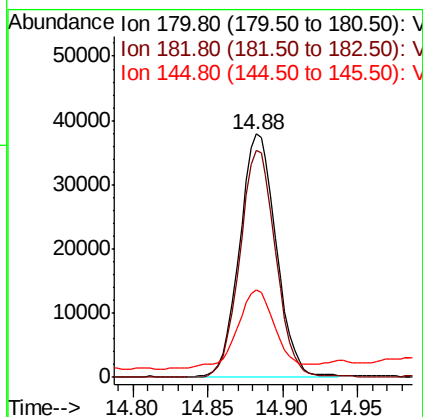
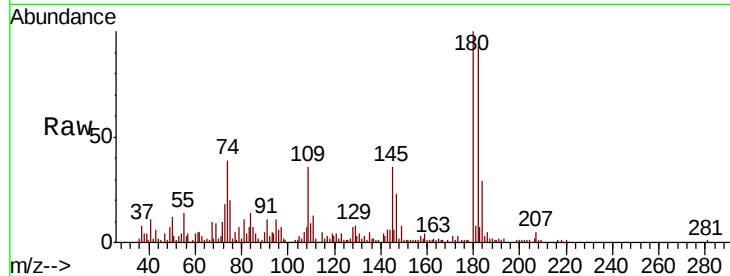




#93
 1,2,4-Trichlorobenzene
 Concen: 17.285 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061444.D
 Acq: 18 May 2020 19:00

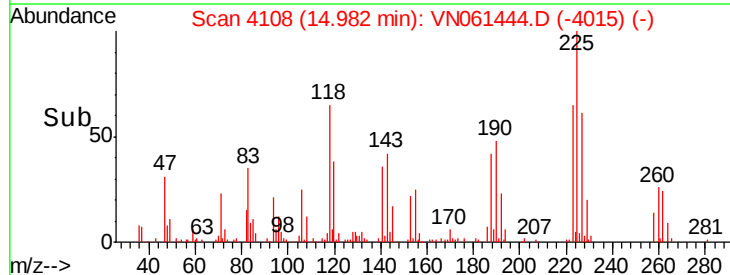
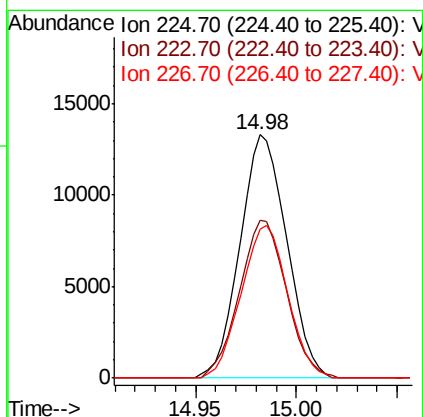
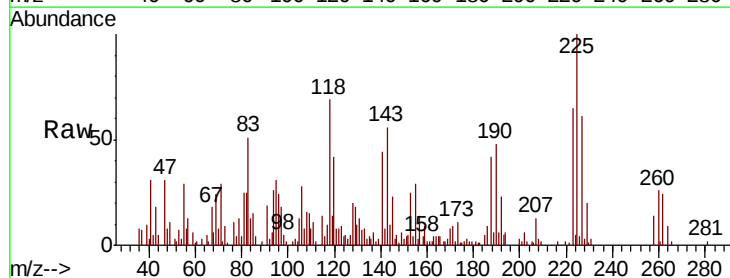
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0518WBSD01

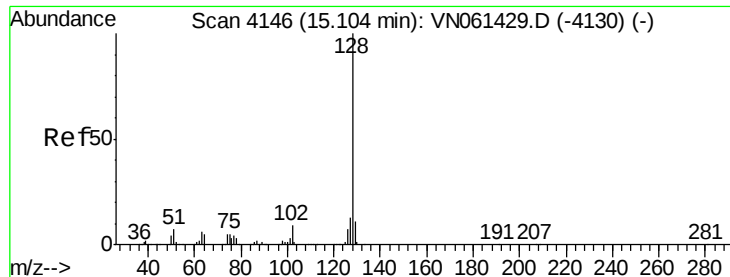
Tot Ion:180 Resp: 64740
 Ion Ratio Lower Upper
 180 100
 182 91.2 47.0 141.0
 145 32.2 16.7 50.0



#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





#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

ClientSampled :

VN0518WBSD01

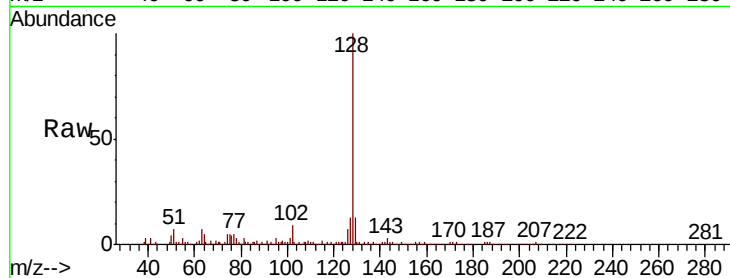
Tot Ion:128 Resp: 233817

Ion Ratio Lower Upper

128 100

127 12.5 10.1 15.1

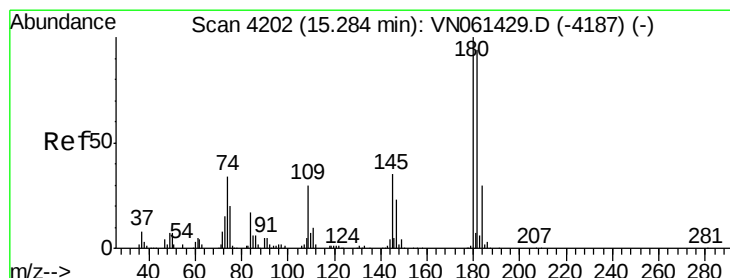
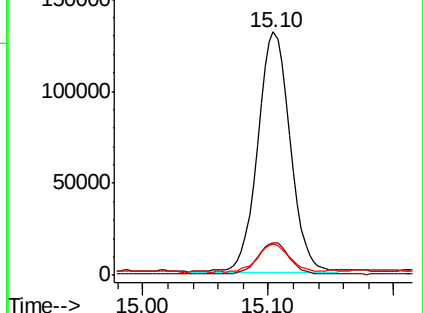
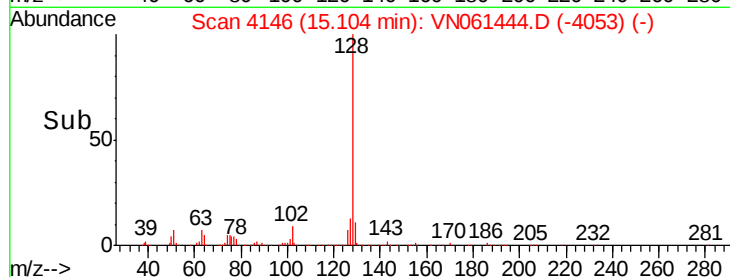
129 11.1 8.6 13.0



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

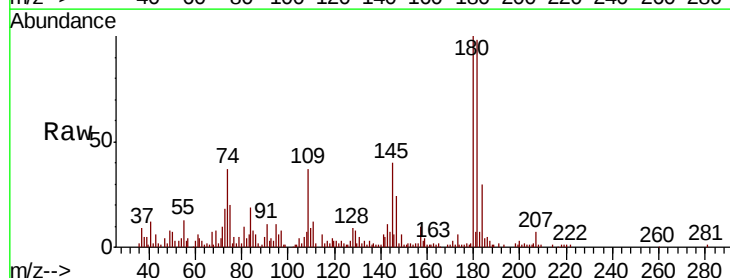
Tgt Ion:180 Resp: 63146

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

