

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051420\
 Data File : VN061399.D
 Acq On : 14 May 2020 17:43
 Operator : JC/MD
 Sample : VN0514WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 15 05:52:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 14 16:04:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	17970	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	107355	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	97819	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	50120	31.14	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.80%
60) 4-Bromofluorobenzene	12.37	95	49459	29.62	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.73%
63) Toluene-d8	10.06	98	136805	30.21	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	15979	19.529	ug/l 96
3) Chloromethane	2.03	50	32047	21.422	ug/l 98
4) Vinyl Chloride	2.16	62	43926	21.904	ug/l 97
5) Bromomethane	2.54	94	21746	21.349	ug/l 100
6) Chloroethane	2.68	64	29158	21.490	ug/l 97
7) Trichlorofluoromethane	2.98	101	44077	20.537	ug/l 98
8) Diethyl Ether	3.37	74	13795	20.209	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	19265	21.013	ug/l 95
10) 1,1-Dichloroethene	3.70	96	19606	20.312	ug/l 98
11) Methyl Iodide	3.91	142	23151	22.161	ug/l 95
12) Methyl Acetate	4.27	43	24965	21.296	ug/l 99
13) Acrolein	3.57	56	18637	94.422	ug/l 100
14) Acrylonitrile	4.93	53	57345	104.215	ug/l 99
15) Acetone	3.78	58	15012	113.609	ug/l 89
16) Carbon Disulfide	4.01	76	60695	22.369	ug/l 99
17) Allyl chloride	4.28	41	43579	22.430	ug/l 95
18) Methylene Chloride	4.51	84	24183	20.760	ug/l 99
19) trans-1,2-Dichloroethene	4.99	96	22644	19.712	ug/l 96
20) Diisopropyl ether	5.90	45	93122	20.589	ug/l 95
21) 1,1-Dichloroethane	5.80	63	49776	21.076	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	27875	20.695	ug/l 97
23) tert-Butyl Alcohol	4.73	59	23049	130.676	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	81226	20.735	ug/l # 80
25) Chloroform	7.33	83	47329	20.674	ug/l 97
26) Cyclohexane	7.61	56	46652	20.687	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	38202	20.278	ug/l 98
30) 2-Butanone	6.79	43	85427	107.198	ug/l 98
31) 2,2-Dichloropropane	6.77	77	44952	20.424	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	41865	19.862	ug/l 98
33) Carbon Tetrachloride	7.73	117	31686	19.584	ug/l 98
34) Benzene	8.00	78	106396	19.963	ug/l 96
35) Methacrylonitrile	7.13	41	18919	23.669	ug/l 96
36) 1,2-Dichloroethane	8.09	62	42067	20.562	ug/l 100
37) Trichloroethene	8.80	130	26482	20.180	ug/l 100
38) Methylcyclohexane	9.05	83	45184	19.980	ug/l 96
39) 1,2-Dichloropropane	9.08	63	30277	20.664	ug/l 99
40) Dibromomethane	9.18	93	18404	20.336	ug/l 92

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.37	83	39386	20.061	ug/l	99
42) Vinyl Acetate	5.84	43	383266	101.275	ug/l	100
43) Ethyl Acetate	6.88	43	36134	21.228	ug/l #	93
44) Isopropyl Acetate	8.13	43	68134	20.616	ug/l	100
45) 1,4-Dioxane	9.17	88	7599	582.635	ug/l	96
46) Methyl methacrylate	9.17	41	31253	20.109	ug/l	97
47) n-amyl Acetate	12.04	43	57878	19.634	ug/l	96
48) t-1,3-Dichloropropene	10.35	75	46048	19.875	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	48997	19.994	ug/l	95
50) 1,1,2-Trichloroethane	10.54	97	25415	20.310	ug/l	98
51) Ethyl methacrylate	10.40	69	42885	19.893	ug/l	92
52) 1,3-Dichloropropane	10.68	76	46814	20.489	ug/l	99
53) Dibromochloromethane	10.87	129	26284	19.170	ug/l	99
54) 1,2-Dibromoethane	10.98	107	25451	19.712	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	96321	100.956	ug/l	99
56) Bromoform	12.10	173	16815	19.501	ug/l #	96
58) 4-Methyl-2-Pentanone	9.95	43	187298	105.075	ug/l	99
59) 2-Hexanone	10.72	43	133991	106.271	ug/l	100
61) Tetrachloroethene	10.60	164	24511	20.038	ug/l	95
62) Toluene	10.13	91	115202	20.311	ug/l	99
64) Chlorobenzene	11.41	112	67685	20.162	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	24399	19.891	ug/l	99
66) Ethyl Benzene	11.48	91	131160	20.150	ug/l	100
67) m/p-Xylenes	11.59	106	96226	40.033	ug/l	98
68) o-Xylene	11.92	106	45838	19.981	ug/l	98
69) Styrene	11.94	104	77755	19.698	ug/l	99
70) Isopropylbenzene	12.22	105	123843	19.924	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	34820	20.278	ug/l	97
72) 1,2,3-Trichloropropane	12.53	75	49502	30.225	ug/l	61
73) Bromobenzene	12.50	156	25352	19.637	ug/l	93
74) n-propylbenzene	12.57	91	145901	19.742	ug/l	99
75) 2-Chlorotoluene	12.65	91	84385	19.911	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	103987	19.936	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	13544	19.870	ug/l	99
78) 4-Chlorotoluene	12.75	91	86394	19.467	ug/l	99
79) tert-butylbenzene	12.97	119	87335	20.156	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	102939	19.771	ug/l	99
81) sec-Butylbenzene	13.15	105	118582	19.866	ug/l	100
82) p-Isopropyltoluene	13.26	119	103516	19.258	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	46033	19.185	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	45803	19.287	ug/l	98
85) n-Butylbenzene	13.59	91	95970	19.286	ug/l	98
86) Hexachloroethane	13.85	117	14375	19.185	ug/l	84
87) 1,2-Dichlorobenzene	13.63	146	45292	19.899	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	7670	20.958	ug/l	90
89) 1,2,4-Trichlorobenzene	14.89	180	24526	18.755	ug/l	99
90) Hexachlorobutadiene	14.99	225	10852	20.371	ug/l	98
91) Naphthalene	15.11	128	79562	19.343	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	24453	19.253	ug/l	97

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QLast Update : Thu May 14 16:04:10 2020
Response via : Initial Calibration

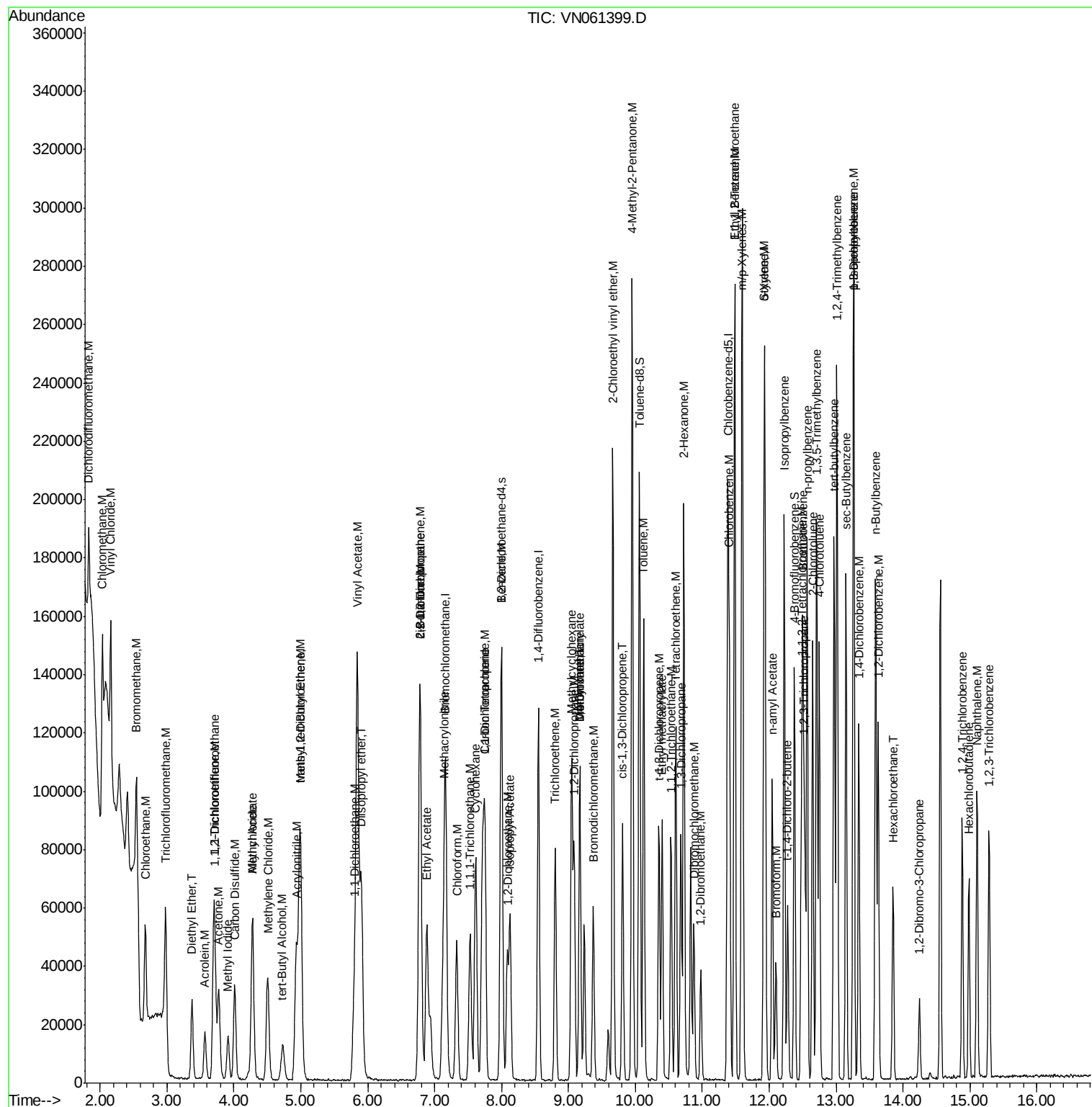
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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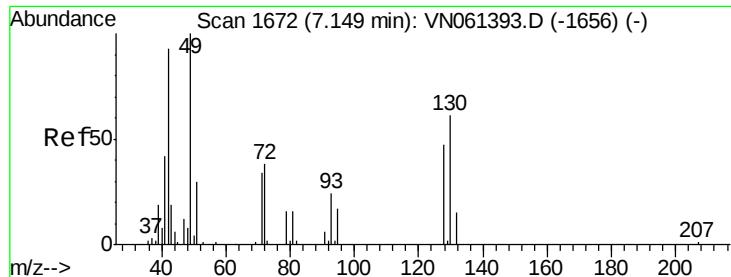
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: May 15 05:52:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N051420W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 14 16:04:10 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :

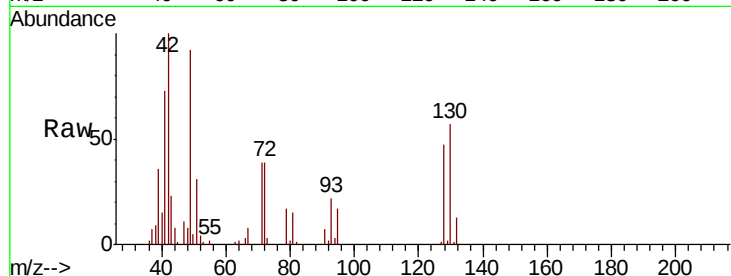
Tot Ion:128 Resp: 17970

Ion Ratio Lower Upper

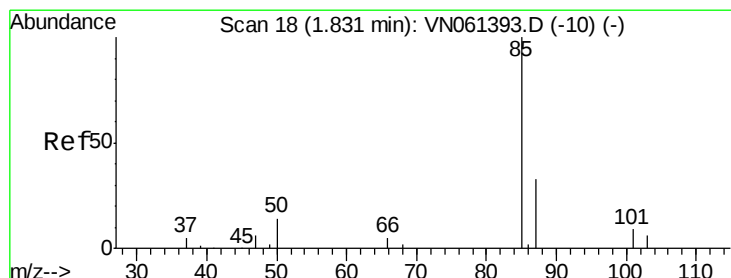
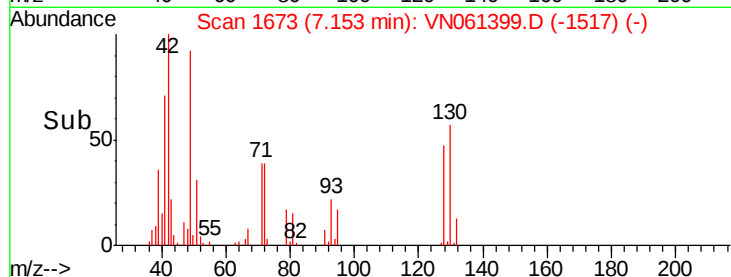
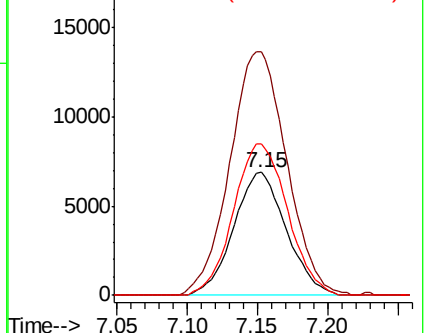
128 100

49 213.5 0.0 453.5

130 127.0 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 19.529 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061399.D

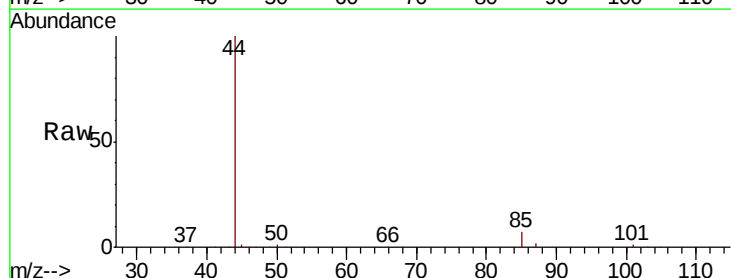
Acq: 14 May 2020 17:43

Tgt Ion: 85 Resp: 15979

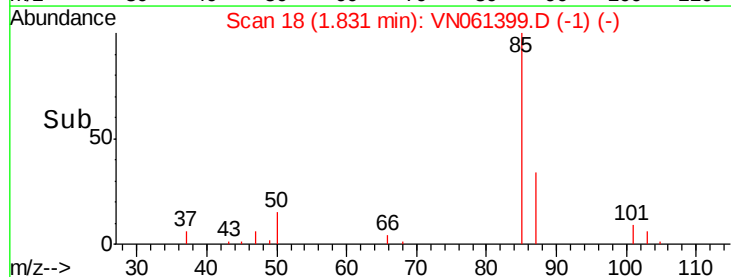
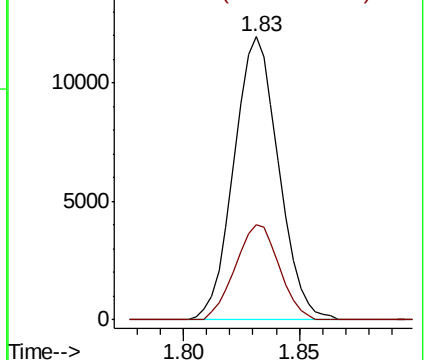
Ion Ratio Lower Upper

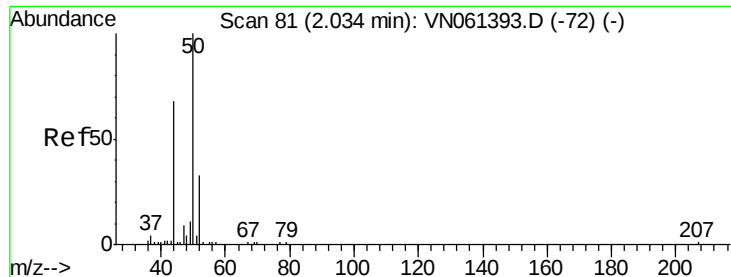
85 100

87 33.5 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 21.422 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

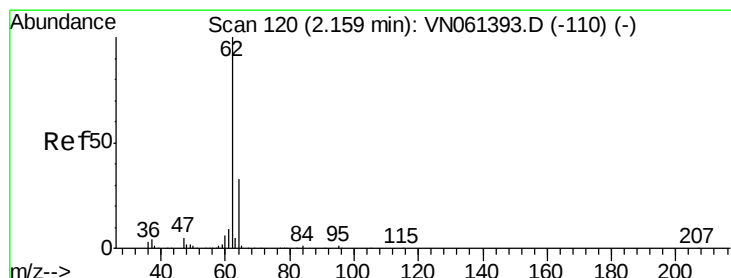
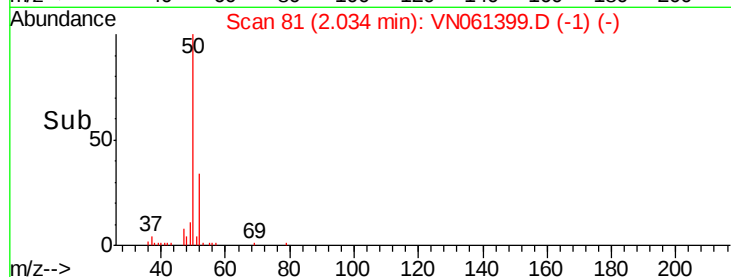
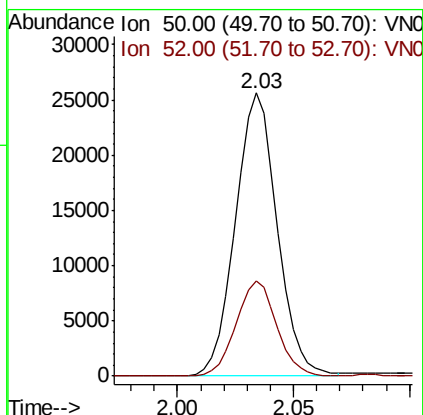
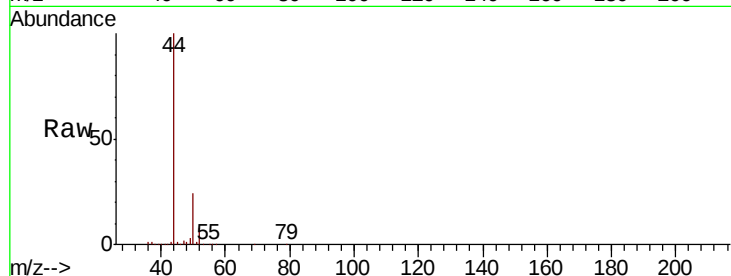
ClientSampleId :

Tot Ion: 50 Resp: 32047

Ion Ratio Lower Upper

50 100

52 33.5 25.8 38.8



#4

Vinyl Chloride

Concen: 21.904 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061399.D

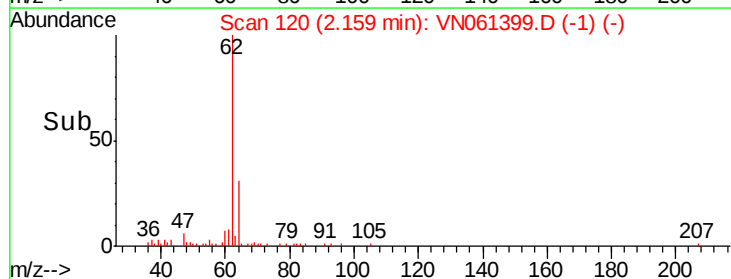
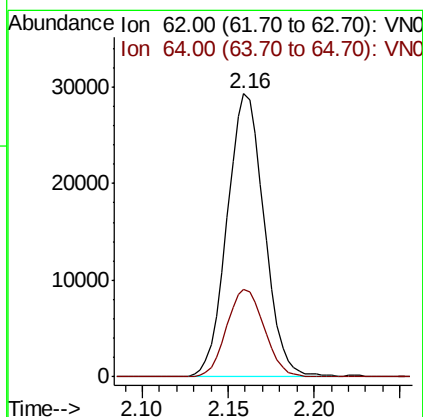
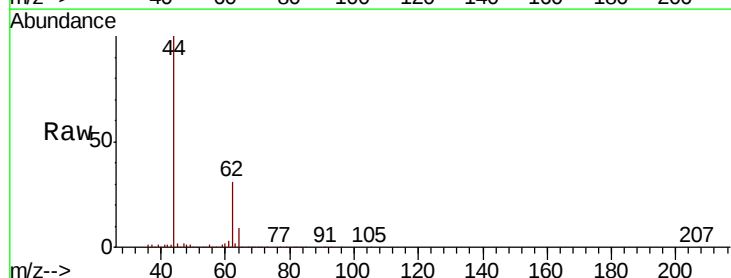
Acq: 14 May 2020 17:43

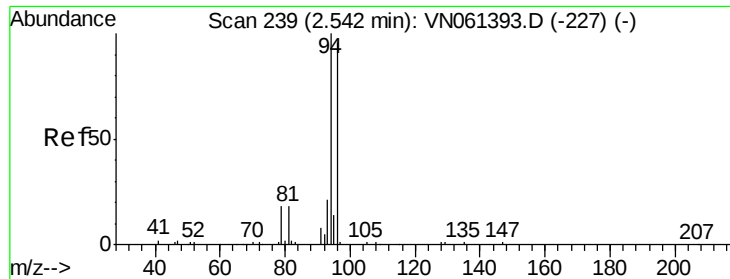
Tgt Ion: 62 Resp: 43926

Ion Ratio Lower Upper

62 100

64 31.0 26.1 39.1





#5

Bromomethane

Concen: 21.349 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

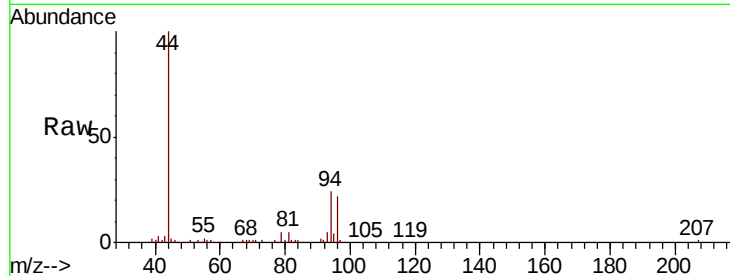
ClientSampled :

Tot Ion: 94 Resp: 21746

Ion Ratio Lower Upper

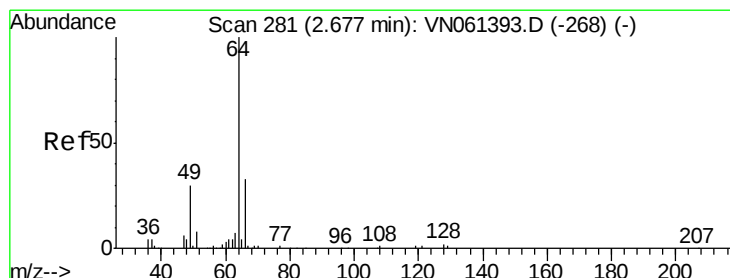
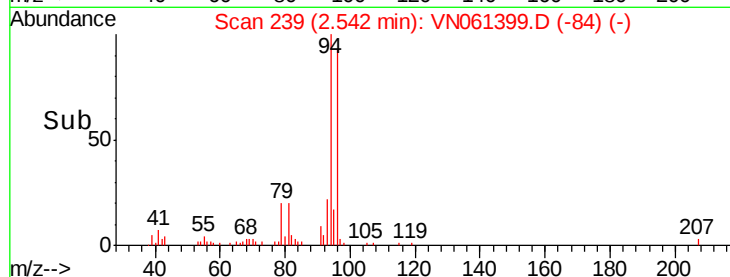
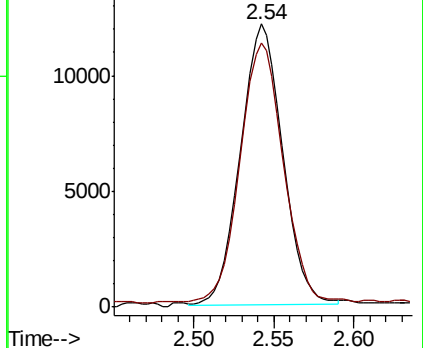
94 100

96 92.5 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.490 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN061399.D

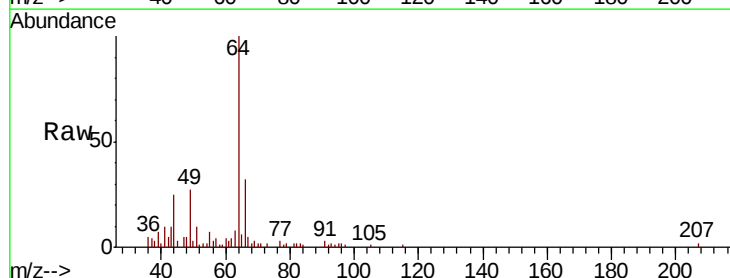
Acq: 14 May 2020 17:43

Tgt Ion: 64 Resp: 29158

Ion Ratio Lower Upper

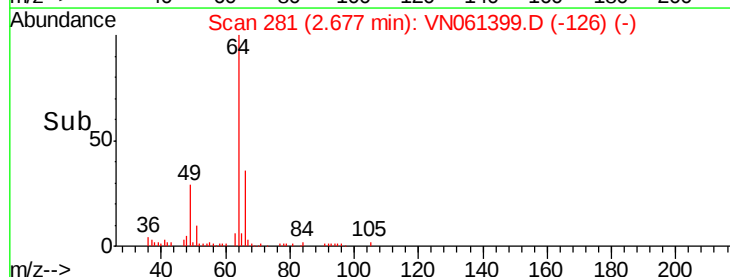
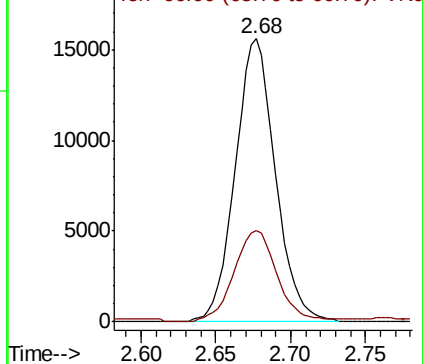
64 100

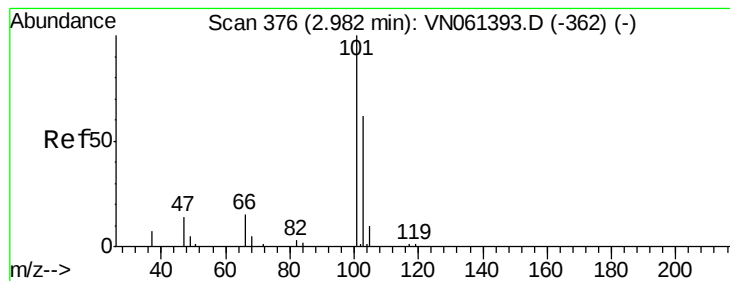
66 32.3 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



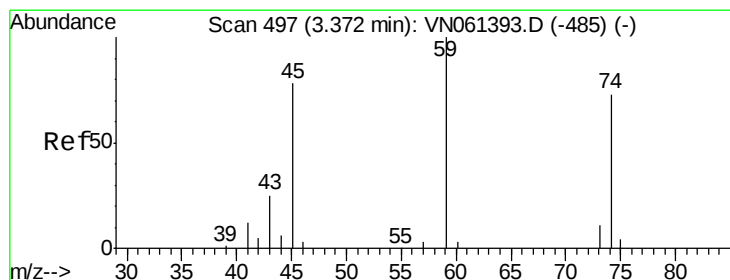
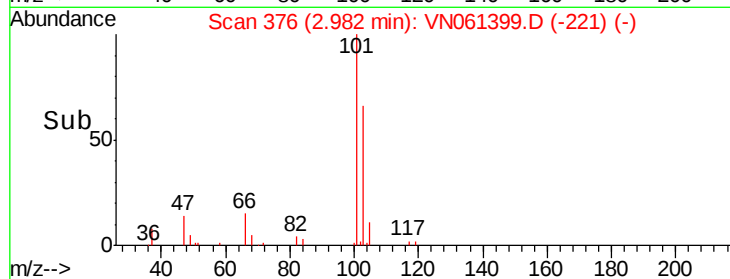
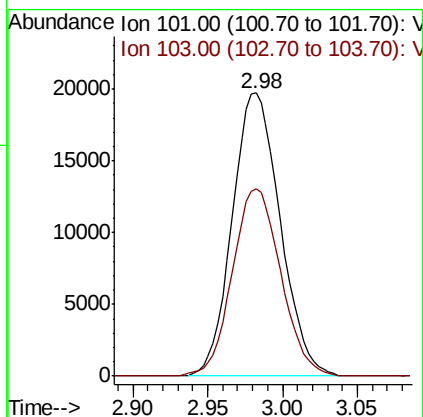
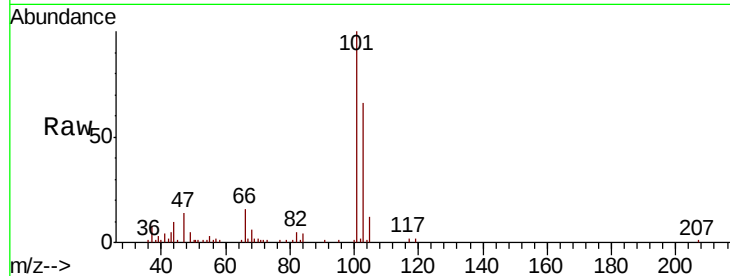


#7

Trichlorofluoromethane
 Concen: 20.537 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampled :

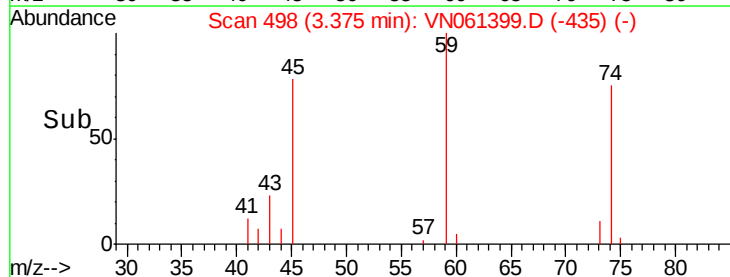
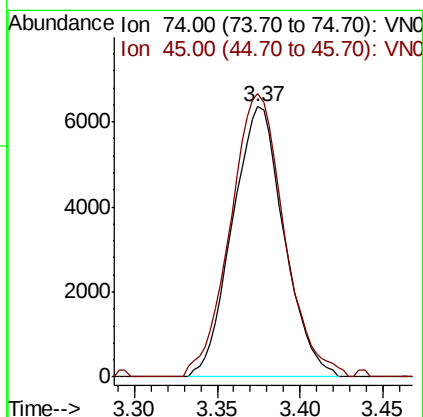
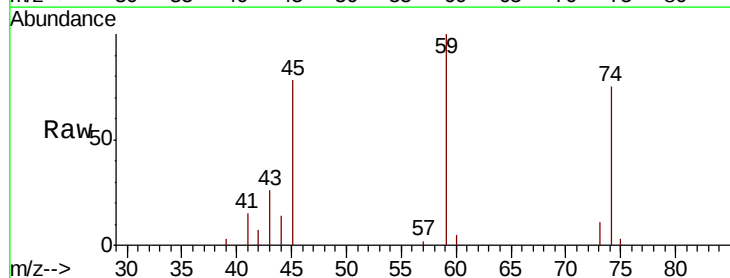
Tot Ion:101 Resp: 44077
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.5 77.3

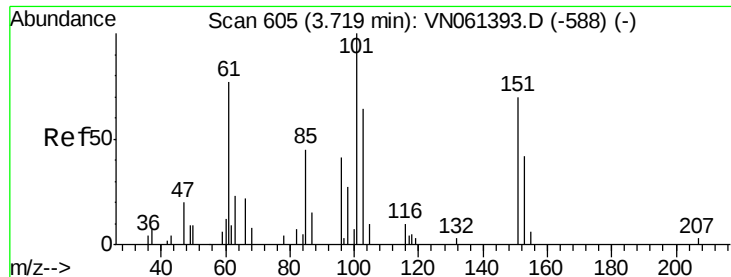


#8

Diethyl Ether
 Concen: 20.209 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion: 74 Resp: 13795
 Ion Ratio Lower Upper
 74 100
 45 109.1 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.013 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

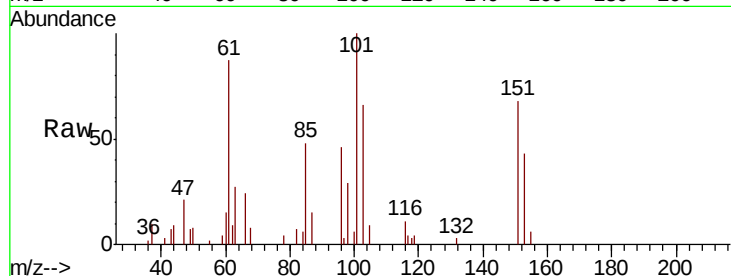
Tot Ion:101 Resp: 19265

Ion Ratio Lower Upper

101 100

85 47.7 0.0 93.8

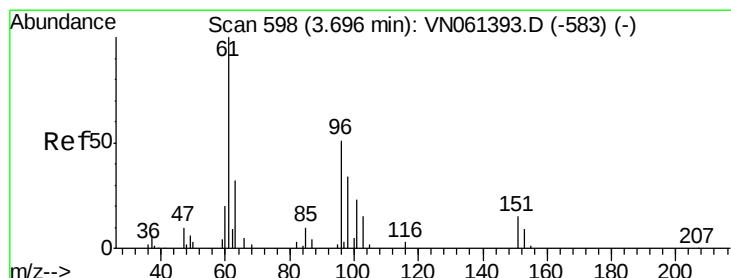
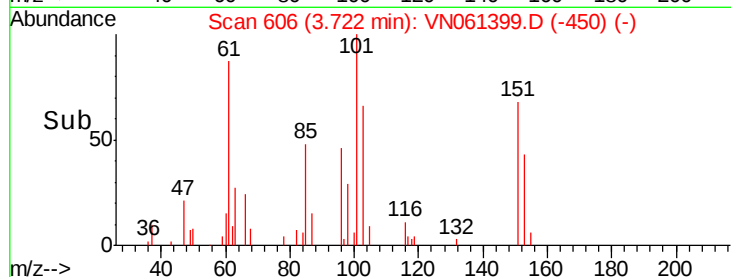
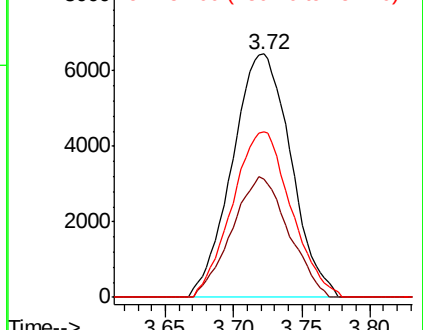
151 68.2 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.312 ug/l

RT: 3.70 min Scan# 600

Delta R.T. 0.01 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

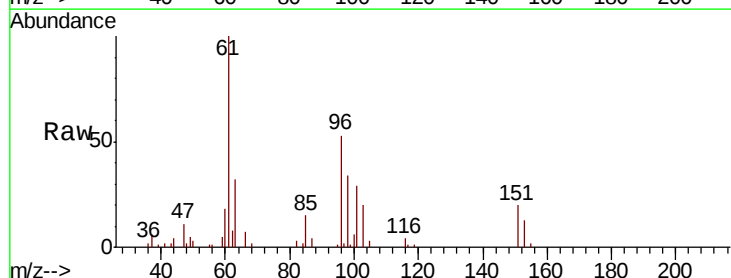
Tgt Ion: 96 Resp: 19606

Ion Ratio Lower Upper

96 100

61 189.4 148.5 222.7

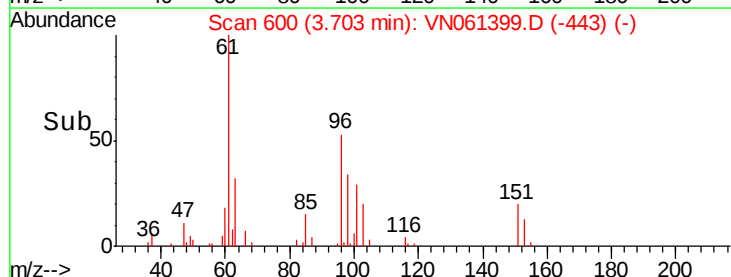
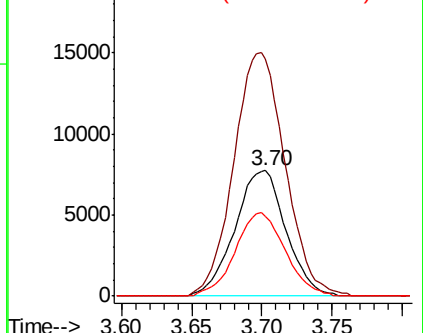
98 63.8 51.0 76.6

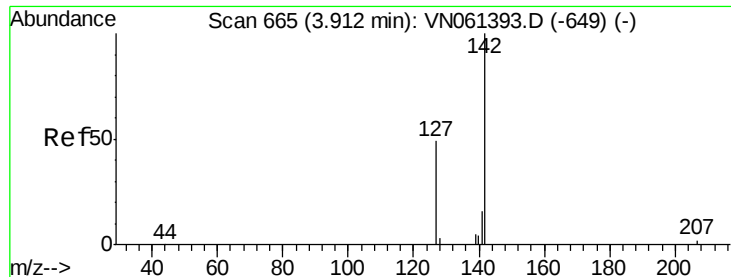


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

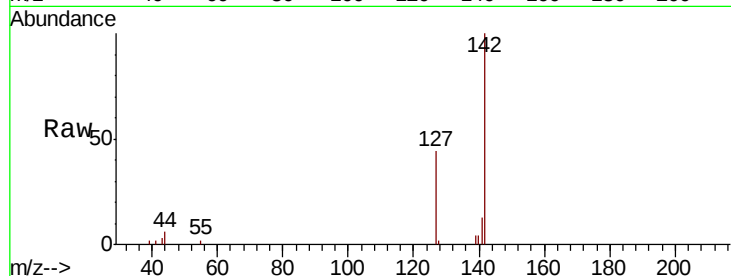




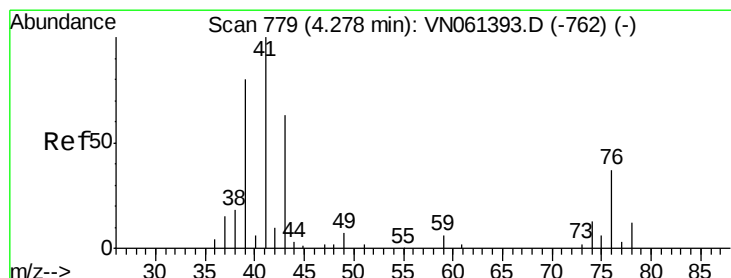
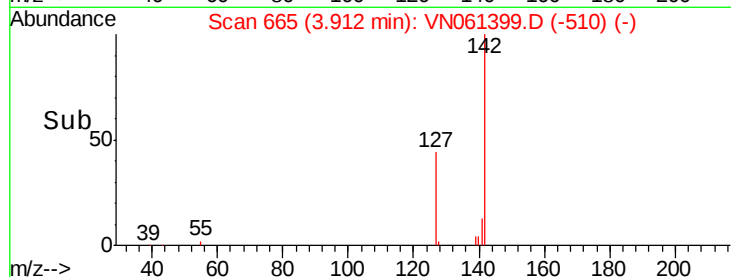
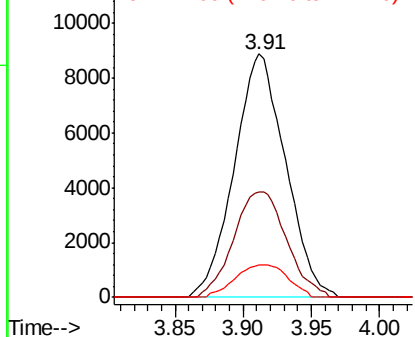
#11
Methvl Iodide
Concen: 22.161 ug/l
RT: 3.91 min Scan# 665
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:142 Resp: 23151
Ion Ratio Lower Upper
142 100
127 43.5 23.5 70.6
141 13.2 7.4 22.2

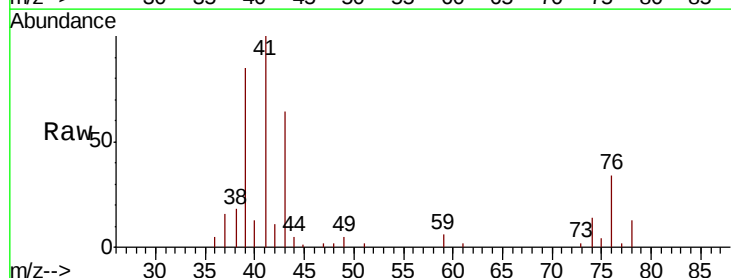


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

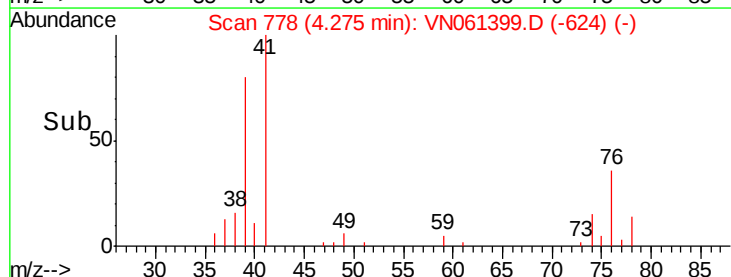
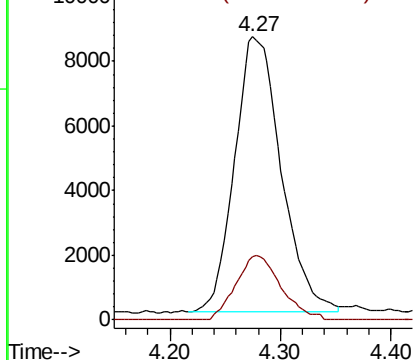


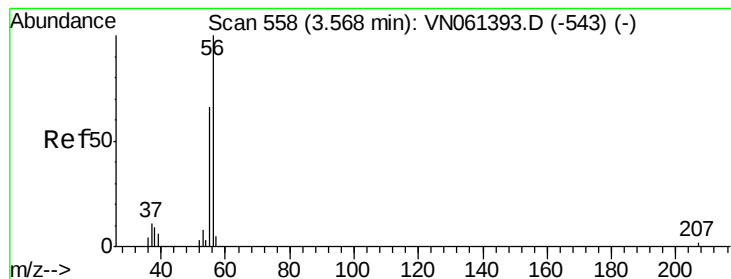
#12
Methyl Acetate
Concen: 21.296 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion: 43 Resp: 24965
Ion Ratio Lower Upper
43 100
74 23.1 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 94.422 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

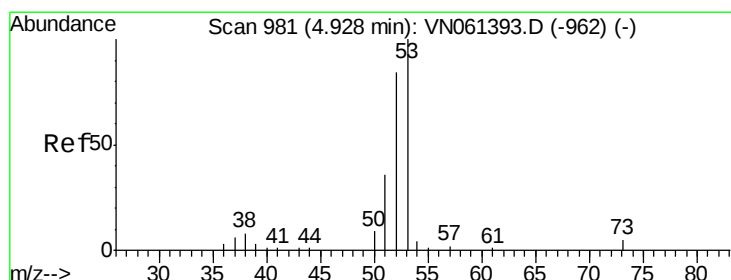
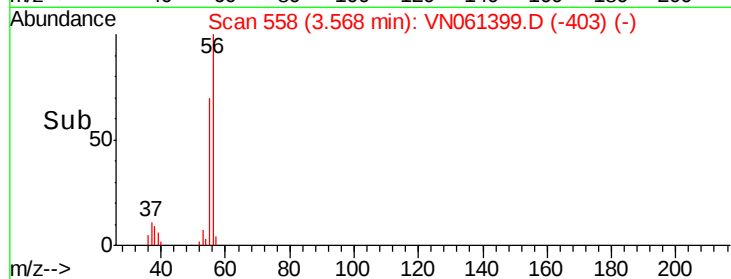
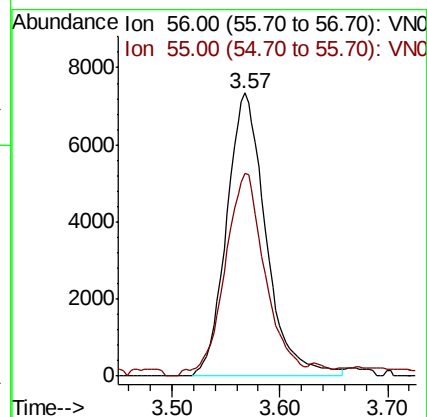
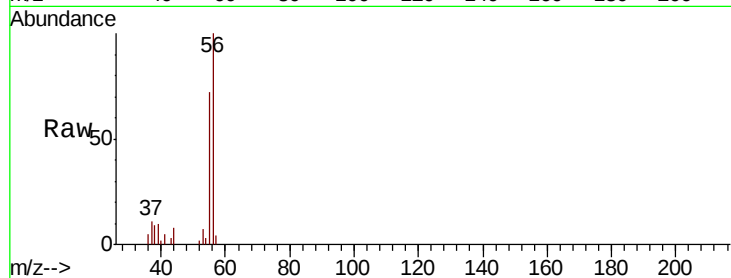
ClientSampleId :

Tot Ion: 56 Resp: 18637

Ion Ratio Lower Upper

56 100

55 70.3 55.9 83.9



#14

Acrylonitrile

Concen: 104.215 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

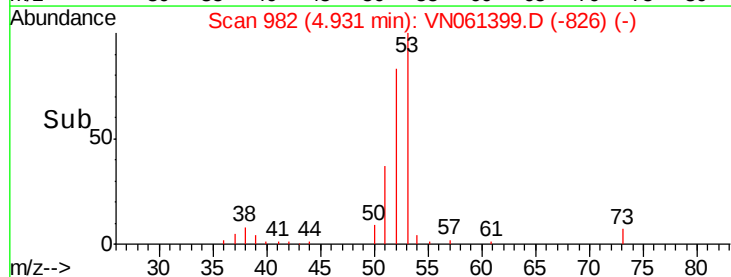
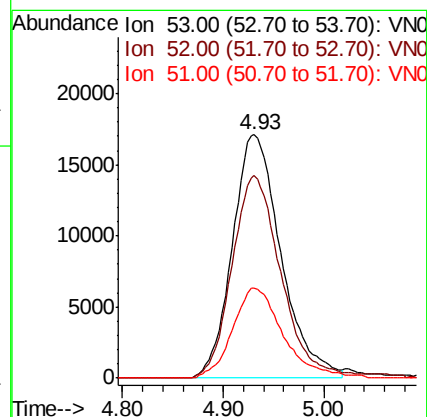
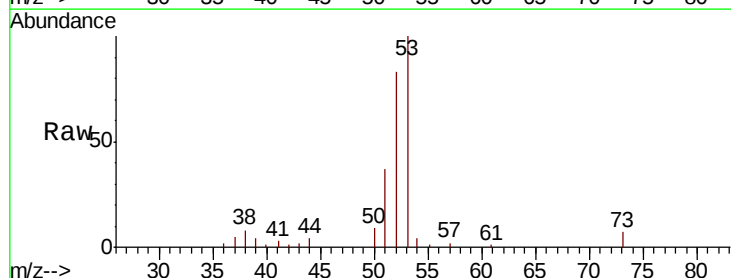
Tgt Ion: 53 Resp: 57345

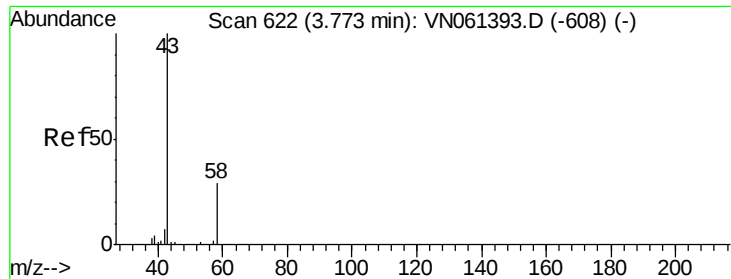
Ion Ratio Lower Upper

53 100

52 83.1 42.2 126.6

51 38.2 18.8 56.4





#15

Acetone

Concen: 113.609 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

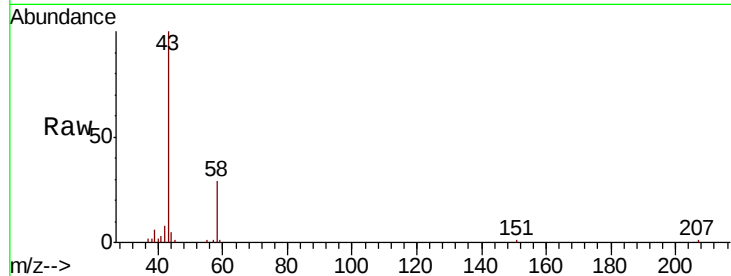
ClientSampleId :

Tot Ion: 58 Resp: 15012

Ion Ratio Lower Upper

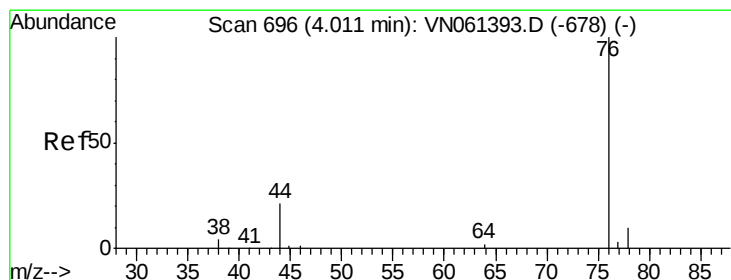
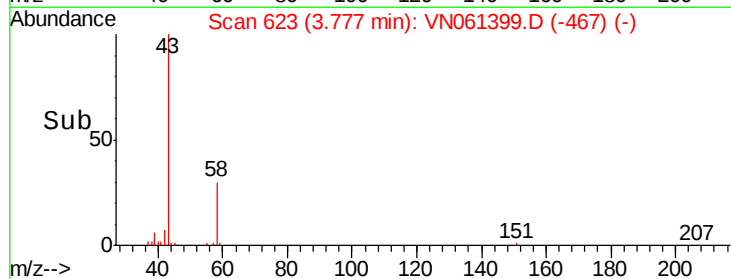
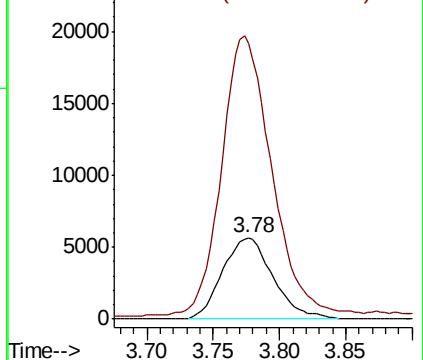
58 100

43 329.1 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN061399.D (-608) (-)

Ion 43.00 (42.70 to 43.70): VN061399.D (-608) (-)



#16

Carbon Disulfide

Concen: 22.369 ug/l

RT: 4.01 min Scan# 696

Delta R.T. -0.00 min

Lab File: VN061399.D

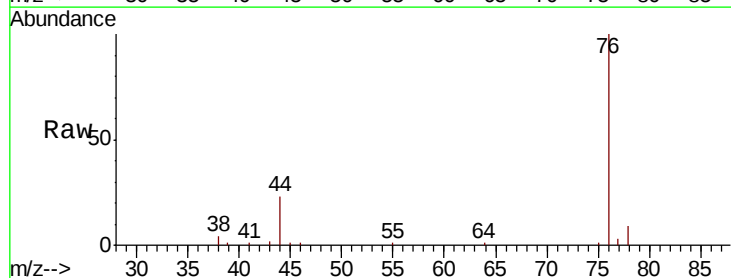
Acq: 14 May 2020 17:43

Tgt Ion: 76 Resp: 60695

Ion Ratio Lower Upper

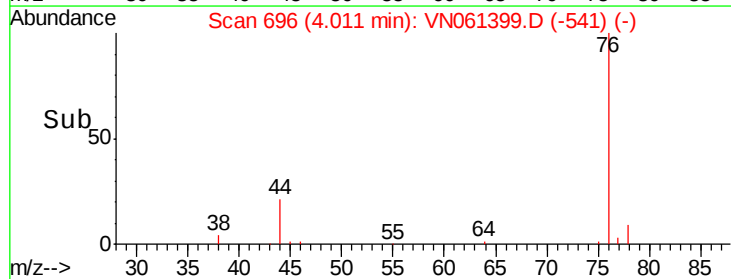
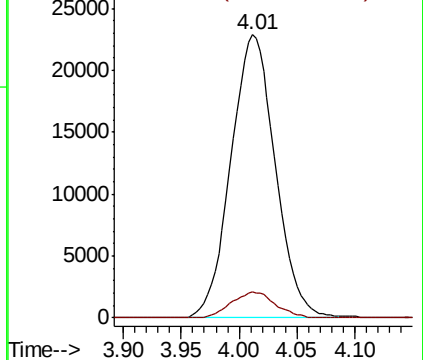
76 100

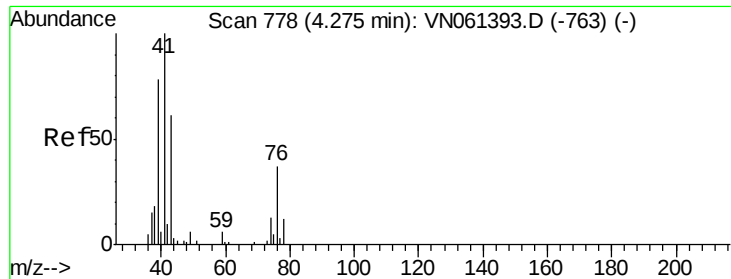
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN061399.D (-678) (-)

Ion 78.00 (77.70 to 78.70): VN061399.D (-678) (-)

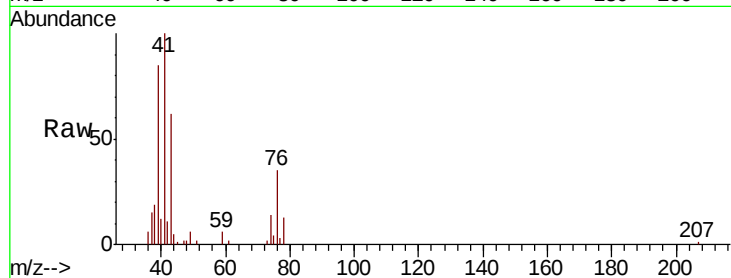




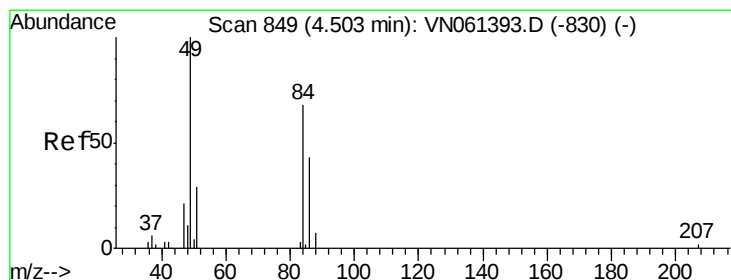
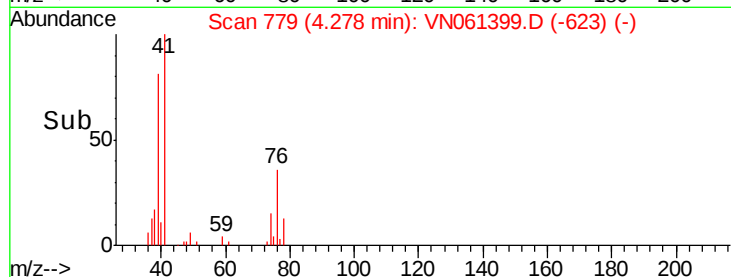
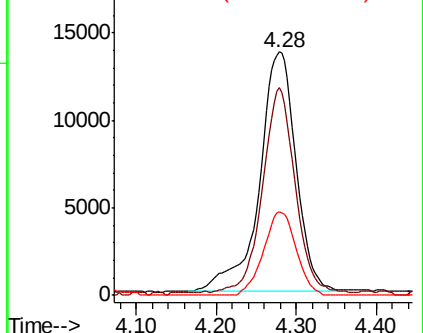
#17
Allvl chloride
Concen: 22.430 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 43579
Ion Ratio Lower Upper
41 100
39 85.2 39.6 118.8
76 35.1 17.6 52.9

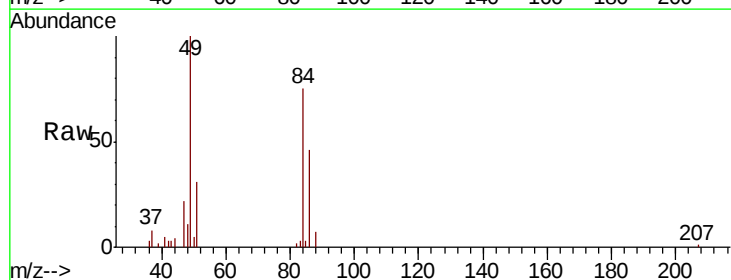


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 76.00 (75.70 to 76.70): VN0

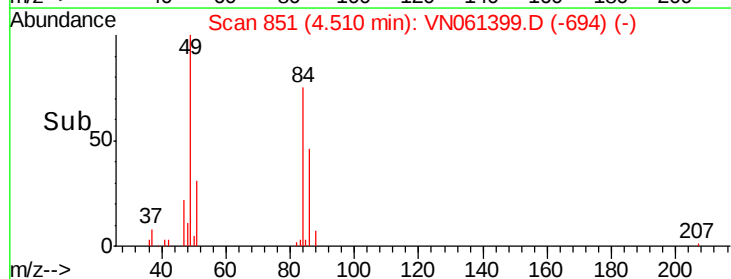
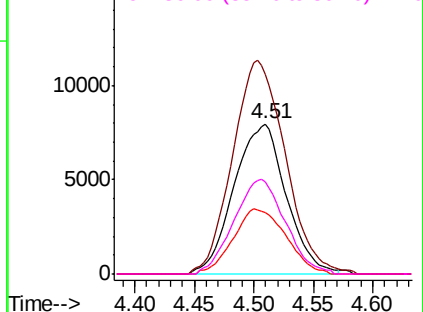


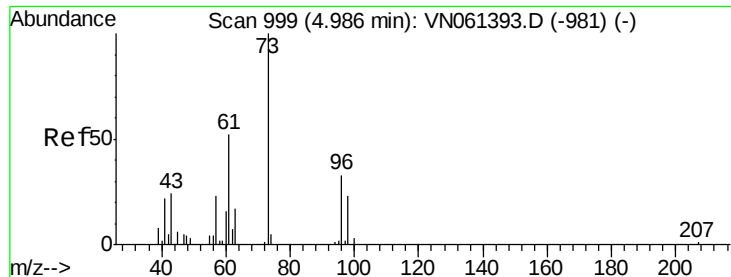
#18
Methylene Chloride
Concen: 20.760 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion: 84 Resp: 24183
Ion Ratio Lower Upper
84 100
49 132.7 106.6 160.0
51 40.5 32.4 48.6
86 61.0 50.6 76.0



Abundance Ion 84.00 (83.70 to 84.70): VN0
Ion 49.00 (48.70 to 49.70): VN0
Ion 51.00 (50.70 to 51.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

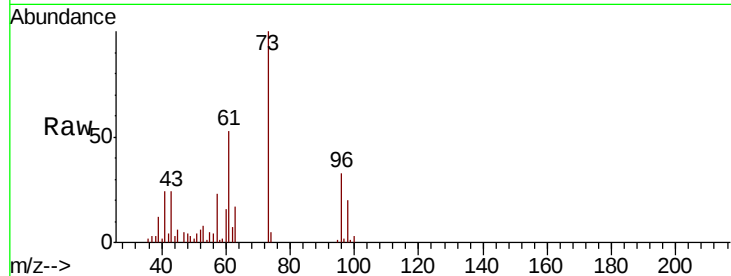




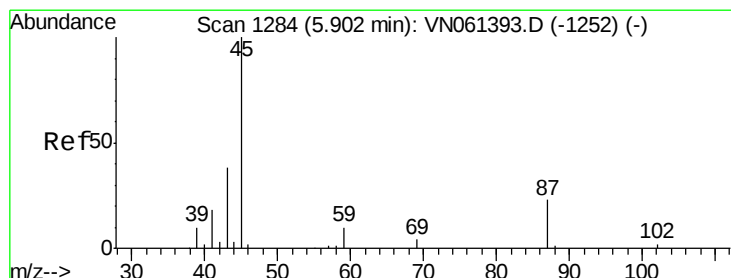
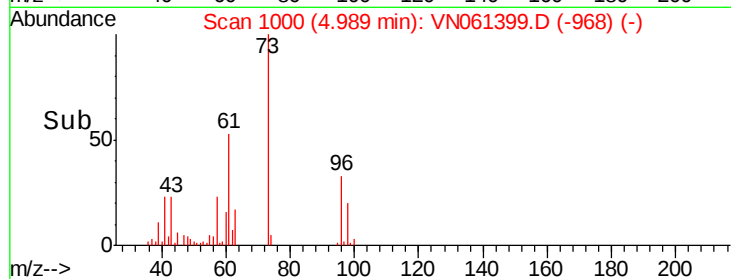
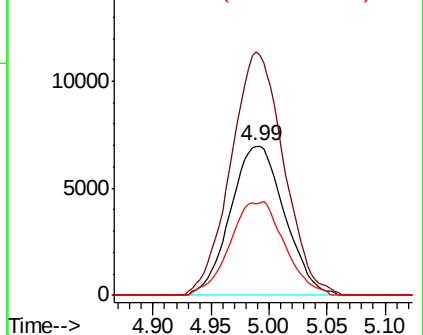
#19
trans-1,2-Dichloroethene
Concen: 19.712 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 22644
Ion Ratio Lower Upper
96 100
61 160.7 131.8 197.6
98 61.2 52.6 79.0

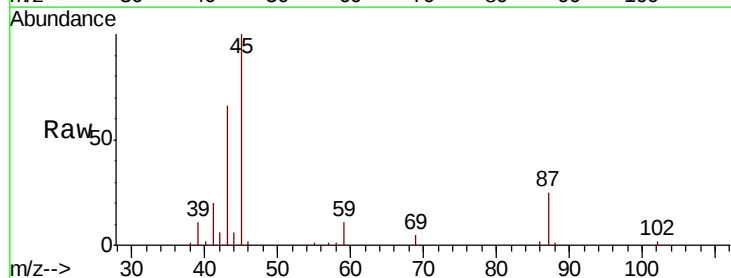


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

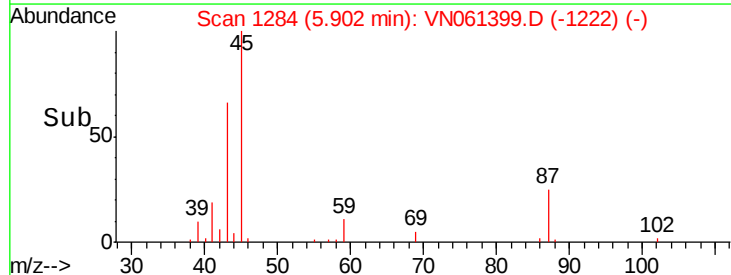
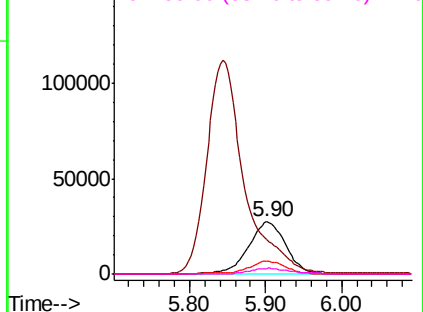


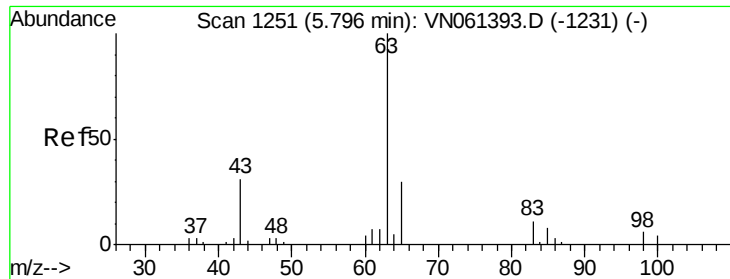
#20
Diisopropyl ether
Concen: 20.589 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion: 45 Resp: 93122
Ion Ratio Lower Upper
45 100
43 63.7 54.7 82.1
87 25.0 21.5 32.3
59 10.9 8.7 13.1



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

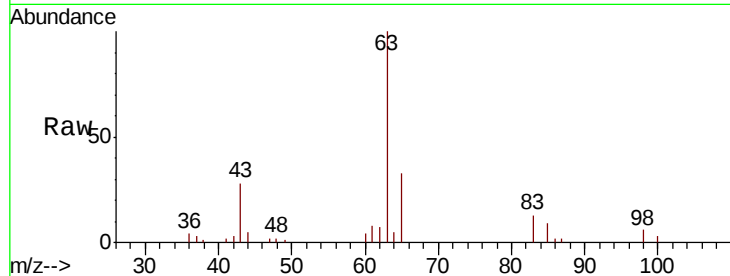




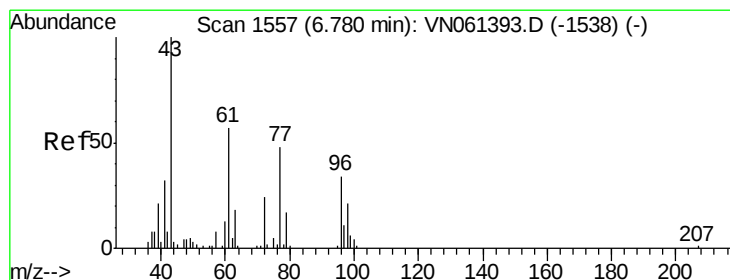
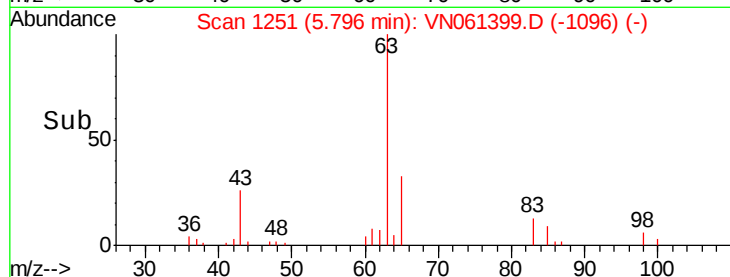
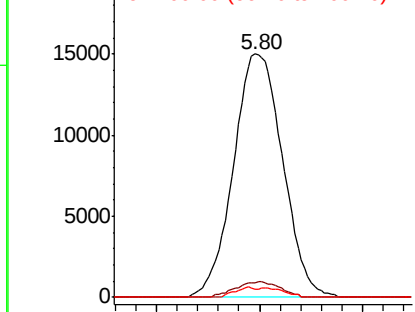
#21
 1,1-Dichloroethane
 Concen: 21.076 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.1	2.9	8.6
100	3.4	1.8	5.5

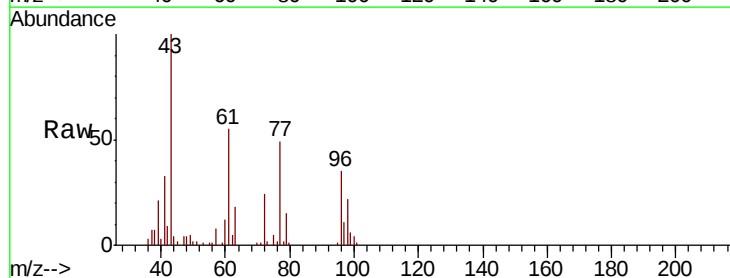


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

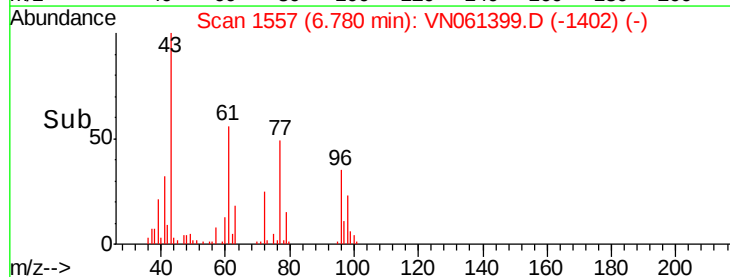
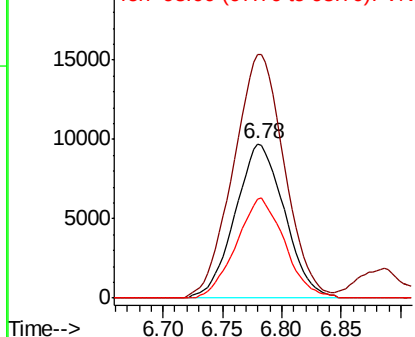


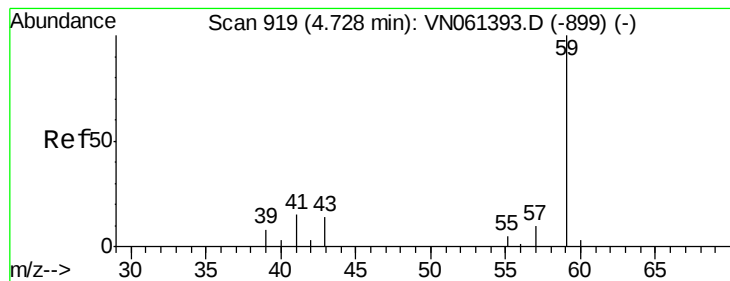
#22
 cis-1,2-Dichloroethene
 Concen: 20.695 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.3	127.2	190.8
98	63.6	50.5	75.7



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



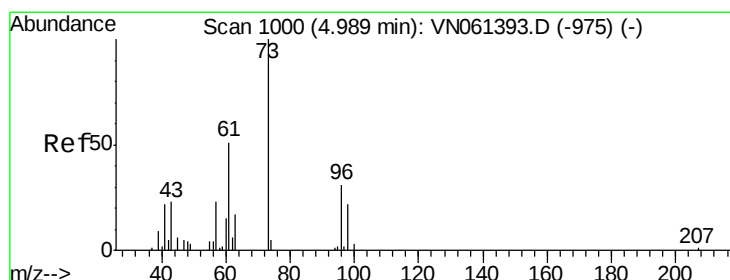
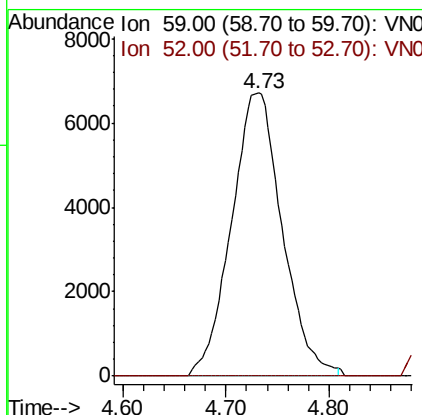
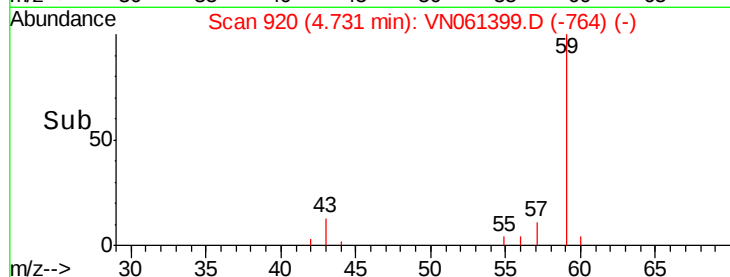
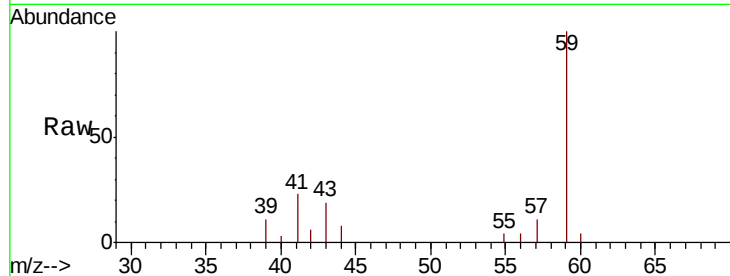


#23

tert-Butyl Alcohol
 Concen: 130.676 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :

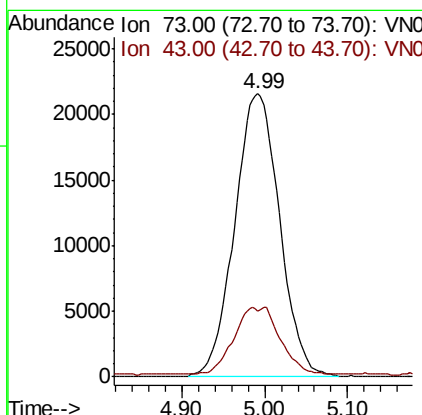
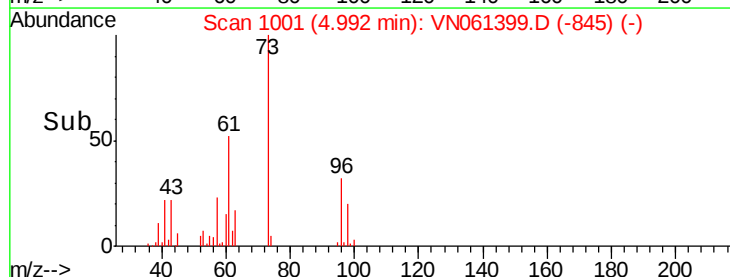
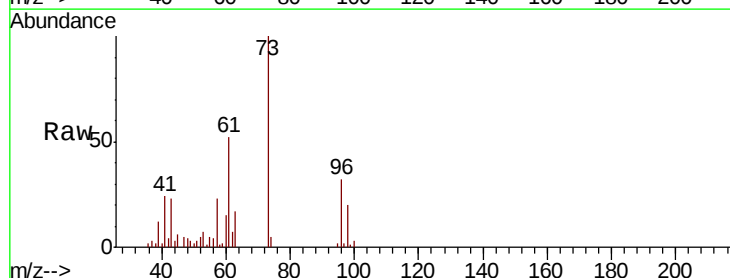
Tot Ion: 59 Resp: 23049
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

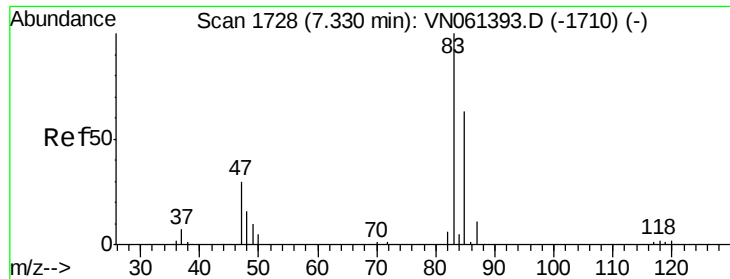


#24

Methyl tert-Butyl Ether
 Concen: 20.735 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion: 73 Resp: 81226
 Ion Ratio Lower Upper
 73 100
 43 12.8 17.9 26.9#





#25

Chloroform

Concen: 20.674 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

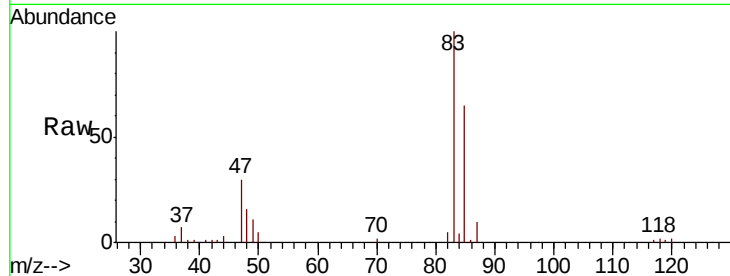
ClientSampleId :

Tot Ion: 83 Resp: 47329

Ion Ratio Lower Upper

83 100

85 65.2 53.8 80.8



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

7.33

20000

15000

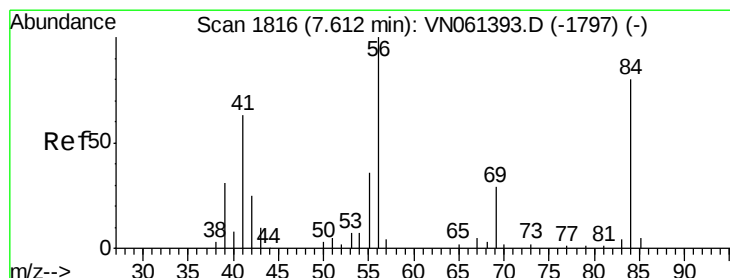
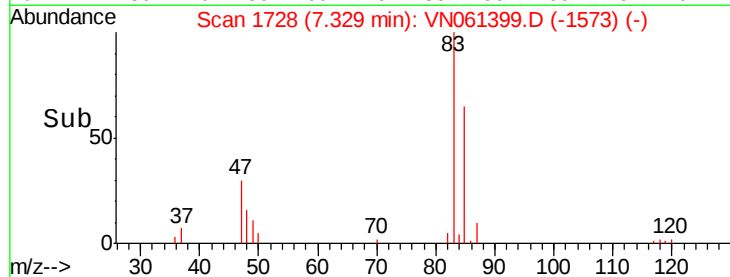
10000

5000

0

7.25 7.30 7.35 7.40

Time-->



#26

Cyclohexane

Concen: 20.687 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

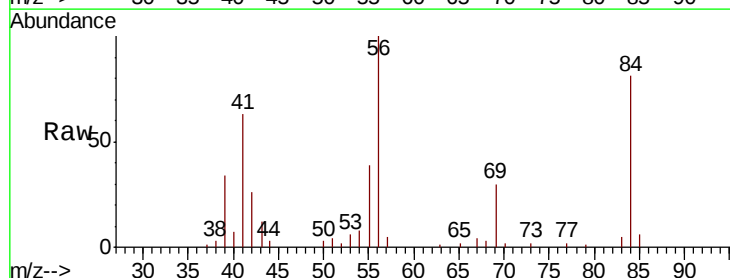
Tgt Ion: 56 Resp: 46652

Ion Ratio Lower Upper

56 100

89 0.0 6.2 9.2#

84 81.0 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

30000

25000

20000

15000

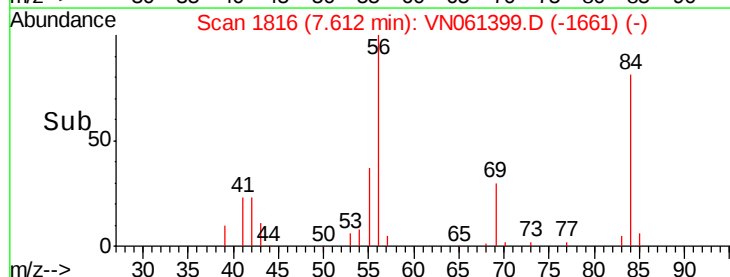
10000

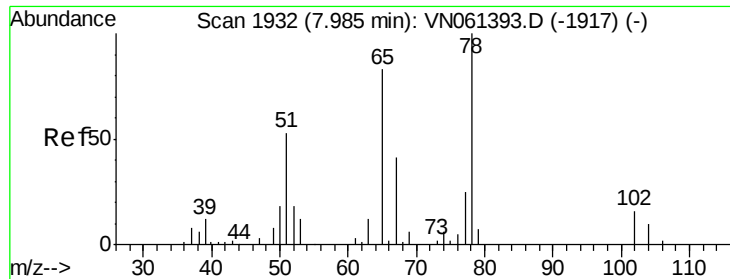
5000

0

7.50 7.55 7.60 7.65 7.70

Time-->

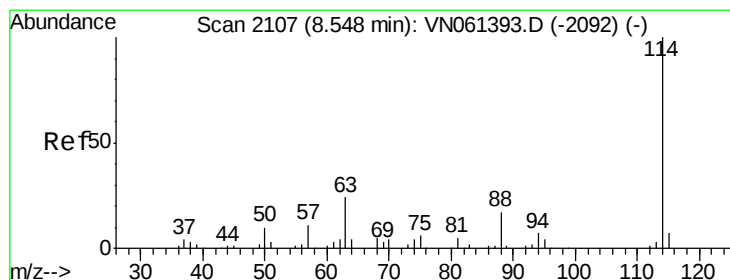
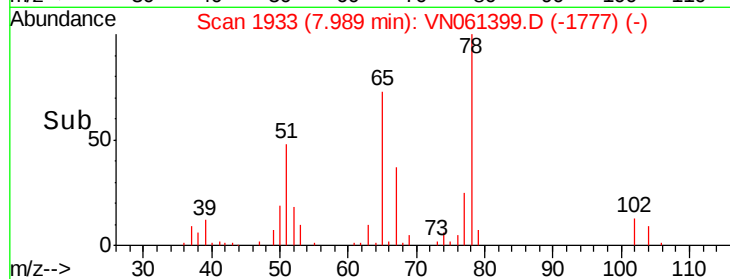
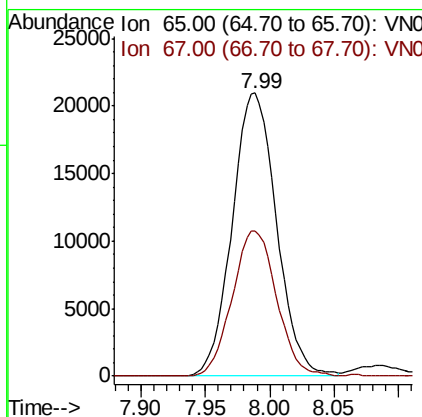
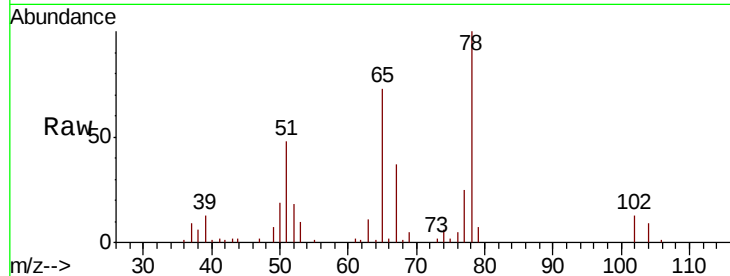




#27
 1,2-Dichloroethane-d4
 Concen: 31.145 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

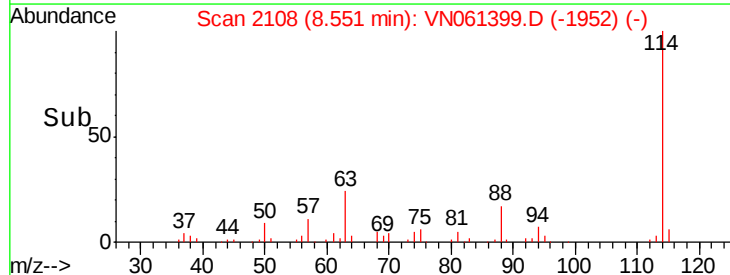
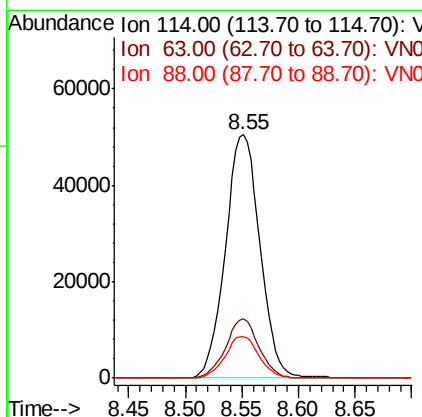
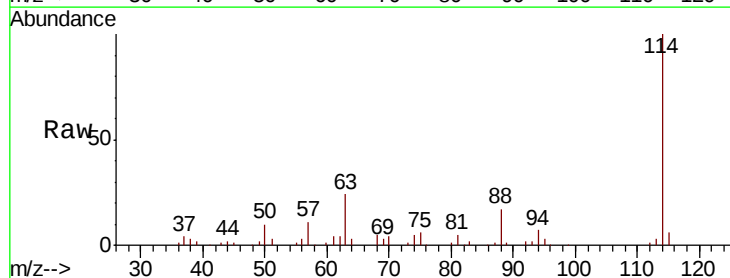
Instrument :
 MSVOA_N
 ClientSampled :

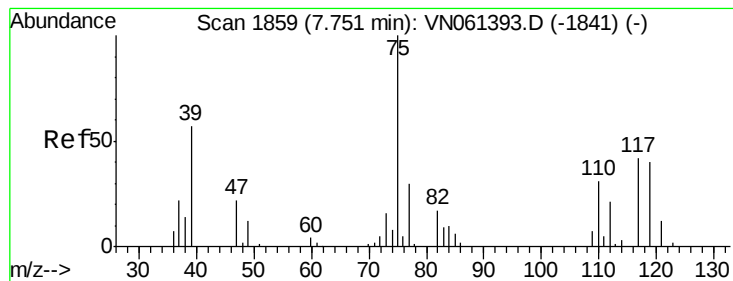
Tot Ion: 65 Resp: 50120
 Ion Ratio Lower Upper
 65 100
 67 51.3 41.5 62.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion: 114 Resp: 107355
 Ion Ratio Lower Upper
 114 100
 63 23.2 18.1 27.1
 88 16.8 13.0 19.4





#29

1,1-Dichloropropene

Concen: 20.278 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampled :

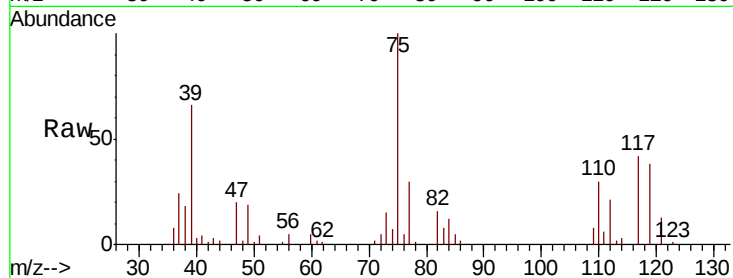
Tot Ion: 75 Resp: 38202

Ion Ratio Lower Upper

75 100

110 30.6 0.0 64.6

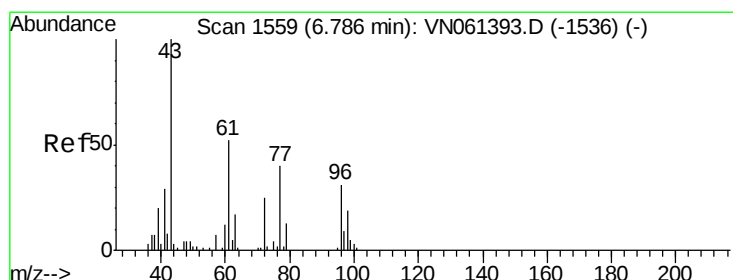
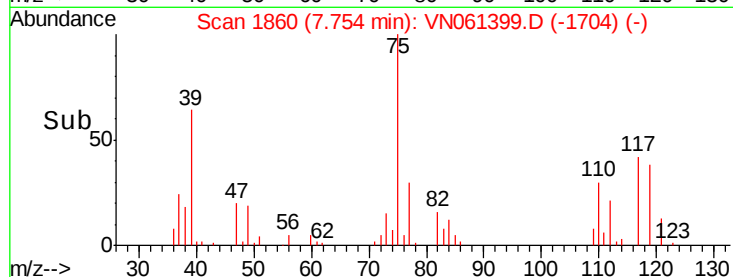
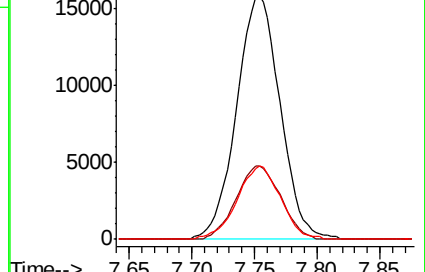
77 30.0 0.0 60.8



Abundance Ion 75.00 (74.70 to 75.70): VN061399.D (-1841) (-)

Ion 110.00 (109.70 to 110.70): VN061399.D (-1841) (-)

Ion 77.00 (76.70 to 77.70): VN061399.D (-1841) (-)



#30

2-Butanone

Concen: 107.198 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

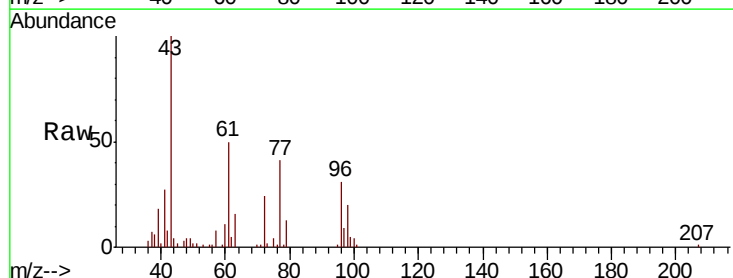
Tgt Ion: 43 Resp: 85427

Ion Ratio Lower Upper

43 100

57 8.4 6.5 9.7

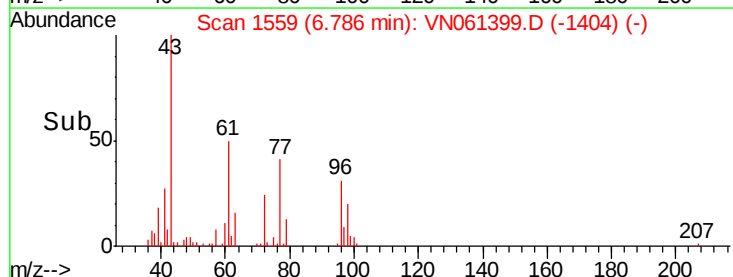
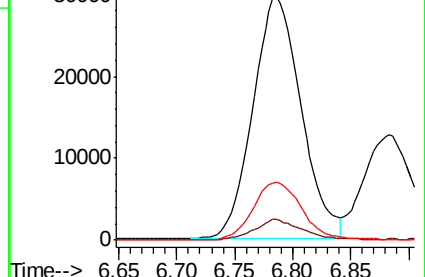
72 24.2 20.1 30.1

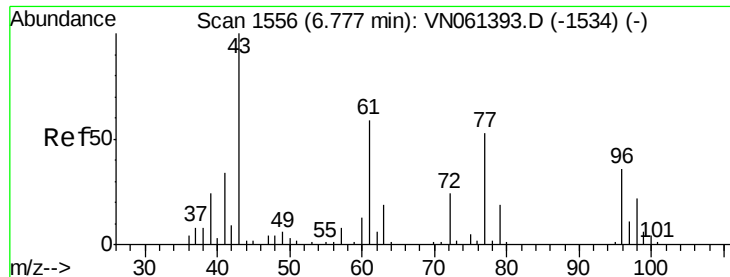


Abundance Ion 43.00 (42.70 to 43.70): VN061399.D (-1536) (-)

Ion 57.00 (56.70 to 57.70): VN061399.D (-1536) (-)

Ion 72.00 (71.70 to 72.70): VN061399.D (-1536) (-)





#31

2,2-Dichloropropane

Concen: 20.424 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

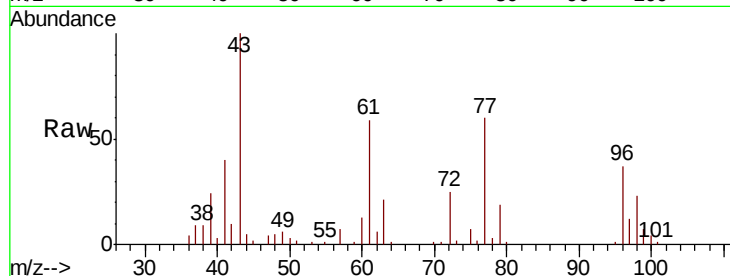
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 77 Resp: 44952

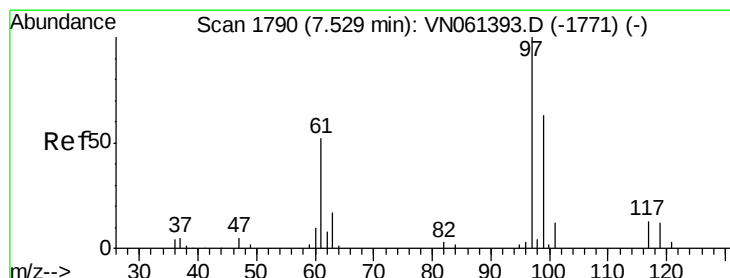
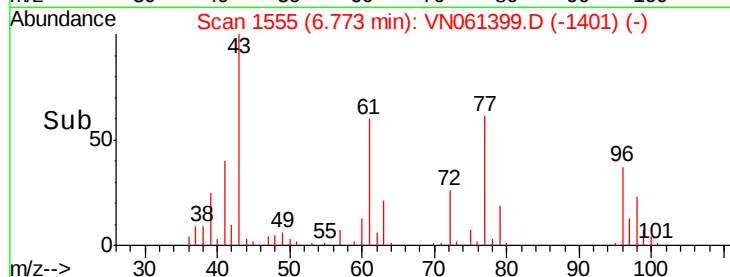
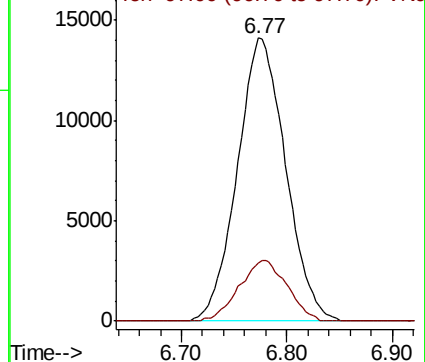
Ion Ratio Lower Upper

77 100

97 21.1 17.9 26.9



Abundance Ion 77.00 (76.70 to 77.70): VN0
Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.862 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

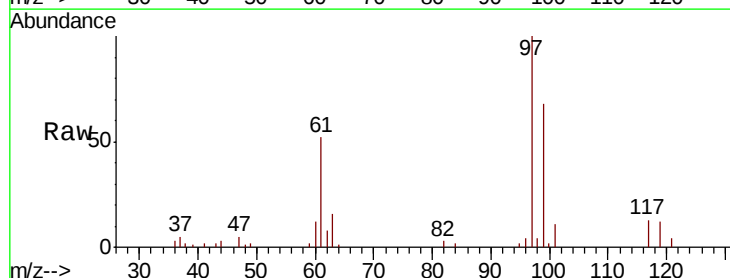
Tgt Ion: 97 Resp: 41865

Ion Ratio Lower Upper

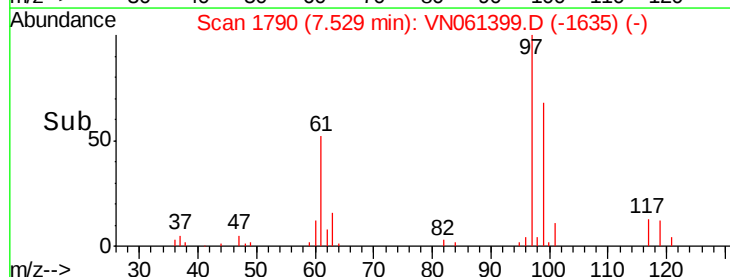
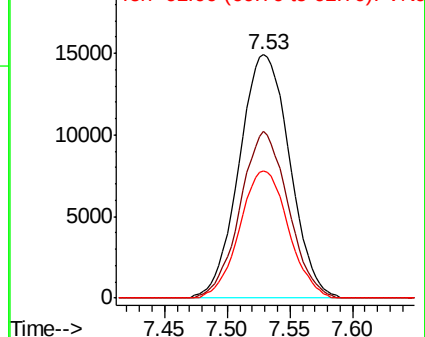
97 100

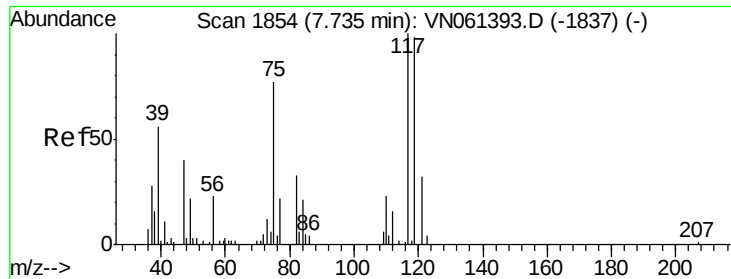
99 65.2 51.3 76.9

61 50.3 38.4 57.6



Abundance Ion 97.00 (96.70 to 97.70): VN0
Ion 99.00 (98.70 to 99.70): VN0
Ion 61.00 (60.70 to 61.70): VN0

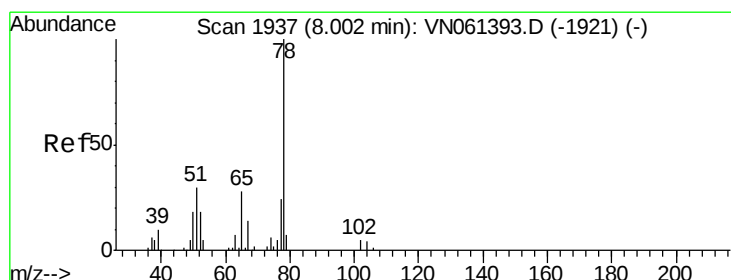
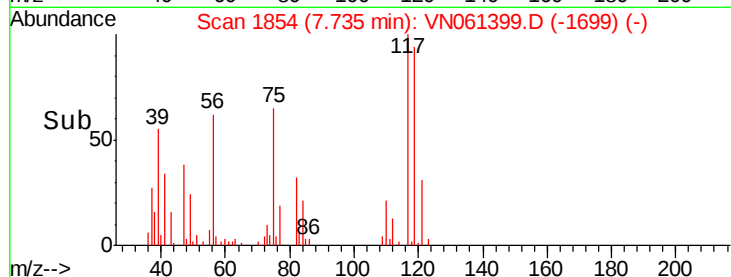
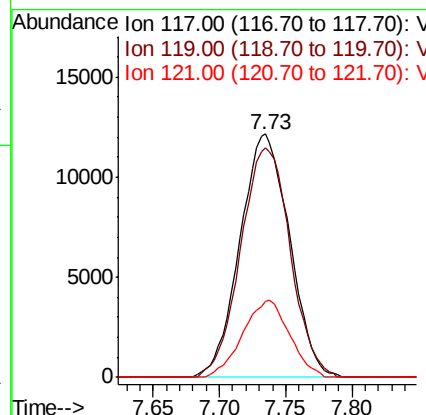
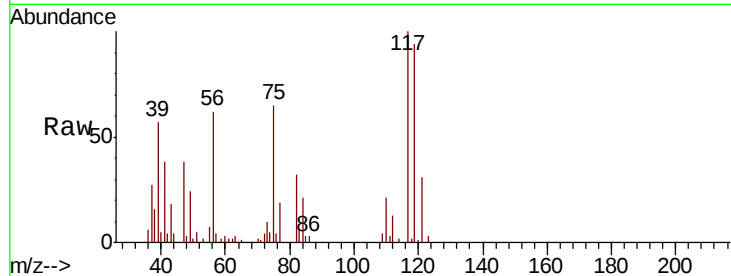




#33
Carbon Tetrachloride
Concen: 19.584 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

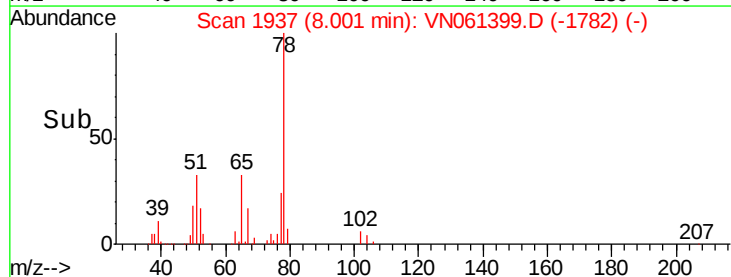
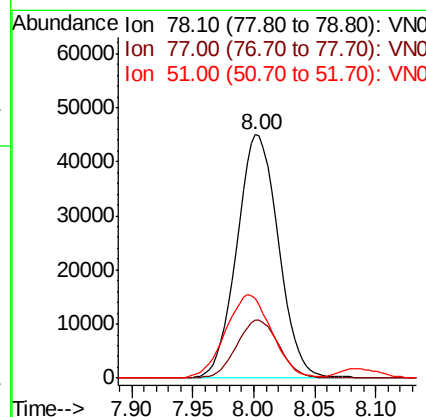
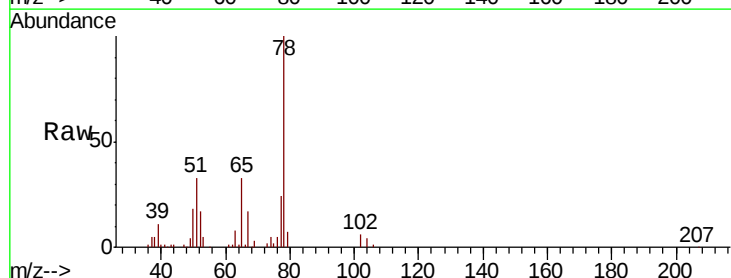
Instrument :
MSVOA_N
ClientSampleId :

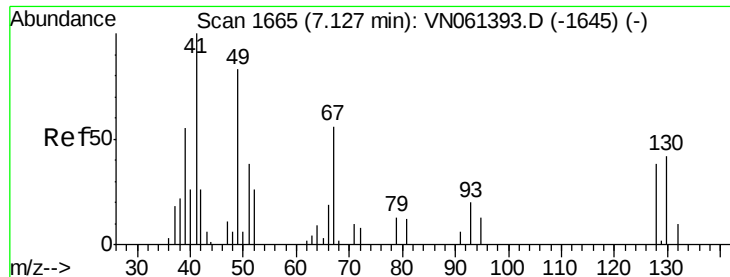
Tot Ion:117 Resp: 31686
Ion Ratio Lower Upper
117 100
119 94.0 76.9 115.3
121 30.9 23.8 35.8



#34
Benzene
Concen: 19.963 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion: 78 Resp: 106396
Ion Ratio Lower Upper
78 100
77 23.9 19.2 28.8
51 31.6 22.1 33.1

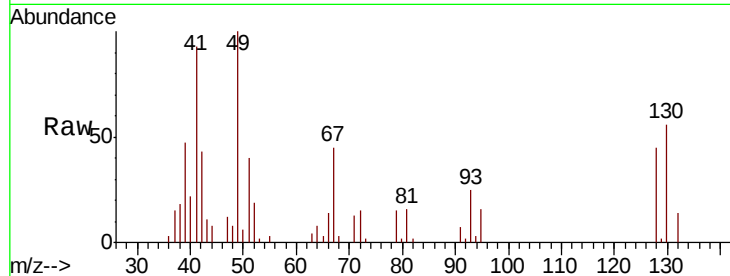




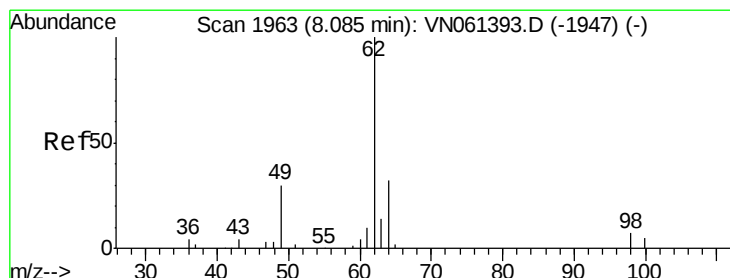
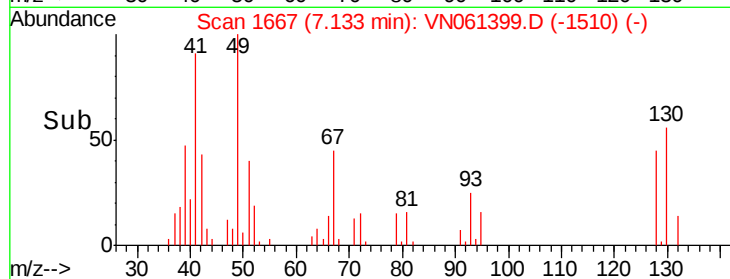
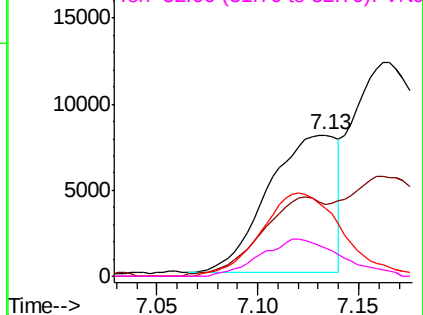
#35
Methacrylonitrile
Concen: 23.669 ug/l
RT: 7.13 min Scan# 1667
Delta R.T. 0.01 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 18919
Ion Ratio Lower Upper
41 100
39 50.4 25.8 77.4
67 50.1 23.0 69.0
52 21.0 10.1 30.1

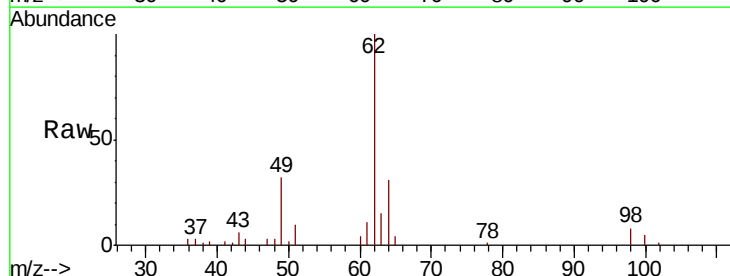


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

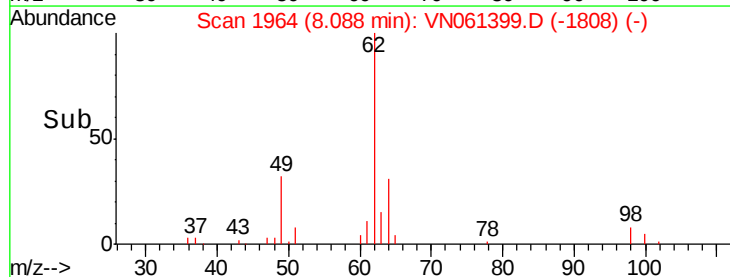
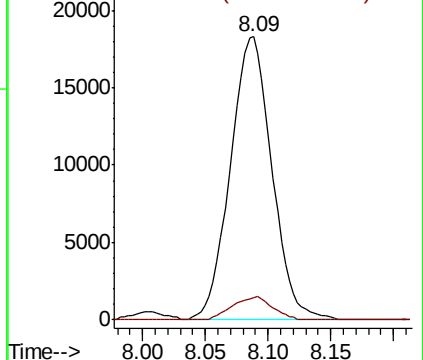


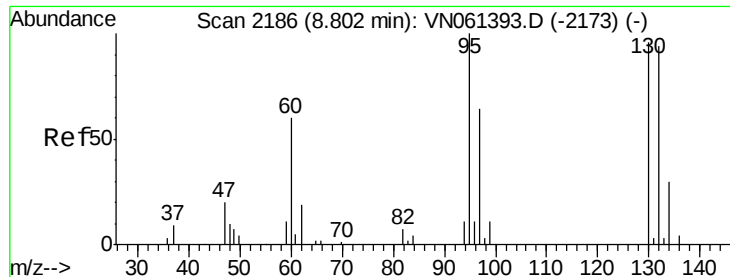
#36
1,2-Dichloroethane
Concen: 20.562 ug/l
RT: 8.09 min Scan# 1964
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion: 62 Resp: 42067
Ion Ratio Lower Upper
62 100
98 7.9 6.4 9.6



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 20.180 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

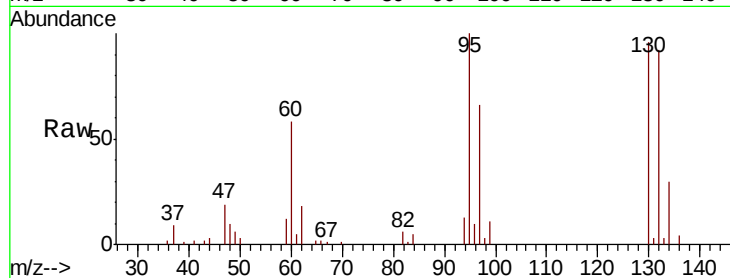
ClientSampleId :

Tot Ion:130 Resp: 26482

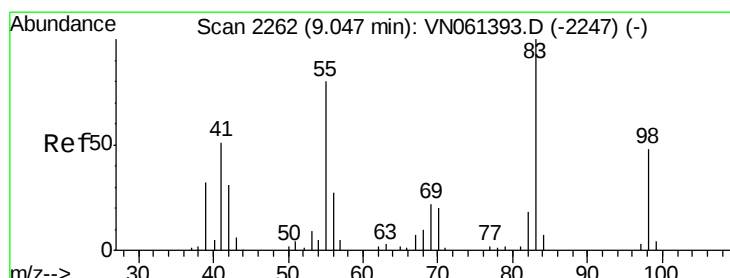
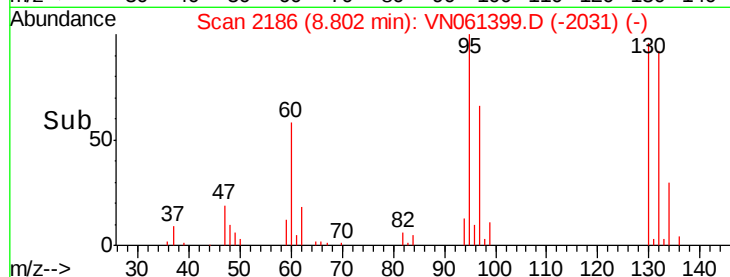
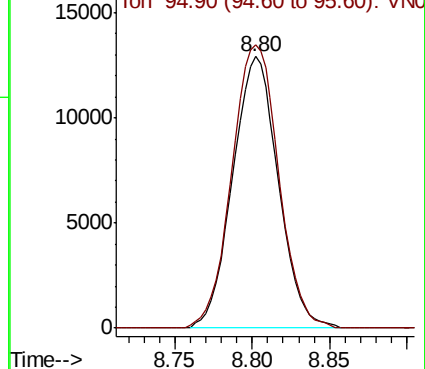
Ion Ratio Lower Upper

130 100

95 104.3 83.2 124.8



Abundance Ion 129.90 (129.60 to 130.60): VN061399.D (-2173) (-)



#38

Methylcyclohexane

Concen: 19.980 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

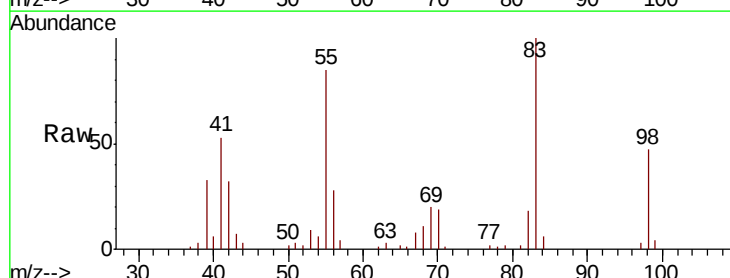
Tgt Ion: 83 Resp: 45184

Ion Ratio Lower Upper

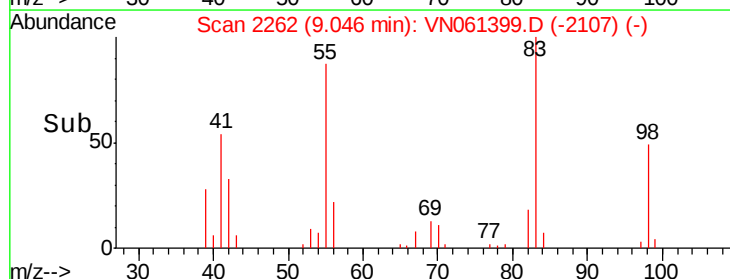
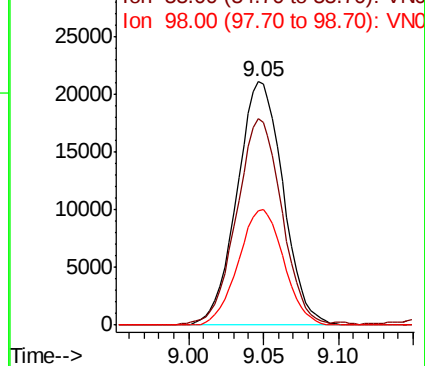
83 100

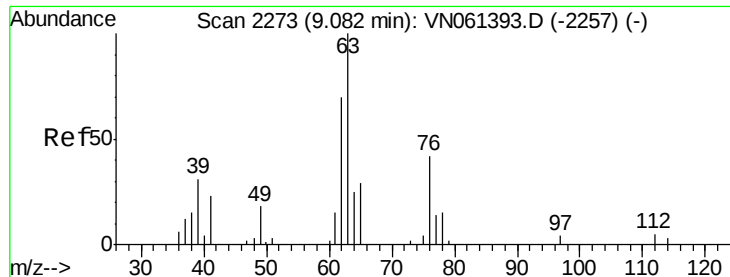
55 83.5 40.4 121.1

98 46.8 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN061399.D (-2247) (-)





#39

1,2-Dichloropropane

Concen: 20.664 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

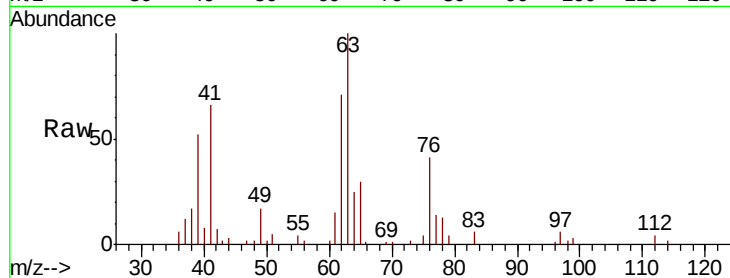
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 30277

Ion Ratio Lower Upper

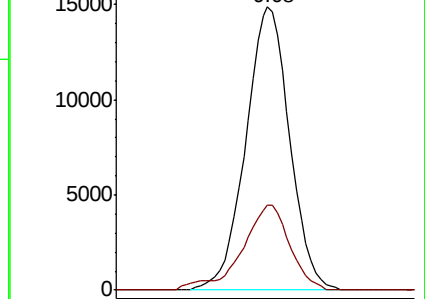
63 100

65 30.1 23.8 35.6

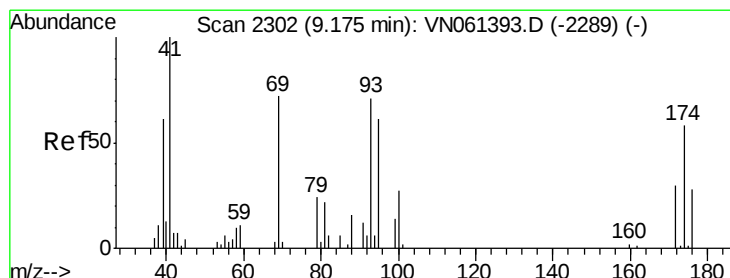
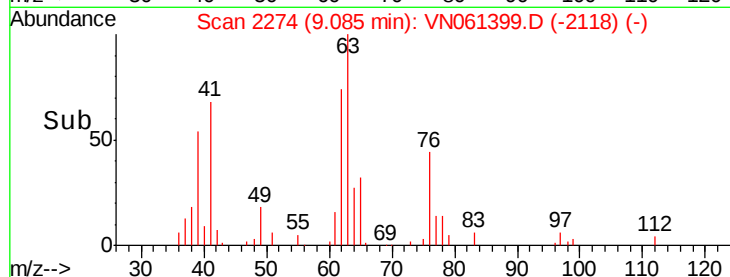


Abundance Ion 63.00 (62.70 to 63.70): VN061399.D (-2257) (-)

Ion 65.00 (64.70 to 65.70): VN061399.D (-2257) (-)



Time-->



#40

Dibromomethane

Concen: 20.336 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

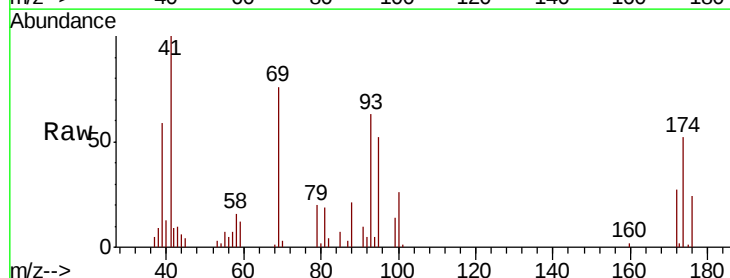
Tgt Ion: 93 Resp: 18404

Ion Ratio Lower Upper

93 100

95 81.8 0.0 167.6

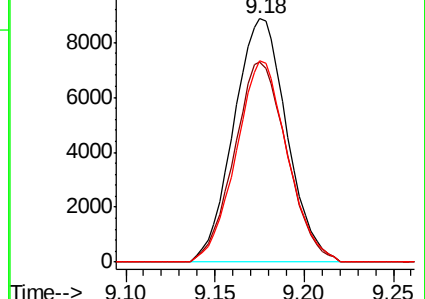
174 80.0 0.0 187.2



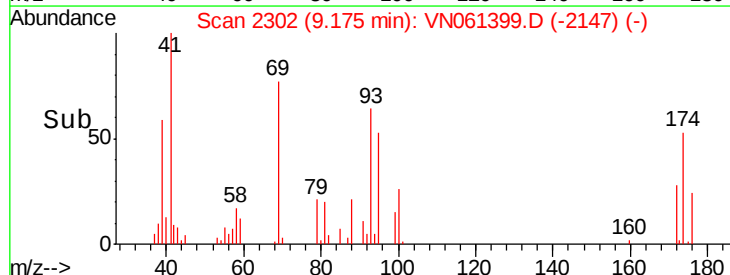
Abundance Ion 93.00 (92.70 to 93.70): VN061399.D (-2289) (-)

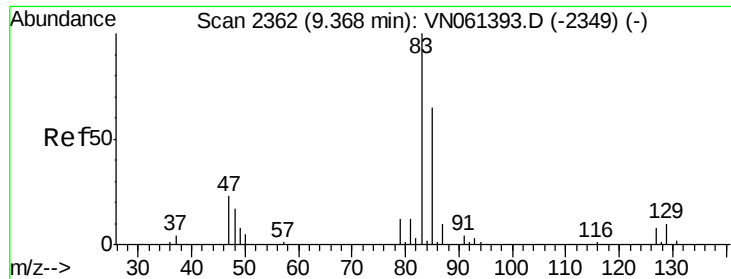
Ion 95.00 (94.70 to 95.70): VN061399.D (-2289) (-)

Ion 174.00 (173.70 to 174.70): VN061399.D (-2289) (-)



Time-->

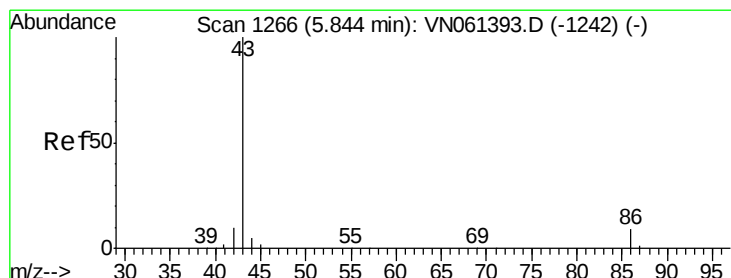
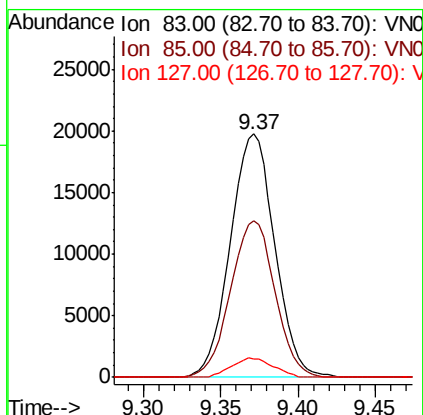
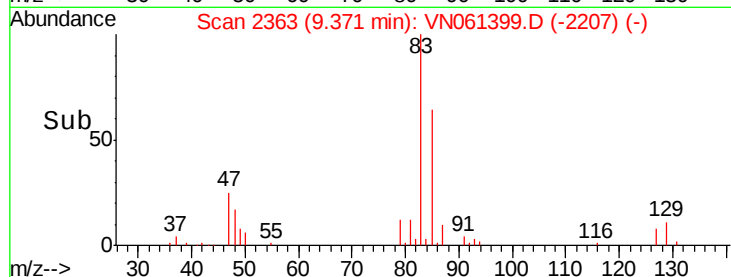
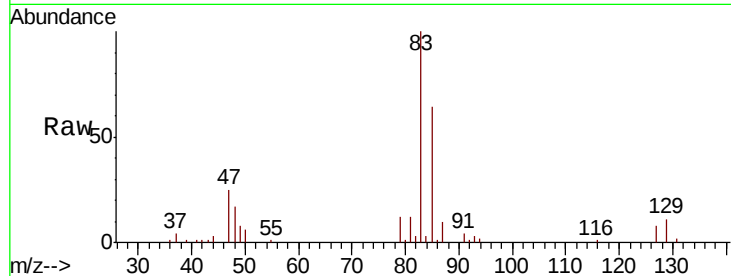




#41
Bromodichloromethane
Concen: 20.061 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

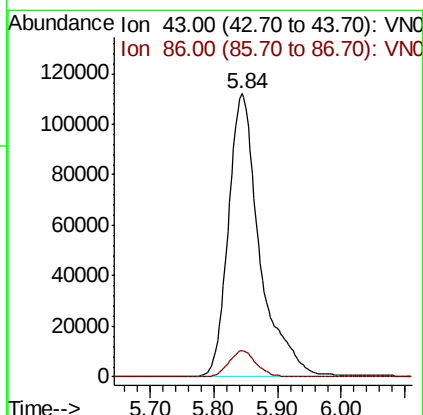
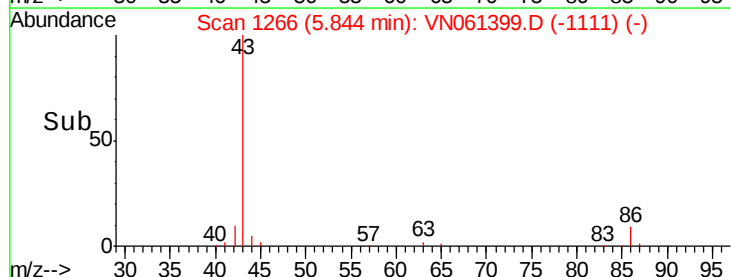
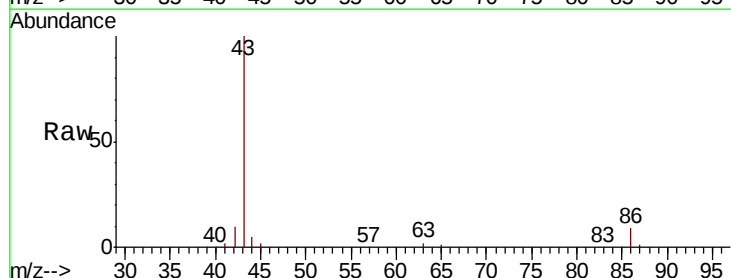
Instrument :
MSVOA_N
ClientSampleId :

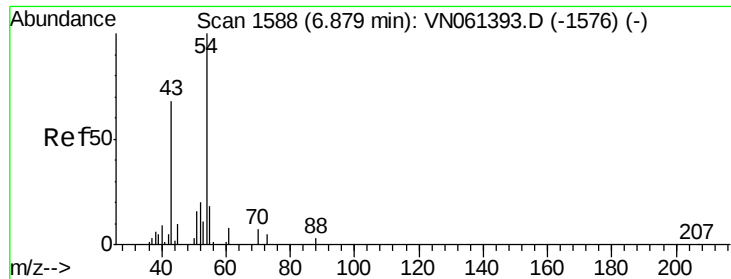
Tot Ion: 83 Resp: 39386
Ion Ratio Lower Upper
83 100
85 64.4 51.0 76.4
127 7.7 6.6 9.8



#42
Vinyl Acetate
Concen: 101.275 ug/l
RT: 5.84 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion: 43 Resp: 383266
Ion Ratio Lower Upper
43 100
86 8.2 6.5 9.7





#43

Ethyl Acetate

Concen: 21.228 ug/l

RT: 6.88 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

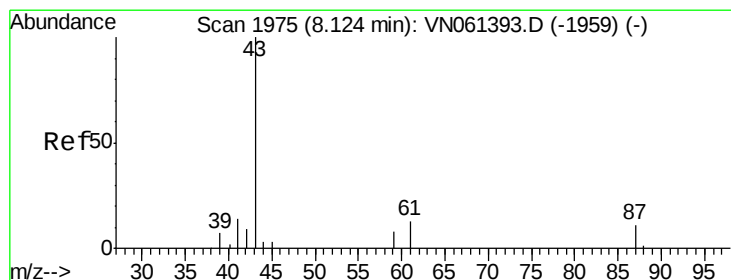
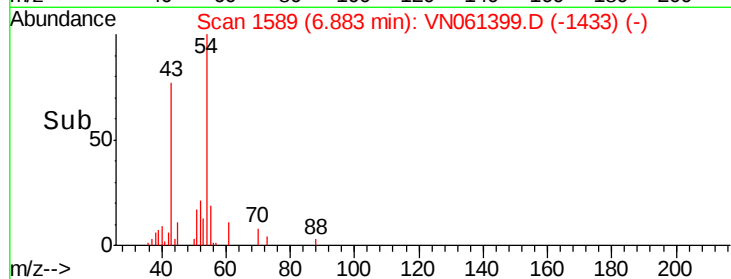
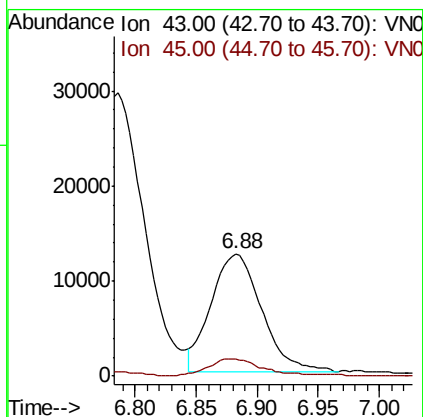
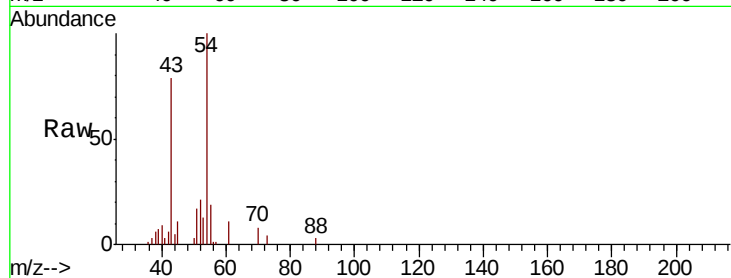
ClientSampleId :

Tot Ion: 43 Resp: 36134

Ion Ratio Lower Upper

43 100

45 14.8 9.7 14.5#



#44

Isopropyl Acetate

Concen: 20.616 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061399.D

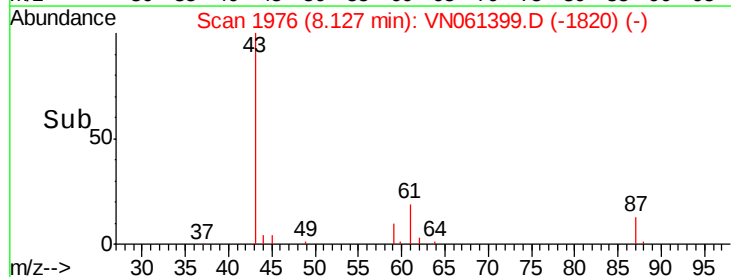
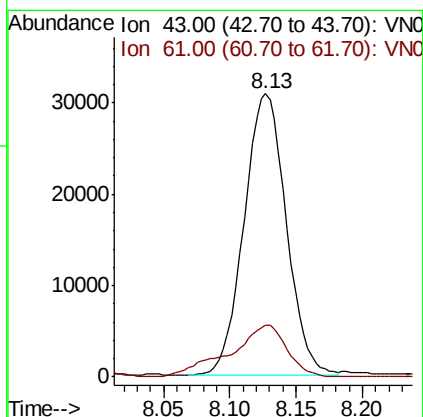
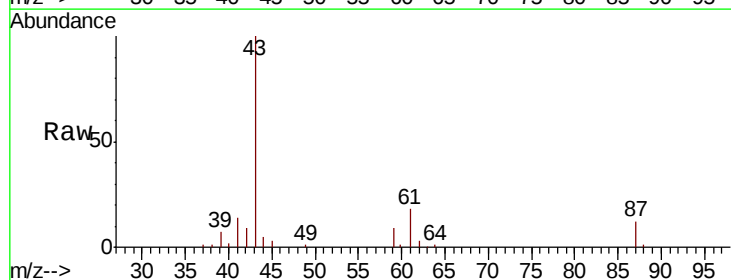
Acq: 14 May 2020 17:43

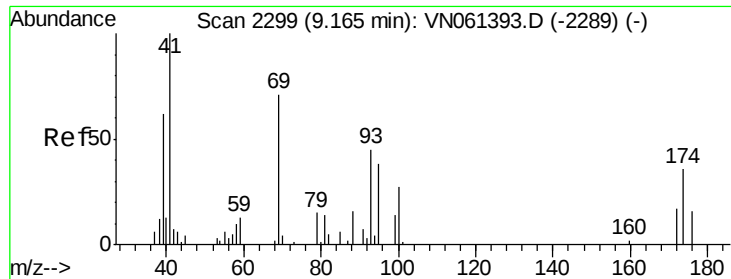
Tgt Ion: 43 Resp: 68134

Ion Ratio Lower Upper

43 100

61 24.8 19.9 29.9

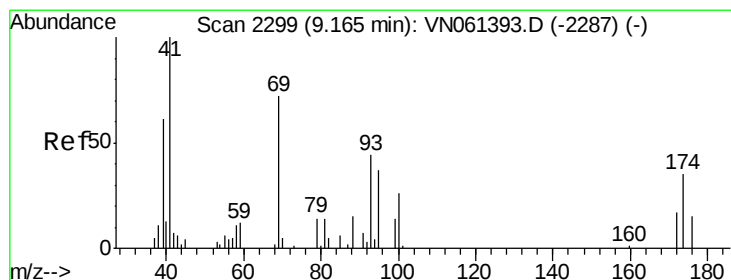
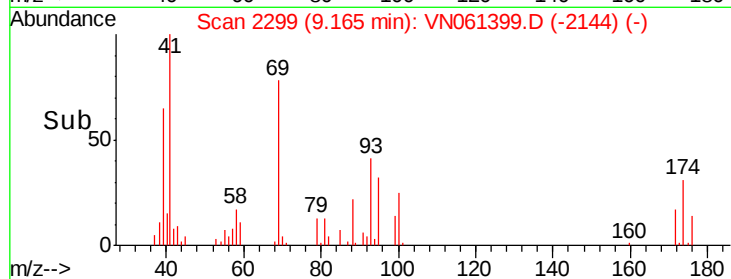
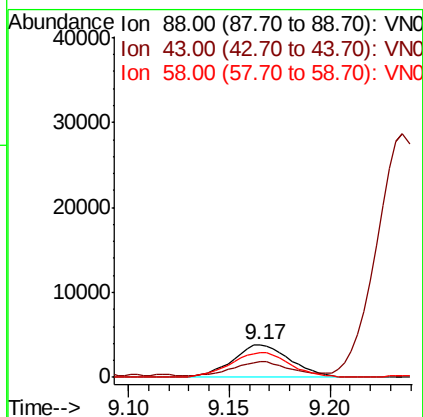
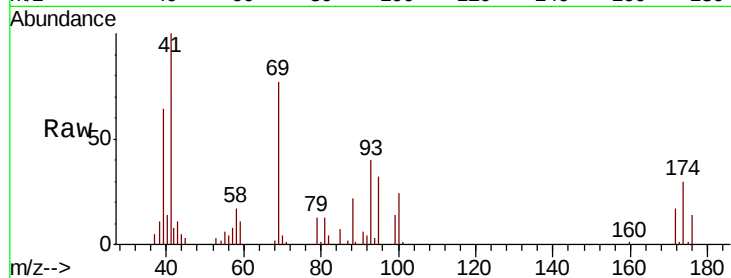




#45
1,4-Dioxane
Concen: 582.635 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

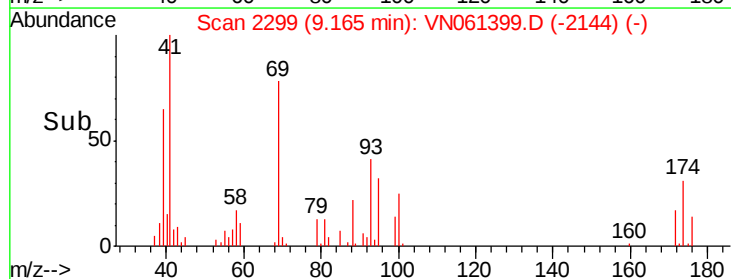
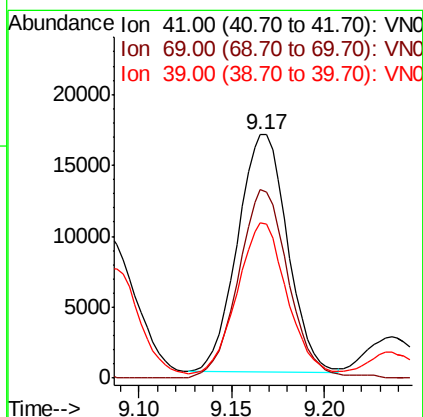
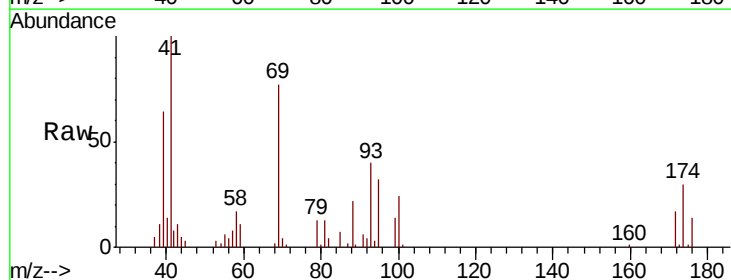
Instrument :
MSVOA_N
ClientSampleId :

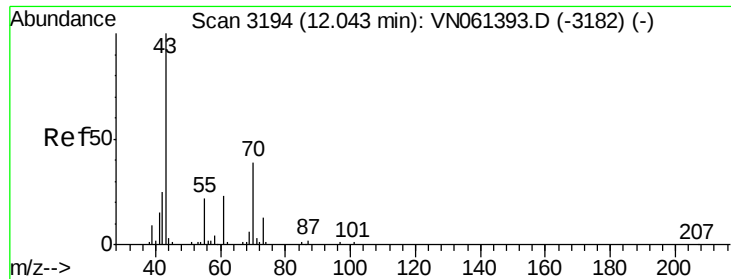
Tot Ion: 88 Resp: 7599
Ion Ratio Lower Upper
88 100
43 38.4 29.8 44.8
58 77.7 58.2 87.4



#46
Methyl methacrylate
Concen: 20.109 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion: 41 Resp: 31253
Ion Ratio Lower Upper
41 100
69 79.7 40.2 120.5
39 63.8 29.9 89.8

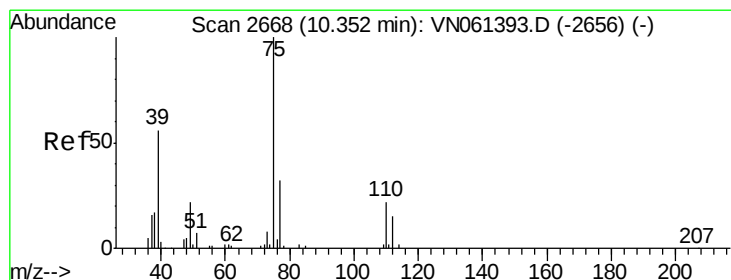
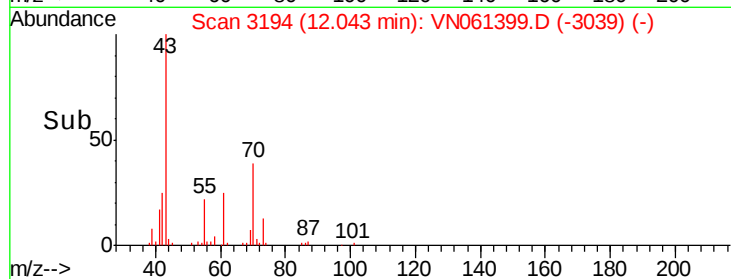
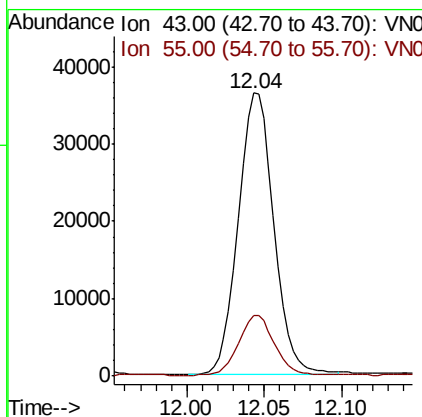
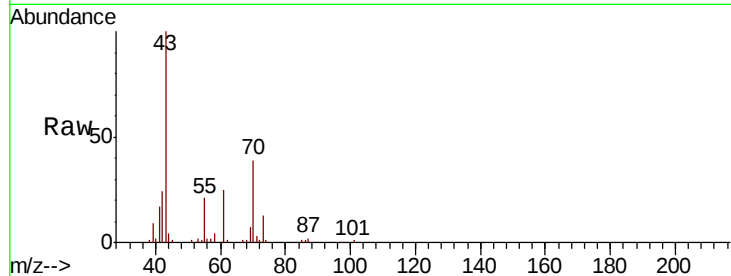




#47
n-amvl Acetate
Concen: 19.634 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

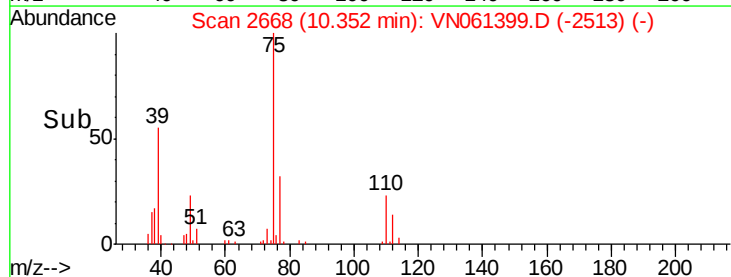
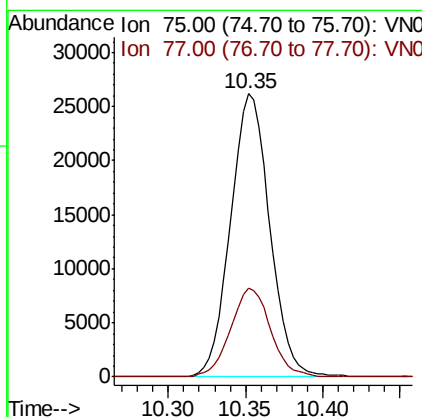
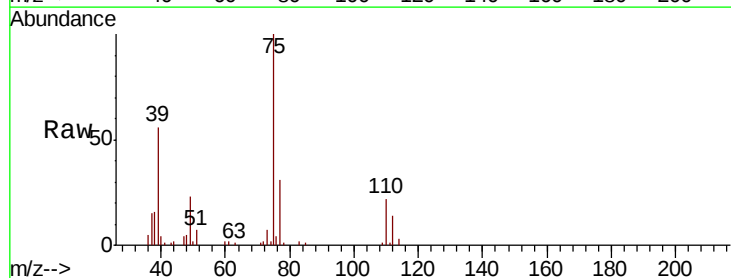
Instrument :
MSVOA_N
ClientSampled :

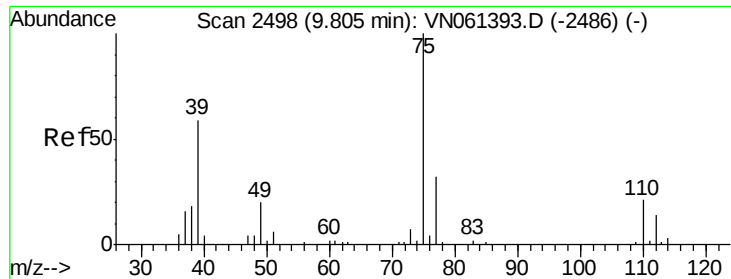
Tot Ion: 43 Resp: 57878
Ion Ratio Lower Upper
43 100
55 22.5 19.6 29.4



#48
t-1,3-Dichloropropene
Concen: 19.875 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion: 75 Resp: 46048
Ion Ratio Lower Upper
75 100
77 31.2 27.0 40.4



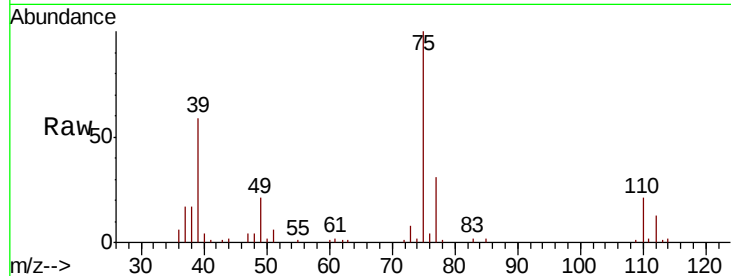


#49

cis-1,3-Dichloropropene
 Concen: 19.994 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	26.1	39.1
39	58.7	43.1	64.7

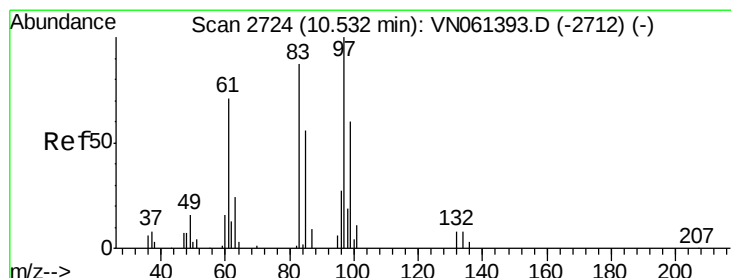
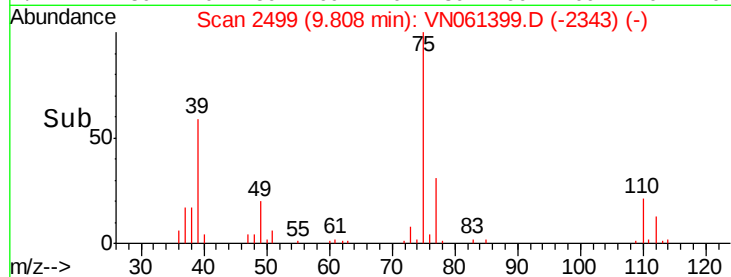
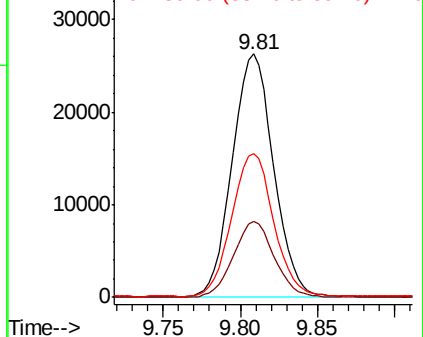


Abundance

Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

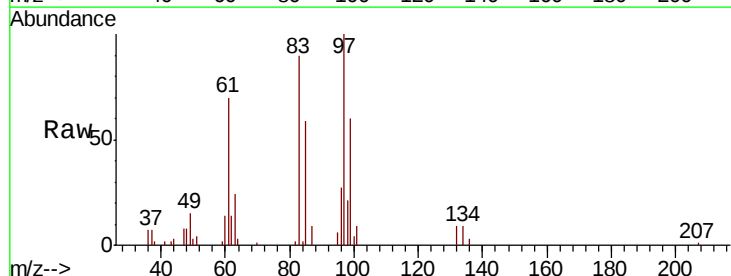
Ion 39.00 (38.70 to 39.70): VN0



#50

1,1,2-Trichloroethane
 Concen: 20.310 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.0	70.7	106.1
85	58.5	45.1	67.7
99	59.9	48.2	72.4



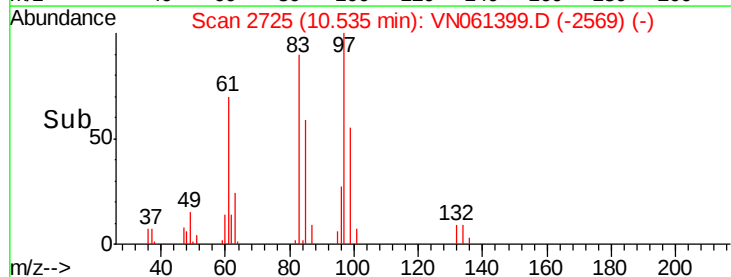
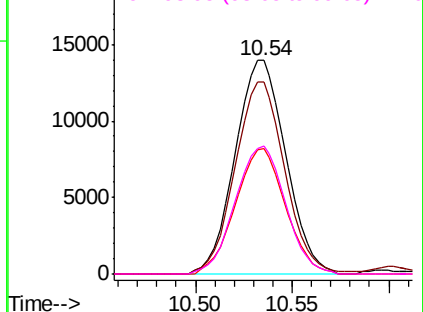
Abundance

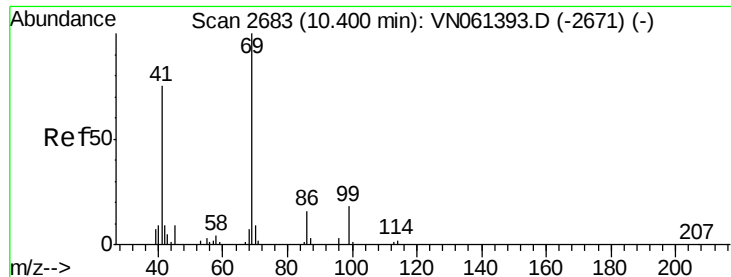
Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 19.893 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

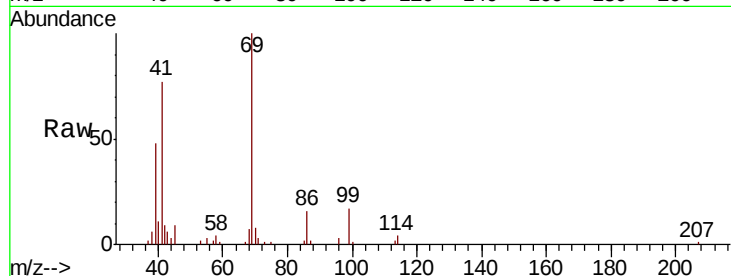
Tot Ion: 69 Resp: 42885

Ion Ratio Lower Upper

69 100

41 75.6 34.7 104.1

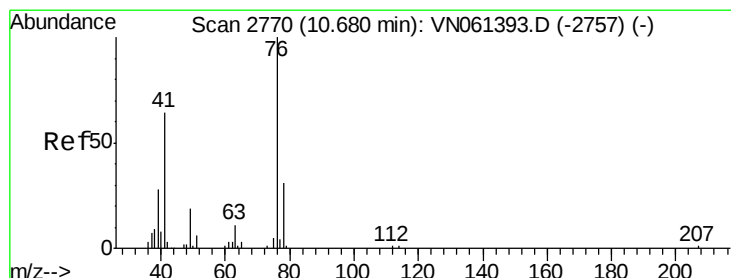
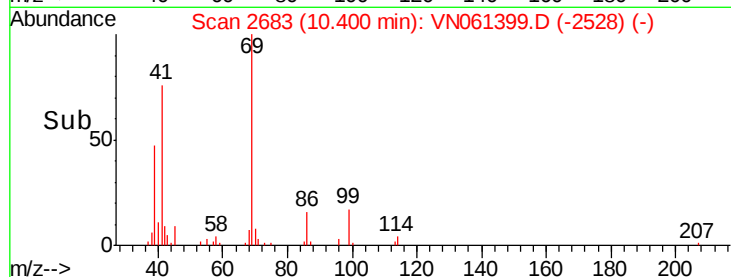
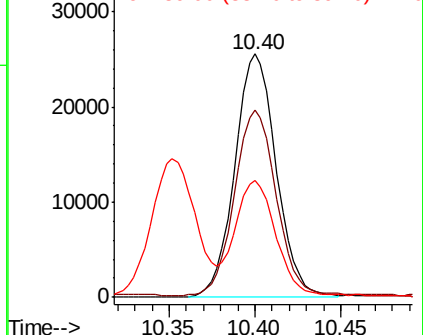
39 46.6 20.3 60.8



Abundance Ion 69.00 (68.70 to 69.70): VN061393.D (-2671) (-)

Ion 41.00 (40.70 to 41.70): VN061393.D (-2671) (-)

Ion 39.00 (38.70 to 39.70): VN061393.D (-2671) (-)



#52

1,3-Dichloropropane

Concen: 20.489 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. -0.00 min

Lab File: VN061399.D

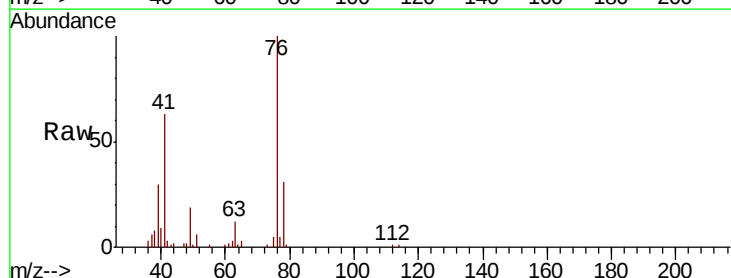
Acq: 14 May 2020 17:43

Tgt Ion: 76 Resp: 46814

Ion Ratio Lower Upper

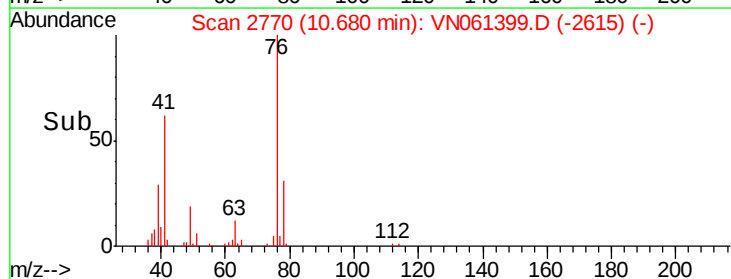
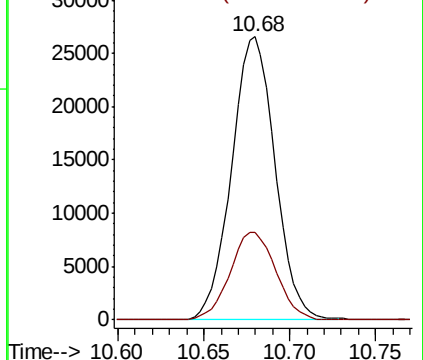
76 100

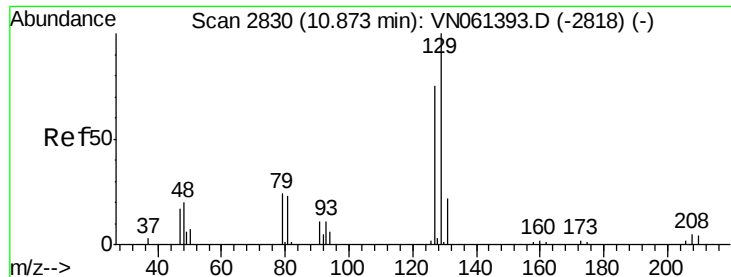
78 32.4 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN061393.D (-2757) (-)

Ion 78.00 (77.70 to 78.70): VN061393.D (-2757) (-)





#53

Dibromochloromethane

Concen: 19.170 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

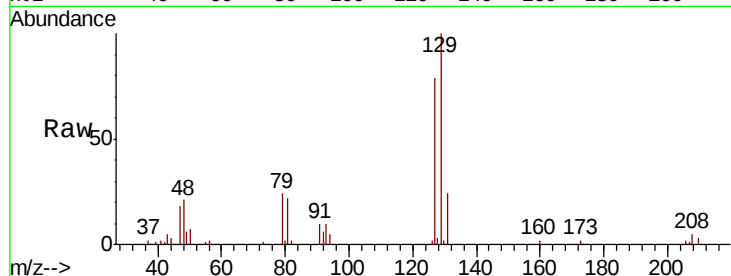
ClientSampleId :

Tot Ion:129 Resp: 26284

Ion Ratio Lower Upper

129 100

127 79.0 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

15000

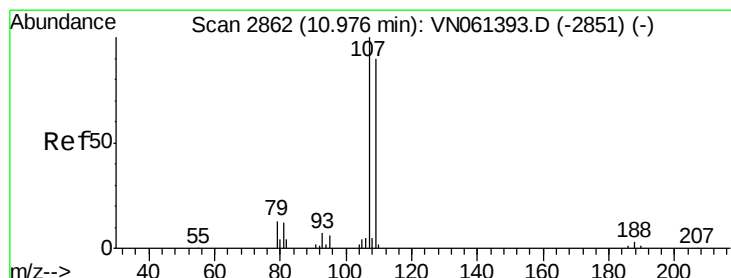
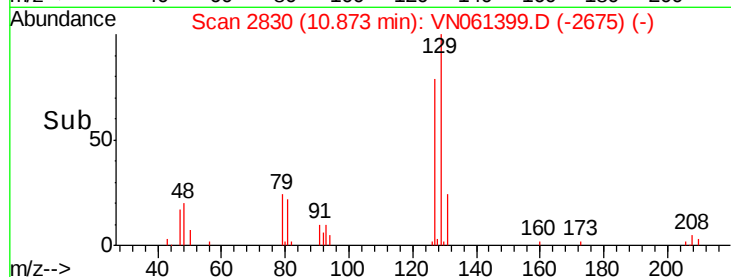
10000

5000

0

10.87

Time--> 10.80 10.85 10.90



#54

1,2-Dibromoethane

Concen: 19.712 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061399.D

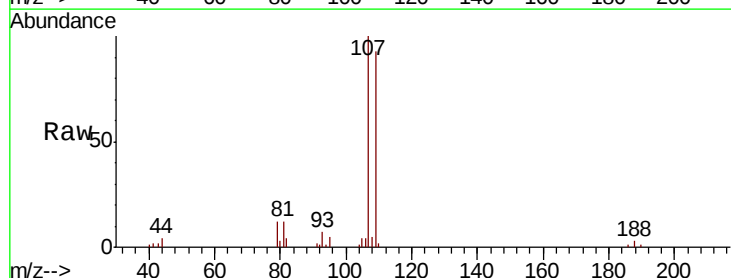
Acq: 14 May 2020 17:43

Tgt Ion:107 Resp: 25451

Ion Ratio Lower Upper

107 100

109 93.7 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

15000

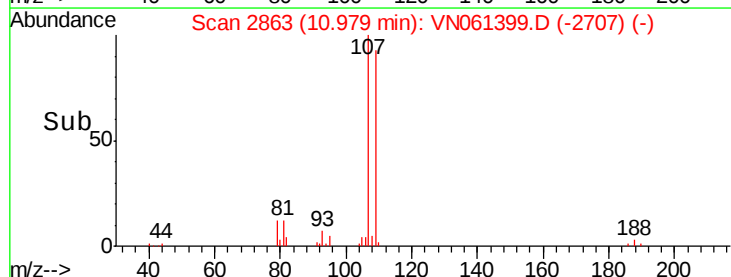
10000

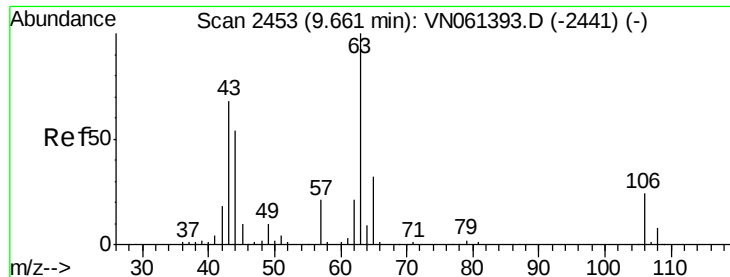
5000

0

10.98

Time--> 10.90 10.95 11.00 11.05

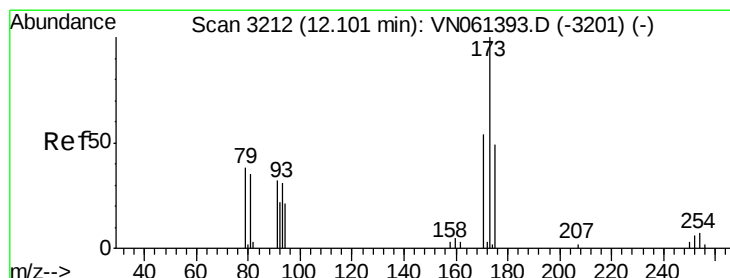
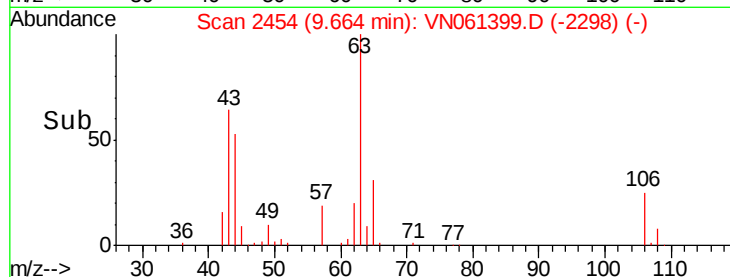
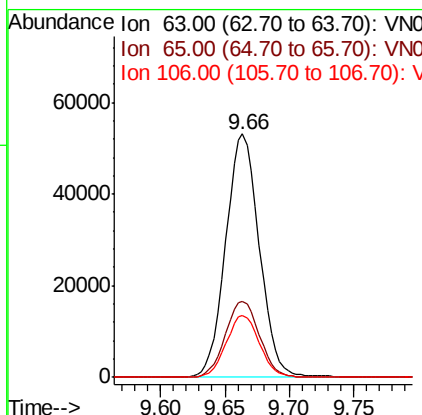
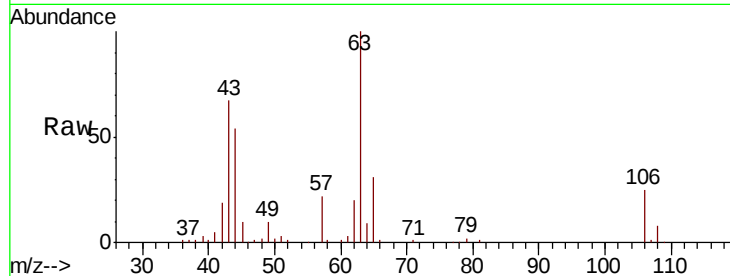




#55
2-Chloroethyl vinyl ether
Concen: 100.956 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

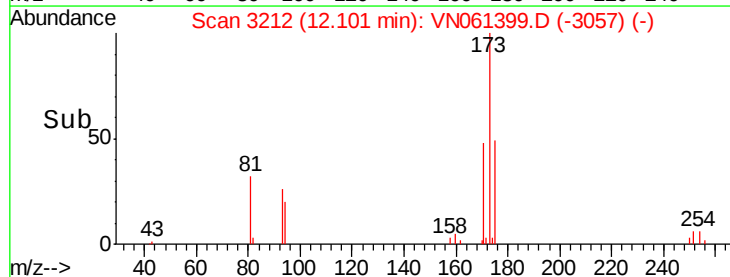
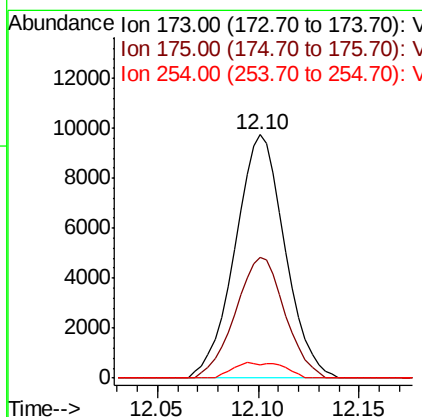
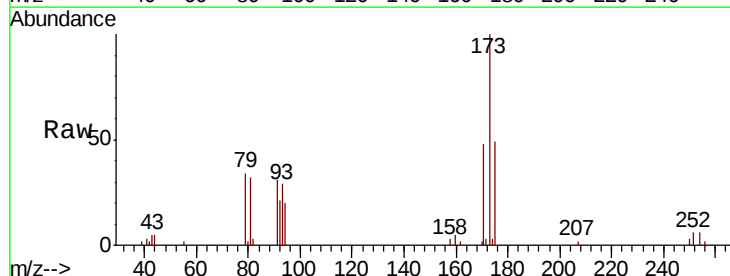
Instrument :
MSVOA_N
ClientSampleId :

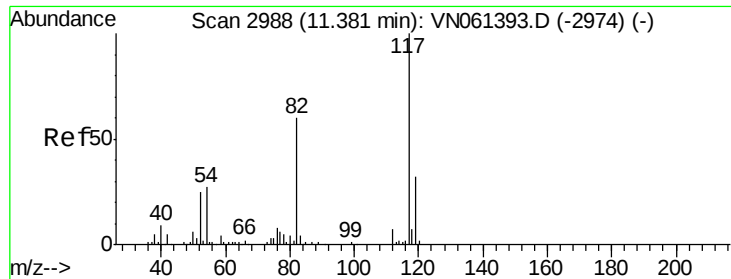
Tot Ion: 63 Resp: 96321
Ion Ratio Lower Upper
63 100
65 31.8 25.3 37.9
106 25.2 19.8 29.6



#56
Bromoform
Concen: 19.501 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion: 173 Resp: 16815
Ion Ratio Lower Upper
173 100
175 49.3 38.7 58.1
254 3.6 7.4 11.2#

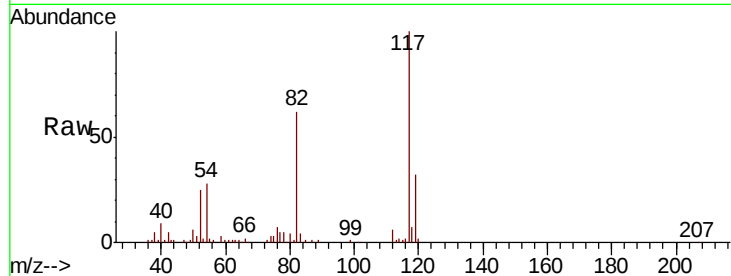




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.9	46.9	70.3
119	32.0	25.8	38.6

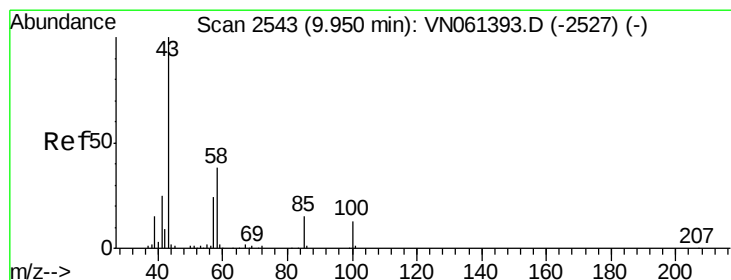
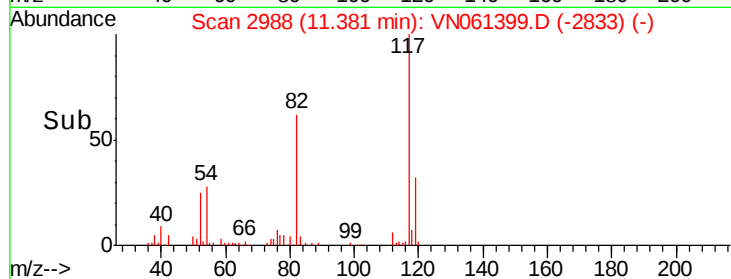
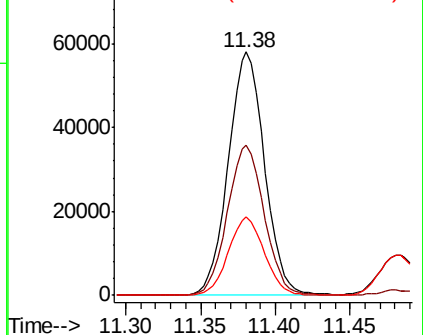


Abundance

Ion 117.00 (116.70 to 117.70): V

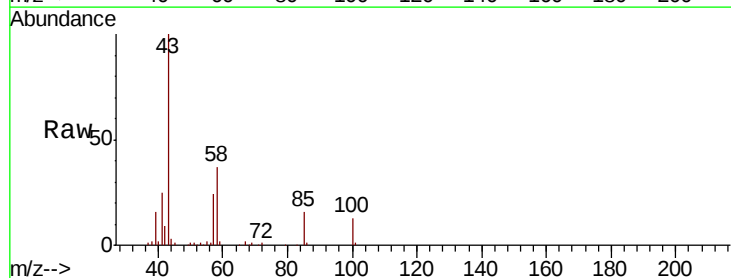
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 105.075 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.1	45.1
85	15.6	13.2	19.8

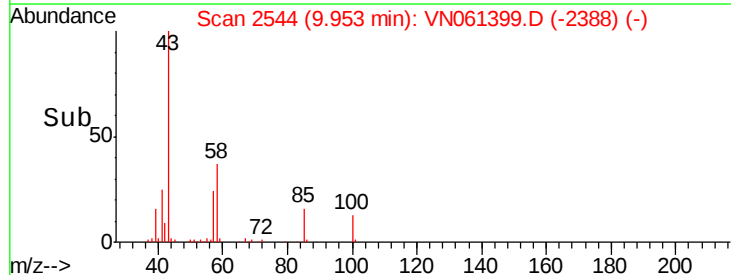
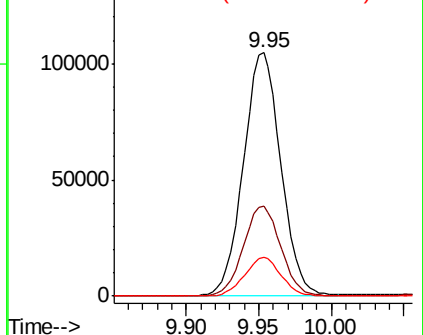


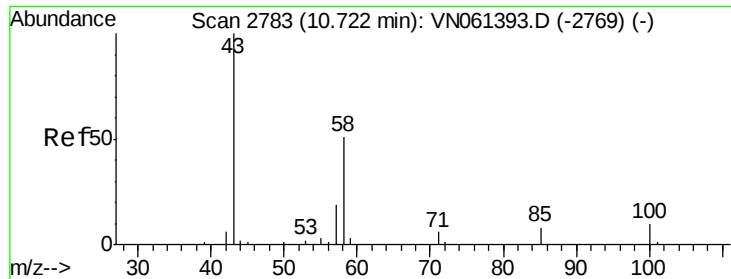
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V

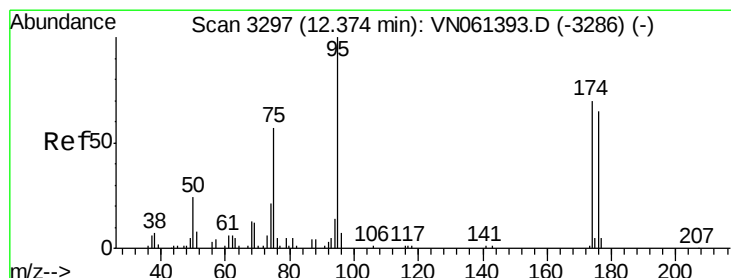
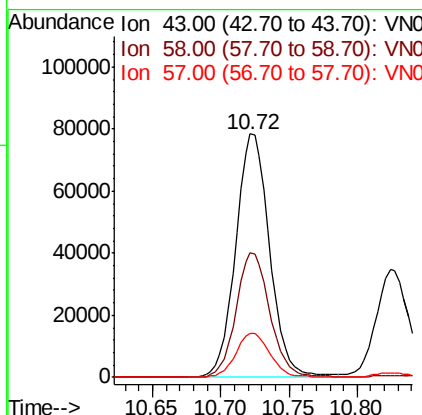
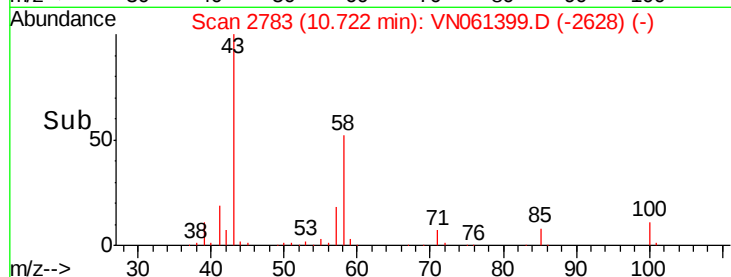
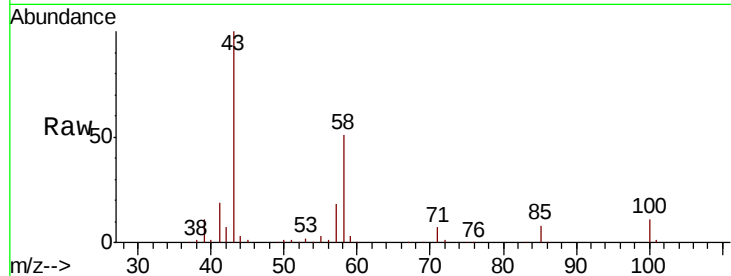




#59
2-Hexanone
Concen: 106.271 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

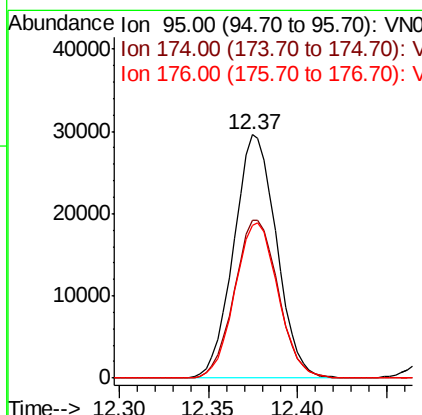
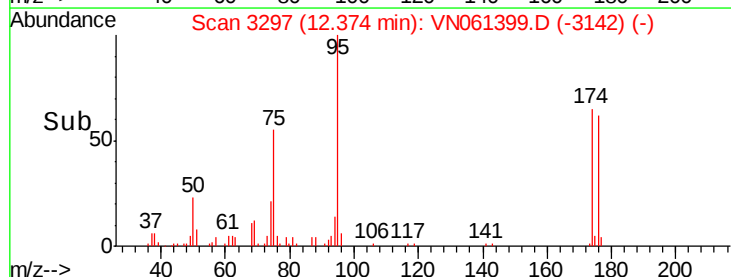
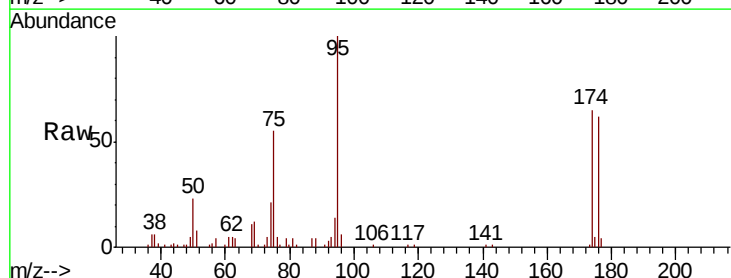
Instrument :
MSVOA_N
ClientSampled :

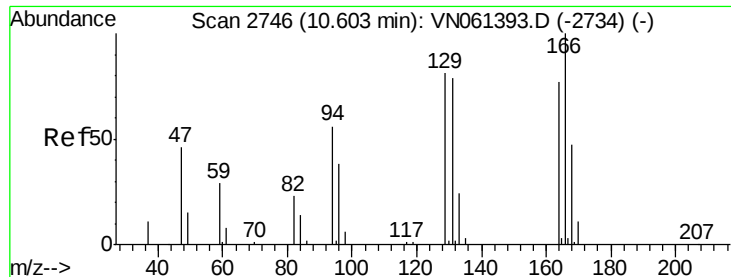
Tot Ion: 43 Resp: 133991
Ion Ratio Lower Upper
43 100
58 51.7 41.4 62.0
57 18.6 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.616 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion: 95 Resp: 49459
Ion Ratio Lower Upper
95 100
174 66.2 59.9 89.9
176 64.3 58.3 87.5





#61

Tetrachloroethene

Concen: 20.038 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 24511

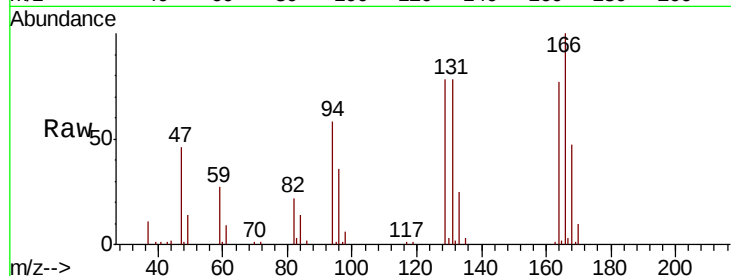
Ion Ratio Lower Upper

164 100

166 129.4 101.4 152.2

129 101.2 78.1 117.1

131 100.4 73.2 109.8

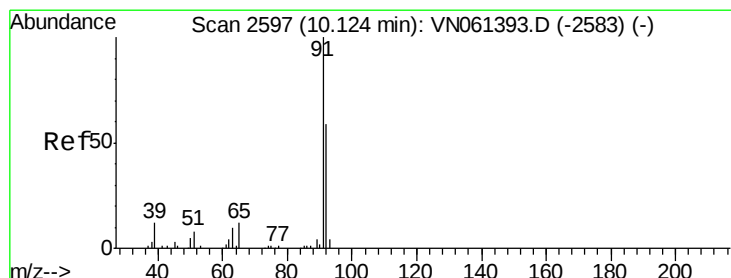
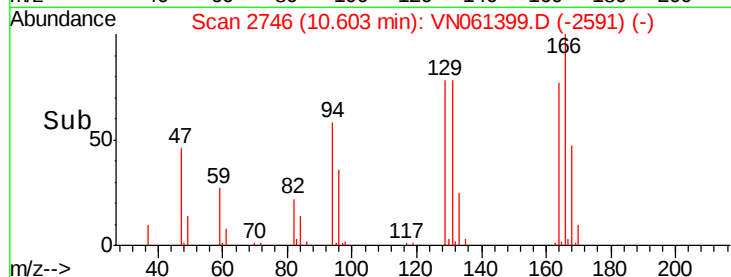
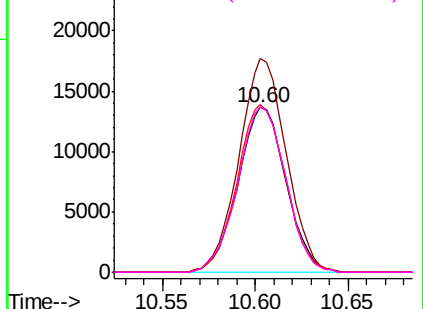


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.311 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061399.D

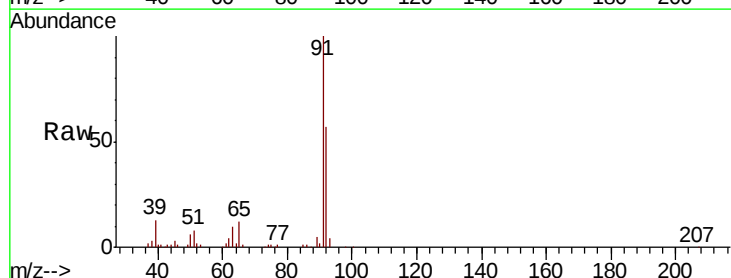
Acq: 14 May 2020 17:43

Tgt Ion: 91 Resp: 115202

Ion Ratio Lower Upper

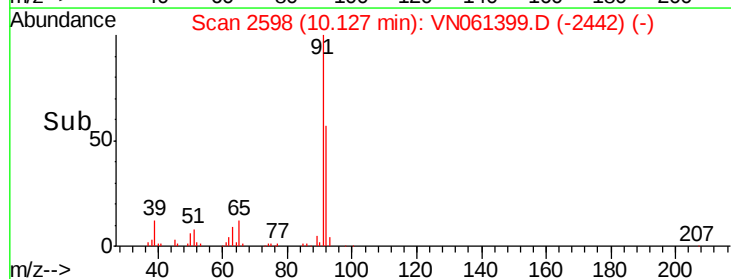
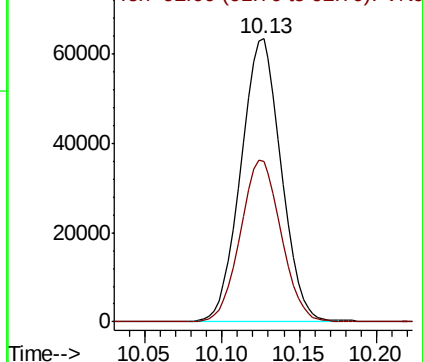
91 100

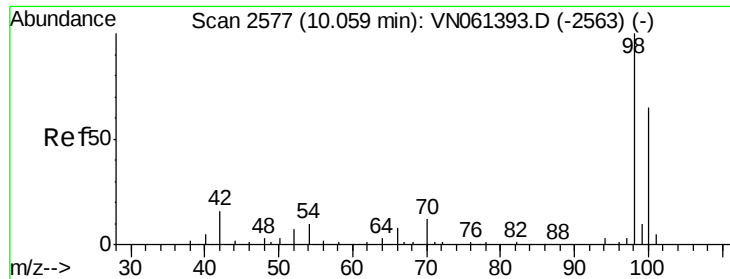
92 57.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.205 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

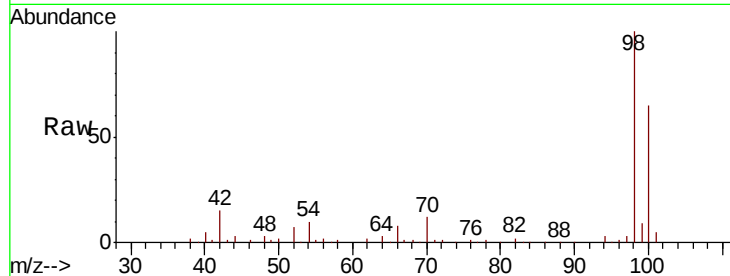
ClientSampleId :

Tot Ion: 98 Resp: 136805

Ion Ratio Lower Upper

98 100

100 65.2 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN061399.D (-2563) (-)

Ion 100.00 (99.70 to 100.70): VN061399.D (-2563) (-)

10.06

80000

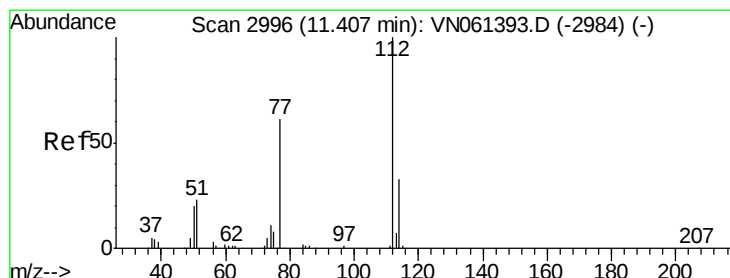
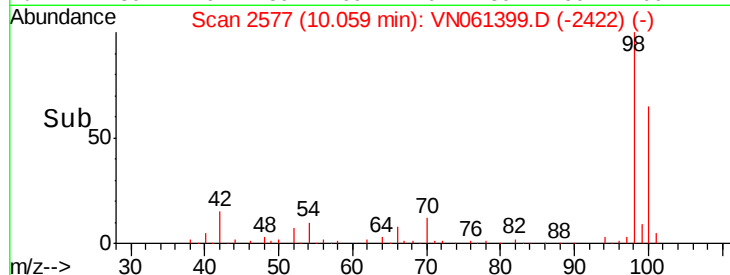
60000

40000

20000

0

Time-->



#64

Chlorobenzene

Concen: 20.162 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN061399.D

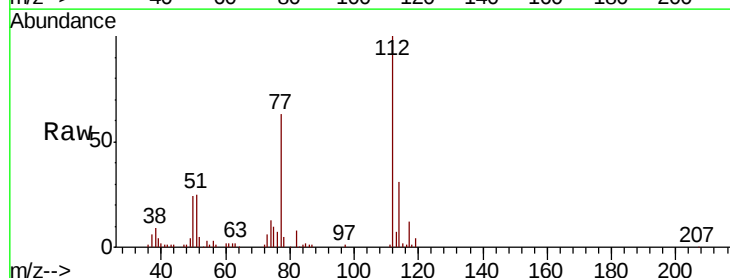
Acq: 14 May 2020 17:43

Tgt Ion: 112 Resp: 67685

Ion Ratio Lower Upper

112 100

114 30.8 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): VN061399.D (-2984) (-)

Ion 114.00 (113.70 to 114.70): VN061399.D (-2984) (-)

11.41

40000

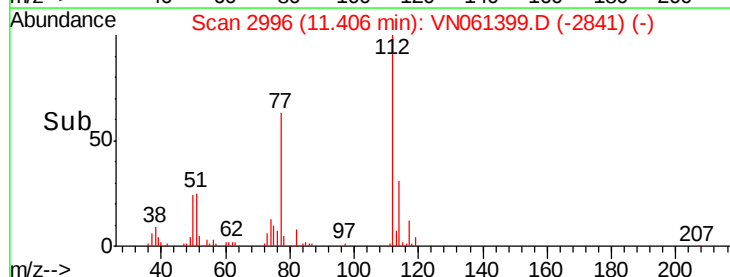
30000

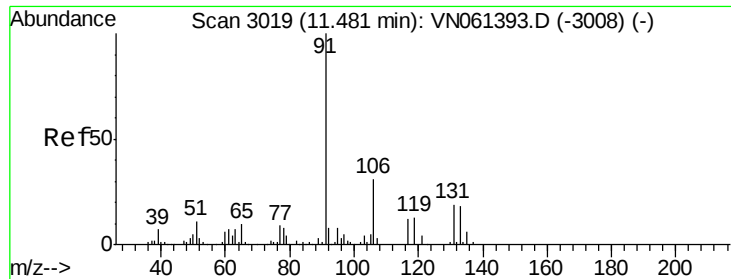
20000

10000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 19.891 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

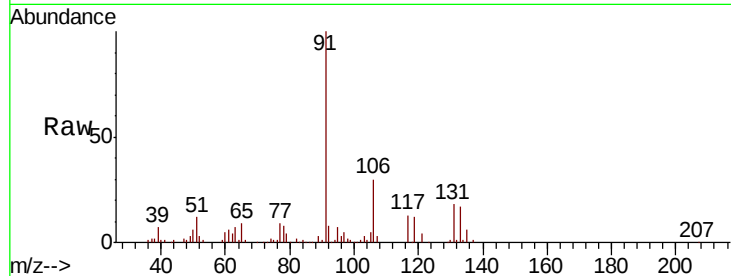
Tot Ion:131 Resp: 24399

Ion Ratio Lower Upper

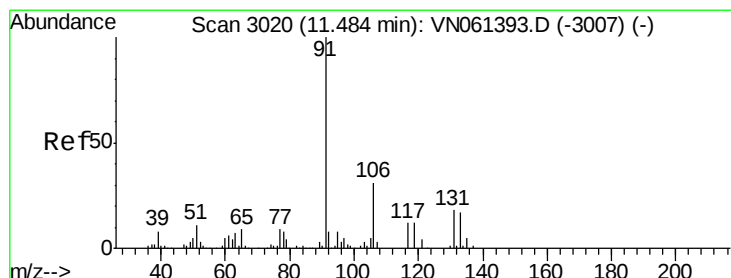
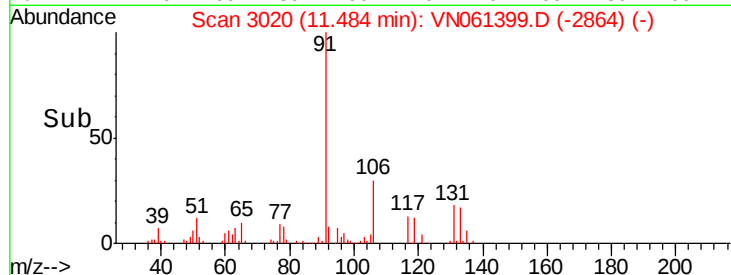
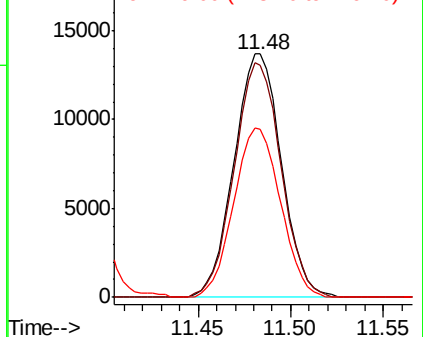
131 100

133 95.2 0.0 194.0

119 68.4 0.0 136.8



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.150 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN061399.D

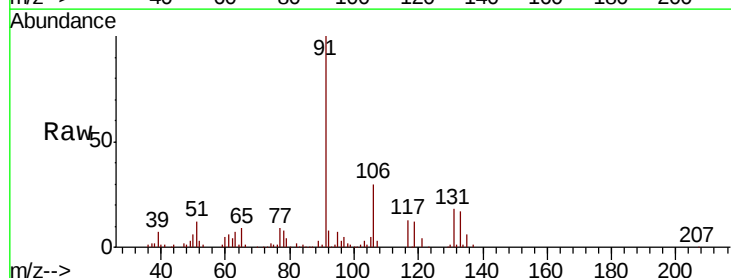
Acq: 14 May 2020 17:43

Tgt Ion: 91 Resp: 131160

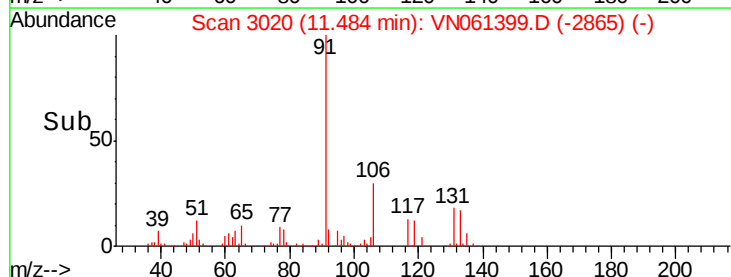
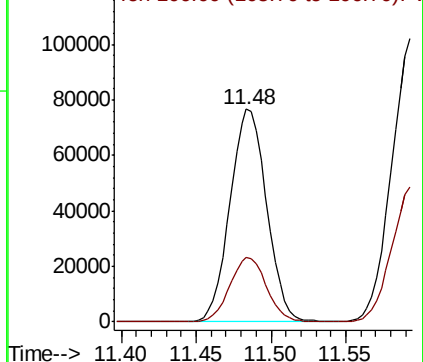
Ion Ratio Lower Upper

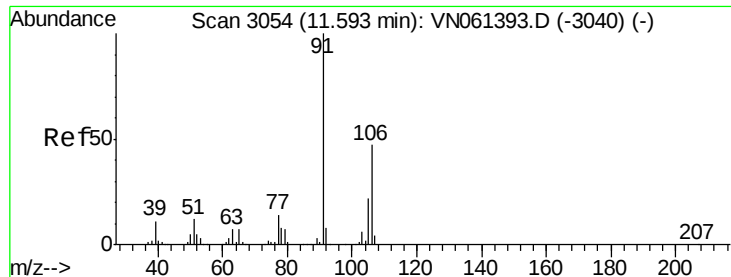
91 100

106 30.4 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 40.033 ug/l

RT: 11.59 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

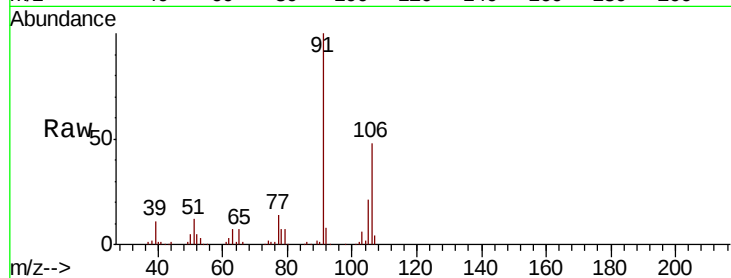
ClientSampleId :

Tot Ion:106 Resp: 96226

Ion Ratio Lower Upper

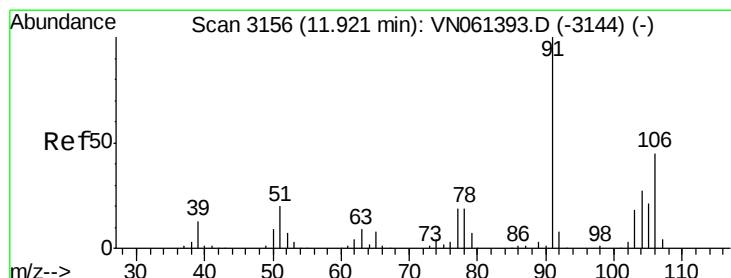
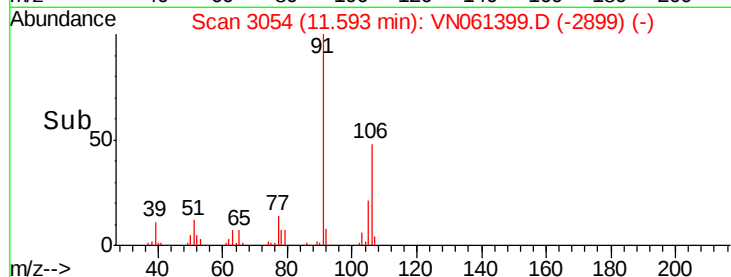
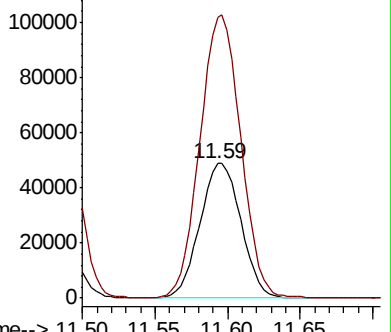
106 100

91 209.4 165.6 248.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.981 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VN061399.D

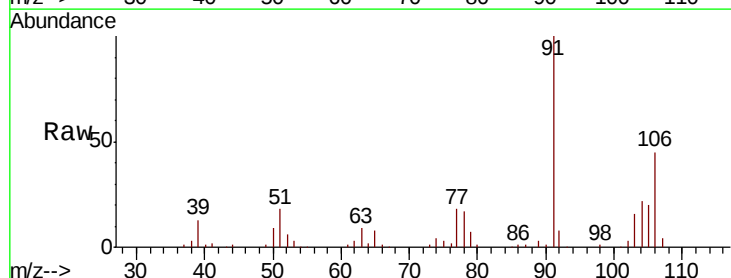
Acq: 14 May 2020 17:43

Tgt Ion:106 Resp: 45838

Ion Ratio Lower Upper

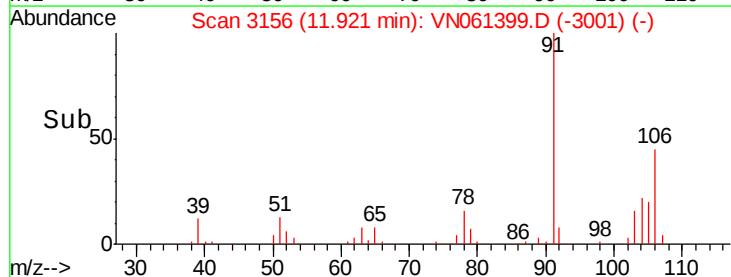
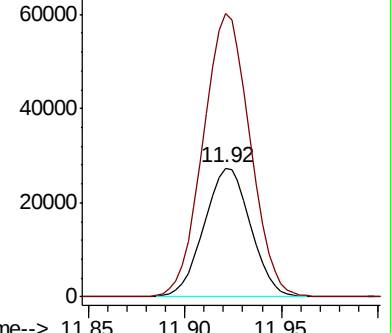
106 100

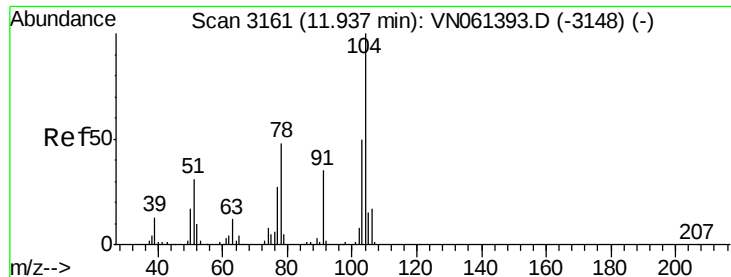
91 222.0 109.8 329.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

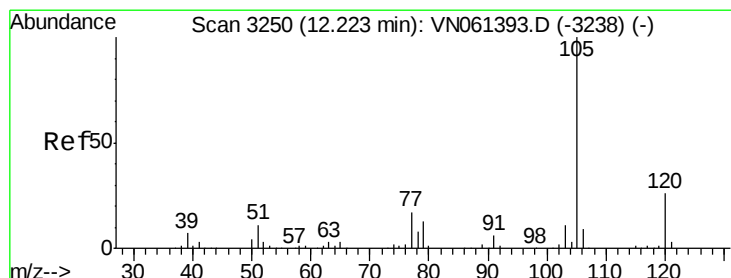
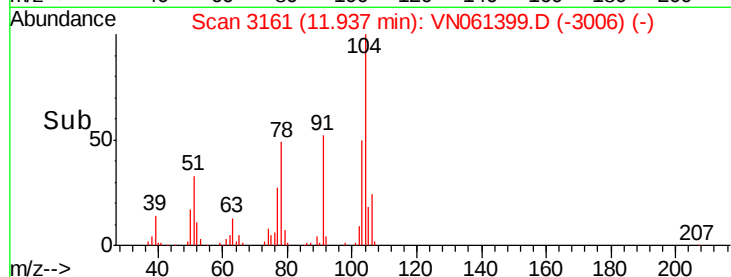
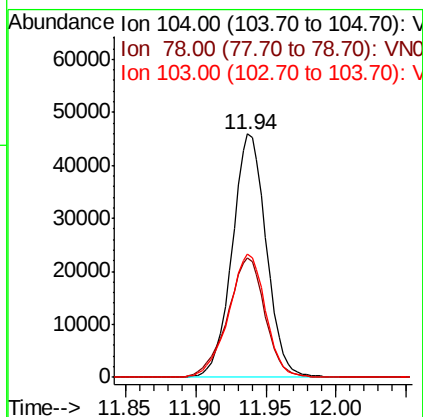
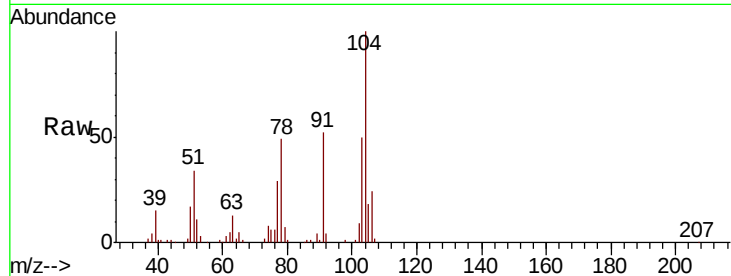




#69
Stvrene
Concen: 19.698 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

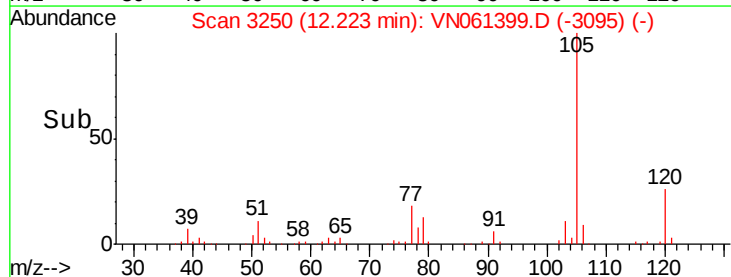
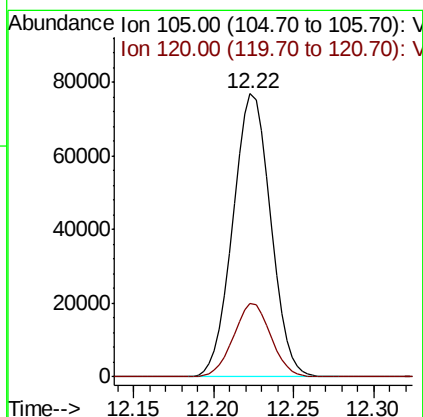
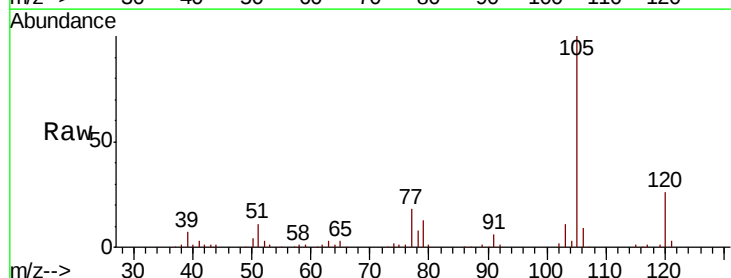
Instrument :
MSVOA_N
ClientSampled :

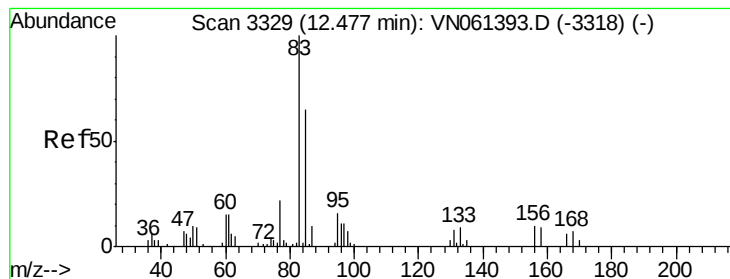
Tot Ion:104 Resp: 77755
Ion Ratio Lower Upper
104 100
78 53.6 42.4 63.6
103 54.5 44.6 66.8



#70
Isopropylbenzene
Concen: 19.924 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion:105 Resp: 123843
Ion Ratio Lower Upper
105 100
120 25.6 18.4 34.2





#71

1,1,2,2-Tetrachloroethane

Concen: 20.278 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

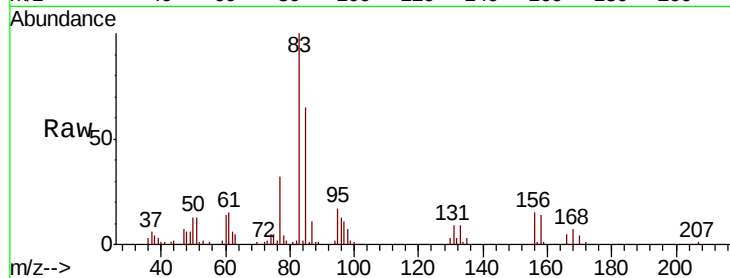
Tot Ion: 83 Resp: 34820

Ion Ratio Lower Upper

83 100

131 8.9 4.9 14.7

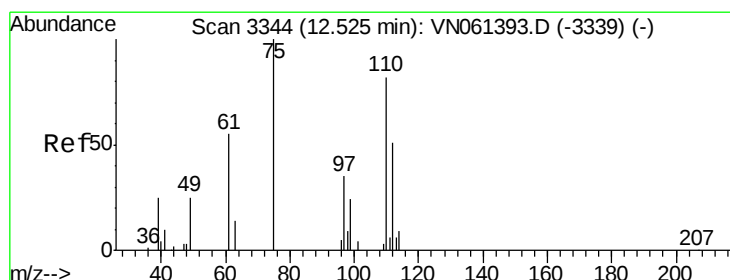
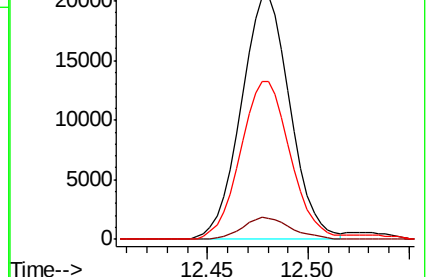
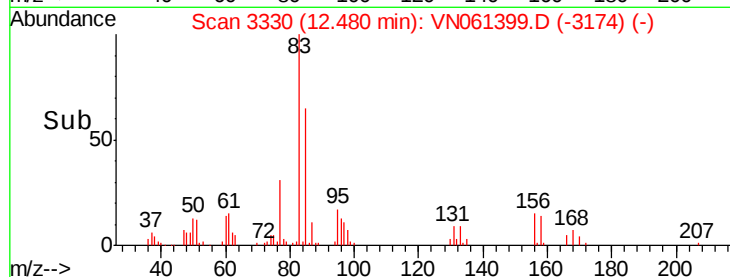
85 65.7 31.6 94.7



Abundance Ion 83.00 (82.70 to 83.70): VN061399.D (-3318) (-)

Ion 131.00 (130.70 to 131.70): VN061399.D (-3318) (-)

Ion 85.00 (84.70 to 85.70): VN061399.D (-3318) (-)



#72

1,2,3-Trichloropropane

Concen: 30.225 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN061399.D

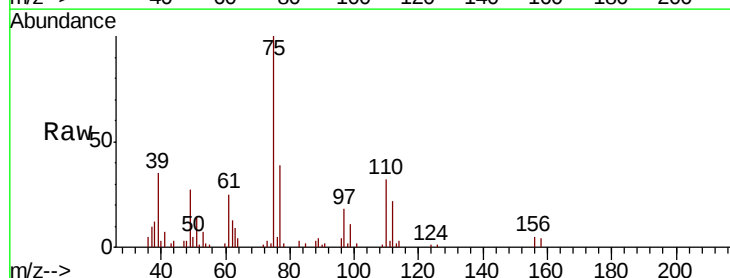
Acq: 14 May 2020 17:43

Tgt Ion: 75 Resp: 49502

Ion Ratio Lower Upper

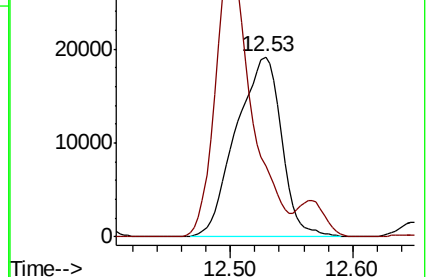
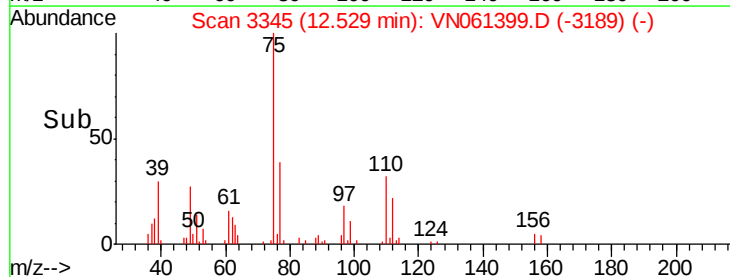
75 100

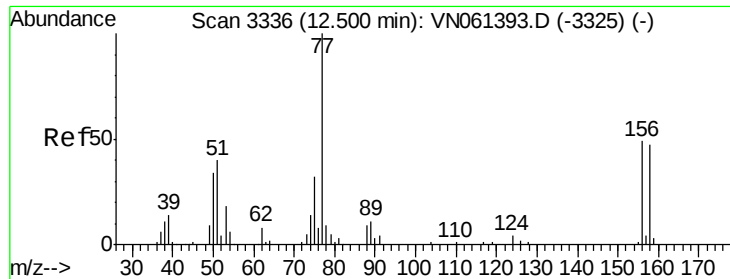
77 125.0 0.0 359.4



Abundance Ion 75.00 (74.70 to 75.70): VN061399.D (-3339) (-)

Ion 77.00 (76.70 to 77.70): VN061399.D (-3339) (-)





#73

Bromobenzene

Concen: 19.637 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampled :

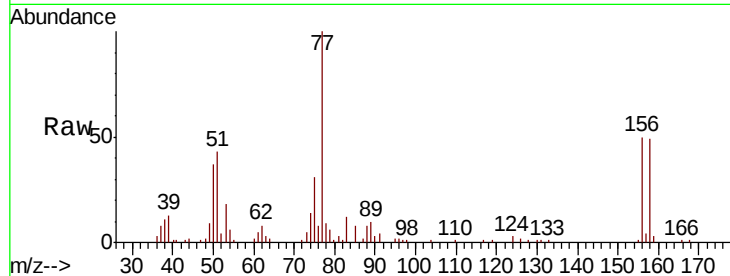
Tot Ion:156 Resp: 25352

Ion Ratio Lower Upper

156 100

77 244.1 0.0 456.0

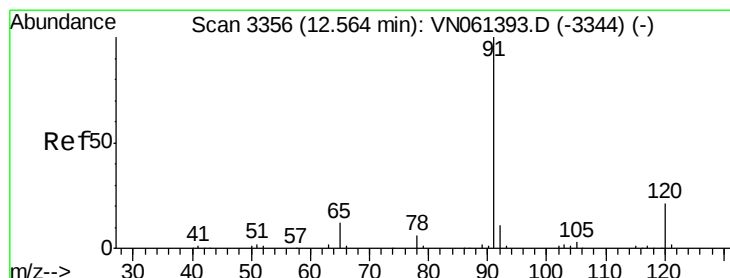
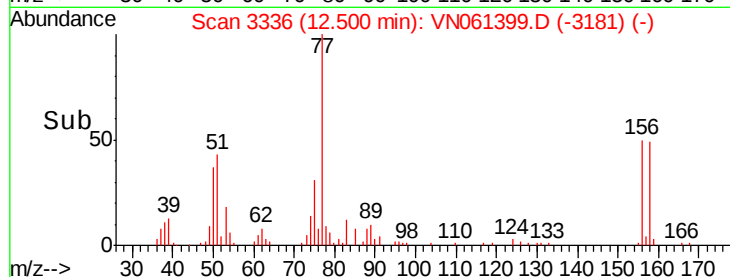
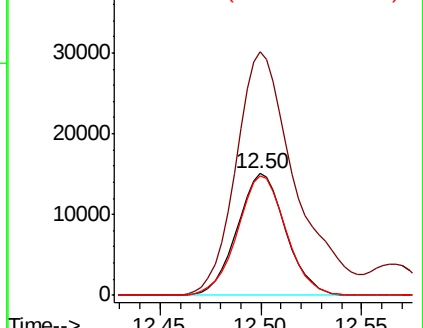
158 98.0 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.742 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN061399.D

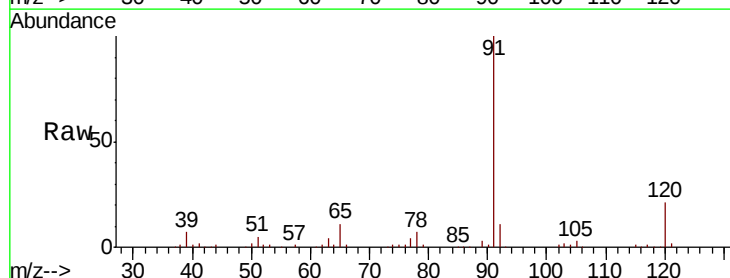
Acq: 14 May 2020 17:43

Tgt Ion: 91 Resp: 145901

Ion Ratio Lower Upper

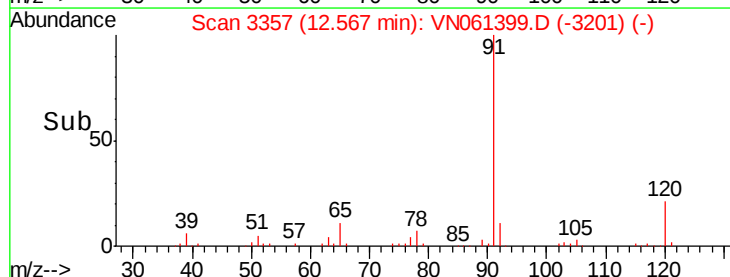
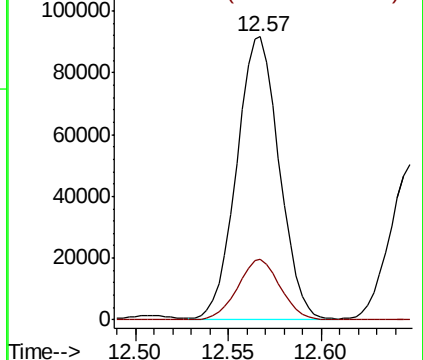
91 100

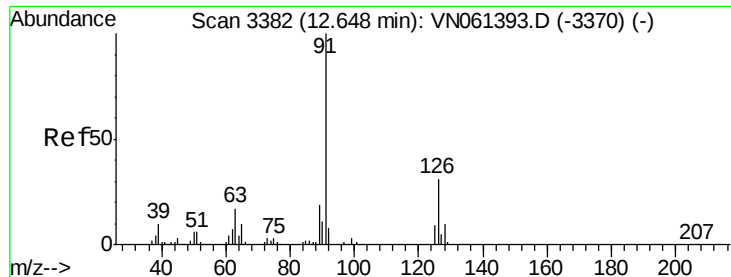
120 21.2 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V

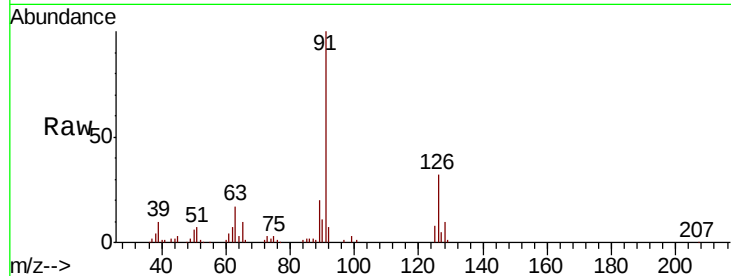




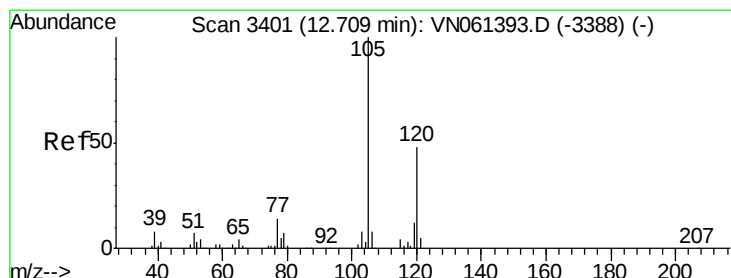
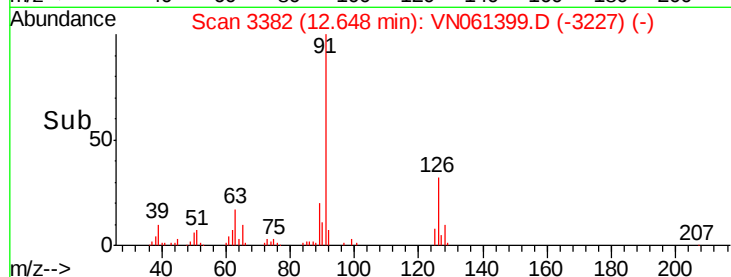
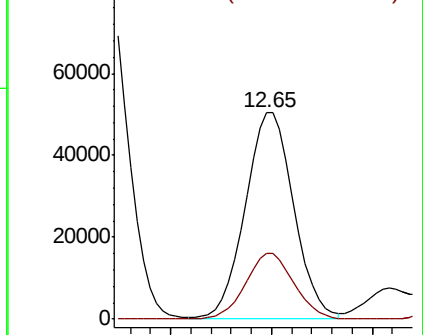
#75
2-Chlorotoluene
Concen: 19.911 ug/l
RT: 12.65 min Scan# 3382
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 84385
Ion Ratio Lower Upper
91 100
126 31.9 0.0 65.4

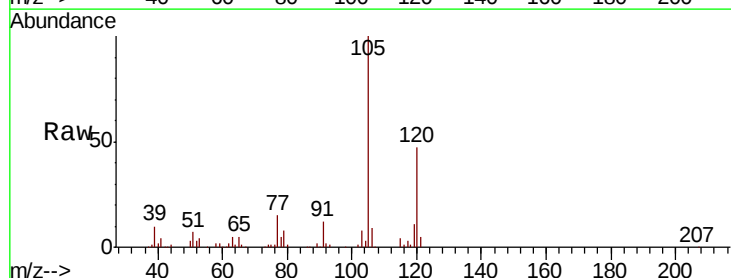


Abundance Ion 91.00 (90.70 to 91.70): VN061399.D (-3382) (-)
Ion 126.00 (125.70 to 126.70): VN061399.D (-3382) (-)

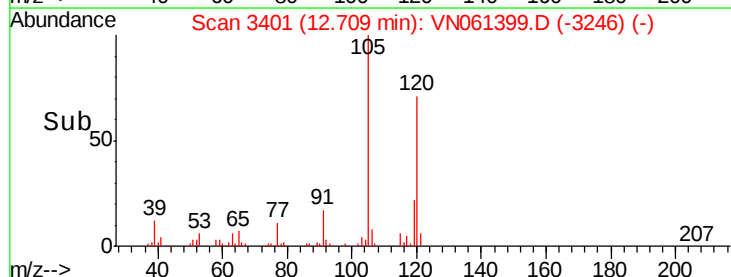
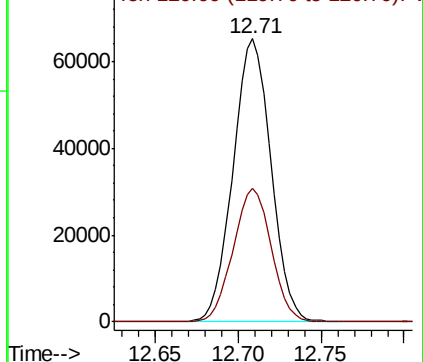


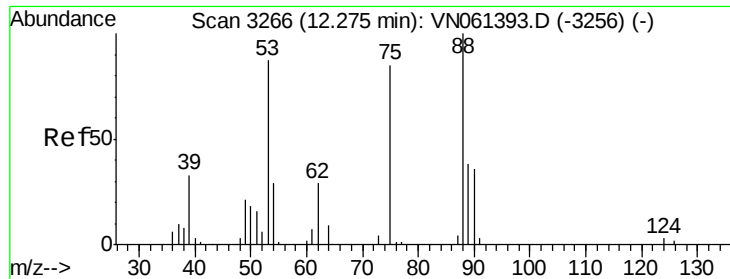
#76
1,3,5-Trimethylbenzene
Concen: 19.936 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion:105 Resp: 103987
Ion Ratio Lower Upper
105 100
120 47.1 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN061399.D (-3401) (-)
Ion 120.00 (119.70 to 120.70): VN061399.D (-3401) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 19.870 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampled :

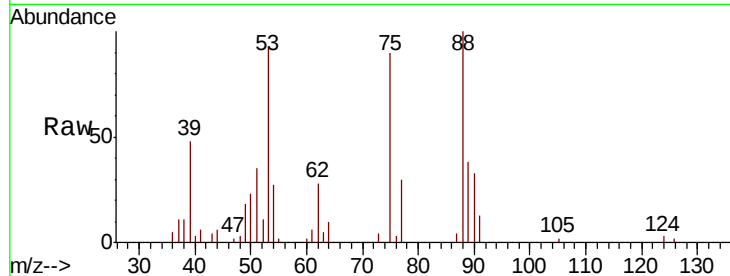
Tot Ion: 75 Resp: 13544

Ion Ratio Lower Upper

75 100

53 101.0 50.0 150.0

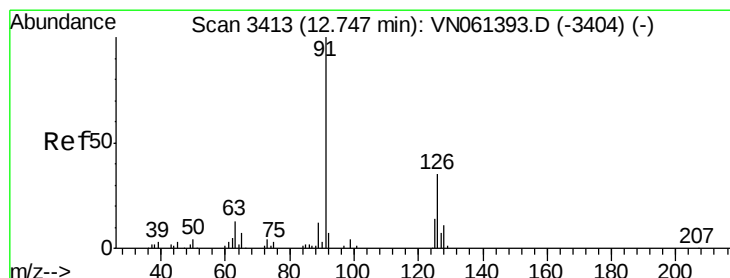
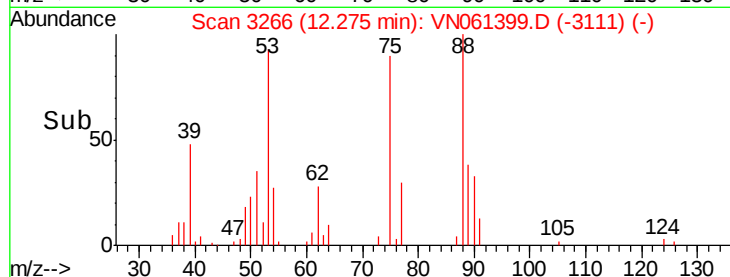
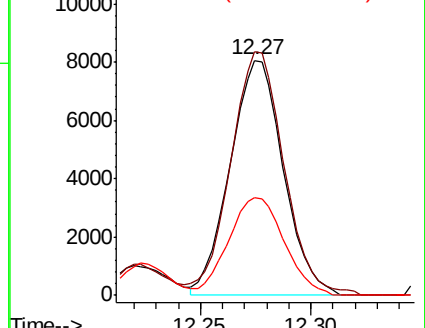
89 41.7 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.467 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061399.D

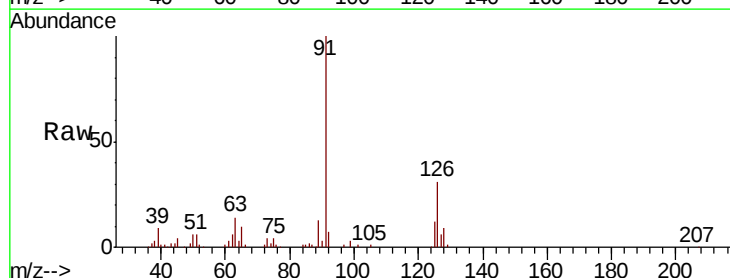
Acq: 14 May 2020 17:43

Tgt Ion: 91 Resp: 86394

Ion Ratio Lower Upper

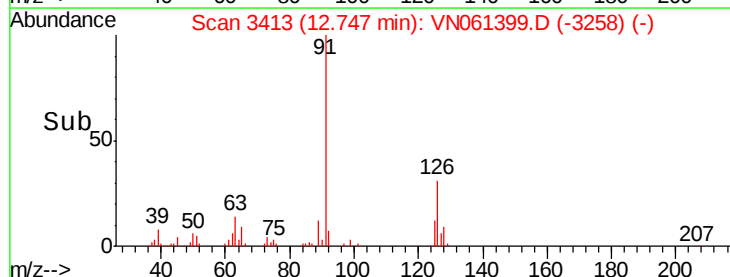
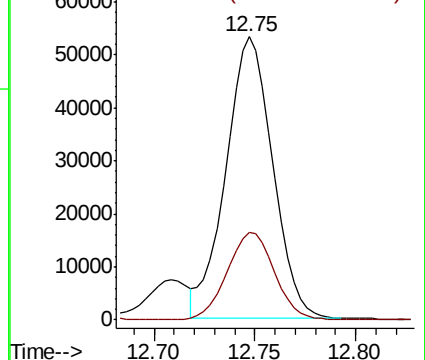
91 100

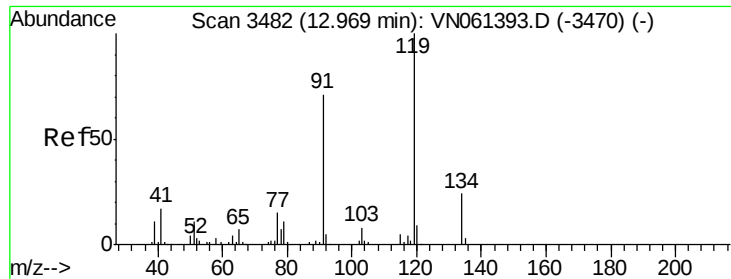
126 31.3 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

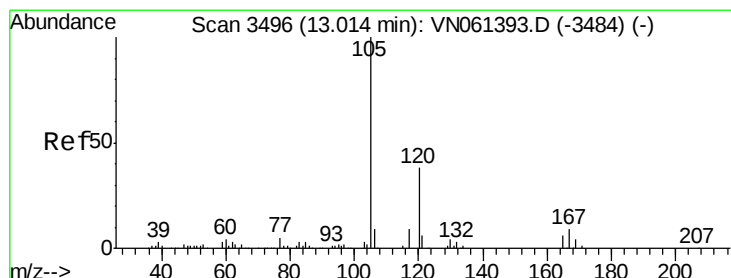
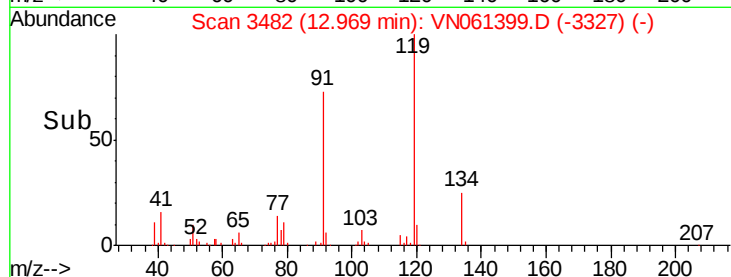
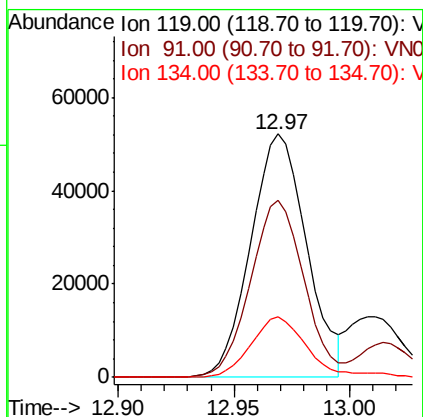
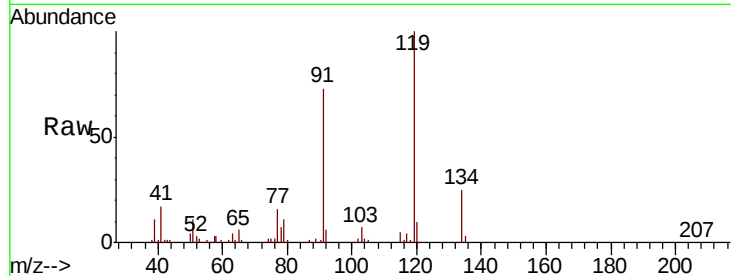




#79
tert-butylbenzene
Concen: 20.156 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

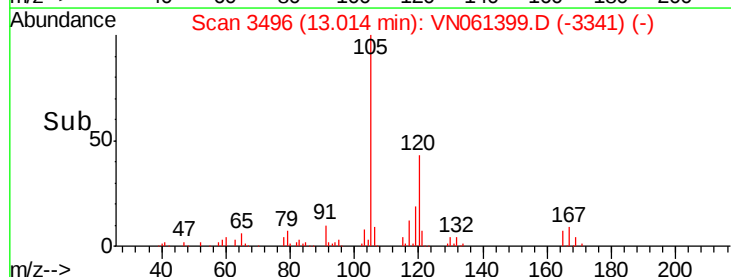
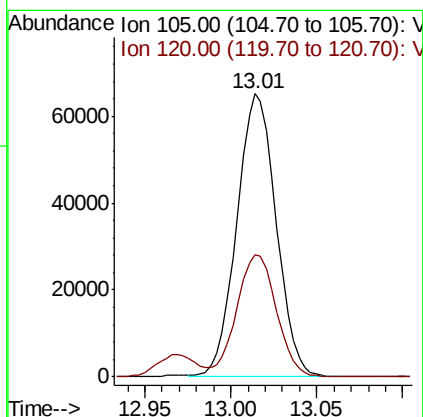
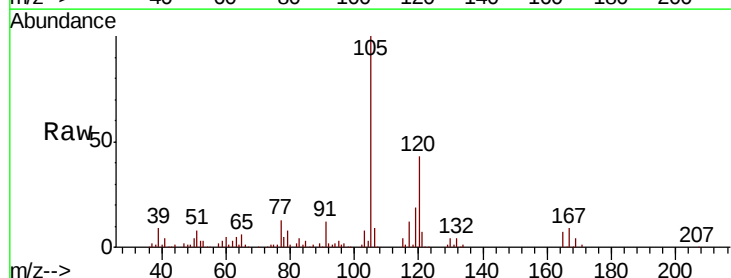
Instrument :
MSVOA_N
ClientSampleId :

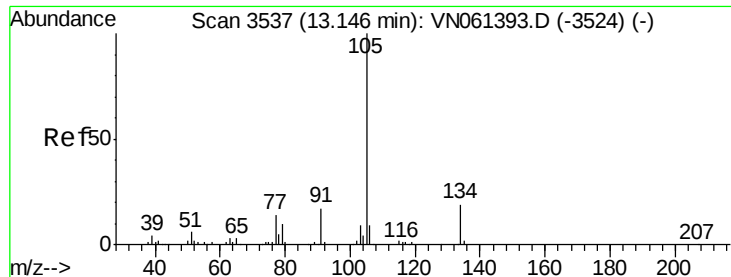
Tot Ion:119 Resp: 87335
Ion Ratio Lower Upper
119 100
91 70.0 0.0 136.4
134 25.4 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 19.771 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion:105 Resp: 102939
Ion Ratio Lower Upper
105 100
120 44.1 0.0 89.2

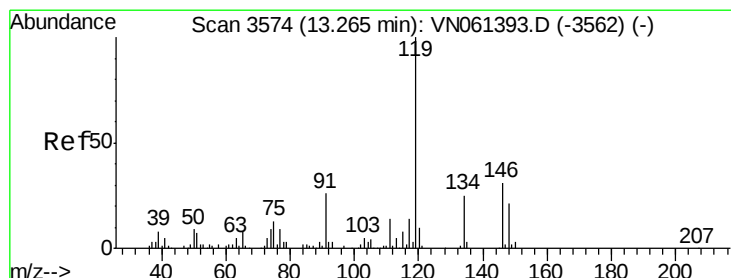
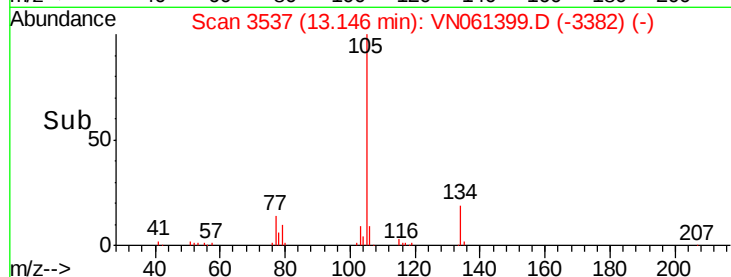
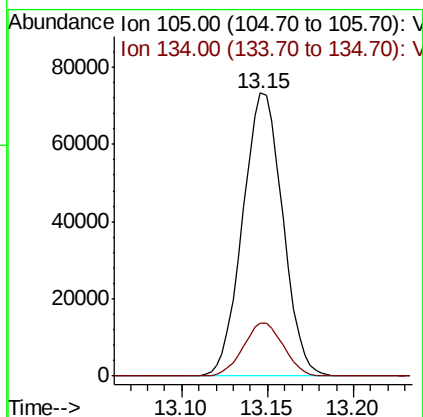
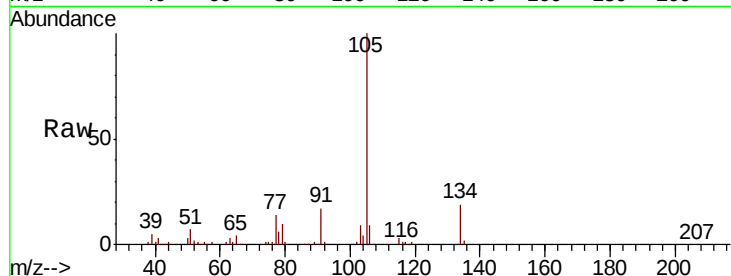




#81
 sec-Butylbenzene
 Concen: 19.866 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

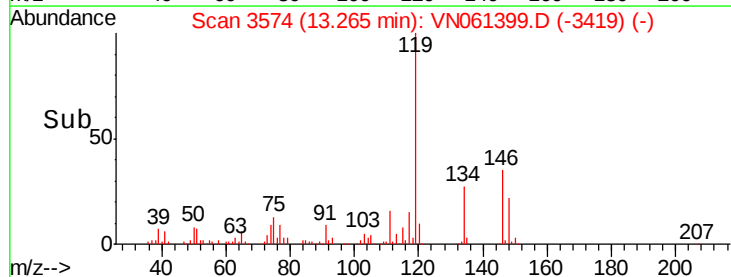
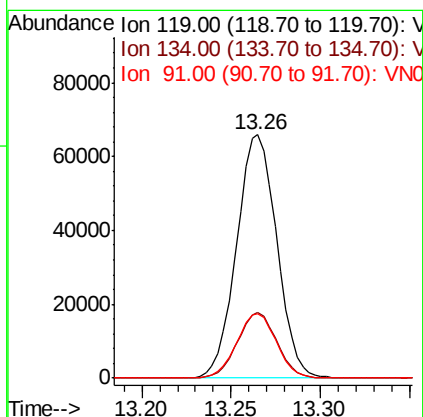
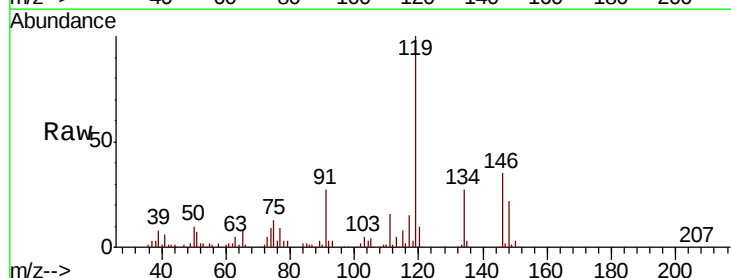
Instrument :
 MSVOA_N
 ClientSampleId :

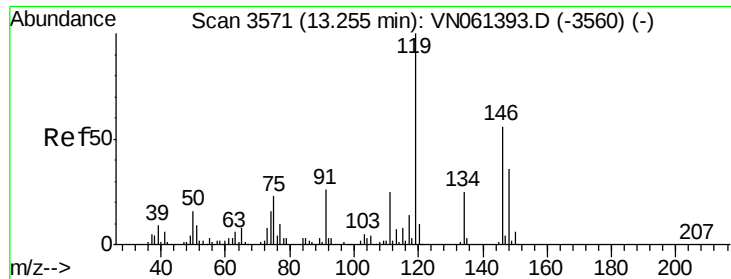
Tot Ion:105 Resp: 118582
 Ion Ratio Lower Upper
 105 100
 134 18.9 0.0 38.0



#82
 p-Isopropyltoluene
 Concen: 19.258 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion:119 Resp: 103516
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 50.8
 91 26.2 0.0 49.4

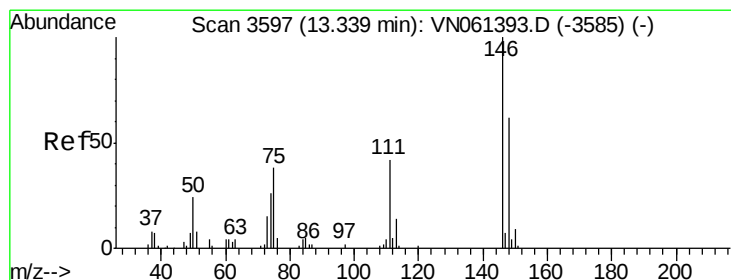
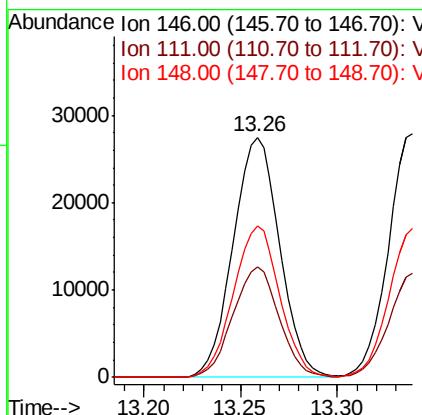
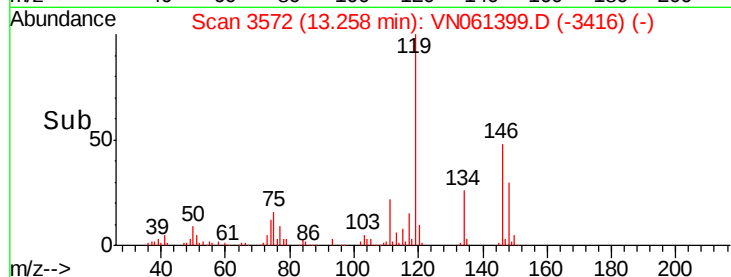
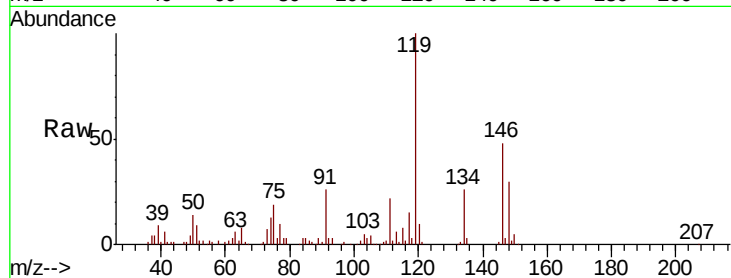




#83
 1,3-Dichlorobenzene
 Concen: 19.185 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

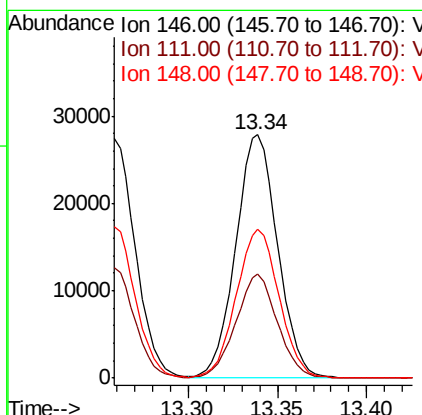
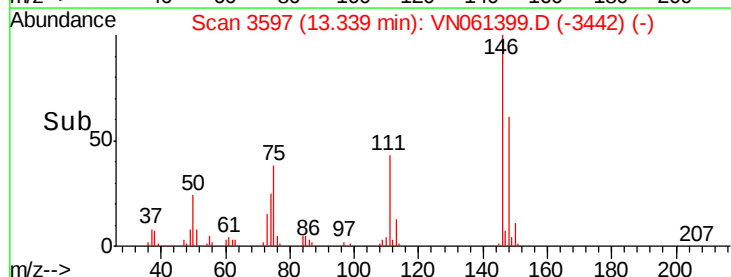
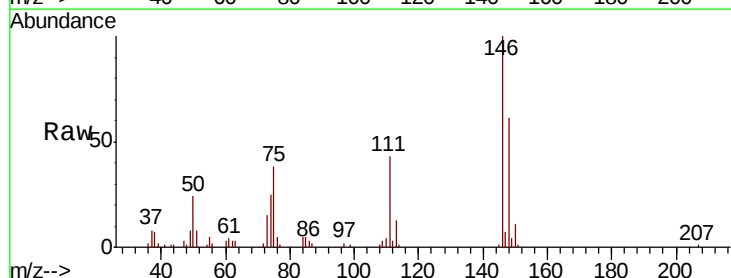
Instrument :
 MSVOA_N
 ClientSampleId :

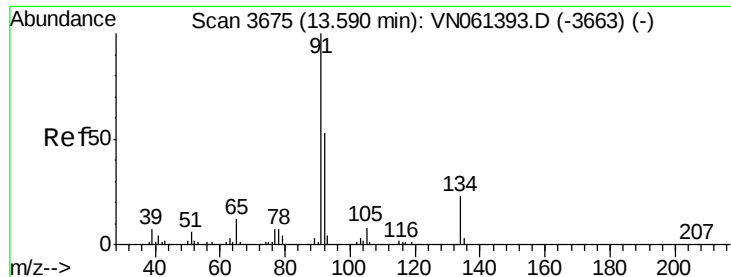
Tot Ion:146 Resp: 46033
 Ion Ratio Lower Upper
 146 100
 111 45.4 21.0 63.0
 148 62.5 31.7 95.1



#84
 1,4-Dichlorobenzene
 Concen: 19.287 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion:146 Resp: 45803
 Ion Ratio Lower Upper
 146 100
 111 42.4 19.8 59.4
 148 62.4 31.6 94.8

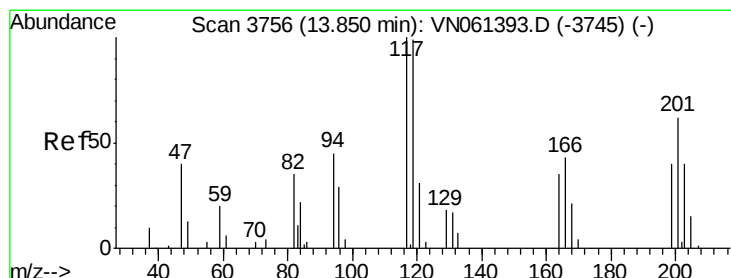
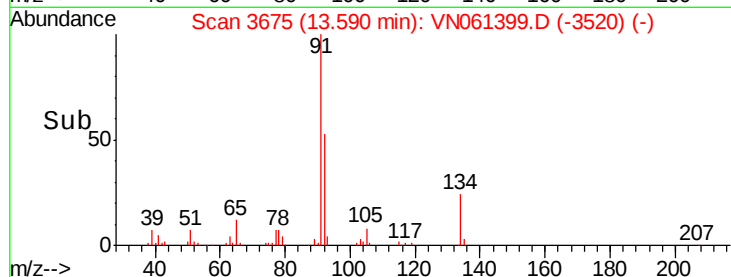
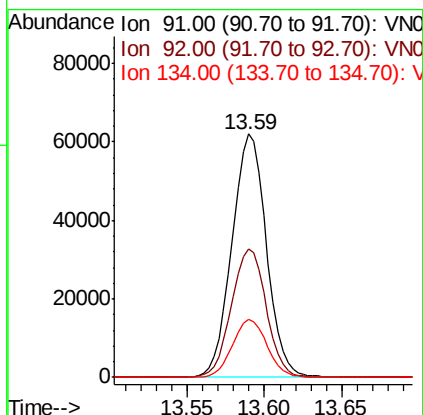
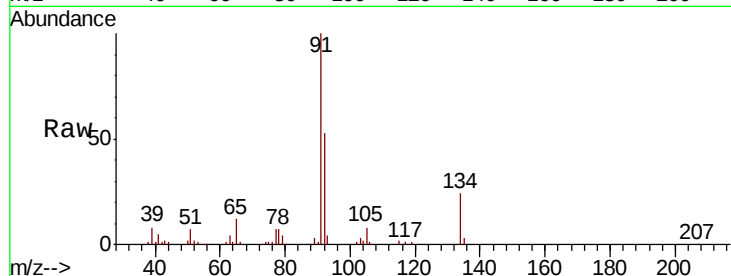




#85
n-Butylbenzene
Concen: 19.286 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

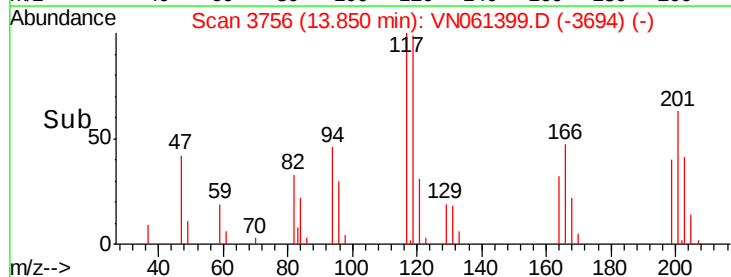
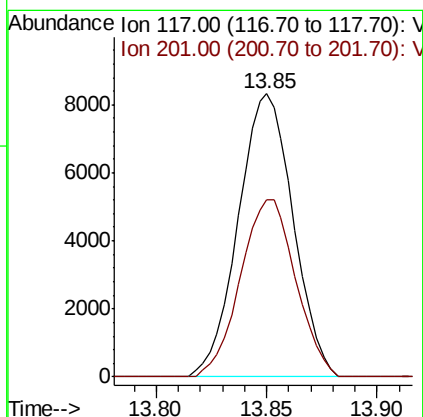
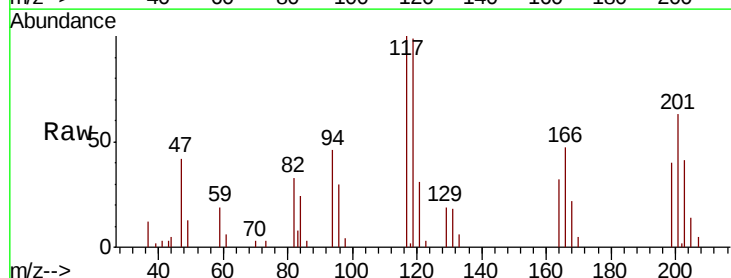
Instrument :
MSVOA_N
ClientSampled :

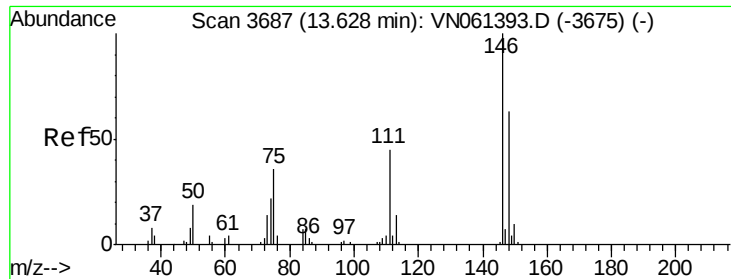
Tot Ion: 91 Resp: 95970
Ion Ratio Lower Upper
91 100
92 53.3 0.0 102.8
134 23.8 0.0 48.6



#86
Hexachloroethane
Concen: 19.185 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion: 117 Resp: 14375
Ion Ratio Lower Upper
117 100
201 63.1 38.7 116.1





#87

1,2-Dichlorobenzene

Concen: 19.899 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

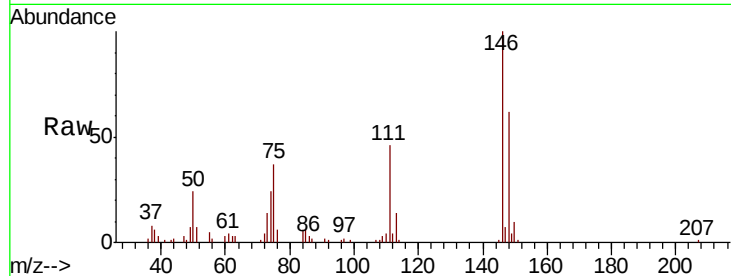
Tot Ion:146 Resp: 45292

Ion Ratio Lower Upper

146 100

111 45.6 21.8 65.4

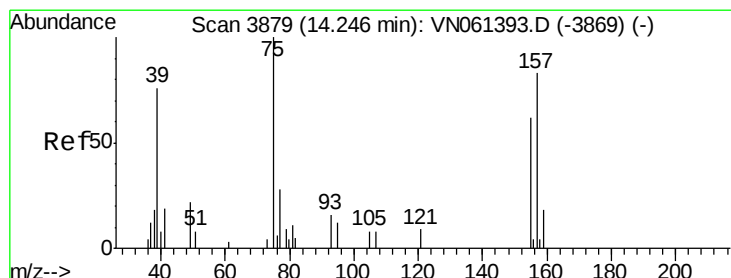
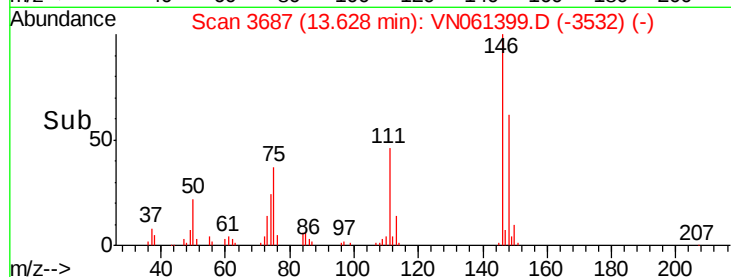
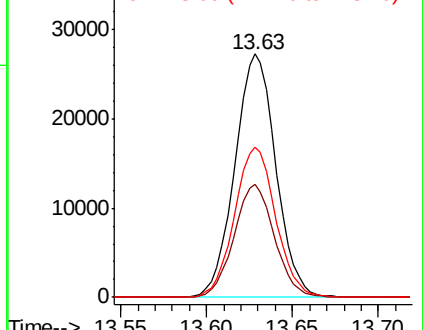
148 62.0 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 20.958 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061399.D

Acq: 14 May 2020 17:43

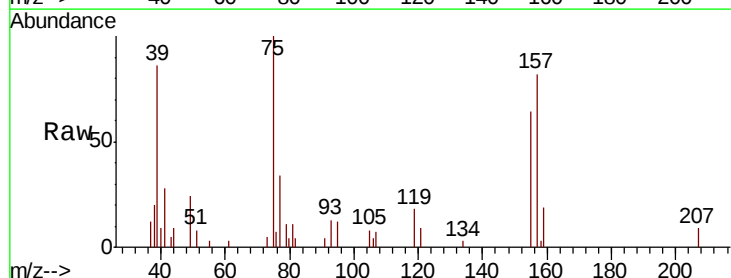
Tgt Ion: 75 Resp: 7670

Ion Ratio Lower Upper

75 100

155 64.3 58.3 87.5

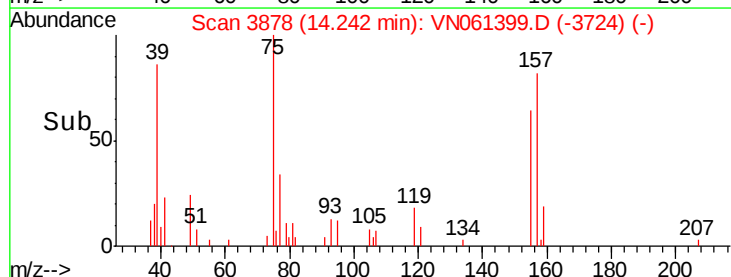
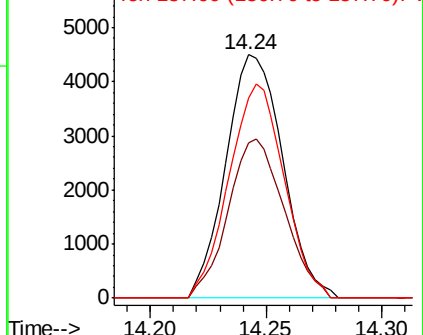
157 85.1 75.0 112.6

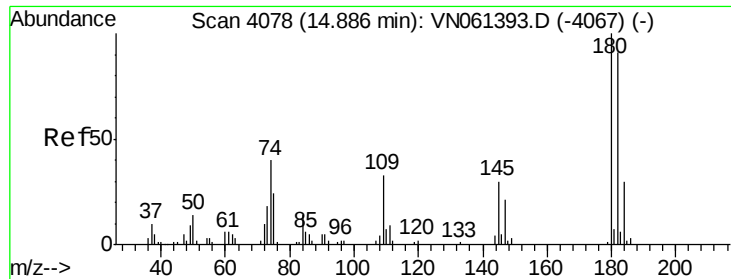


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

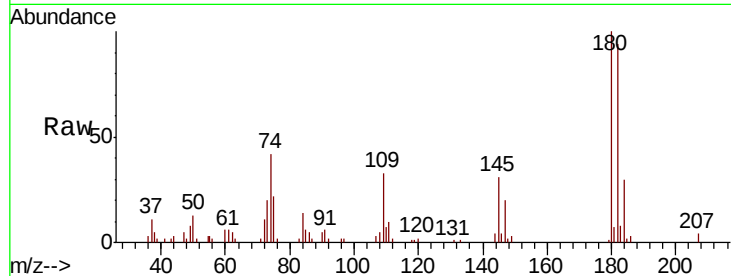




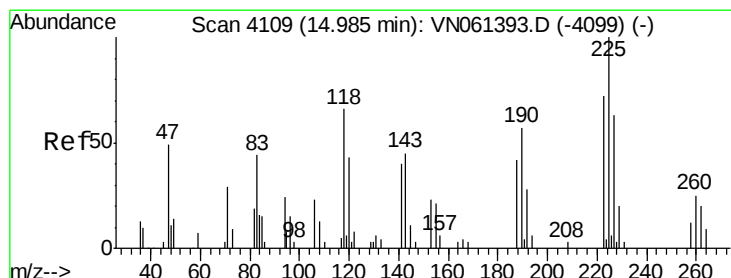
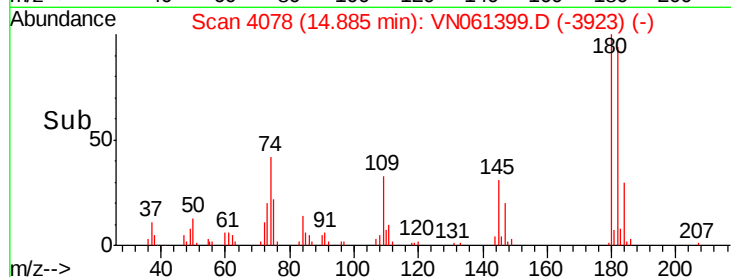
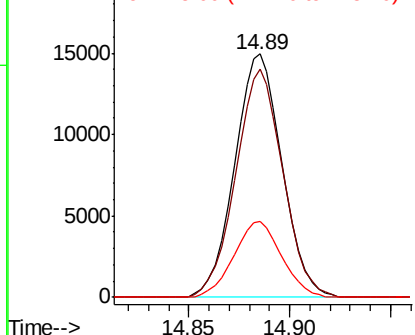
#89
 1,2,4-Trichlorobenzene
 Concen: 18.755 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 24526
 Ion Ratio Lower Upper
 180 100
 182 93.2 75.3 112.9
 145 31.4 24.8 37.2

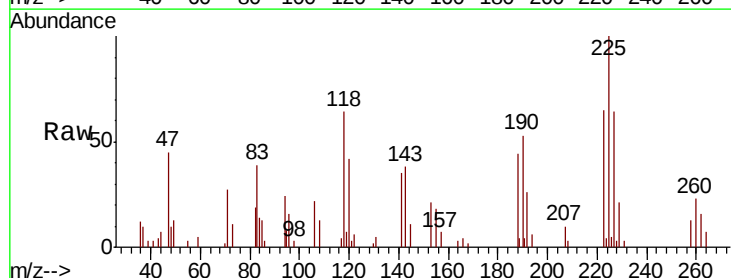


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

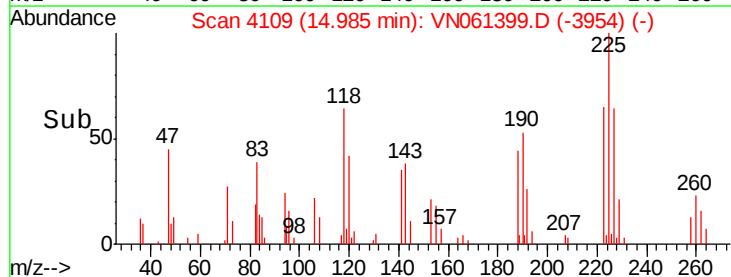
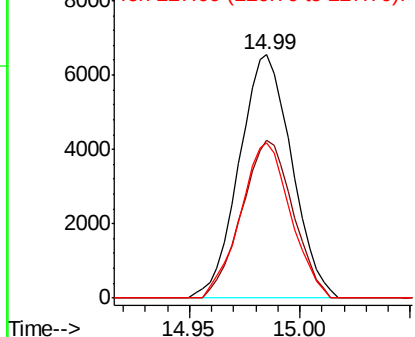


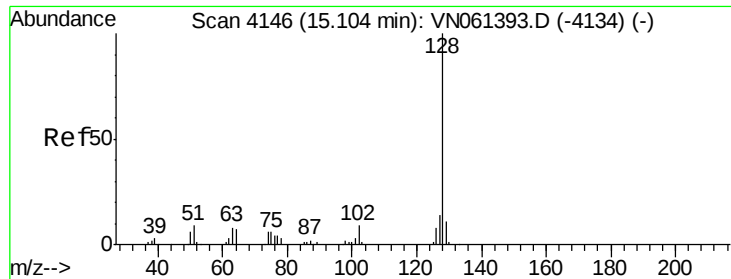
#90
 Hexachlorobutadiene
 Concen: 20.371 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN061399.D
 Acq: 14 May 2020 17:43

Tgt Ion:225 Resp: 10852
 Ion Ratio Lower Upper
 225 100
 223 63.0 0.0 126.2
 227 60.9 0.0 127.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

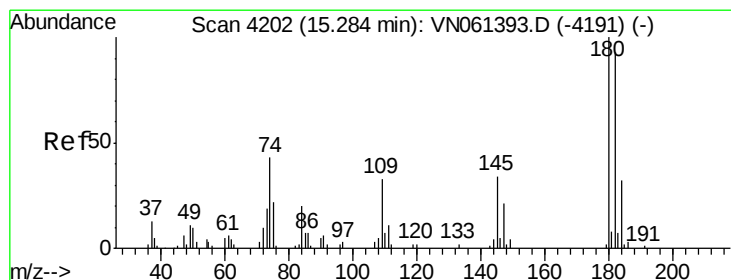
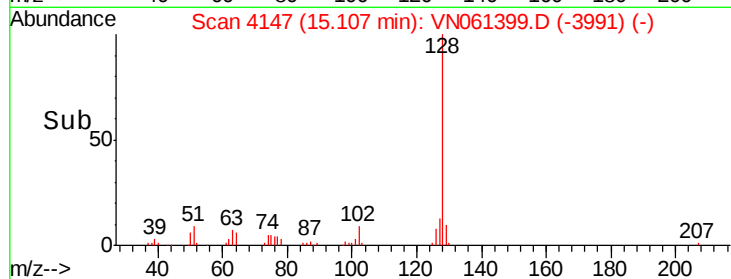
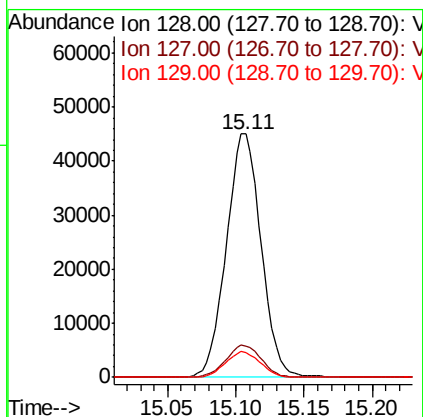
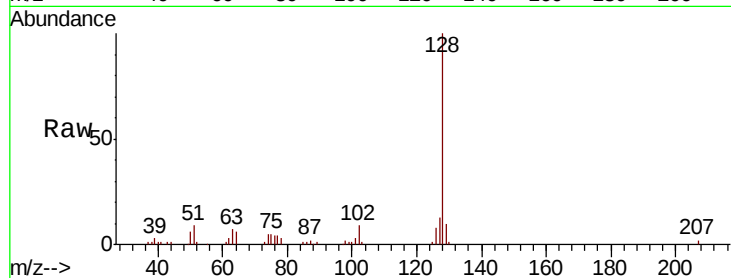




#91
Naphthalene
Concen: 19.343 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 79562
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 10.6 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 19.253 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN061399.D
Acq: 14 May 2020 17:43

Tgt Ion:180 Resp: 24453
Ion Ratio Lower Upper
180 100
182 93.6 0.0 193.4
145 33.4 0.0 65.8

