

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
 Data File : VN061005.D
 Acq On : 16 Apr 2020 11:56
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 16 12:51:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 16 12:43:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	161261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	274107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	246269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110922	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	41782	19.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.68%	
35) Dibromofluoromethane	7.56	113	32529	19.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.88%	
50) Toluene-d8	10.08	98	118097	18.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.18%	
62) 4-Bromofluorobenzene	12.39	95	46096	18.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	42276	25.555	ug/l	97
3) Chloromethane	2.04	50	59411	20.344	ug/l	98
4) Vinyl Chloride	2.17	62	49281	21.419	ug/l	97
5) Bromomethane	2.55	94	24481	23.868	ug/l	99
6) Chloroethane	2.69	64	28549	21.536	ug/l	99
7) Trichlorofluoromethane	3.00	101	61580	21.654	ug/l	100
8) Diethyl Ether	3.38	74	24007	21.108	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	34688	21.170	ug/l	99
10) Methyl Iodide	3.93	142	28871	19.594	ug/l	99
11) Tert butyl alcohol	4.72	59	36177	108.467	ug/l	99
12) 1,1-Dichloroethene	3.72	96	35936	20.527	ug/l	97
13) Acrolein	3.57	56	29019	83.543	ug/l	99
14) Allyl chloride	4.29	41	70854	22.743	ug/l	93
15) Acrylonitrile	4.94	53	103195	106.758	ug/l	99
16) Acetone	3.78	43	96994	119.125	ug/l	99
17) Carbon Disulfide	4.03	76	112079	20.994	ug/l	98
18) Methyl Acetate	4.28	43	59148	25.458	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	122558	20.296	ug/l	99
20) Methylene Chloride	4.52	84	39834	20.567	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	38569	20.674	ug/l	97
22) Diisopropyl ether	5.91	45	140921	21.518	ug/l	98
23) Vinyl Acetate	5.86	43	550476	103.595	ug/l	100
24) 1,1-Dichloroethane	5.81	63	75848	21.253	ug/l	99
25) 2-Butanone	6.80	43	141550	109.325	ug/l	99
26) 2,2-Dichloropropane	6.79	77	63544	22.283	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	43849	20.627	ug/l	99
28) Bromochloromethane	7.17	49	36107	21.257	ug/l	99
29) Tetrahydrofuran	7.17	42	96834	106.623	ug/l	99
30) Chloroform	7.34	83	70944	20.794	ug/l	99
31) Cyclohexane	7.63	56	74949	20.731	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	60680	20.710	ug/l	99
36) 1,1-Dichloropropene	7.77	75	55614	20.789	ug/l	99
37) Ethyl Acetate	6.89	43	62009	21.343	ug/l	100
38) Carbon Tetrachloride	7.75	117	46969	19.712	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	65768	20.607	ug/l	97
40) Benzene	8.02	78	167261	20.735	ug/l	99
41) Methacrylonitrile	7.17	41	86079	69.347	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	58625	21.242	ug/l	99
43) Isopropyl Acetate	8.14	43	100034	20.937	ug/l	100
44) Trichloroethene	8.81	130	41472	20.492	ug/l	100
45) 1,2-Dichloropropane	9.10	63	45500	21.335	ug/l	97
46) Dibromomethane	9.19	93	26660	20.778	ug/l	99
47) Bromodichloromethane	9.38	83	55142	20.607	ug/l	98
48) Methyl methacrylate	9.18	41	43516	20.411	ug/l	98
49) 1,4-Dioxane	9.17	88	11586	451.278	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	290844	106.784	ug/l	99
52) Toluene	10.14	92	98814	20.304	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	64449	20.953	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	69821	20.643	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	38699	20.671	ug/l	98
56) Ethyl methacrylate	10.42	69	60336	20.647	ug/l	99
57) 1,3-Dichloropropane	10.70	76	68817	21.141	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	137876	98.895	ug/l	99
59) 2-Hexanone	10.74	43	208554	106.334	ug/l	100
60) Dibromochloromethane	10.89	129	39024	20.247	ug/l	99
61) 1,2-Dibromoethane	10.99	107	39230	20.908	ug/l	99
64) Tetrachloroethene	10.62	164	37769	19.589	ug/l	97
65) Chlorobenzene	11.42	112	100711	20.509	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	36674	20.658	ug/l	99
67) Ethyl Benzene	11.50	91	188449	20.635	ug/l	99
68) m/p-Xylenes	11.61	106	137213	40.594	ug/l	99
69) o-Xylene	11.94	106	66215	20.526	ug/l	99
70) Styrene	11.96	104	106893	20.238	ug/l	99
71) Bromoform	12.12	173	27393	20.704	ug/l #	99
73) Isopropylbenzene	12.24	105	177402	21.190	ug/l	100
74) N-amyl acetate	12.06	43	82663	21.279	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	55985	21.999	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	75227	31.316	ug/l #	100
77) Bromobenzene	12.52	156	41870	20.834	ug/l	98
78) n-propylbenzene	12.58	91	209653	21.128	ug/l	100
79) 2-Chlorotoluene	12.67	91	122540	20.749	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	148198	20.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	19105	20.320	ug/l	99
82) 4-Chlorotoluene	12.77	91	127006	21.067	ug/l	100
83) tert-Butylbenzene	12.99	119	124028	21.039	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	148563	21.137	ug/l	99
85) sec-Butylbenzene	13.17	105	166914	21.005	ug/l	100
86) p-Isopropyltoluene	13.28	119	149179	20.897	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	73659	20.706	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	73788	20.675	ug/l	98
89) n-Butylbenzene	13.61	91	135696	20.950	ug/l	100
90) Hexachloroethane	13.87	117	22555	21.670	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	70581	20.810	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10783	18.911	ug/l	98

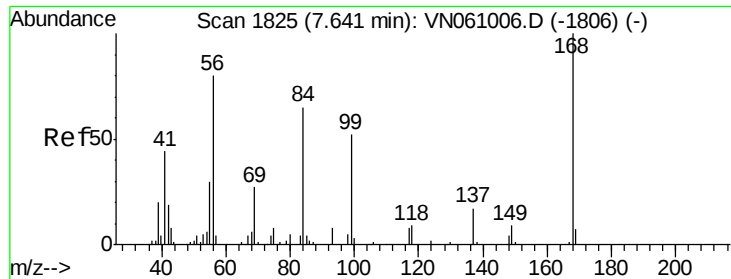
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041620\
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Acq On : 16 Apr 2020 11:56
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	42942	20.629	ug/l	98
94) Hexachlorobutadiene	15.00	225	20999	20.407	ug/l	100
95) Naphthalene	15.13	128	125769	20.192	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	41030	20.007	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

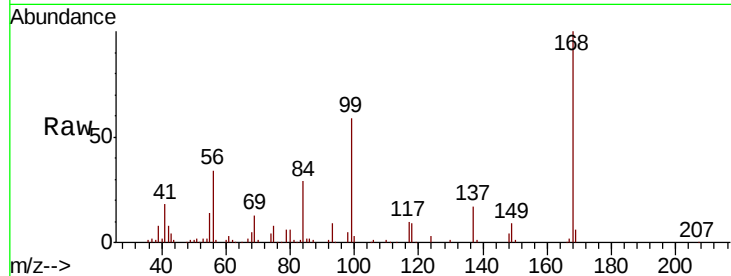
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:168 Resp: 161261

Ion Ratio Lower Upper

168 100

99 58.8 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

60000

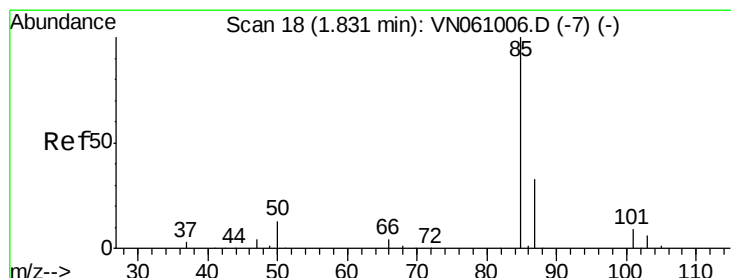
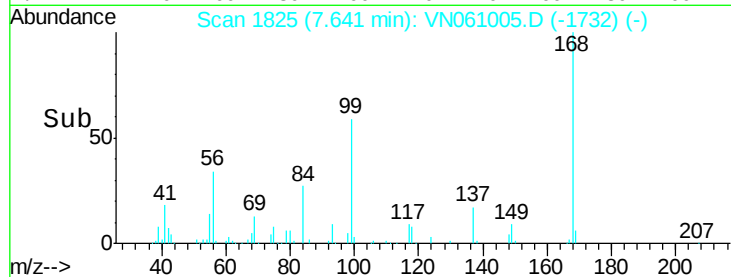
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 25.555 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN061005.D

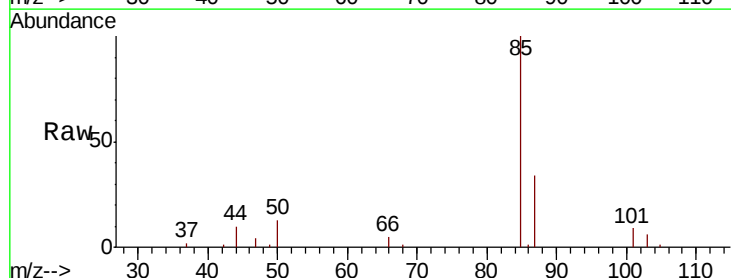
Acq: 16 Apr 2020 11:56

Tgt Ion: 85 Resp: 42276

Ion Ratio Lower Upper

85 100

87 34.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

30000

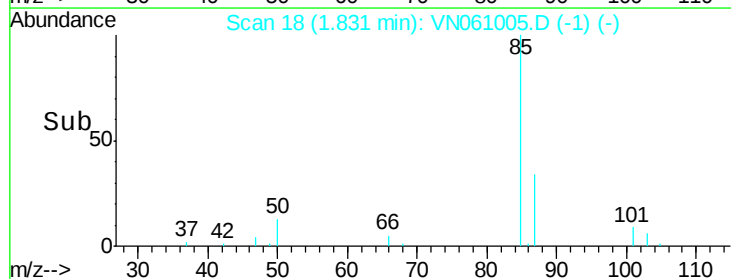
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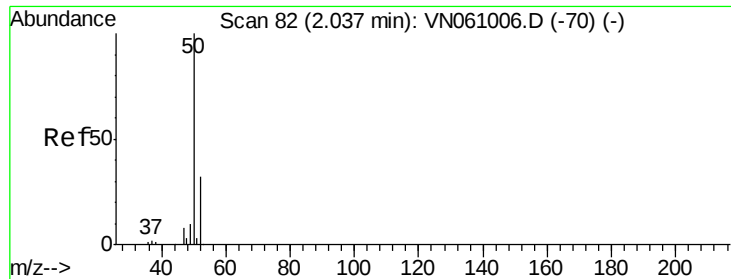
10000

0

1.80 1.85 1.90

Time-->

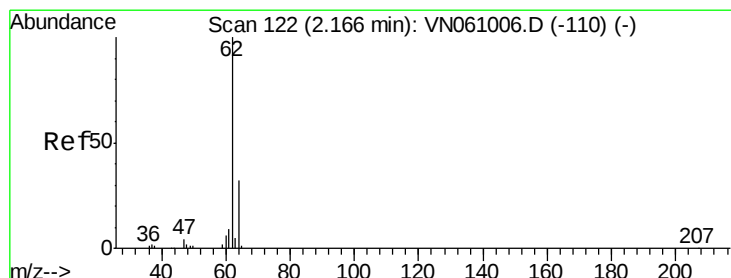
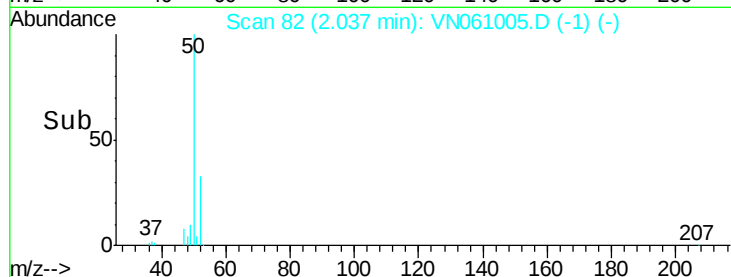
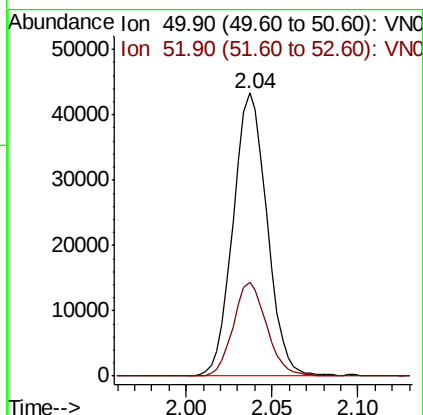
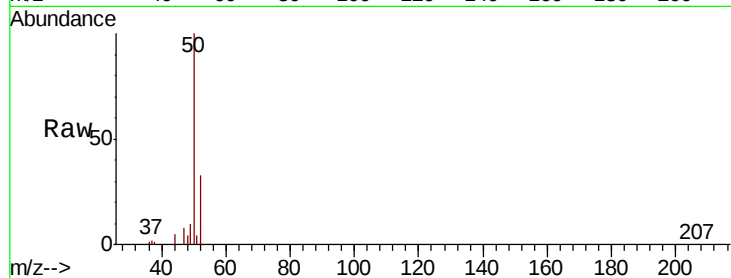




#3
Chloromethane
Concen: 20.344 ug/l
RT: 2.04 min Scan# 82
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

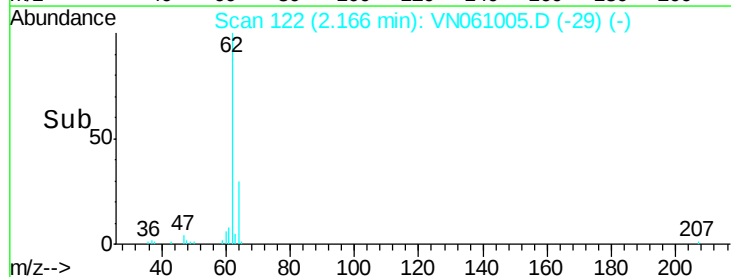
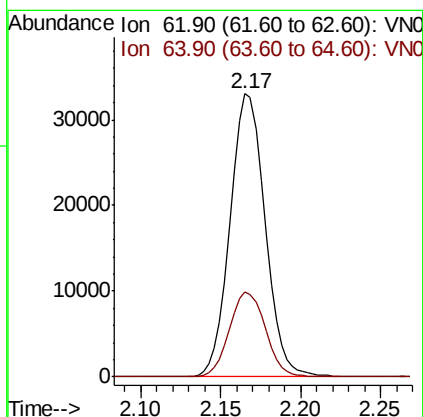
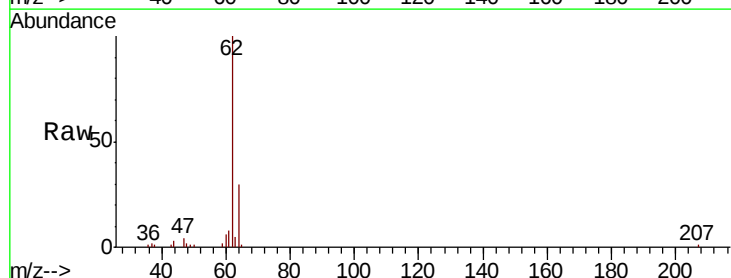
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

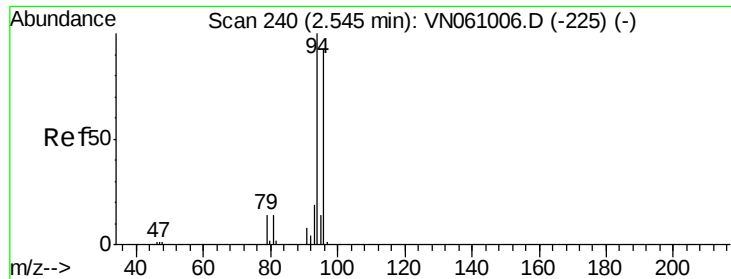
Tot Ion: 50 Resp: 59411
Ion Ratio Lower Upper
50 100
52 33.1 25.6 38.4



#4
Vinyl Chloride
Concen: 21.419 ug/l
RT: 2.17 min Scan# 122
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 62 Resp: 49281
Ion Ratio Lower Upper
62 100
64 30.1 25.4 38.0

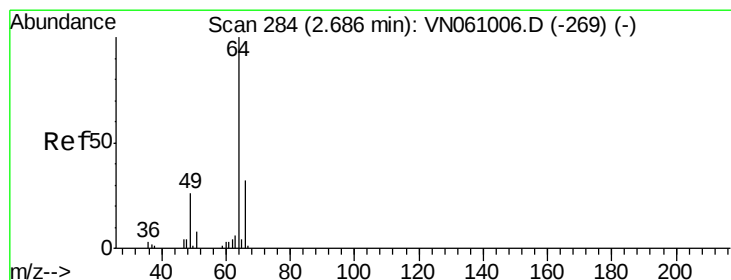
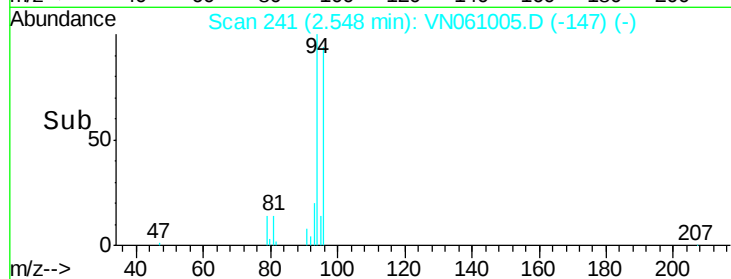
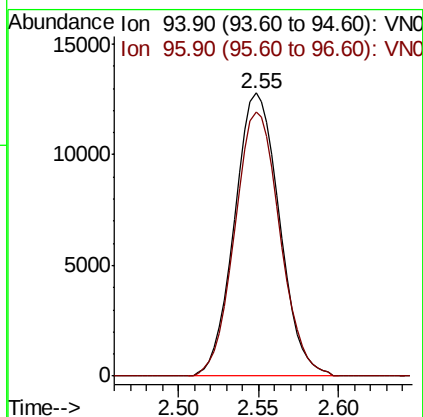
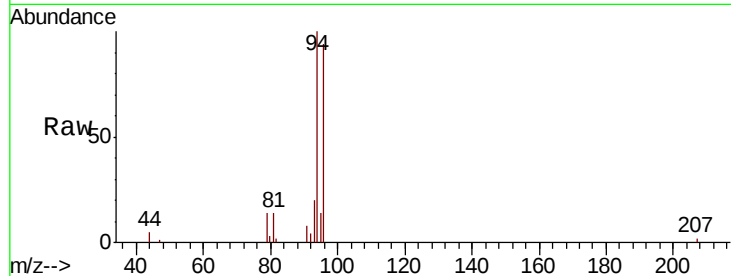




#5
Bromomethane
Concen: 23.868 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

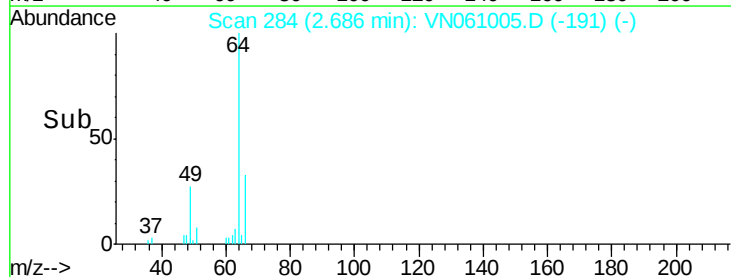
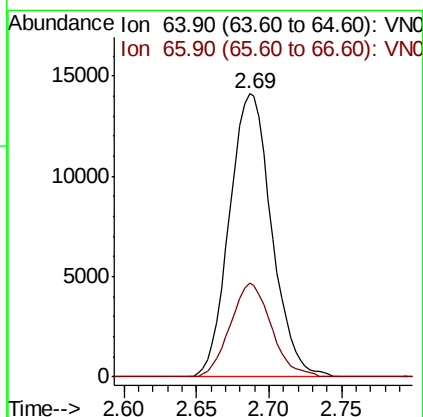
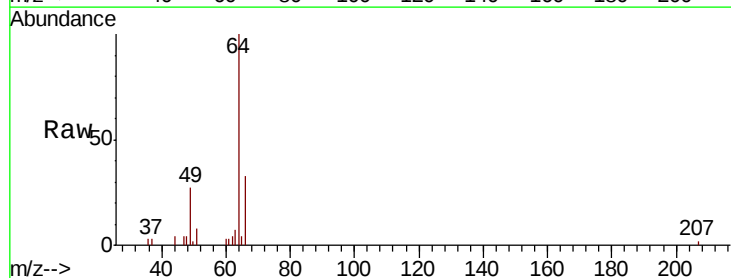
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

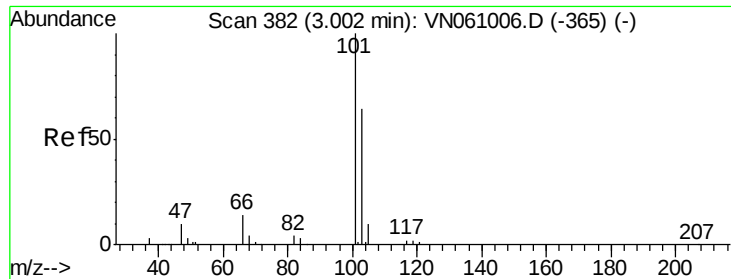
Tot Ion: 94 Resp: 24481
Ion Ratio Lower Upper
94 100
96 93.6 74.3 111.5



#6
Chloroethane
Concen: 21.536 ug/l
RT: 2.69 min Scan# 284
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 64 Resp: 28549
Ion Ratio Lower Upper
64 100
66 33.1 25.8 38.8



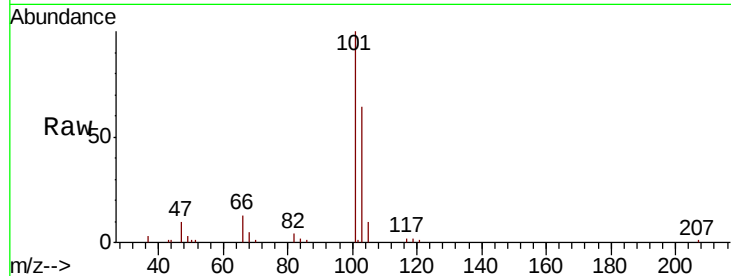


#7

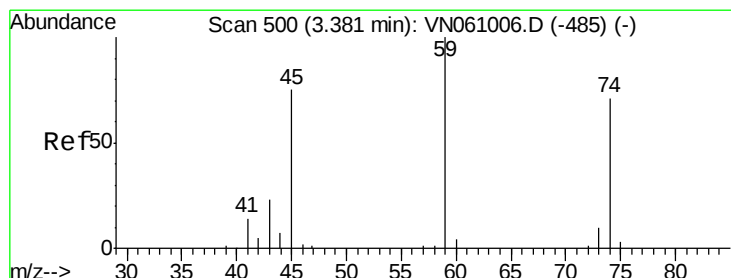
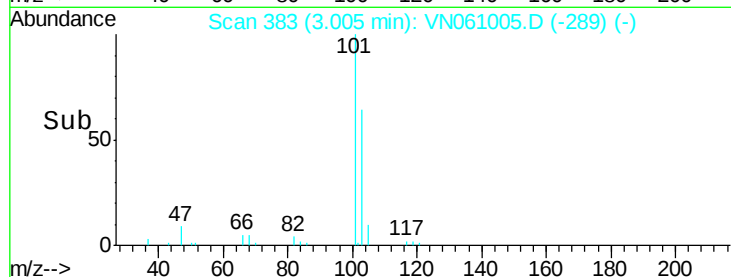
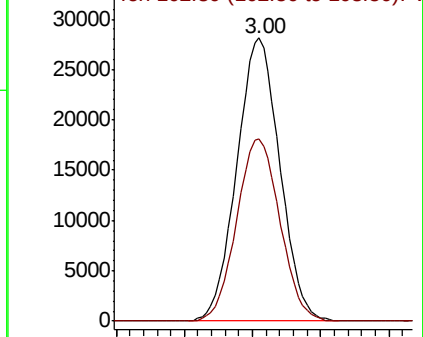
Trichlorofluoromethane
 Concen: 21.654 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:101 Resp: 61580
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.4 77.2



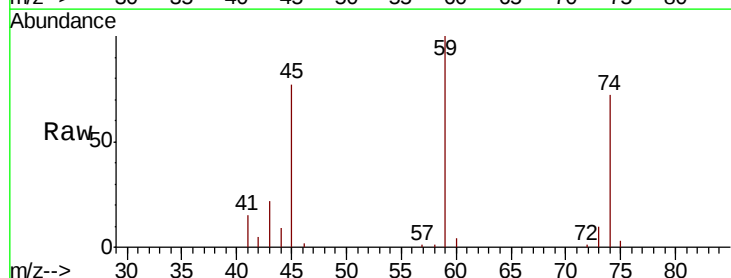
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



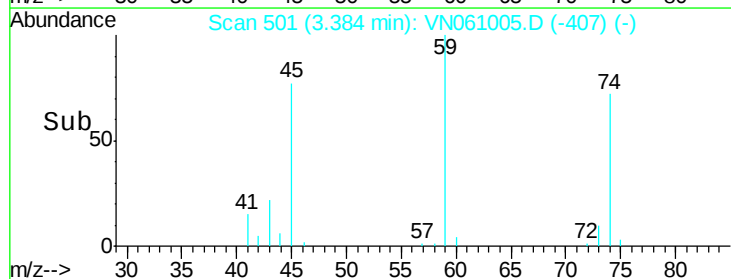
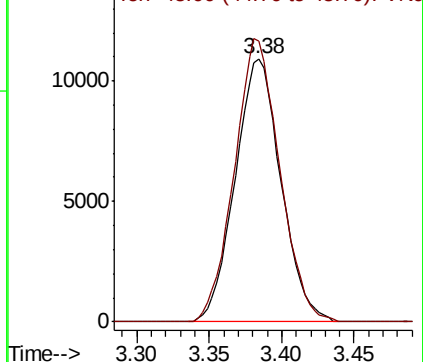
#8

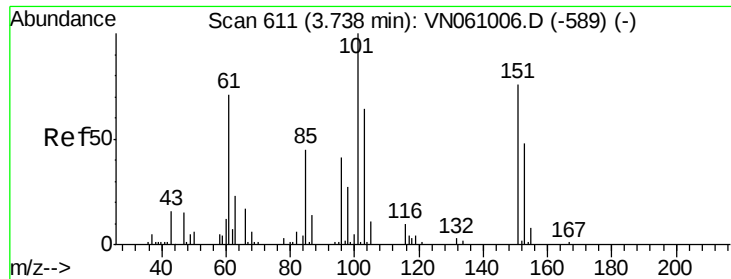
Diethyl Ether
 Concen: 21.108 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion: 74 Resp: 24007
 Ion Ratio Lower Upper
 74 100
 45 106.6 52.9 158.8



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.170 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

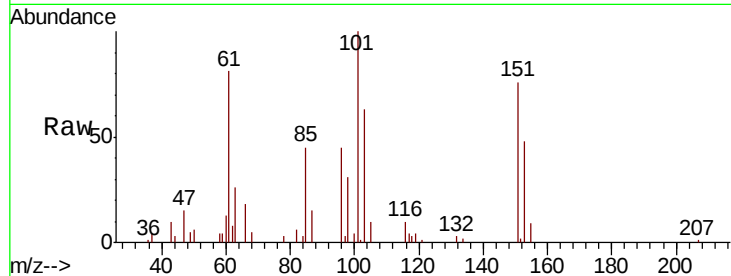
Tot Ion:101 Resp: 34688

Ion Ratio Lower Upper

101 100

85 44.1 35.9 53.9

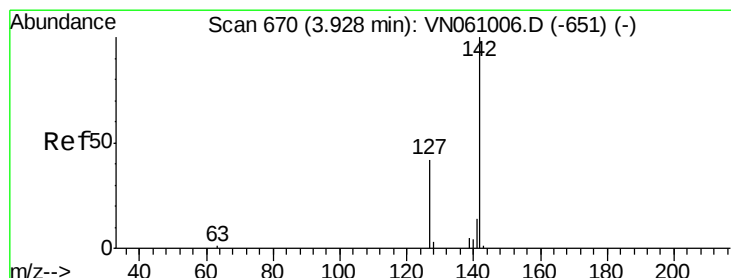
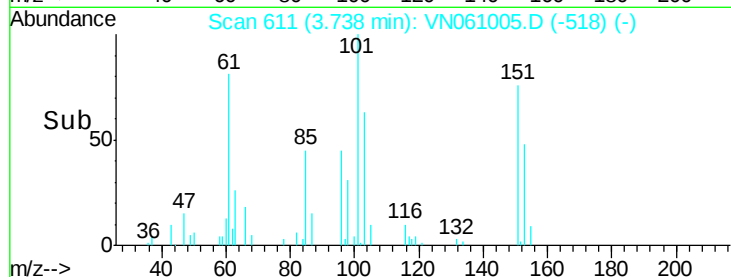
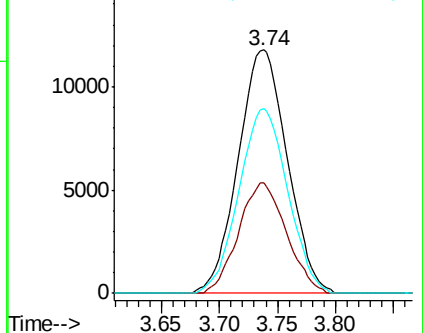
151 75.5 60.8 91.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.594 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

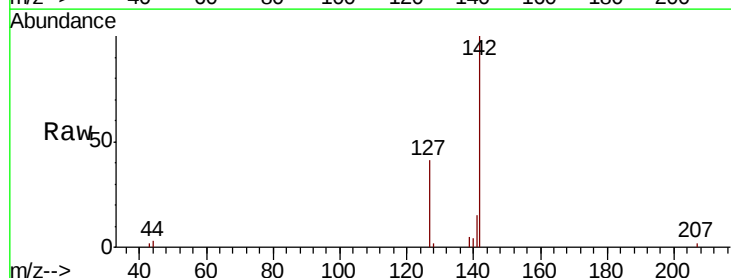
Tgt Ion:142 Resp: 28871

Ion Ratio Lower Upper

142 100

127 41.0 33.4 50.2

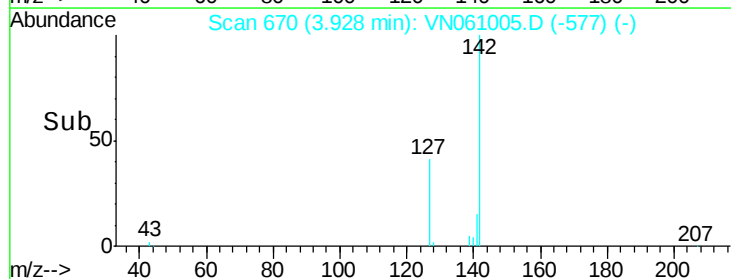
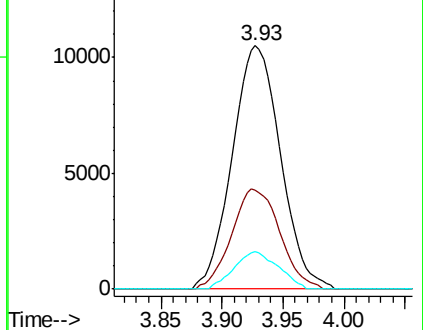
141 14.1 11.0 16.6

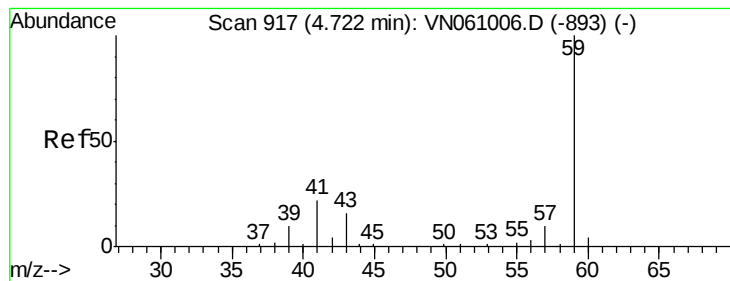


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



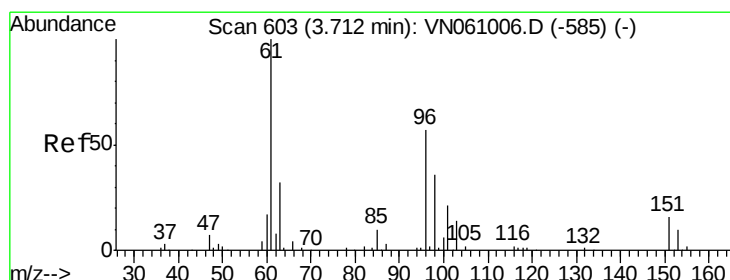
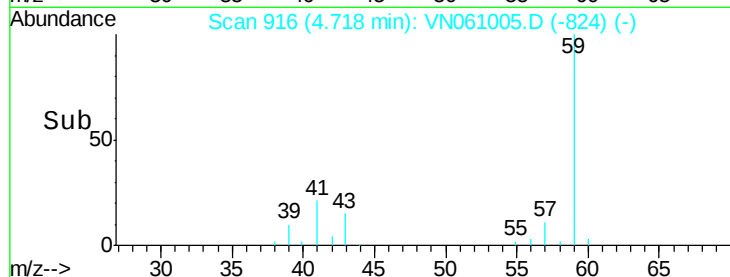
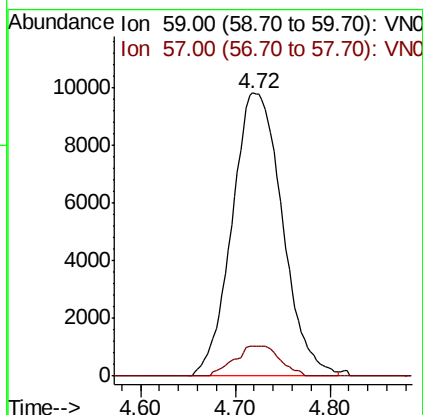
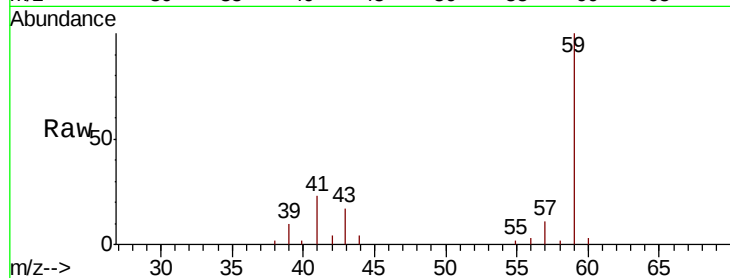


#11

Tert butyl alcohol
 Concen: 108.467 ug/l
 RT: 4.72 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

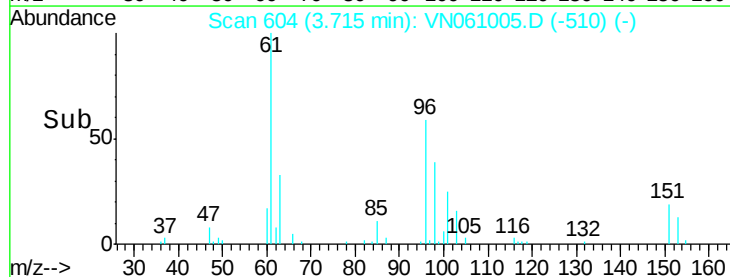
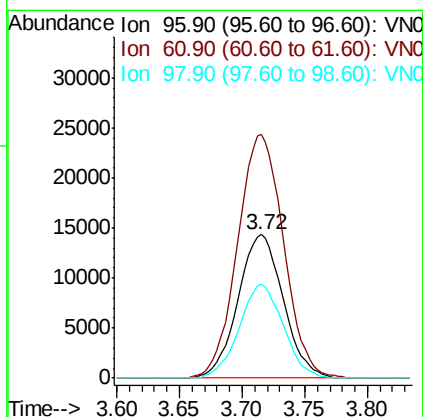
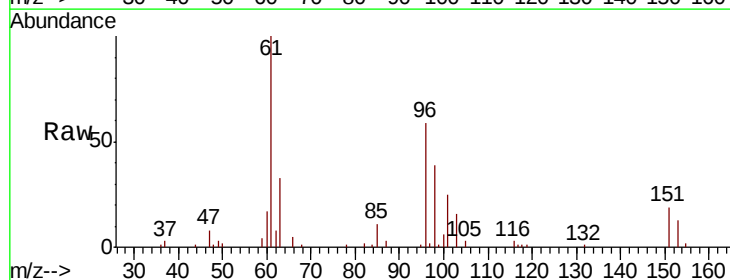
Tot Ion: 59 Resp: 36177
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.1 12.1

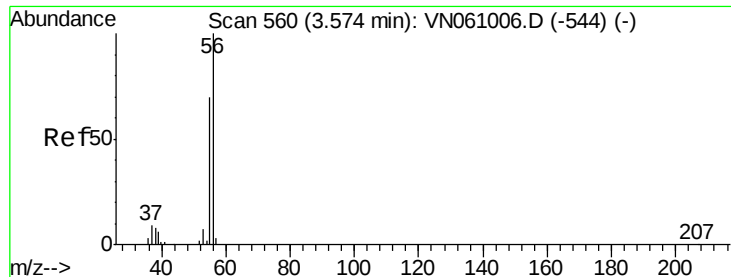


#12

1,1-Dichloroethene
 Concen: 20.527 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion: 96 Resp: 35936
 Ion Ratio Lower Upper
 96 100
 61 169.4 139.2 208.8
 98 65.4 50.0 75.0





#13

Acrolein

Concen: 83.543 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

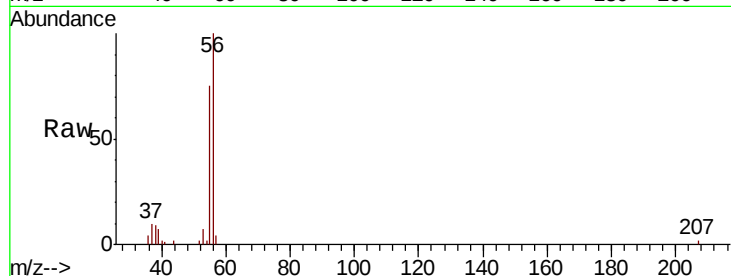
VSTDIC020

Tot Ion: 56 Resp: 29019

Ion Ratio Lower Upper

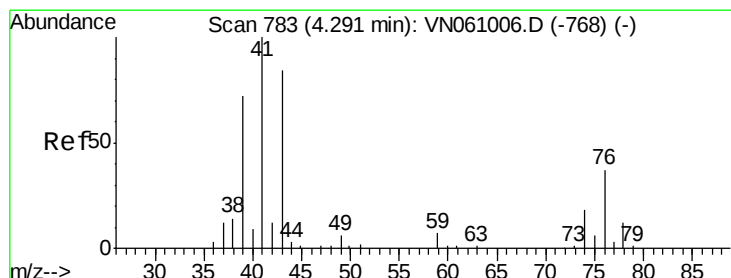
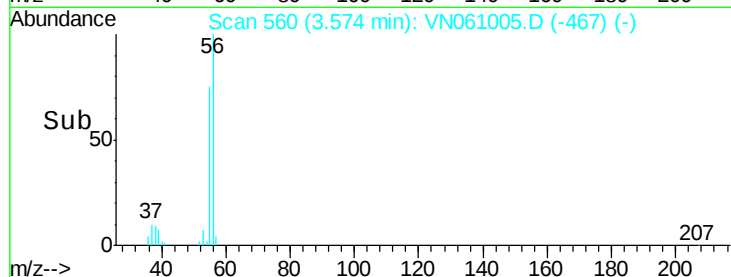
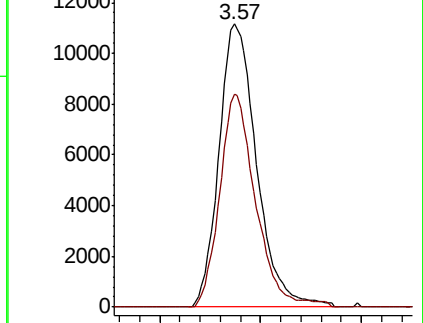
56 100

55 71.8 57.0 85.6



Abundance Ion 56.00 (55.70 to 56.70): VN061005.D (-467) (-)

Ion 55.00 (54.70 to 55.70): VN061005.D (-467) (-)



#14

Allyl chloride

Concen: 22.743 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

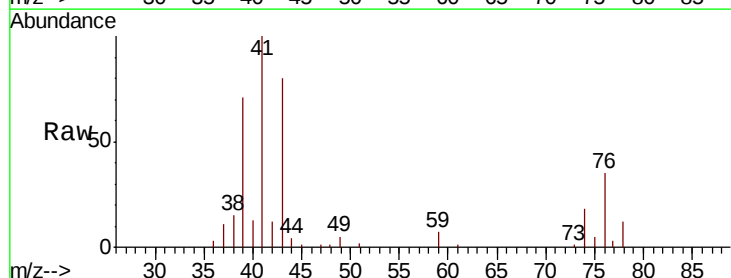
Tgt Ion: 41 Resp: 70854

Ion Ratio Lower Upper

41 100

39 64.6 56.3 84.5

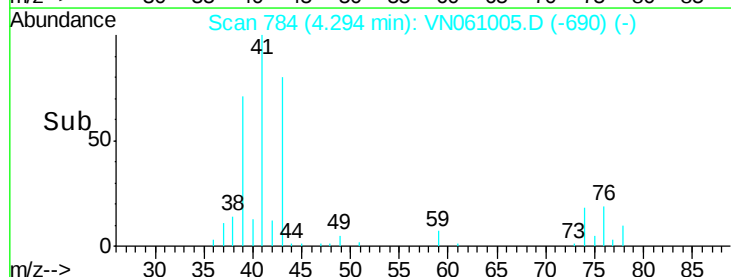
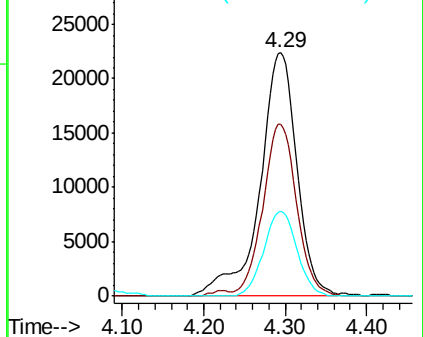
76 31.3 27.7 41.5

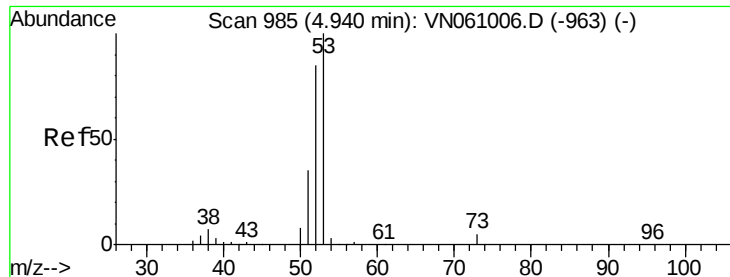


Abundance Ion 41.00 (40.70 to 41.70): VN061005.D (-690) (-)

Ion 39.00 (38.70 to 39.70): VN061005.D (-690) (-)

Ion 75.90 (75.60 to 76.60): VN061005.D (-690) (-)





#15

Acrylonitrile

Concen: 106.758 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

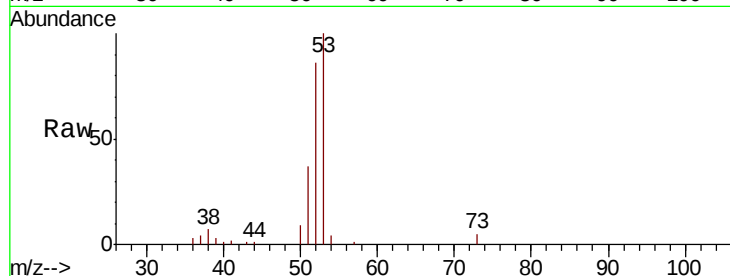
Tot Ion: 53 Resp: 103195

Ion Ratio Lower Upper

53 100

52 81.7 66.8 100.2

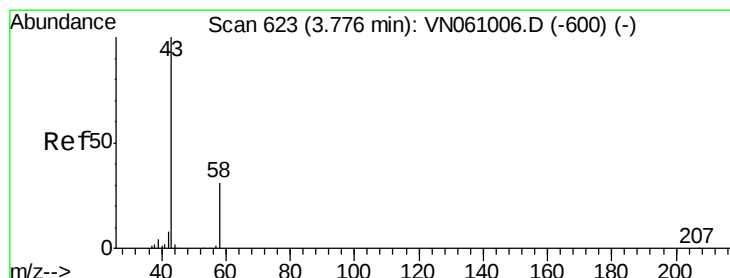
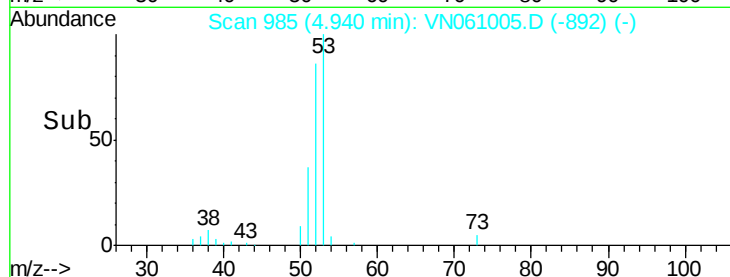
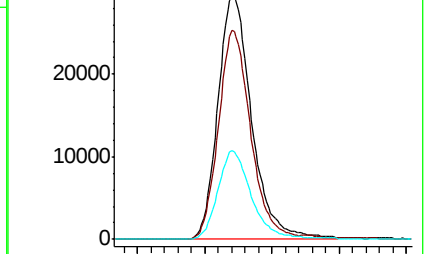
51 36.0 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN061005.D (-892) (-)

Ion 52.00 (51.70 to 52.70): VN061005.D (-892) (-)

Ion 51.00 (50.70 to 51.70): VN061005.D (-892) (-)



#16

Acetone

Concen: 119.125 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.00 min

Lab File: VN061005.D

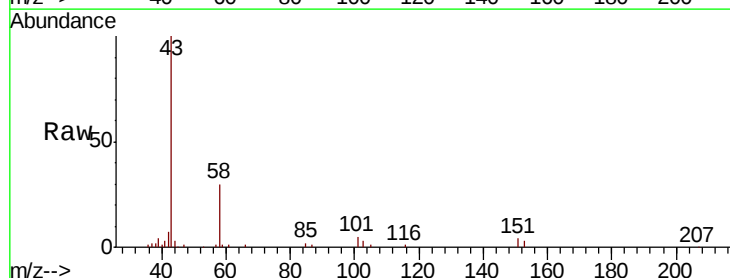
Acq: 16 Apr 2020 11:56

Tgt Ion: 43 Resp: 96994

Ion Ratio Lower Upper

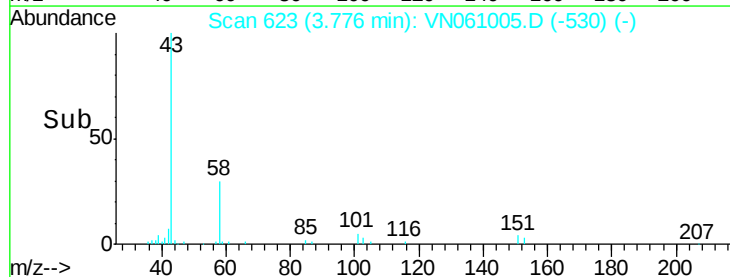
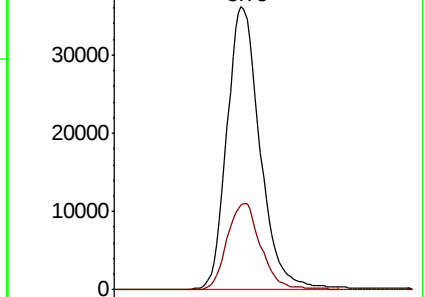
43 100

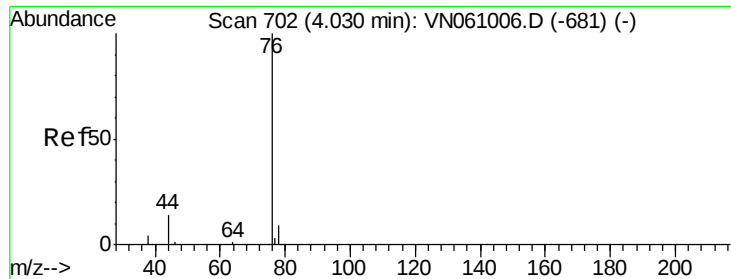
58 30.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VN061005.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN061005.D (-530) (-)

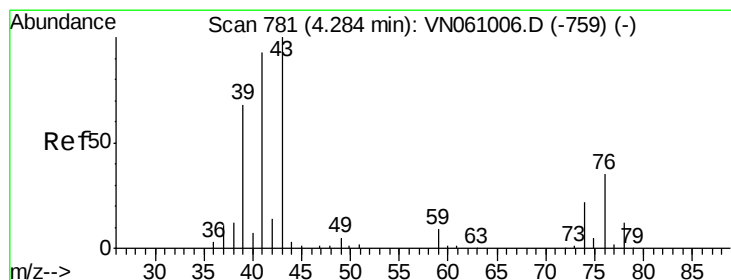
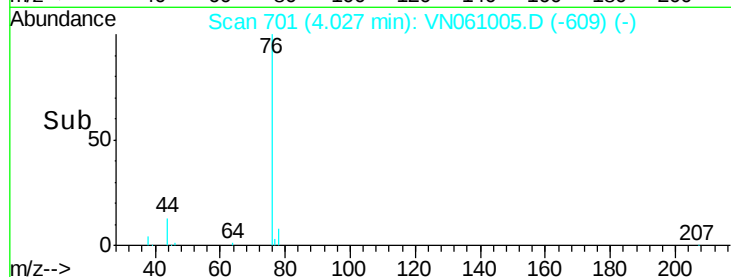
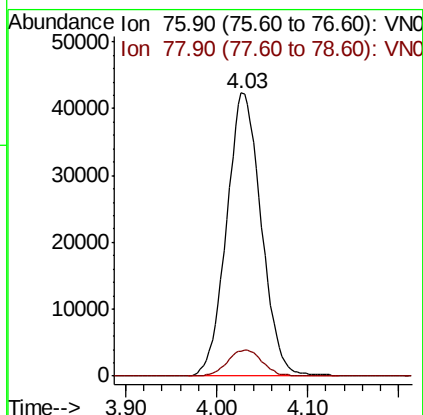
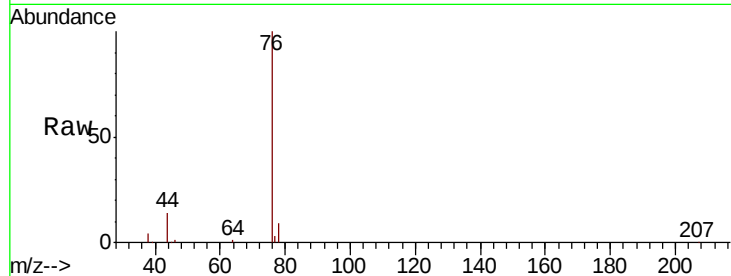




#17
Carbon Disulfide
Concen: 20.994 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

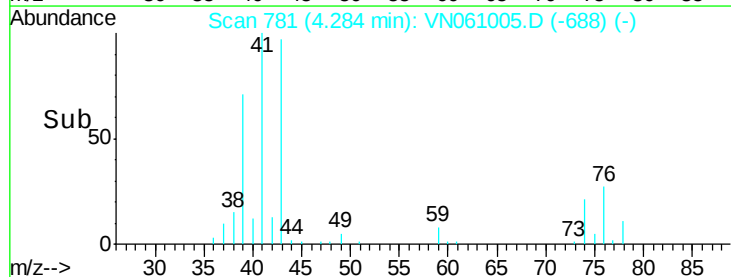
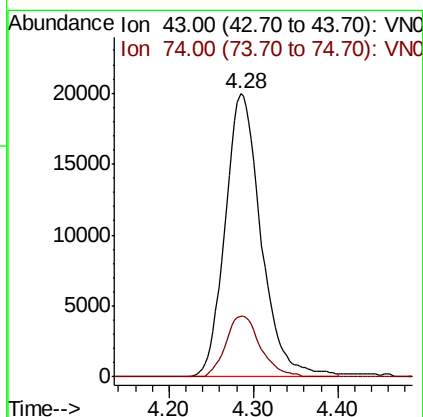
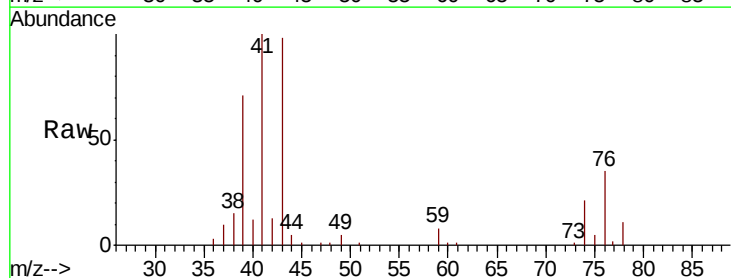
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

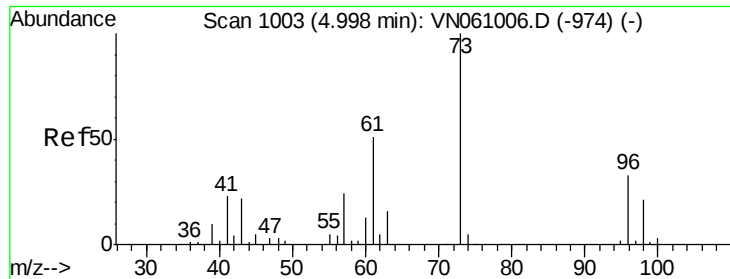
Tot Ion: 76 Resp: 112079
Ion Ratio Lower Upper
76 100
78 8.9 7.6 11.4



#18
Methyl Acetate
Concen: 25.458 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 43 Resp: 59148
Ion Ratio Lower Upper
43 100
74 20.7 17.4 26.0

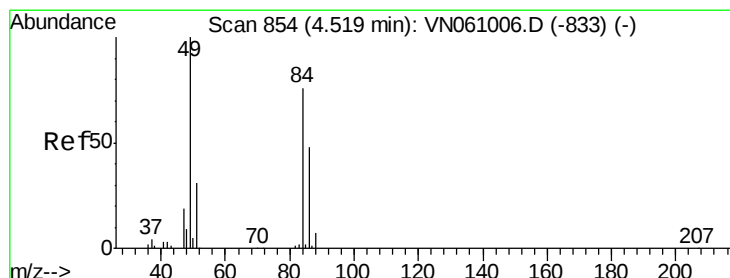
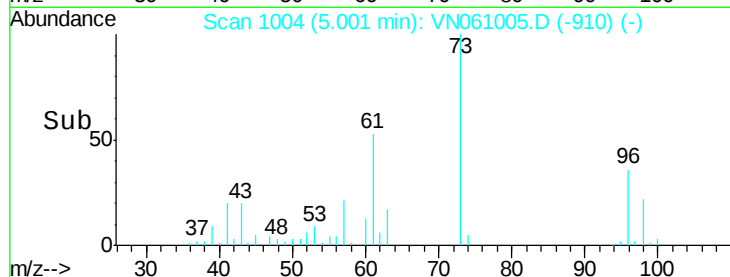
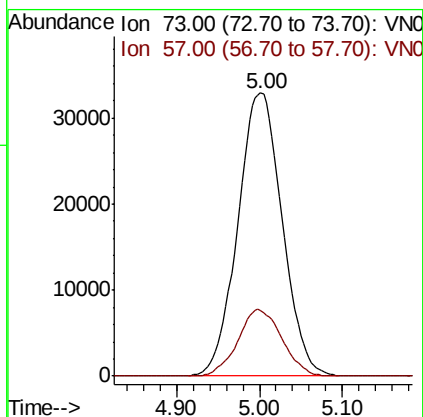
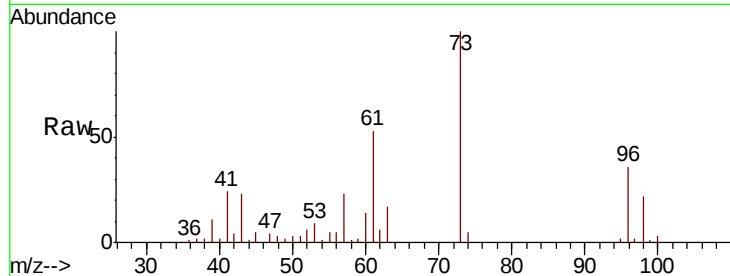




#19
Methvl tert-butvl Ether
Concen: 20.296 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

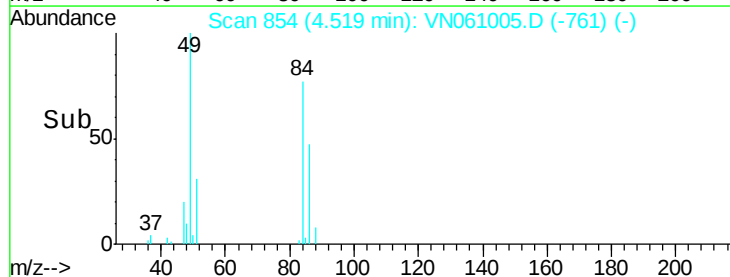
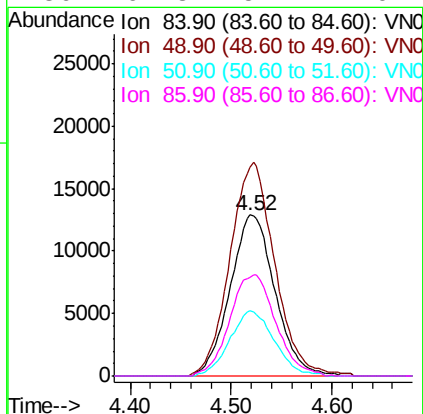
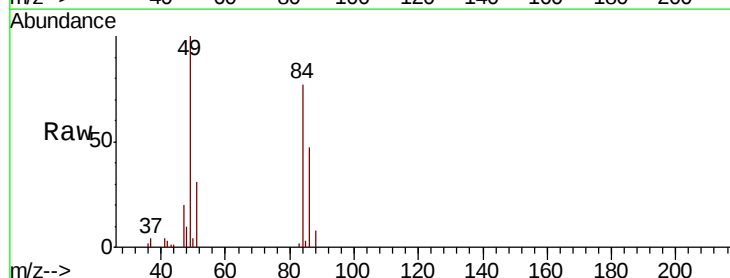
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

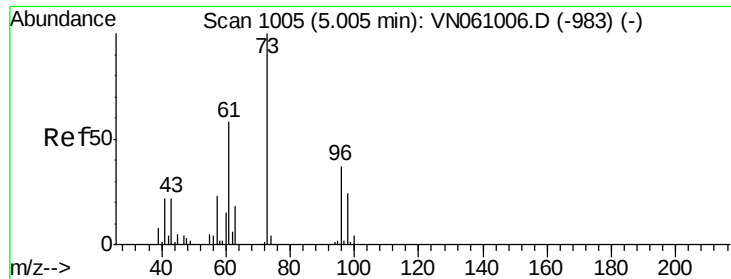
Tot Ion: 73 Resp: 122558
Ion Ratio Lower Upper
73 100
57 23.2 19.0 28.4



#20
Methylene Chloride
Concen: 20.567 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 84 Resp: 39834
Ion Ratio Lower Upper
84 100
49 129.6 105.8 158.6
51 40.8 32.4 48.6
86 61.3 51.1 76.7

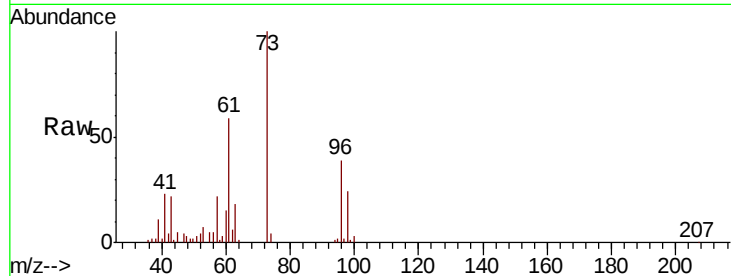




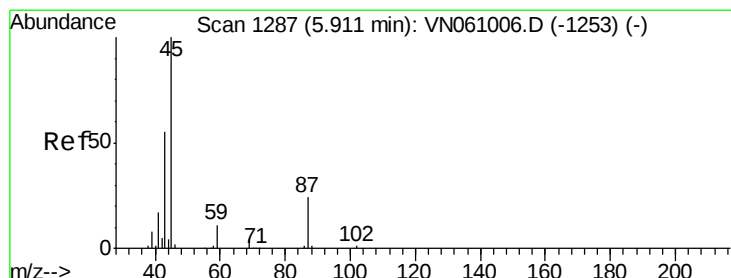
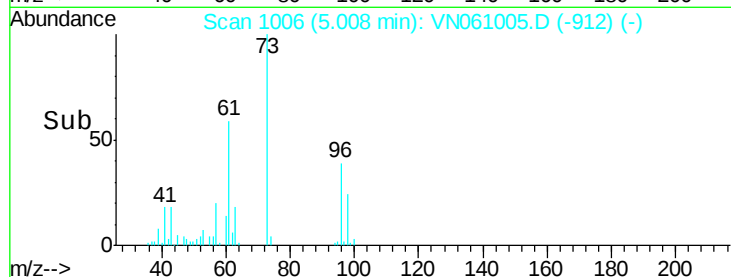
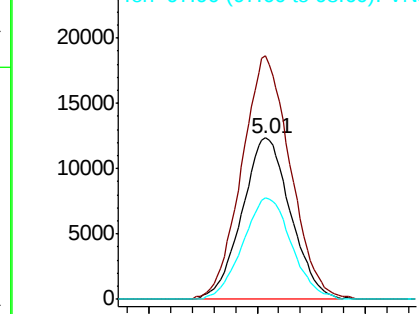
#21
trans-1,2-Dichloroethene
Concen: 20.674 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 38569
Ion Ratio Lower Upper
96 100
61 151.2 124.8 187.2
98 62.7 51.3 76.9

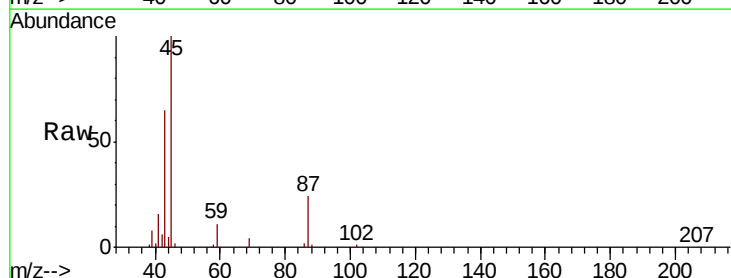


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

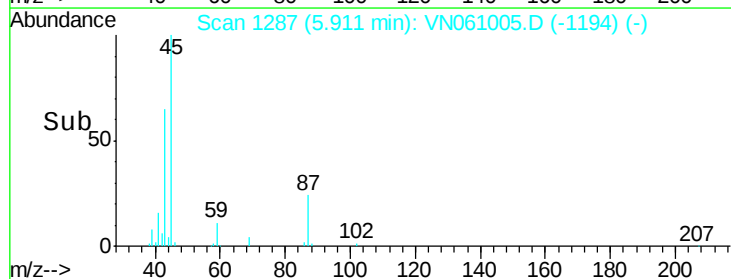
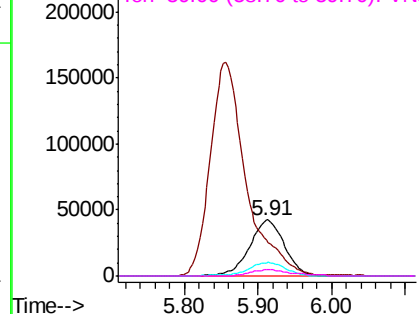


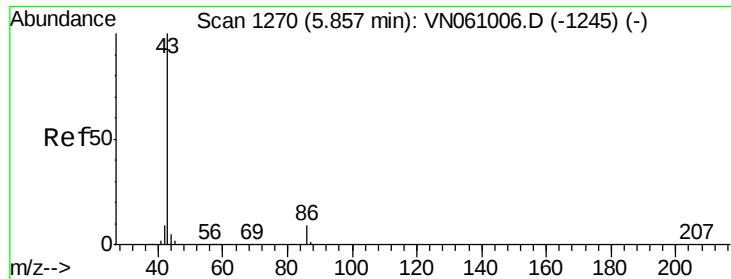
#22
Diisopropyl ether
Concen: 21.518 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 45 Resp: 140921
Ion Ratio Lower Upper
45 100
43 63.2 48.6 72.8
87 24.1 19.4 29.2
59 11.0 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

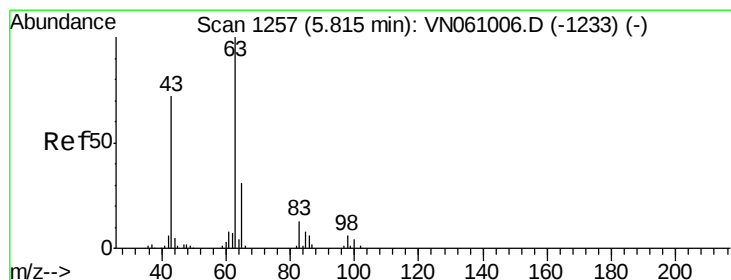
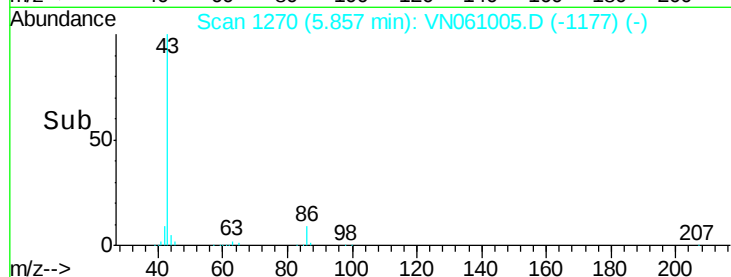
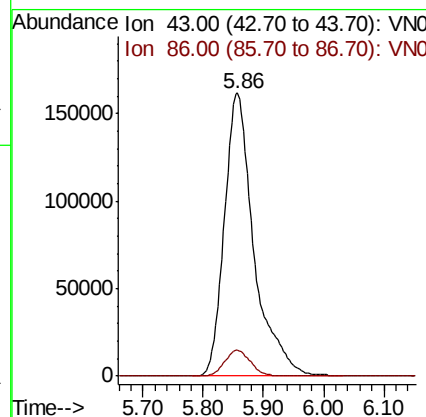
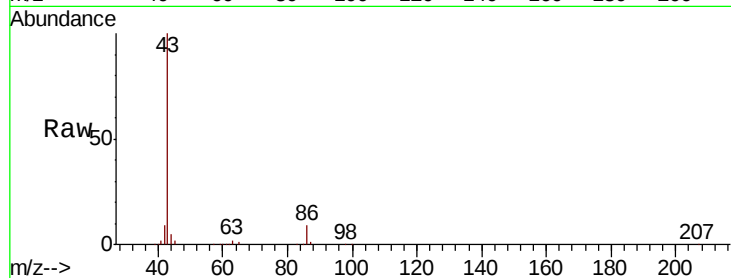




#23
 Vinyl Acetate
 Concen: 103.595 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

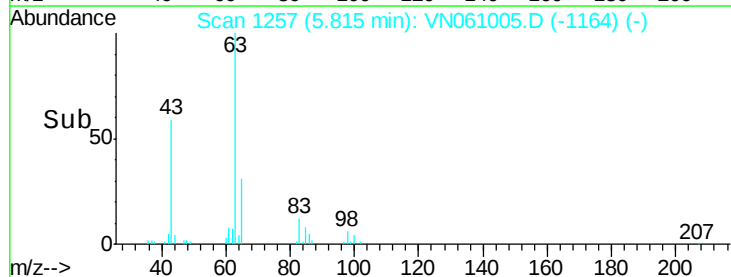
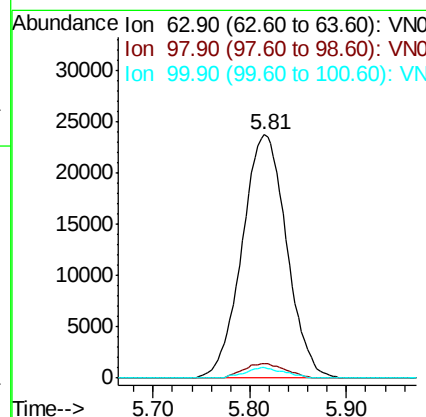
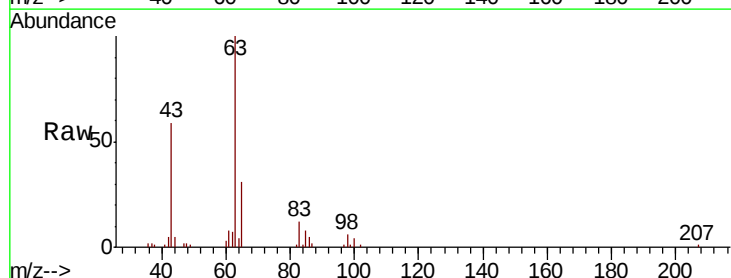
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

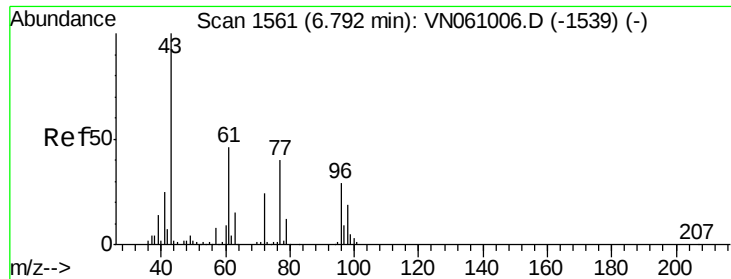
Tot Ion: 43 Resp: 550476
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.3 10.9



#24
 1,1-Dichloroethane
 Concen: 21.253 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion: 63 Resp: 75848
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.8
 100 4.2 2.0 5.8

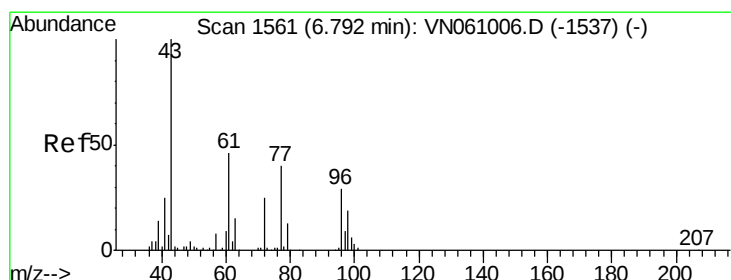
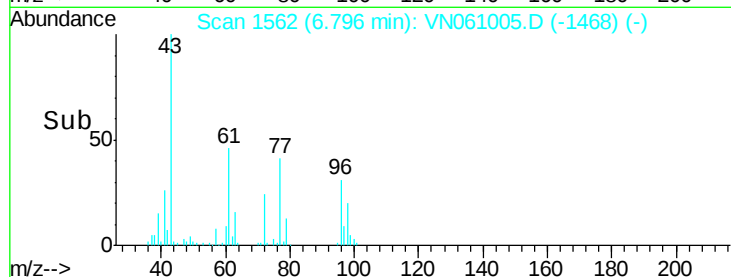
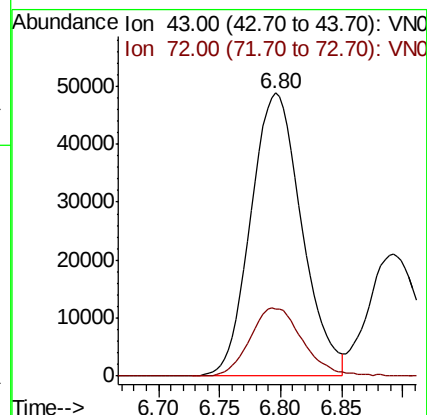
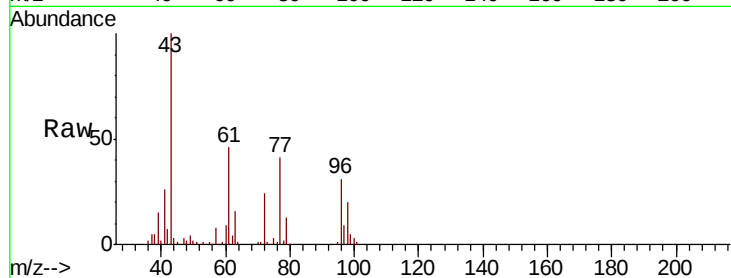




#25
2-Butanone
Concen: 109.325 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

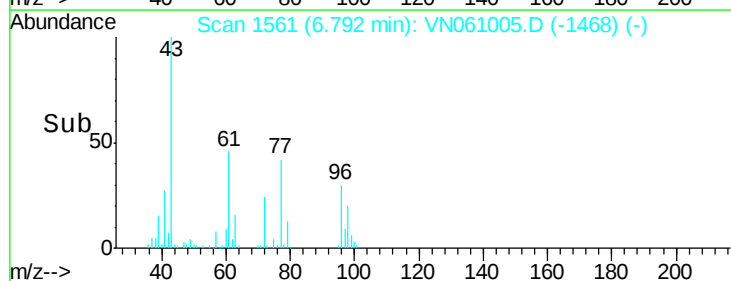
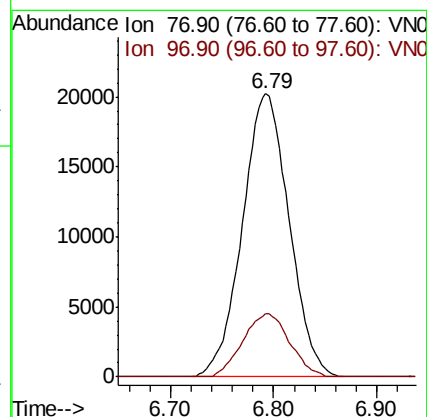
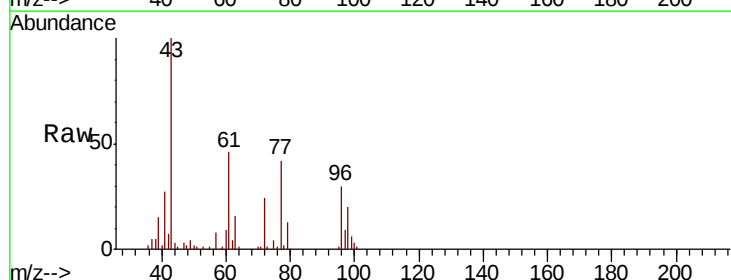
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

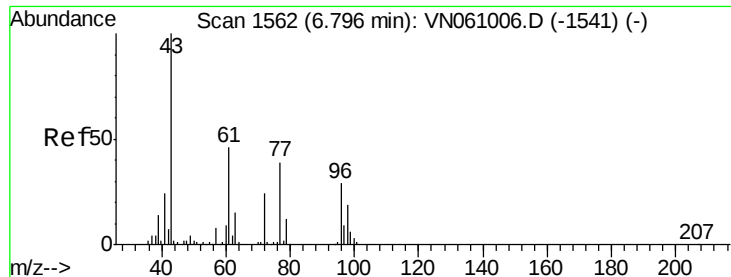
Tot Ion: 43 Resp: 141550
Ion Ratio Lower Upper
43 100
72 23.9 19.6 29.4



#26
2,2-Dichloropropane
Concen: 22.283 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 77 Resp: 63544
Ion Ratio Lower Upper
77 100
97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.627 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

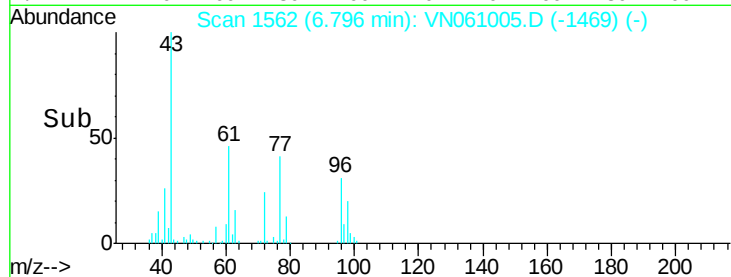
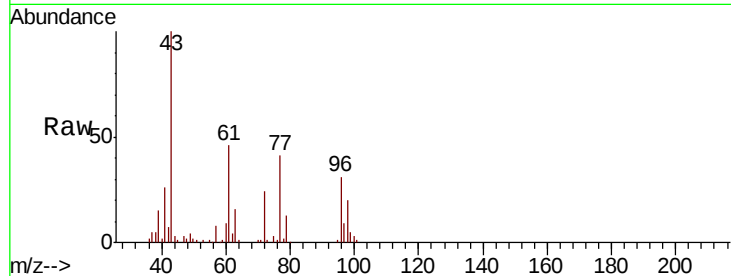
Tot Ion: 96 Resp: 43849

Ion Ratio Lower Upper

96 100

61 156.4 0.0 317.4

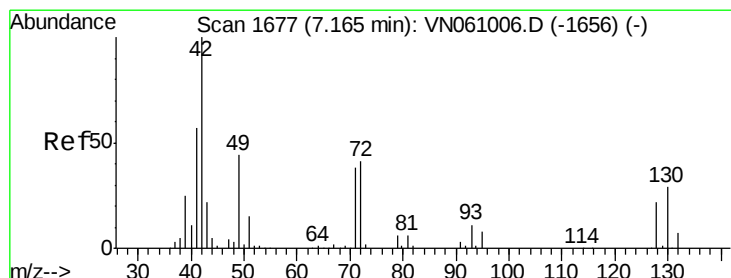
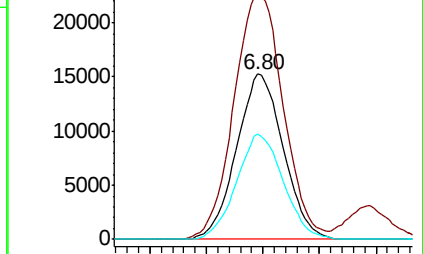
98 63.8 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN061005.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN061005.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN061005.D (-1469) (-)



#28

Bromochloromethane

Concen: 21.257 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

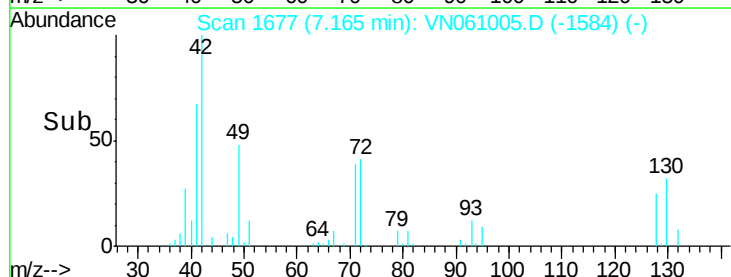
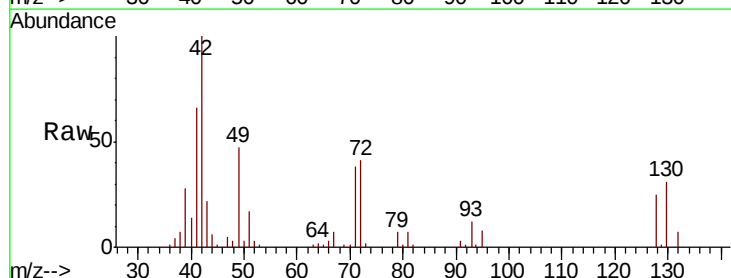
Tgt Ion: 49 Resp: 36107

Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.0

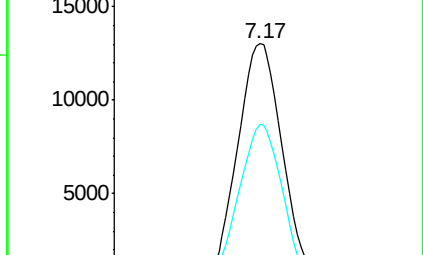
130 65.6 52.9 79.3

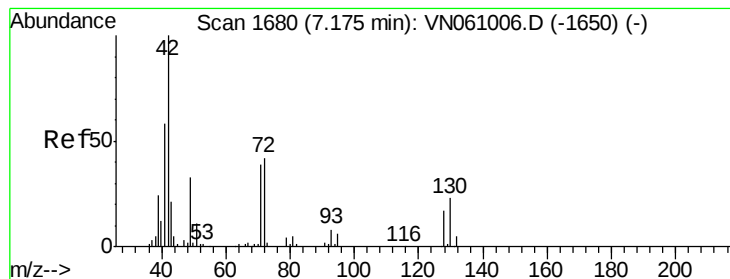


Abundance Ion 48.90 (48.60 to 49.60): VN061005.D (-1584) (-)

Ion 128.80 (128.50 to 129.50): VN061005.D (-1584) (-)

Ion 129.80 (129.50 to 130.50): VN061005.D (-1584) (-)





#29

Tetrahydrofuran

Concen: 106.623 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

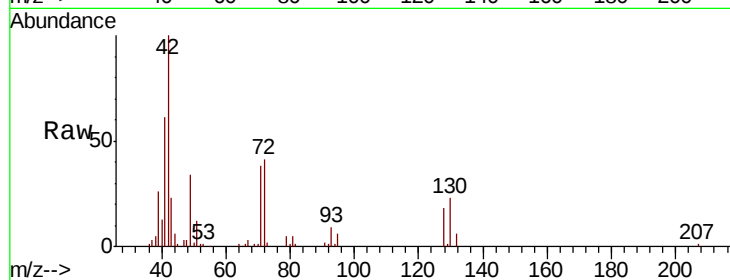
Tot Ion: 42 Resp: 96834

Ion Ratio Lower Upper

42 100

72 39.7 32.1 48.1

71 37.4 30.5 45.7

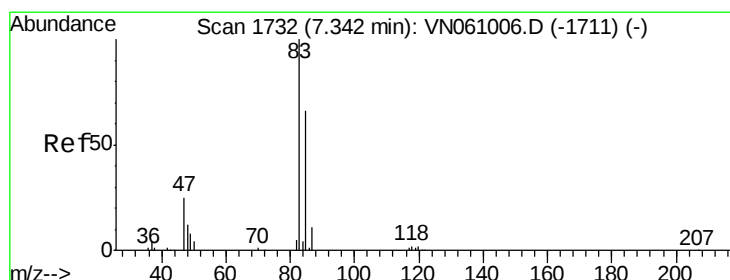
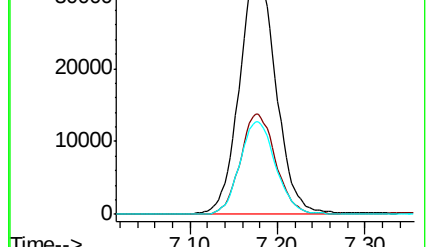
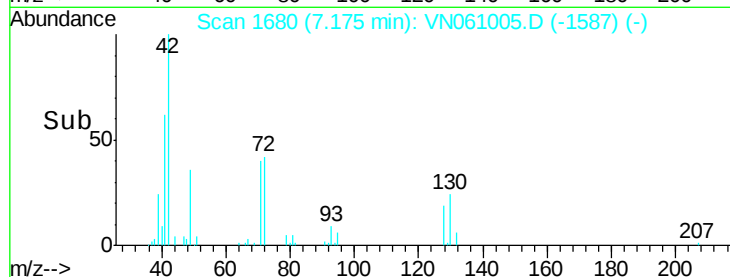


Abundance Ion 42.00 (41.70 to 42.70): VN061006.D (-1650) (-)

Ion 72.00 (71.70 to 72.70): VN061006.D (-1650) (-)

Ion 71.00 (70.70 to 71.70): VN061006.D (-1650) (-)

Time-->



#30

Chloroform

Concen: 20.794 ug/l

RT: 7.34 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VN061005.D

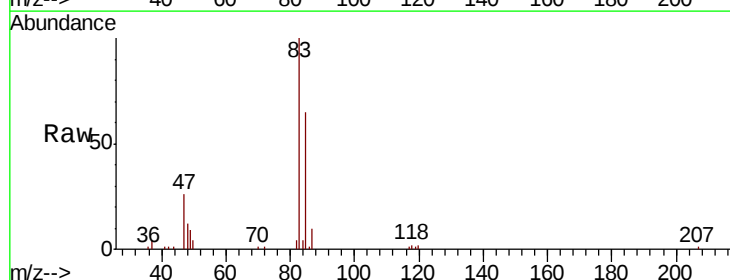
Acq: 16 Apr 2020 11:56

Tgt Ion: 83 Resp: 70944

Ion Ratio Lower Upper

83 100

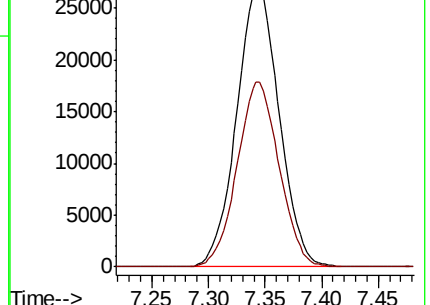
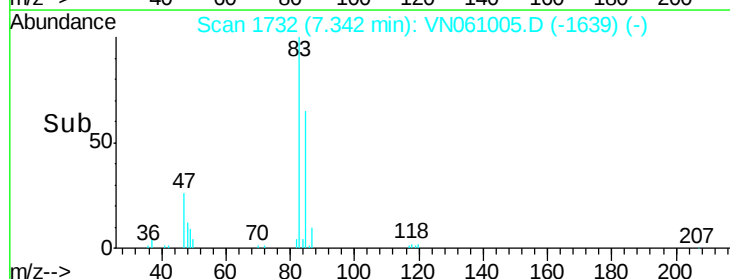
85 65.4 52.8 79.2

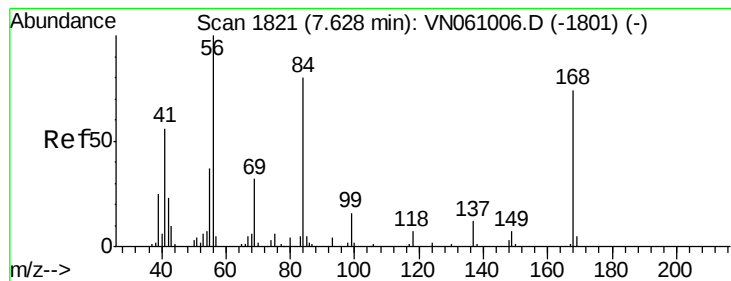


Abundance Ion 82.90 (82.60 to 83.60): VN061006.D (-1711) (-)

Ion 84.90 (84.60 to 85.60): VN061006.D (-1711) (-)

Time-->





#31

Cyclohexane

Concen: 20.731 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

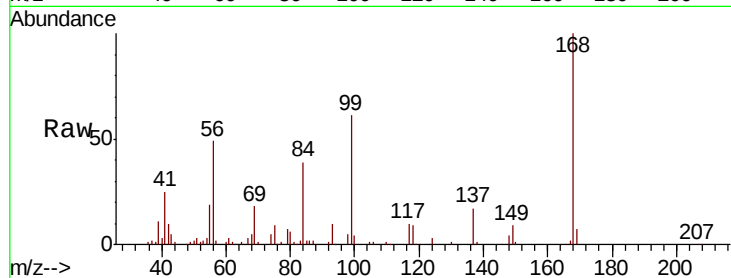
Tot Ion: 56 Resp: 74949

Ion Ratio Lower Upper

56 100

69 36.2 25.6 38.4

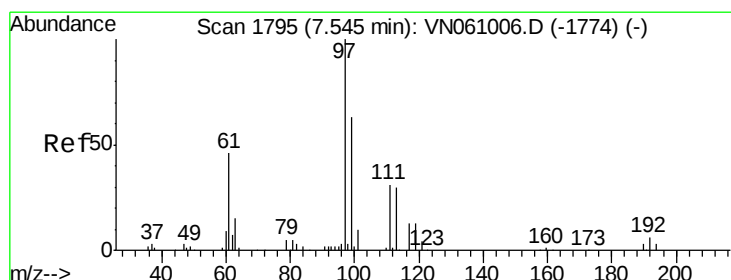
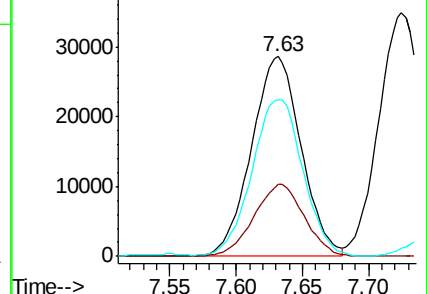
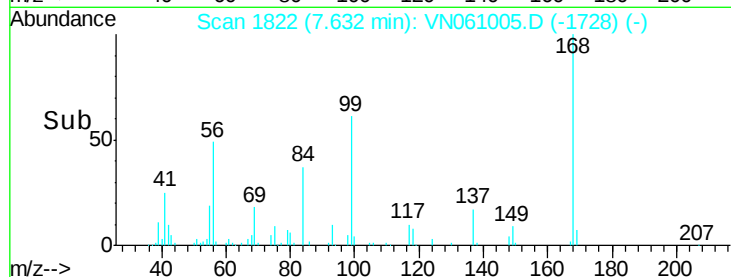
84 78.2 63.4 95.2



Abundance Ion 56.00 (55.70 to 56.70): VN061005.D (-1728) (-)

Ion 69.00 (68.70 to 69.70): VN061005.D (-1728) (-)

Ion 84.00 (83.70 to 84.70): VN061005.D (-1728) (-)



#32

1,1,1-Trichloroethane

Concen: 20.710 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

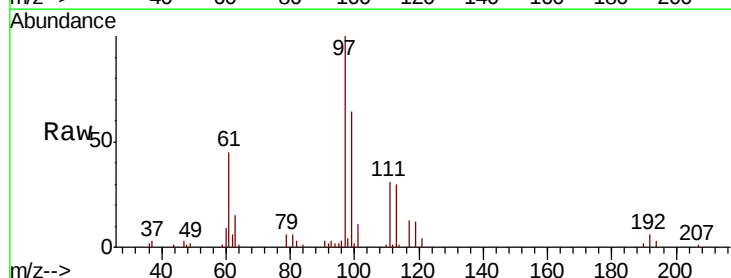
Tgt Ion: 97 Resp: 60680

Ion Ratio Lower Upper

97 100

99 64.2 51.0 76.4

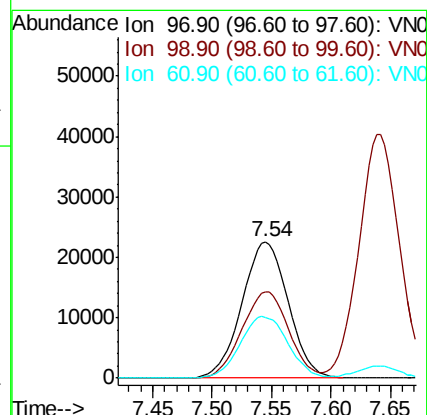
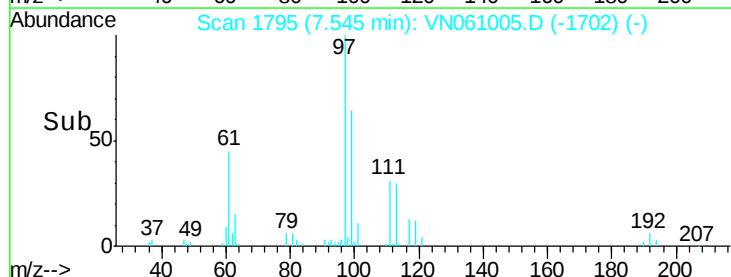
61 46.8 37.0 55.6

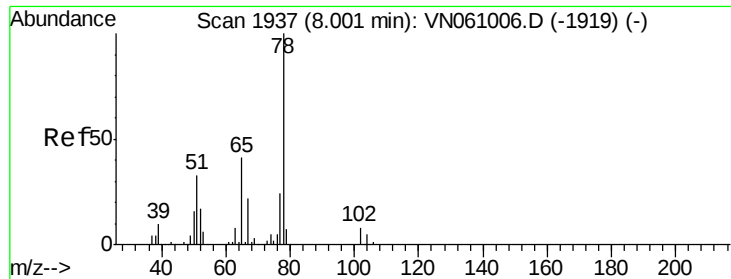


Abundance Ion 96.90 (96.60 to 97.60): VN061005.D (-1702) (-)

Ion 98.90 (98.60 to 99.60): VN061005.D (-1702) (-)

Ion 60.90 (60.60 to 61.60): VN061005.D (-1702) (-)

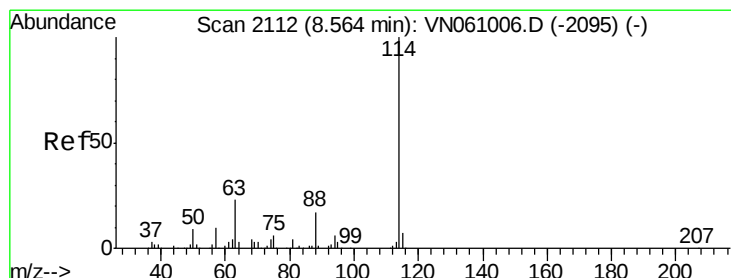
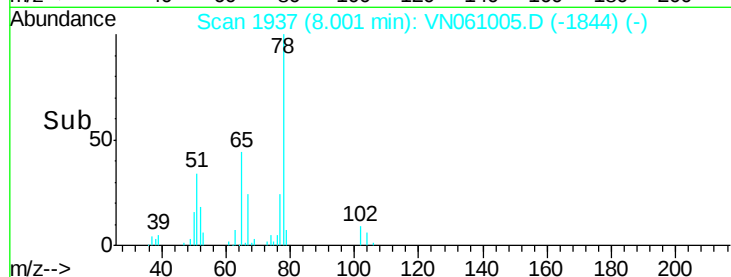
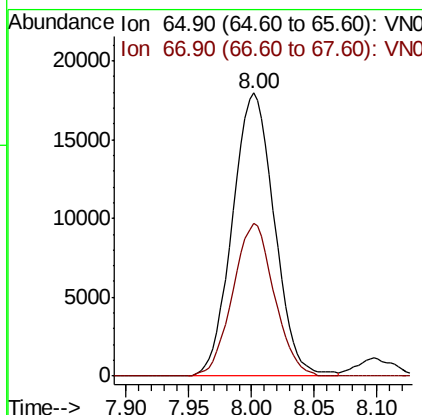
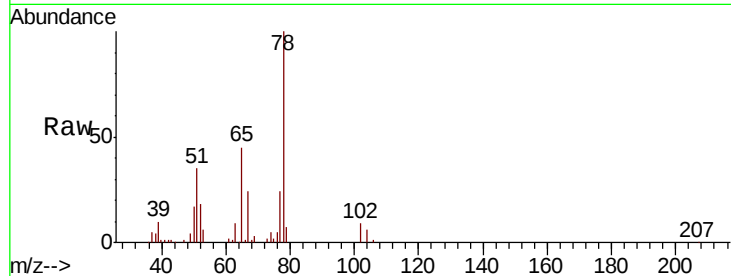




#33
 1,2-Dichloroethane-d4
 Concen: 19.342 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

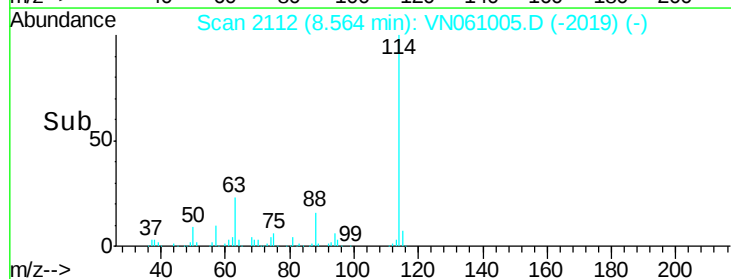
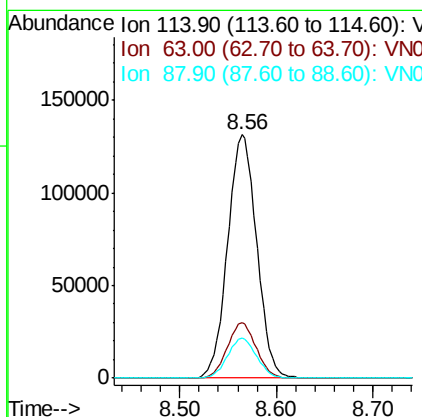
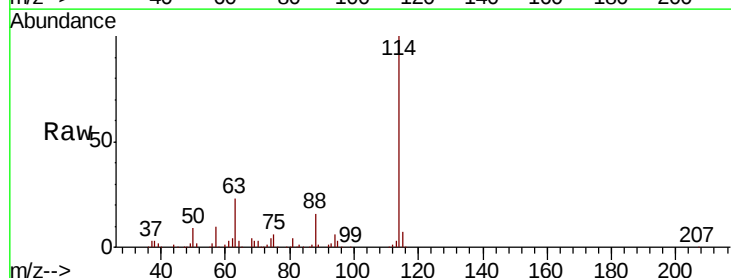
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

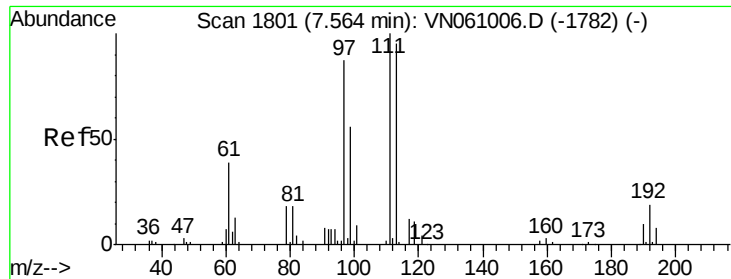
Tot Ion: 65 Resp: 41782
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion: 114 Resp: 274107
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 46.2
 88 16.2 0.0 33.4

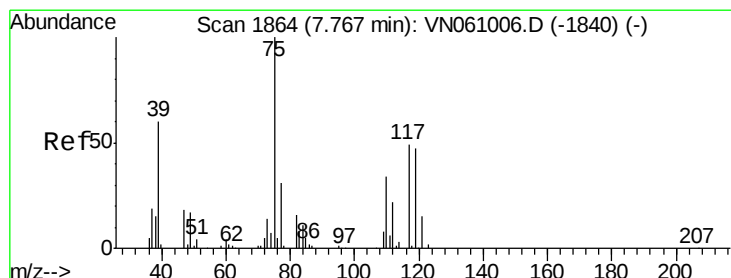
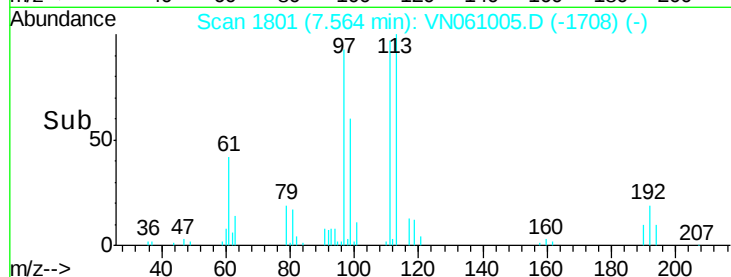
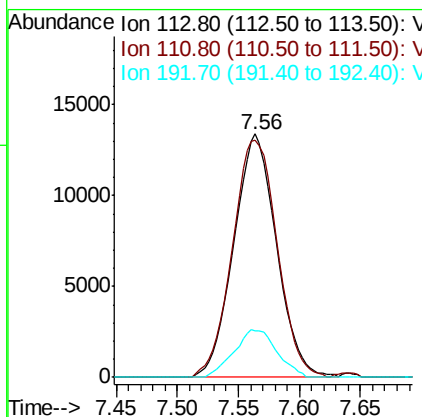
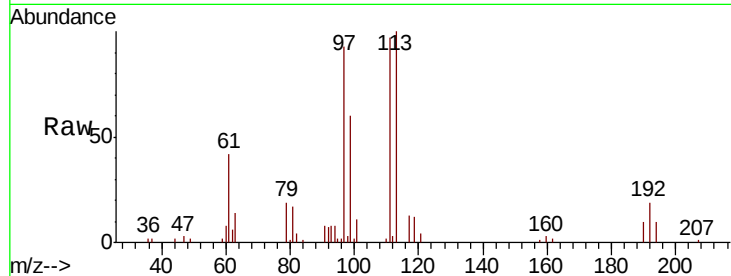




#35
Dibromofluoromethane
Concen: 19.937 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

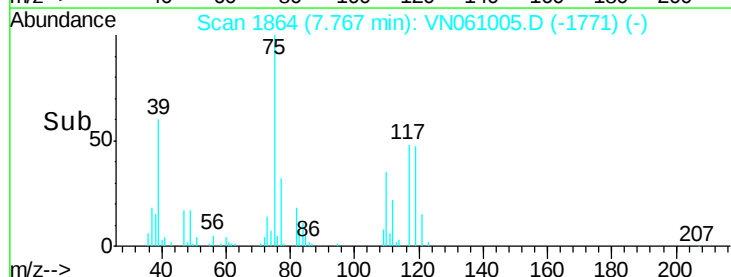
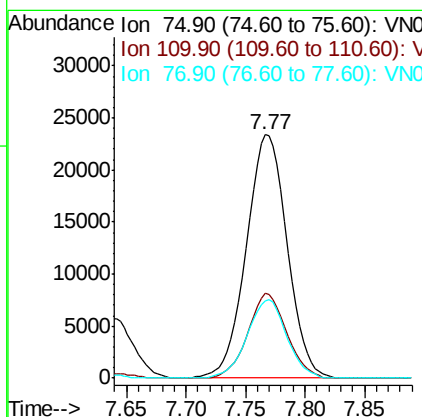
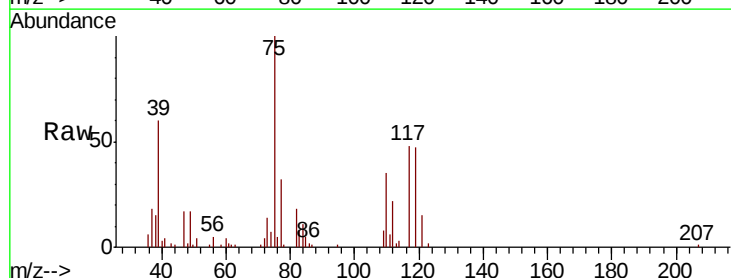
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

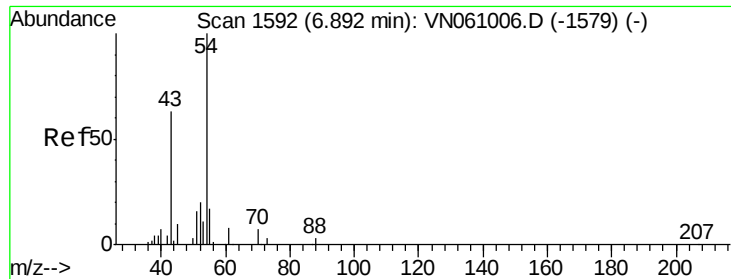
Tot Ion:113 Resp: 32529
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.2
192 19.6 15.5 23.3



#36
1,1-Dichloropropene
Concen: 20.789 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 75 Resp: 55614
Ion Ratio Lower Upper
75 100
110 32.9 16.8 50.3
77 31.2 24.7 37.1

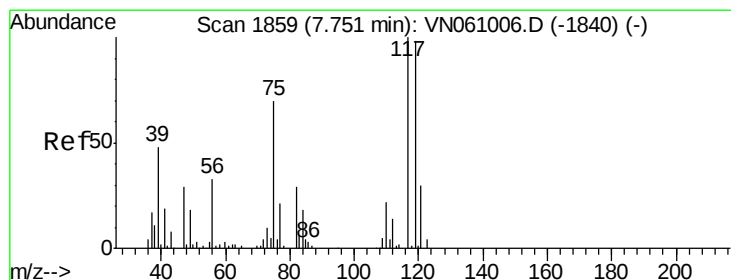
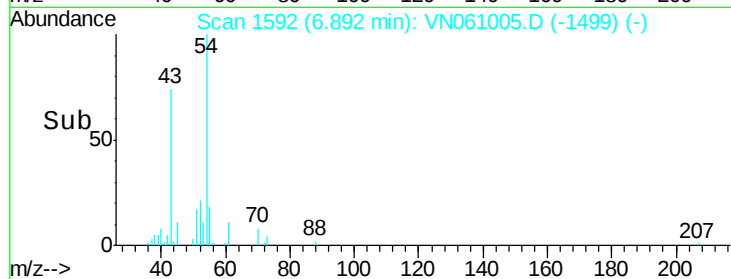
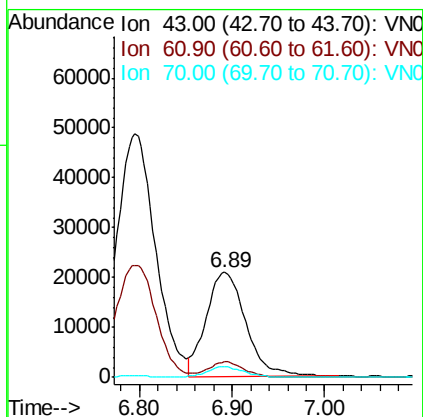
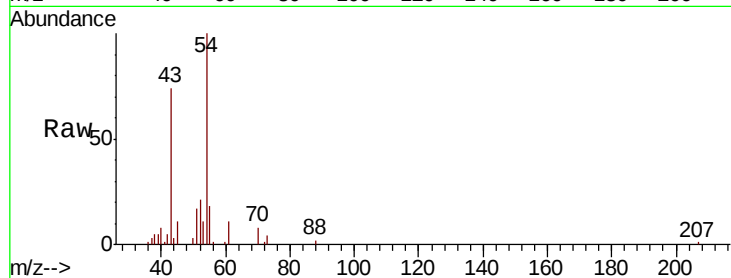




#37
Ethyl Acetate
Concen: 21.343 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

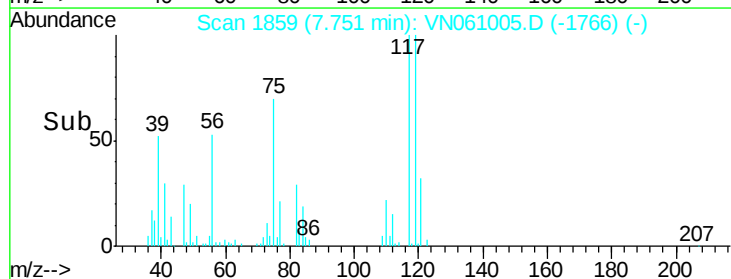
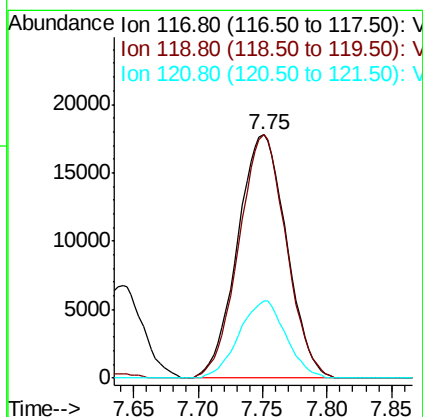
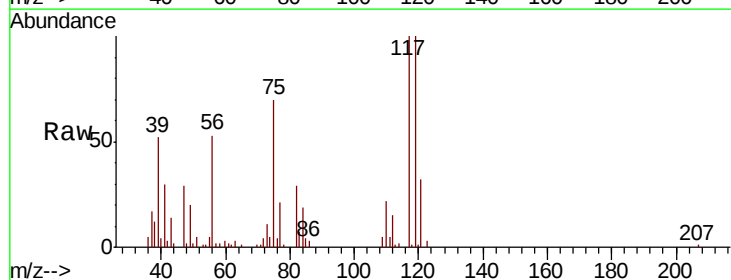
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

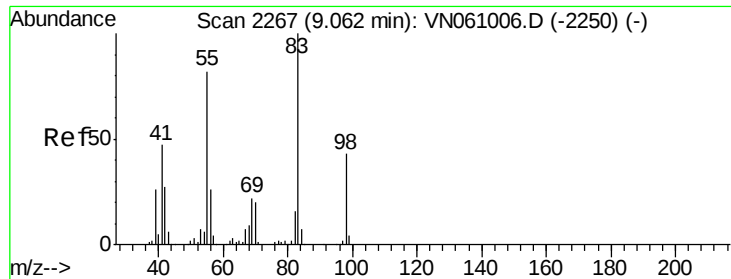
Tot Ion: 43 Resp: 62009
Ion Ratio Lower Upper
43 100
61 13.4 10.9 16.3
70 9.4 7.7 11.5



#38
Carbon Tetrachloride
Concen: 19.712 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 117 Resp: 46969
Ion Ratio Lower Upper
117 100
119 100.0 78.1 117.1
121 31.7 24.0 36.0

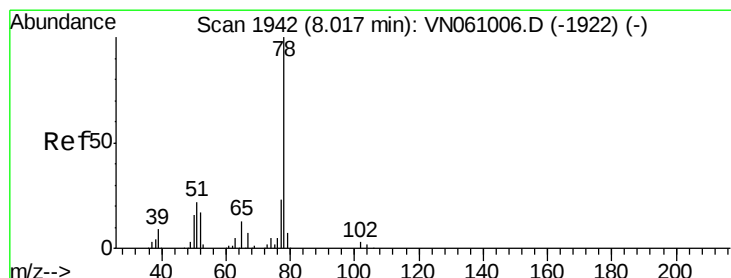
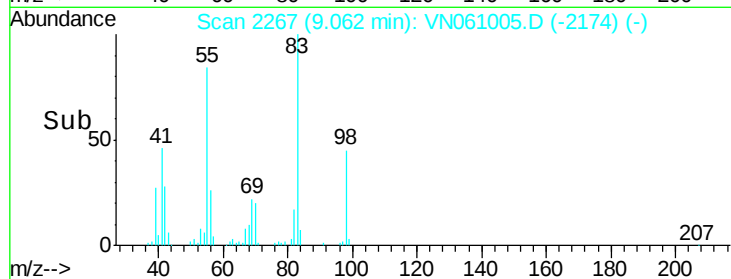
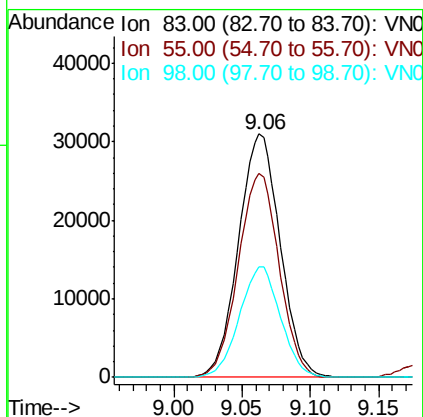
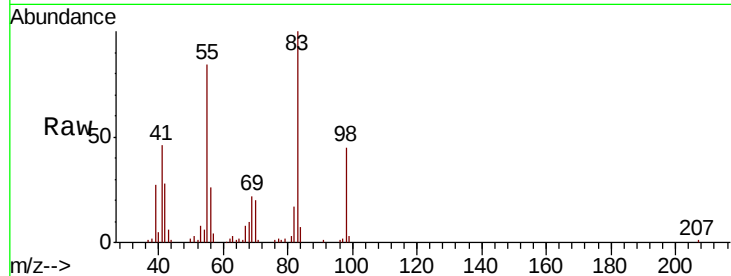




#39
Methvlcvclohexane
Concen: 20.607 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

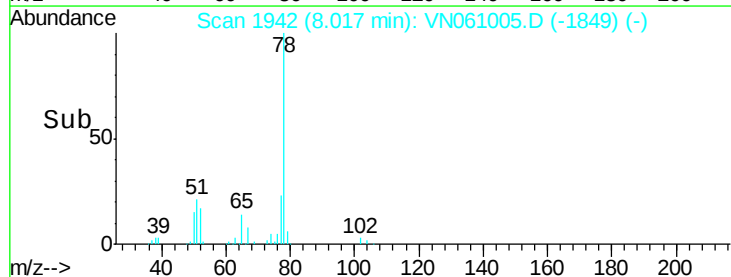
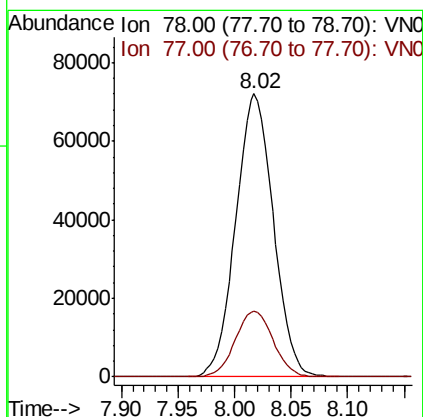
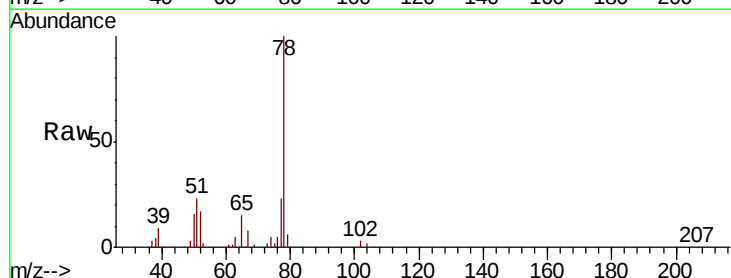
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

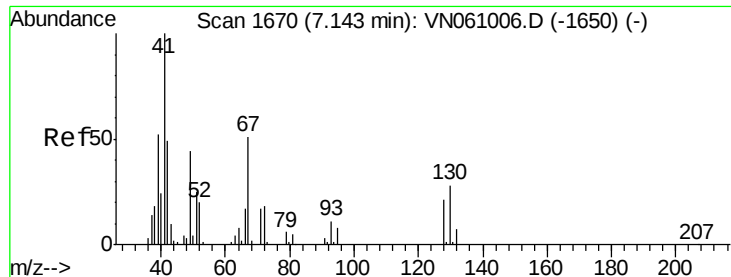
Tot Ion: 83 Resp: 65768
Ion Ratio Lower Upper
83 100
55 84.0 65.4 98.0
98 45.4 34.6 51.8



#40
Benzene
Concen: 20.735 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 78 Resp: 167261
Ion Ratio Lower Upper
78 100
77 23.2 18.8 28.2

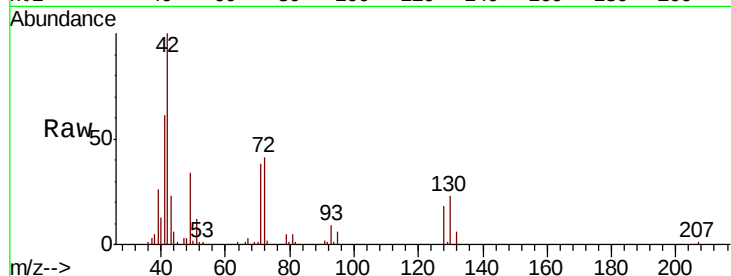




#41
Methacrylonitrile
Concen: 69.347 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	86079
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



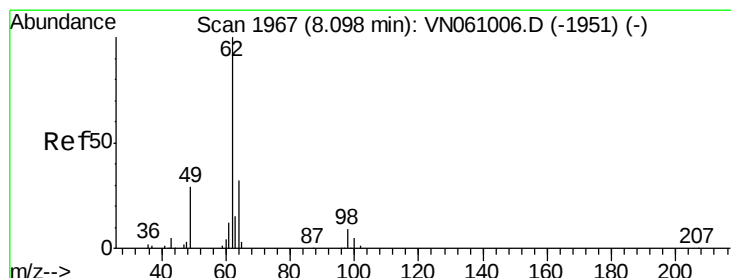
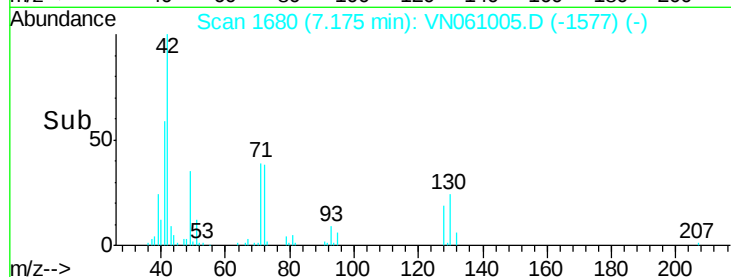
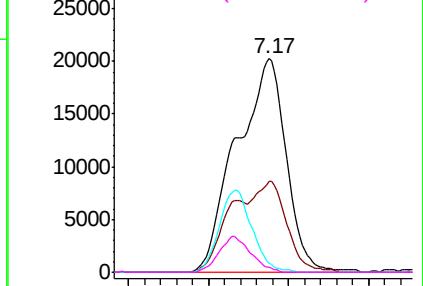
Abundance

Ion 41.00 (40.70 to 41.70): VN061005.D (-1680) (-)

Ion 39.00 (38.70 to 39.70): VN061005.D (-1680) (-)

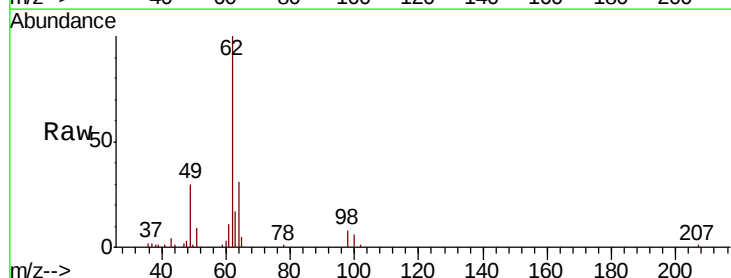
Ion 67.00 (66.70 to 67.70): VN061005.D (-1680) (-)

Ion 52.00 (51.70 to 52.70): VN061005.D (-1680) (-)



#42
1,2-Dichloroethane
Concen: 21.242 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

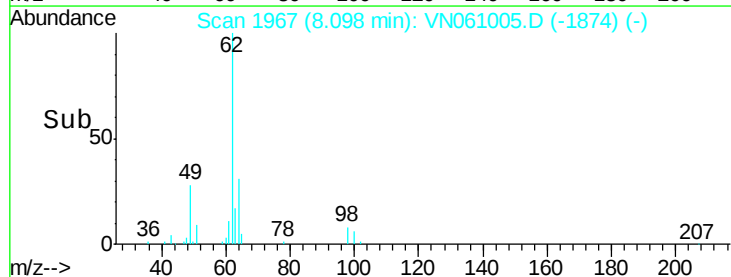
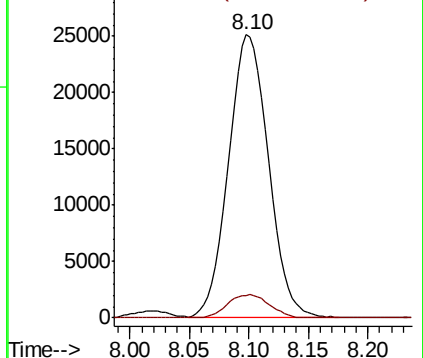
Tgt Ion:	62	Resp:	58625
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.2

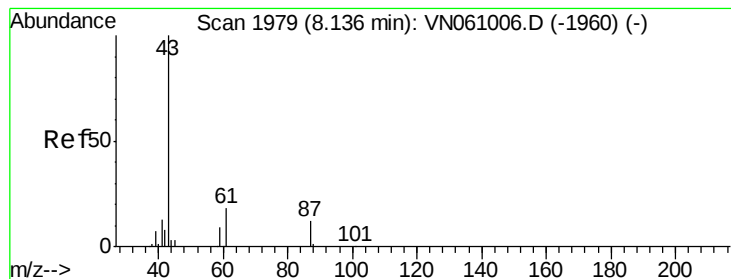


Abundance

Ion 61.90 (61.60 to 62.60): VN061005.D (-1967) (-)

Ion 97.90 (97.60 to 98.60): VN061005.D (-1967) (-)



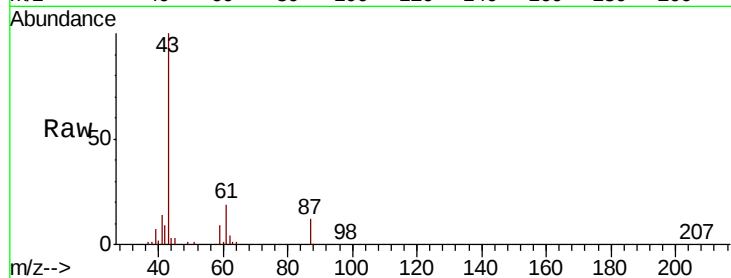


#43

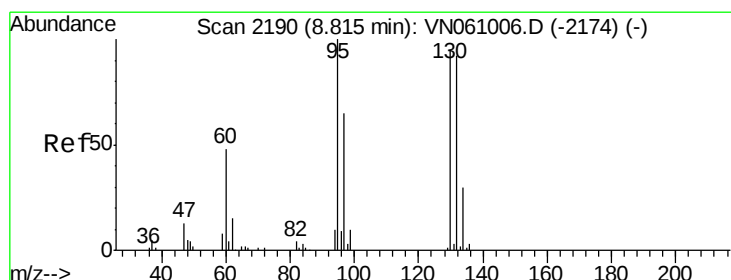
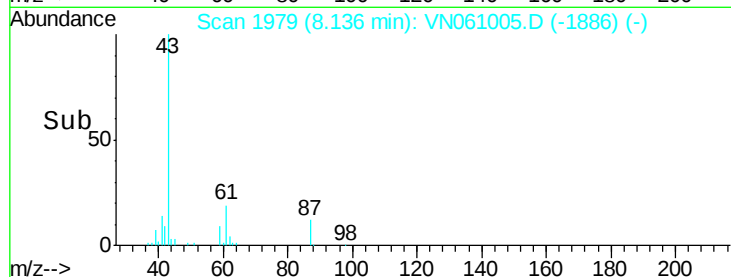
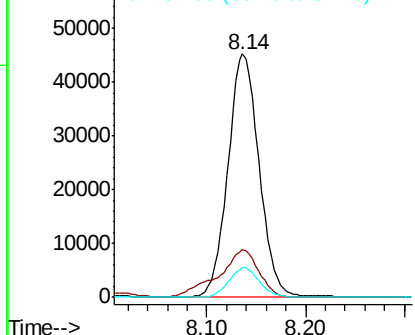
Isopropyl Acetate
 Concen: 20.937 ug/l
 RT: 8.14 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 43 Resp: 100034
 Ion Ratio Lower Upper
 43 100
 61 25.2 20.3 30.5
 87 11.9 9.4 14.2



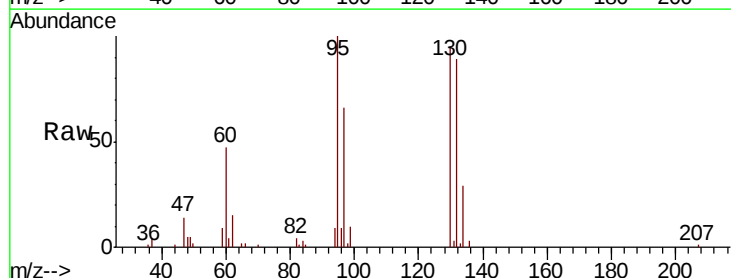
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



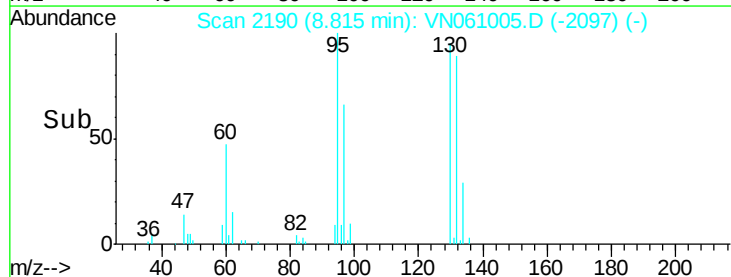
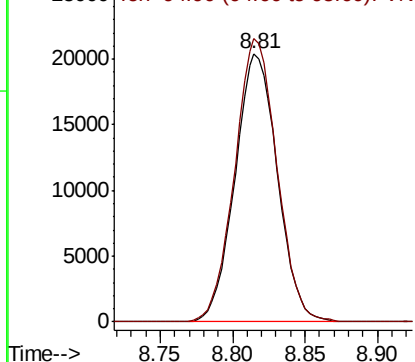
#44

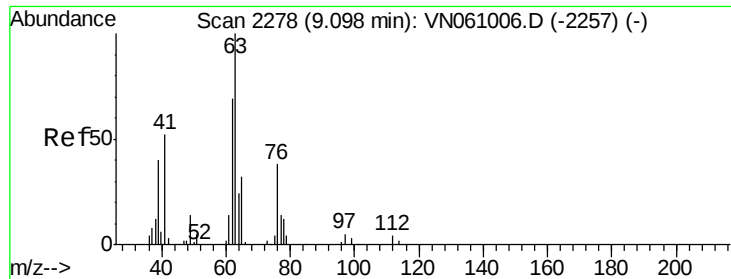
Trichloroethene
 Concen: 20.492 ug/l
 RT: 8.81 min Scan# 2190
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion: 130 Resp: 41472
 Ion Ratio Lower Upper
 130 100
 95 105.5 0.0 210.0



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 21.335 ug/l

RT: 9.10 min Scan# 2278

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

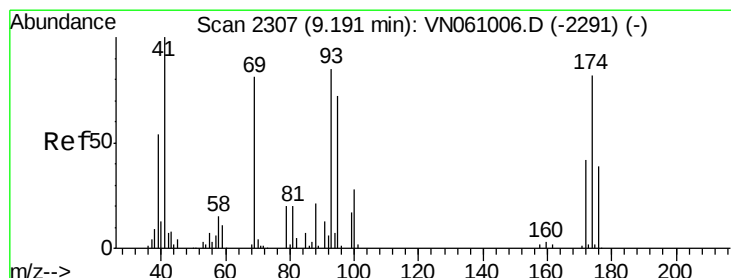
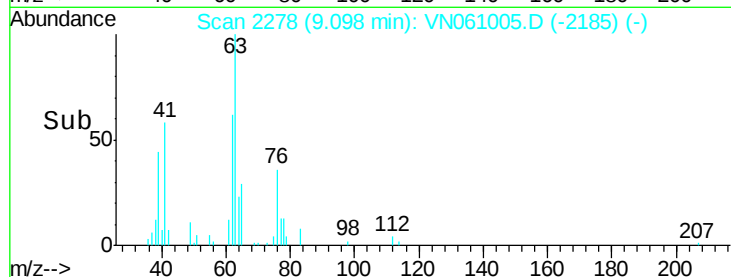
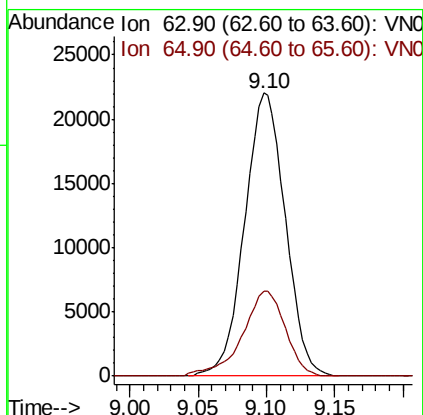
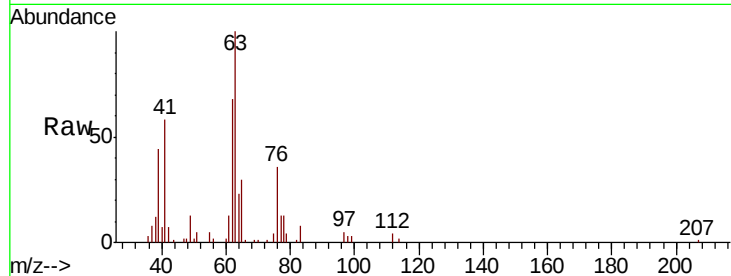
VSTDIC020

Tot Ion: 63 Resp: 45500

Ion Ratio Lower Upper

63 100

65 30.1 25.2 37.8



#46

Dibromomethane

Concen: 20.778 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

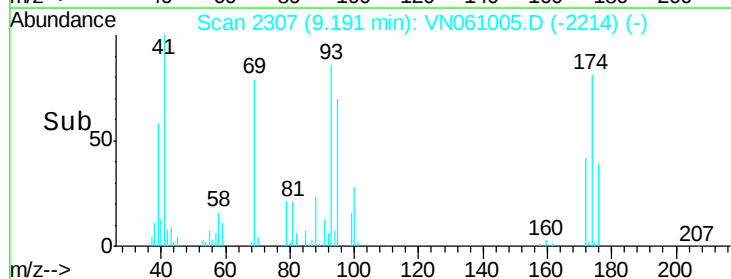
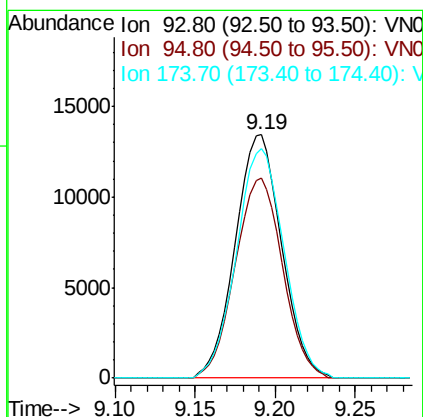
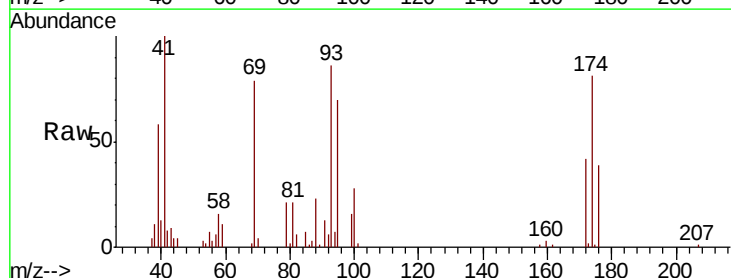
Tgt Ion: 93 Resp: 26660

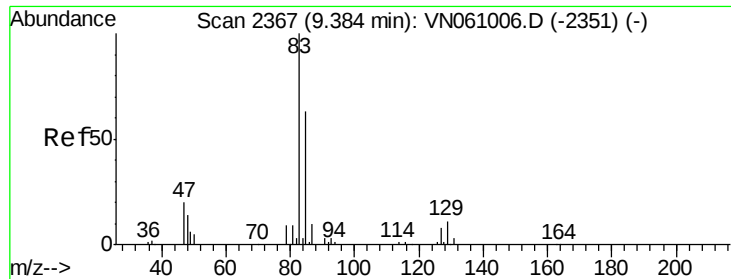
Ion Ratio Lower Upper

93 100

95 83.7 66.8 100.2

174 96.7 76.2 114.4

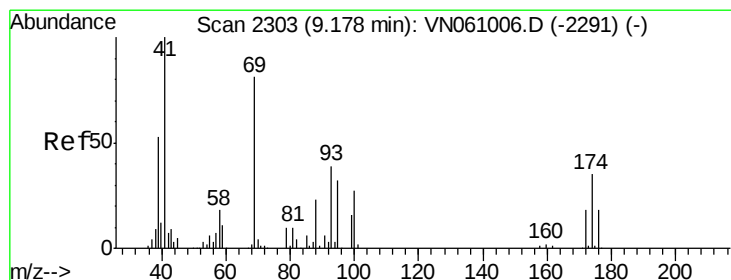
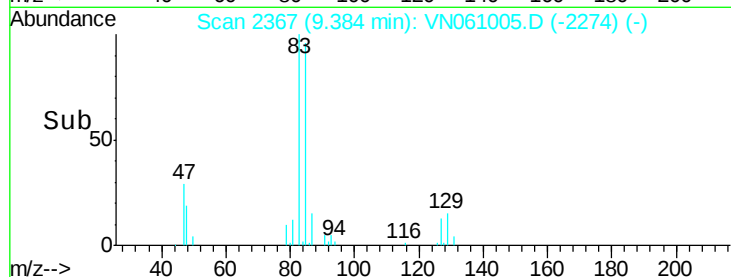
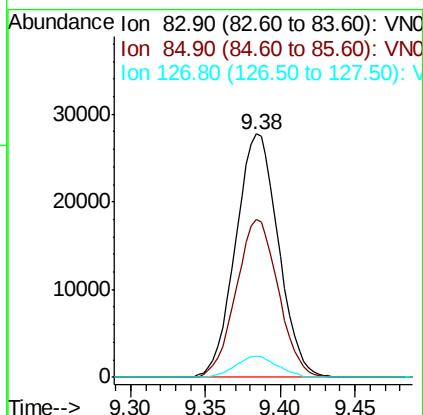
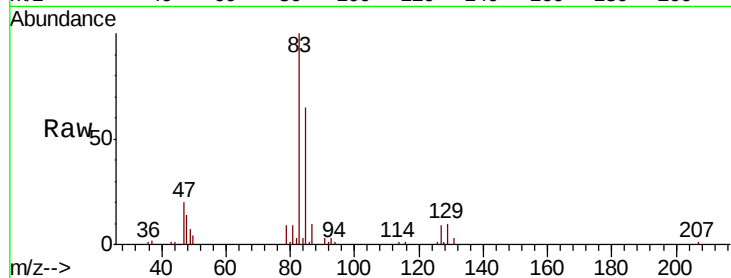




#47
Bromodichloromethane
Concen: 20.607 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

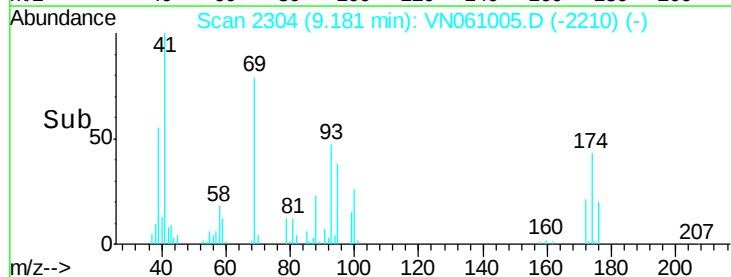
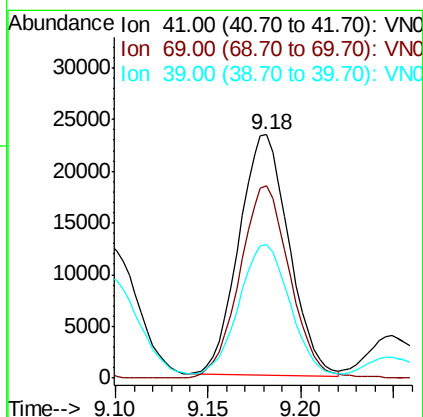
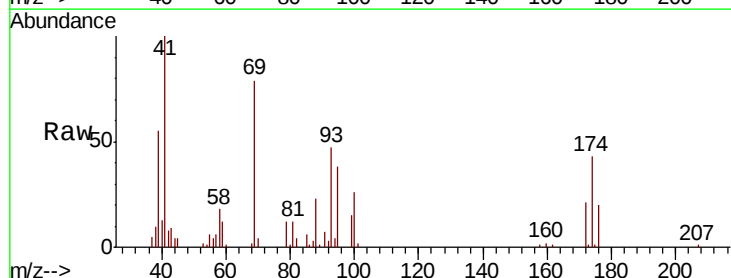
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

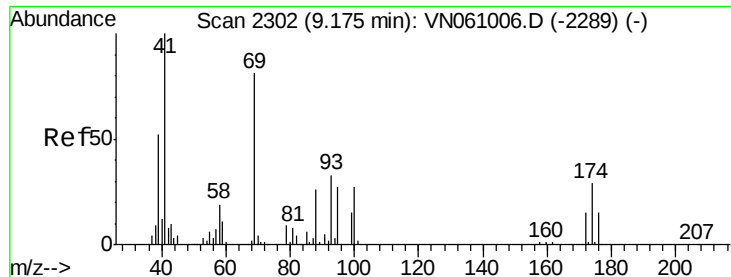
Tot Ion: 83 Resp: 55142
Ion Ratio Lower Upper
83 100
85 64.9 50.6 76.0
127 8.7 6.1 9.1



#48
Methyl methacrylate
Concen: 20.411 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 41 Resp: 43516
Ion Ratio Lower Upper
41 100
69 80.2 65.3 97.9
39 54.8 45.2 67.8

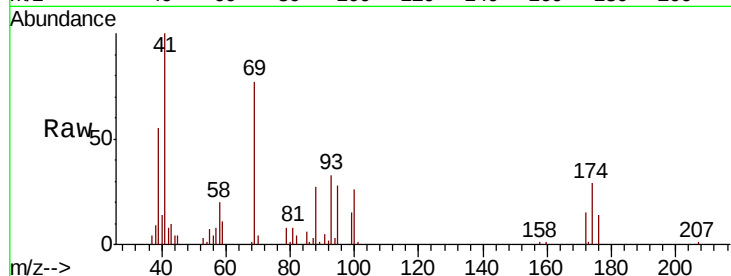




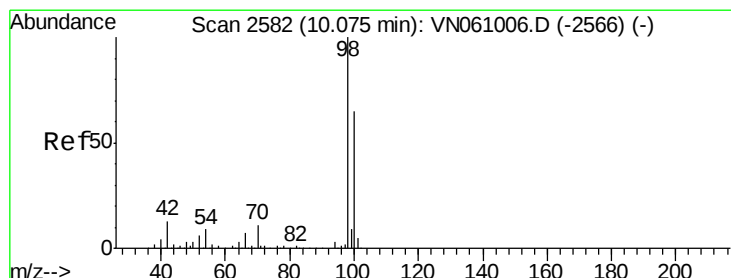
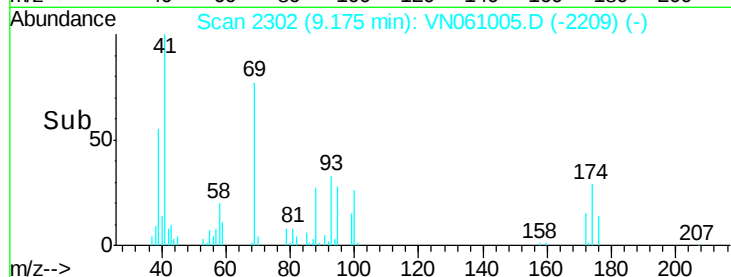
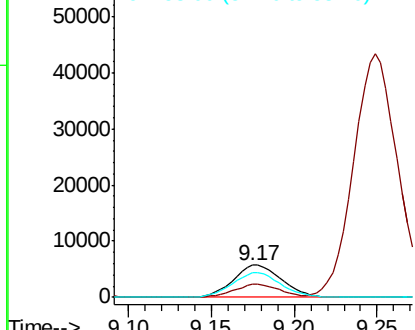
#49
 1,4-Dioxane
 Concen: 451.278 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 88 Resp: 11586
 Ion Ratio Lower Upper
 88 100
 43 38.8 30.9 46.3
 58 76.8 59.8 89.8

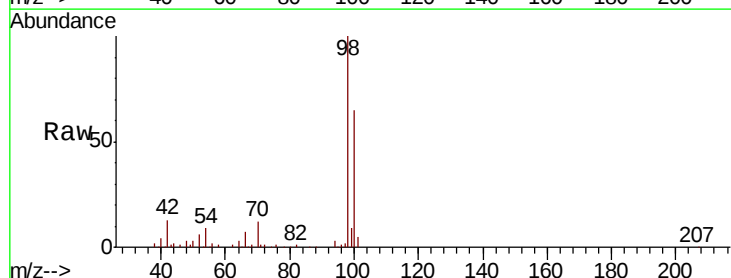


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

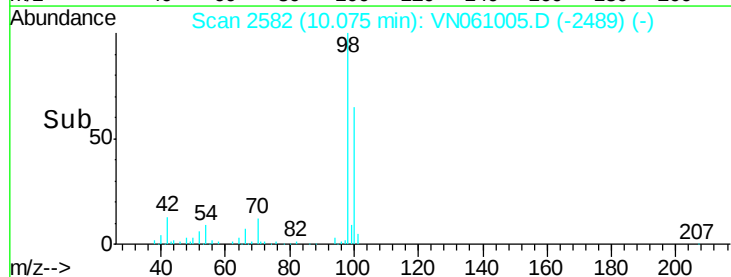
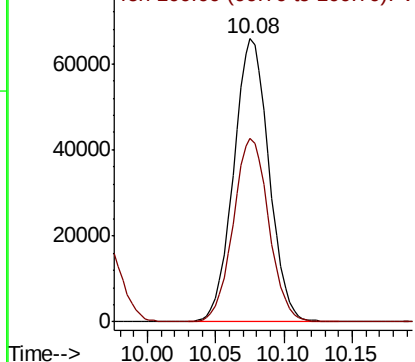


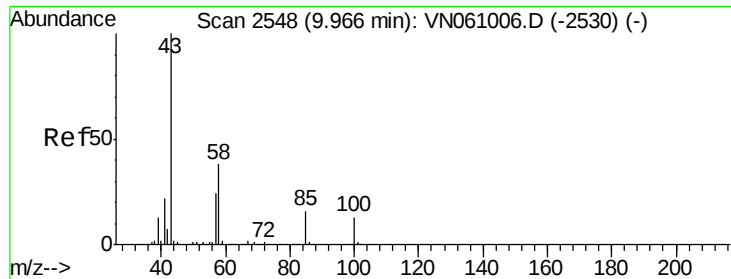
#50
 Toluene-d8
 Concen: 18.089 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion: 98 Resp: 118097
 Ion Ratio Lower Upper
 98 100
 100 65.2 51.9 77.9



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

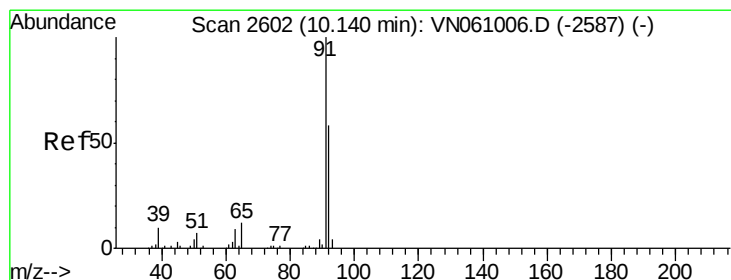
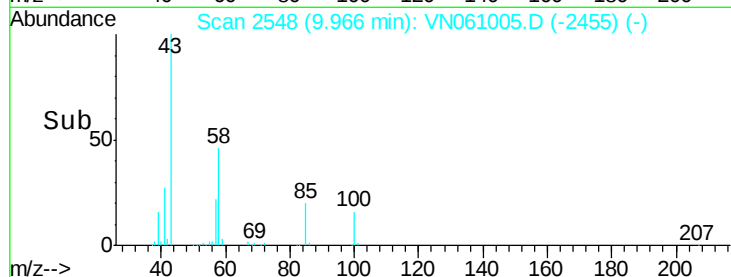
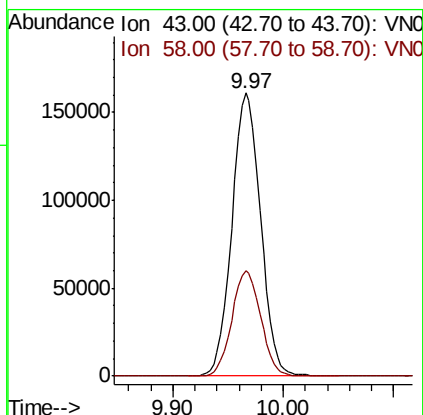
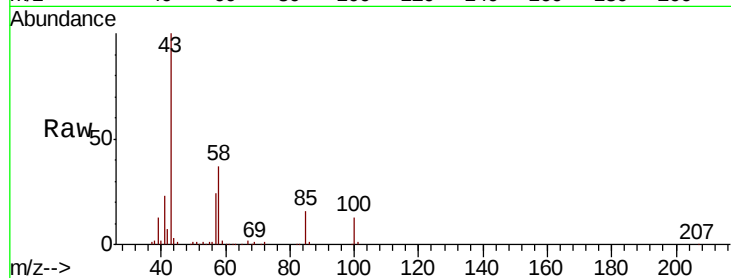




#51
 4-Methyl-2-Pentanone
 Concen: 106.784 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

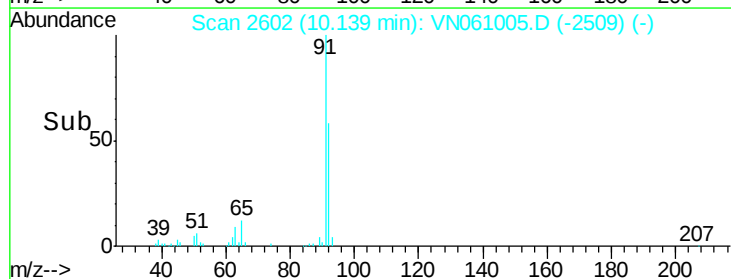
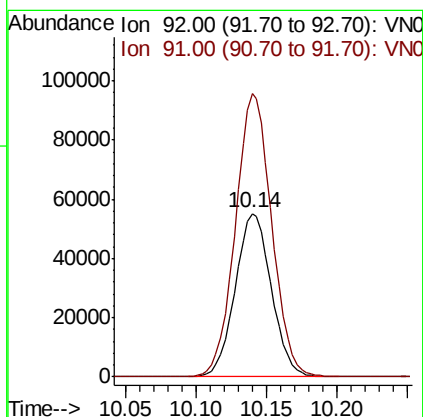
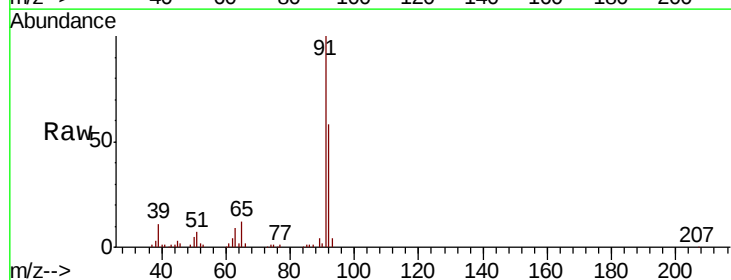
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

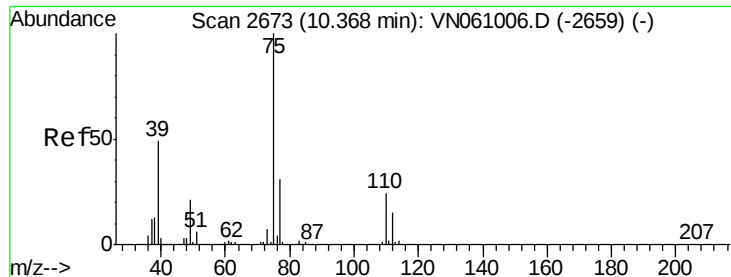
Tot Ion: 43 Resp: 290844
 Ion Ratio Lower Upper
 43 100
 58 37.4 30.3 45.5



#52
 Toluene
 Concen: 20.304 ug/l
 RT: 10.14 min Scan# 2602
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion: 92 Resp: 98814
 Ion Ratio Lower Upper
 92 100
 91 174.1 137.7 206.5





#53

t-1,3-Dichloropropene

Concen: 20.953 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

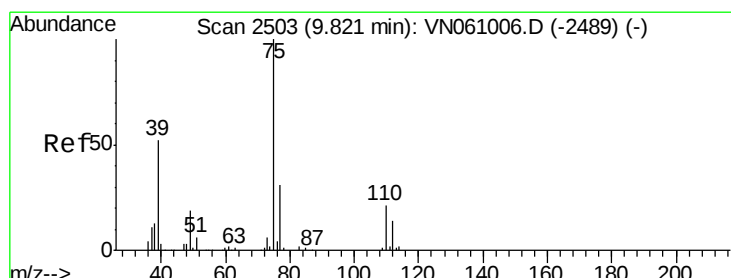
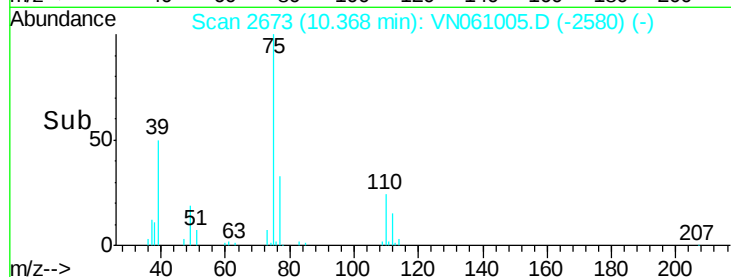
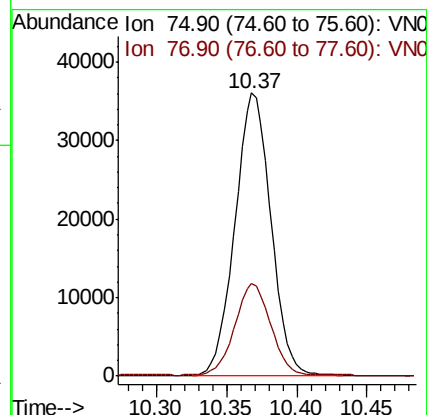
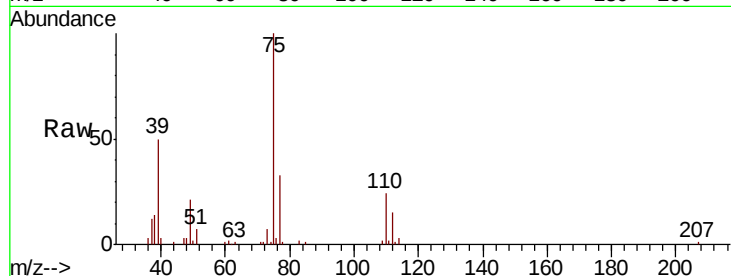
VSTDIC020

Tot Ion: 75 Resp: 64449

Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 20.643 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

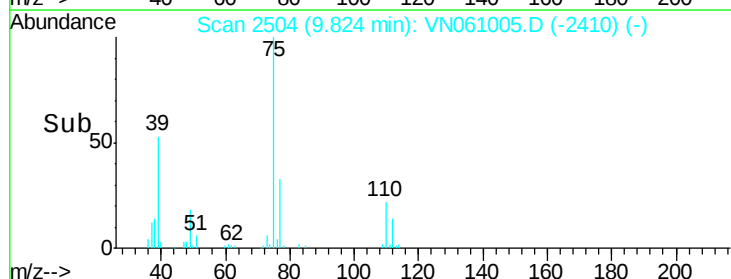
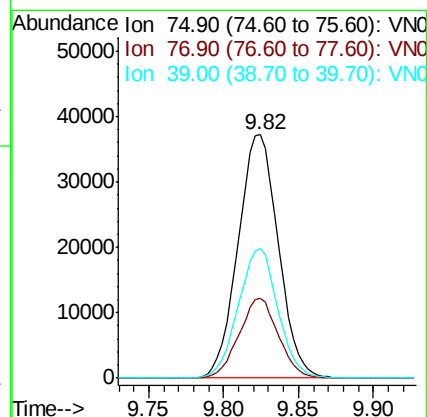
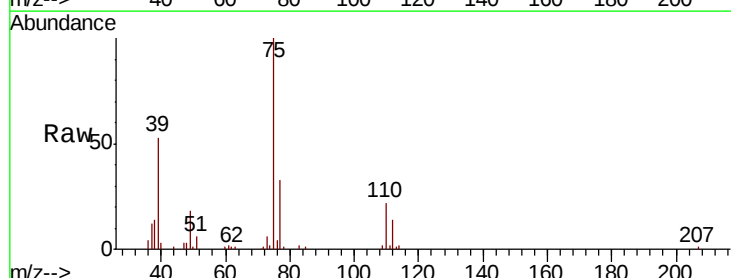
Tgt Ion: 75 Resp: 69821

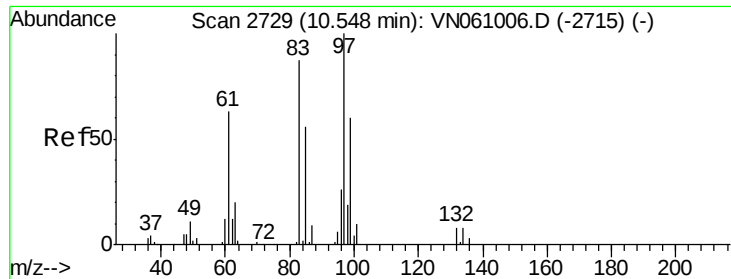
Ion Ratio Lower Upper

75 100

77 33.0 25.0 37.6

39 53.4 41.4 62.2



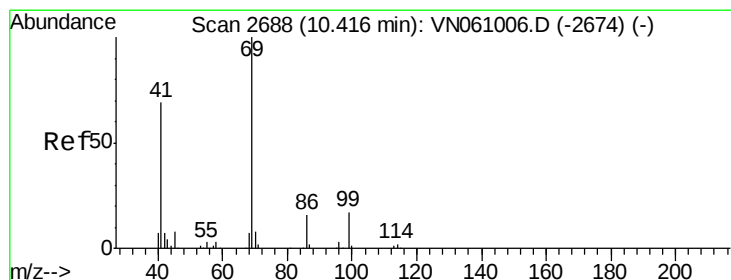
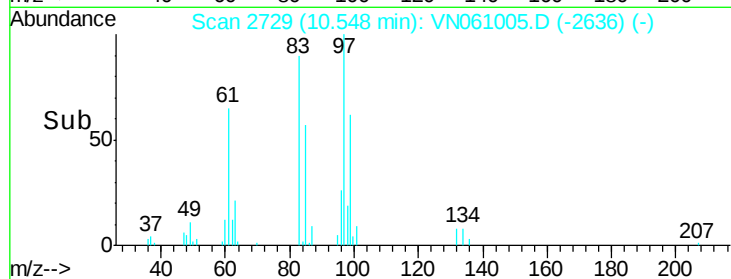
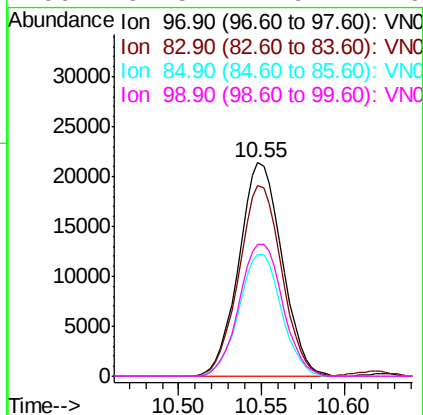
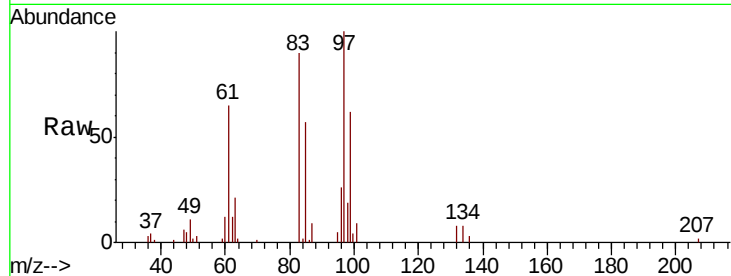


#55
 1,1,2-Trichloroethane
 Concen: 20.671 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion: 97 Resp: 38699

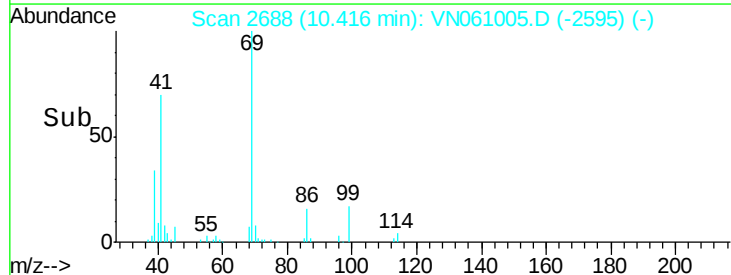
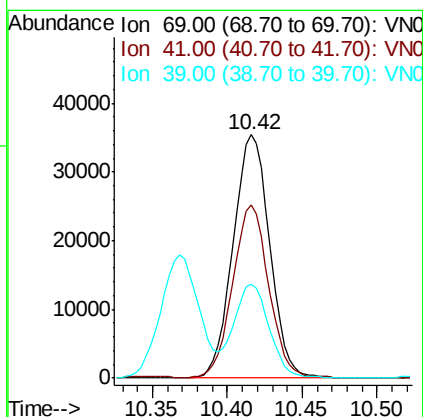
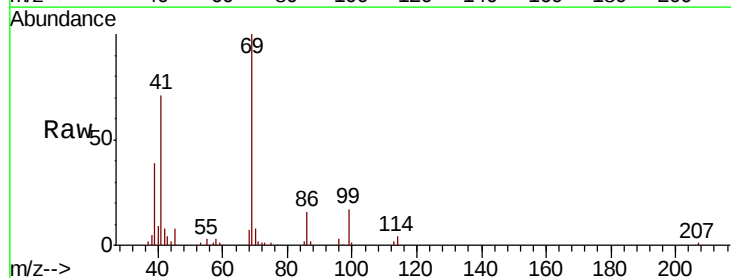
Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.5	104.3
85	57.1	45.0	67.4
99	61.5	47.9	71.9

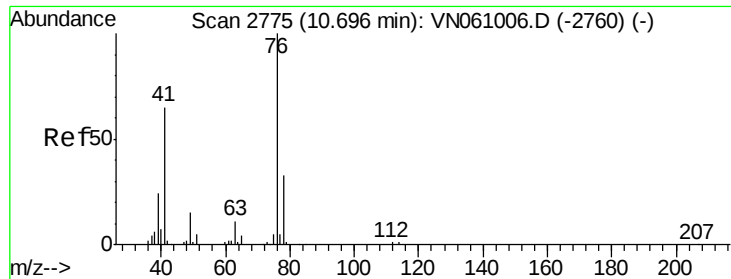


#56
 Ethyl methacrylate
 Concen: 20.647 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion: 69 Resp: 60336

Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.7	85.1
39	37.8	29.4	44.0





#57

1,3-Dichloropropane

Concen: 21.141 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

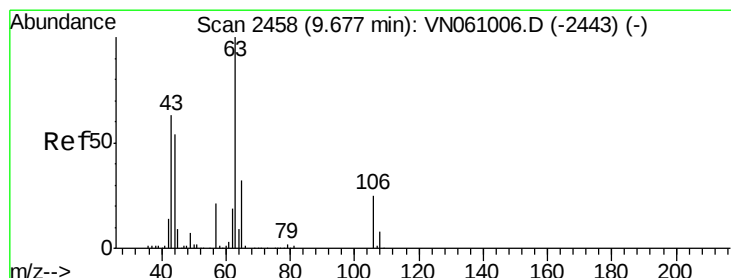
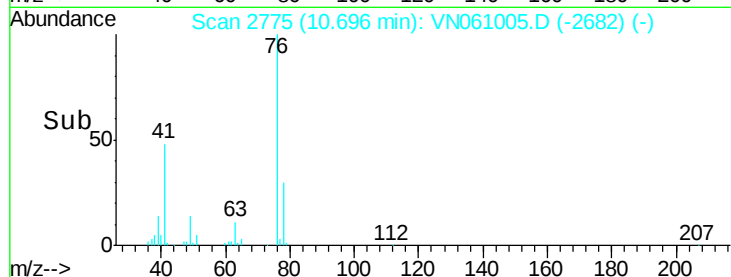
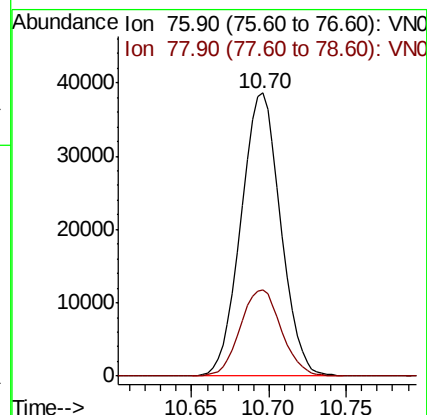
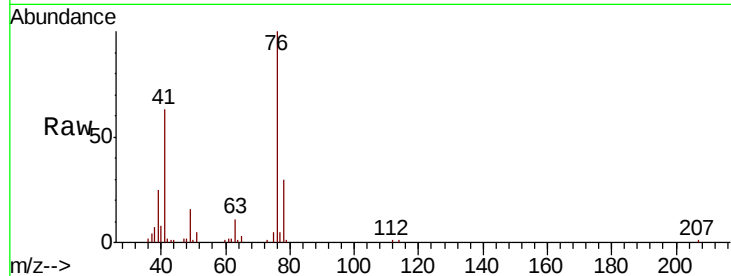
VSTDIC020

Tot Ion: 76 Resp: 68817

Ion Ratio Lower Upper

76 100

78 31.5 25.4 38.0



#58

2-Chloroethyl Vinyl ether

Concen: 98.895 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN061005.D

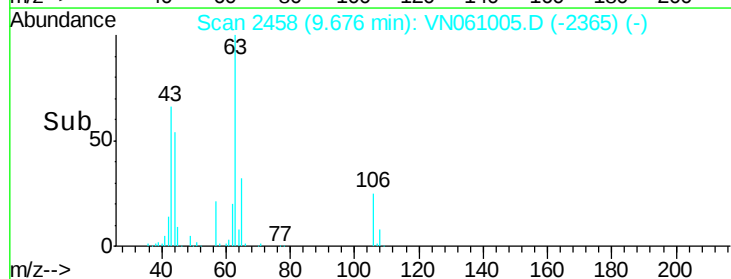
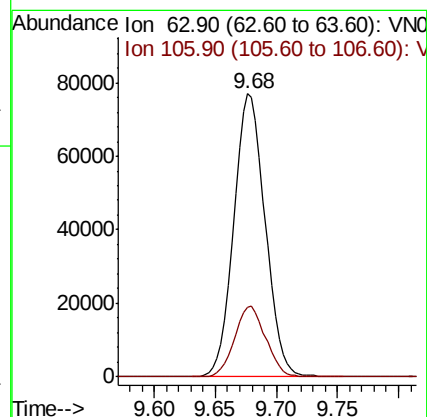
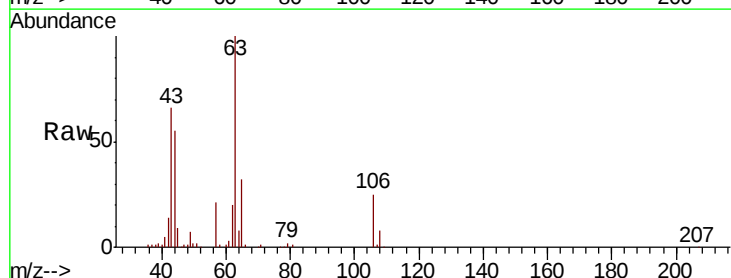
Acq: 16 Apr 2020 11:56

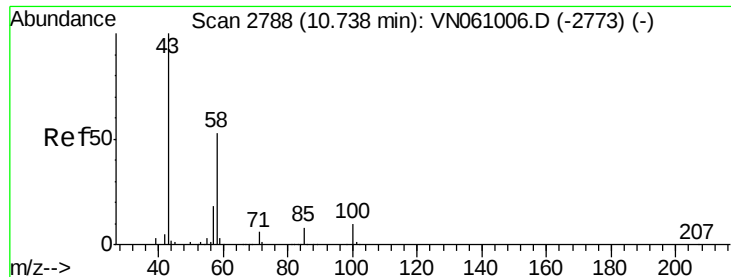
Tgt Ion: 63 Resp: 137876

Ion Ratio Lower Upper

63 100

106 24.7 19.5 29.3

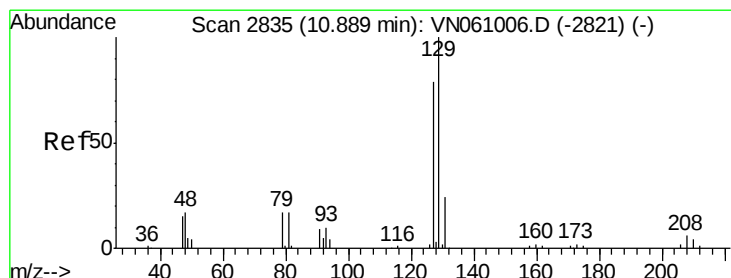
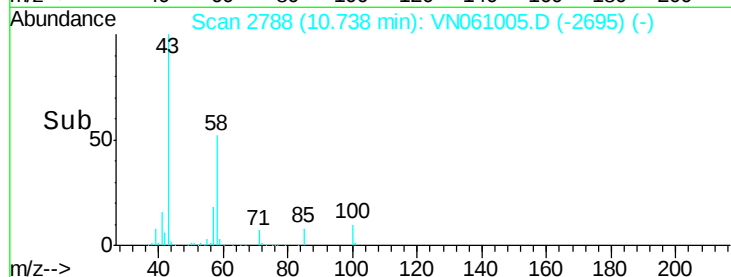
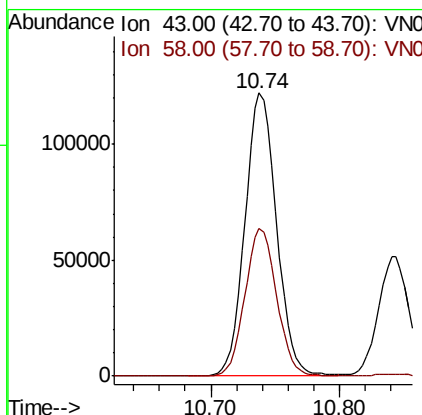
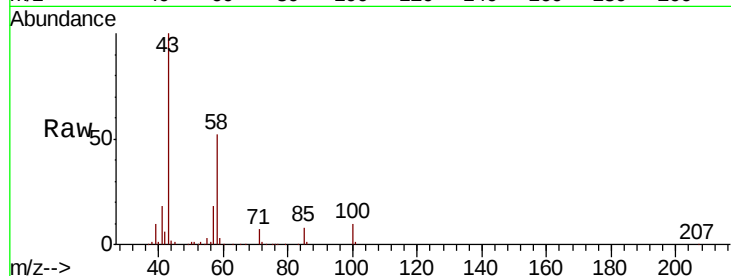




#59
2-Hexanone
Concen: 106.334 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

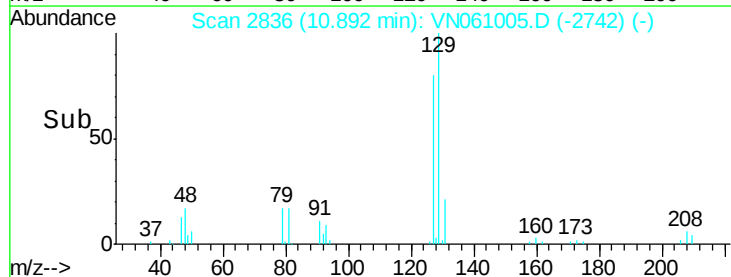
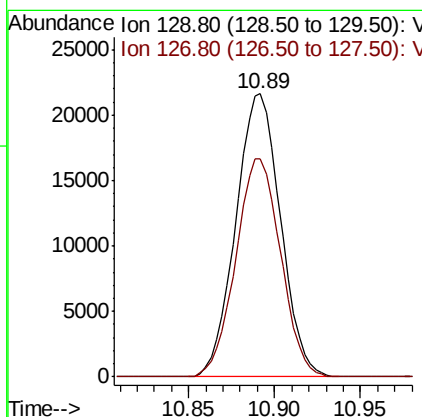
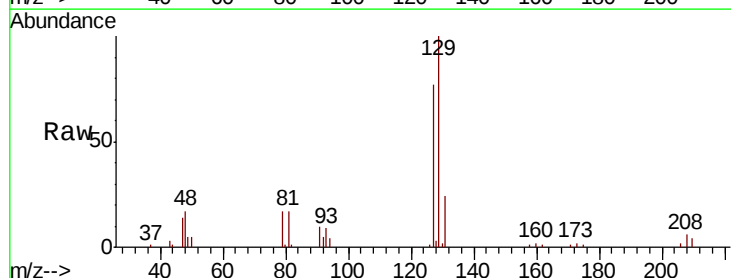
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

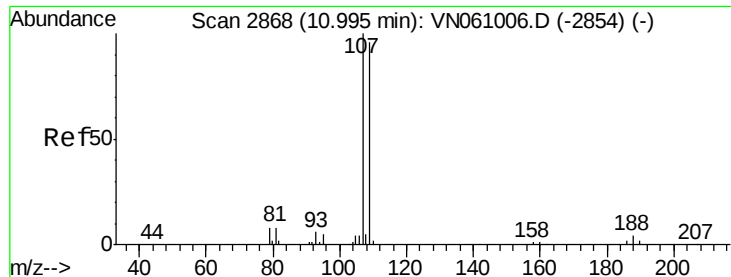
Tot Ion: 43 Resp: 208554
Ion Ratio Lower Upper
43 100
58 52.4 26.4 79.0



#60
Dibromochloromethane
Concen: 20.247 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 129 Resp: 39024
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9

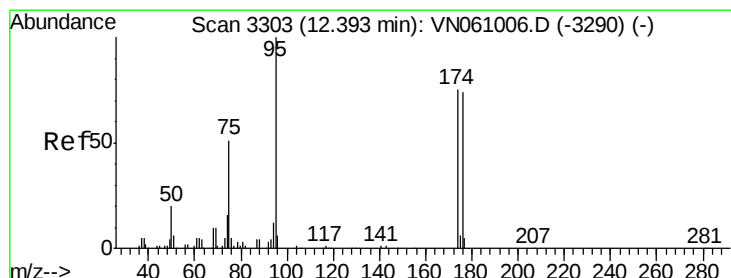
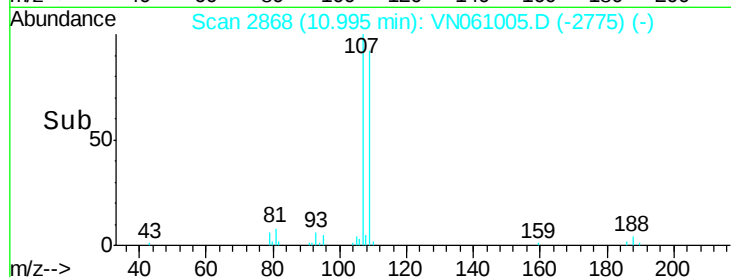
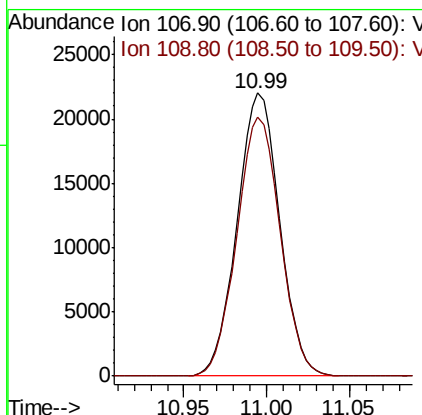
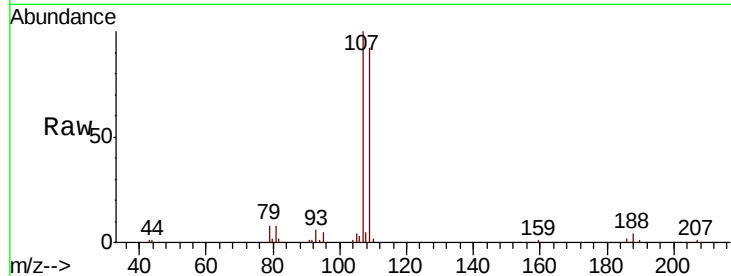




#61
 1,2-Dibromoethane
 Concen: 20.908 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

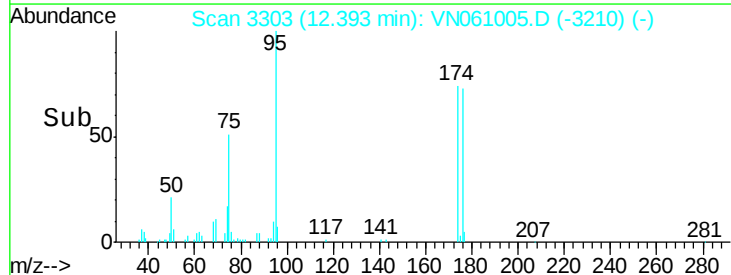
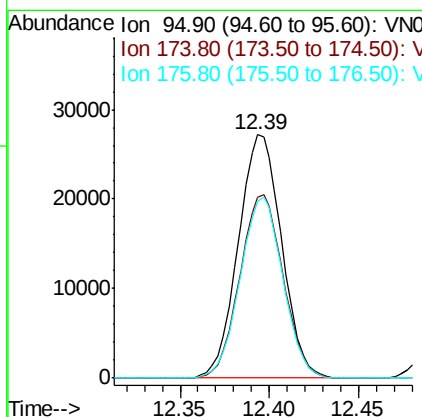
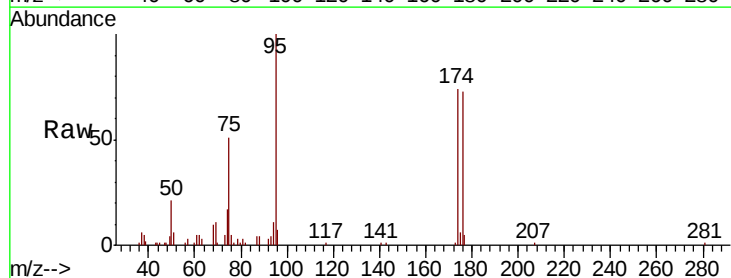
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

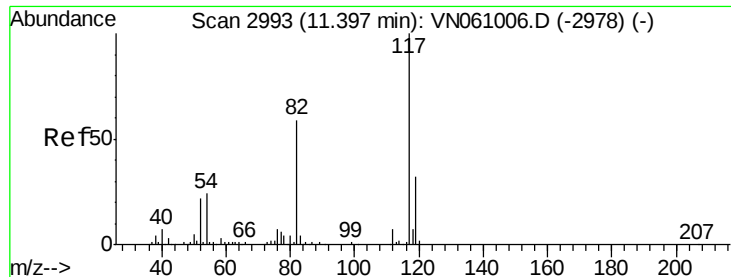
Tot Ion:107 Resp: 39230
 Ion Ratio Lower Upper
 107 100
 109 93.5 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 18.954 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion: 95 Resp: 46096
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 151.2
 176 73.5 0.0 148.2

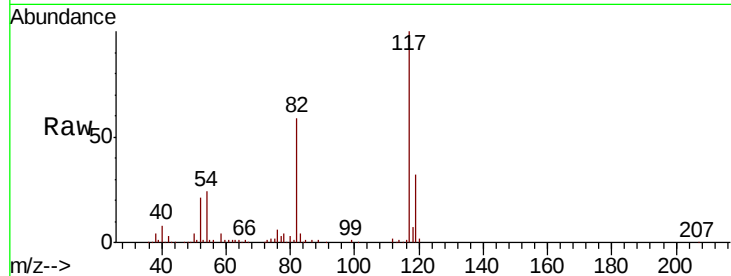




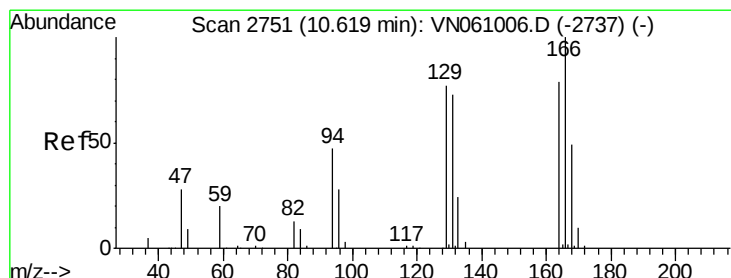
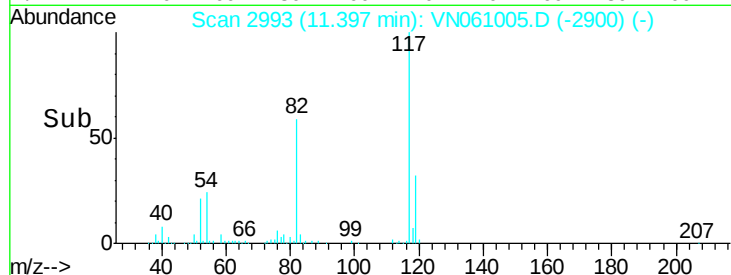
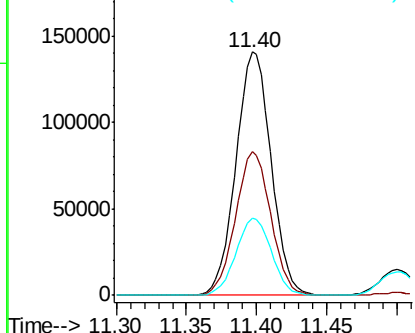
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 246269
Ion Ratio Lower Upper
117 100
82 59.0 47.1 70.7
119 31.5 25.7 38.5

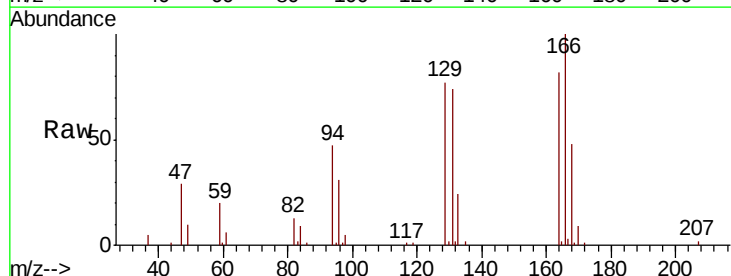


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

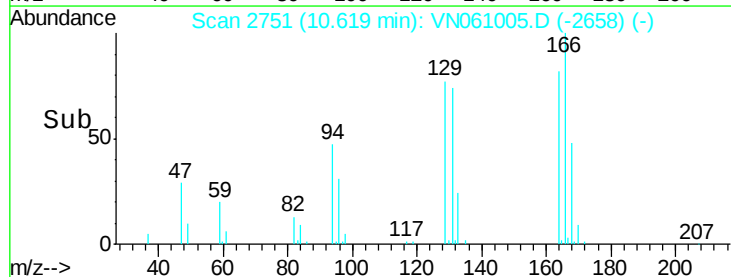
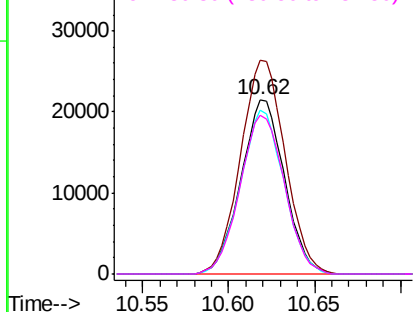


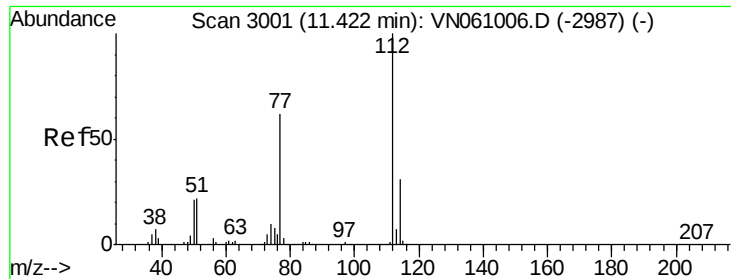
#64
Tetrachloroethene
Concen: 19.589 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion:164 Resp: 37769
Ion Ratio Lower Upper
164 100
166 122.5 101.6 152.4
129 94.1 78.5 117.7
131 91.3 74.3 111.5



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

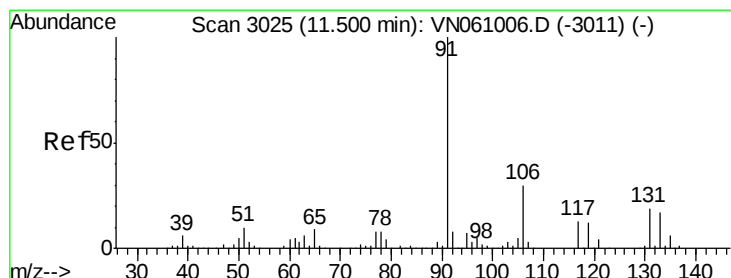
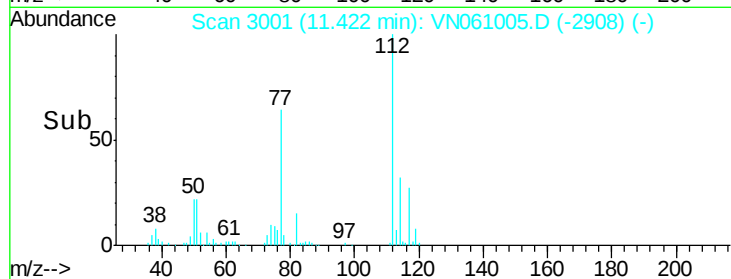
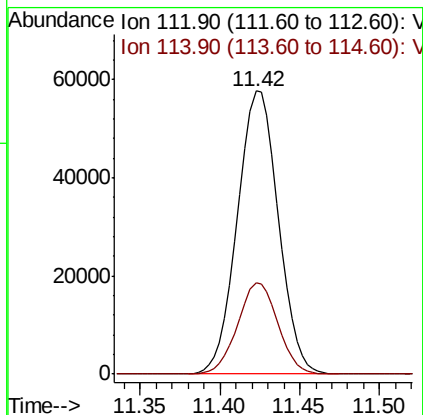
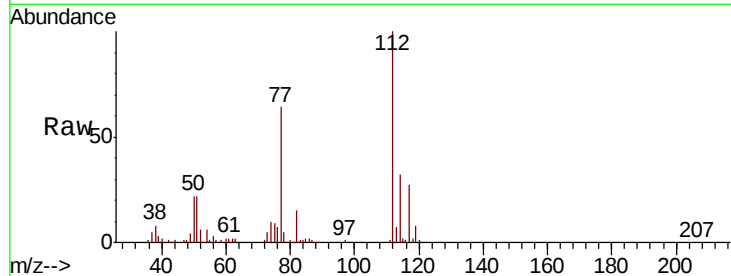




#65
Chlorobenzene
Concen: 20.509 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

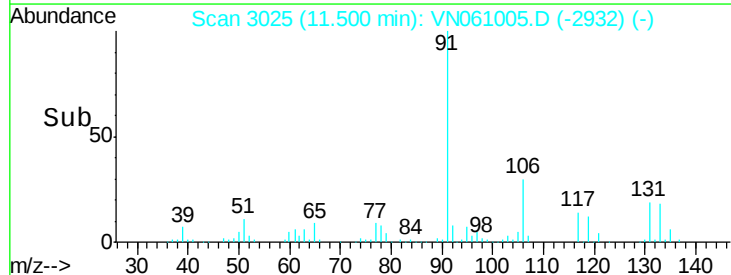
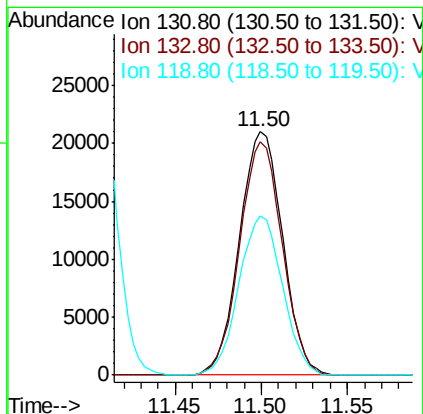
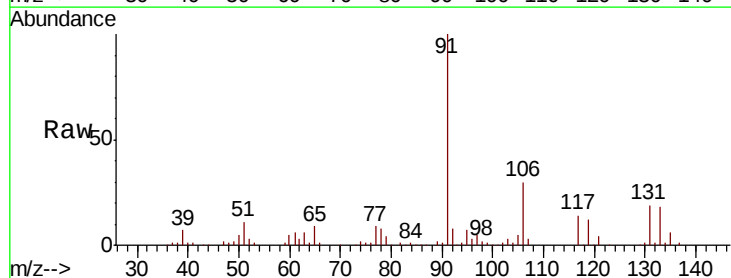
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

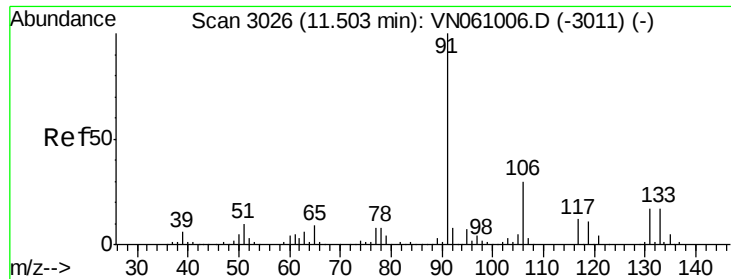
Tot Ion:112 Resp: 100711
Ion Ratio Lower Upper
112 100
114 32.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 20.658 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion:131 Resp: 36674
Ion Ratio Lower Upper
131 100
133 94.8 47.9 143.8
119 66.0 33.3 99.8

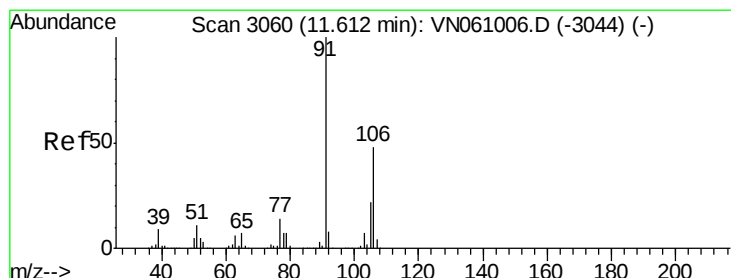
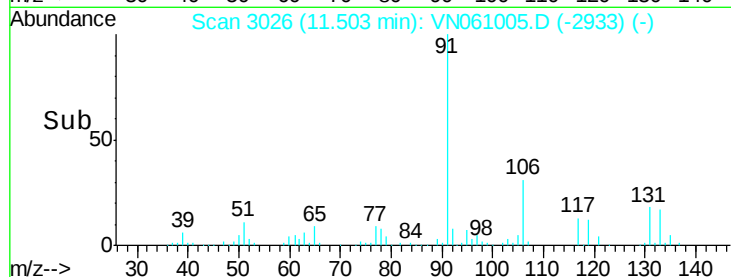
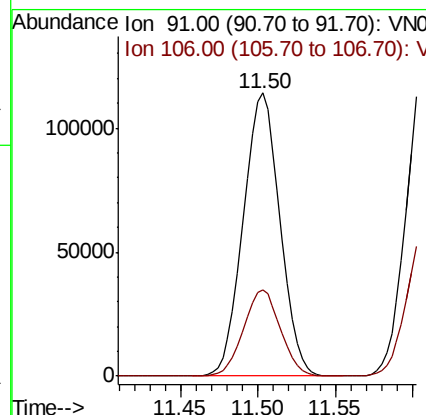
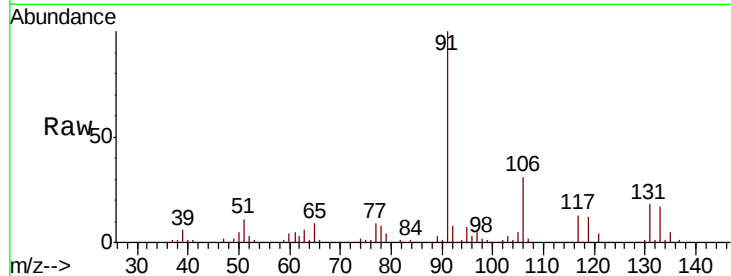




#67
Ethyl Benzene
Concen: 20.635 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

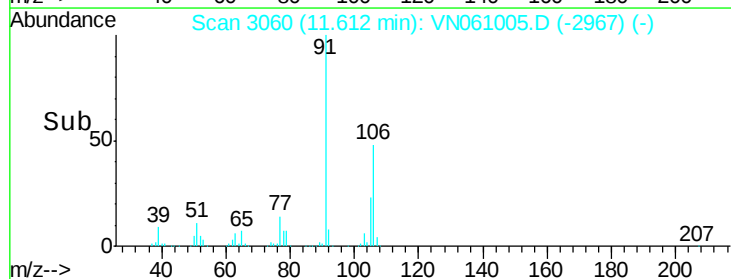
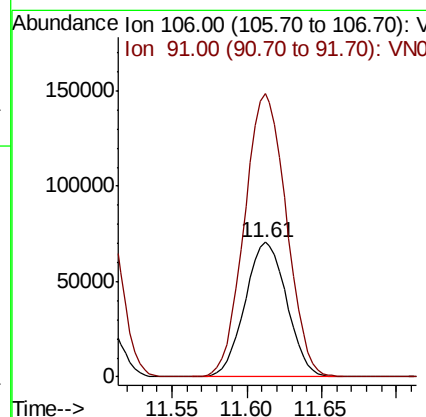
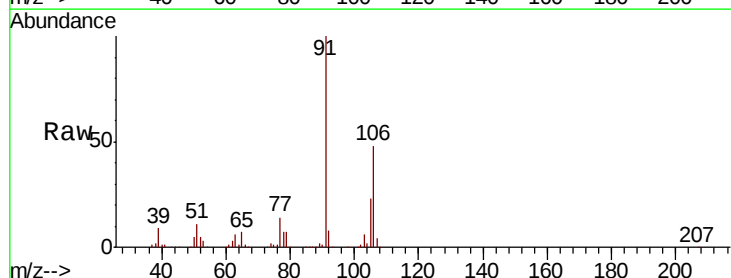
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

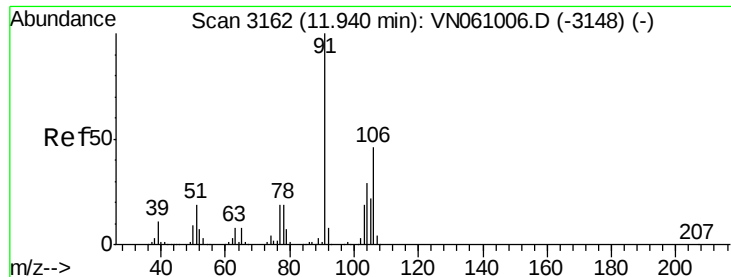
Tot Ion: 91 Resp: 188449
Ion Ratio Lower Upper
91 100
106 30.5 23.8 35.8



#68
m/p-Xylenes
Concen: 40.594 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion: 106 Resp: 137213
Ion Ratio Lower Upper
106 100
91 211.2 167.9 251.9

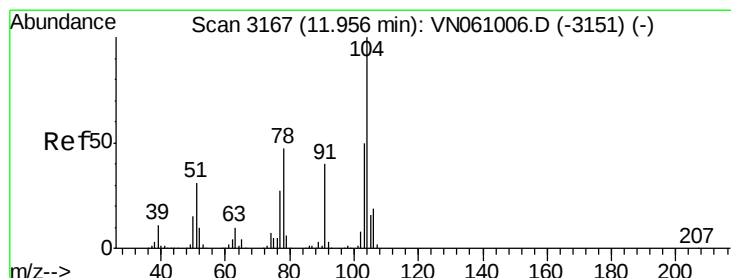
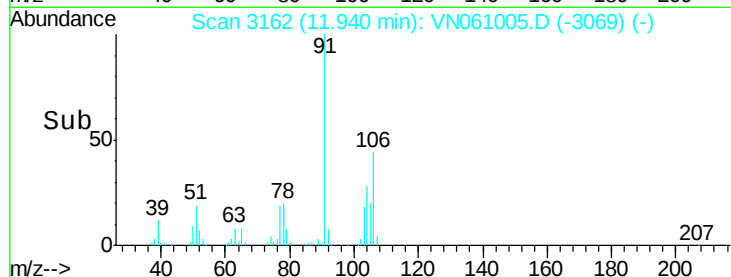
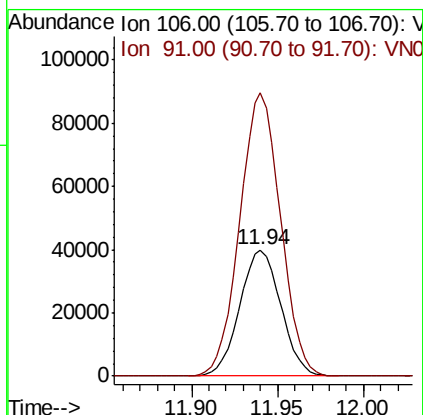
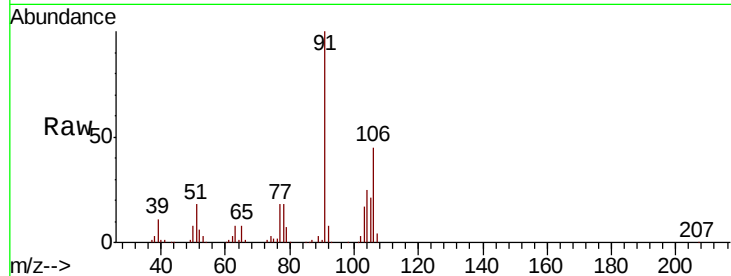




#69
o-Xylene
Concen: 20.526 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

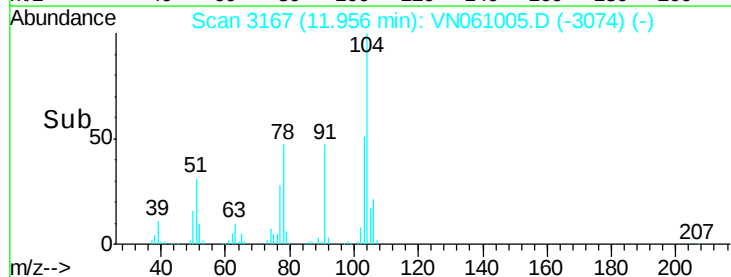
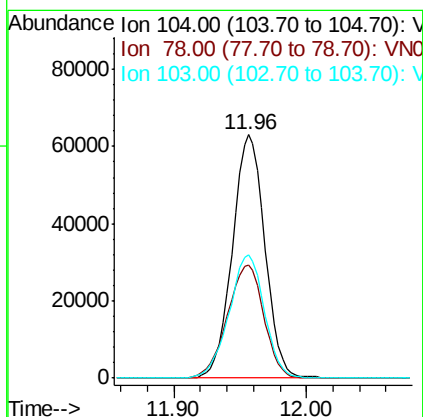
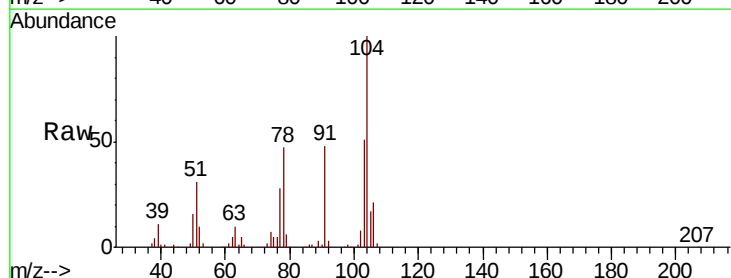
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

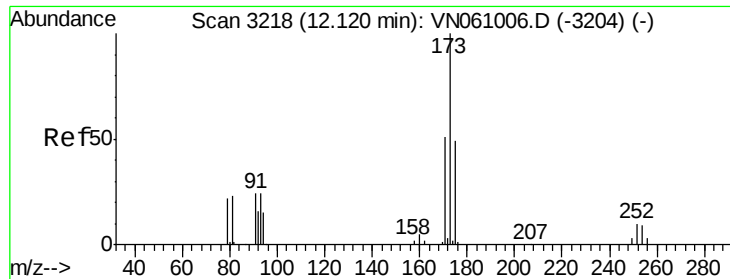
Tot Ion:106 Resp: 66215
Ion Ratio Lower Upper
106 100
91 222.6 110.7 332.1



#70
Styrene
Concen: 20.238 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion:104 Resp: 106893
Ion Ratio Lower Upper
104 100
78 52.2 42.2 63.4
103 55.1 44.4 66.6

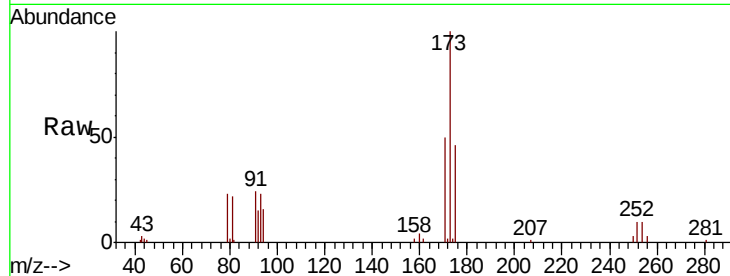




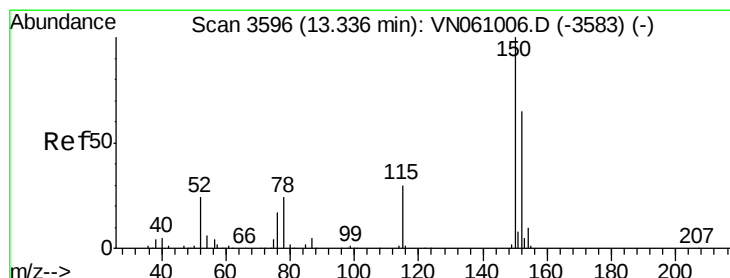
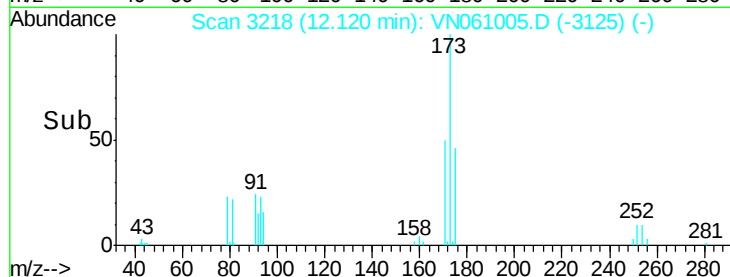
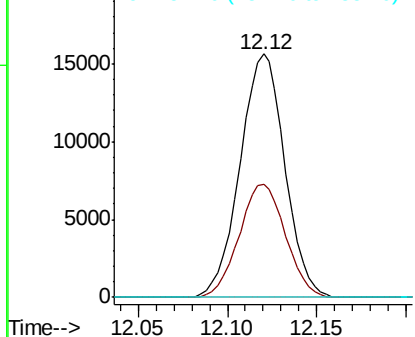
#71
Bromoform
Concen: 20.704 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:173 Resp: 27393
Ion Ratio Lower Upper
173 100
175 48.0 24.5 73.5
254 0.0 0.0 0.0

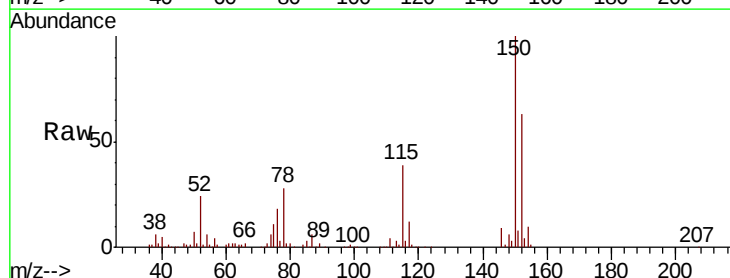


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

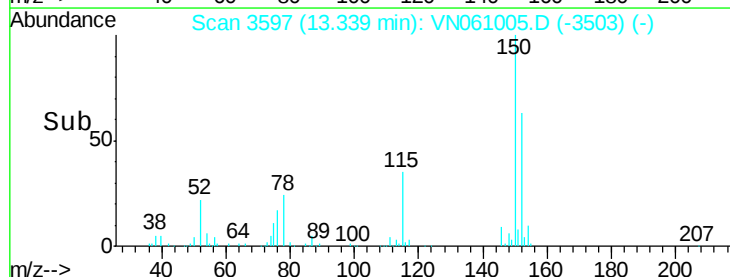
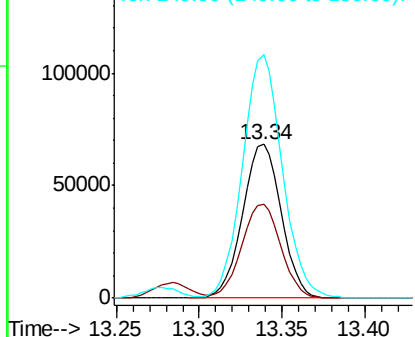


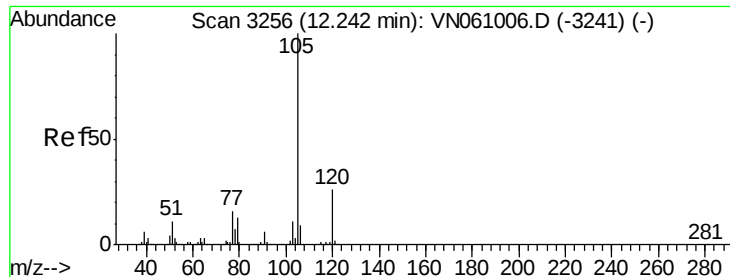
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion:152 Resp: 110922
Ion Ratio Lower Upper
152 100
115 61.6 30.8 92.4
150 163.3 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.190 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

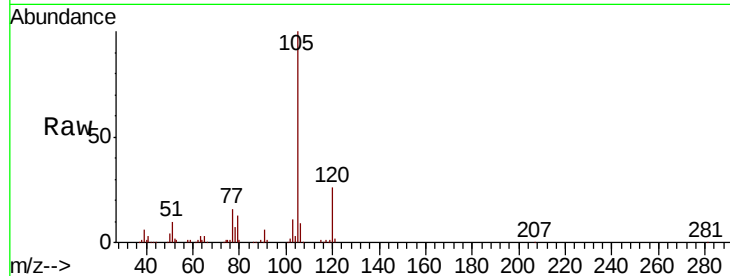
VSTDIC020

Tot Ion:105 Resp: 177402

Ion Ratio Lower Upper

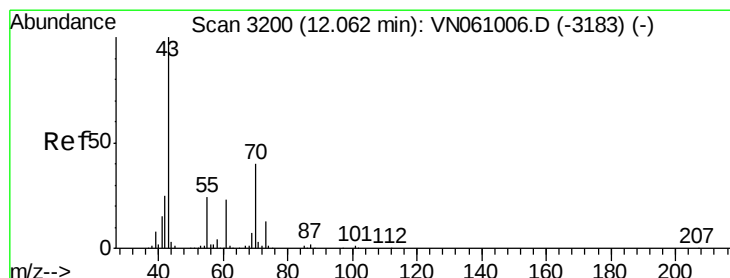
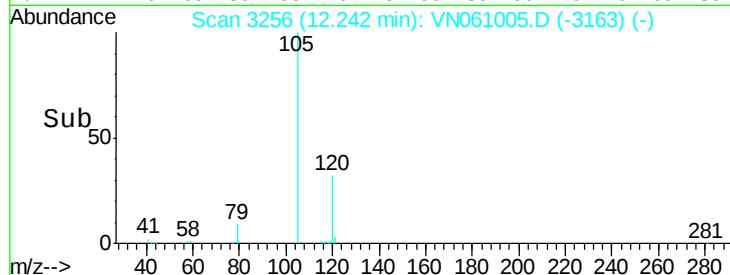
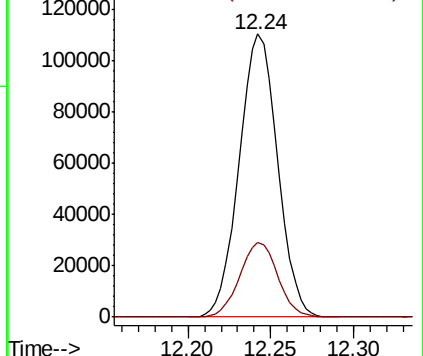
105 100

120 26.1 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.279 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Tgt Ion: 43 Resp: 82663

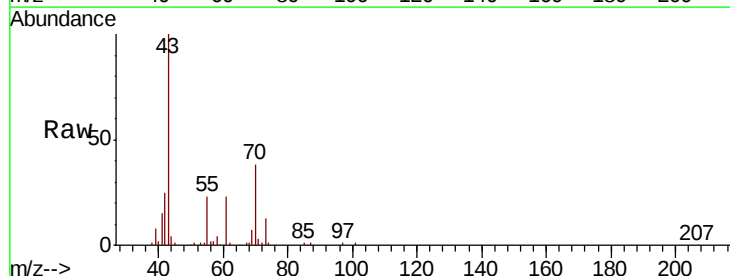
Ion Ratio Lower Upper

43 100

70 38.1 31.0 46.6

55 23.3 18.6 27.8

61 22.9 18.2 27.4

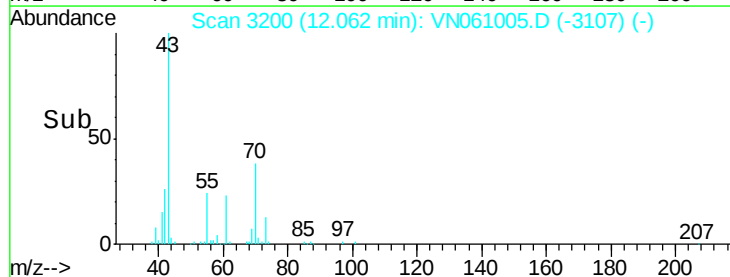
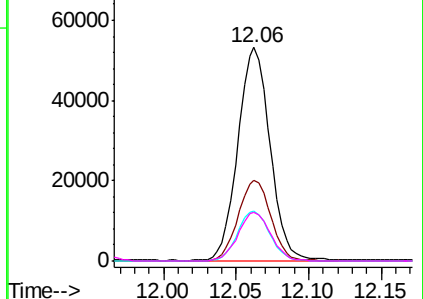


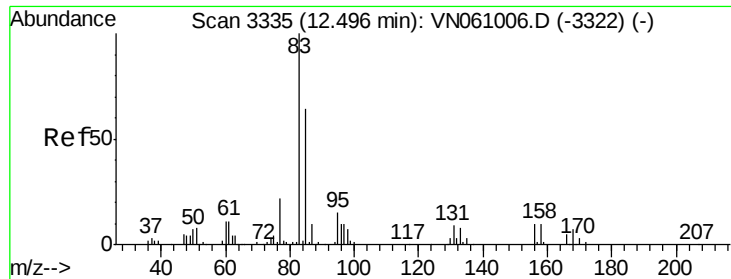
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.999 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

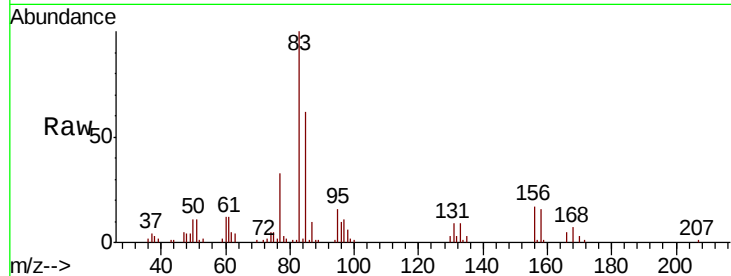
Tot Ion: 83 Resp: 55985

Ion Ratio Lower Upper

83 100

131 9.3 4.8 14.3

85 63.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

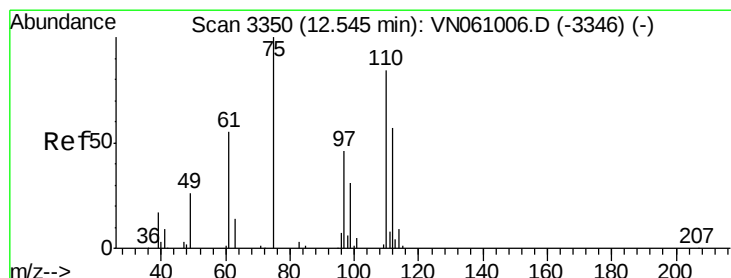
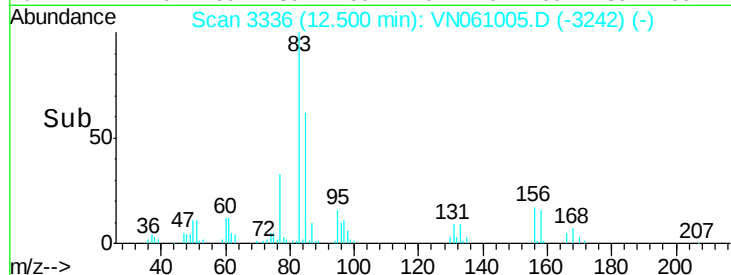
30000

20000

10000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 31.316 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN061005.D

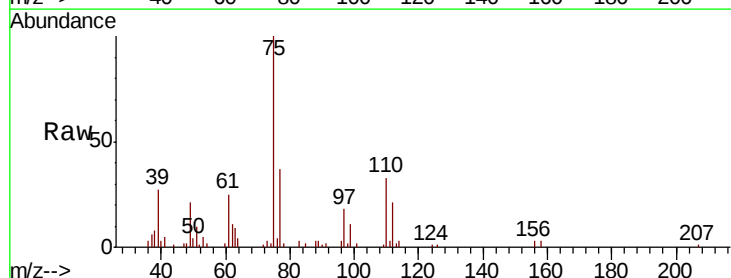
Acq: 16 Apr 2020 11:56

Tgt Ion: 75 Resp: 75227

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

50000

40000

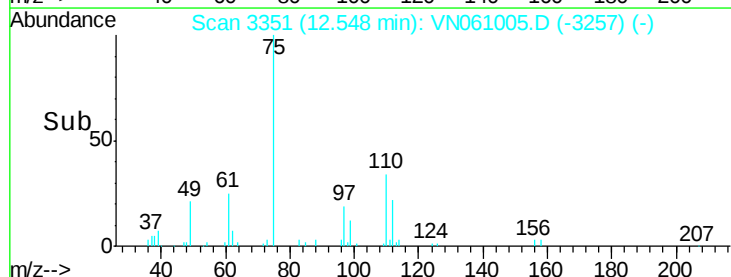
30000

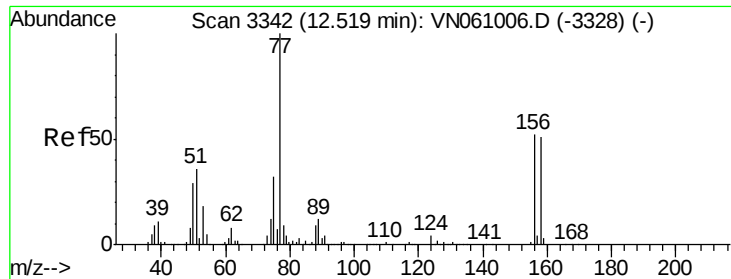
20000

10000

0

Time-->





#77

Bromobenzene

Concen: 20.834 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

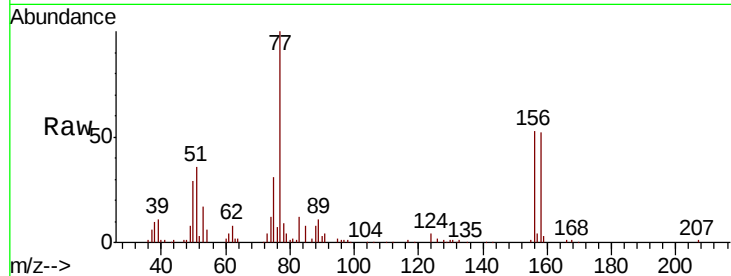
Tot Ion:156 Resp: 41870

Ion Ratio Lower Upper

156 100

77 227.0 115.6 346.8

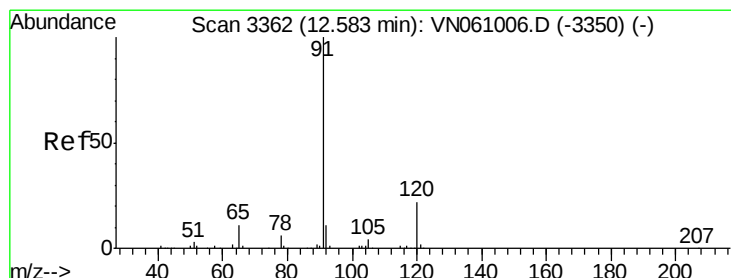
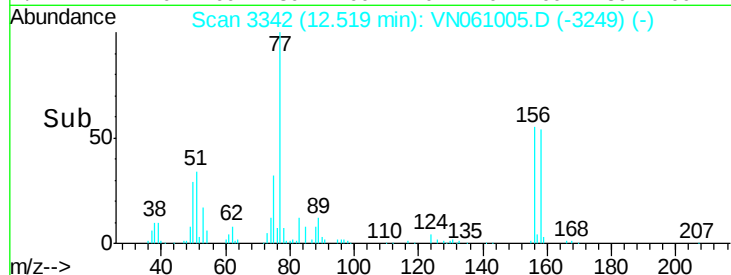
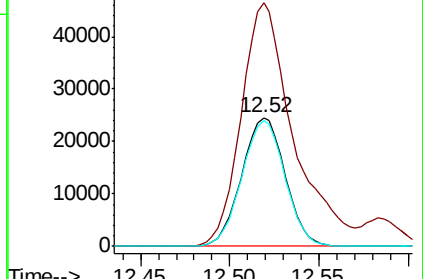
158 96.8 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.128 ug/l

RT: 12.58 min Scan# 3362

Delta R.T. -0.00 min

Lab File: VN061005.D

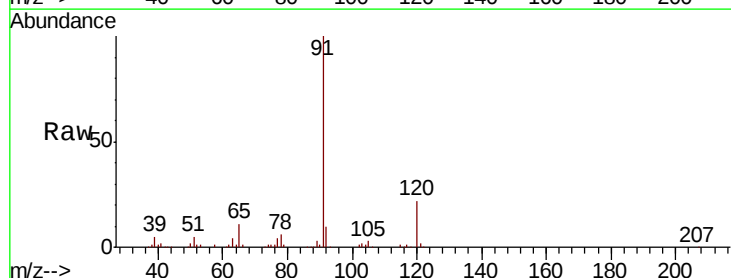
Acq: 16 Apr 2020 11:56

Tgt Ion: 91 Resp: 209653

Ion Ratio Lower Upper

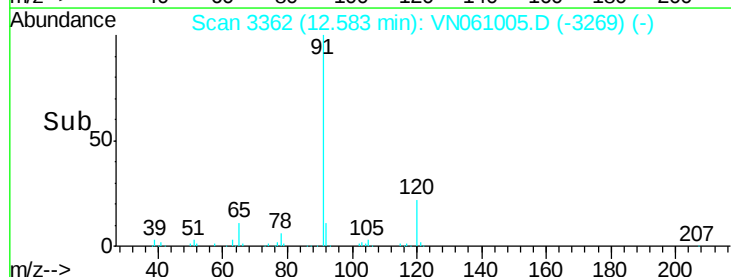
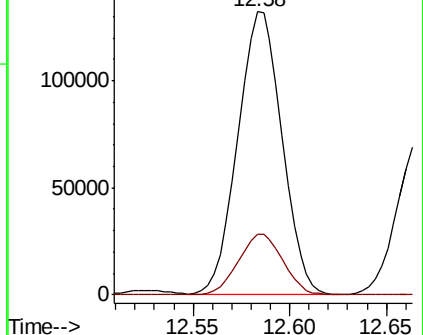
91 100

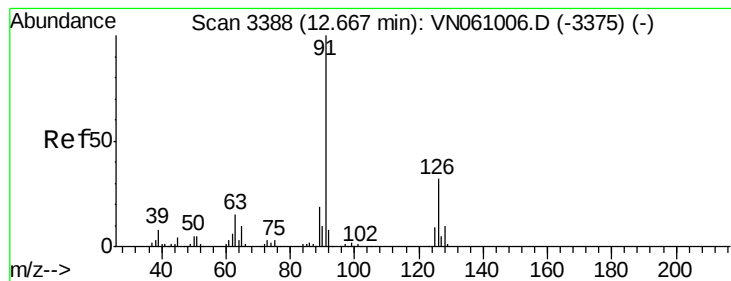
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.749 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampled :

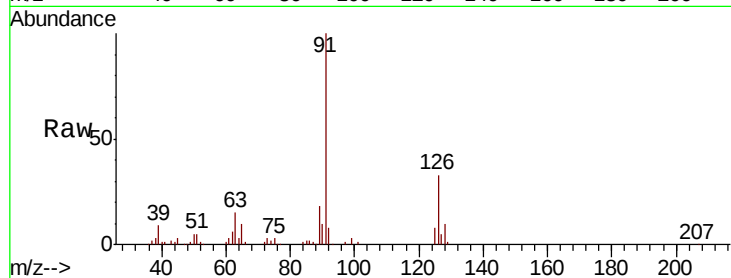
VSTDIC020

Tot Ion: 91 Resp: 122540

Ion Ratio Lower Upper

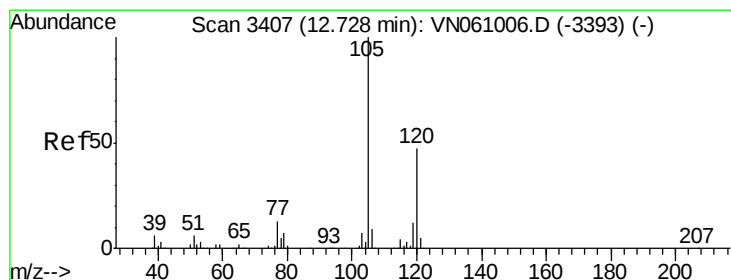
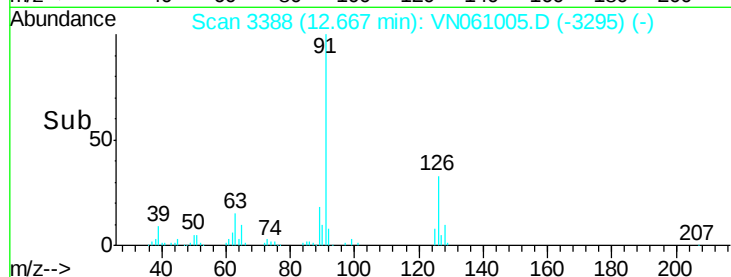
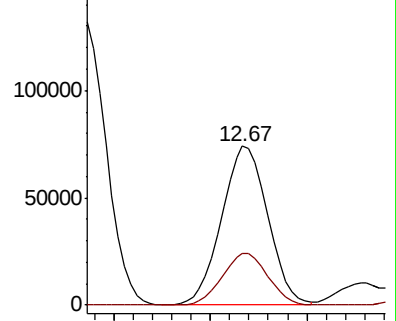
91 100

126 32.2 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN061005.D (-3295) (-)

Ion 125.90 (125.60 to 126.60): VN061005.D (-3295) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.843 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN061005.D

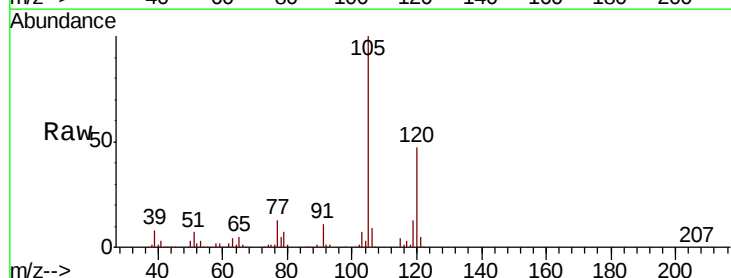
Acq: 16 Apr 2020 11:56

Tgt Ion: 105 Resp: 148198

Ion Ratio Lower Upper

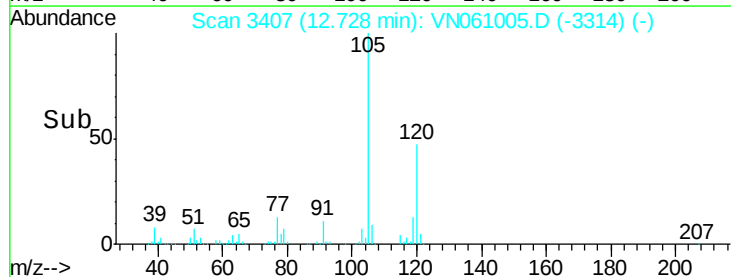
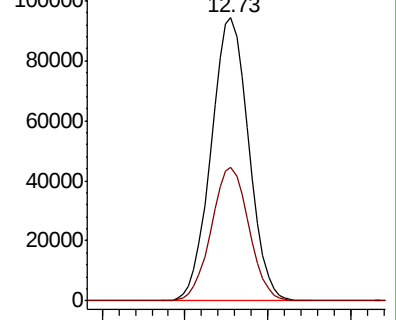
105 100

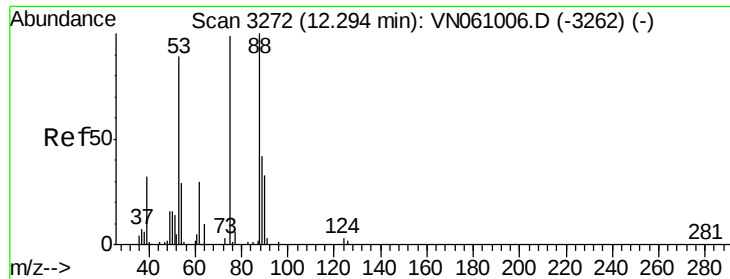
120 47.2 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061005.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN061005.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.320 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

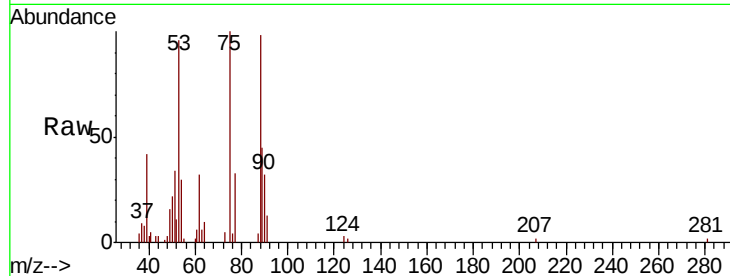
Tot Ion: 75 Resp: 19105

Ion	Ratio	Lower	Upper
75	100		
53	95.3	74.7	112.1
89	43.5	34.6	52.0

75 100

53 95.3 74.7 112.1

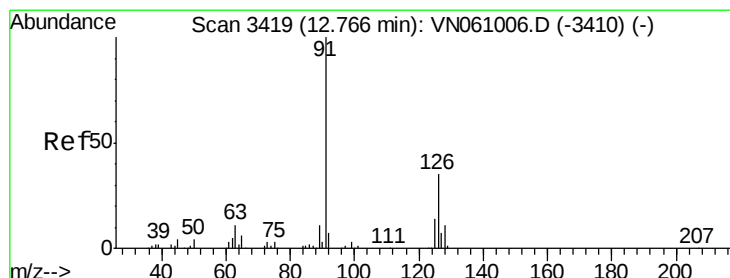
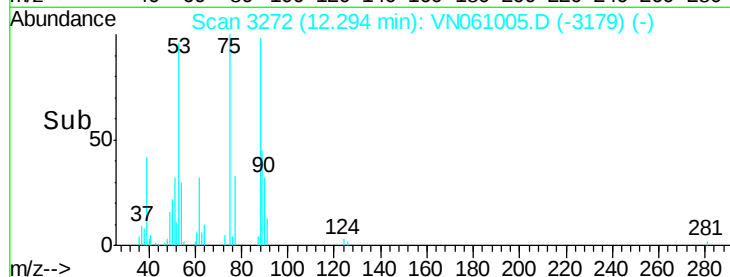
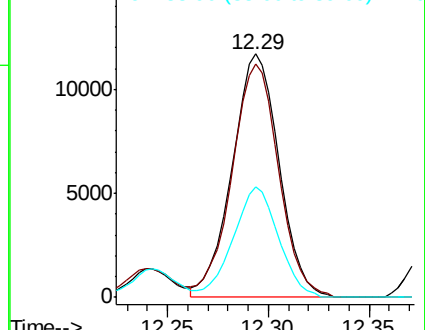
89 43.5 34.6 52.0



Abundance Ion 74.90 (74.60 to 75.60): VN061005.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN061005.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN061005.D (-3179) (-)



#82

4-Chlorotoluene

Concen: 21.067 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN061005.D

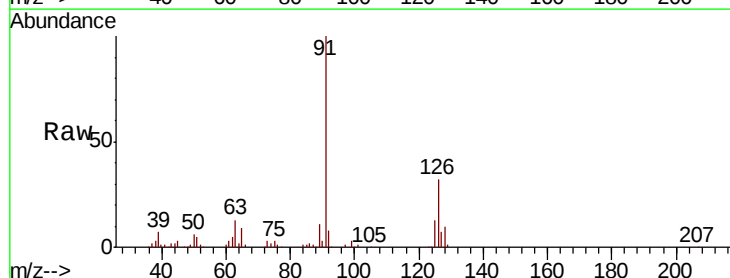
Acq: 16 Apr 2020 11:56

Tgt Ion: 91 Resp: 127006

Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.9	47.6

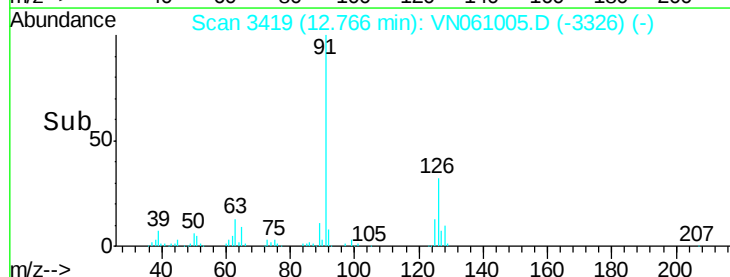
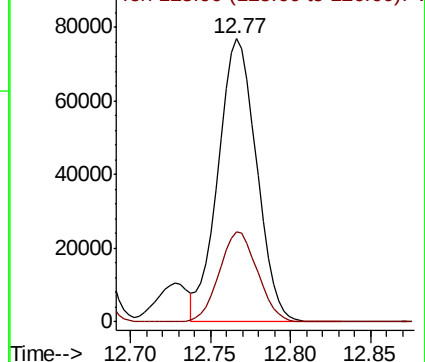
91 100

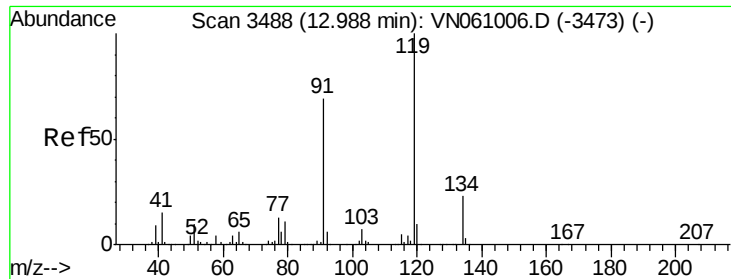
126 31.5 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN061005.D (-3326) (-)

Ion 125.90 (125.60 to 126.60): VN061005.D (-3326) (-)

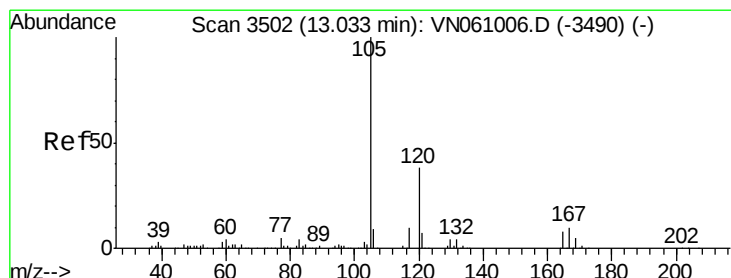
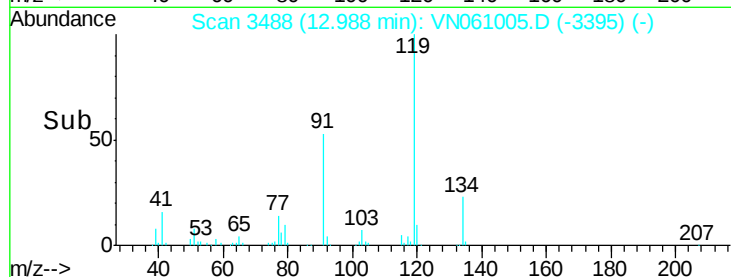
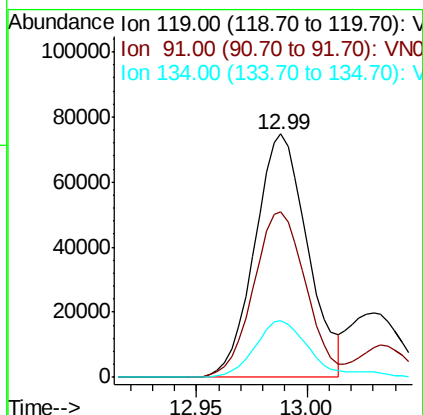
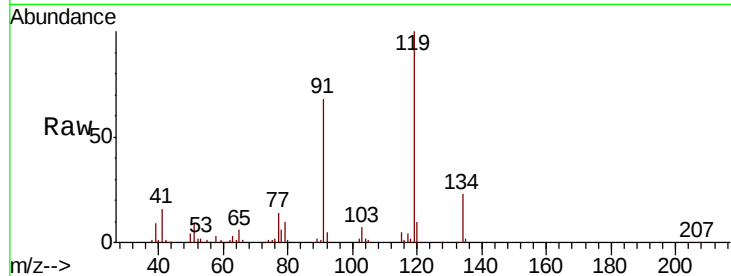




#83
tert-Butylbenzene
Concen: 21.039 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

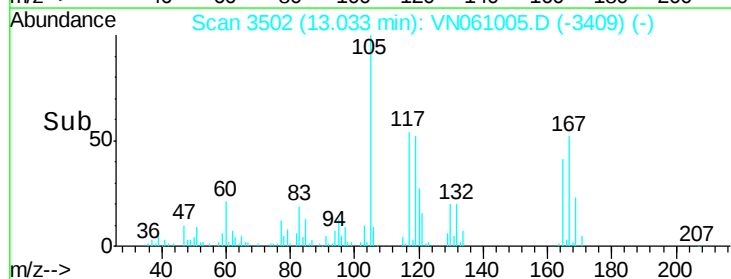
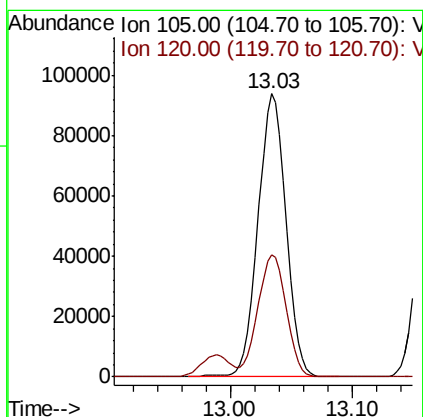
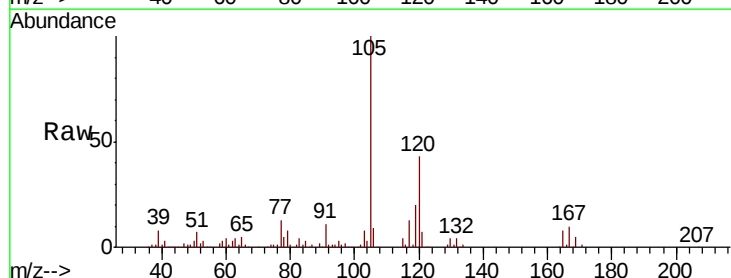
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

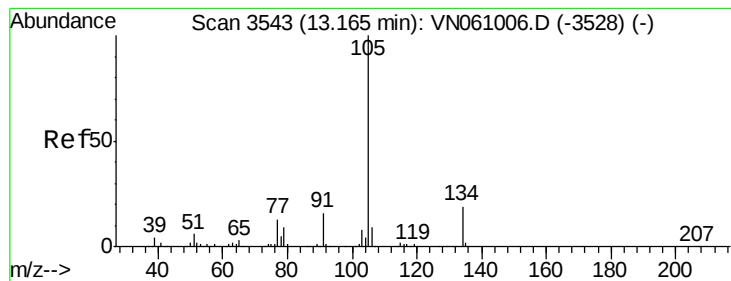
Tot Ion:119 Resp: 124028
Ion Ratio Lower Upper
119 100
91 67.8 34.1 102.3
134 24.9 12.4 37.2



#84
1,2,4-Trimethylbenzene
Concen: 21.137 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN061005.D
Acq: 16 Apr 2020 11:56

Tgt Ion:105 Resp: 148563
Ion Ratio Lower Upper
105 100
120 43.9 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.005 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

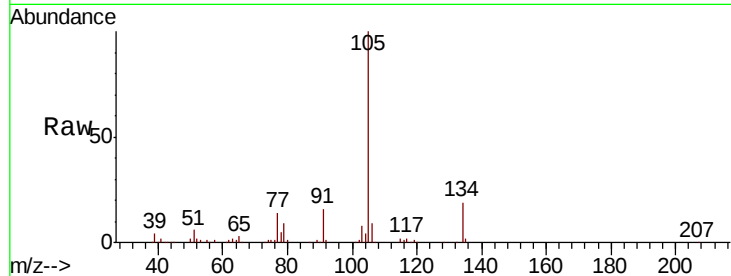
VSTDIC020

Tot Ion:105 Resp: 166914

Ion Ratio Lower Upper

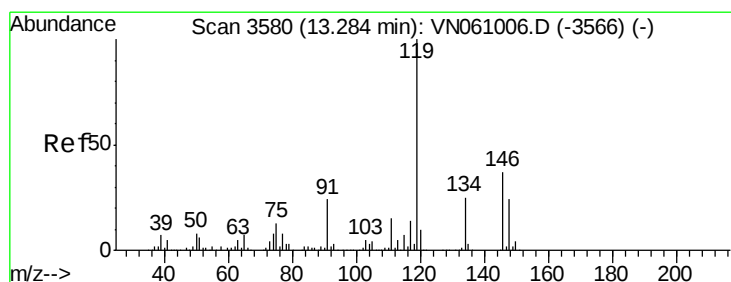
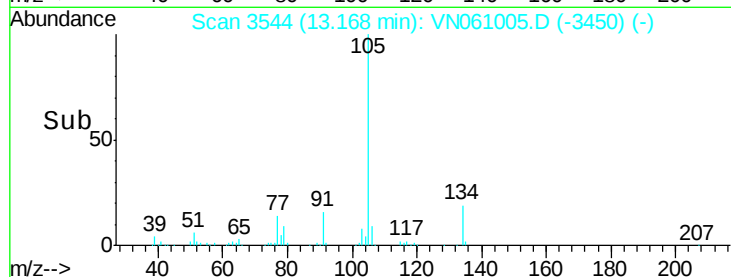
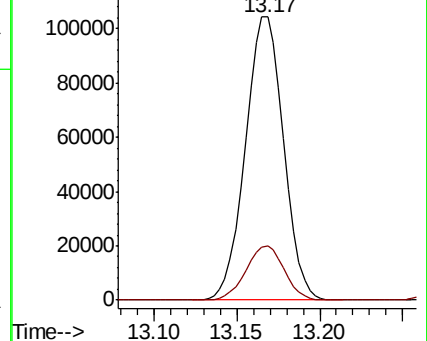
105 100

134 19.2 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.897 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

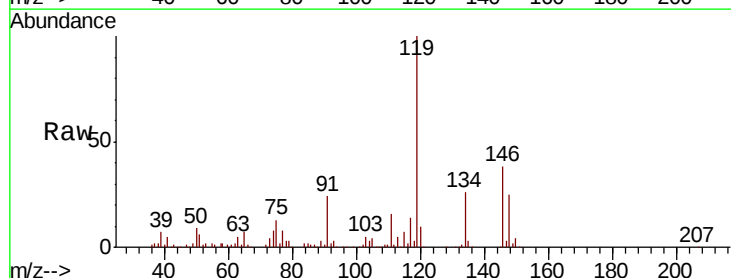
Tgt Ion:119 Resp: 149179

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

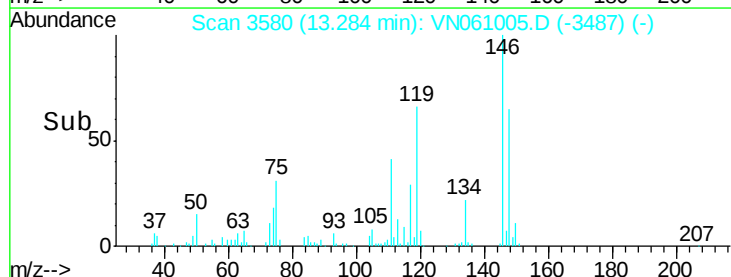
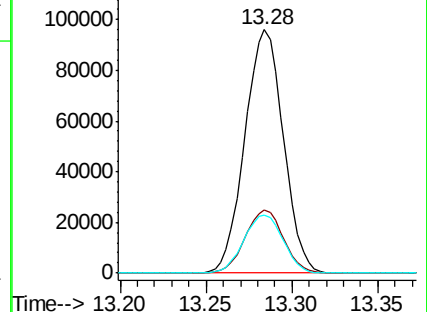
91 24.5 12.3 36.8

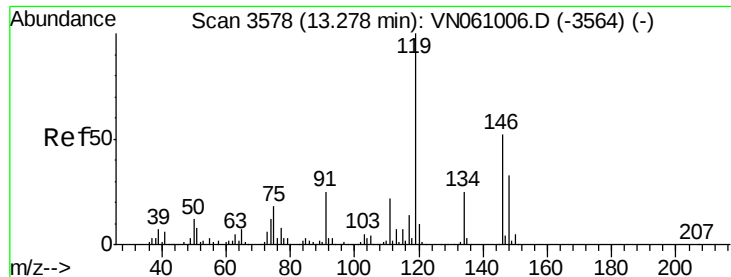


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

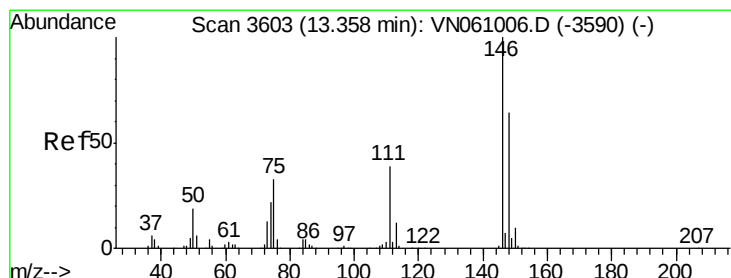
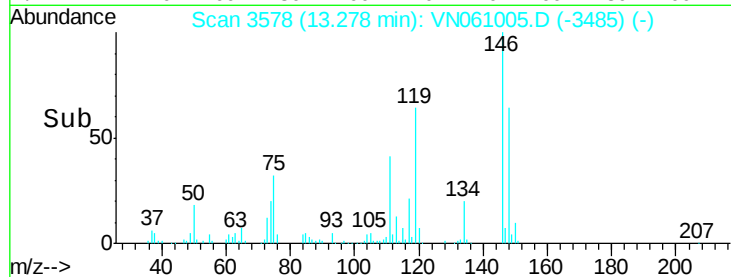
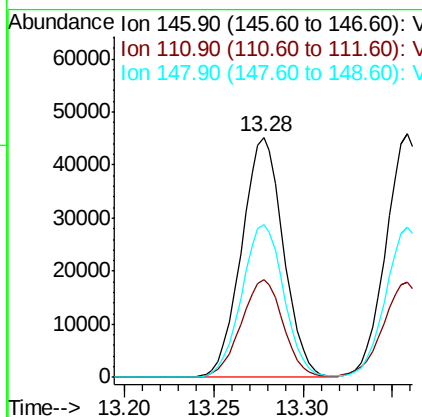
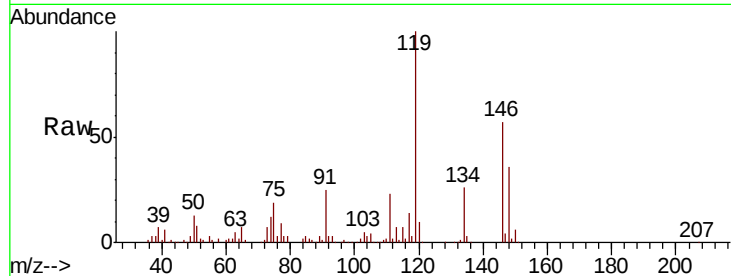




#87
 1,3-Dichlorobenzene
 Concen: 20.706 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

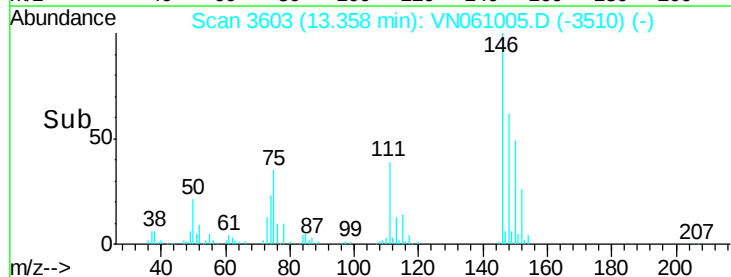
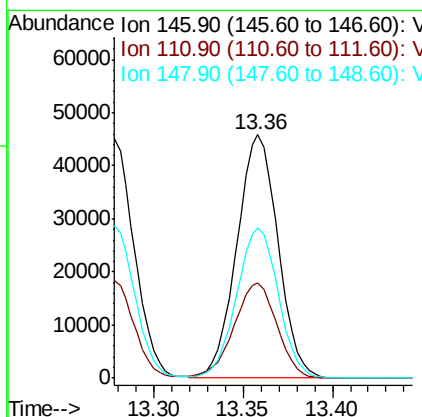
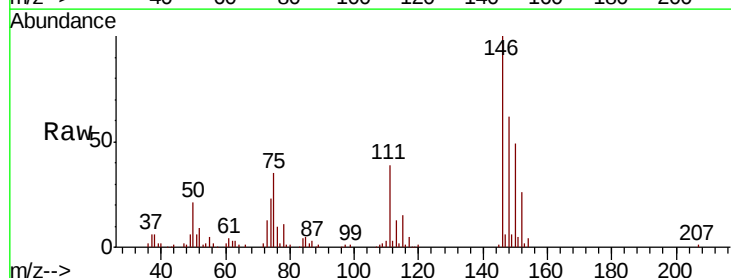
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

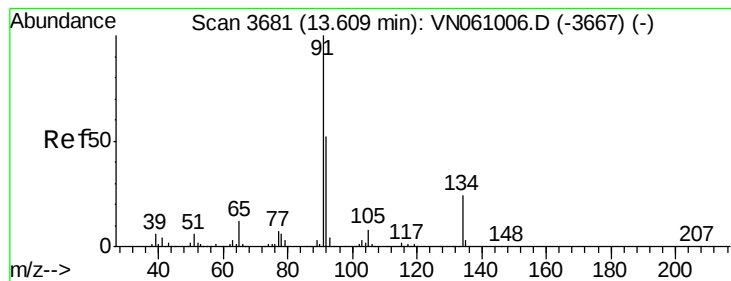
Tot Ion:146 Resp: 73659
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.6 61.8
 148 64.4 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 20.675 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion:146 Resp: 73788
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.1 60.3
 148 62.7 32.1 96.3





#89

n-Butylbenzene

Concen: 20.950 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

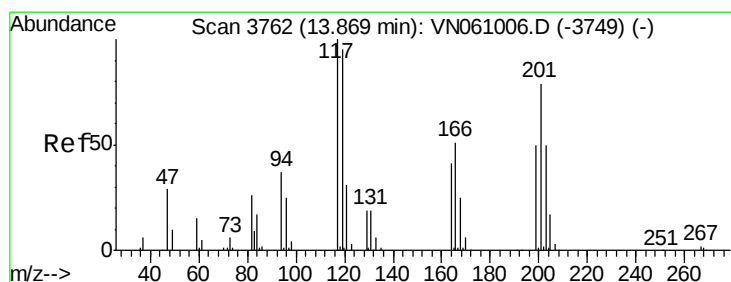
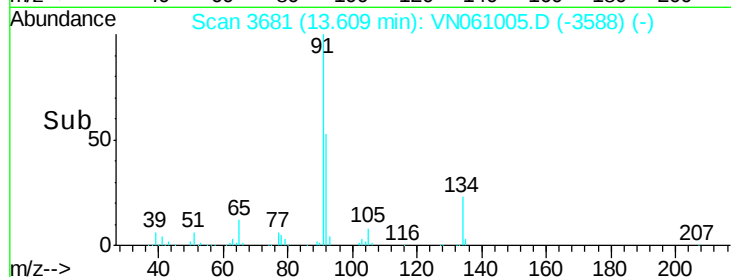
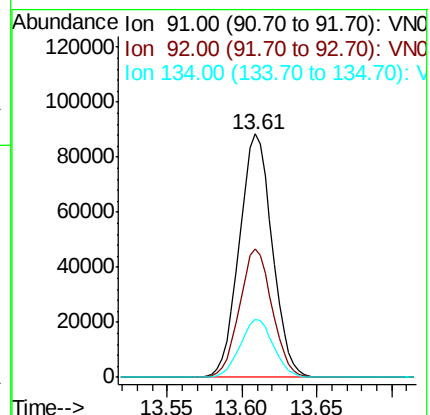
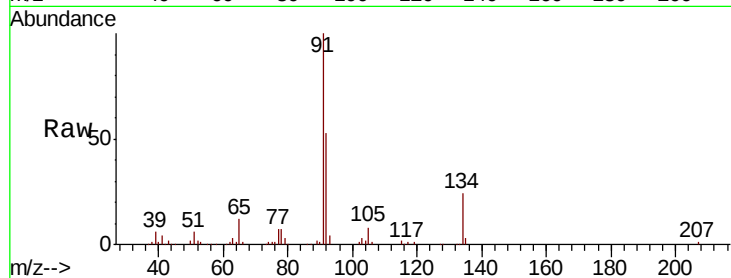
Tot Ion: 91 Resp: 135696

Ion Ratio Lower Upper

91 100

92 52.3 26.1 78.2

134 24.0 12.3 36.8



#90

Hexachloroethane

Concen: 21.670 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN061005.D

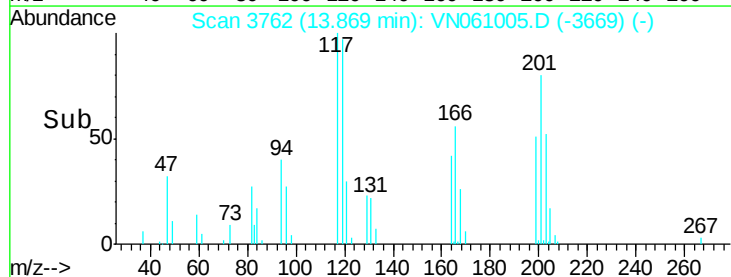
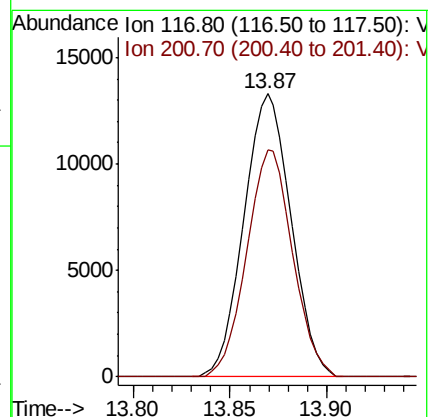
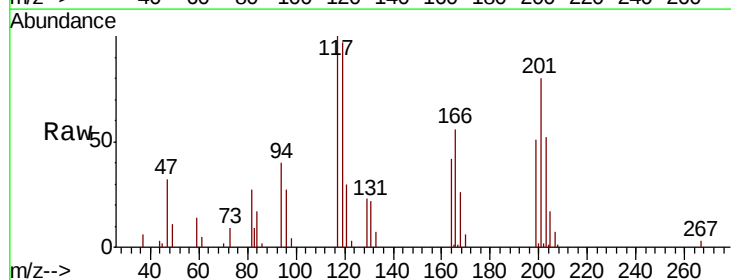
Acq: 16 Apr 2020 11:56

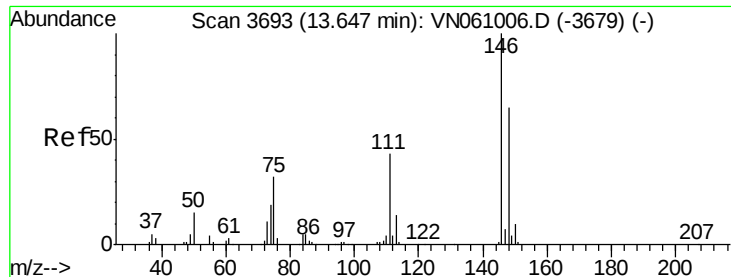
Tgt Ion: 117 Resp: 22555

Ion Ratio Lower Upper

117 100

201 78.2 39.3 117.9





#91

1,2-Dichlorobenzene

Concen: 20.810 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

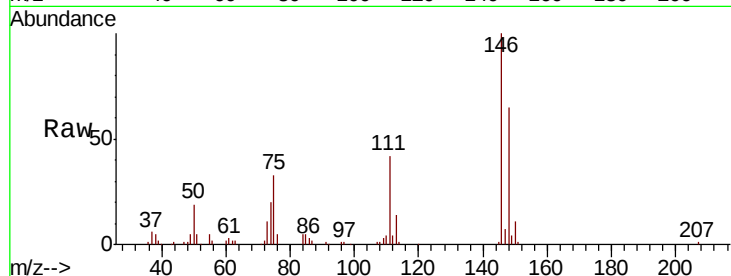
Tot Ion:146 Resp: 70581

Ion Ratio Lower Upper

146 100

111 42.1 21.3 64.0

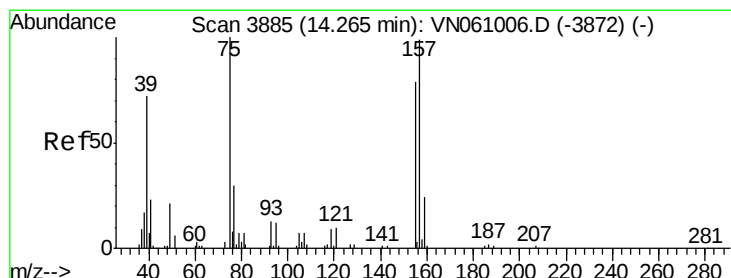
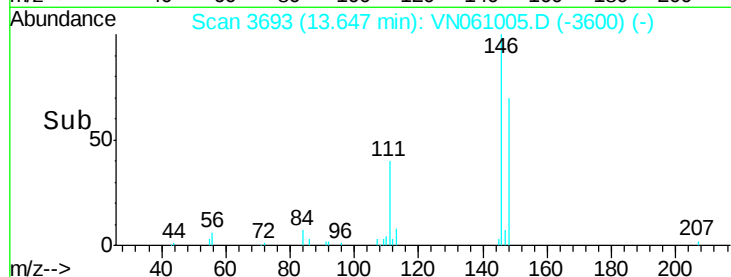
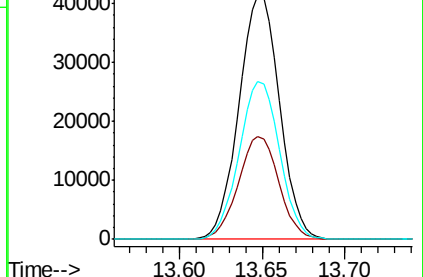
148 64.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.911 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

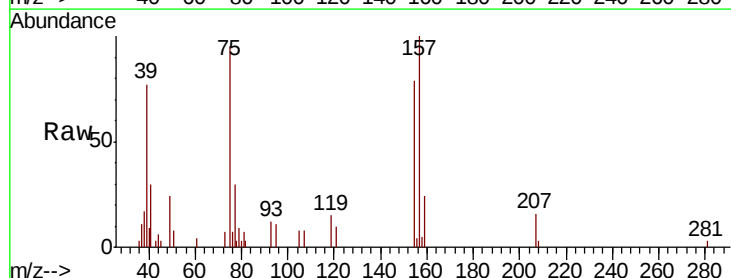
Tgt Ion: 75 Resp: 10783

Ion Ratio Lower Upper

75 100

155 77.1 39.5 118.5

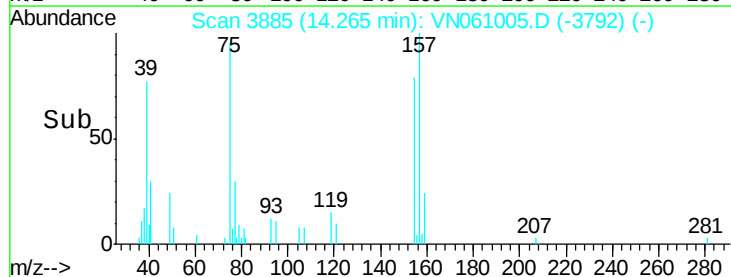
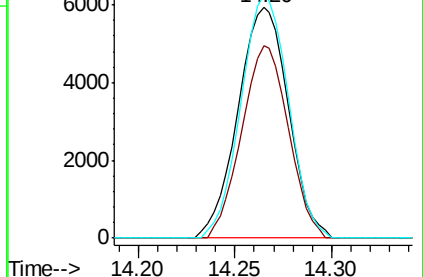
157 98.8 50.1 150.4

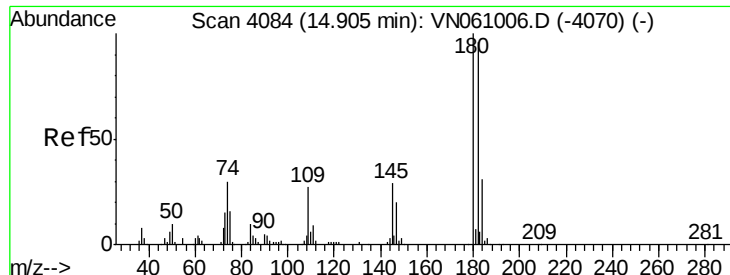


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

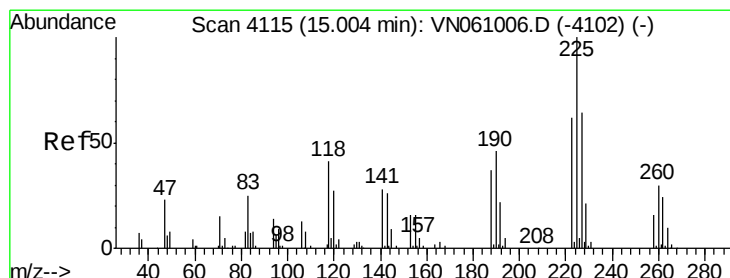
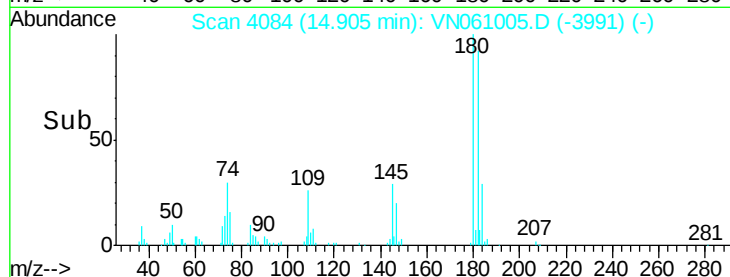
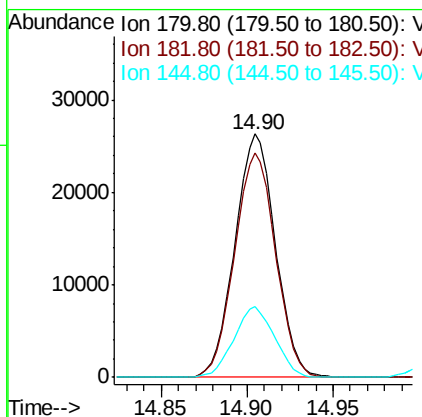
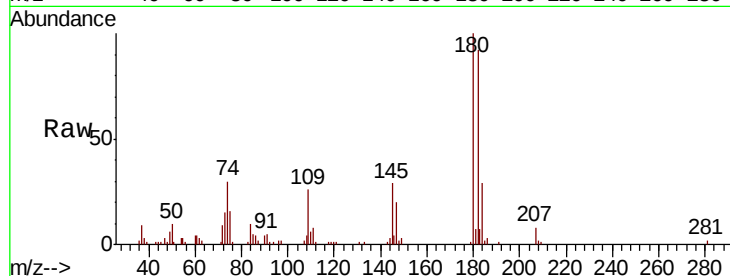




#93
 1,2,4-Trichlorobenzene
 Concen: 20.629 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

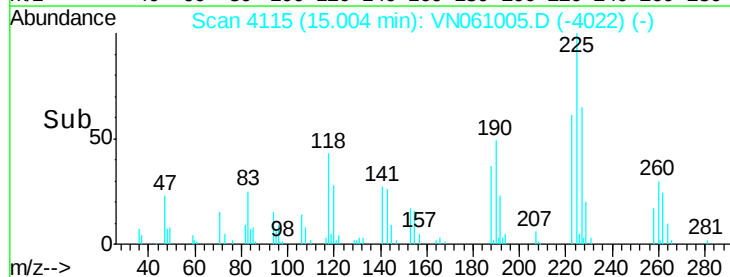
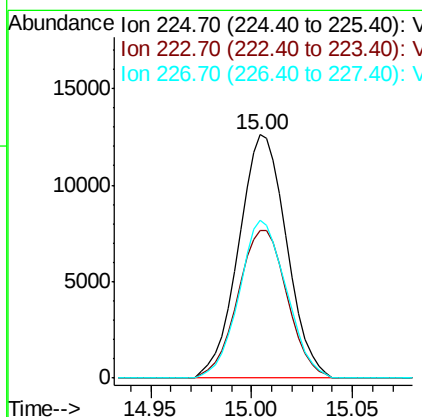
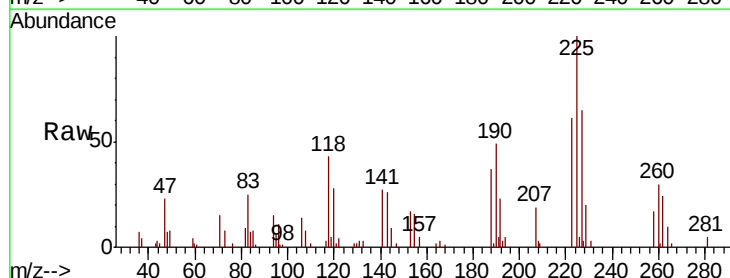
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

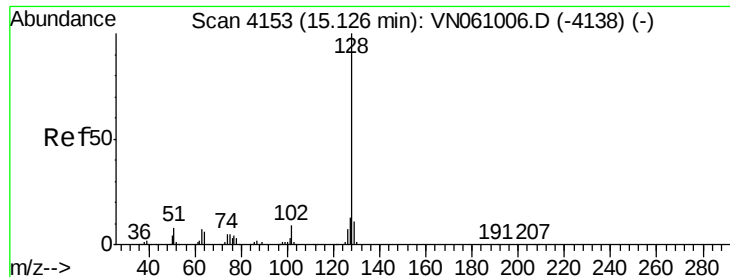
Tot Ion:180 Resp: 42942
 Ion Ratio Lower Upper
 180 100
 182 93.1 47.8 143.3
 145 29.1 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 20.407 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN061005.D
 Acq: 16 Apr 2020 11:56

Tgt Ion:225 Resp: 20999
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.3 93.8
 227 63.7 31.9 95.5





#95

Naphthalene

Concen: 20.192 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

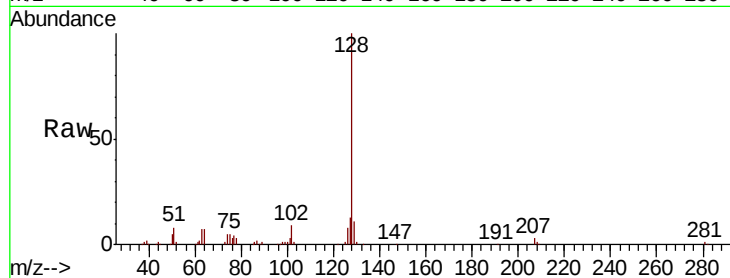
Tot Ion:128 Resp: 125769

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

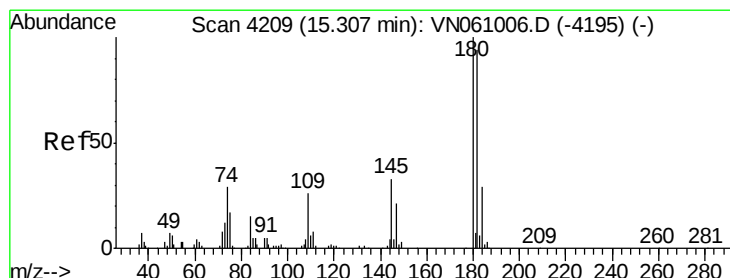
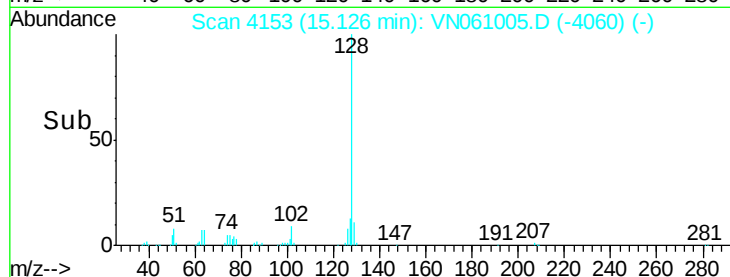
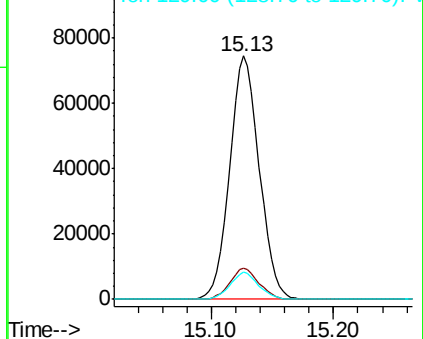
129 10.6 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.007 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.00 min

Lab File: VN061005.D

Acq: 16 Apr 2020 11:56

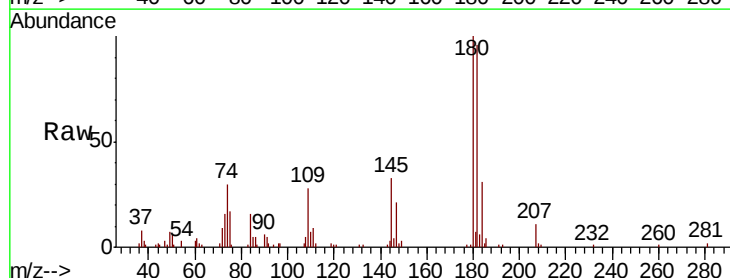
Tgt Ion:180 Resp: 41030

Ion Ratio Lower Upper

180 100

182 94.4 47.6 142.8

145 32.8 16.4 49.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

