

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051620\
 Data File : VN061419.D
 Acq On : 15 May 2020 20:59
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: May 16 02:49:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051620W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 02:35:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	148038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	268559	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	251931	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	104007	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	10960	4.70	ug/l	0.00
Spiked Amount			Recovery	=	9.40%	
35) Dibromofluoromethane	7.55	113	7591	4.92	ug/l	0.00
Spiked Amount			Recovery	=	9.84%	
50) Toluene-d8	10.06	98	32945	5.05	ug/l	0.00
Spiked Amount			Recovery	=	10.10%	
62) 4-Bromofluorobenzene	12.38	95	11302	4.60	ug/l	0.00
Spiked Amount			Recovery	=	9.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	5905	3.982	ug/l	96
3) Chloromethane	2.03	50	13504	6.935	ug/l	95
4) Vinyl Chloride	2.16	62	20892	8.804	ug/l	99
5) Bromomethane	2.54	94	12385	9.970	ug/l	100
6) Chloroethane	2.67	64	15098	9.838	ug/l	97
7) Trichlorofluoromethane	2.98	101	29933	11.236	ug/l	99
8) Diethyl Ether	3.37	74	5412	5.452	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	7790	5.104	ug/l #	84
10) Methyl Iodide	3.91	142	9061	4.662	ug/l	98
11) Tert butyl alcohol	4.74	59	3705	13.326	ug/l #	86
12) 1,1-Dichloroethene	3.69	96	7968	5.182	ug/l	90
13) Acrolein	3.57	56	6256	30.570	ug/l	96
14) Allyl chloride	4.27	41	13701	4.932	ug/l	99
15) Acrylonitrile	4.94	53	18086	19.757	ug/l	98
16) Acetone	3.78	43	13949	12.633	ug/l	97
17) Carbon Disulfide	4.01	76	22894	5.519	ug/l	97
18) Methyl Acetate	4.28	43	8811	2.953	ug/l	92
19) Methyl tert-butyl Ether	4.99	73	30882	5.225	ug/l	100
20) Methylene Chloride	4.51	84	10117	5.608	ug/l	94
21) trans-1,2-Dichloroethene	5.00	96	9806	5.796	ug/l	87
22) Diisopropyl ether	5.90	45	31424	4.800	ug/l #	91
23) Vinyl Acetate	5.85	43	127141	24.155	ug/l	99
24) 1,1-Dichloroethane	5.80	63	18304	5.272	ug/l	100
25) 2-Butanone	6.79	43	24084	18.617	ug/l	99
26) 2,2-Dichloropropane	6.77	77	14861	5.064	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	11093	5.537	ug/l	99
28) Bromochloromethane	7.15	49	7823	4.691	ug/l #	99
29) Tetrahydrofuran	7.17	42	16604	18.964	ug/l	99
30) Chloroform	7.33	83	17918	5.065	ug/l	97
31) Cyclohexane	7.61	56	20546	6.093	ug/l #	90
32) 1,1,1-Trichloroethane	7.53	97	16280	5.253	ug/l	98
36) 1,1-Dichloropropene	7.75	75	13759	5.171	ug/l	99
37) Ethyl Acetate	6.88	43	11879	3.987	ug/l	98
38) Carbon Tetrachloride	7.73	117	11106	5.164	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051620\
 Data File : VN061419.D
 Acq On : 15 May 2020 20:59
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: May 16 02:49:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051620W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 16 02:35:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	16896	5.572	ug/l	96
40) Benzene	8.00	78	41683	5.232	ug/l	100
41) Methacrylonitrile	7.12	41	4988	3.879	ug/l #	80
42) 1,2-Dichloroethane	8.09	62	14837	4.959	ug/l	100
43) Isopropyl Acetate	8.13	43	23231	4.604	ug/l	97
44) Trichloroethene	8.80	130	10537	4.917	ug/l	85
45) 1,2-Dichloropropane	9.09	63	10960	5.185	ug/l	97
46) Dibromomethane	9.18	93	7087	5.364	ug/l	99
47) Bromodichloromethane	9.37	83	14654	5.172	ug/l	97
48) Methyl methacrylate	9.17	41	10731	4.726	ug/l	96
49) 1,4-Dioxane	9.18	88	1065m	43.723	ug/l	
51) 4-Methyl-2-Pentanone	9.95	43	60171	20.558	ug/l	98
52) Toluene	10.13	92	25686	5.307	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	15877	4.973	ug/l	96
54) cis-1,3-Dichloropropene	9.81	75	16979	5.035	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	9595	5.003	ug/l	99
56) Ethyl methacrylate	10.40	69	15630	5.404	ug/l	92
57) 1,3-Dichloropropane	10.68	76	17404	5.192	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	32476	21.426	ug/l	100
59) 2-Hexanone	10.72	43	40324	19.112	ug/l	98
60) Dibromochloromethane	10.88	129	10466	5.178	ug/l	95
61) 1,2-Dibromoethane	10.98	107	10087	5.242	ug/l	98
64) Tetrachloroethene	10.60	164	10104	4.717	ug/l	94
65) Chlorobenzene	11.41	112	26755	5.345	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	9147	5.092	ug/l	99
67) Ethyl Benzene	11.48	91	48798	5.205	ug/l	100
68) m/p-Xylenes	11.60	106	36193	10.516	ug/l	99
69) o-Xylene	11.92	106	17831	5.393	ug/l	98
70) Styrene	11.94	104	28784	5.182	ug/l	100
71) Bromoform	12.10	173	5989	4.599	ug/l #	95
73) Isopropylbenzene	12.22	105	45571	5.925	ug/l	99
74) N-amyl acetate	12.05	43	18492	4.937	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	13814	5.876	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	12346m	5.703	ug/l	
77) Bromobenzene	12.50	156	10224	5.820	ug/l	95
78) n-propylbenzene	12.57	91	52809	5.807	ug/l	100
79) 2-Chlorotoluene	12.65	91	30753	5.749	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	37676	5.901	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	4285	5.050	ug/l	97
82) 4-Chlorotoluene	12.75	91	32139	5.703	ug/l	99
83) tert-Butylbenzene	12.97	119	32513	6.074	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	38035	5.800	ug/l	99
85) sec-Butylbenzene	13.15	105	43006	5.878	ug/l	100
86) p-Isopropyltoluene	13.26	119	37392	5.674	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	17583	5.425	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	17758	5.352	ug/l	92
89) n-Butylbenzene	13.59	91	32919	5.457	ug/l	99
90) Hexachloroethane	13.85	117	4914	7.574	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	16298	5.240	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2287	4.658	ug/l	94

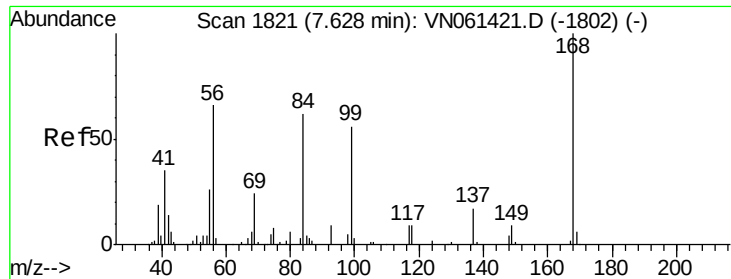
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051620\
Data File : VN061419.D
Acq On : 15 May 2020 20:59
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: May 16 02:49:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051620W.M
Quant Title : SW846 8260
QLast Update : Sat May 16 02:35:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	8503	4.564	ug/l	97
94) Hexachlorobutadiene	14.98	225	3592	4.660	ug/l	97
95) Naphthalene	15.11	128	27351	4.517	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	8776	4.776	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

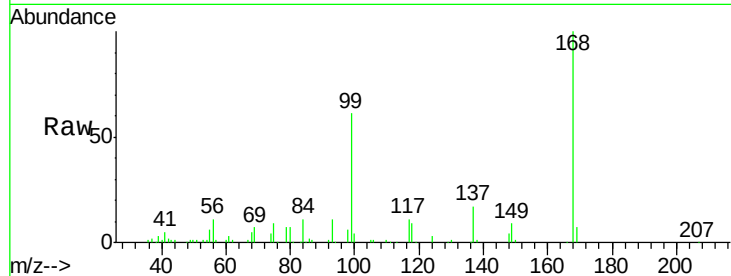
VSTDIC005

Tot Ion:168 Resp: 148038

Ion Ratio Lower Upper

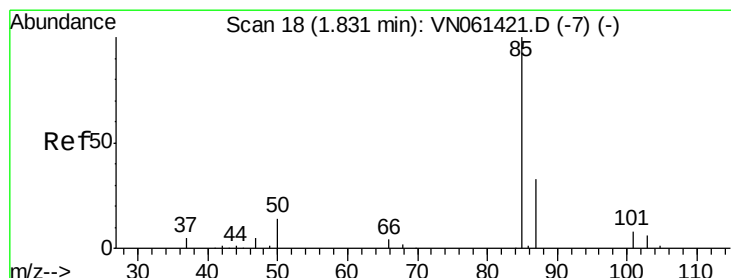
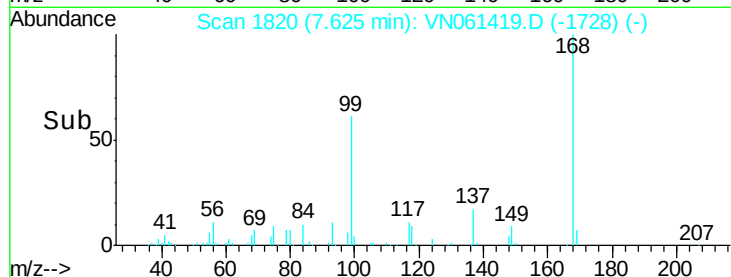
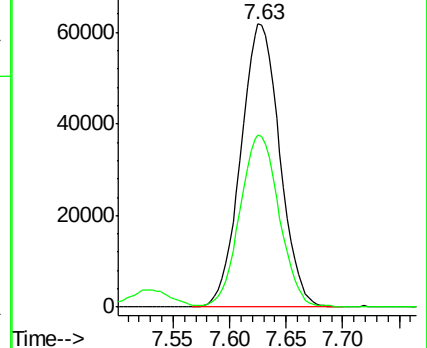
168 100

99 60.8 49.9 74.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 3.982 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061419.D

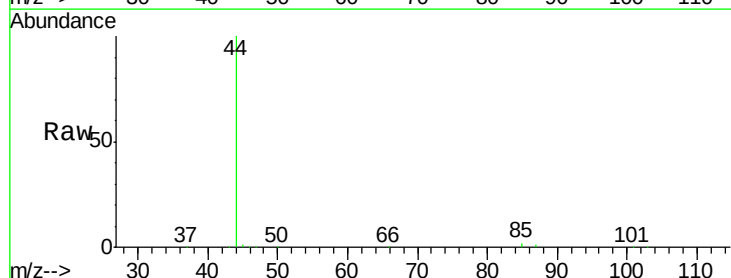
Acq: 15 May 2020 20:59

Tgt Ion: 85 Resp: 5905

Ion Ratio Lower Upper

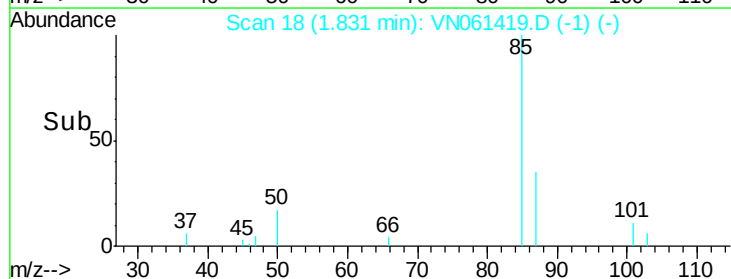
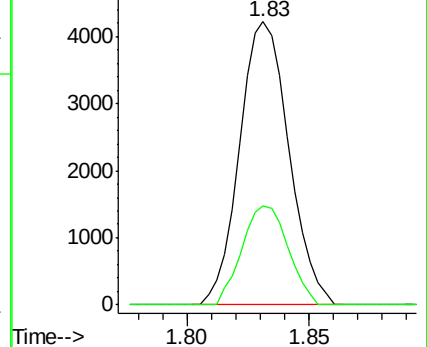
85 100

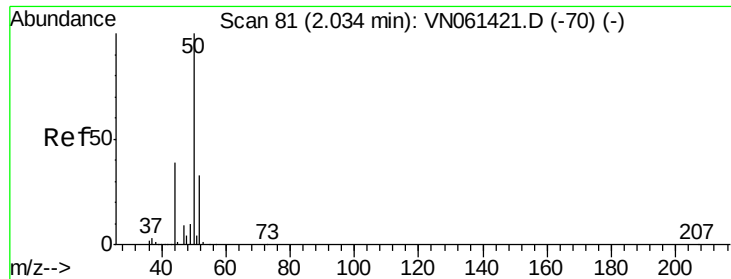
87 34.9 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 6.935 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

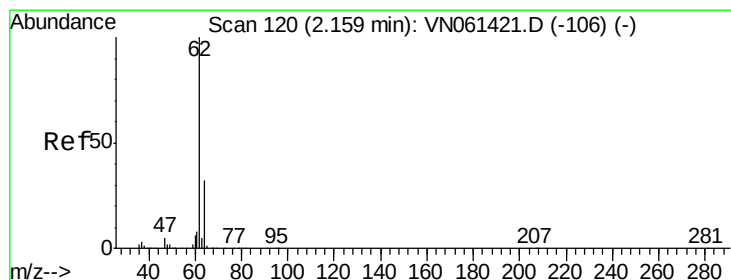
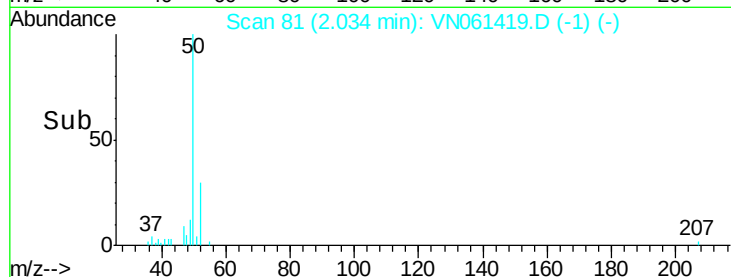
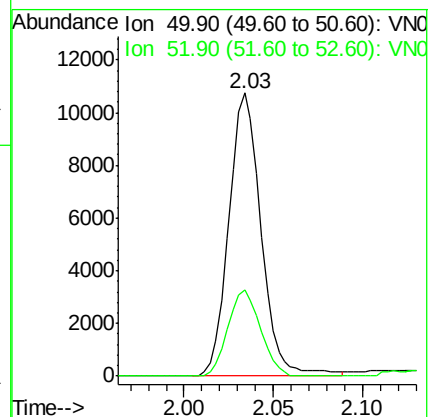
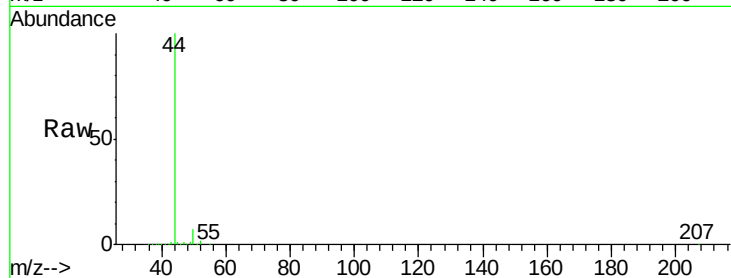
VSTDIC005

Tot Ion: 50 Resp: 13504

Ion Ratio Lower Upper

50 100

52 30.3 26.5 39.7



#4

Vinyl Chloride

Concen: 8.804 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN061419.D

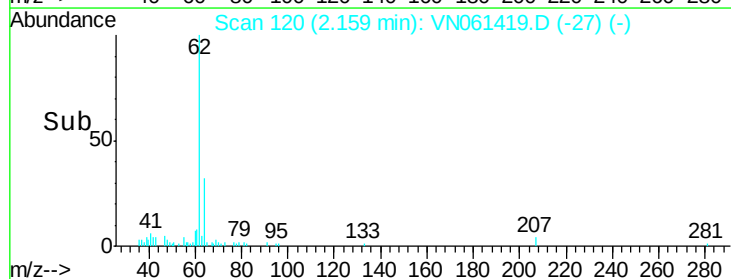
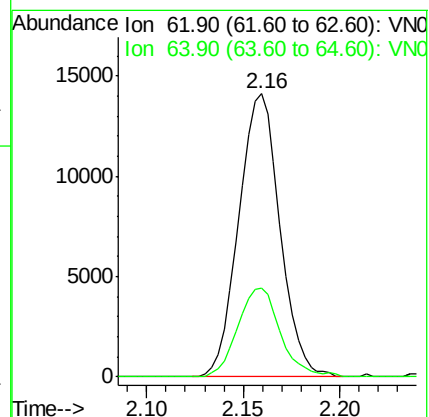
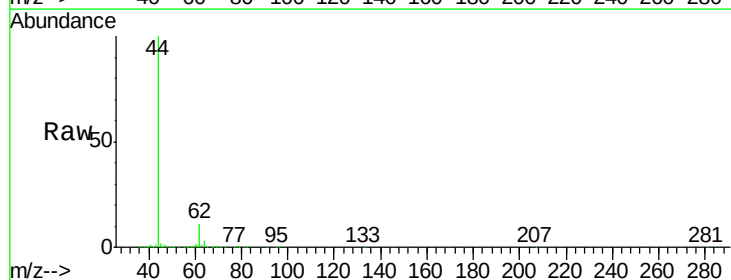
Acq: 15 May 2020 20:59

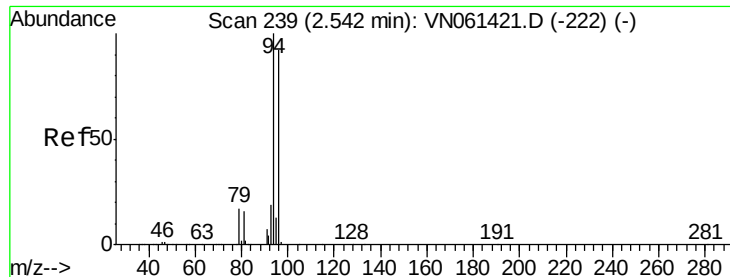
Tgt Ion: 62 Resp: 20892

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 9.970 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

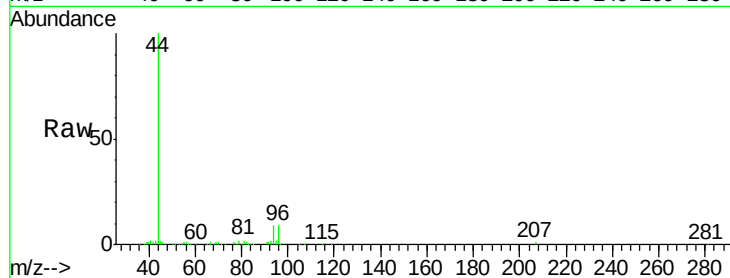
VSTDIC005

Tot Ion: 94 Resp: 12385

Ion Ratio Lower Upper

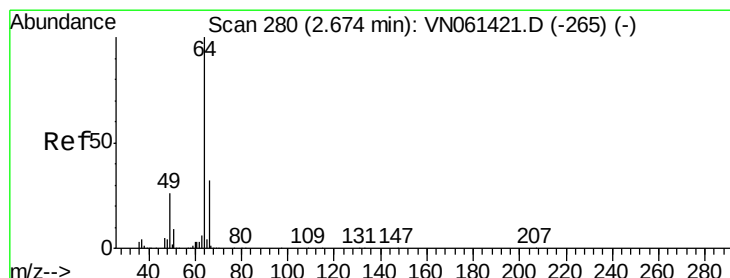
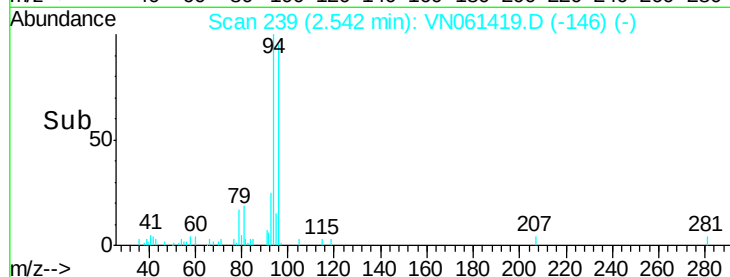
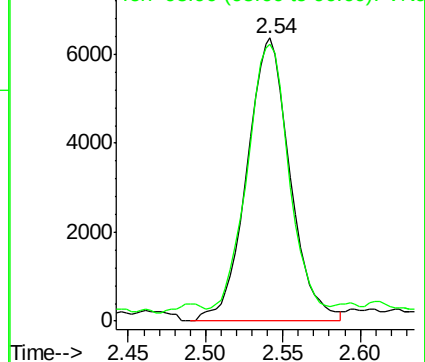
94 100

96 91.9 73.4 110.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 9.838 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN061419.D

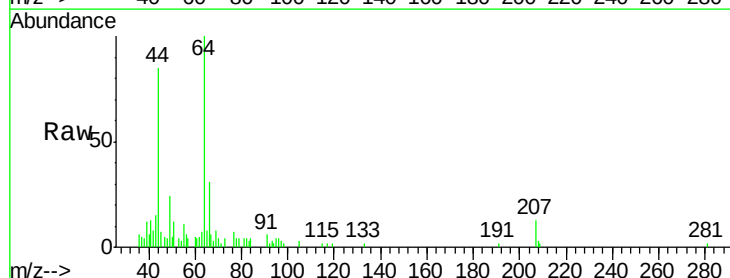
Acq: 15 May 2020 20:59

Tgt Ion: 64 Resp: 15098

Ion Ratio Lower Upper

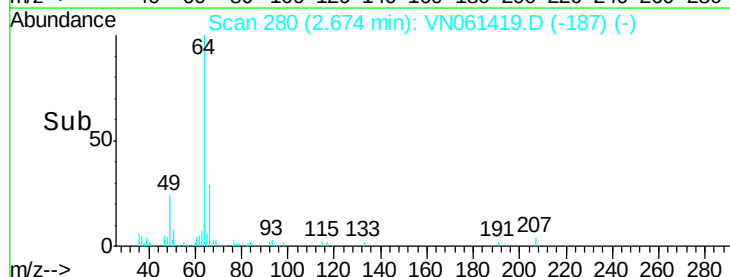
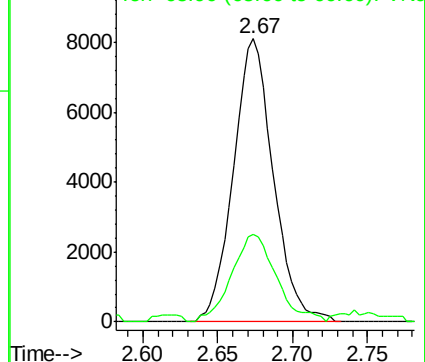
64 100

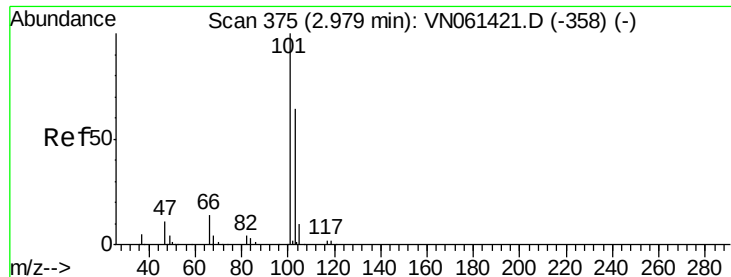
66 30.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



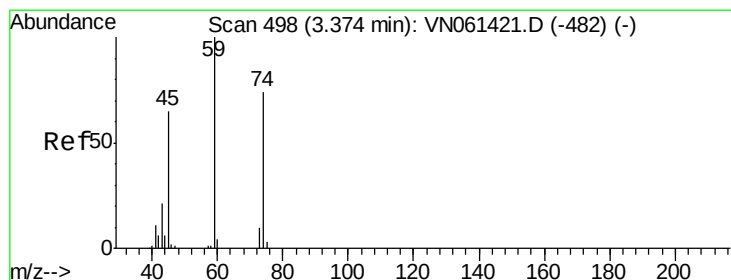
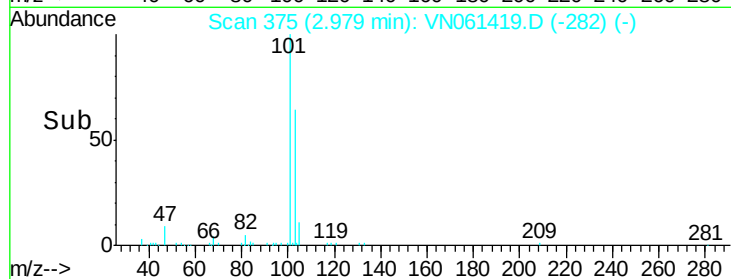
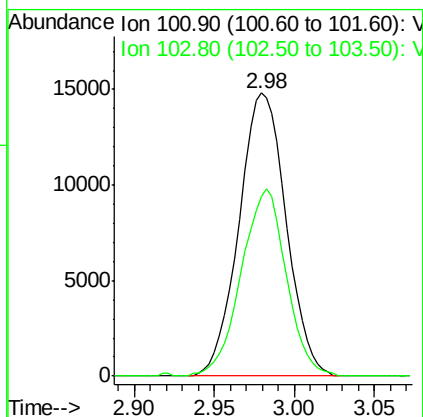
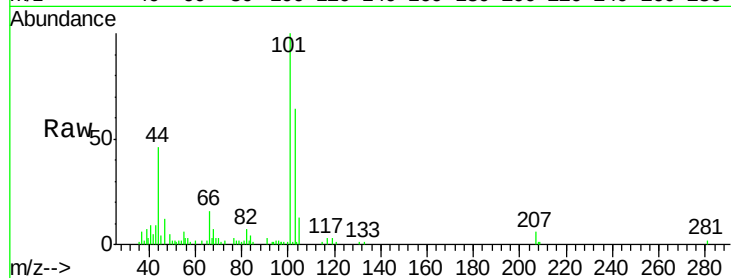


#7

Trichlorofluoromethane
 Concen: 11.236 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

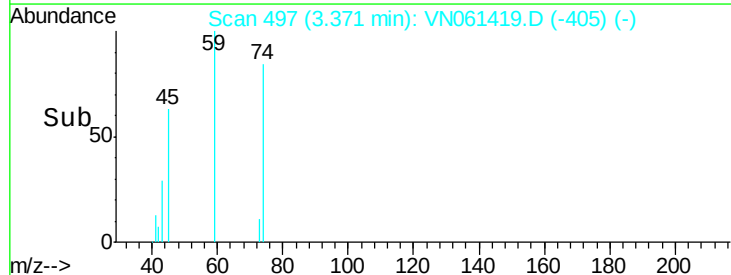
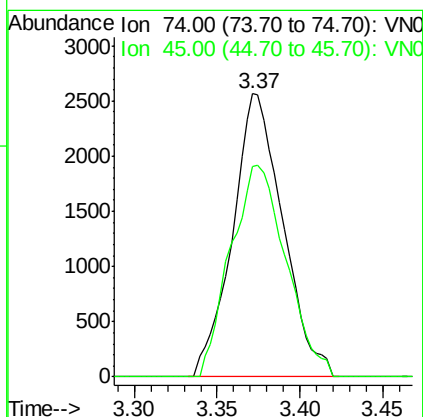
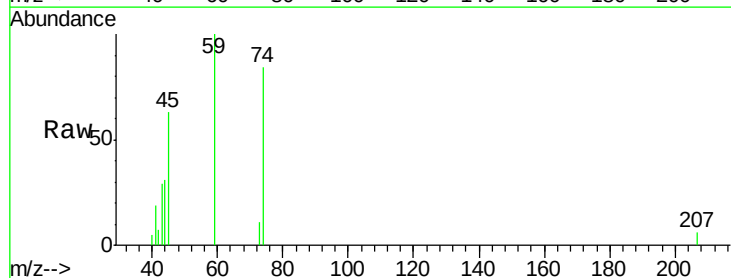
Tot Ion:101 Resp: 29933
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.4 77.0

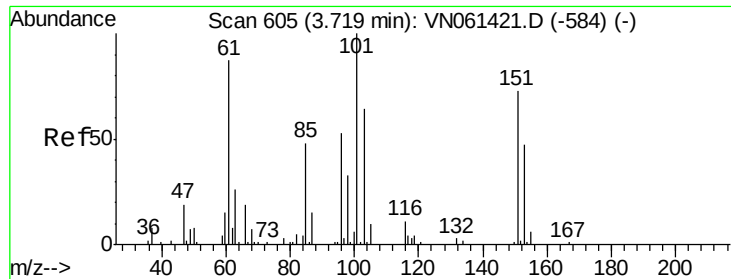


#8

Diethyl Ether
 Concen: 5.452 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Tgt Ion: 74 Resp: 5412
 Ion Ratio Lower Upper
 74 100
 45 82.4 45.2 135.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.104 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

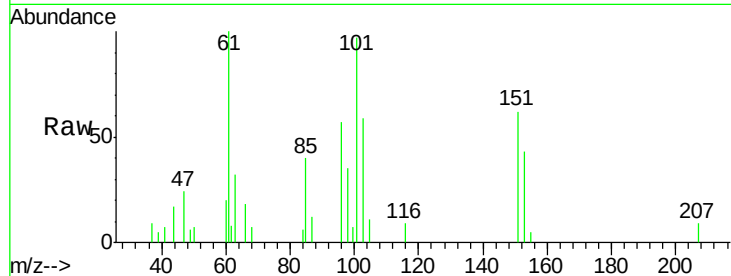
Tot Ion:101 Resp: 7790

Ion Ratio Lower Upper

101 100

85 24.8 38.4 57.6#

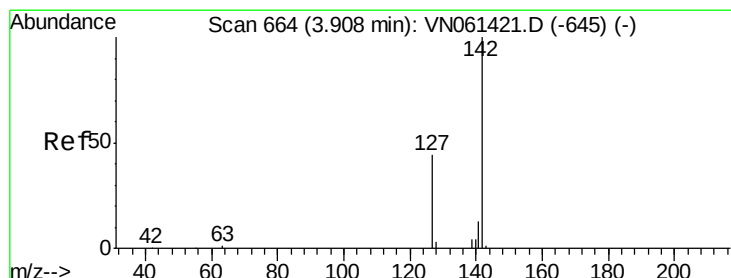
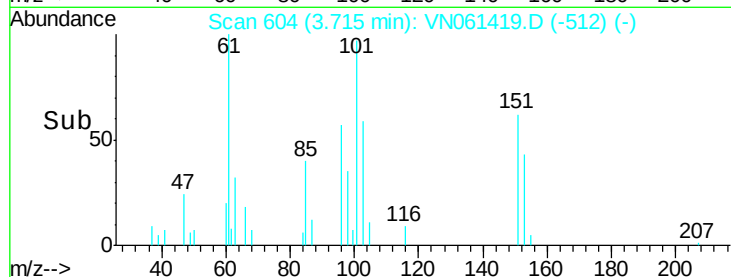
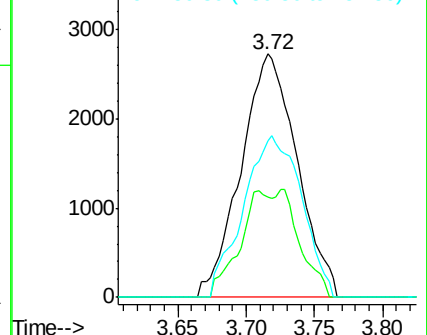
151 69.0 57.8 86.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.662 ug/l

RT: 3.91 min Scan# 665

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

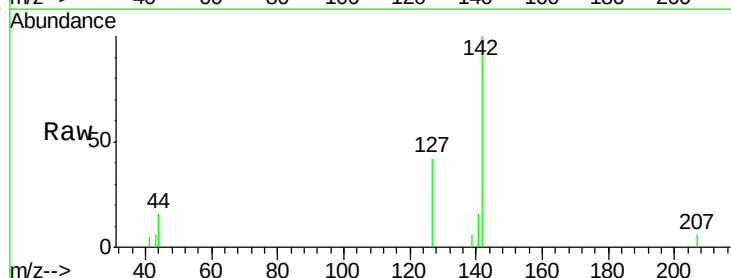
Tgt Ion:142 Resp: 9061

Ion Ratio Lower Upper

142 100

127 43.5 36.0 54.0

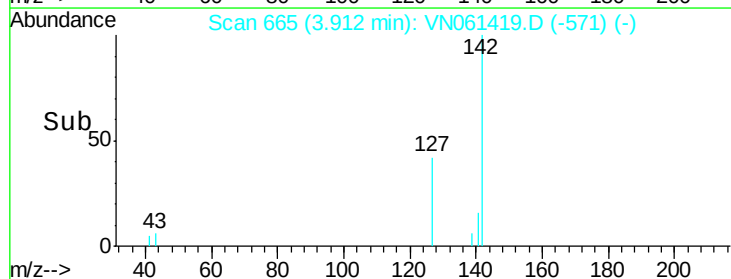
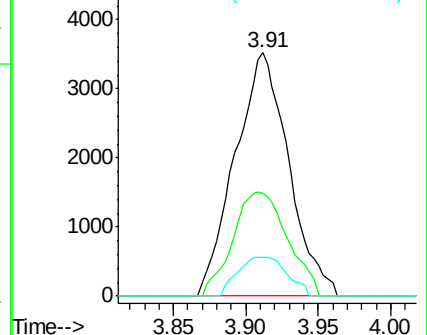
141 14.8 11.0 16.6

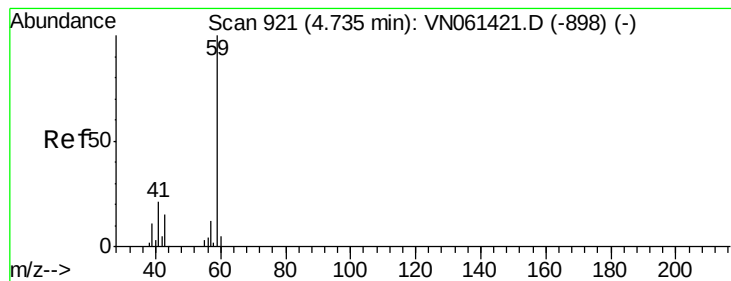


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 13.326 ug/l

RT: 4.74 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

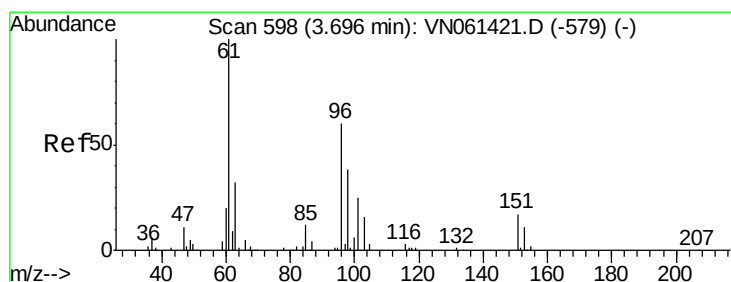
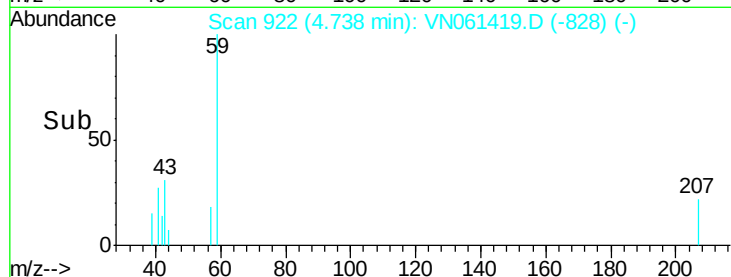
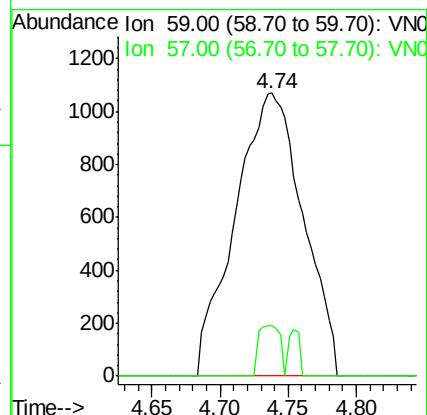
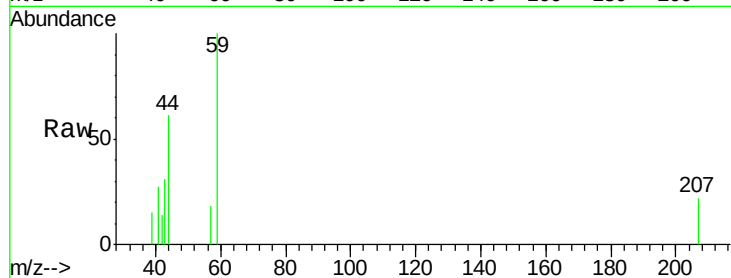
VSTDIC005

Tot Ion: 59 Resp: 3705

Ion Ratio Lower Upper

59 100

57 5.6 8.8 13.2#



#12

1,1-Dichloroethene

Concen: 5.182 ug/l

RT: 3.69 min Scan# 596

Delta R.T. -0.01 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

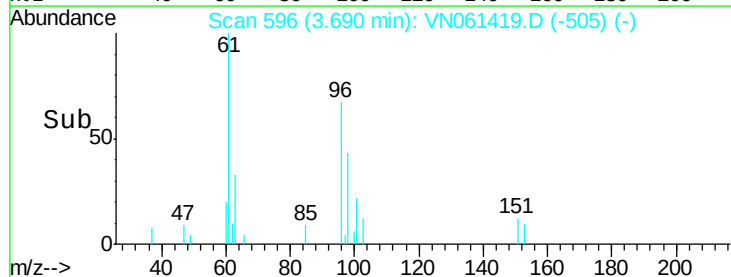
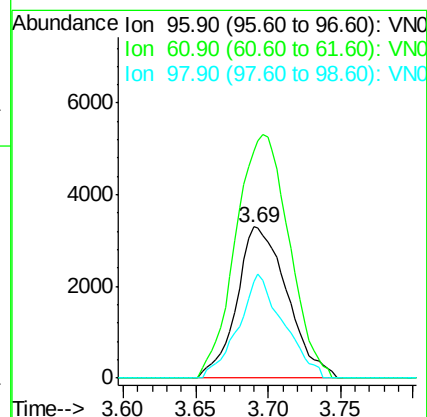
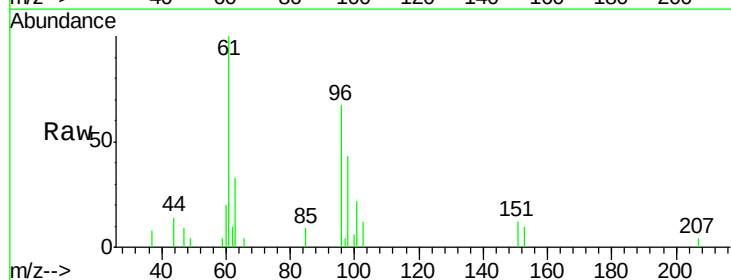
Tgt Ion: 96 Resp: 7968

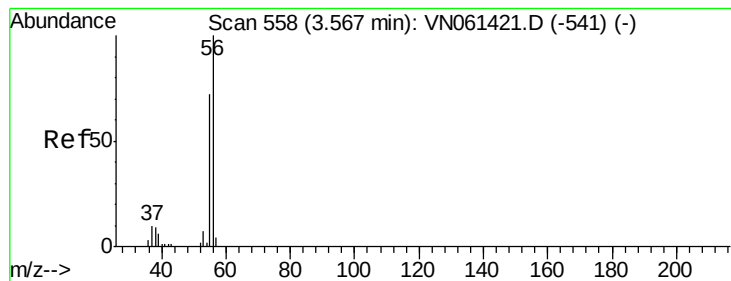
Ion Ratio Lower Upper

96 100

61 150.2 133.9 200.9

98 64.1 50.4 75.6





#13

Acrolein

Concen: 30.570 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

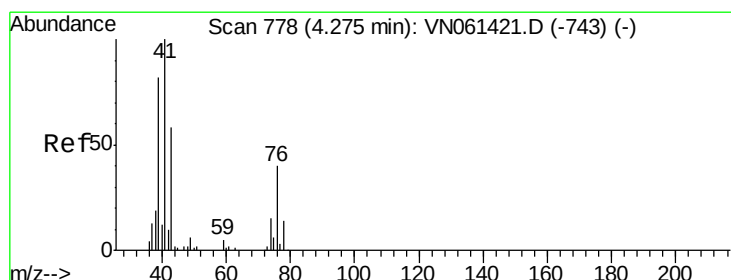
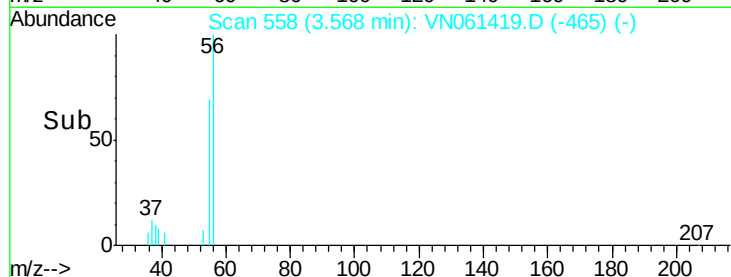
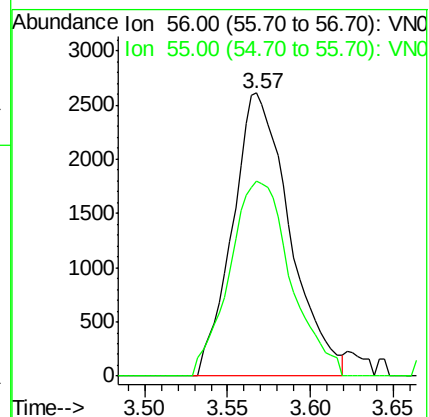
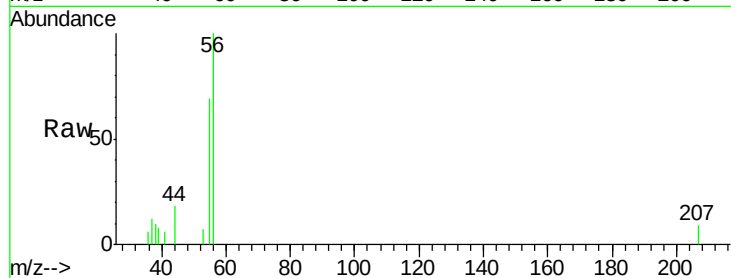
VSTDIC005

Tot Ion: 56 Resp: 6256

Ion Ratio Lower Upper

56 100

55 73.9 56.4 84.6



#14

Allyl chloride

Concen: 4.932 ug/l

RT: 4.27 min Scan# 778

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

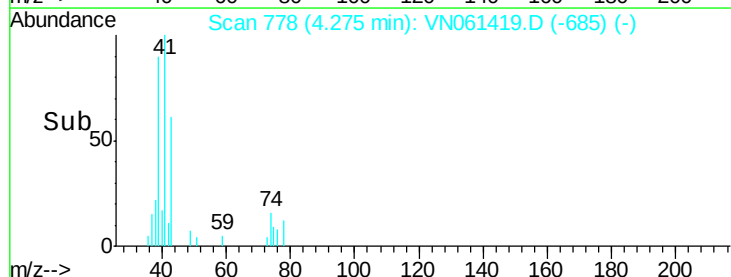
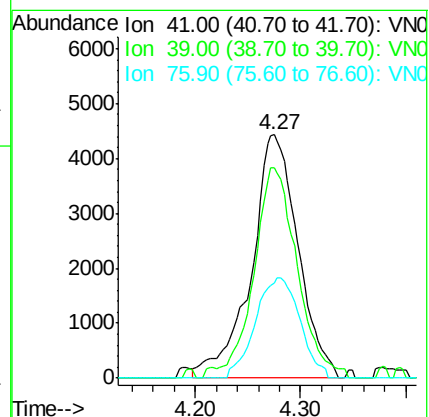
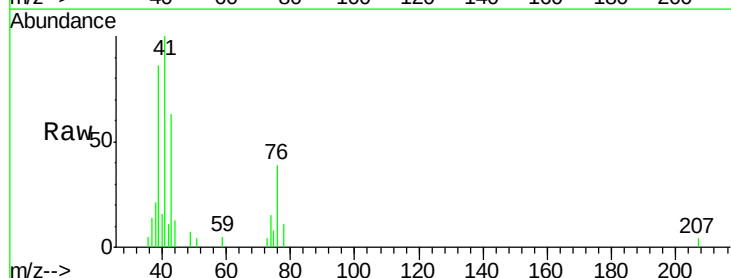
Tgt Ion: 41 Resp: 13701

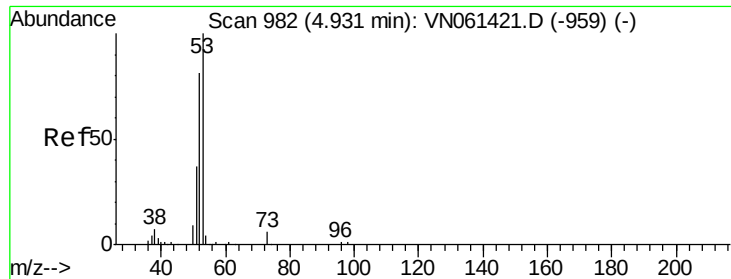
Ion Ratio Lower Upper

41 100

39 80.7 63.4 95.2

76 39.0 30.7 46.1





#15

Acrylonitrile

Concen: 19.757 ug/l

RT: 4.94 min Scan# 984

Delta R.T. 0.01 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

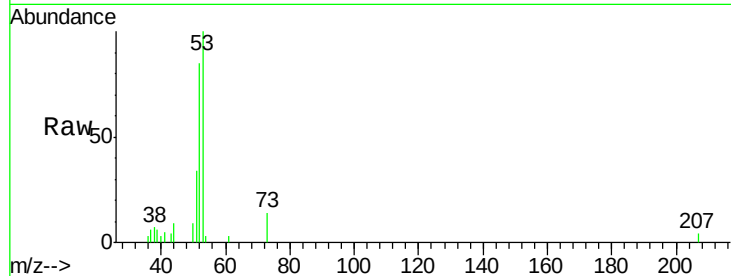
Tot Ion: 53 Resp: 18086

Ion Ratio Lower Upper

53 100

52 82.2 64.4 96.6

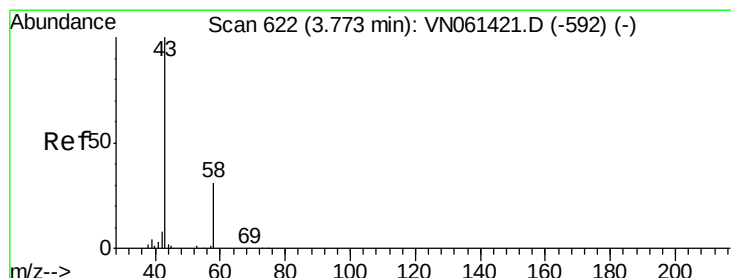
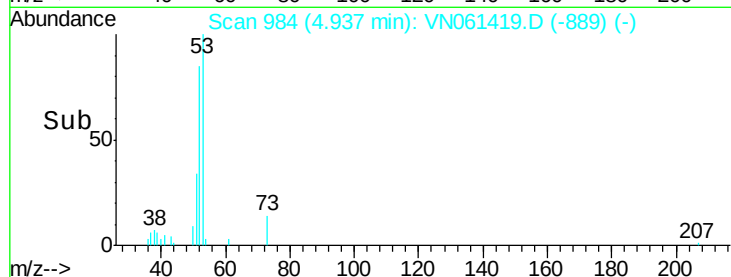
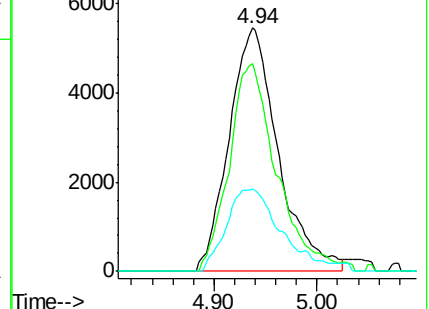
51 37.9 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN061419.D (-959) (-)

Ion 52.00 (51.70 to 52.70): VN061419.D (-959) (-)

Ion 51.00 (50.70 to 51.70): VN061419.D (-959) (-)



#16

Acetone

Concen: 12.633 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN061419.D

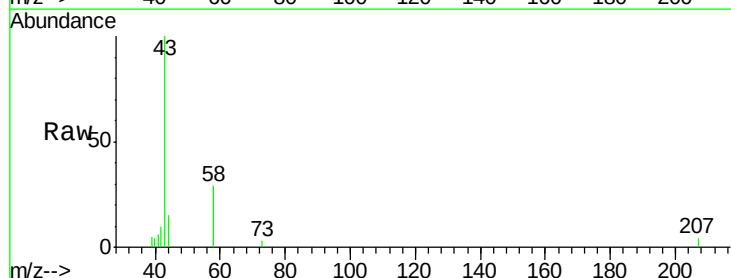
Acq: 15 May 2020 20:59

Tgt Ion: 43 Resp: 13949

Ion Ratio Lower Upper

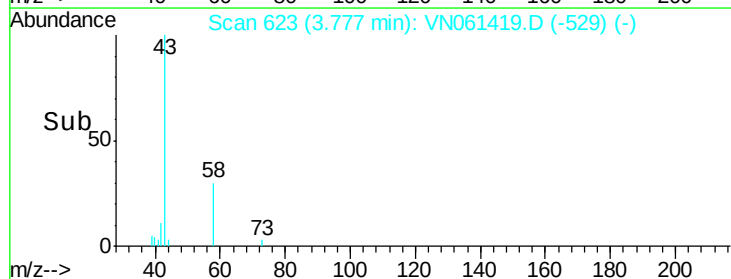
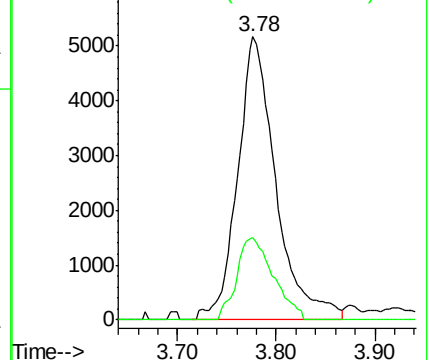
43 100

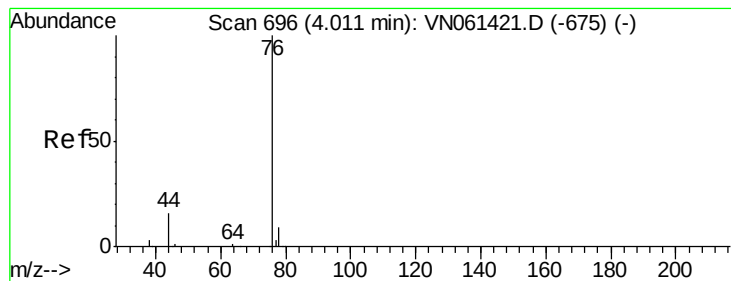
58 29.1 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN061419.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061419.D (-529) (-)





#17

Carbon Disulfide

Concen: 5.519 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

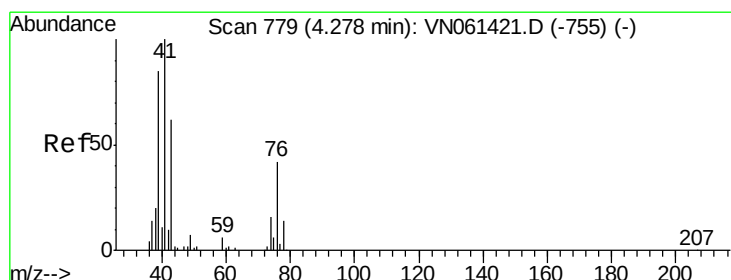
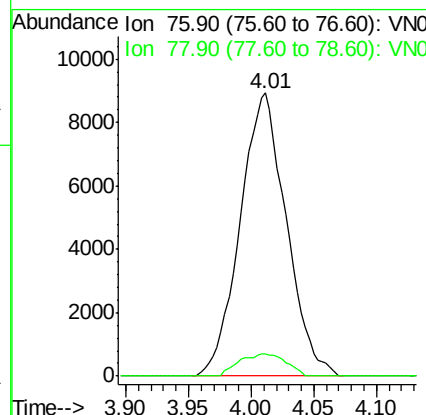
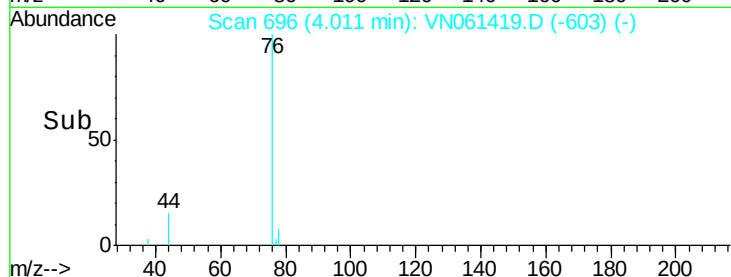
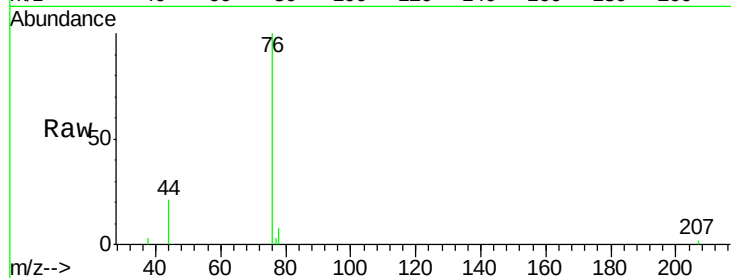
VSTDIC005

Tot Ion: 76 Resp: 22894

Ion Ratio Lower Upper

76 100

78 7.8 7.2 10.8



#18

Methyl Acetate

Concen: 2.953 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN061419.D

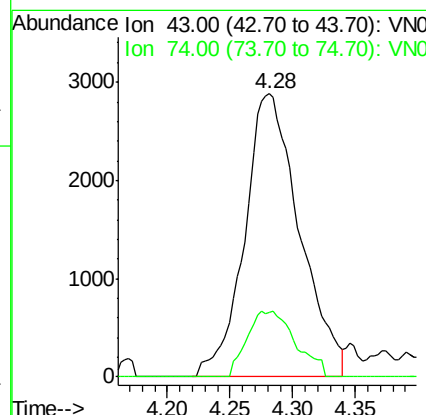
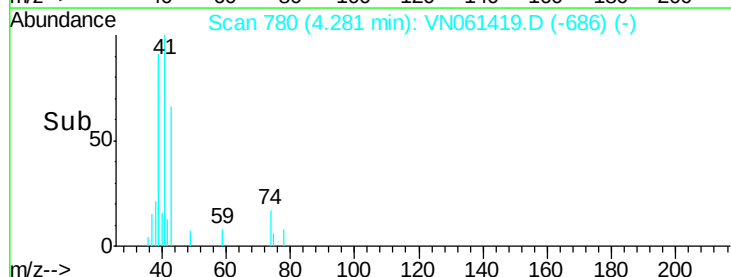
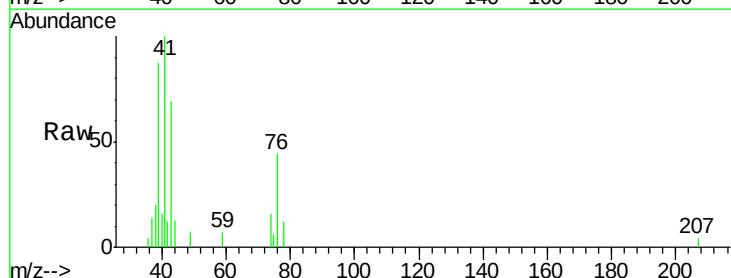
Acq: 15 May 2020 20:59

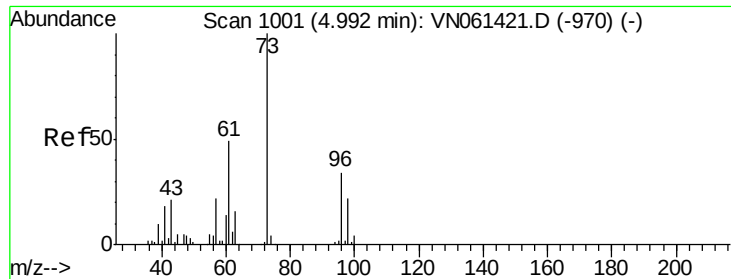
Tgt Ion: 43 Resp: 8811

Ion Ratio Lower Upper

43 100

74 20.5 19.8 29.6



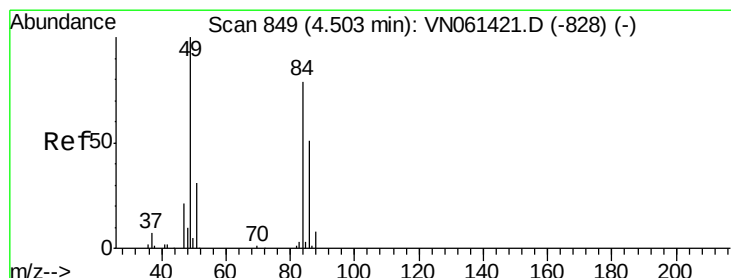
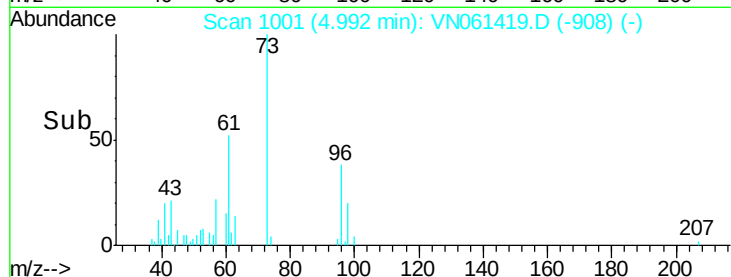
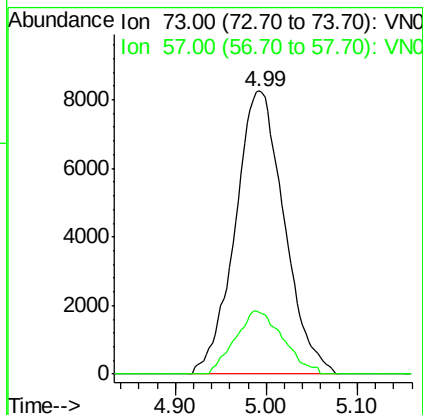
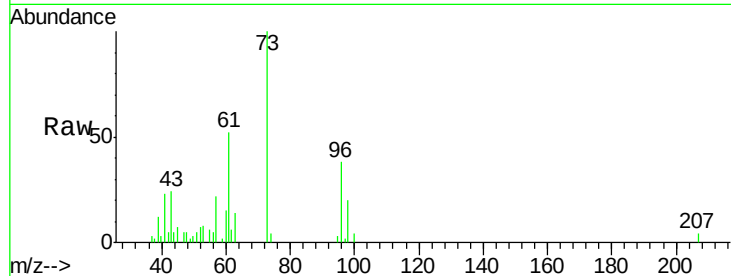


#19

Methyl tert-butyl Ether
 Concen: 5.225 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

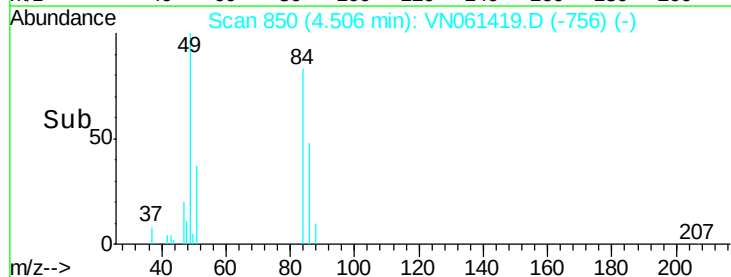
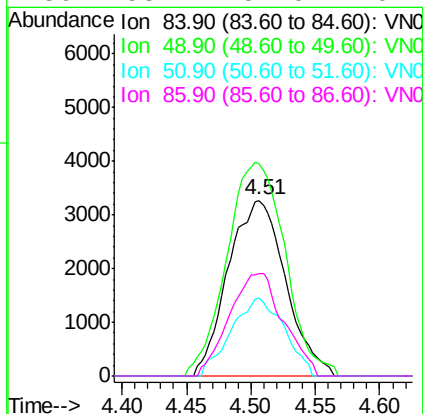
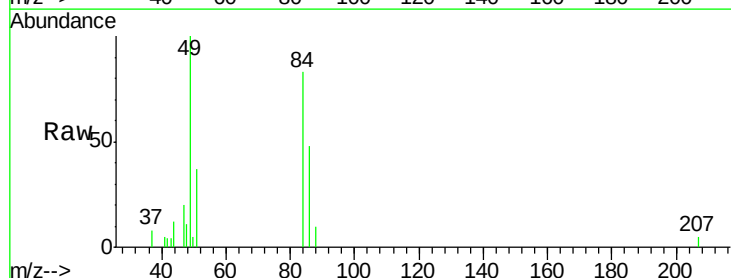
Tot Ion: 73 Resp: 30882
 Ion Ratio Lower Upper
 73 100
 57 21.9 17.6 26.4

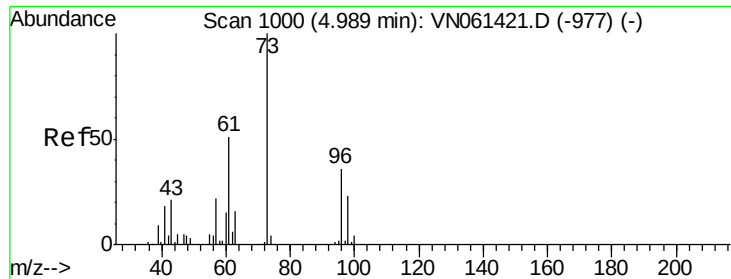


#20

Methylene Chloride
 Concen: 5.608 ug/l
 RT: 4.51 min Scan# 850
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Tgt Ion: 84 Resp: 10117
 Ion Ratio Lower Upper
 84 100
 49 121.2 101.0 151.4
 51 44.8 31.6 47.4
 86 58.2 51.0 76.4

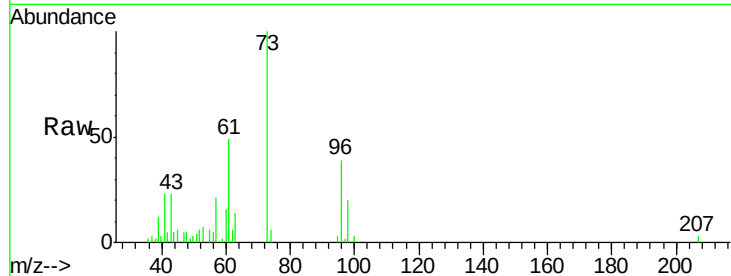




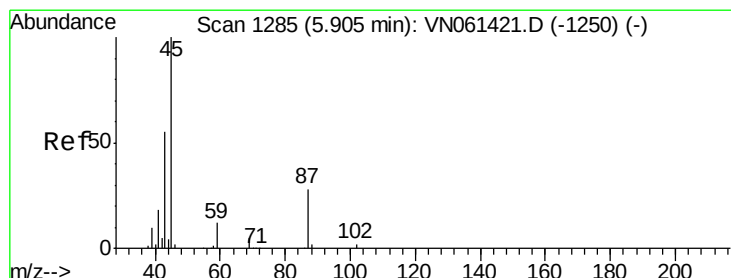
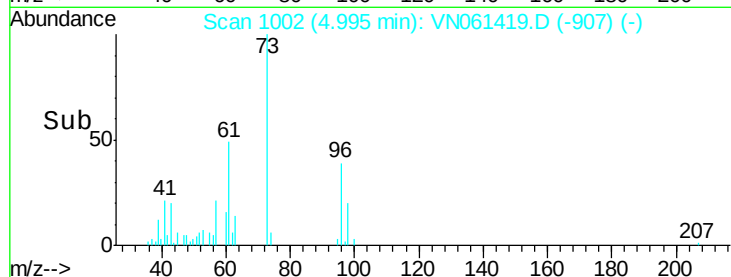
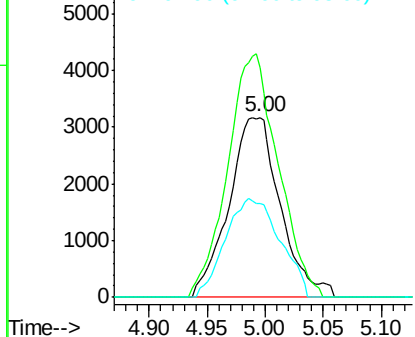
#21
trans-1,2-Dichloroethene
Concen: 5.796 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 96 Resp: 9806
Ion Ratio Lower Upper
96 100
61 127.6 113.8 170.6
98 52.3 50.8 76.2

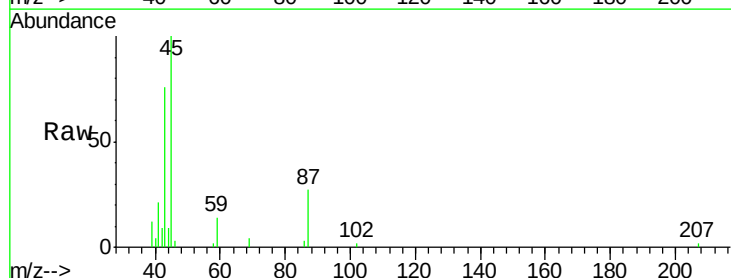


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

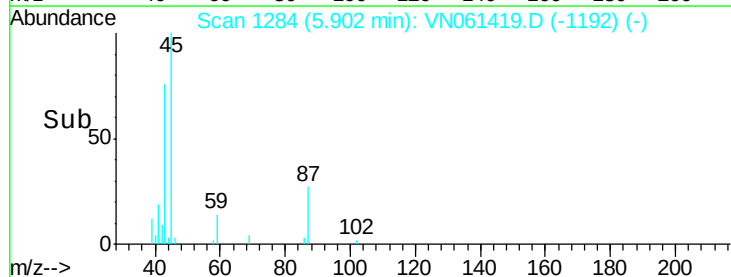
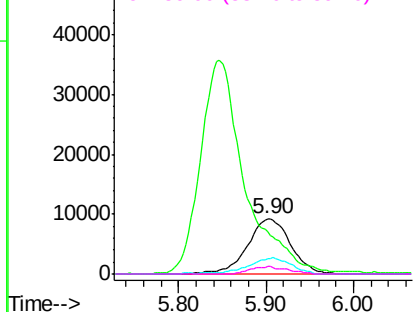


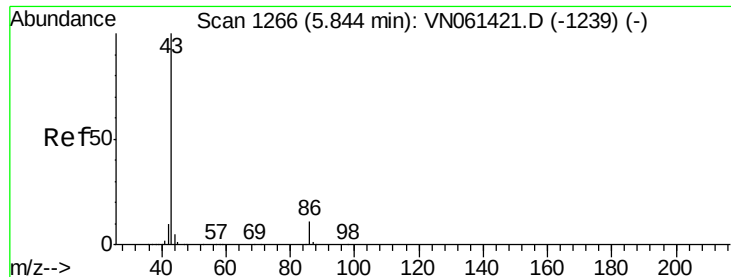
#22
Diisopropyl ether
Concen: 4.800 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Tgt Ion: 45 Resp: 31424
Ion Ratio Lower Upper
45 100
43 70.5 49.1 73.7
87 27.2 23.0 34.4
59 14.2 9.4 14.0#



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: 24.155 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

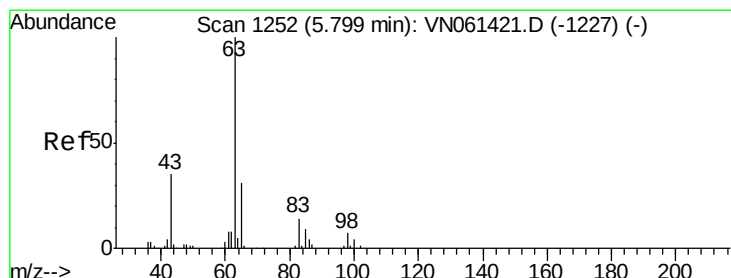
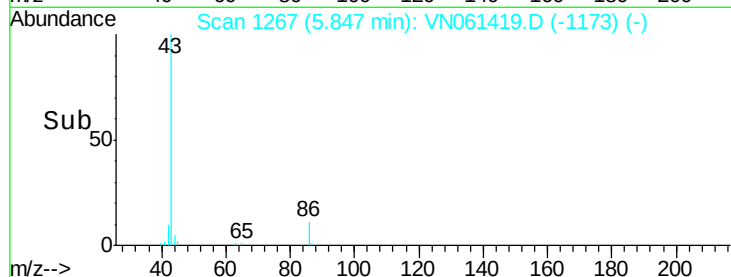
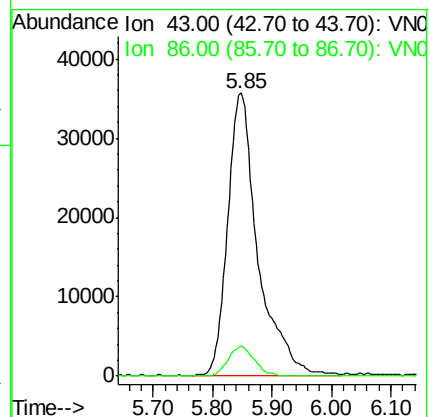
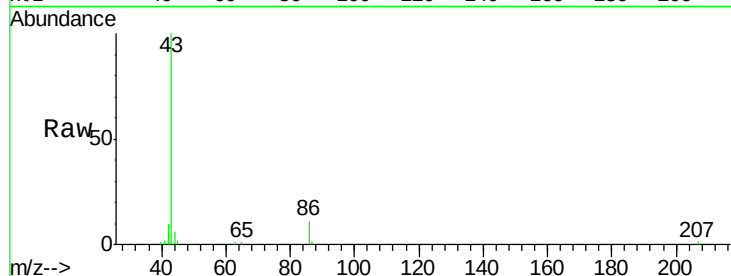
VSTDIC005

Tot Ion: 43 Resp: 127141

Ion Ratio Lower Upper

43 100

86 10.7 8.7 13.1



#24

1,1-Dichloroethane

Concen: 5.272 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

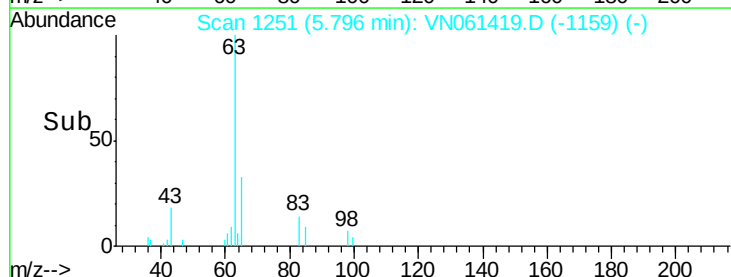
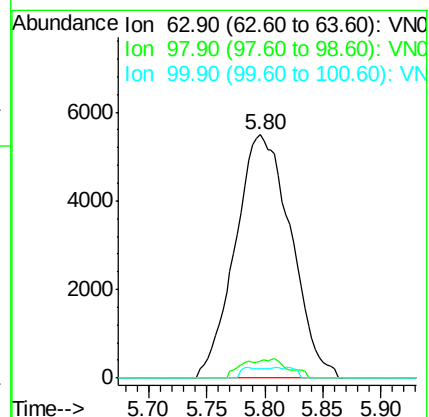
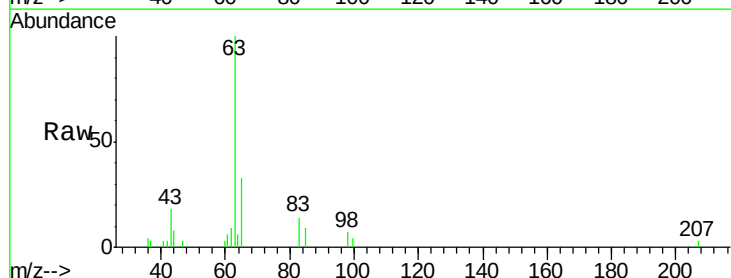
Tgt Ion: 63 Resp: 18304

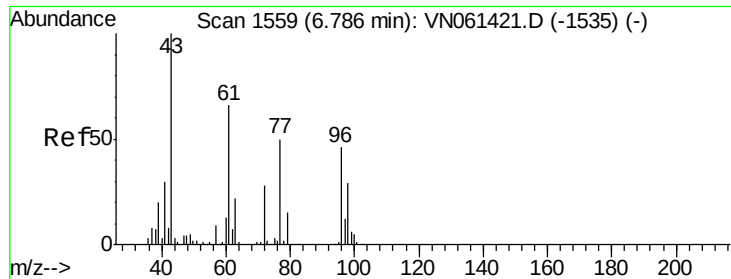
Ion Ratio Lower Upper

63 100

98 7.2 3.6 10.9

100 3.9 2.1 6.2

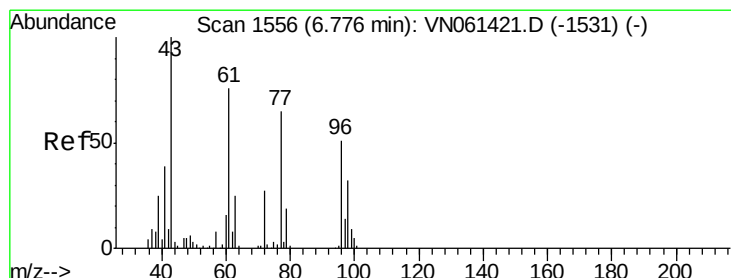
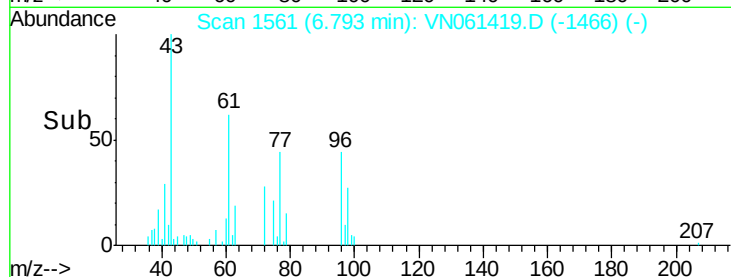
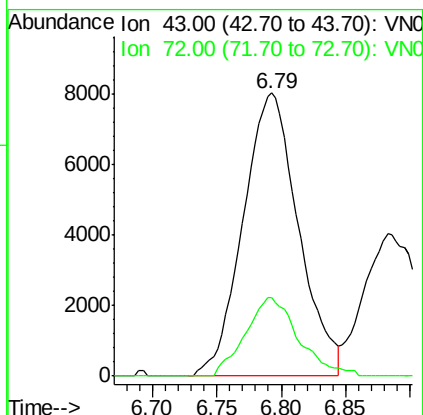
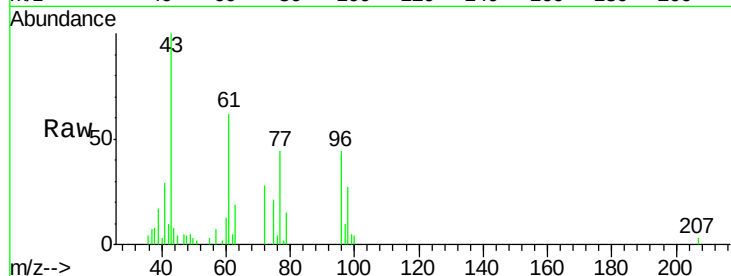




#25
 2-Butanone
 Concen: 18.617 ug/l
 RT: 6.79 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

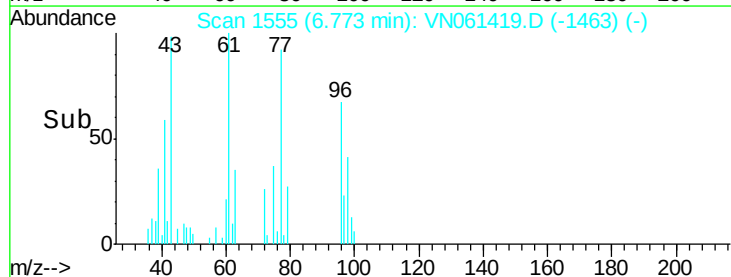
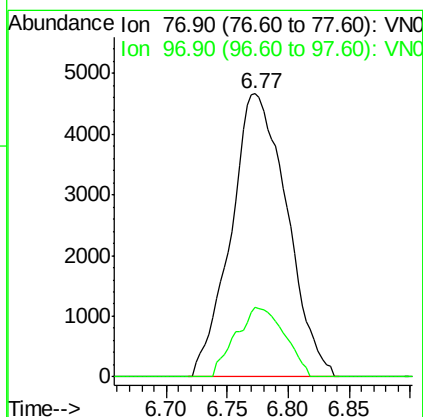
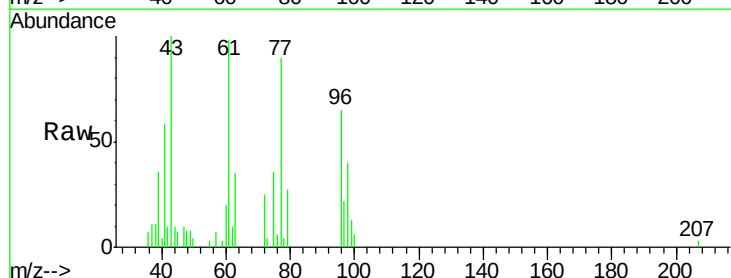
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

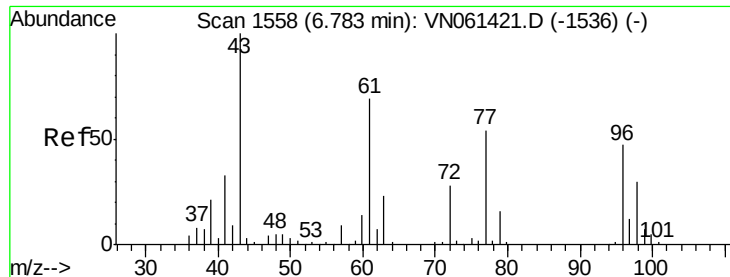
Tot Ion: 43 Resp: 24084
 Ion Ratio Lower Upper
 43 100
 72 27.7 22.6 33.8



#26
 2,2-Dichloropropane
 Concen: 5.064 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Tgt Ion: 77 Resp: 14861
 Ion Ratio Lower Upper
 77 100
 97 21.4 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 5.537 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

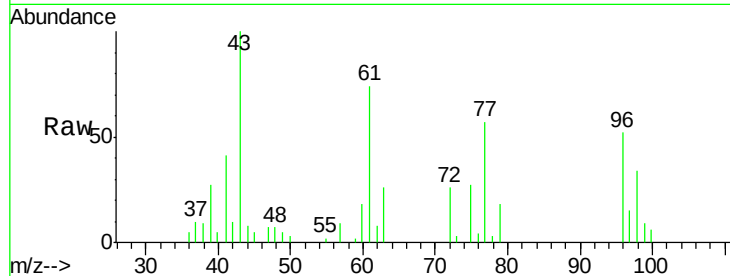
Tot Ion: 96 Resp: 11093

Ion Ratio Lower Upper

96 100

61 147.7 0.0 293.0

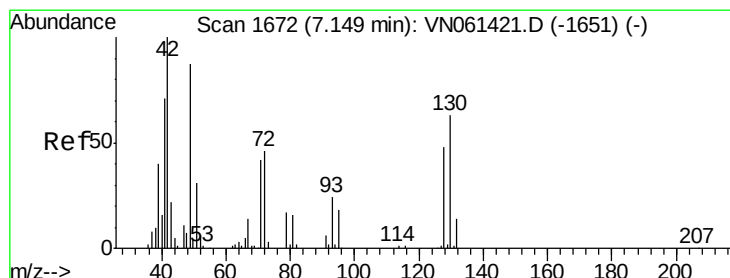
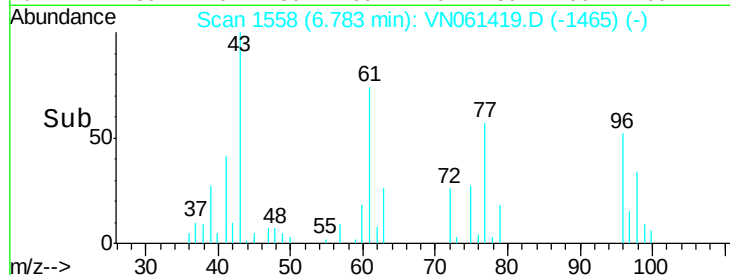
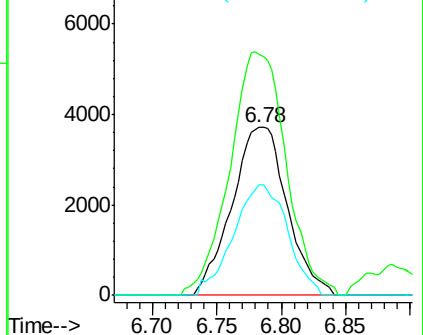
98 64.2 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN061419.D (-1465) (-)

Ion 60.90 (60.60 to 61.60): VN061419.D (-1465) (-)

Ion 97.90 (97.60 to 98.60): VN061419.D (-1465) (-)



#28

Bromochloromethane

Concen: 4.691 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

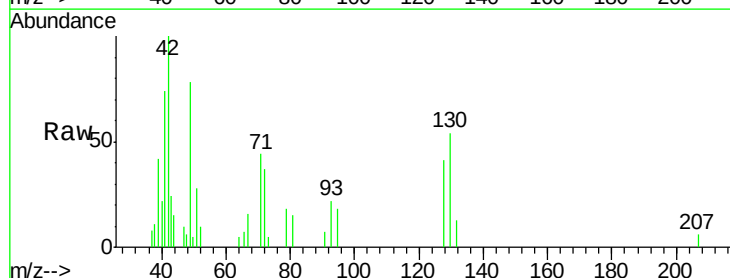
Tgt Ion: 49 Resp: 7823

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

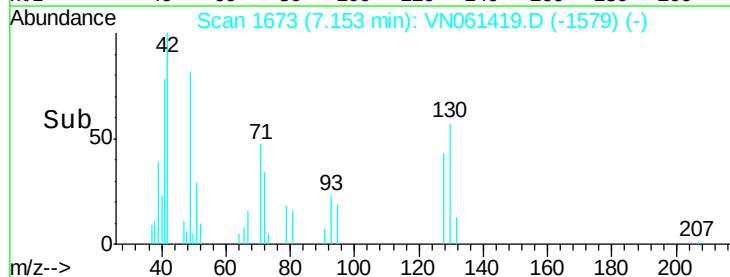
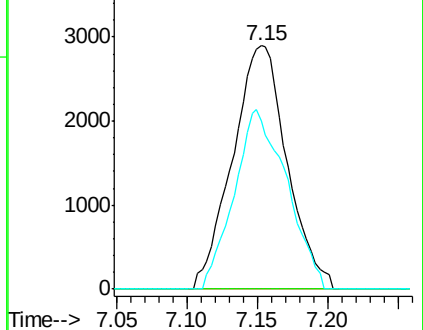
130 70.9 57.4 86.0

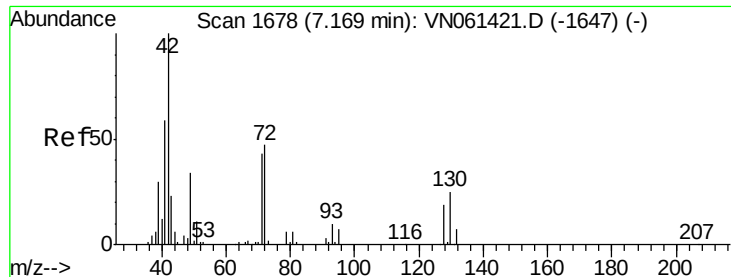


Abundance Ion 48.90 (48.60 to 49.60): VN061419.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN061419.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN061419.D (-1579) (-)





#29

Tetrahydrofuran

Concen: 18.964 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

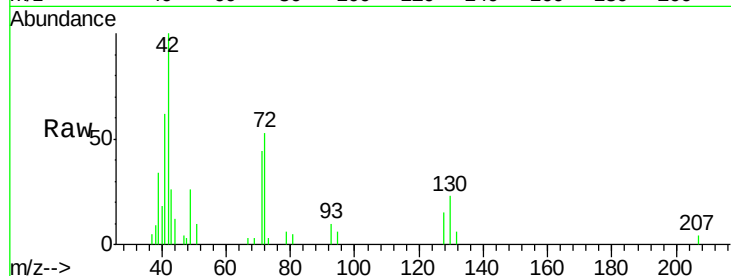
Tot Ion: 42 Resp: 16604

Ion Ratio Lower Upper

42 100

72 45.4 37.1 55.7

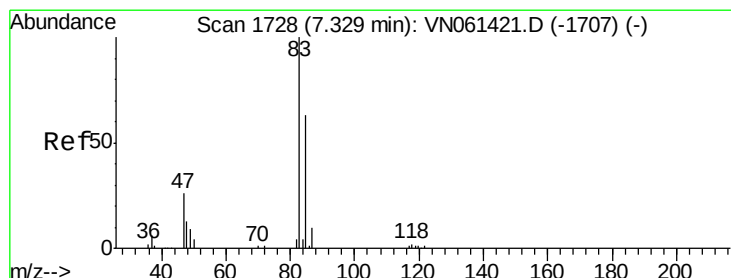
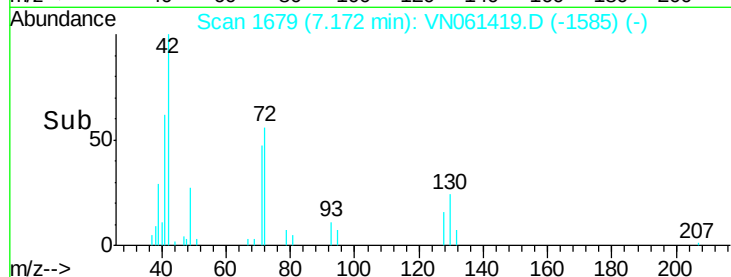
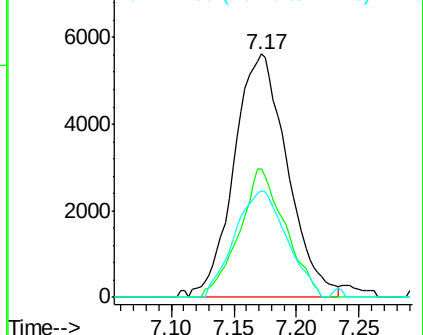
71 42.9 34.5 51.7



Abundance Ion 42.00 (41.70 to 42.70): VN061419.D (-1647) (-)

Ion 72.00 (71.70 to 72.70): VN061419.D (-1647) (-)

Ion 71.00 (70.70 to 71.70): VN061419.D (-1647) (-)



#30

Chloroform

Concen: 5.065 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. -0.00 min

Lab File: VN061419.D

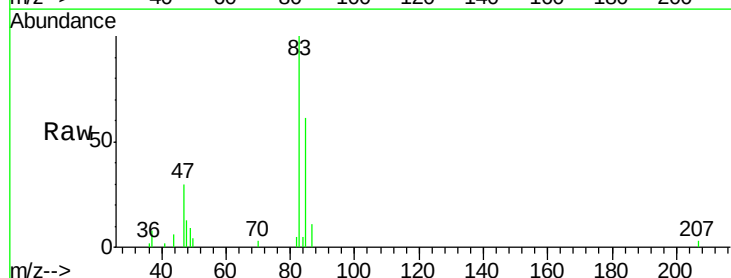
Acq: 15 May 2020 20:59

Tgt Ion: 83 Resp: 17918

Ion Ratio Lower Upper

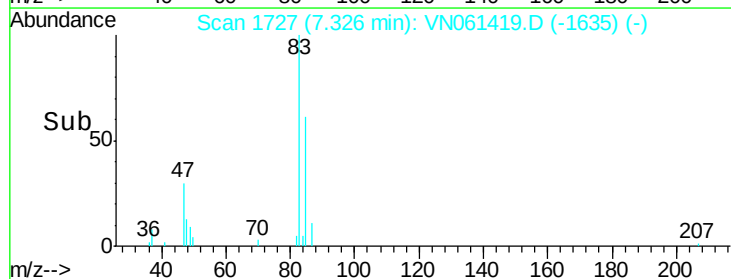
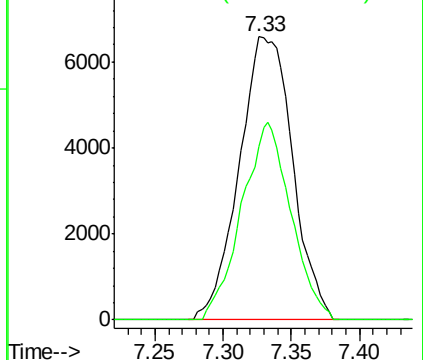
83 100

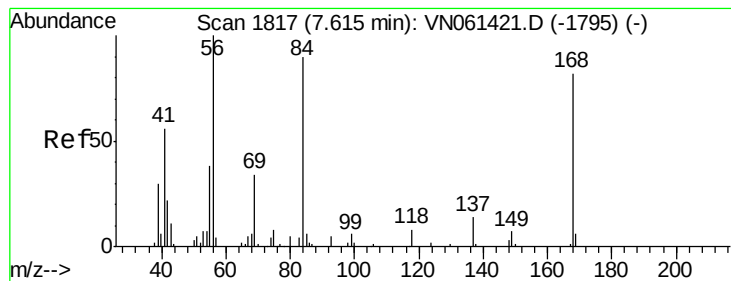
85 61.2 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VN061419.D (-1635) (-)

Ion 84.90 (84.60 to 85.60): VN061419.D (-1635) (-)





#31

Cyclohexane

Concen: 6.093 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

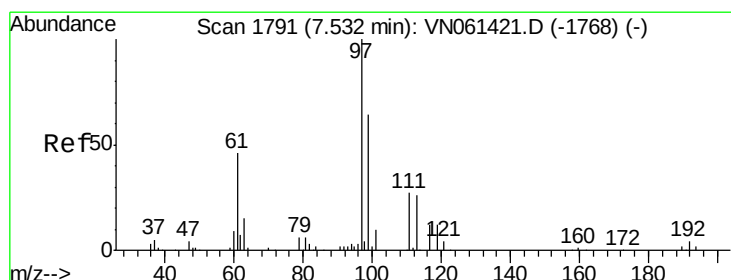
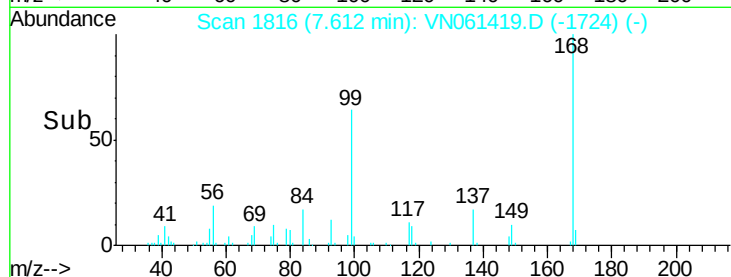
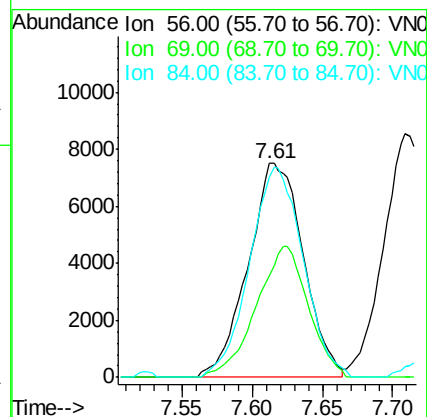
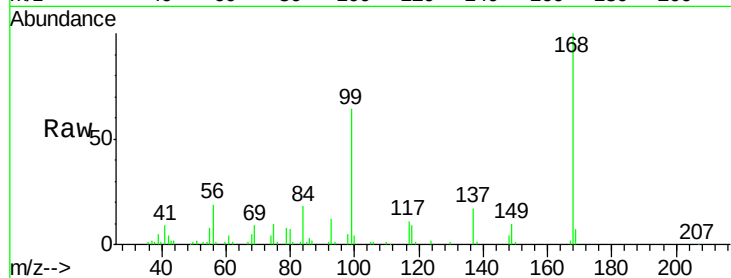
Tot Ion: 56 Resp: 20546

Ion Ratio Lower Upper

56 100

69 47.7 27.0 40.4#

84 93.7 71.7 107.5



#32

1,1,1-Trichloroethane

Concen: 5.253 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

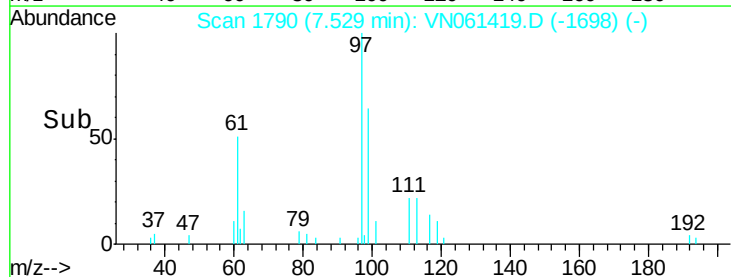
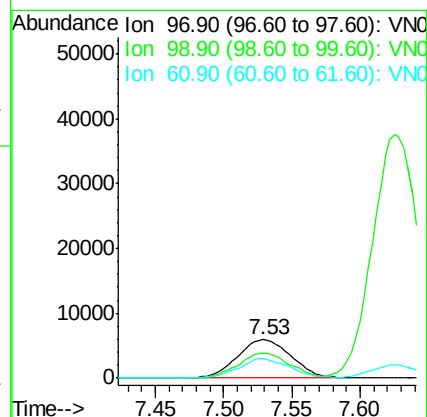
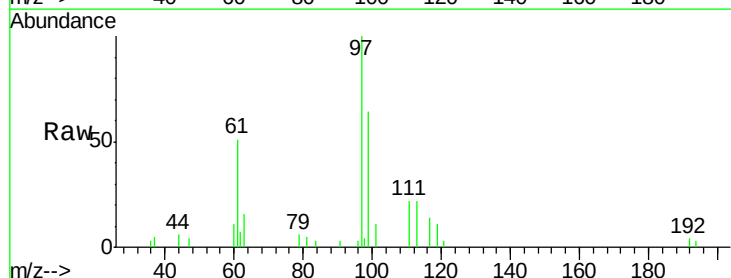
Tgt Ion: 97 Resp: 16280

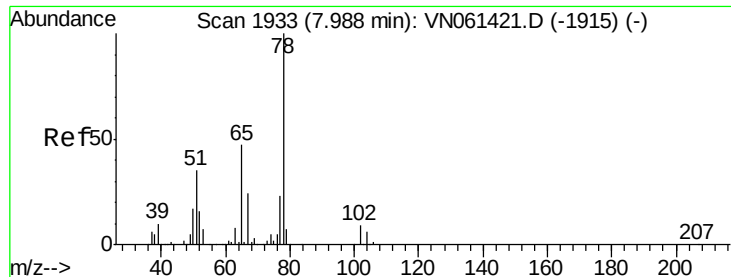
Ion Ratio Lower Upper

97 100

99 62.2 50.7 76.1

61 47.4 37.0 55.4

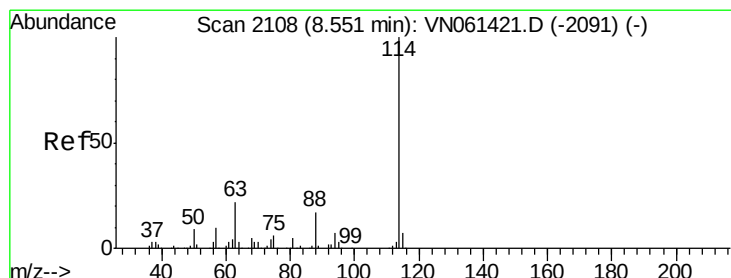
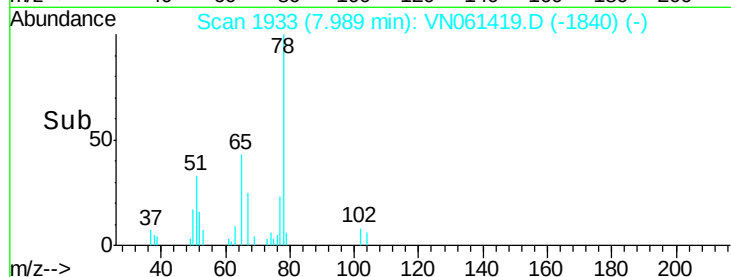
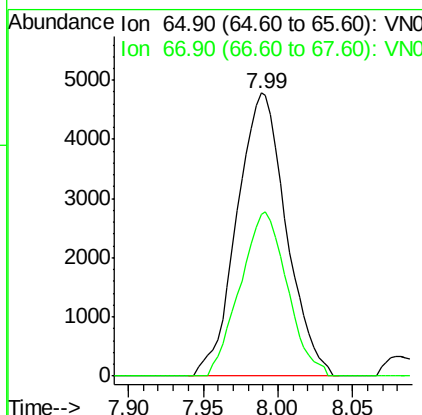
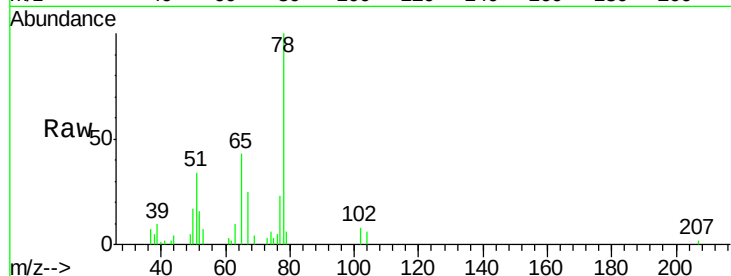




#33
 1,2-Dichloroethane-d4
 Concen: 4.695 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

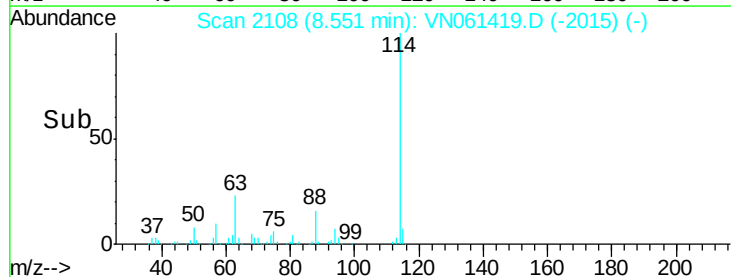
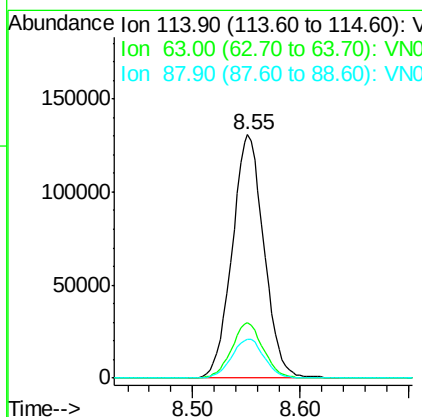
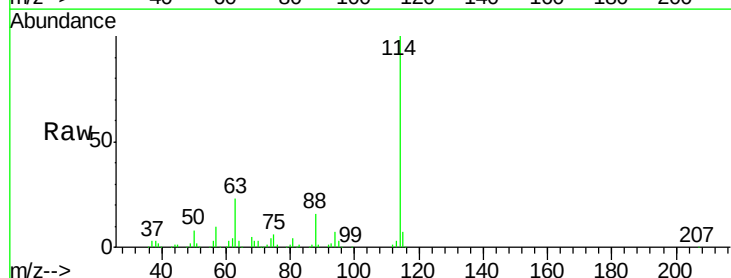
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

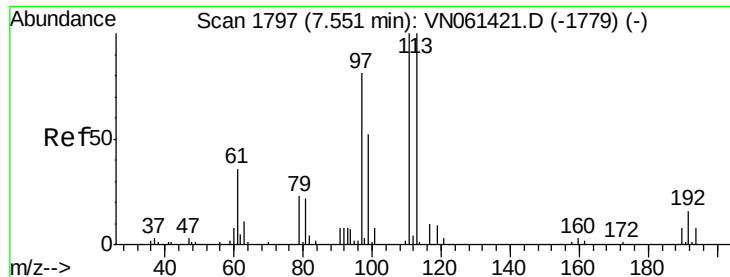
Tot Ion: 65 Resp: 10960
 Ion Ratio Lower Upper
 65 100
 67 55.2 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Tgt Ion: 114 Resp: 268559
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 44.4
 88 15.9 0.0 33.6

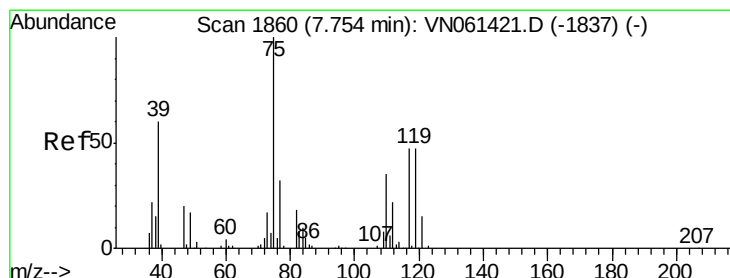
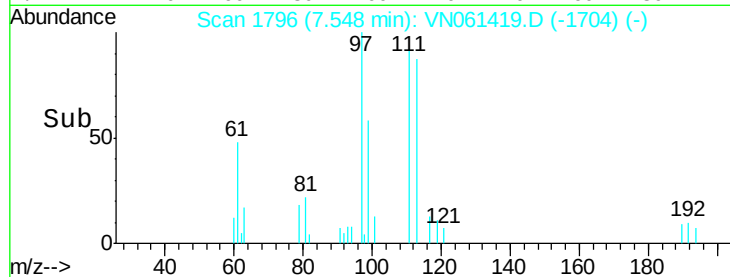
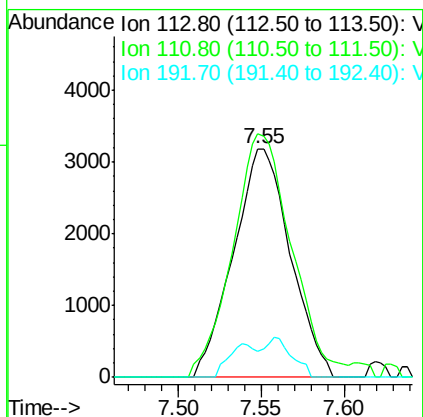
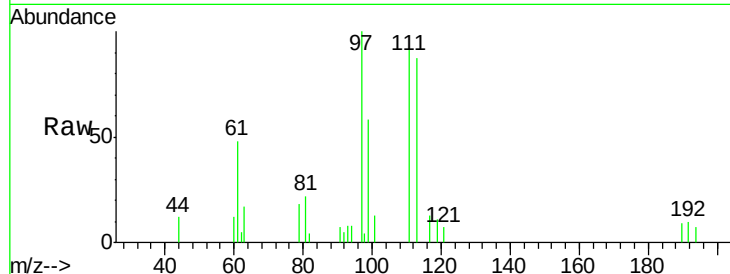




#35
 Dibromofluoromethane
 Concen: 4.918 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

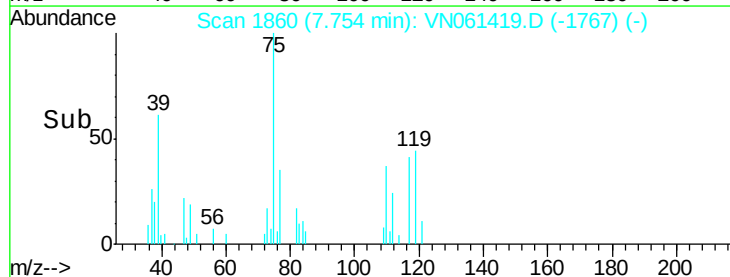
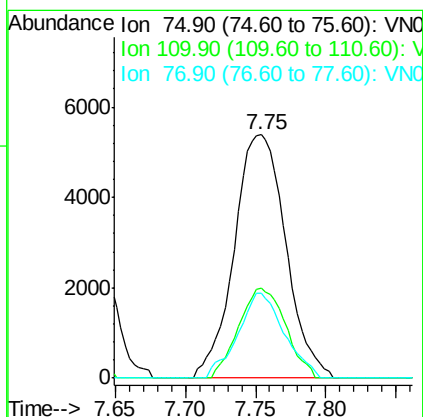
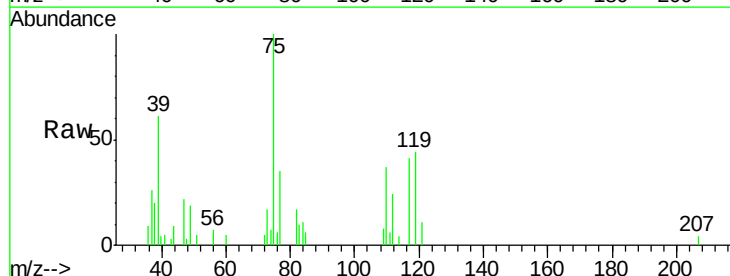
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

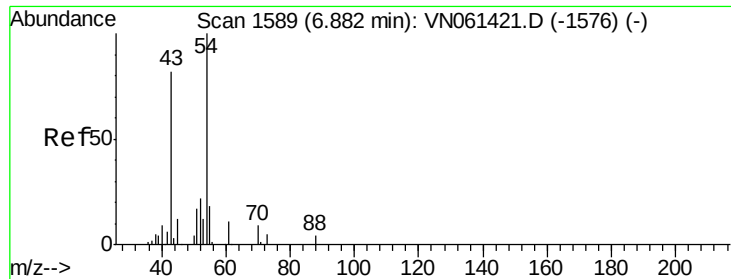
Tot Ion:113 Resp: 7591
 Ion Ratio Lower Upper
 113 100
 111 110.3 82.6 124.0
 192 7.3 13.4 20.0#



#36
 1,1-Dichloropropene
 Concen: 5.171 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Tgt Ion: 75 Resp: 13759
 Ion Ratio Lower Upper
 75 100
 110 33.6 16.7 50.1
 77 31.3 24.7 37.1

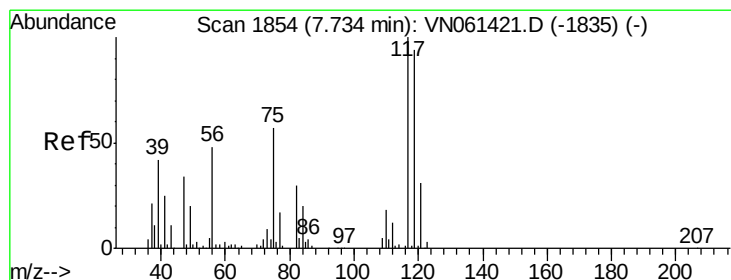
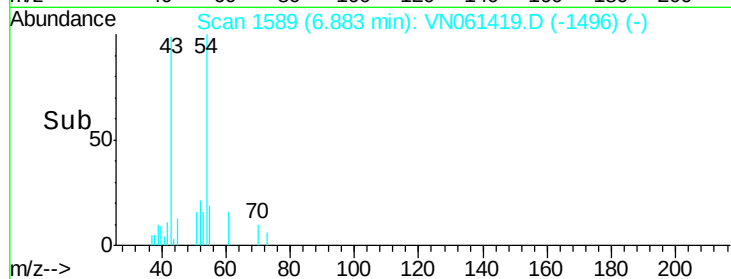
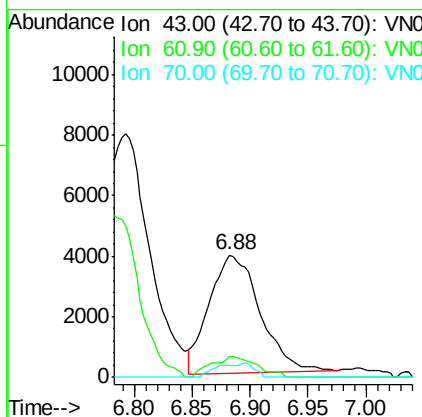
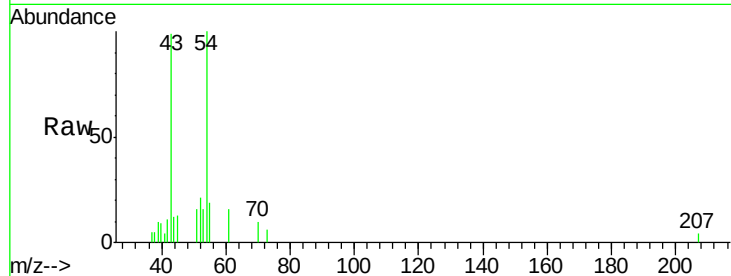




#37
Ethyl Acetate
Concen: 3.987 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

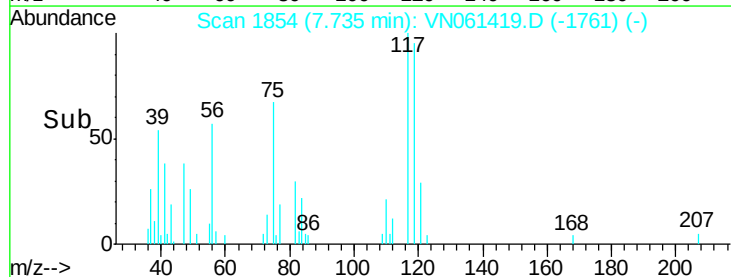
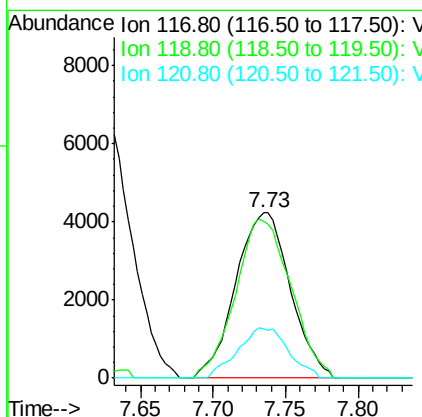
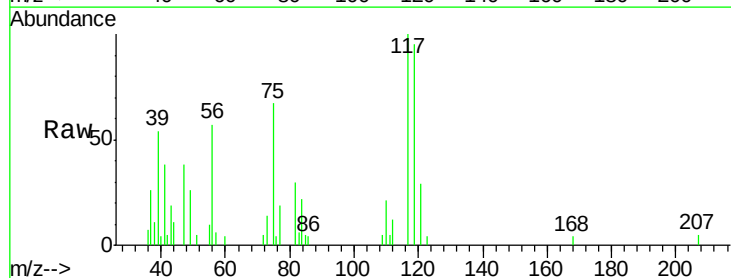
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

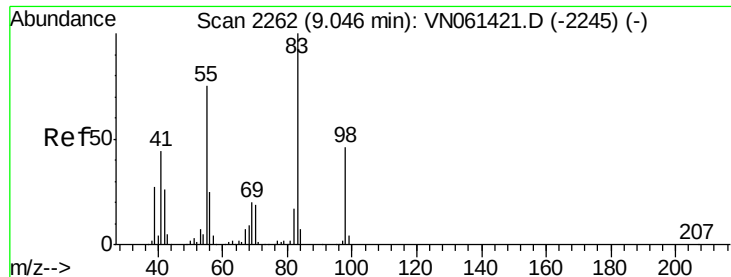
Tot Ion: 43 Resp: 11879
Ion Ratio Lower Upper
43 100
61 14.9 11.5 17.3
70 8.7 8.0 12.0



#38
Carbon Tetrachloride
Concen: 5.164 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Tgt Ion: 117 Resp: 11106
Ion Ratio Lower Upper
117 100
119 95.1 75.5 113.3
121 29.4 24.6 36.8

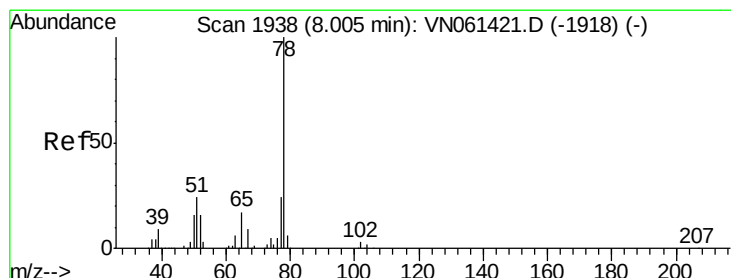
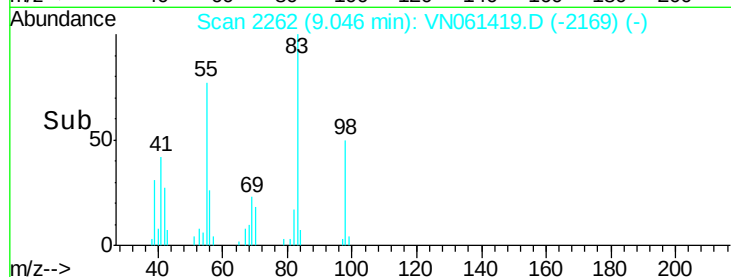
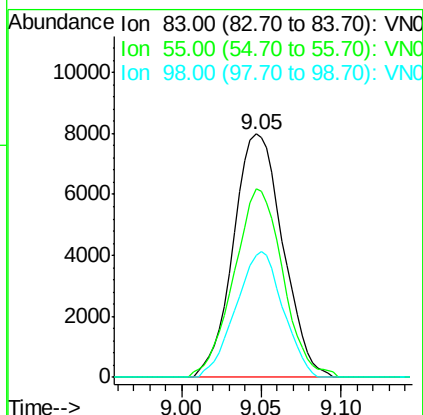
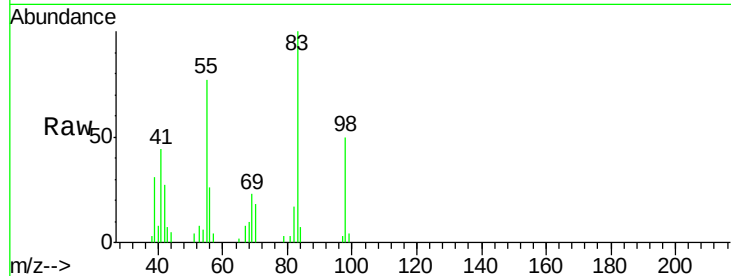




#39
Methylvlcyclohexane
Concen: 5.572 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

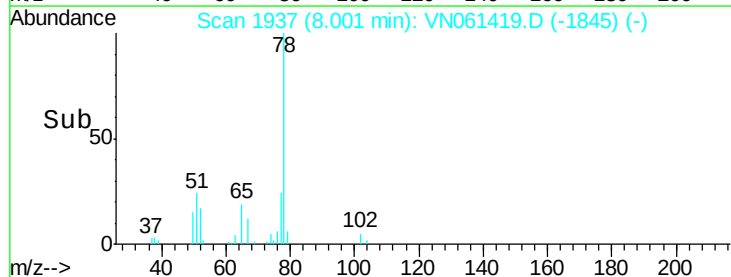
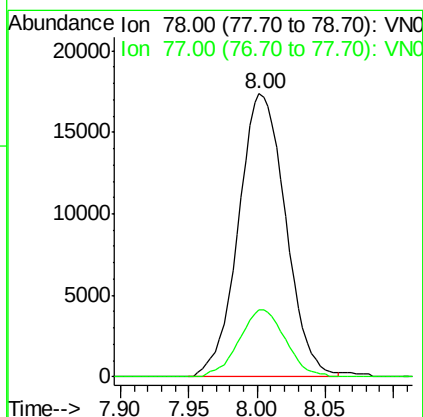
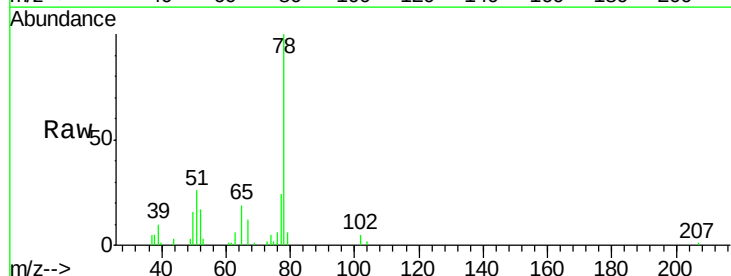
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

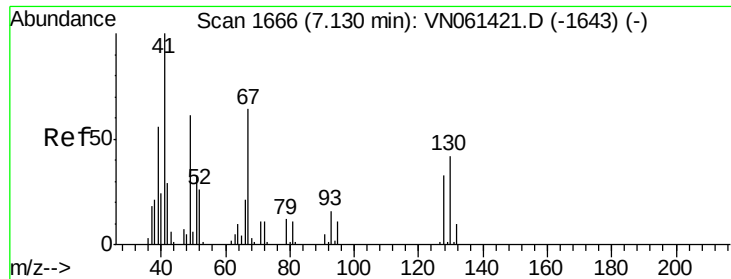
Tot Ion: 83 Resp: 16896
Ion Ratio Lower Upper
83 100
55 77.2 60.1 90.1
98 50.2 37.0 55.6



#40
Benzene
Concen: 5.232 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Tgt Ion: 78 Resp: 41683
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.6

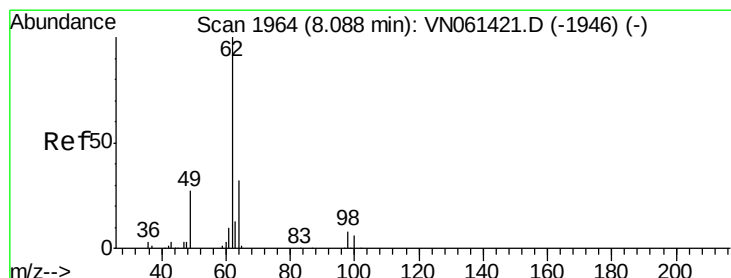
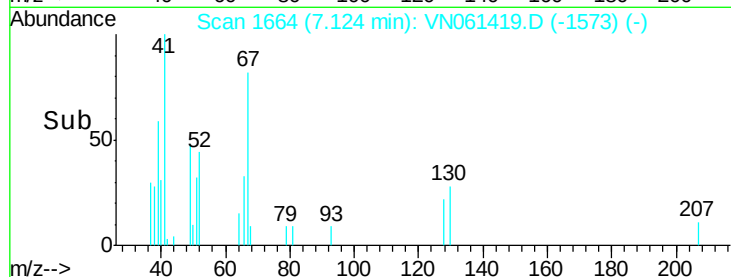
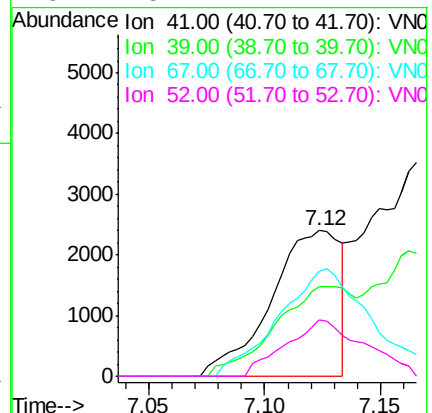
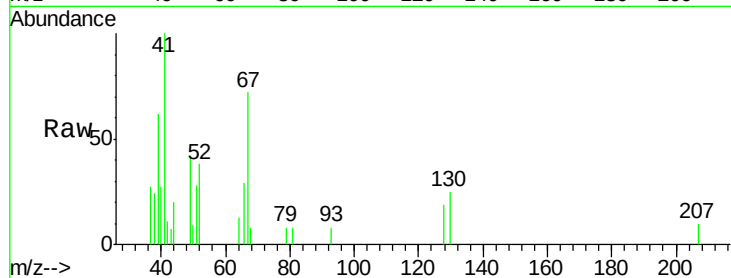




#41
Methacrylonitrile
Concen: 3.879 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

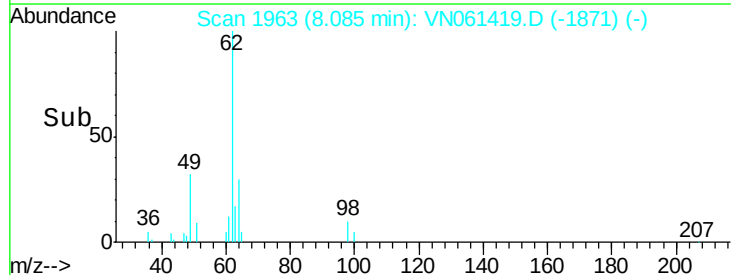
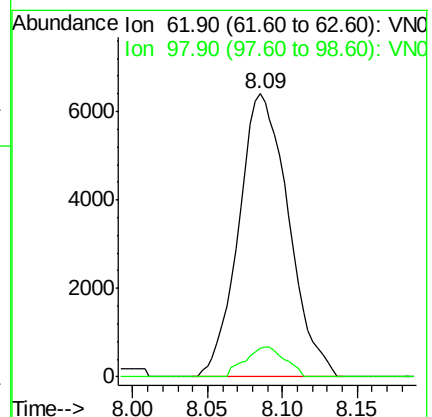
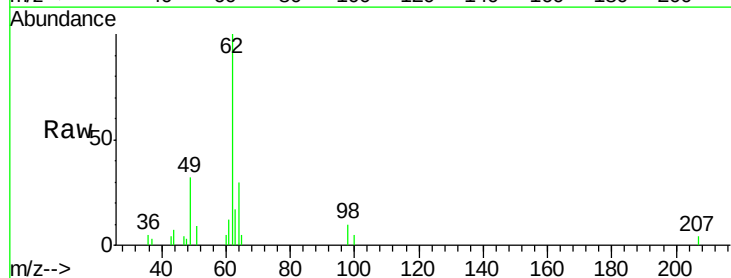
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

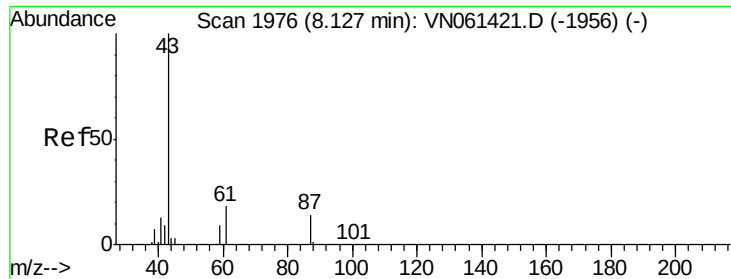
Tot Ion: 41 Resp: 4988
Ion Ratio Lower Upper
41 100
39 69.7 42.2 63.4#
67 97.1 64.7 97.1
52 43.7 27.4 41.2#



#42
1,2-Dichloroethane
Concen: 4.959 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Tgt Ion: 62 Resp: 14837
Ion Ratio Lower Upper
62 100
98 8.4 0.0 17.0





#43

Isopropyl Acetate

Concen: 4.604 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

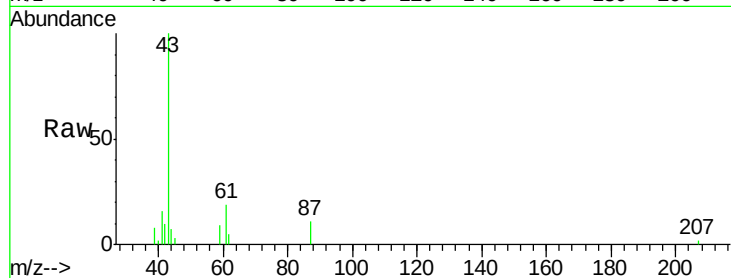
Tot Ion: 43 Resp: 23231

Ion Ratio Lower Upper

43 100

61 24.8 21.3 31.9

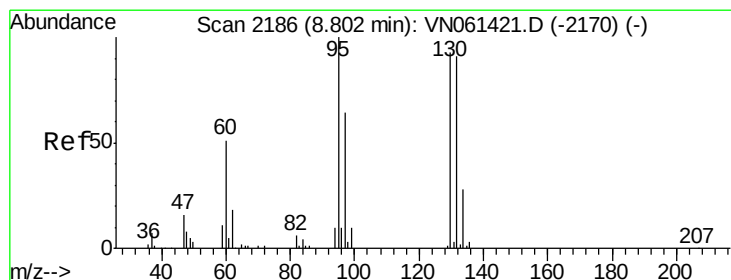
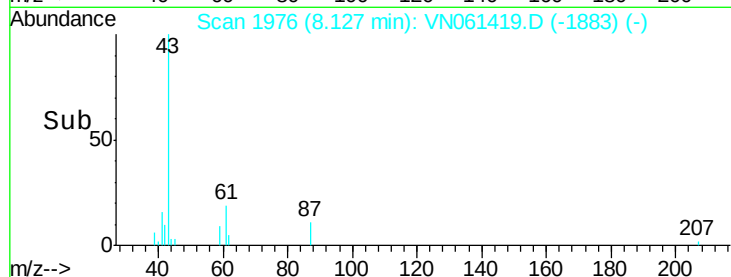
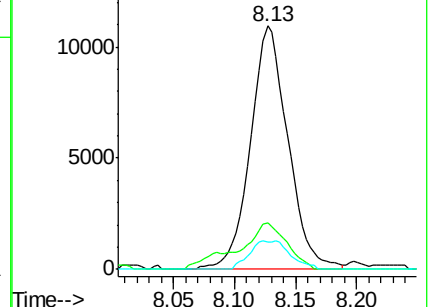
87 12.6 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VN061421.D (-1956) (-)

Ion 61.00 (60.70 to 61.70): VN061421.D (-1956) (-)

Ion 87.00 (86.70 to 87.70): VN061421.D (-1956) (-)



#44

Trichloroethene

Concen: 4.917 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061419.D

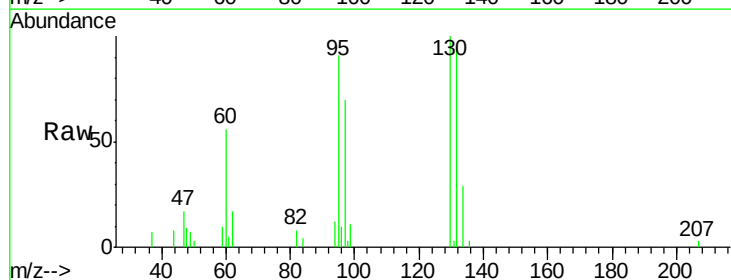
Acq: 15 May 2020 20:59

Tgt Ion: 130 Resp: 10537

Ion Ratio Lower Upper

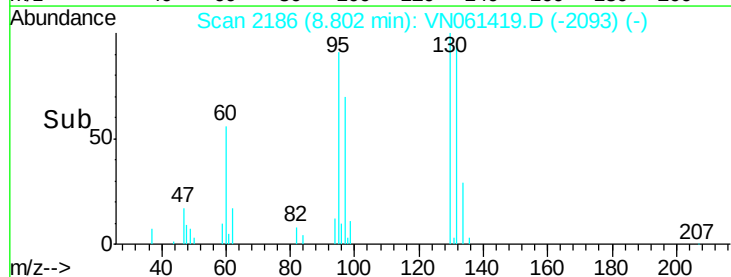
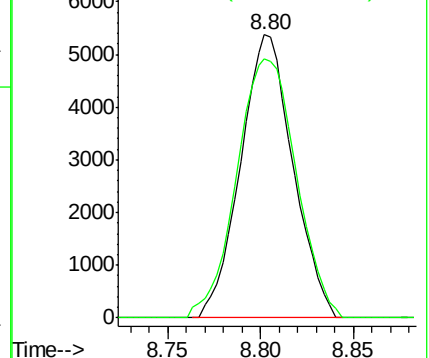
130 100

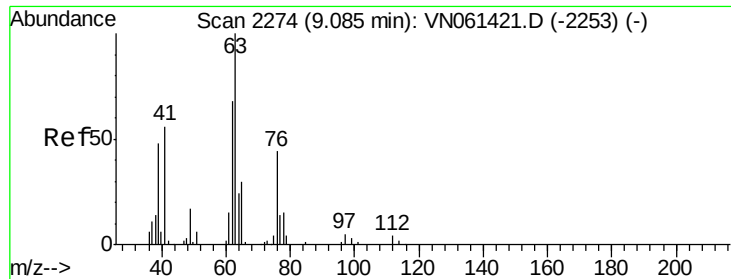
95 91.4 0.0 214.8



Abundance Ion 129.80 (129.50 to 130.50): VN061421.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN061421.D (-2170) (-)

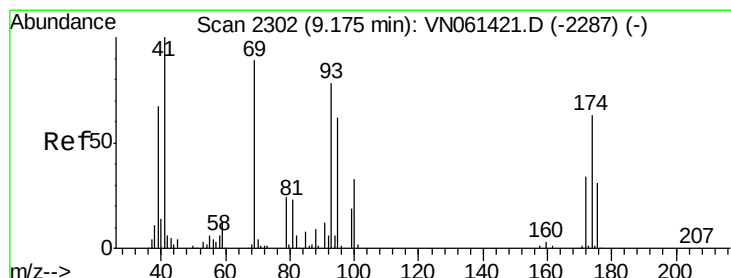
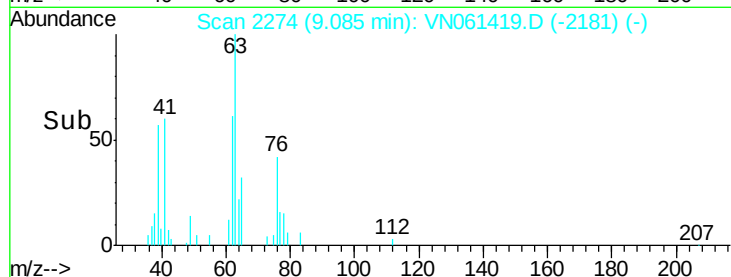
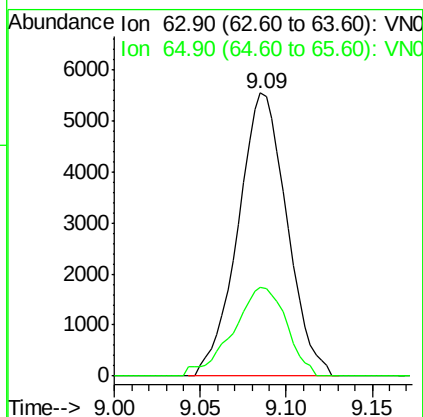
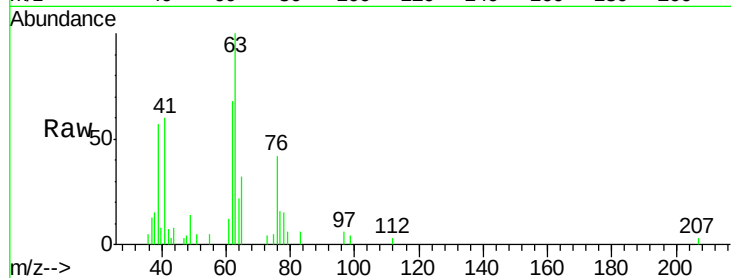




#45
 1,2-Dichloropropane
 Concen: 5.185 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

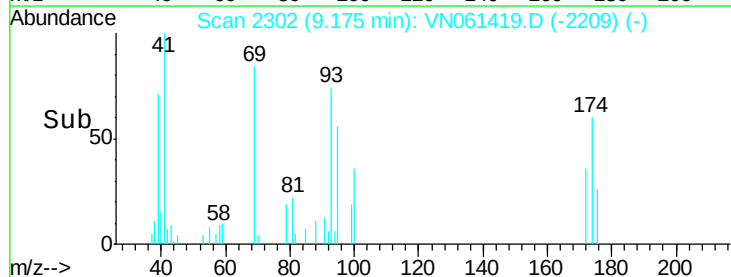
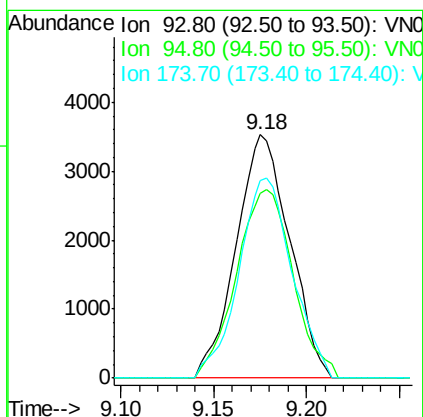
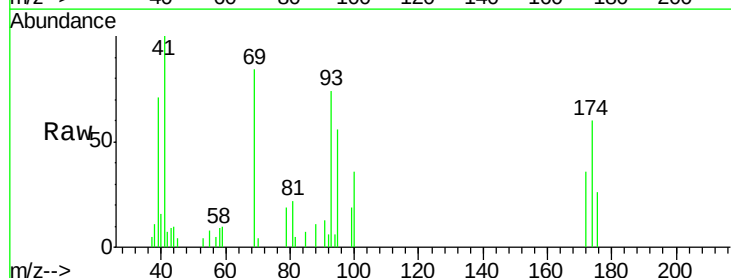
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

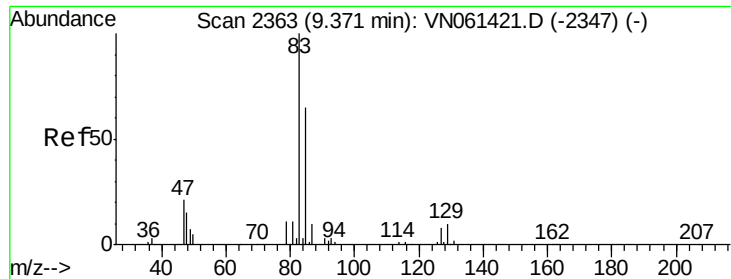
Tot Ion: 63 Resp: 10960
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.9 35.9



#46
 Dibromomethane
 Concen: 5.364 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Tgt Ion: 93 Resp: 7087
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.3 97.9
 174 81.8 66.2 99.2

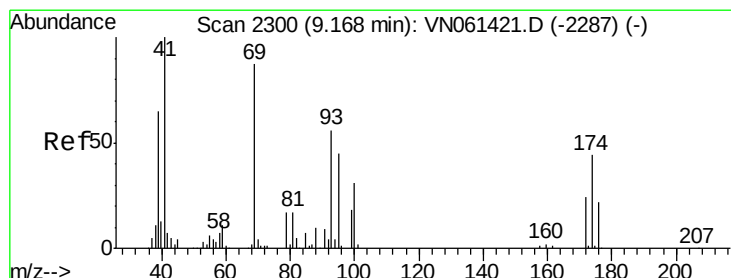
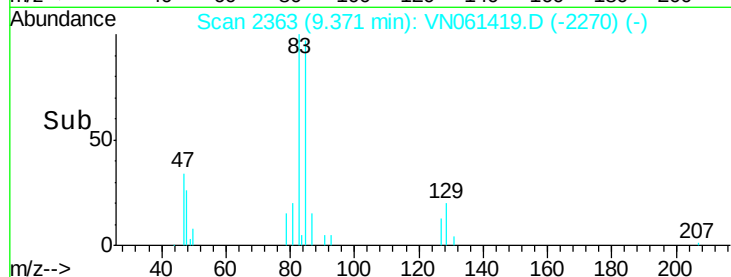
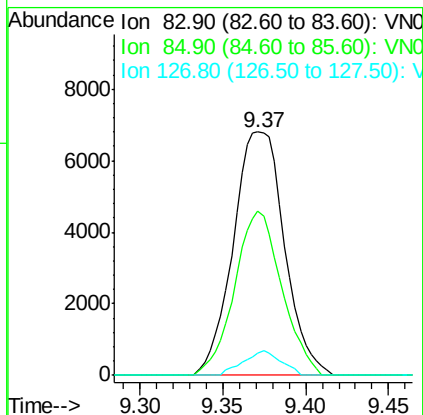
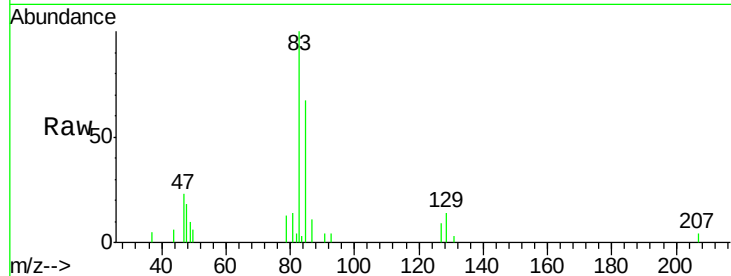




#47
Bromodichloromethane
Concen: 5.172 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

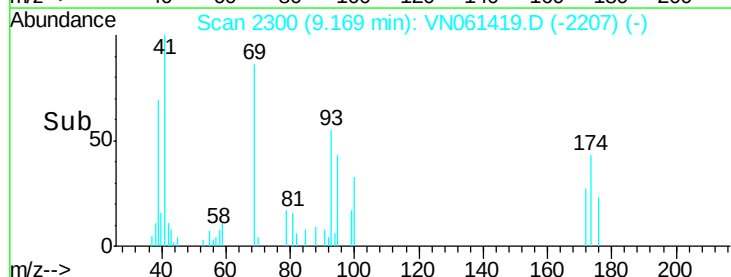
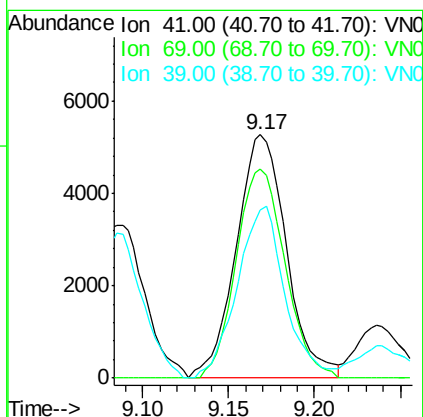
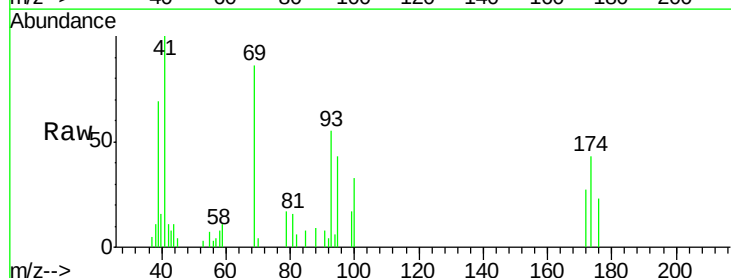
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

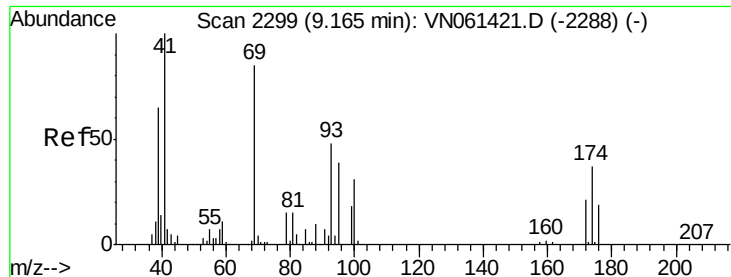
Tot Ion: 83 Resp: 14654
Ion Ratio Lower Upper
83 100
85 67.3 52.1 78.1
127 9.0 6.3 9.5



#48
Methyl methacrylate
Concen: 4.726 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Tgt Ion: 41 Resp: 10731
Ion Ratio Lower Upper
41 100
69 83.7 71.1 106.7
39 66.3 54.8 82.2

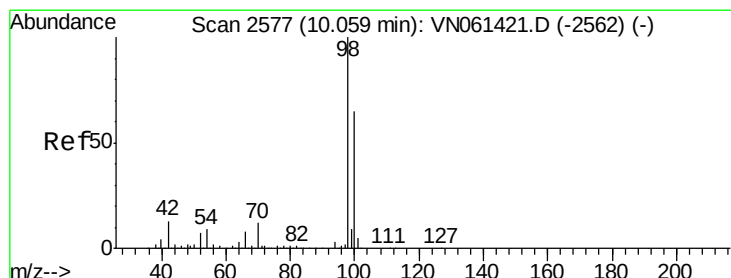
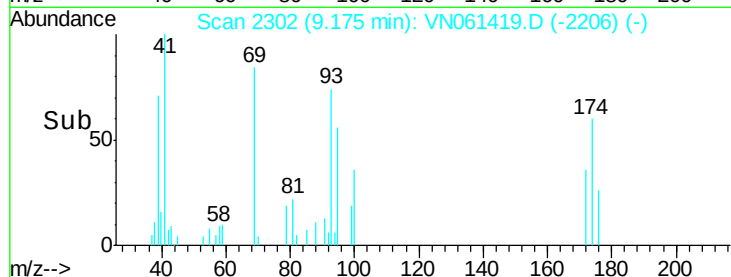
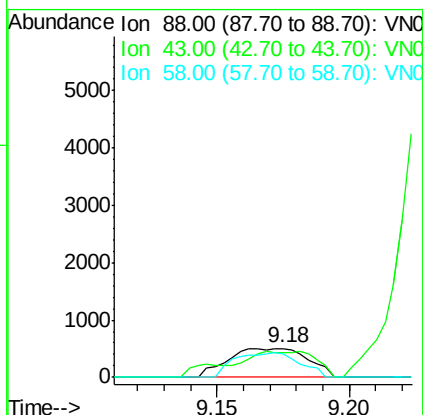
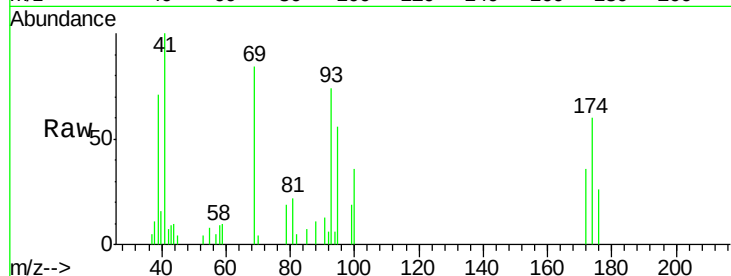




#49
1,4-Dioxane
Concen: 43.723 ug/l m
RT: 9.18 min Scan# 2302
Delta R.T. 0.01 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

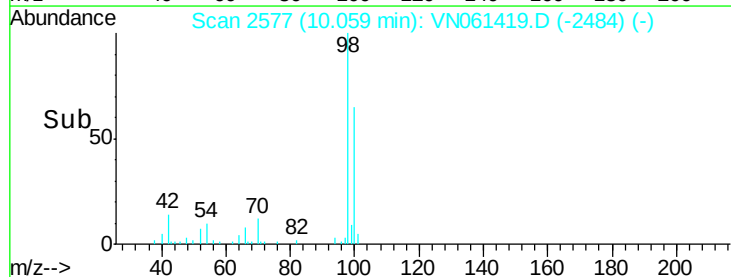
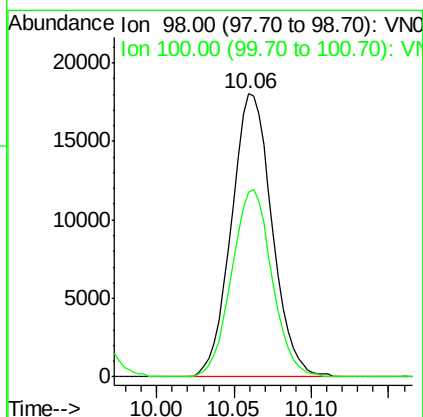
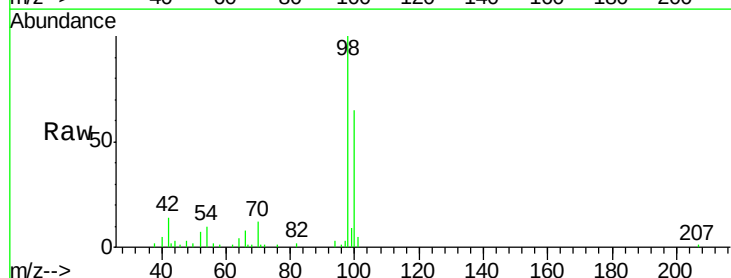
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

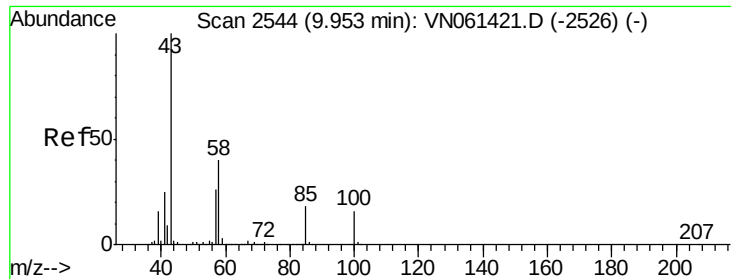
Tot Ion: 88 Resp: 1065
Ion Ratio Lower Upper
88 100
43 77.8 38.9 58.3#
58 68.6 55.5 83.3



#50
Toluene-d8
Concen: 5.051 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Tgt Ion: 98 Resp: 32945
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0

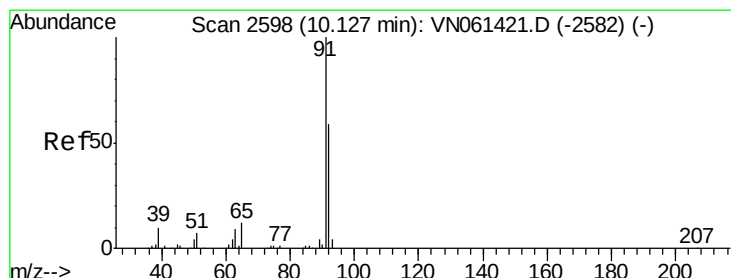
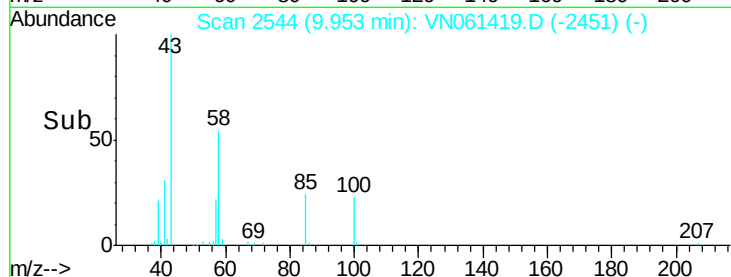
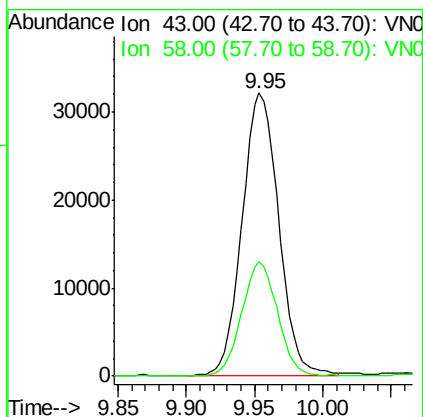
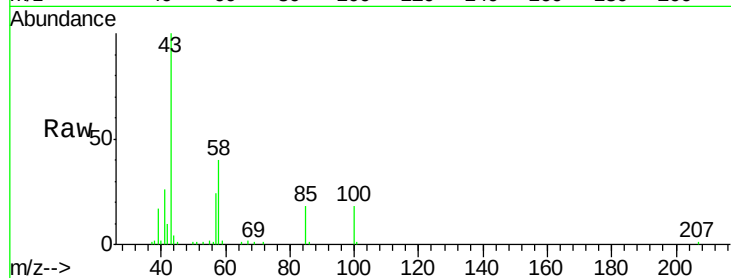




#51
 4-Methyl-2-Pentanone
 Concen: 20.558 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

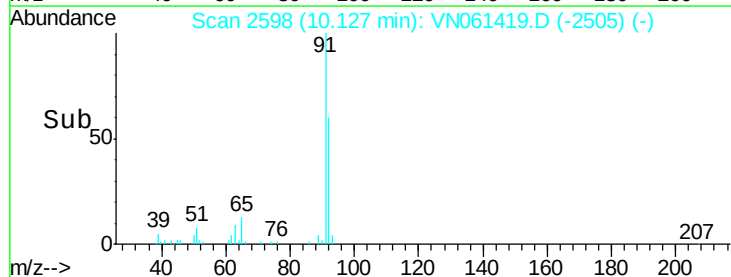
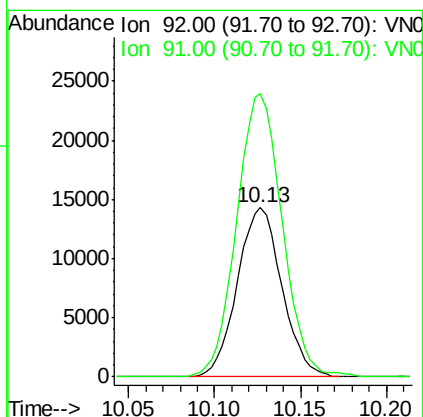
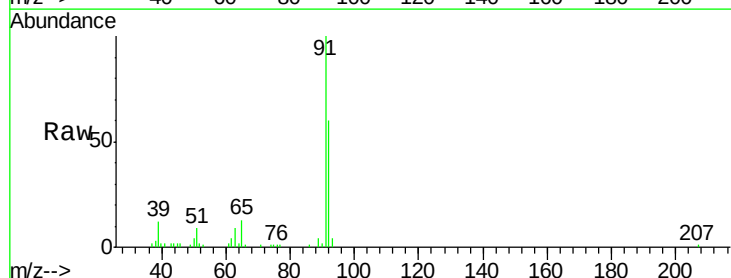
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

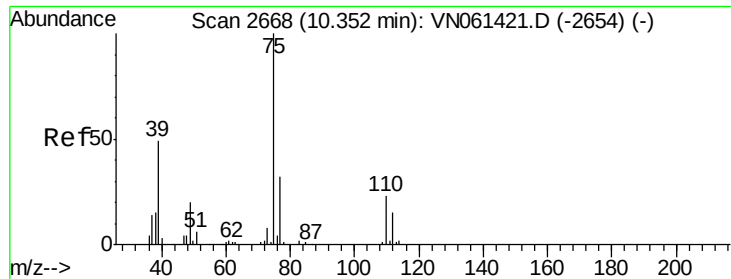
Tot Ion: 43 Resp: 60171
 Ion Ratio Lower Upper
 43 100
 58 39.2 32.2 48.4



#52
 Toluene
 Concen: 5.307 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Tgt Ion: 92 Resp: 25686
 Ion Ratio Lower Upper
 92 100
 91 171.1 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 4.973 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

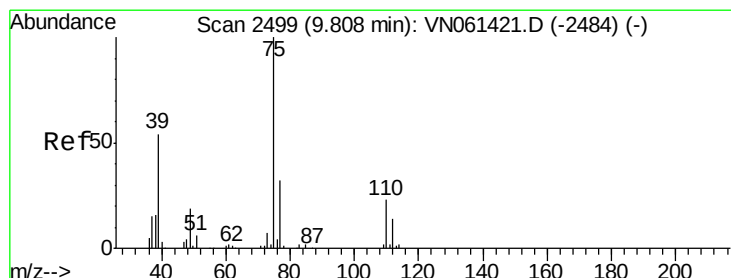
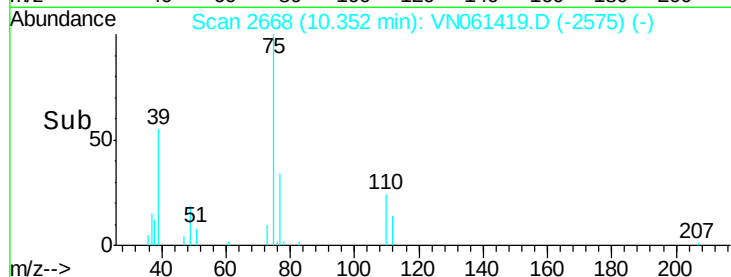
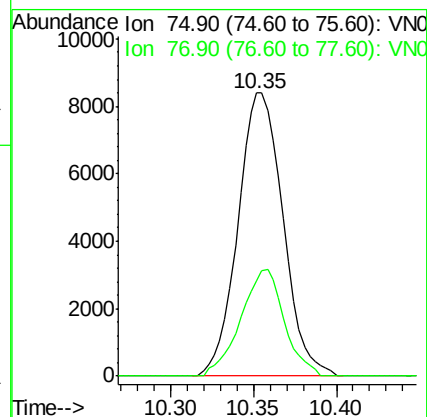
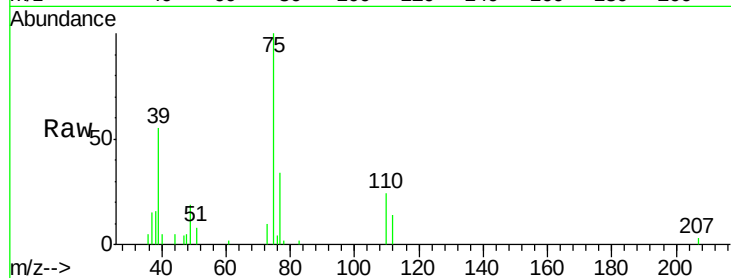
VSTDIC005

Tot Ion: 75 Resp: 15877

Ion Ratio Lower Upper

75 100

77 33.9 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 5.035 ug/l

RT: 9.81 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

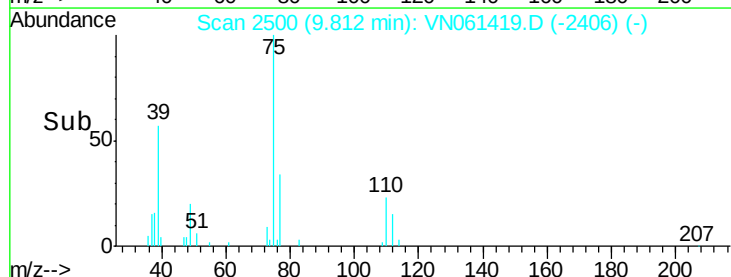
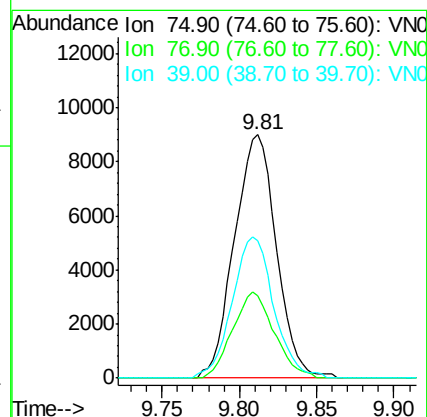
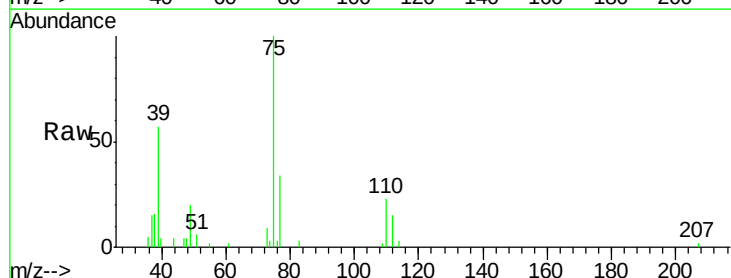
Tgt Ion: 75 Resp: 16979

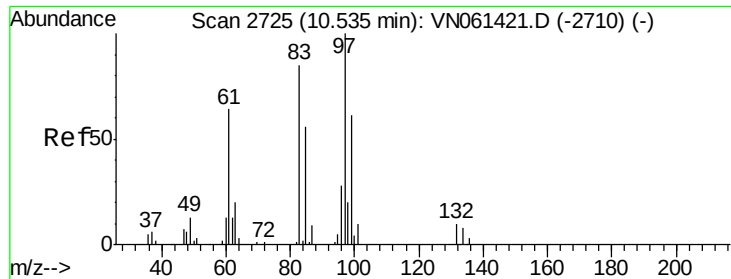
Ion Ratio Lower Upper

75 100

77 33.6 26.0 39.0

39 56.5 43.0 64.6

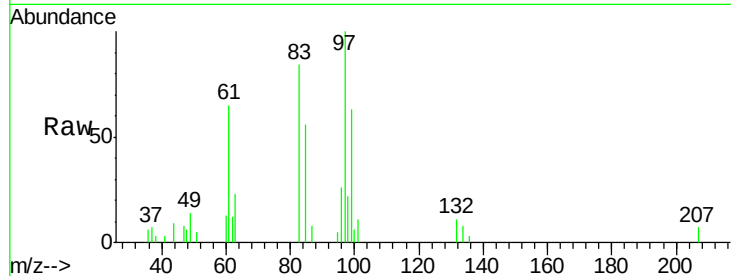




#55
 1,1,2-Trichloroethane
 Concen: 5.003 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	9595
Ion	Ratio	Lower	Upper
97	100		
83	84.1	67.7	101.5
85	55.9	44.6	66.8
99	62.6	48.7	73.1



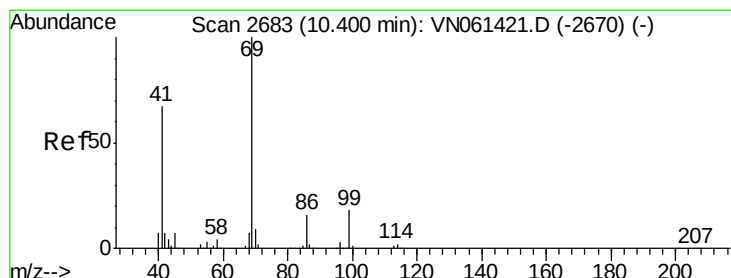
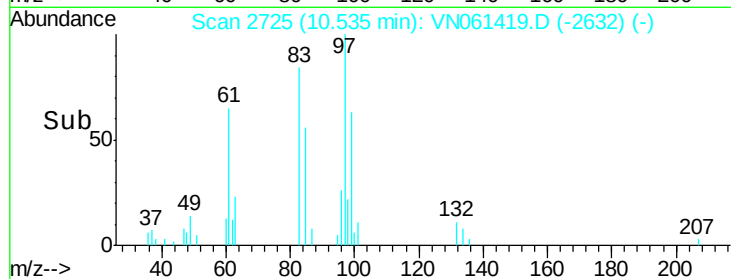
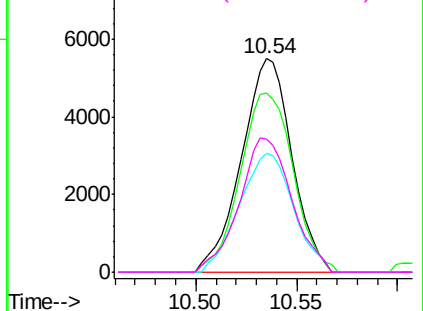
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

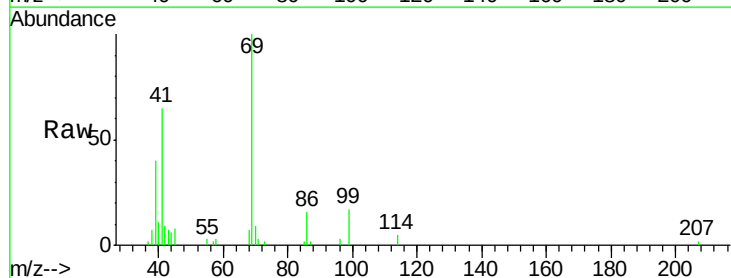
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 5.404 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Tgt Ion:	69	Resp:	15630
Ion	Ratio	Lower	Upper
69	100		
41	71.2	51.6	77.4
39	45.9	32.9	49.3

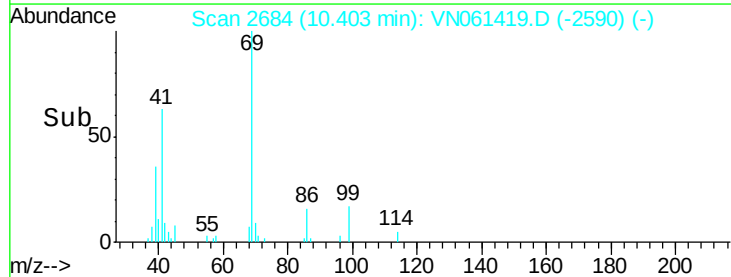
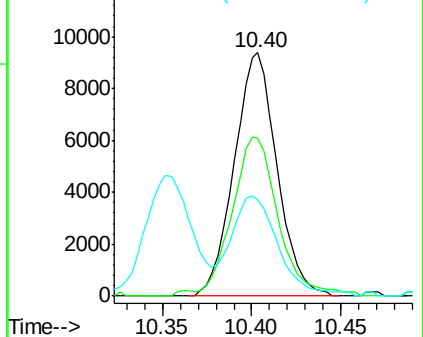


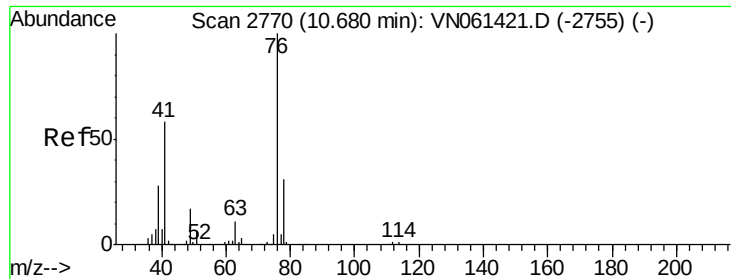
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

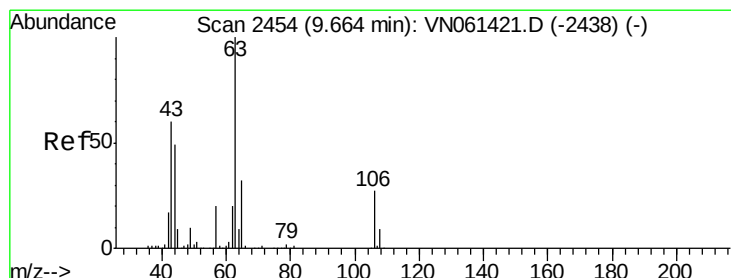
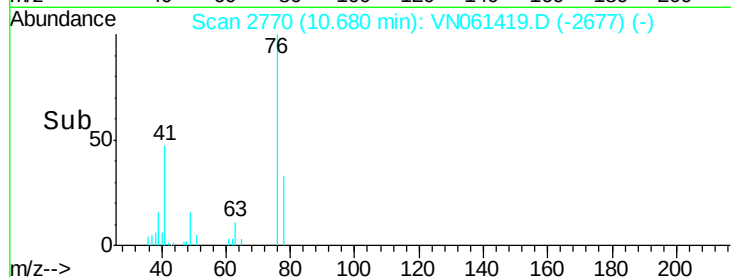
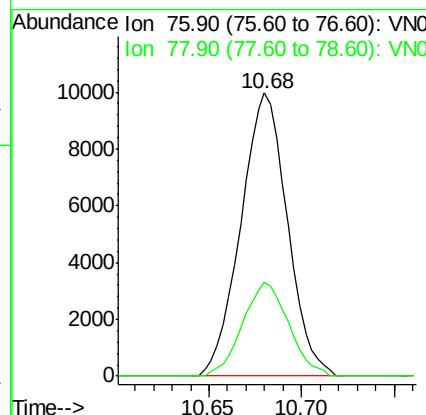
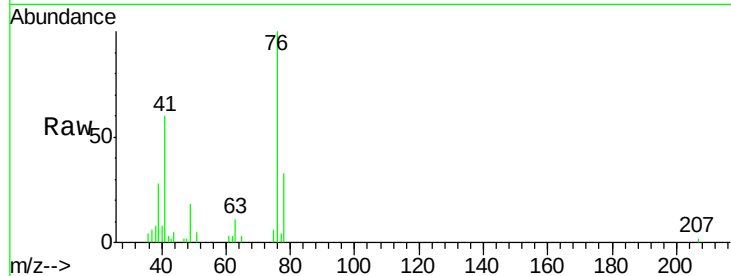




#57
 1,3-Dichloropropane
 Concen: 5.192 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

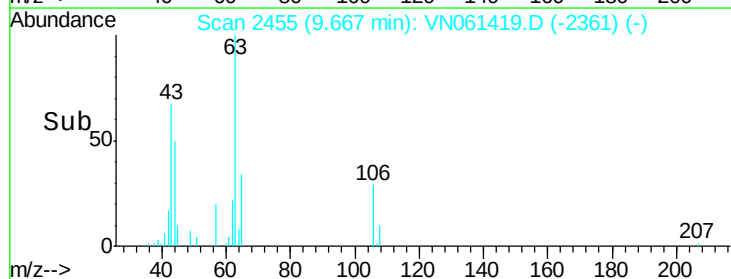
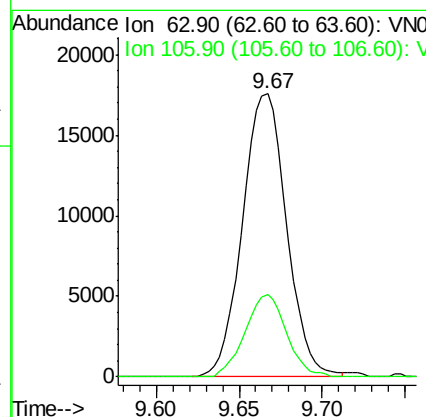
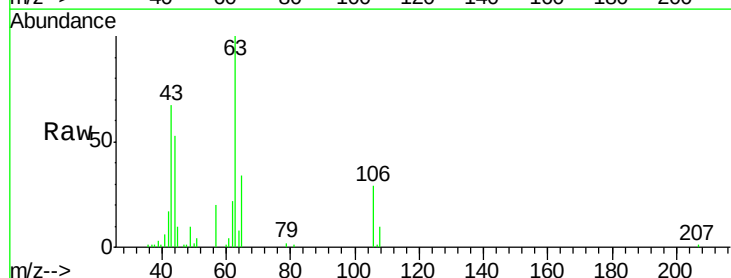
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

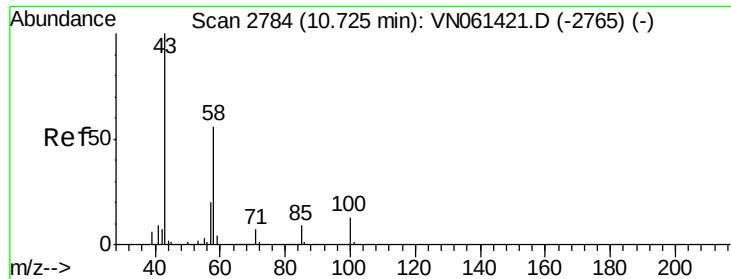
Tot Ion: 76 Resp: 17404
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.426 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Tgt Ion: 63 Resp: 32476
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.7 32.5

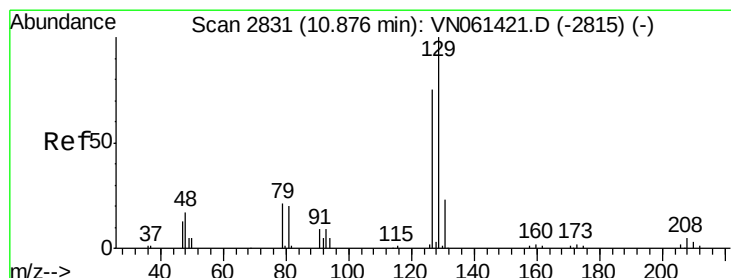
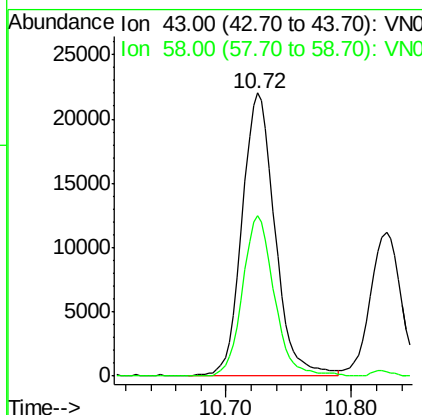
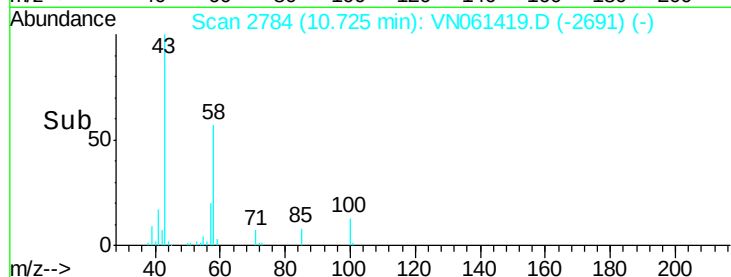
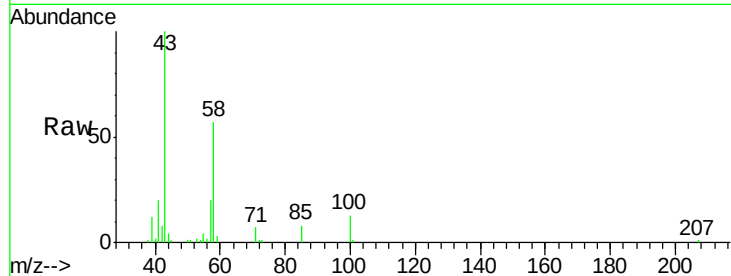




#59
2-Hexanone
Concen: 19.112 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

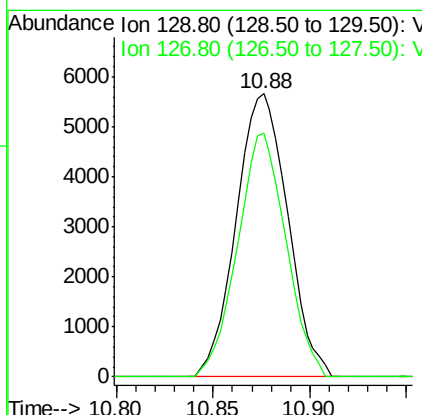
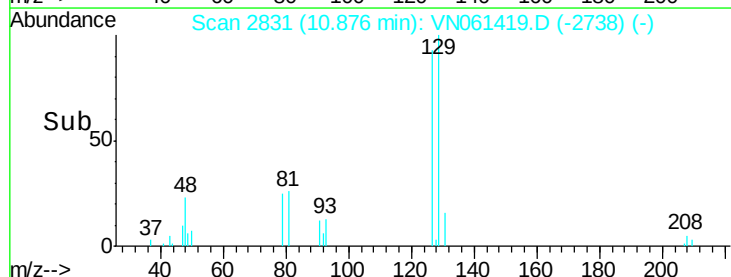
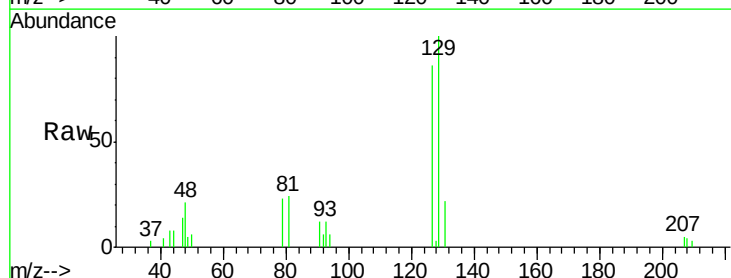
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

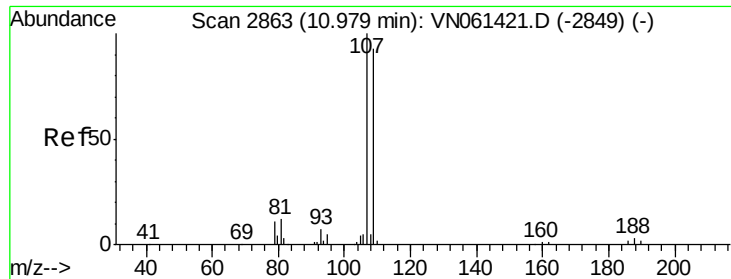
Tot Ion: 43 Resp: 40324
Ion Ratio Lower Upper
43 100
58 54.3 27.9 83.7



#60
Dibromochloromethane
Concen: 5.178 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Tgt Ion: 129 Resp: 10466
Ion Ratio Lower Upper
129 100
127 81.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 5.242 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

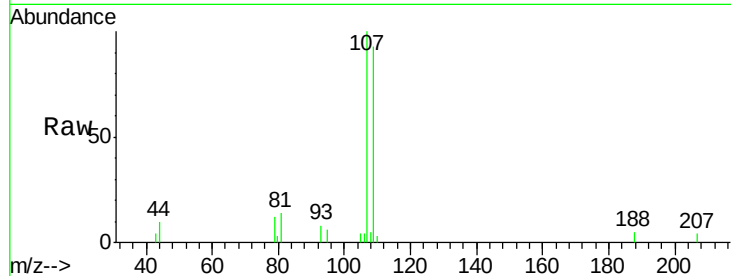
VSTDIC005

Tot Ion: 107 Resp: 10087

Ion Ratio Lower Upper

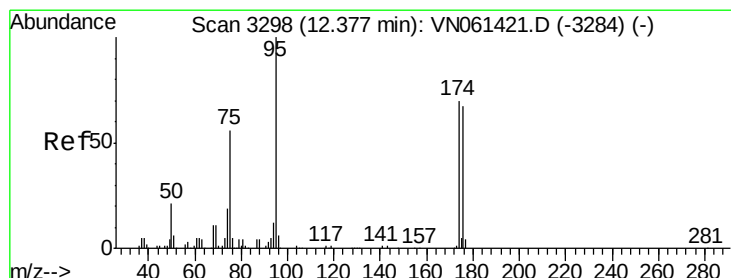
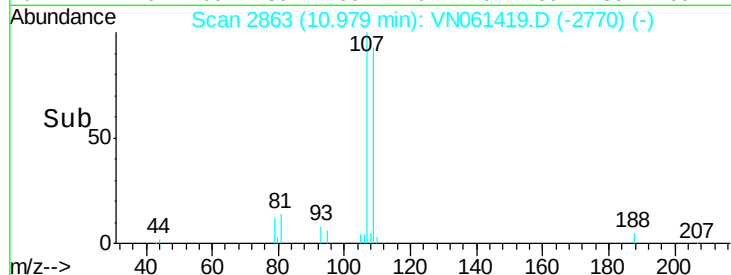
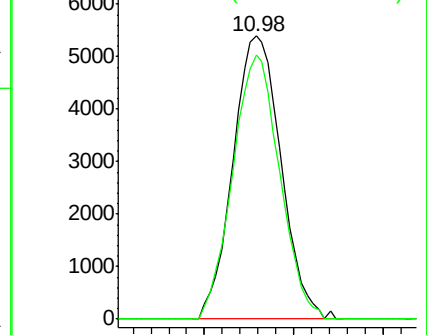
107 100

109 91.3 74.5 111.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.603 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

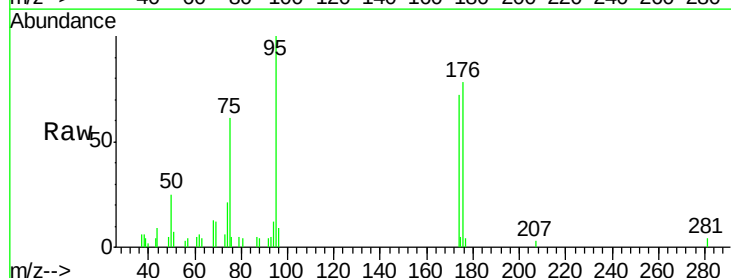
Tgt Ion: 95 Resp: 11302

Ion Ratio Lower Upper

95 100

174 71.2 0.0 140.4

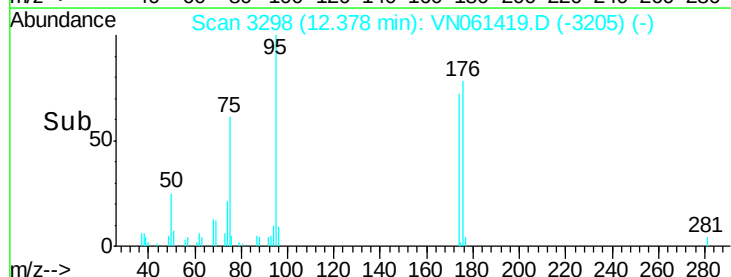
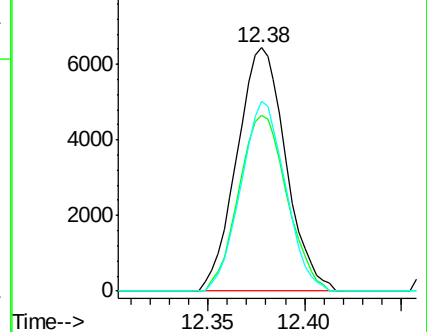
176 70.9 0.0 134.0

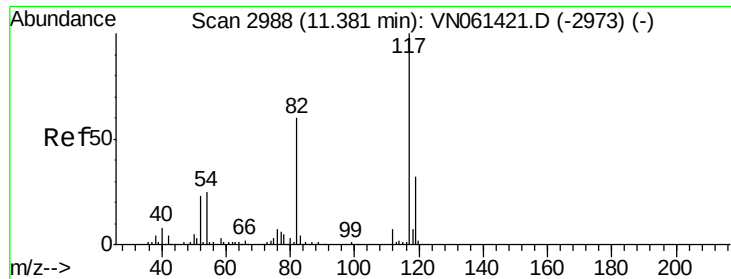


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

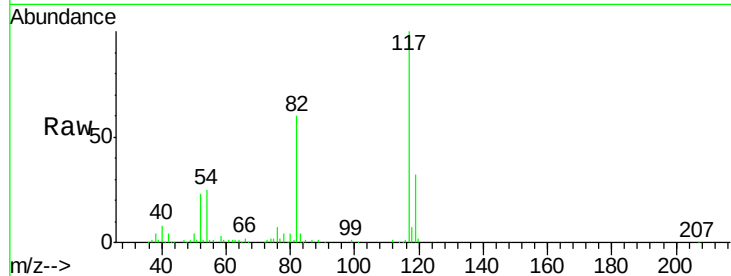




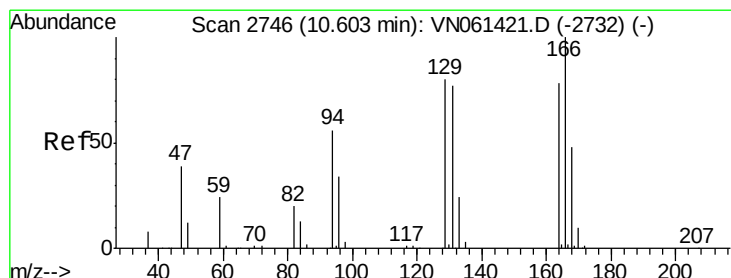
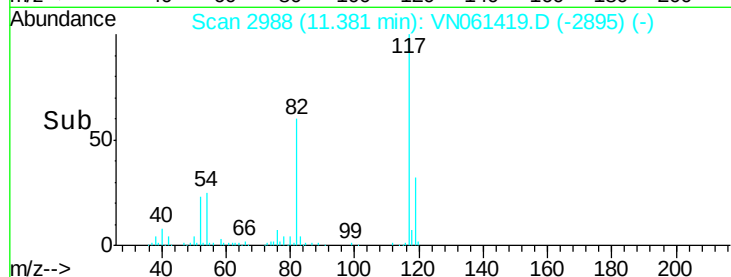
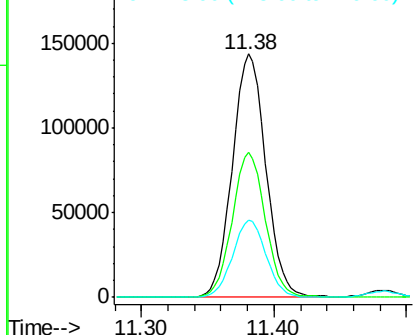
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:117 Resp: 251931
Ion Ratio Lower Upper
117 100
82 59.8 47.7 71.5
119 31.9 25.3 37.9

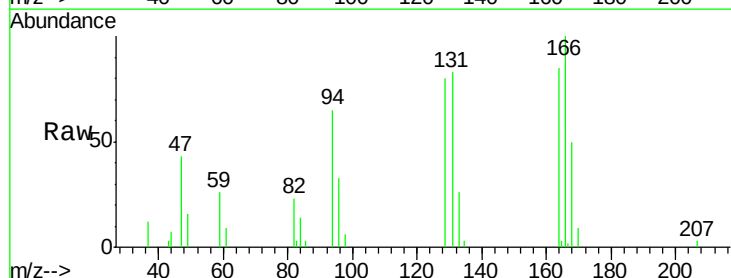


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

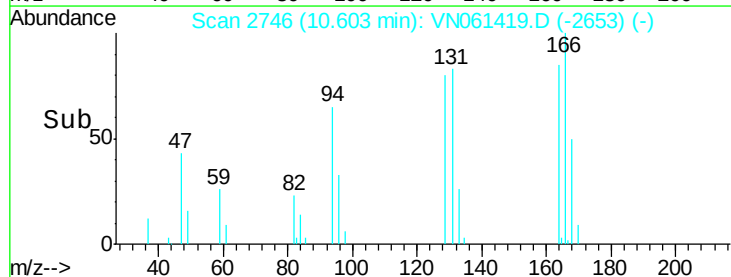
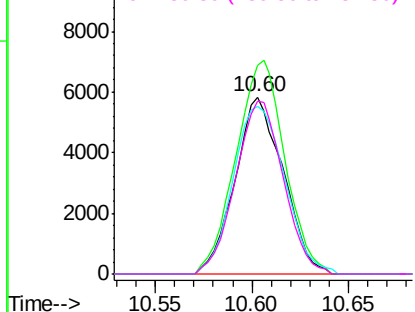


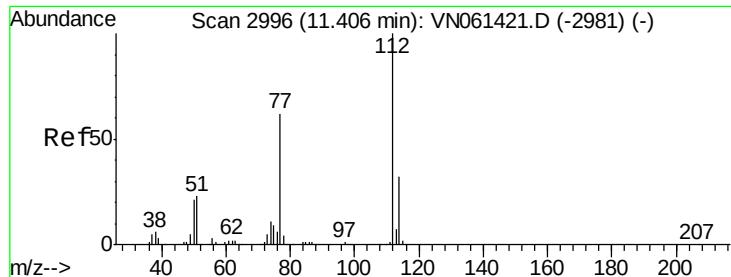
#64
Tetrachloroethene
Concen: 4.717 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Tgt Ion:164 Resp: 10104
Ion Ratio Lower Upper
164 100
166 118.0 102.6 154.0
129 94.4 81.9 122.9
131 97.6 79.4 119.0



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: 5.345 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

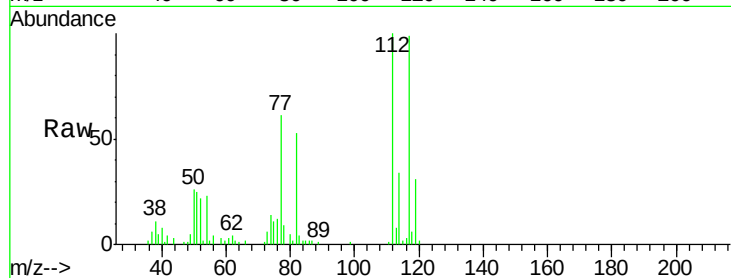
VSTDIC005

Tot Ion:112 Resp: 26755

Ion Ratio Lower Upper

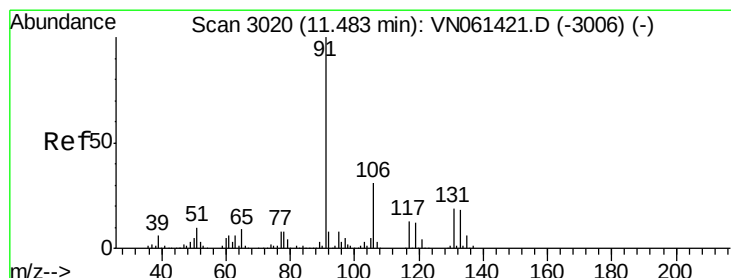
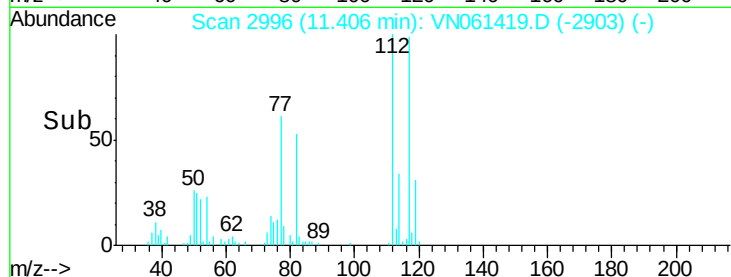
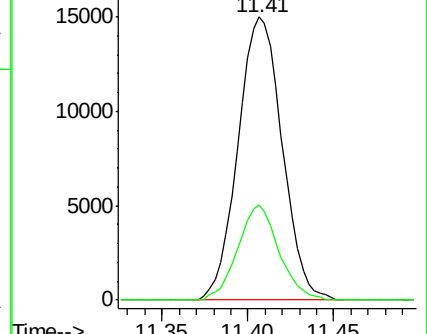
112 100

114 33.8 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.092 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

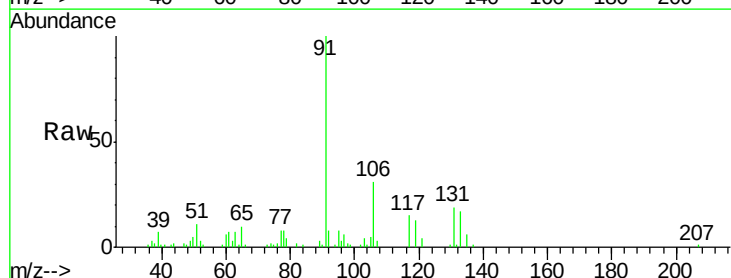
Tgt Ion:131 Resp: 9147

Ion Ratio Lower Upper

131 100

133 95.0 47.5 142.5

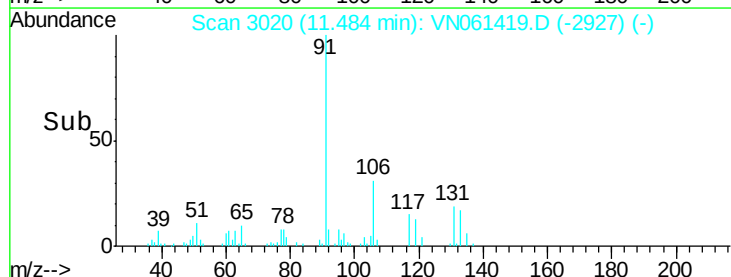
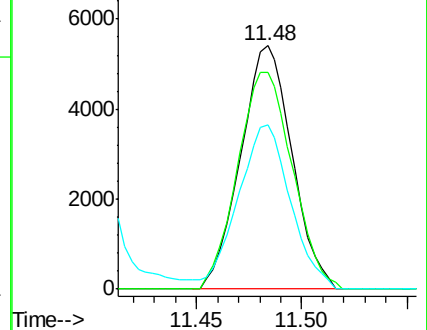
119 68.7 33.0 98.9

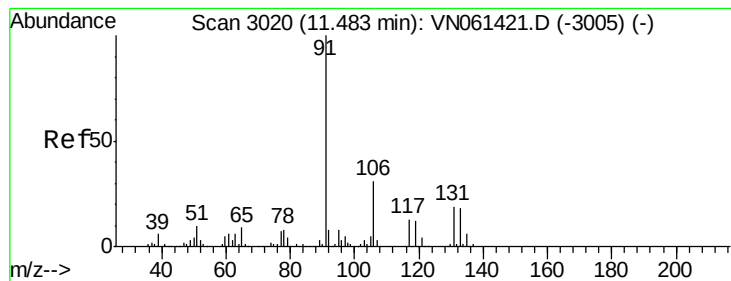


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 5.205 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

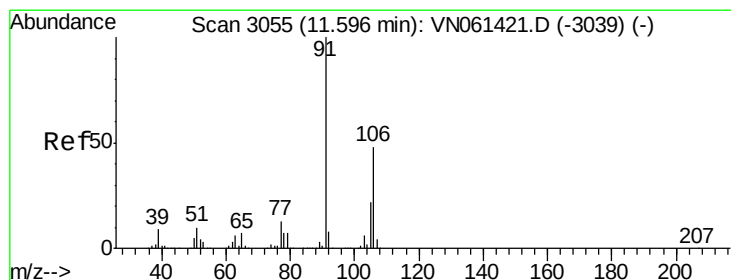
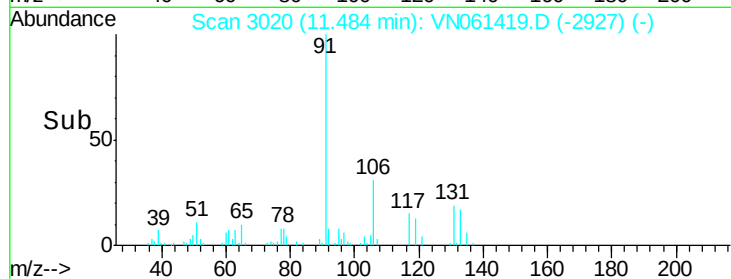
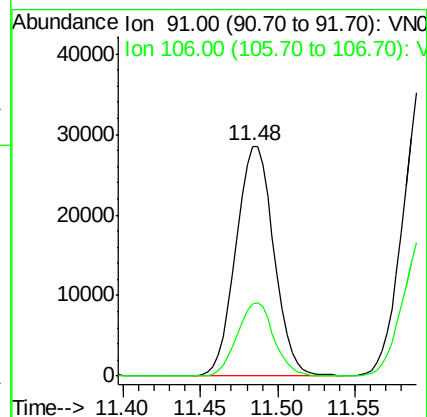
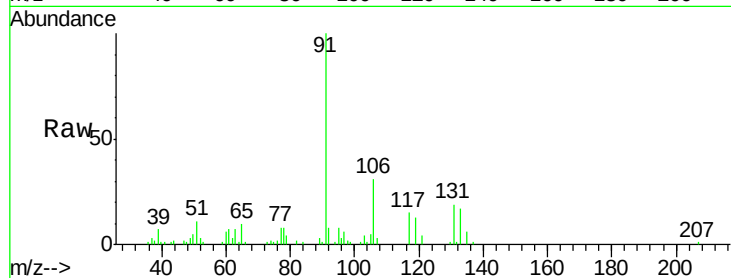
VSTDIC005

Tot Ion: 91 Resp: 48798

Ion Ratio Lower Upper

91 100

106 31.1 24.8 37.2



#68

m/p-Xylenes

Concen: 10.516 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN061419.D

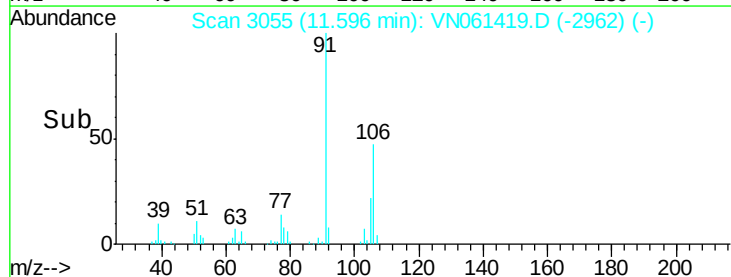
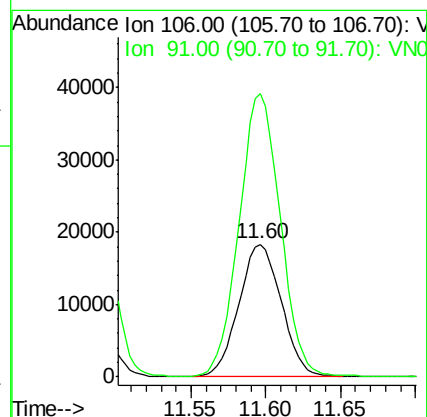
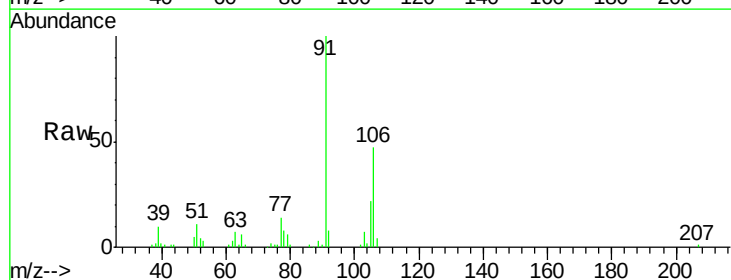
Acq: 15 May 2020 20:59

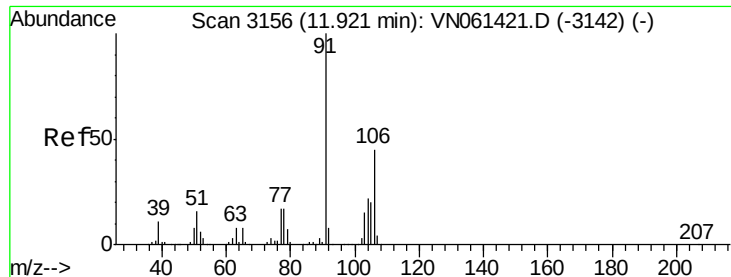
Tgt Ion: 106 Resp: 36193

Ion Ratio Lower Upper

106 100

91 207.9 167.4 251.2

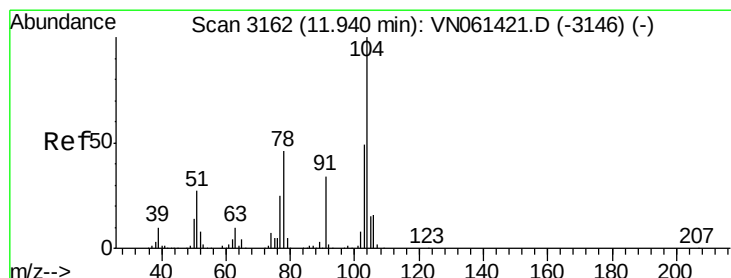
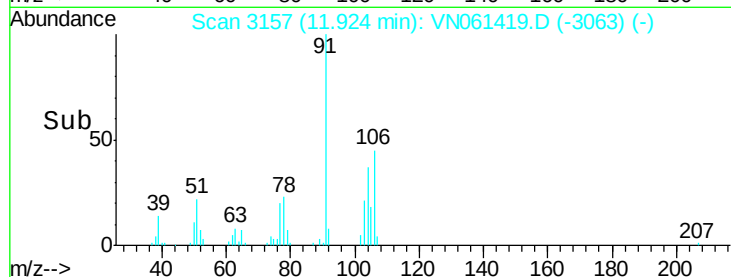
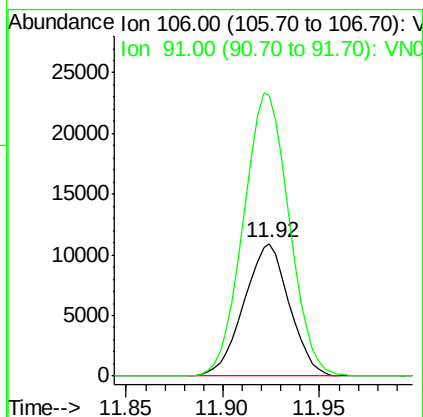
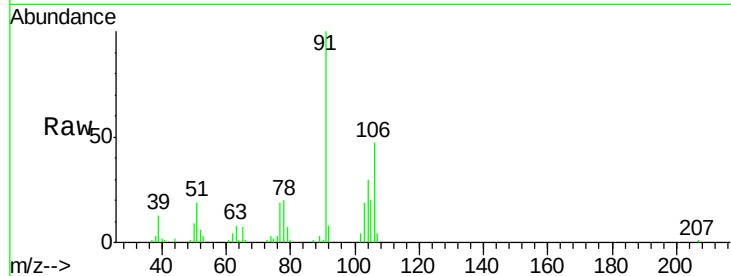




#69
o-Xylene
Concen: 5.393 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

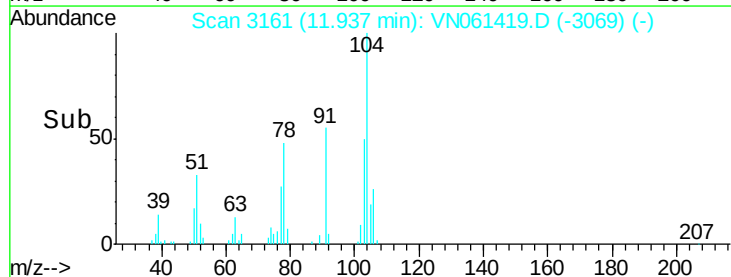
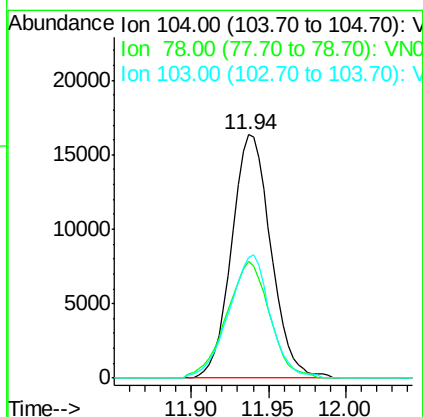
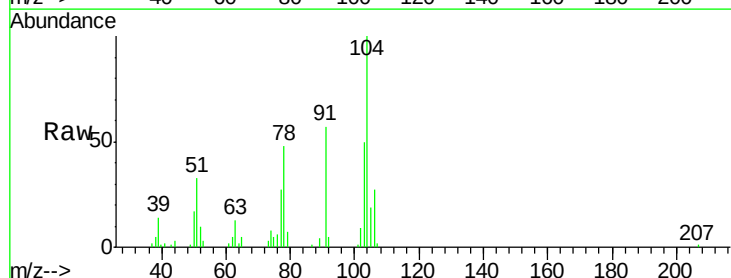
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

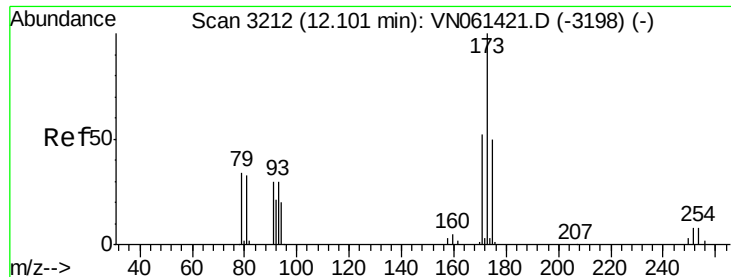
Tot Ion:106 Resp: 17831
Ion Ratio Lower Upper
106 100
91 215.8 109.7 329.2



#70
Styrene
Concen: 5.182 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Tgt Ion:104 Resp: 28784
Ion Ratio Lower Upper
104 100
78 52.6 41.8 62.8
103 53.3 42.9 64.3

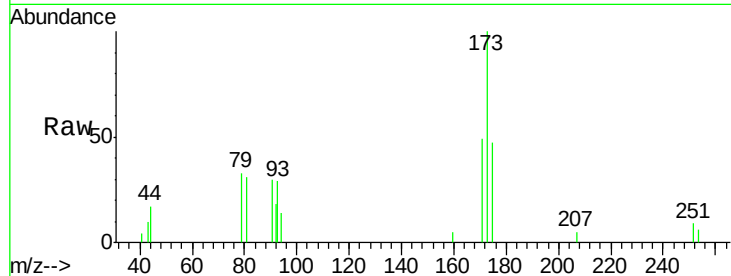




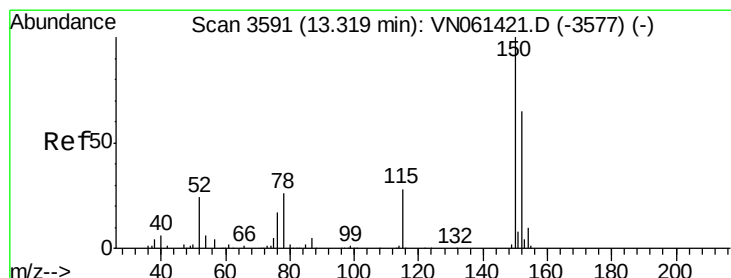
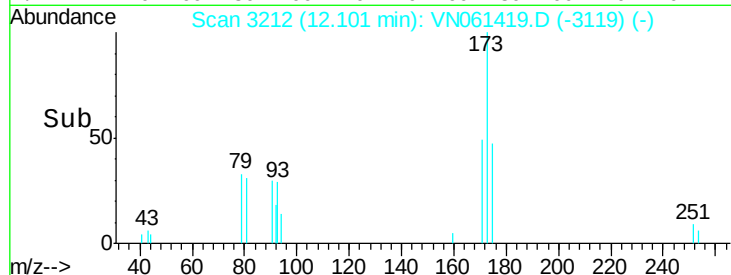
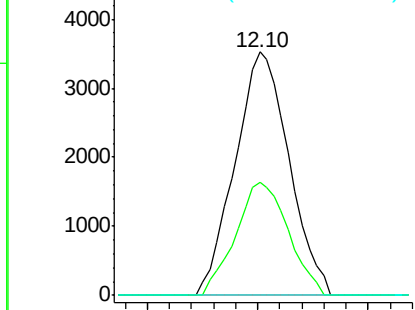
#71
Bromoform
Concen: 4.599 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 5989
Ion Ratio Lower Upper
173 100
175 45.2 24.1 72.4
254 0.0 0.0 0.0

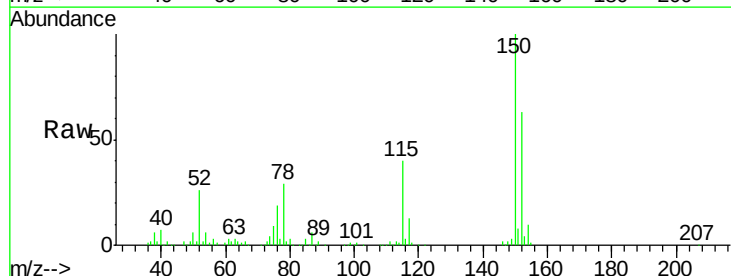


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

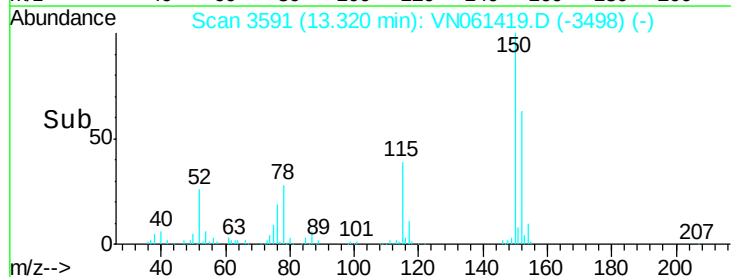
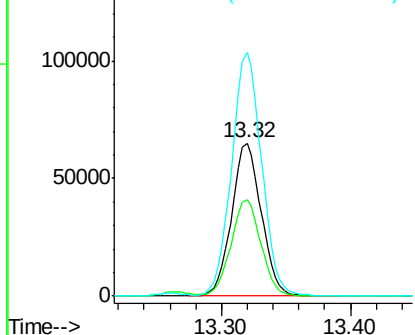


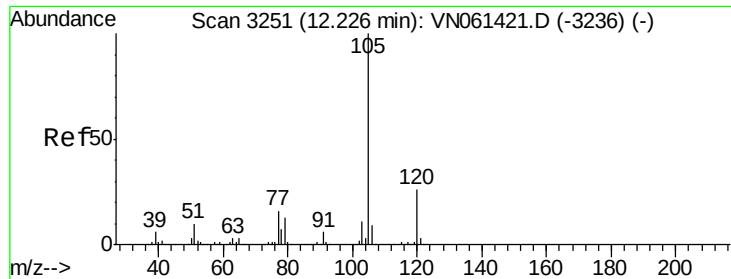
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Tgt Ion:152 Resp: 104007
Ion Ratio Lower Upper
152 100
115 63.5 30.9 92.7
150 159.7 0.0 344.4



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

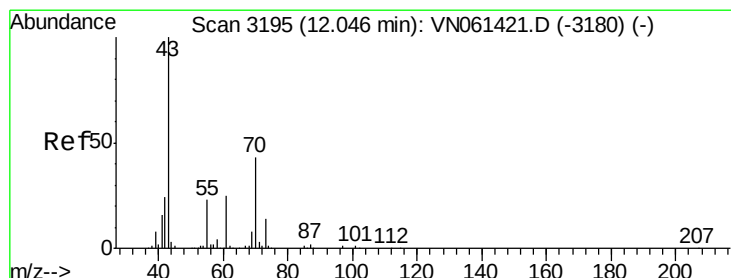
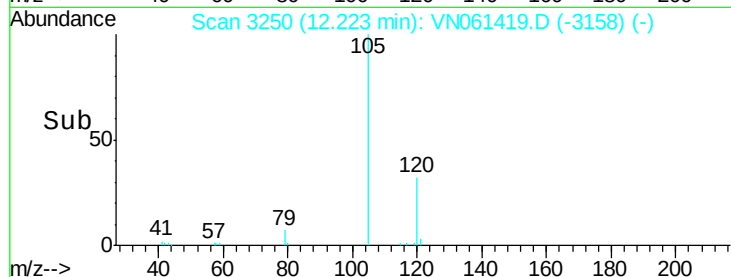
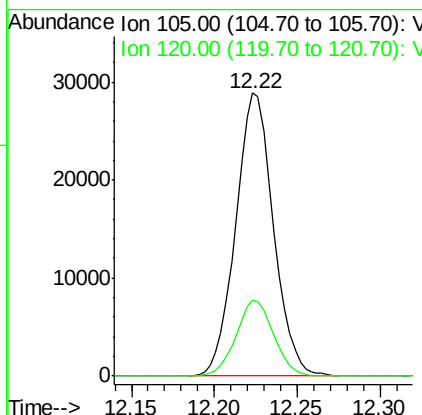
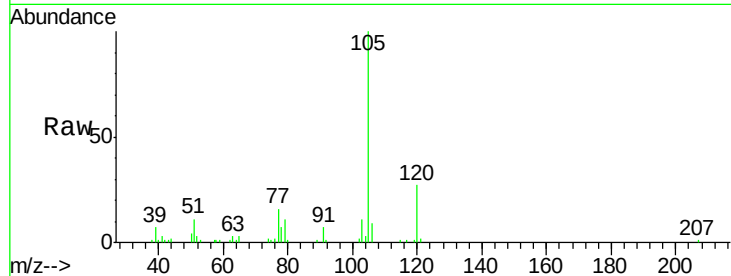




#73
Isopropylbenzene
Concen: 5.925 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

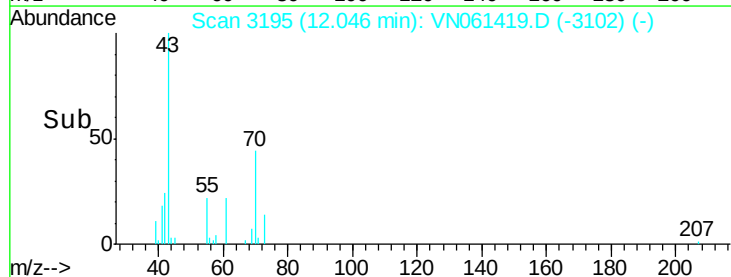
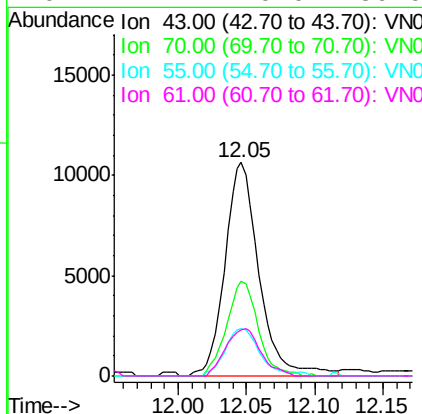
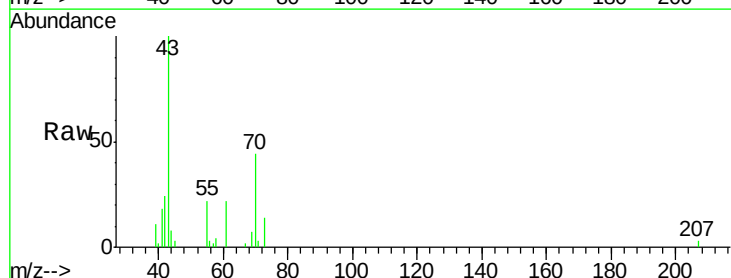
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

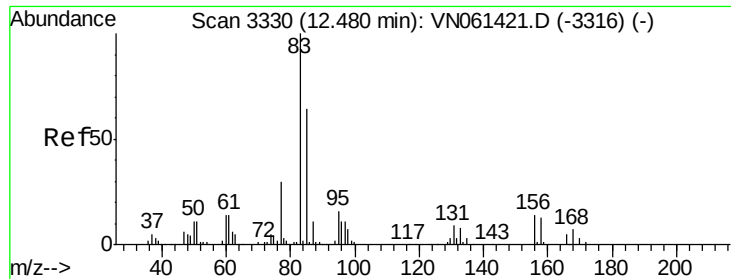
Tot Ion:105 Resp: 45571
Ion Ratio Lower Upper
105 100
120 26.7 13.1 39.1



#74
N-ethyl acetate
Concen: 4.937 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Tgt Ion: 43 Resp: 18492
Ion Ratio Lower Upper
43 100
70 41.2 34.8 52.2
55 22.2 19.0 28.6
61 22.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.876 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

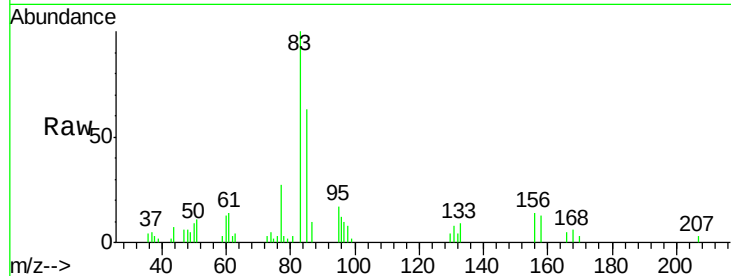
Tot Ion: 83 Resp: 13814

Ion Ratio Lower Upper

83 100

131 8.5 4.8 14.4

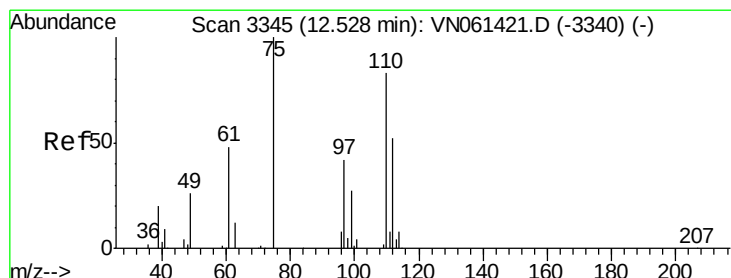
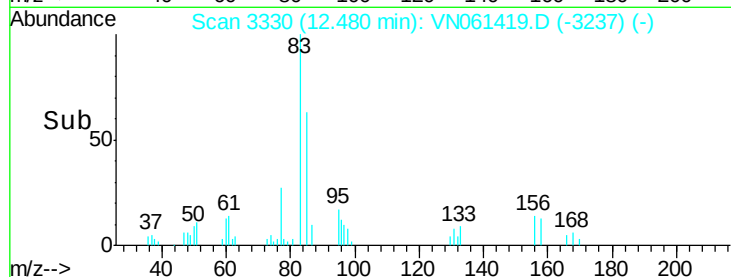
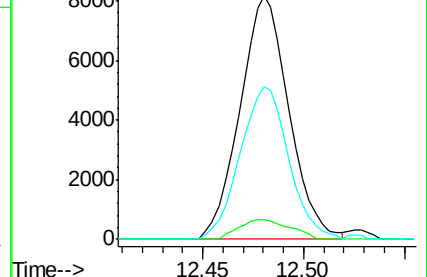
85 62.4 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 5.703 ug/l m

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN061419.D

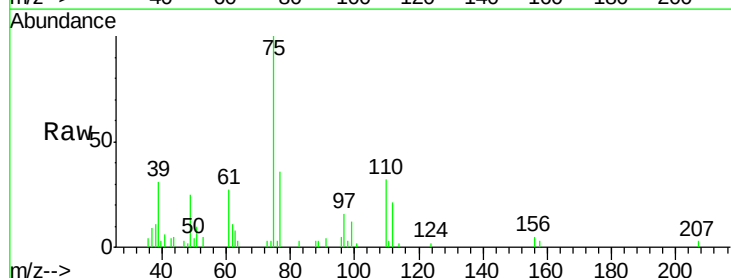
Acq: 15 May 2020 20:59

Tgt Ion: 75 Resp: 12346

Ion Ratio Lower Upper

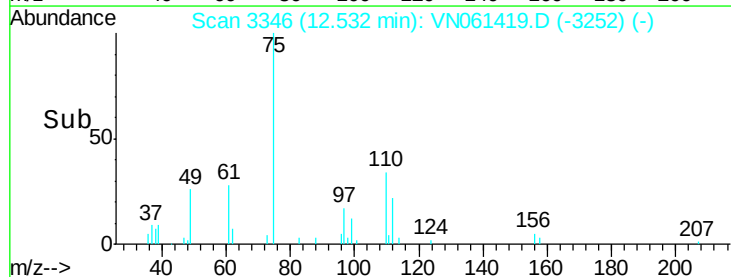
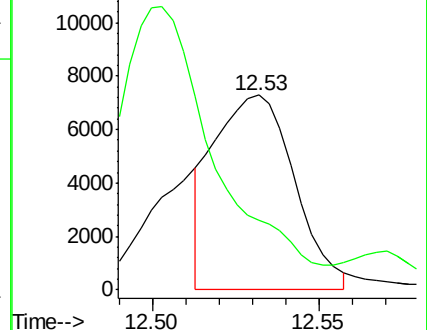
75 100

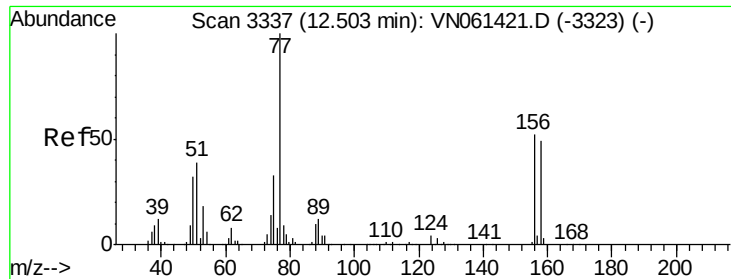
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

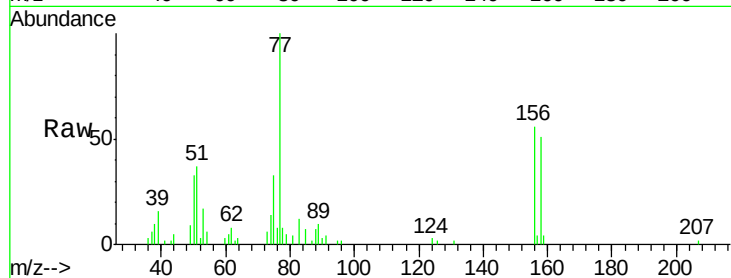




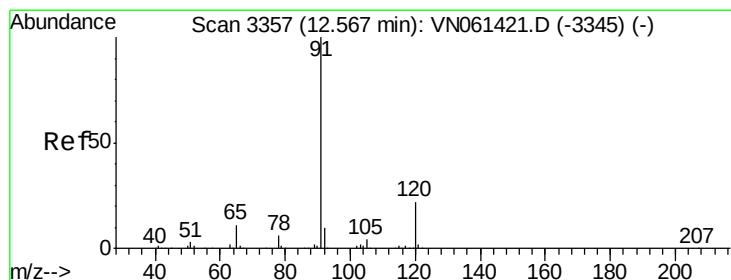
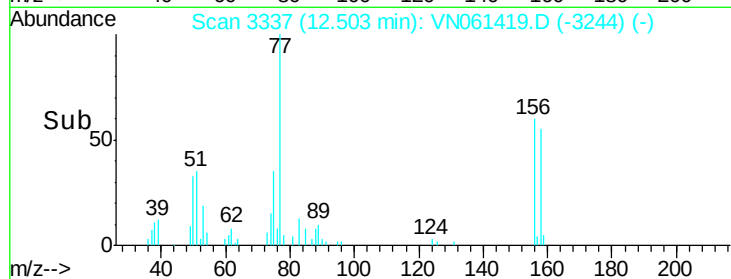
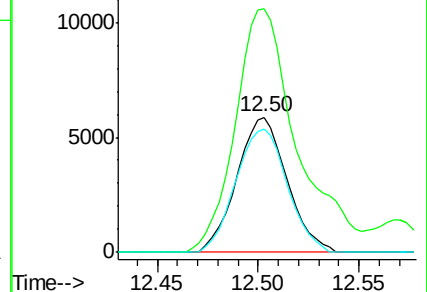
#77
Bromobenzene
Concen: 5.820 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:156 Resp: 10224
Ion Ratio Lower Upper
156 100
77 221.6 115.8 347.3
158 93.8 47.4 142.3

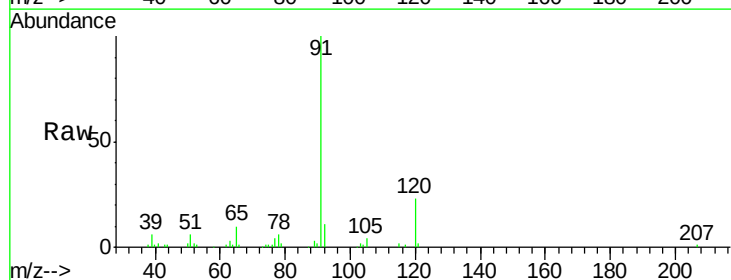


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

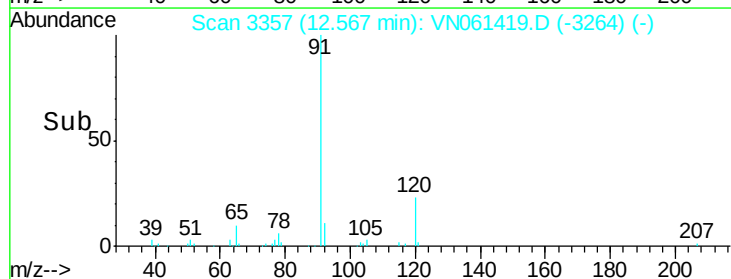
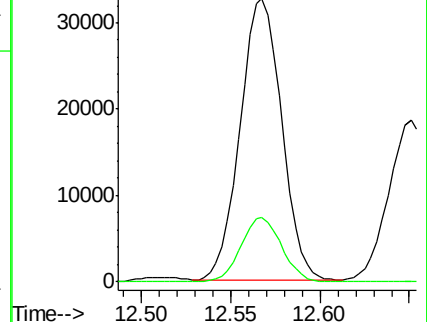


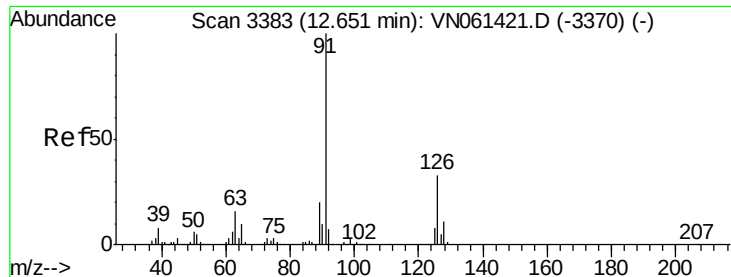
#78
n-propylbenzene
Concen: 5.807 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN061419.D
Acq: 15 May 2020 20:59

Tgt Ion: 91 Resp: 52809
Ion Ratio Lower Upper
91 100
120 22.1 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.749 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

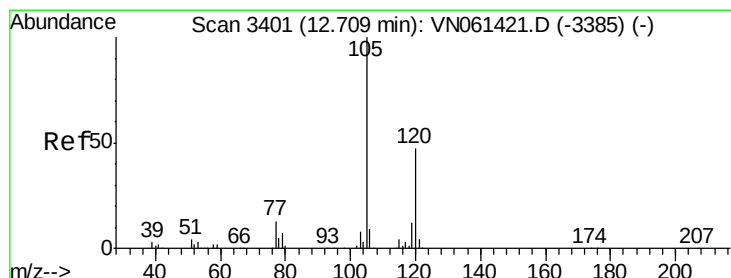
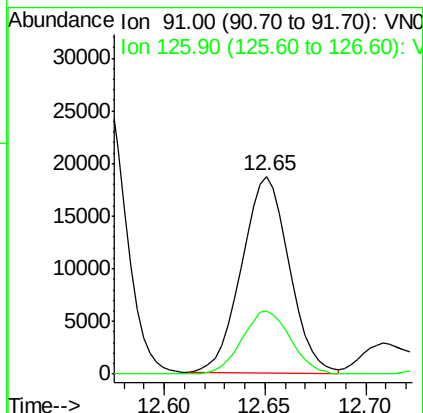
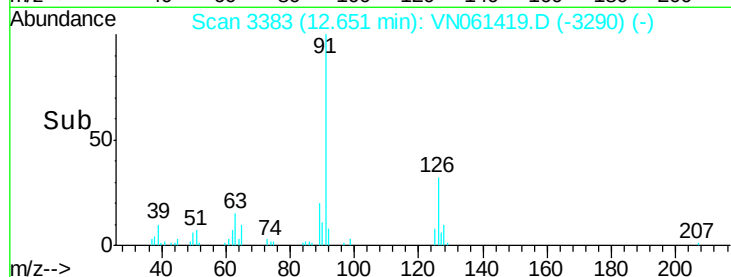
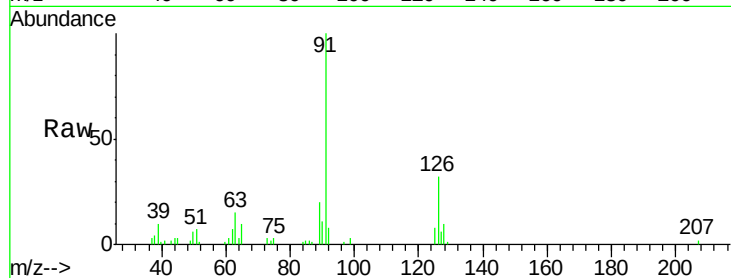
VSTDIC005

Tot Ion: 91 Resp: 30753

Ion Ratio Lower Upper

91 100

126 32.8 16.1 48.2



#80

1,3,5-Trimethylbenzene

Concen: 5.901 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN061419.D

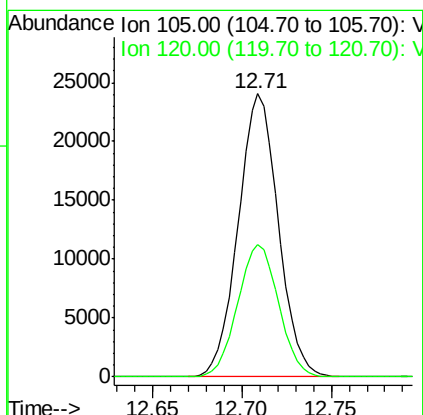
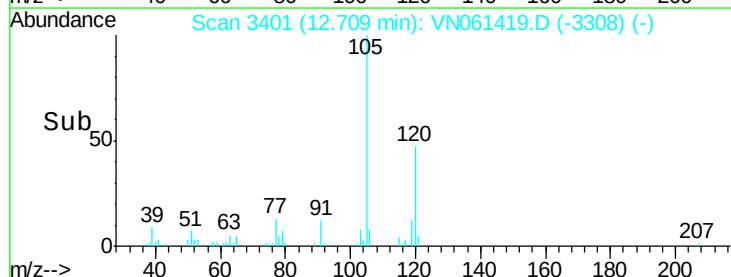
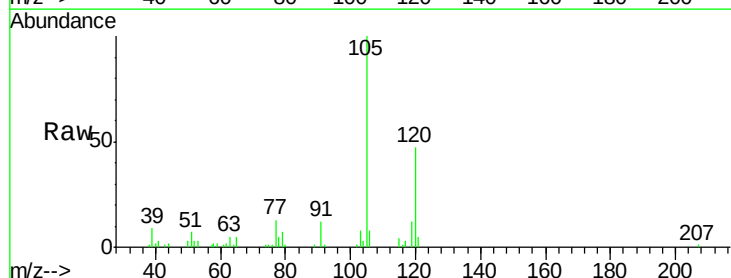
Acq: 15 May 2020 20:59

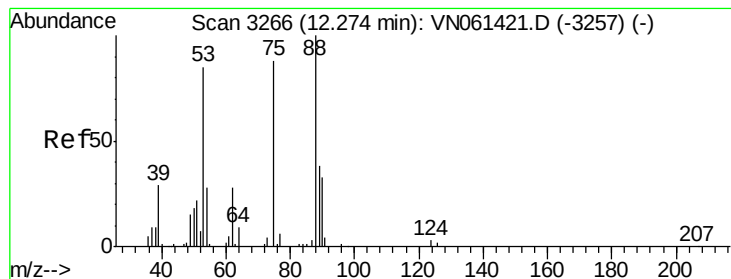
Tgt Ion:105 Resp: 37676

Ion Ratio Lower Upper

105 100

120 47.5 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 5.050 ug/l

RT: 12.28 min Scan# 3268

Delta R.T. 0.01 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

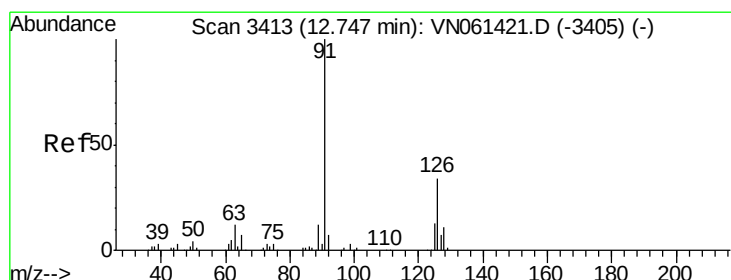
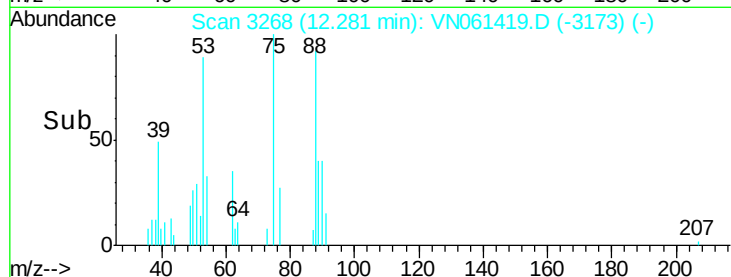
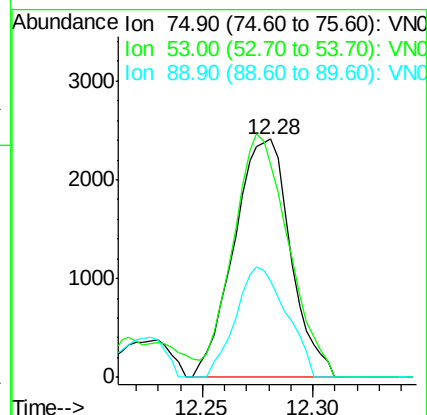
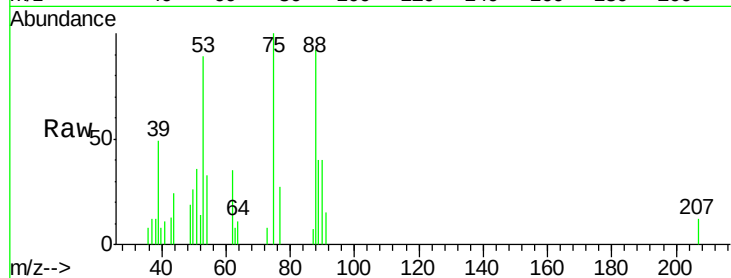
Tot Ion: 75 Resp: 4285

Ion Ratio Lower Upper

75 100

53 99.5 78.1 117.1

89 41.3 36.3 54.5



#82

4-Chlorotoluene

Concen: 5.703 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061419.D

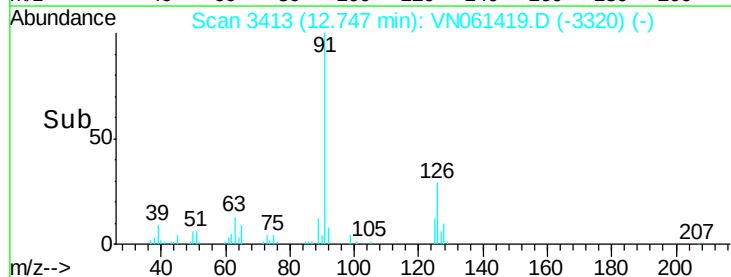
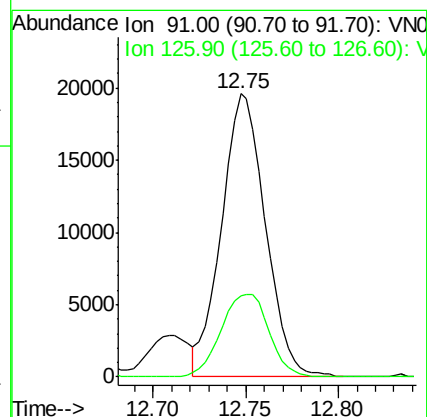
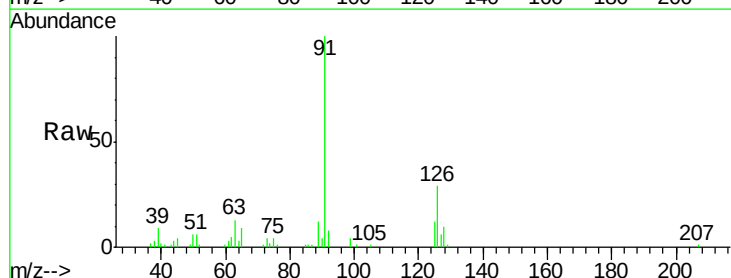
Acq: 15 May 2020 20:59

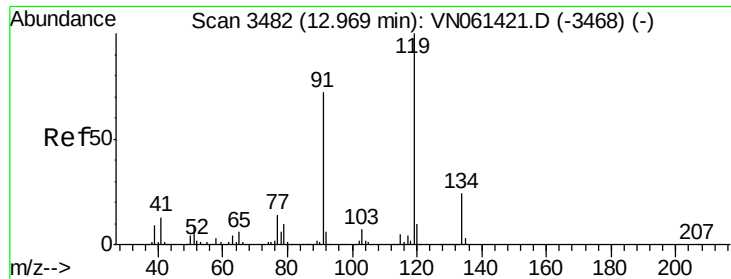
Tgt Ion: 91 Resp: 32139

Ion Ratio Lower Upper

91 100

126 32.1 15.8 47.3

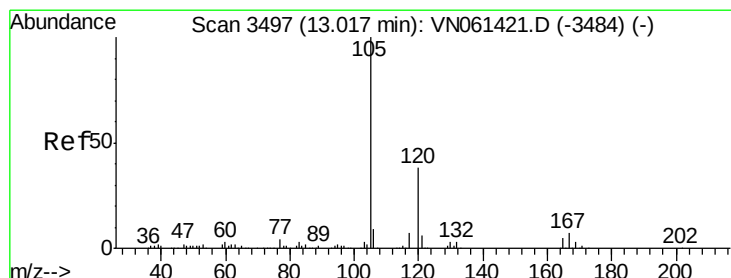
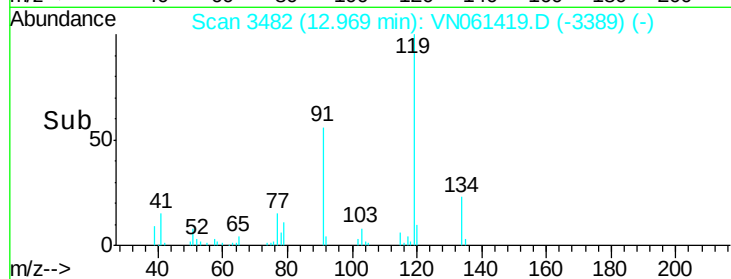
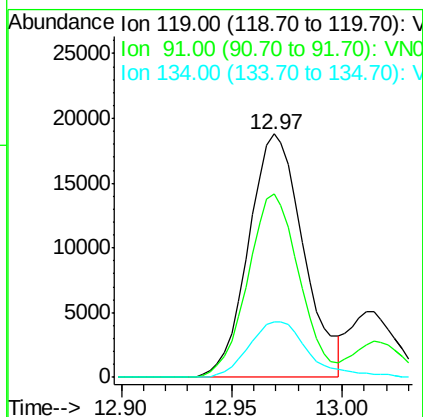
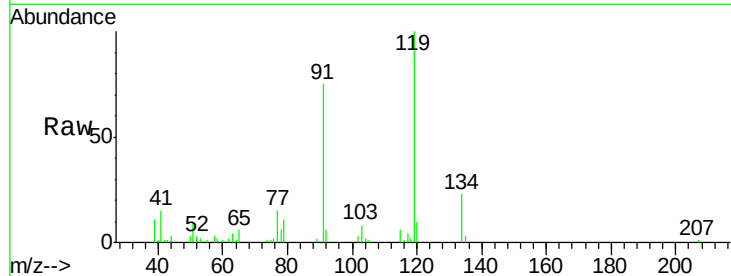




#83
 tert-Butylbenzene
 Concen: 6.074 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

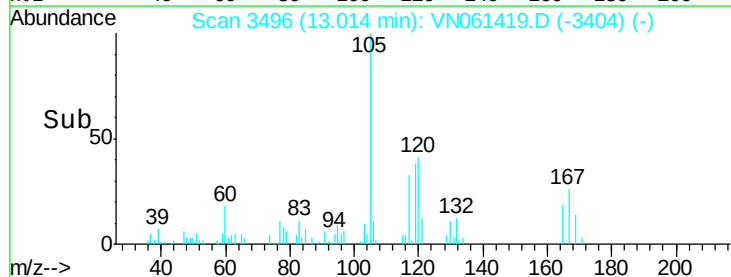
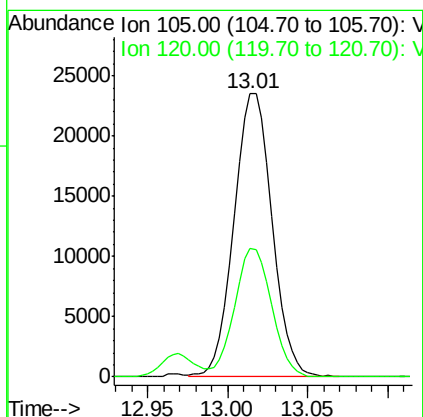
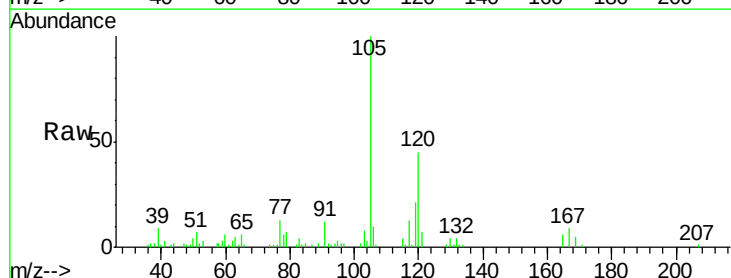
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

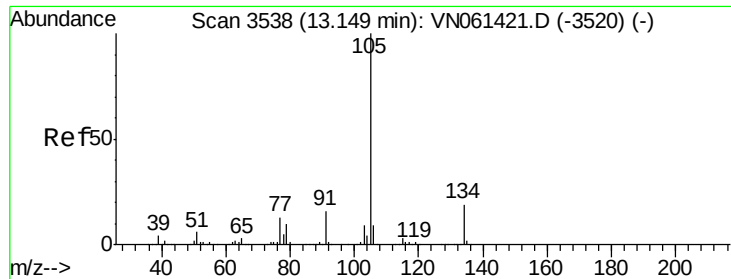
Tot Ion:119 Resp: 32513
 Ion Ratio Lower Upper
 119 100
 91 71.1 35.6 106.9
 134 24.9 12.9 38.7



#84
 1,2,4-Trimethylbenzene
 Concen: 5.800 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Tgt Ion:105 Resp: 38035
 Ion Ratio Lower Upper
 105 100
 120 43.9 22.4 67.2





#85

sec-Butylbenzene

Concen: 5.878 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

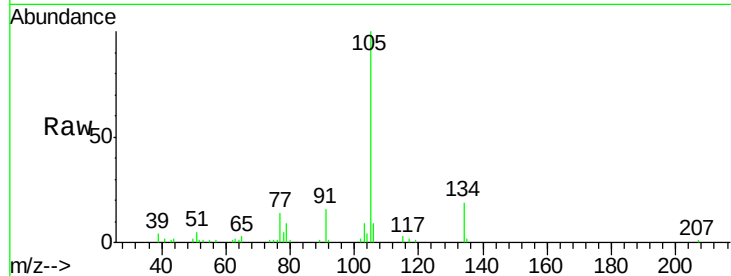
VSTDIC005

Tot Ion:105 Resp: 43006

Ion Ratio Lower Upper

105 100

134 19.4 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

25000

20000

15000

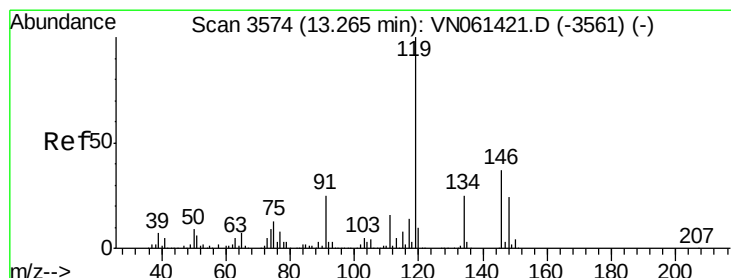
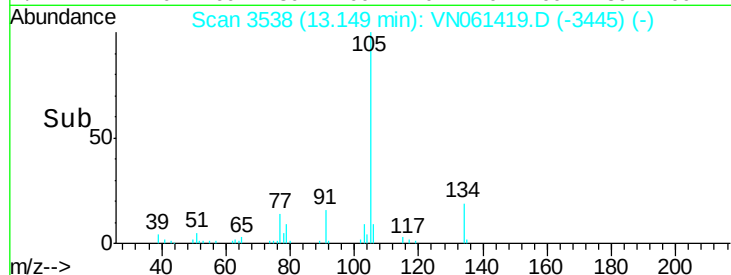
10000

5000

0

Time-->

13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 5.674 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

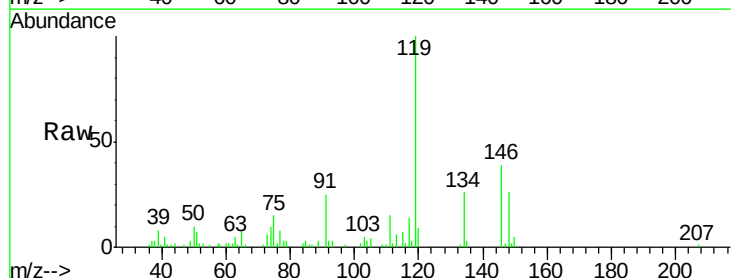
Tgt Ion:119 Resp: 37392

Ion Ratio Lower Upper

119 100

134 26.0 12.8 38.4

91 25.4 13.0 38.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

30000

25000

20000

15000

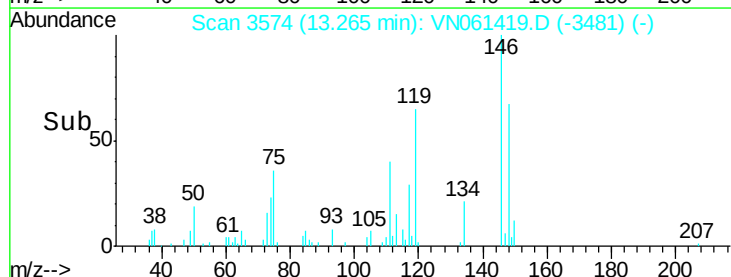
10000

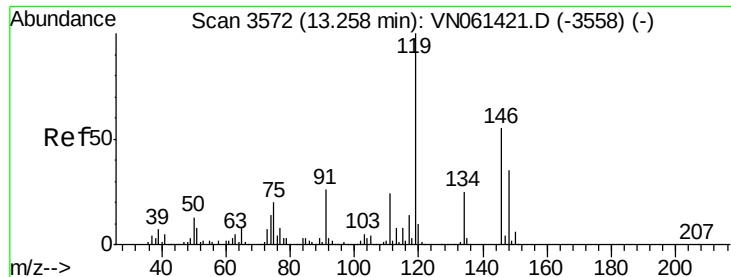
5000

0

Time-->

13.20 13.25 13.30

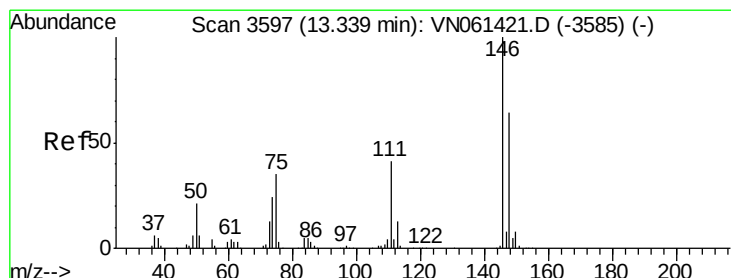
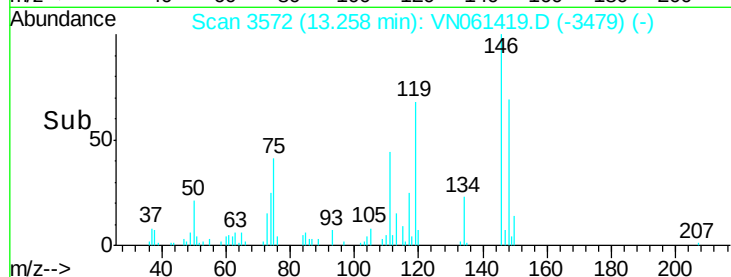
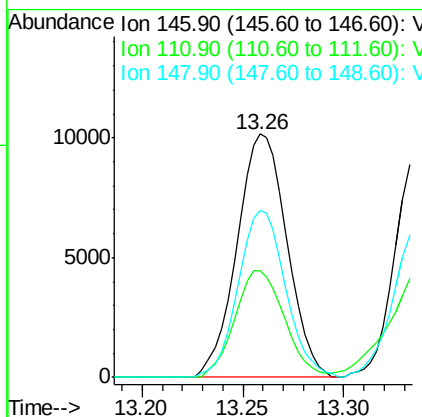
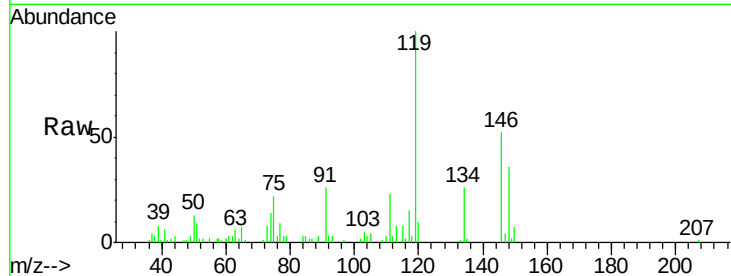




#87
 1,3-Dichlorobenzene
 Concen: 5.425 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

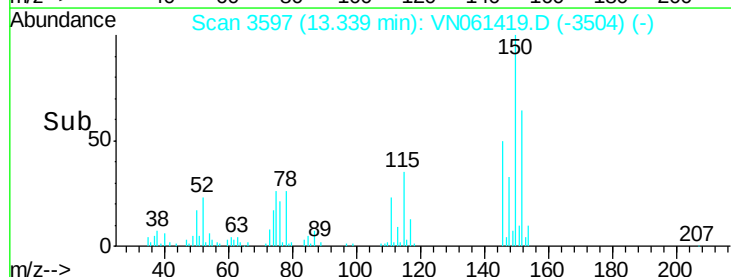
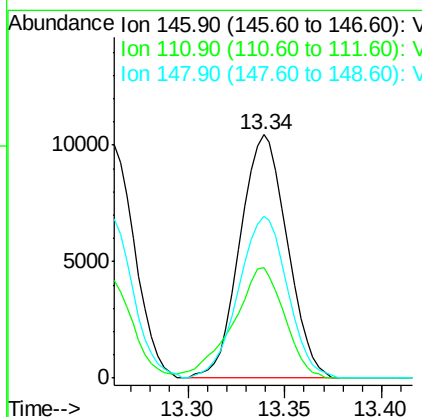
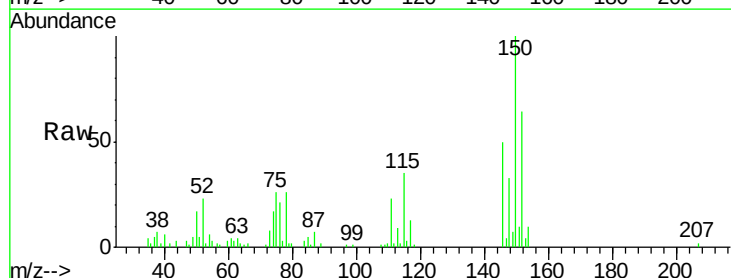
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

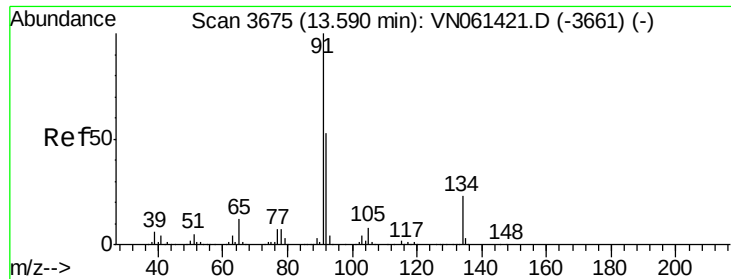
Tot Ion:146 Resp: 17583
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.5 64.5
 148 65.2 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 5.352 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Tgt Ion:146 Resp: 17758
 Ion Ratio Lower Upper
 146 100
 111 49.4 20.9 62.7
 148 68.7 32.3 96.8





#89

n-Butylbenzene

Concen: 5.457 ug/l

RT: 13.59 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

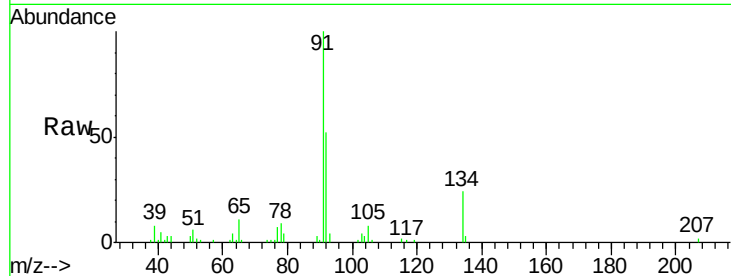
Tot Ion: 91 Resp: 32919

Ion Ratio Lower Upper

91 100

92 53.1 26.8 80.3

134 24.5 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN061421.D (-3661) (-)

Ion 92.00 (91.70 to 92.70): VN061421.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN061421.D (-3661) (-)

Time-->

13.59

25000

20000

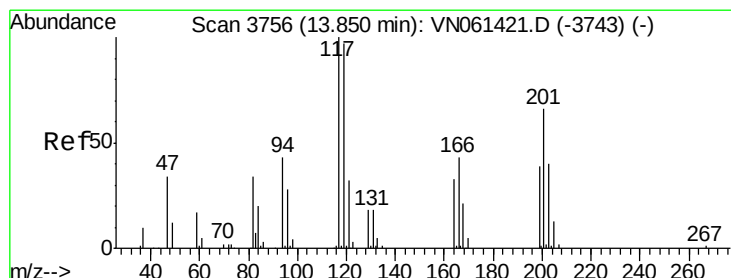
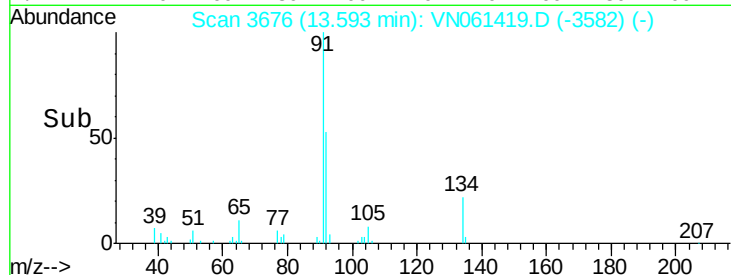
15000

10000

5000

0

13.55 13.60 13.65



#90

Hexachloroethane

Concen: 7.574 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. 0.00 min

Lab File: VN061419.D

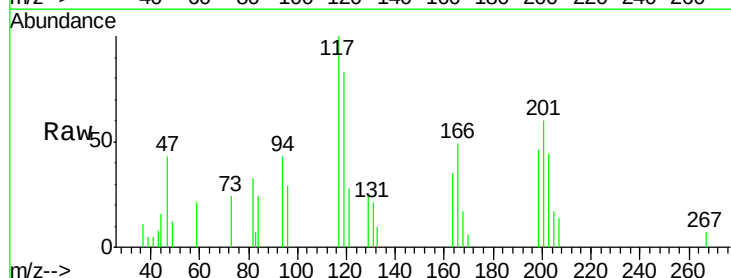
Acq: 15 May 2020 20:59

Tgt Ion: 117 Resp: 4914

Ion Ratio Lower Upper

117 100

201 64.0 32.2 96.6



Abundance Ion 116.80 (116.50 to 117.50): VN061421.D (-3743) (-)

Ion 200.70 (200.40 to 201.40): VN061421.D (-3743) (-)

Time-->

13.85

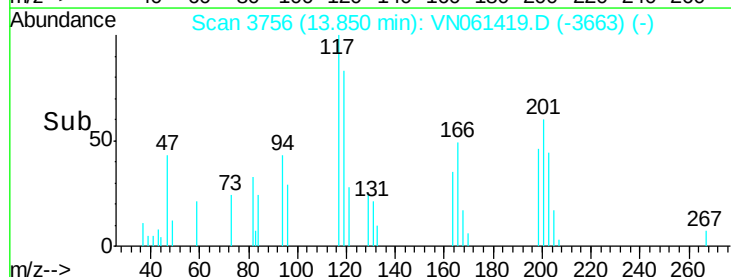
3000

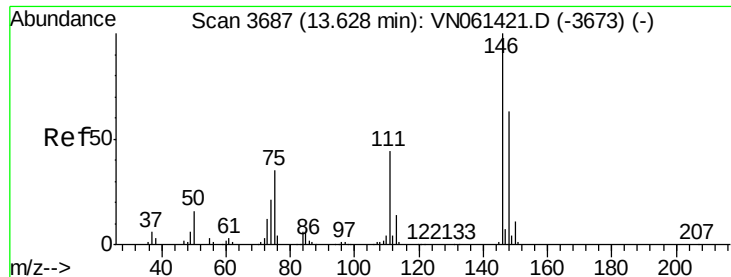
2000

1000

0

13.80 13.85 13.90

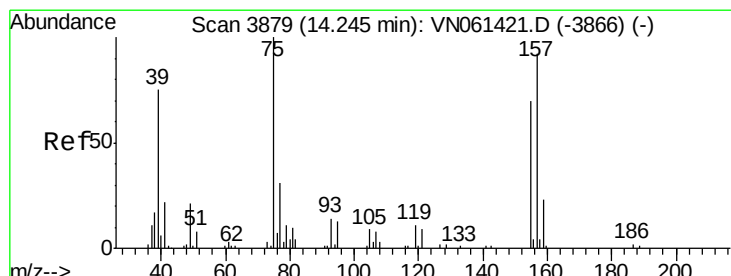
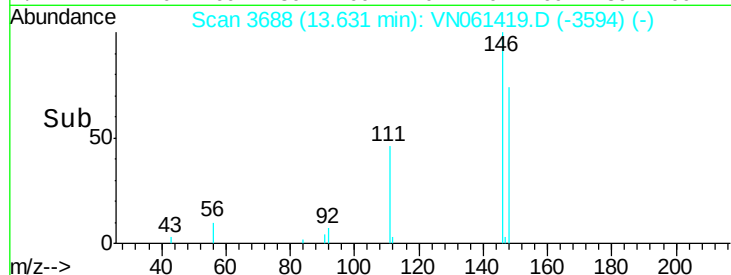
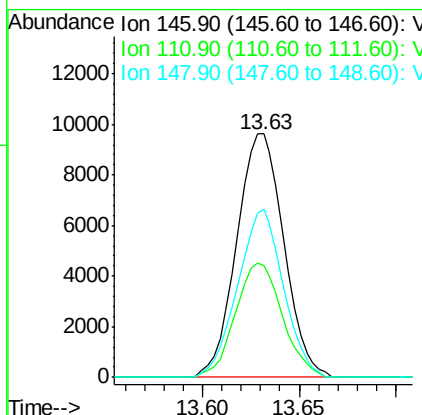
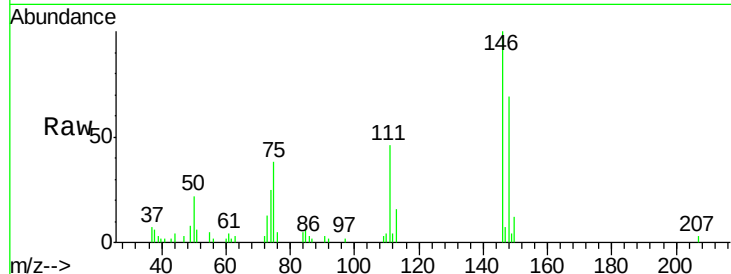




#91
 1,2-Dichlorobenzene
 Concen: 5.240 ug/l
 RT: 13.63 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

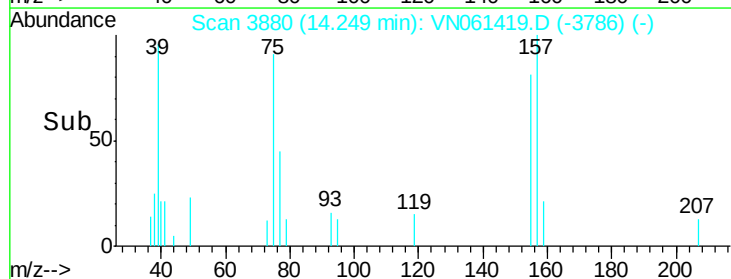
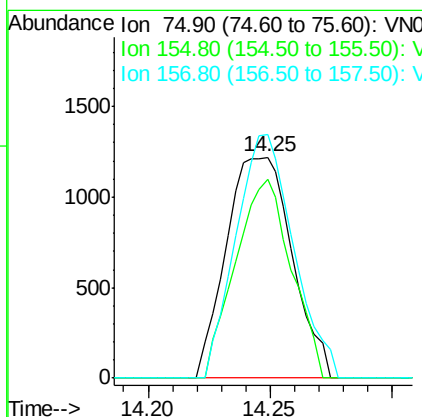
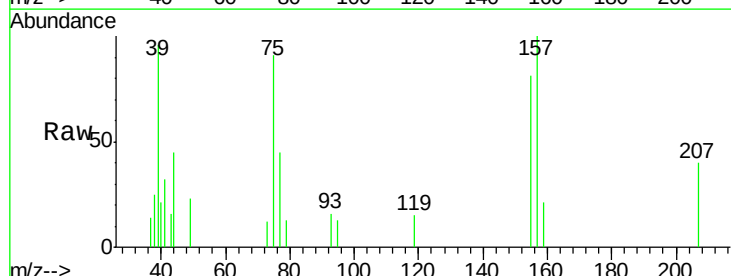
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

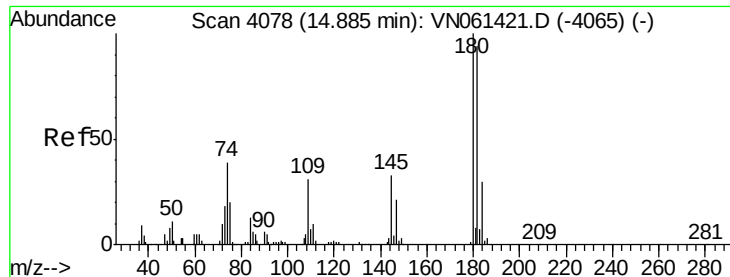
Tot Ion:146 Resp: 16298
 Ion Ratio Lower Upper
 146 100
 111 46.7 22.3 66.8
 148 67.0 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.658 ug/l
 RT: 14.25 min Scan# 3880
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Tgt Ion: 75 Resp: 2287
 Ion Ratio Lower Upper
 75 100
 155 76.3 35.2 105.6
 157 96.4 45.8 137.3

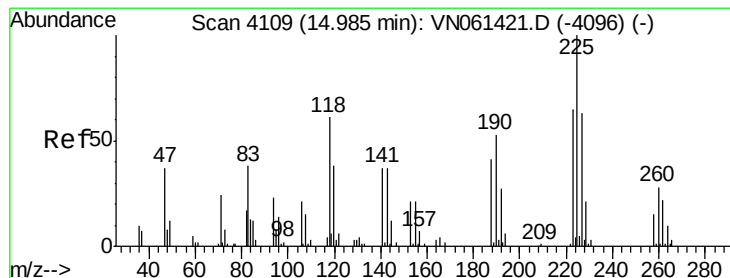
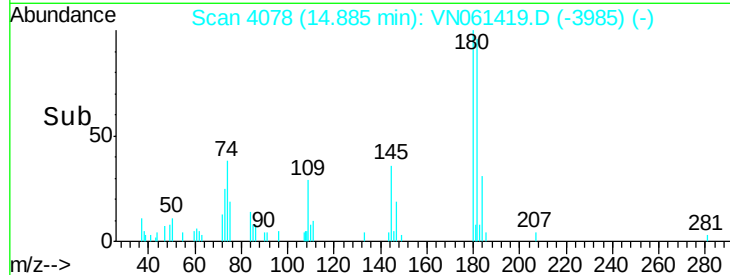
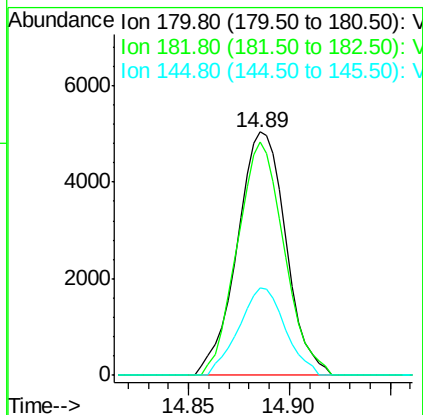
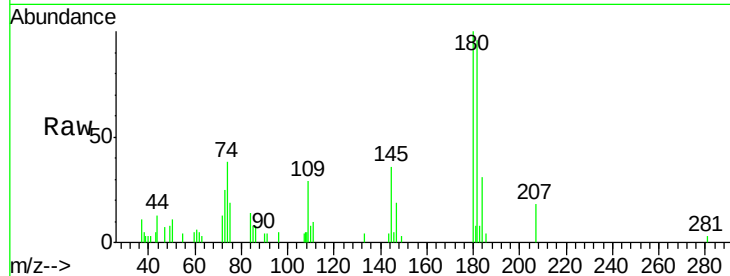




#93
 1,2,4-Trichlorobenzene
 Concen: 4.564 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

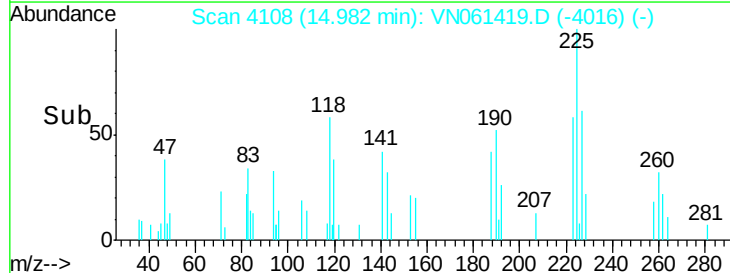
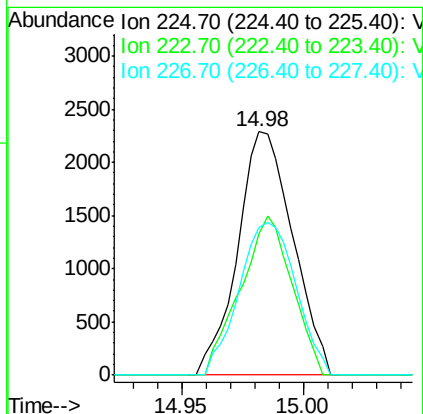
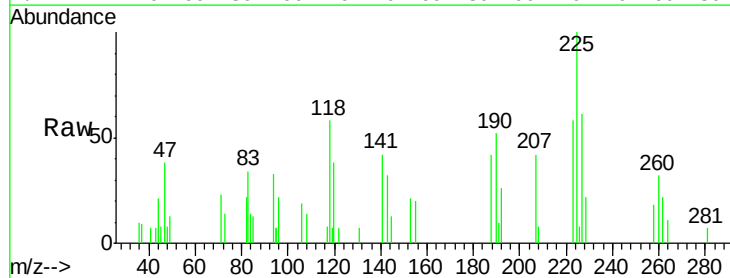
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

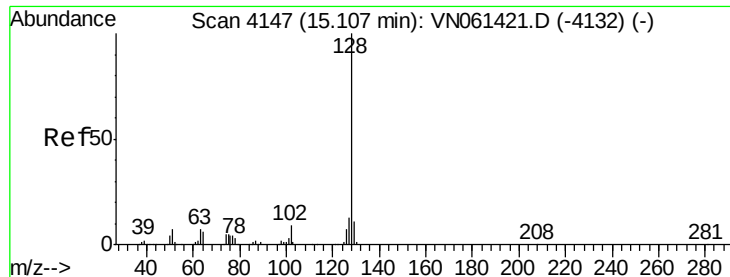
Tot Ion:180 Resp: 8503
 Ion Ratio Lower Upper
 180 100
 182 92.3 47.3 142.0
 145 34.5 16.3 48.9



#94
 Hexachlorobutadiene
 Concen: 4.660 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061419.D
 Acq: 15 May 2020 20:59

Tgt Ion:225 Resp: 3592
 Ion Ratio Lower Upper
 225 100
 223 61.1 32.1 96.3
 227 64.6 31.4 94.2





#95

Naphthalene

Concen: 4.517 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

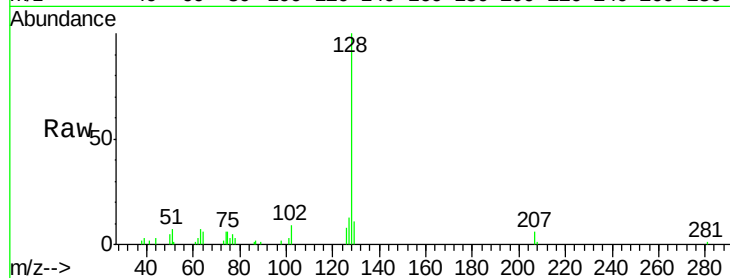
Tot Ion:128 Resp: 27351

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

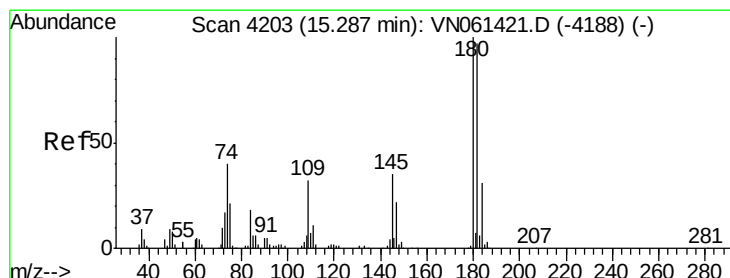
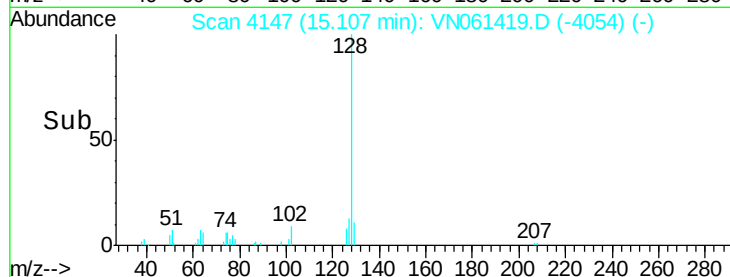
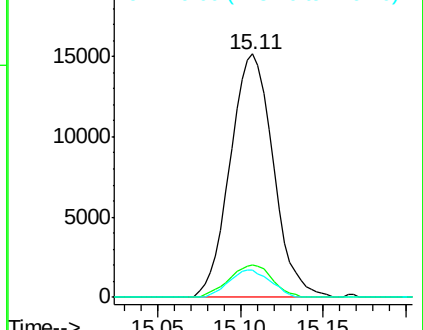
129 10.9 8.6 13.0



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: 4.776 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061419.D

Acq: 15 May 2020 20:59

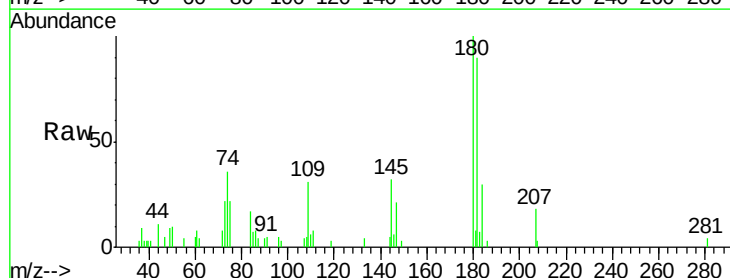
Tgt Ion:180 Resp: 8776

Ion Ratio Lower Upper

180 100

182 98.0 48.0 144.2

145 32.9 17.6 52.9



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

