

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031620\
 Data File : VN060541.D
 Acq On : 16 Mar 2020 22:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 17 08:49:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	336003	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	313817	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150952	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	132317	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	
35) Dibromofluoromethane	7.56	113	100970	64.74	ug/l	0.00
Spiked Amount			Recovery	=	129.48%	
50) Toluene-d8	10.08	98	390673	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.40	95	151230	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	68657	38.244	ug/l	99
3) Chloromethane	2.03	50	136062	43.532	ug/l	100
4) Vinyl Chloride	2.16	62	106528	39.741	ug/l	99
5) Bromomethane	2.54	94	46725	42.967	ug/l	99
6) Chloroethane	2.68	64	67107	46.206	ug/l	98
7) Trichlorofluoromethane	3.00	101	151830	44.333	ug/l	99
8) Diethyl Ether	3.38	74	64034	49.520	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	89783	46.322	ug/l	99
10) Methyl Iodide	3.93	142	64534	36.482	ug/l	99
11) Tert butyl alcohol	4.72	59	97891	262.418	ug/l	100
12) 1,1-Dichloroethene	3.71	96	88470	47.025	ug/l	97
13) Acrolein	3.58	56	92090	264.621	ug/l	99
14) Allyl chloride	4.29	41	159528	45.994	ug/l	96
15) Acrylonitrile	4.94	53	285463	290.327	ug/l	99
16) Acetone	3.78	43	230747	284.425	ug/l	100
17) Carbon Disulfide	4.03	76	208625	41.674	ug/l	99
18) Methyl Acetate	4.28	43	151832	56.081	ug/l	97
19) Methyl tert-butyl Ether	5.00	73	351077	51.402	ug/l	98
20) Methylene Chloride	4.52	84	107530	48.263	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	95654	47.304	ug/l	95
22) Diisopropyl ether	5.91	45	385808	54.914	ug/l	99
23) Vinyl Acetate	5.86	43	1521097	272.459	ug/l	98
24) 1,1-Dichloroethane	5.81	63	205887	51.769	ug/l	100
25) 2-Butanone	6.80	43	375479	286.537	ug/l	98
26) 2,2-Dichloropropane	6.80	77	151470	41.836	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	118232	45.764	ug/l	98
28) Bromochloromethane	7.17	49	87051	53.312	ug/l	94
29) Tetrahydrofuran	7.18	42	254891	279.723	ug/l	97
30) Chloroform	7.35	83	199106	50.292	ug/l	97
31) Cyclohexane	7.63	56	164573	48.451	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	170942	48.733	ug/l	100
36) 1,1-Dichloropropene	7.77	75	140786	43.964	ug/l	99
37) Ethyl Acetate	6.89	43	159894	52.733	ug/l	98
38) Carbon Tetrachloride	7.75	117	132774	42.586	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	150492	39.859	ug/l	98
40) Benzene	8.02	78	437808	46.973	ug/l	100
41) Methacrylonitrile	7.17	41	231397	165.277	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	157373	46.791	ug/l	100
43) Isopropyl Acetate	8.14	43	277313	52.241	ug/l	99
44) Trichloroethene	8.82	130	111497	42.953	ug/l	99
45) 1,2-Dichloropropane	9.10	63	123918	50.852	ug/l	99
46) Dibromomethane	9.19	93	74297	46.988	ug/l	99
47) Bromodichloromethane	9.39	83	159564	49.617	ug/l	100
48) Methyl methacrylate	9.18	41	122865	50.757	ug/l	97
49) 1,4-Dioxane	9.18	88	32750	962.076	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	823116	273.487	ug/l	100
52) Toluene	10.14	92	266004	45.434	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	180251	45.743	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	192762	47.209	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	111358	47.297	ug/l	98
56) Ethyl methacrylate	10.42	69	177240	52.399	ug/l	97
57) 1,3-Dichloropropane	10.70	76	191243	49.807	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	445721	251.951	ug/l	98
59) 2-Hexanone	10.74	43	589773	266.889	ug/l	99
60) Dibromochloromethane	10.89	129	117973	49.271	ug/l	99
61) 1,2-Dibromoethane	10.99	107	110661	48.215	ug/l	98
64) Tetrachloroethene	10.62	164	102156	41.093	ug/l	99
65) Chlorobenzene	11.43	112	284424	44.885	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	110382	47.112	ug/l	99
67) Ethyl Benzene	11.50	91	525194	45.512	ug/l	100
68) m/p-Xylenes	11.61	106	381869	87.708	ug/l	98
69) o-Xylene	11.94	106	187469	45.154	ug/l	99
70) Styrene	11.96	104	314876	46.128	ug/l	100
71) Bromoform	12.12	173	86367	51.147	ug/l #	100
73) Isopropylbenzene	12.24	105	505804	45.208	ug/l	100
74) N-amyl acetate	12.06	43	242438	49.588	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	165213	54.323	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	217636	65.713	ug/l #	100
77) Bromobenzene	12.52	156	123919	45.184	ug/l	96
78) n-propylbenzene	12.59	91	592826	45.203	ug/l	99
79) 2-Chlorotoluene	12.67	91	352232	45.690	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	425097	45.127	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	58671	48.902	ug/l #	84
82) 4-Chlorotoluene	12.77	91	364753	44.908	ug/l	98
83) tert-Butylbenzene	12.99	119	367684	45.082	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	424960	44.694	ug/l	100
85) sec-Butylbenzene	13.17	105	486961	44.587	ug/l	99
86) p-Isopropyltoluene	13.28	119	428996	42.438	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	217136	46.061	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	216513	46.179	ug/l	99
89) n-Butylbenzene	13.61	91	384768	41.464	ug/l	99
90) Hexachloroethane	13.87	117	67296	45.992	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	212801	44.281	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32954	47.849	ug/l	95

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
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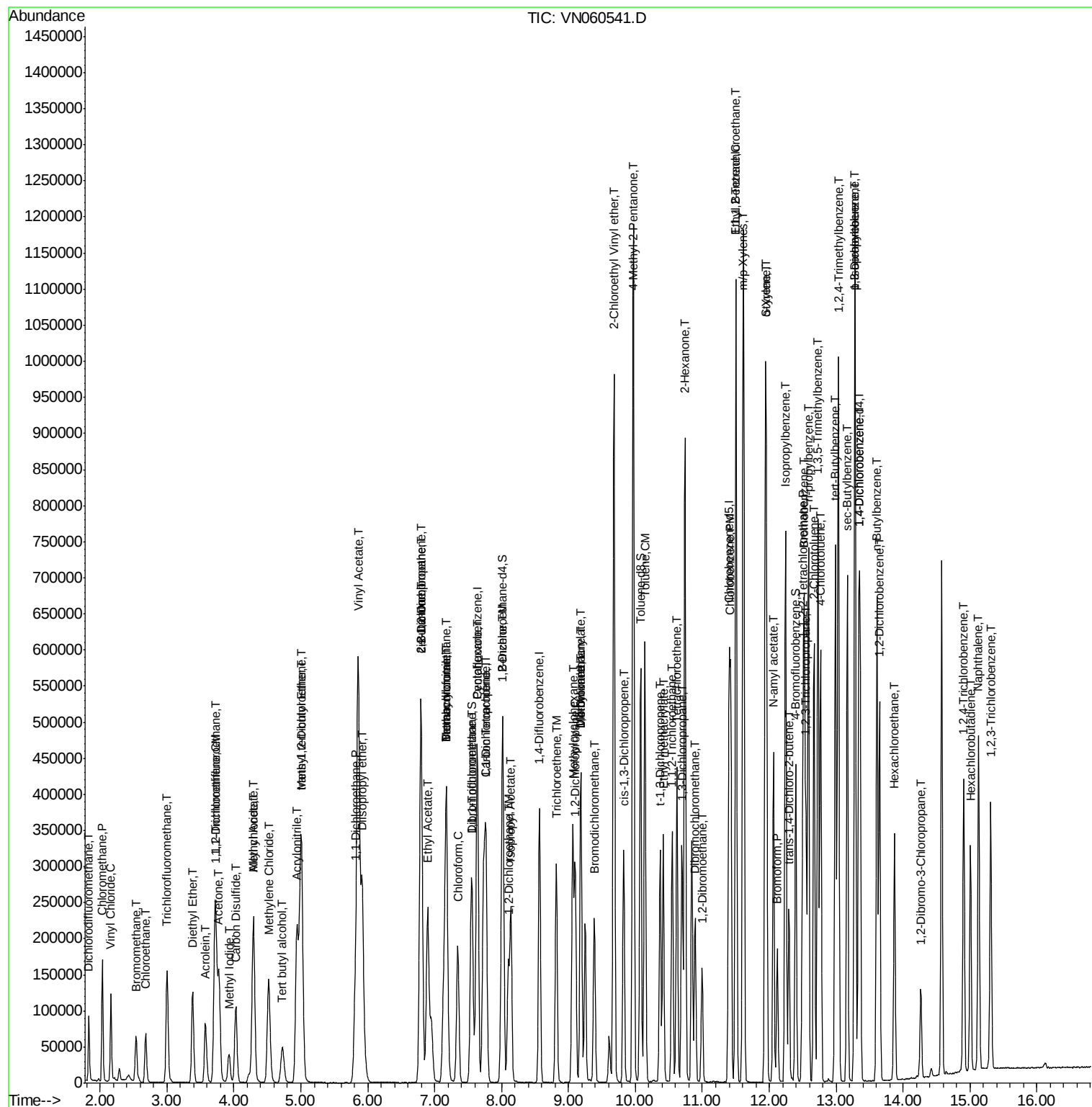
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	129674	42.479	ug/l	100
94) Hexachlorobutadiene	15.01	225	61834	43.982	ug/l	99
95) Naphthalene	15.13	128	393652	43.733	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125068	43.466	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

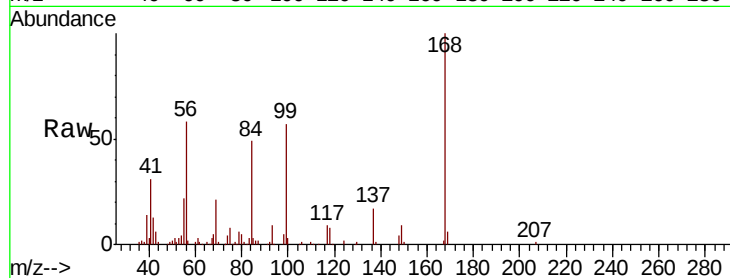
VSTDCCC050EC

Tot Ion:168 Resp: 195807

Ion Ratio Lower Upper

168 100

99 56.8 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

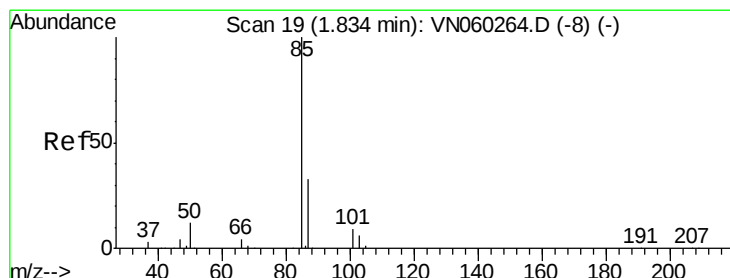
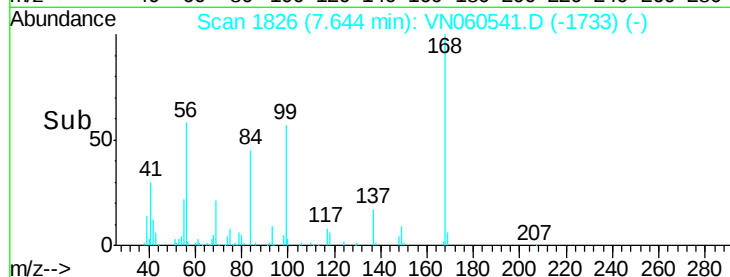
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 38.244 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060541.D

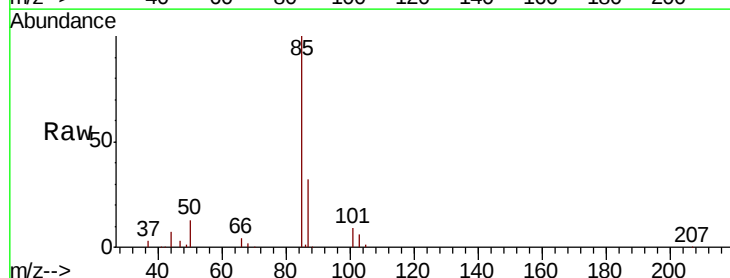
Acq: 16 Mar 2020 22:01

Tgt Ion: 85 Resp: 68657

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

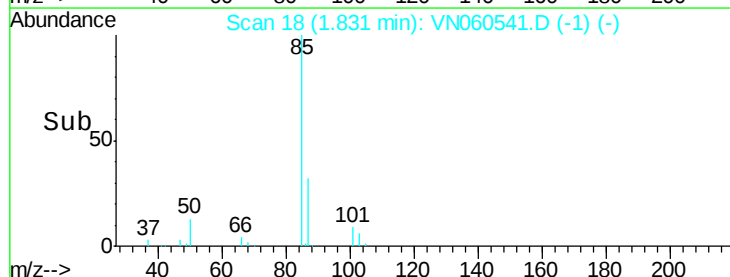
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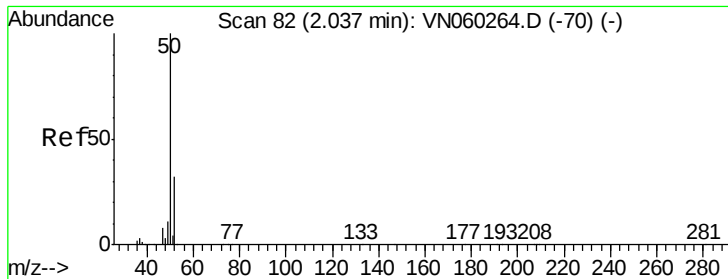
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 43.532 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

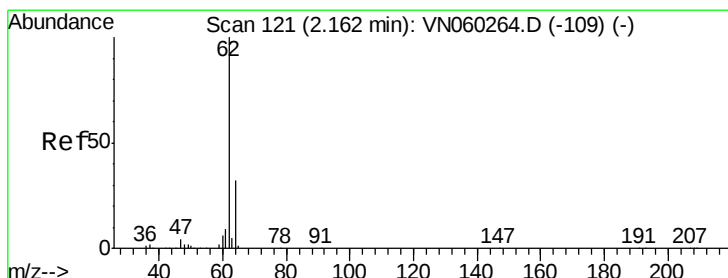
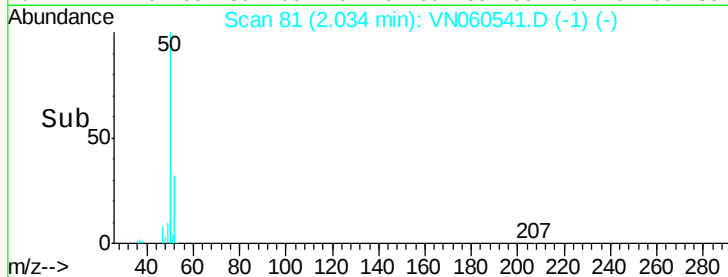
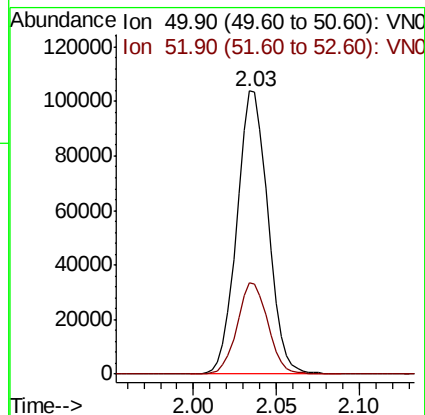
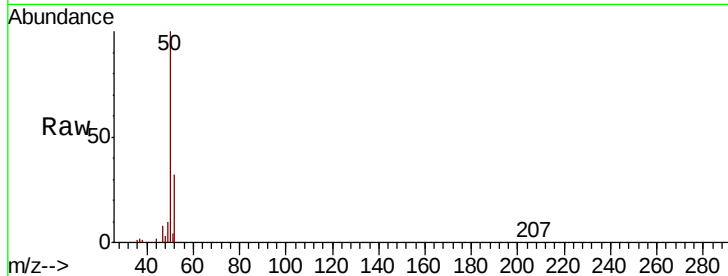
VSTDCCC050EC

Tot Ion: 50 Resp: 136062

Ion Ratio Lower Upper

50 100

52 32.1 25.6 38.4



#4

Vinyl Chloride

Concen: 39.741 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN060541.D

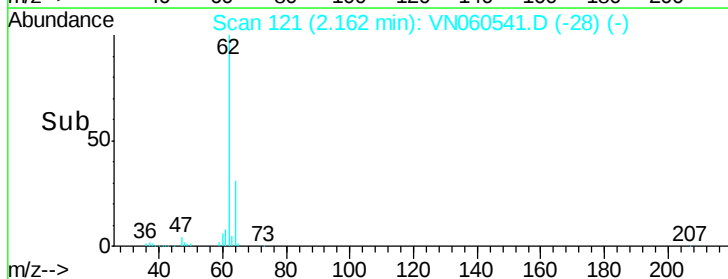
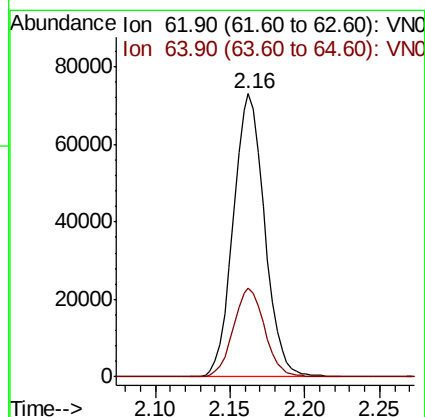
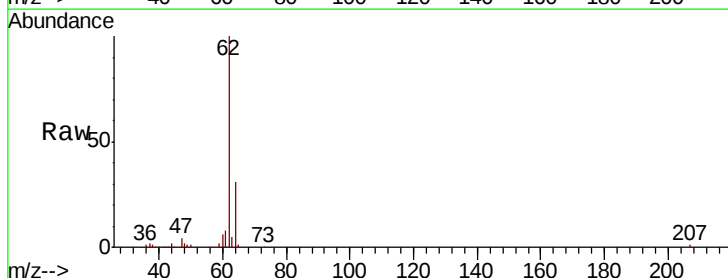
Acq: 16 Mar 2020 22:01

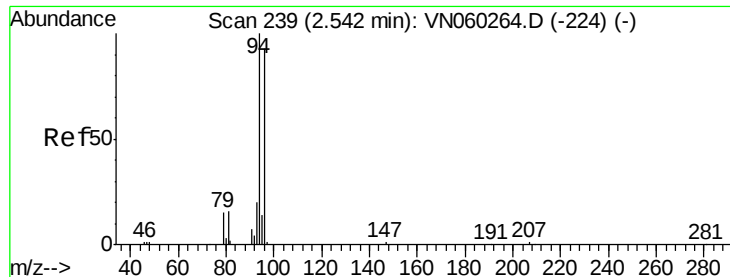
Tgt Ion: 62 Resp: 106528

Ion Ratio Lower Upper

62 100

64 31.3 25.5 38.3





#5

Bromomethane

Concen: 42.967 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

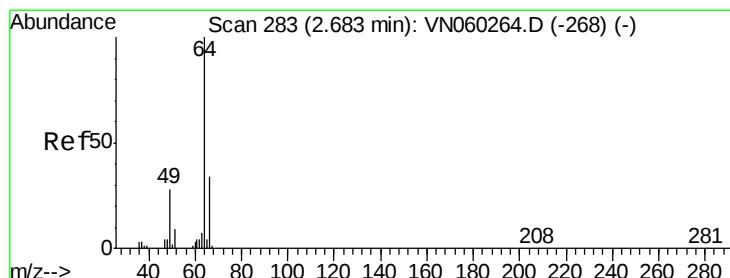
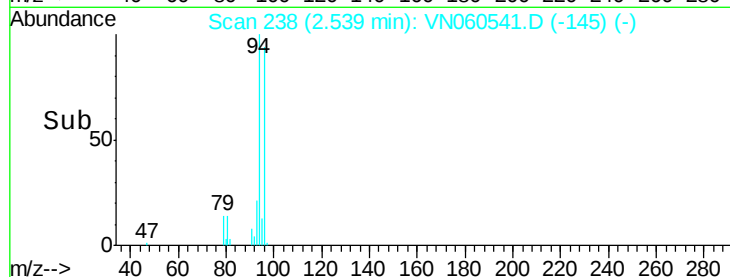
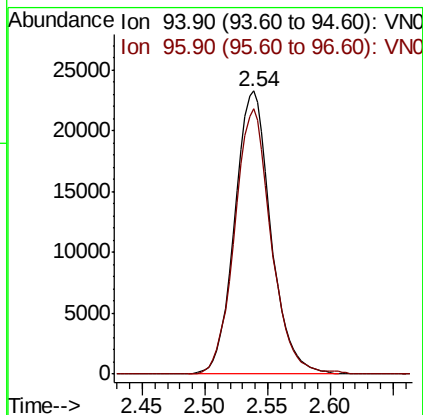
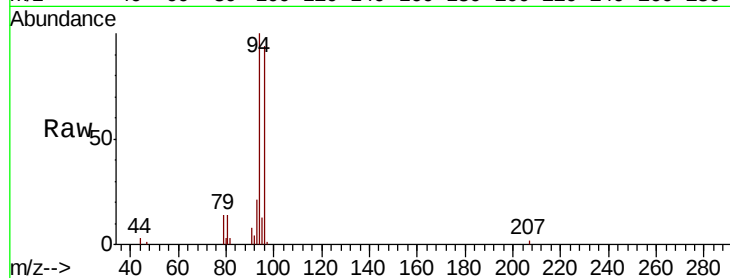
VSTDCCC050EC

Tot Ion: 94 Resp: 46725

Ion Ratio Lower Upper

94 100

96 93.6 74.3 111.5



#6

Chloroethane

Concen: 46.206 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060541.D

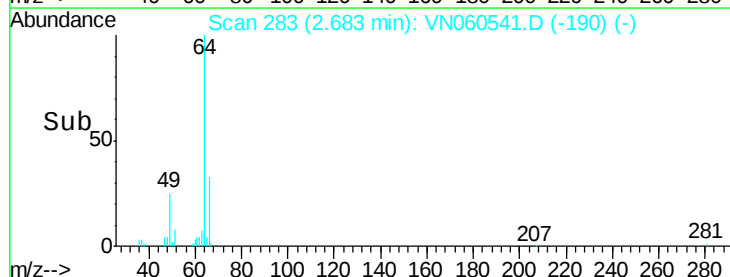
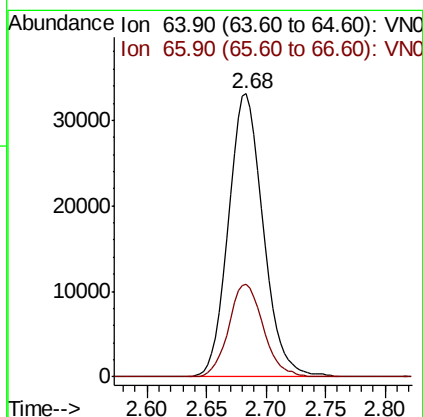
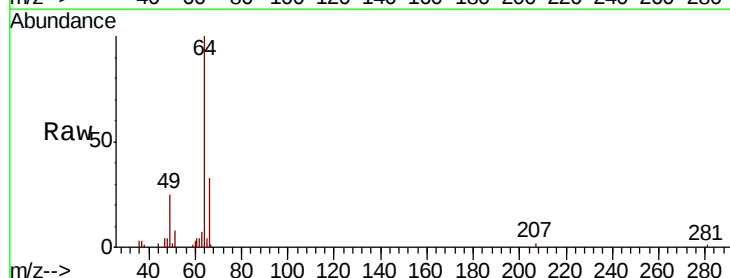
Acq: 16 Mar 2020 22:01

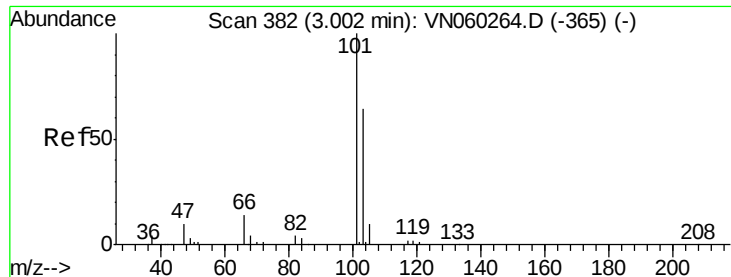
Tgt Ion: 64 Resp: 67107

Ion Ratio Lower Upper

64 100

66 32.9 27.4 41.2



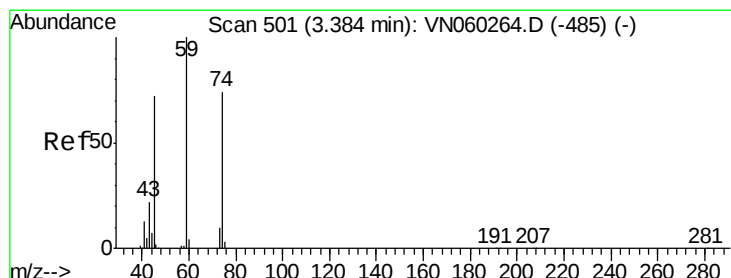
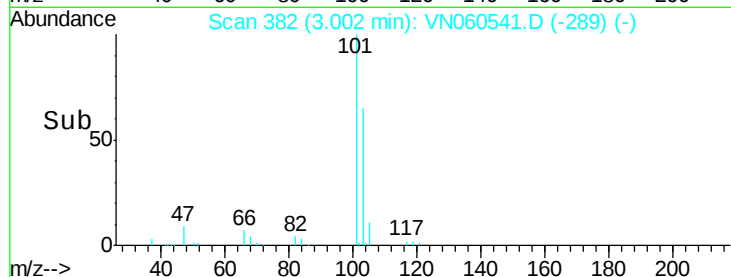
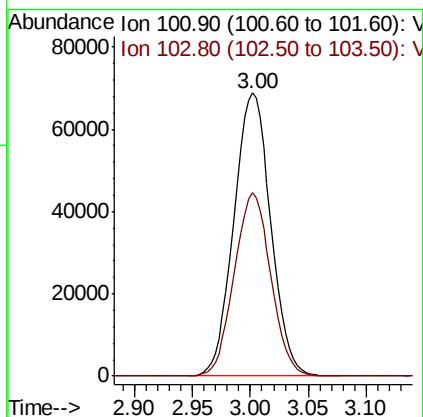
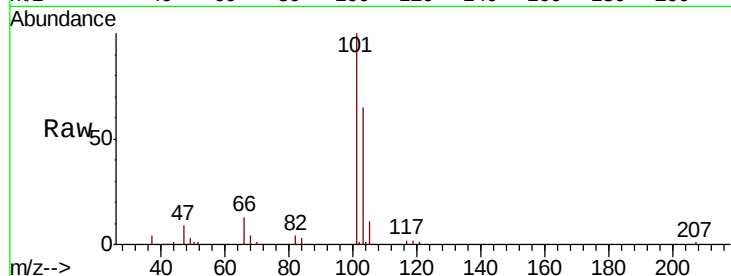


#7

Trichlorofluoromethane
 Concen: 44.333 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

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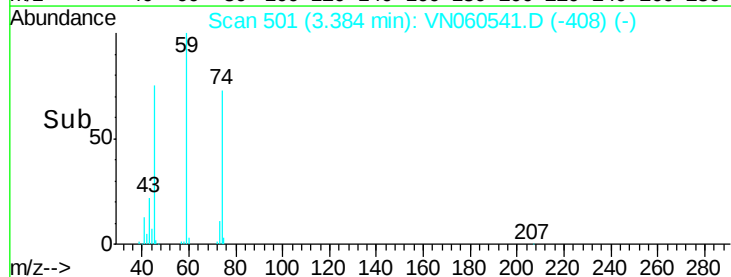
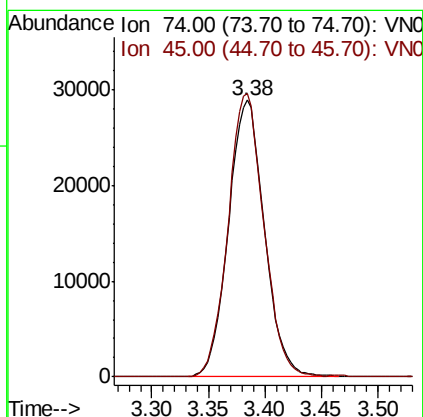
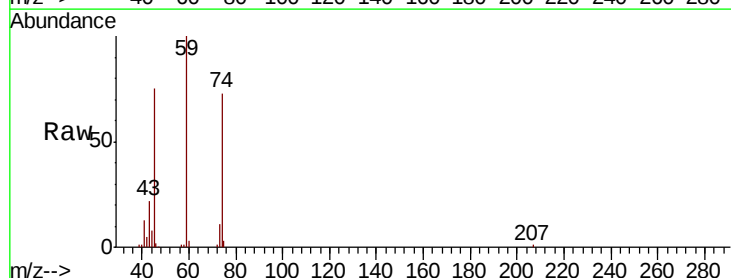
Tot Ion:101 Resp: 151830
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.3 76.9



#8

Diethyl Ether
 Concen: 49.520 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion: 74 Resp: 64034
 Ion Ratio Lower Upper
 74 100
 45 101.6 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.322 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

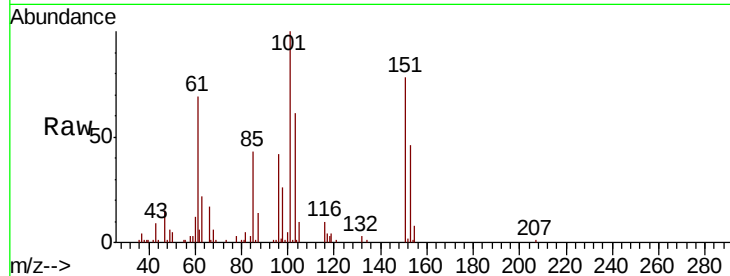
Tot Ion:101 Resp: 89783

Ion Ratio Lower Upper

101 100

85 43.5 35.4 53.2

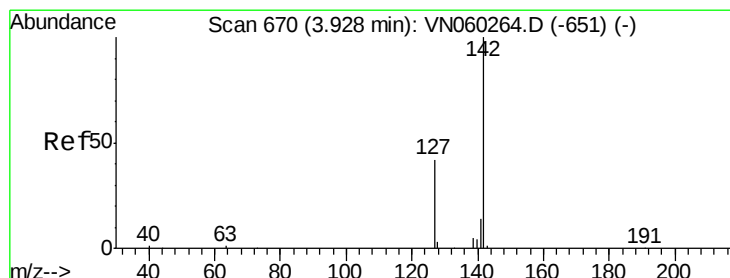
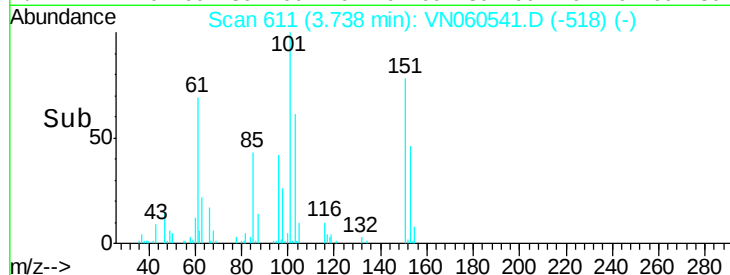
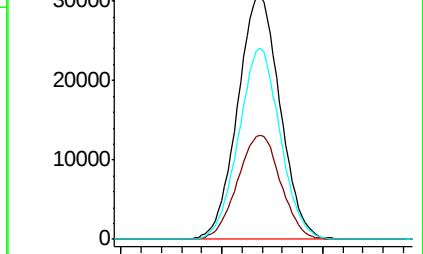
151 76.5 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 36.482 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

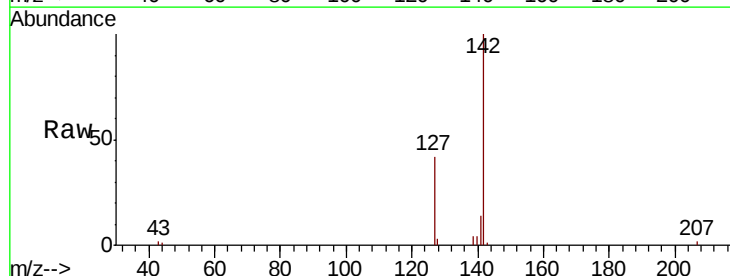
Tgt Ion:142 Resp: 64534

Ion Ratio Lower Upper

142 100

127 41.0 33.8 50.6

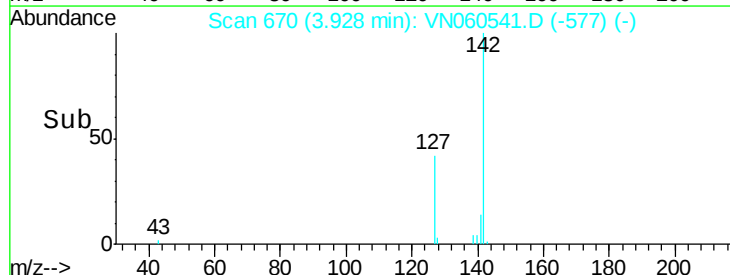
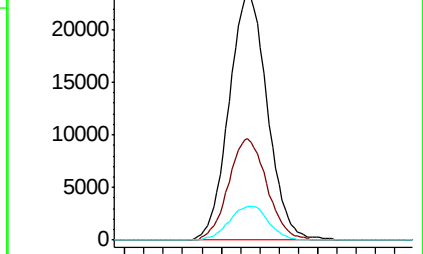
141 14.0 11.1 16.7



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



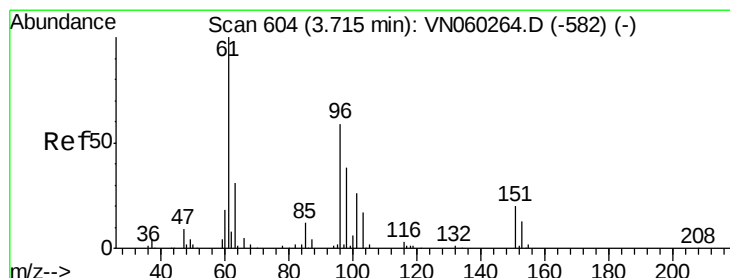
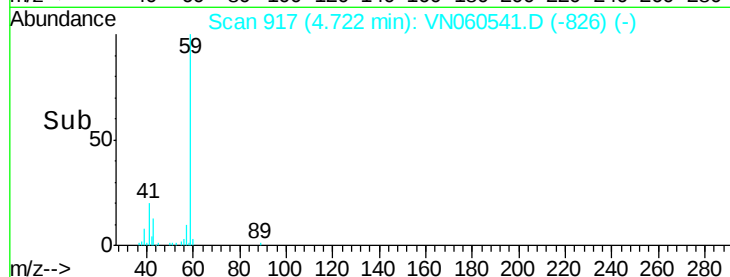
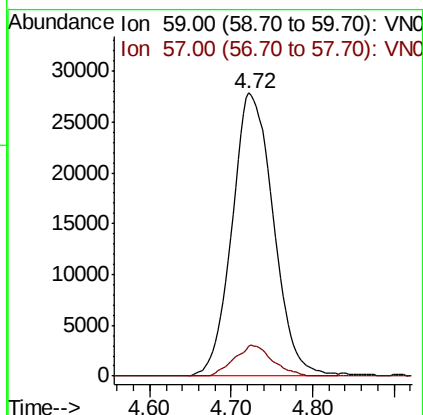
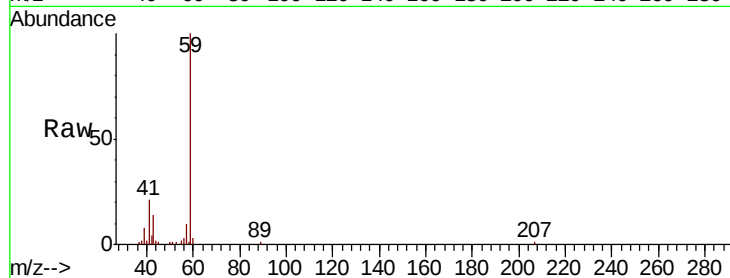


#11

Tert butyl alcohol
 Concen: 262.418 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

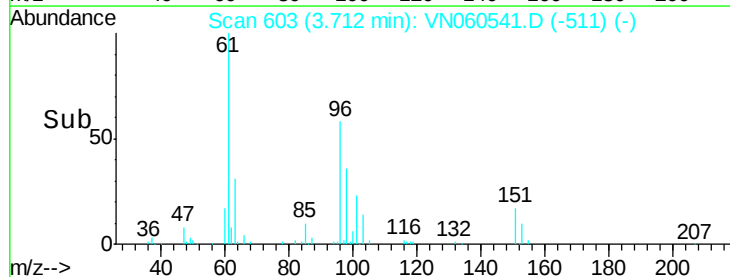
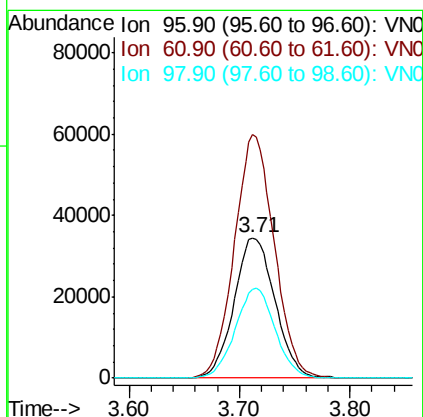
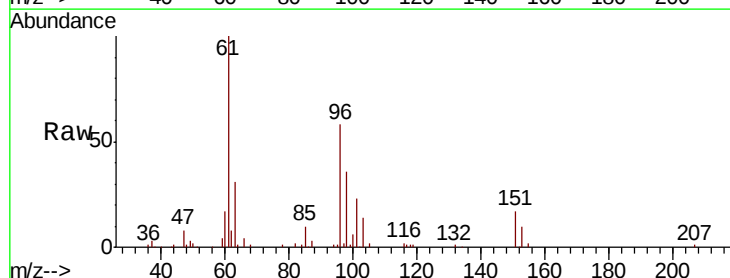
Tot Ion: 59 Resp: 97891
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.2



#12

1,1-Dichloroethene
 Concen: 47.025 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion: 96 Resp: 88470
 Ion Ratio Lower Upper
 96 100
 61 173.2 135.4 203.0
 98 62.9 51.6 77.4





#13

Acrolein

Concen: 264.621 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

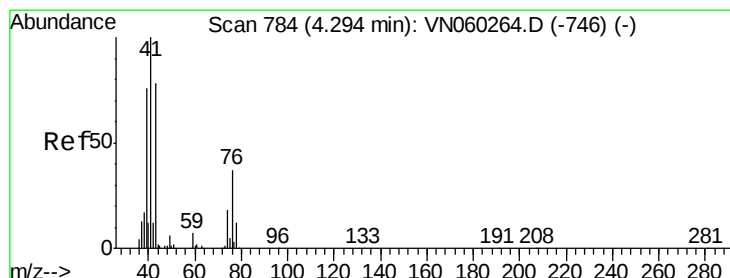
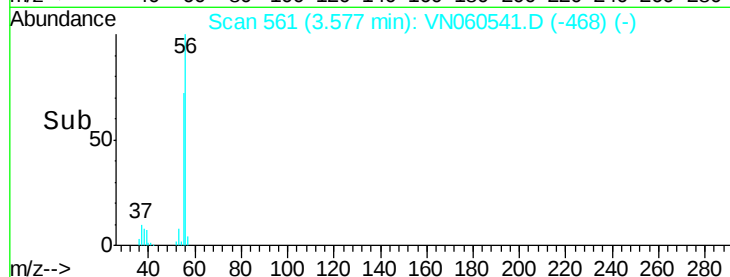
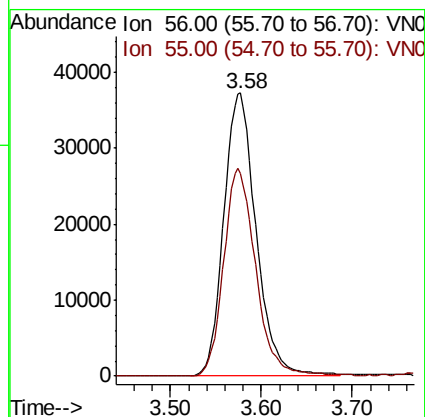
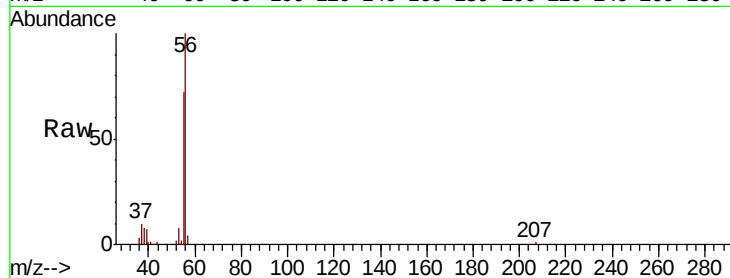
VSTDCCC050EC

Tot Ion: 56 Resp: 92090

Ion Ratio Lower Upper

56 100

55 72.6 57.4 86.0



#14

Allyl chloride

Concen: 45.994 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

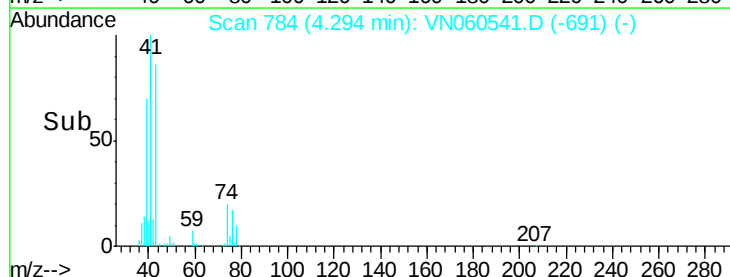
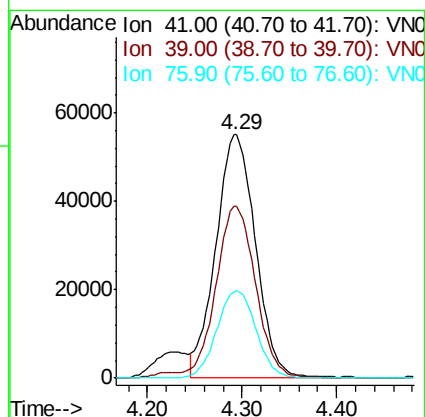
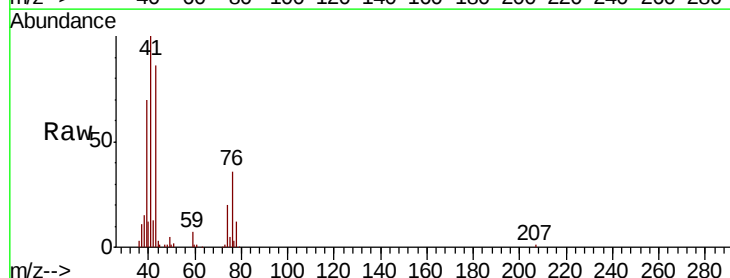
Tgt Ion: 41 Resp: 159528

Ion Ratio Lower Upper

41 100

39 72.5 55.4 83.2

76 35.7 27.0 40.6





#15

Acrylonitrile

Concen: 290.327 ug/l

RT: 4.94 min Scan# 986

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

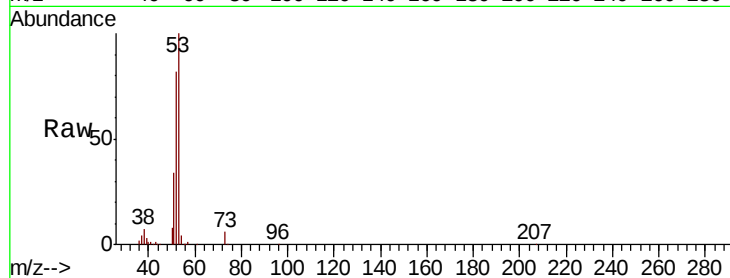
Tot Ion: 53 Resp: 285463

Ion Ratio Lower Upper

53 100

52 82.2 66.8 100.2

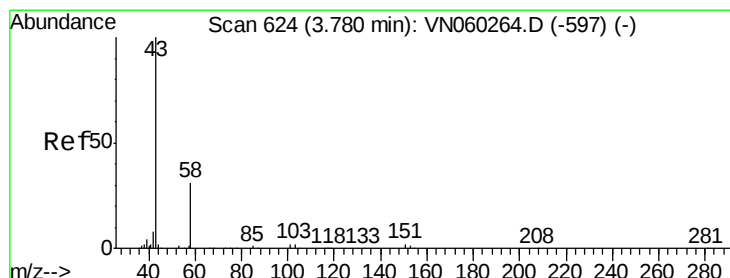
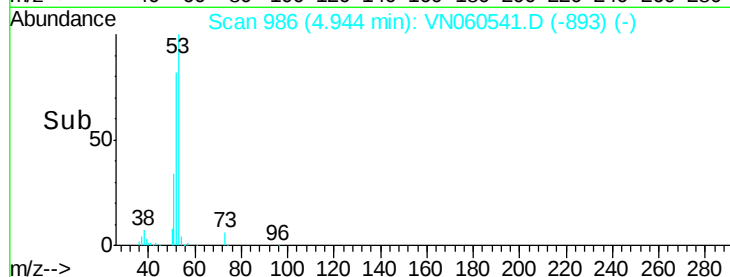
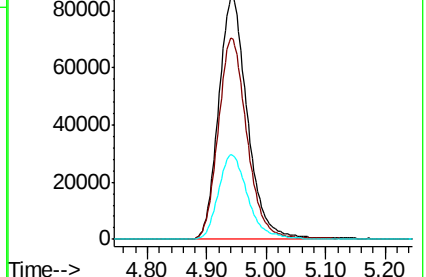
51 35.8 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060541.D (-893) (-)

Ion 52.00 (51.70 to 52.70): VN060541.D (-893) (-)

Ion 51.00 (50.70 to 51.70): VN060541.D (-893) (-)



#16

Acetone

Concen: 284.425 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060541.D

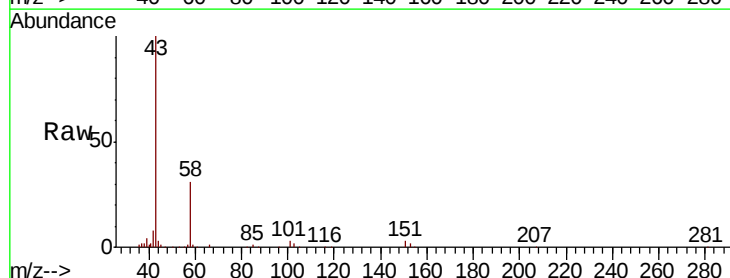
Acq: 16 Mar 2020 22:01

Tgt Ion: 43 Resp: 230747

Ion Ratio Lower Upper

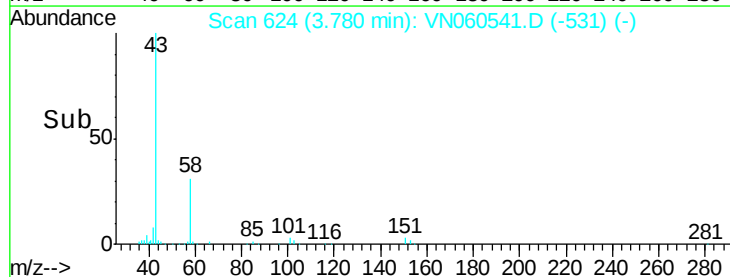
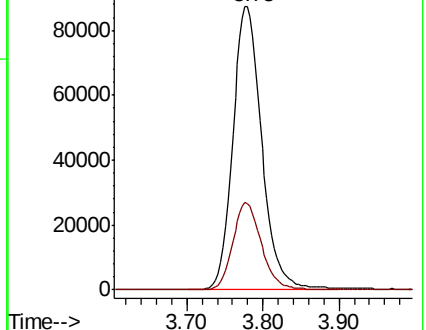
43 100

58 30.7 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060541.D (-531) (-)

Ion 58.00 (57.70 to 58.70): VN060541.D (-531) (-)





#17

Carbon Disulfide

Concen: 41.674 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

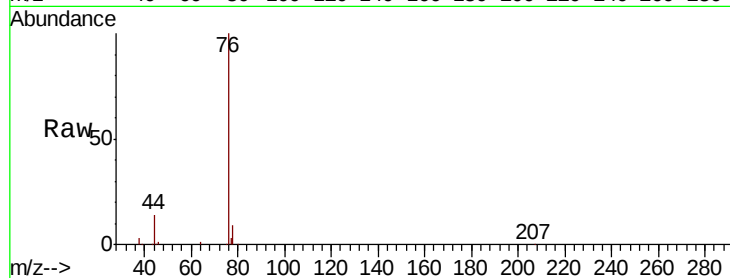
VSTDCCC050EC

Tot Ion: 76 Resp: 208625

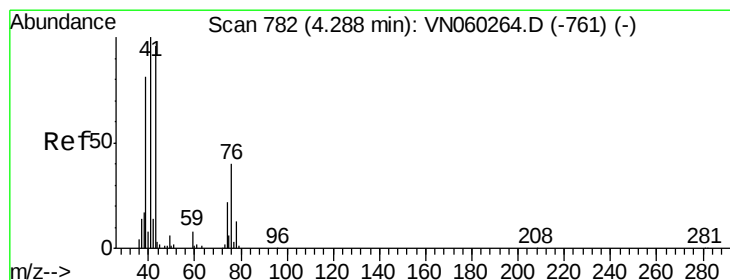
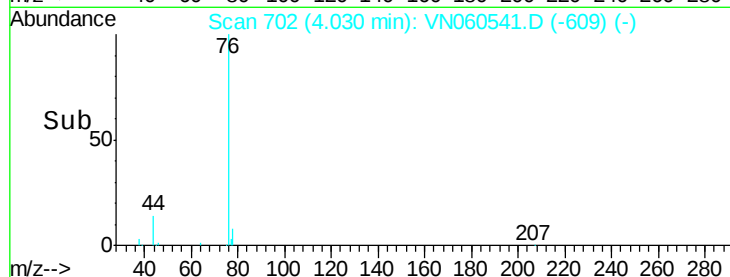
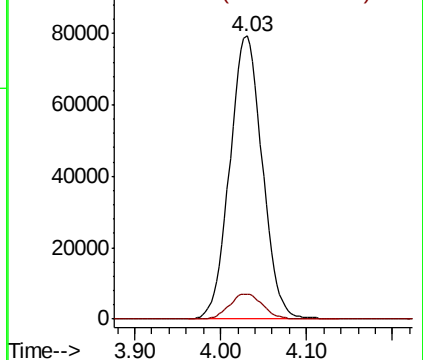
Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 56.081 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060541.D

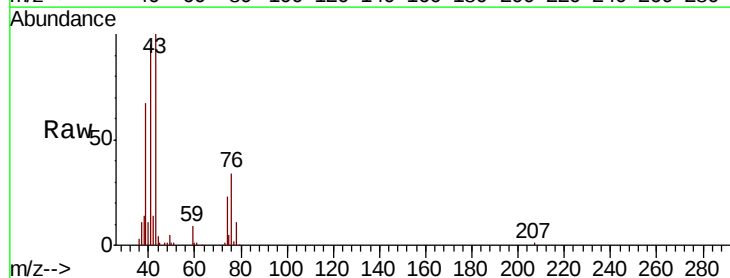
Acq: 16 Mar 2020 22:01

Tgt Ion: 43 Resp: 151832

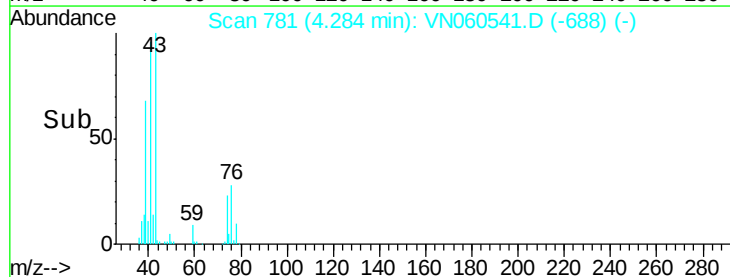
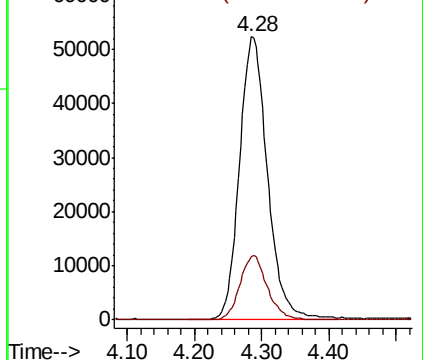
Ion Ratio Lower Upper

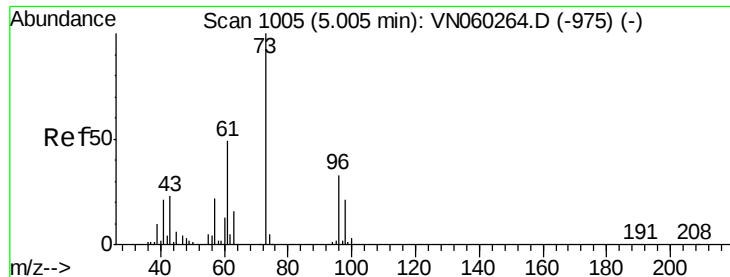
43 100

74 22.0 18.8 28.2



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

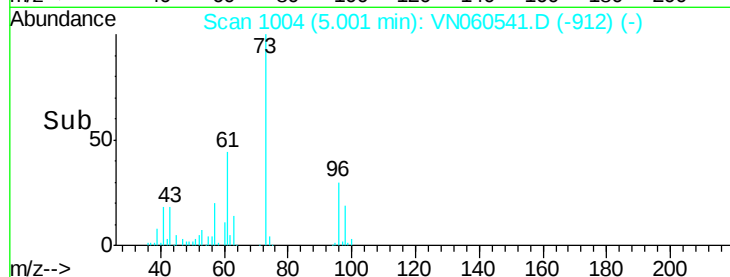
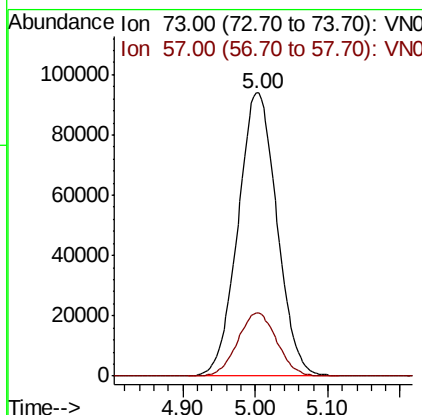
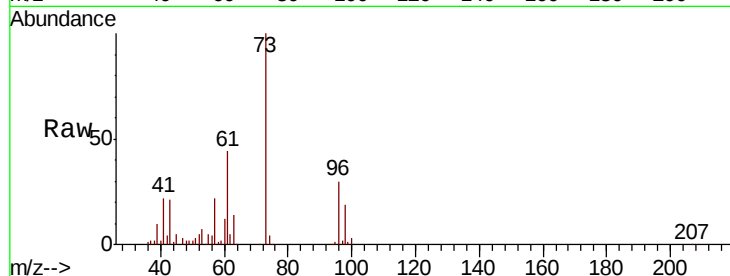




#19
Methvl tert-butvl Ether
Concen: 51.402 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

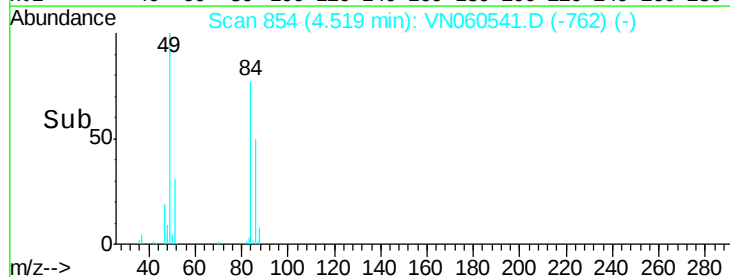
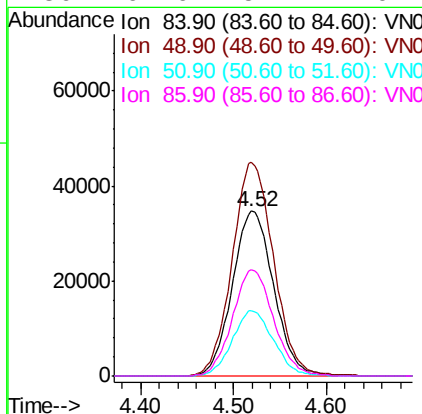
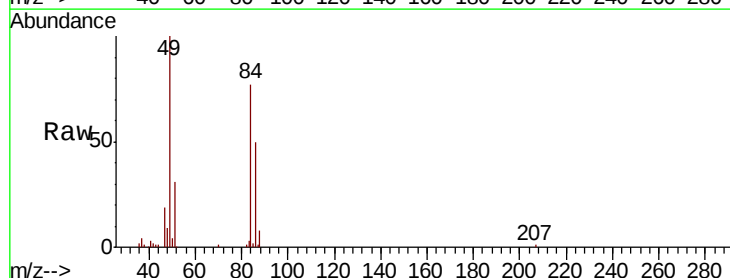
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 351077
Ion Ratio Lower Upper
73 100
57 22.4 17.3 25.9



#20
Methylene Chloride
Concen: 48.263 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion: 84 Resp: 107530
Ion Ratio Lower Upper
84 100
49 129.6 99.3 148.9
51 39.6 30.1 45.1
86 64.6 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 47.304 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

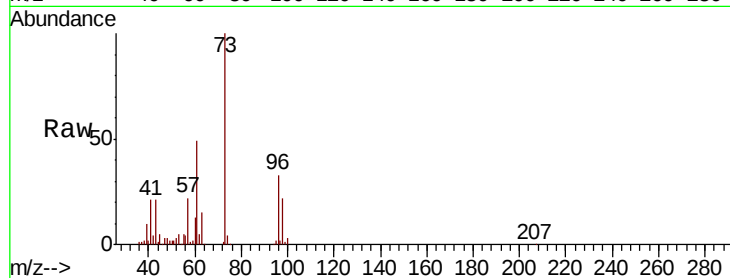
Tot Ion: 96 Resp: 95654

Ion Ratio Lower Upper

96 100

61 147.8 113.8 170.8

98 64.7 48.8 73.2

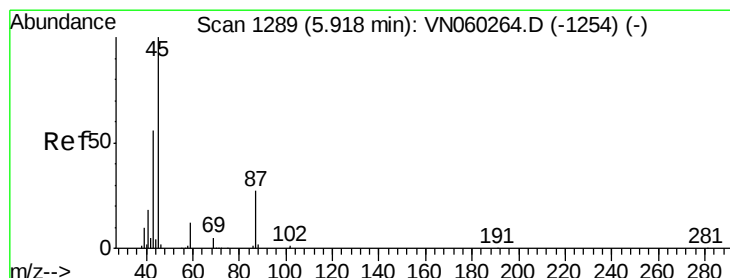
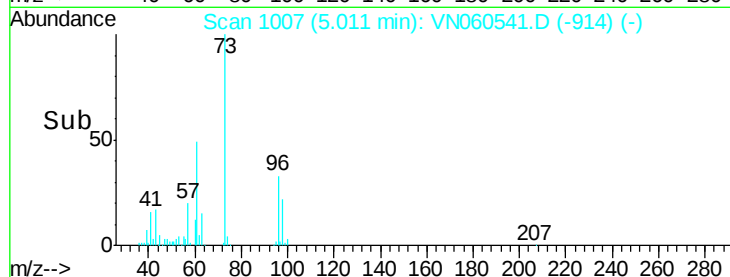
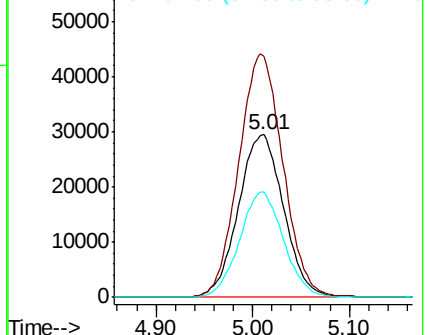


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 54.914 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Tgt Ion: 45 Resp: 385808

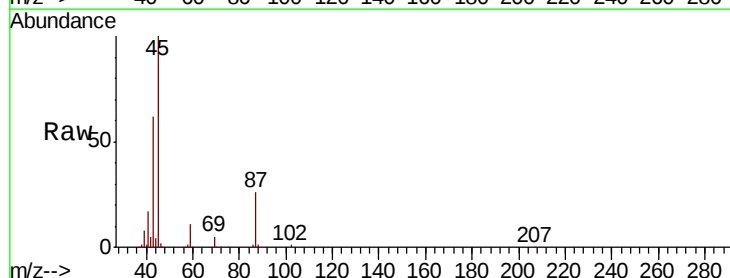
Ion Ratio Lower Upper

45 100

43 60.7 48.6 72.8

87 25.7 22.2 33.2

59 11.2 9.5 14.3



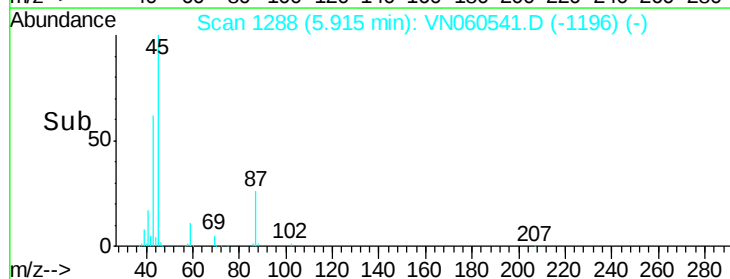
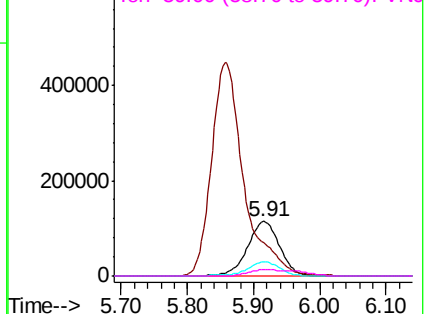
Abundance

Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 272.459 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

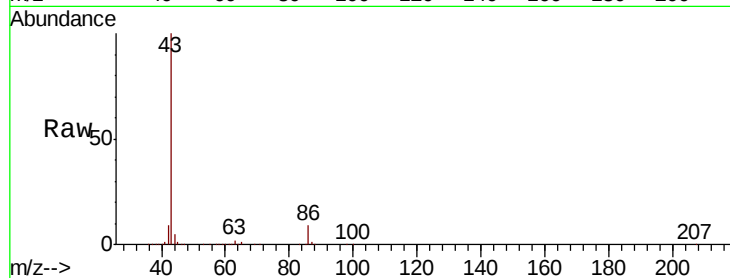
VSTDCCC050EC

Tot Ion: 43 Resp: 1521097

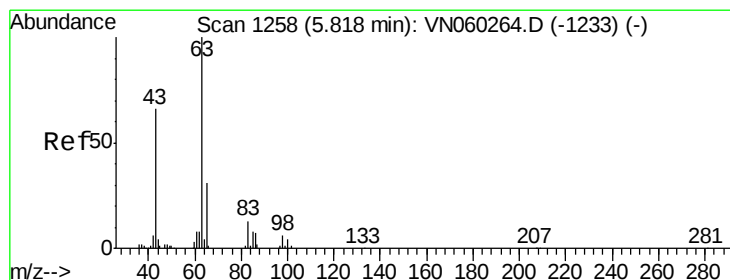
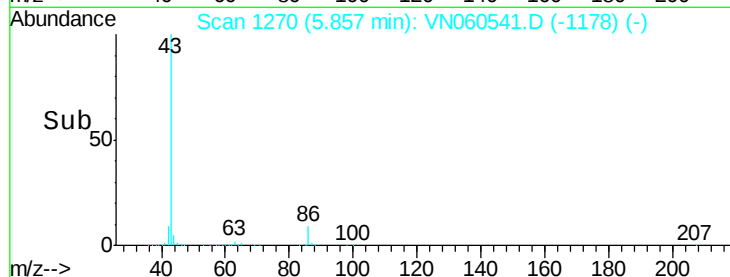
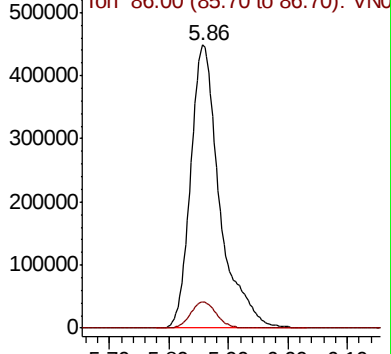
Ion Ratio Lower Upper

43 100

86 9.3 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN060541.D (-1178) (-)



#24

1,1-Dichloroethane

Concen: 51.769 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

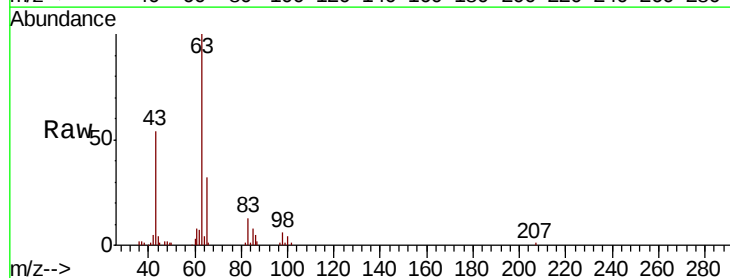
Tgt Ion: 63 Resp: 205887

Ion Ratio Lower Upper

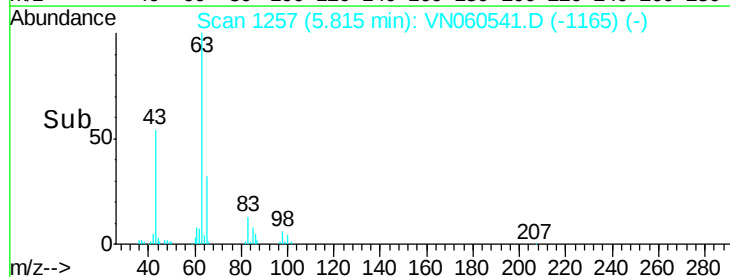
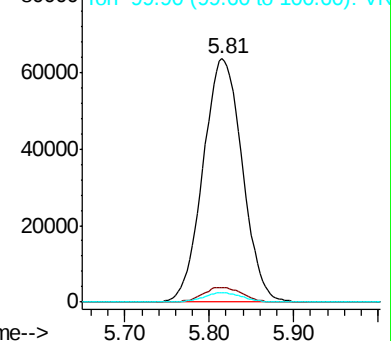
63 100

98 6.1 3.0 9.0

100 3.8 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN060541.D (-1165) (-)





#25

2-Butanone

Concen: 286.537 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

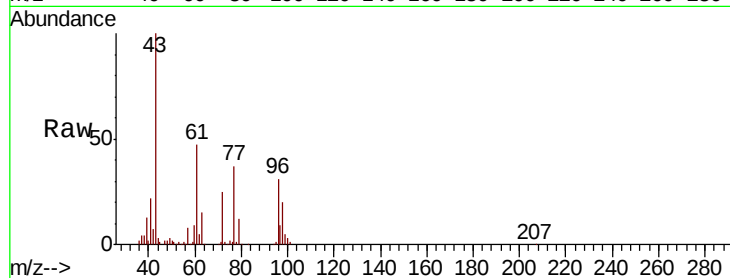
VSTDCCC050EC

Tot Ion: 43 Resp: 375479

Ion Ratio Lower Upper

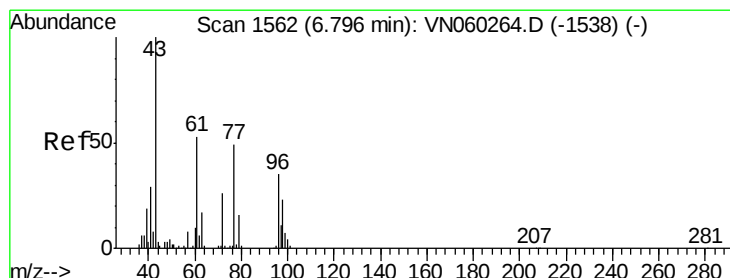
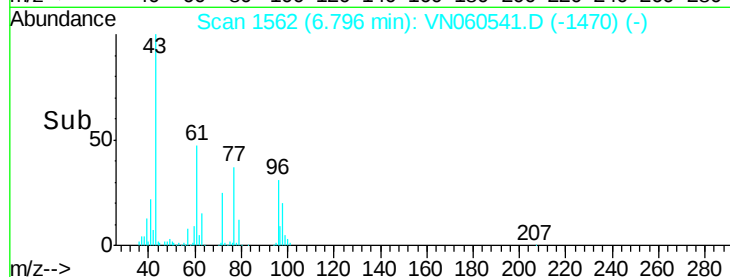
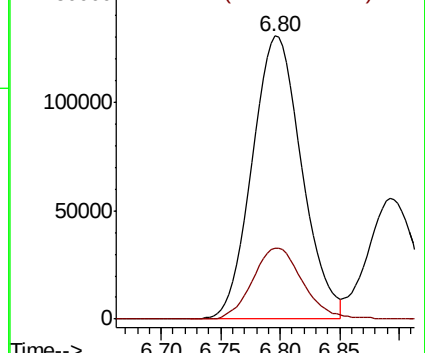
43 100

72 25.2 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN060541.D (-1470) (-)

Ion 72.00 (71.70 to 72.70): VN060541.D (-1470) (-)



#26

2,2-Dichloropropane

Concen: 41.836 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060541.D

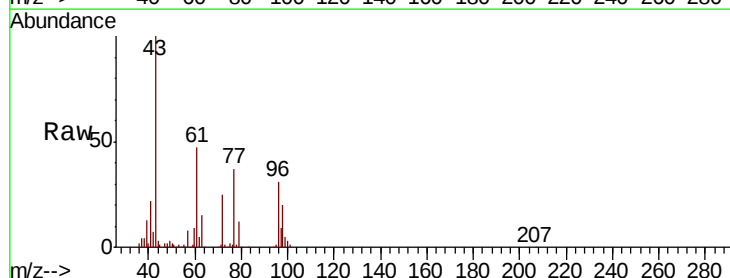
Acq: 16 Mar 2020 22:01

Tgt Ion: 77 Resp: 151470

Ion Ratio Lower Upper

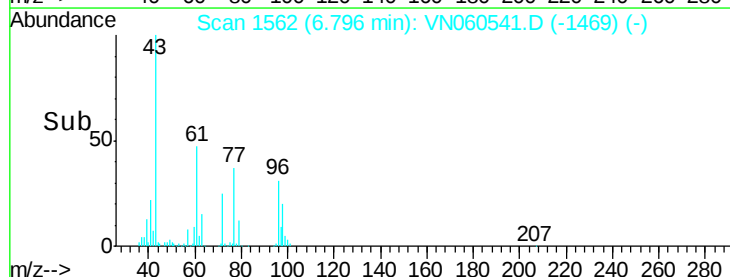
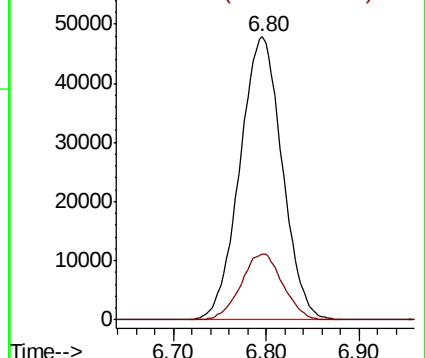
77 100

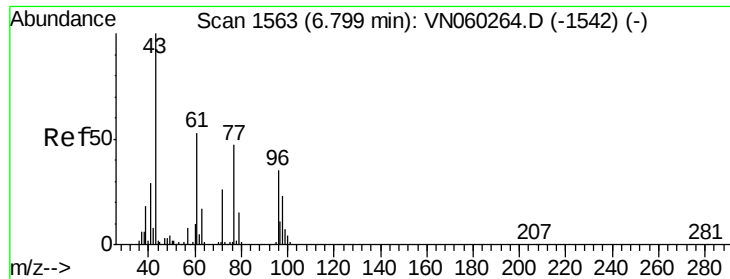
97 23.1 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VN060541.D (-1469) (-)

Ion 96.90 (96.60 to 97.60): VN060541.D (-1469) (-)





#27

cis-1,2-Dichloroethene

Concen: 45.764 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

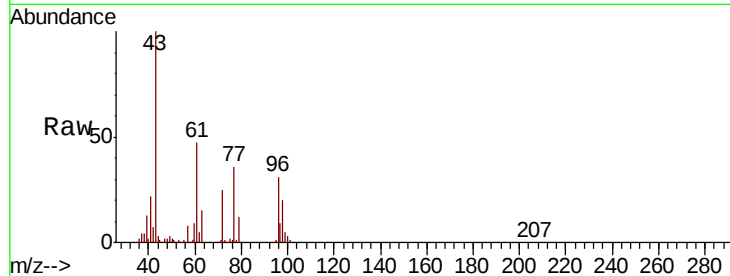
Tot Ion: 96 Resp: 118232

Ion Ratio Lower Upper

96 100

61 153.2 0.0 300.8

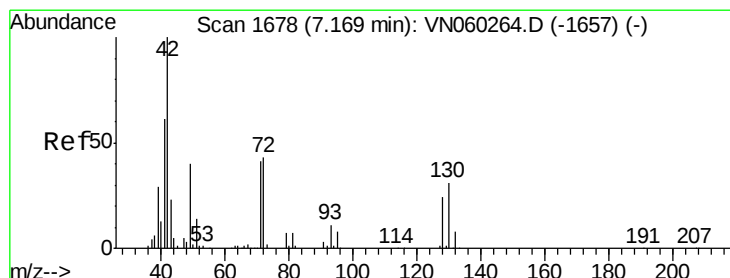
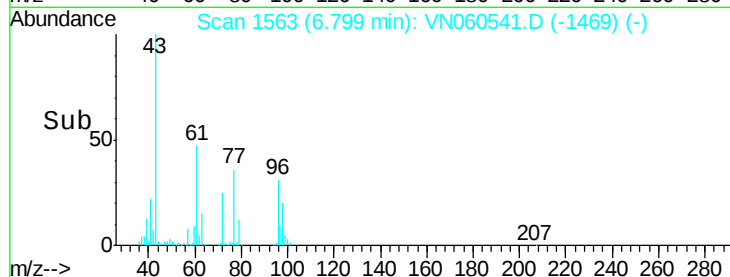
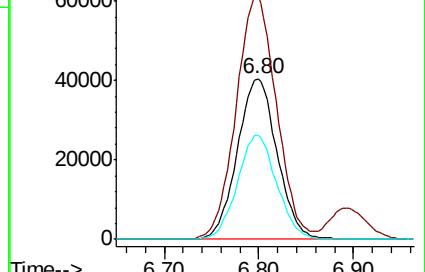
98 63.8 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VN060541.D (-1469) (-)

Ion 60.90 (60.60 to 61.60): VN060541.D (-1469) (-)

Ion 97.90 (97.60 to 98.60): VN060541.D (-1469) (-)



#28

Bromochloromethane

Concen: 53.312 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

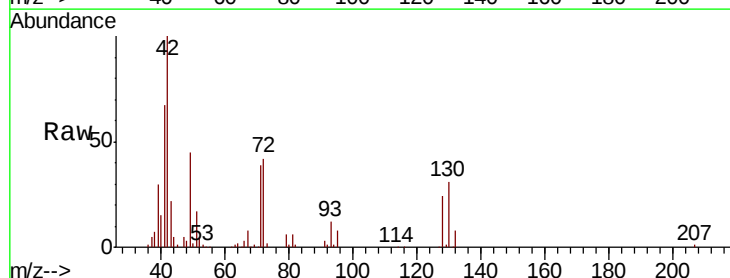
Tgt Ion: 49 Resp: 87051

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

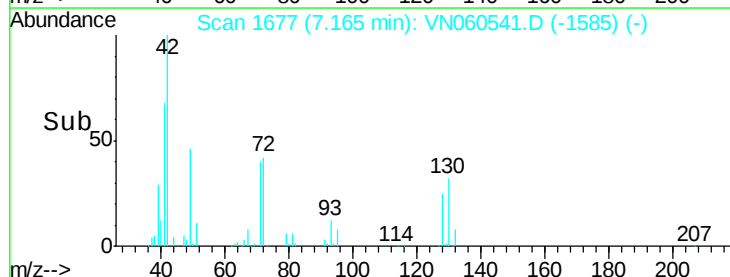
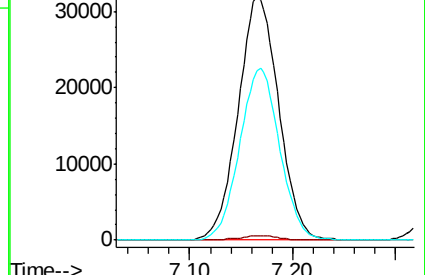
130 69.6 59.8 89.8



Abundance Ion 48.90 (48.60 to 49.60): VN060541.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN060541.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN060541.D (-1585) (-)





#29

Tetrahydrofuran

Concen: 279.723 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

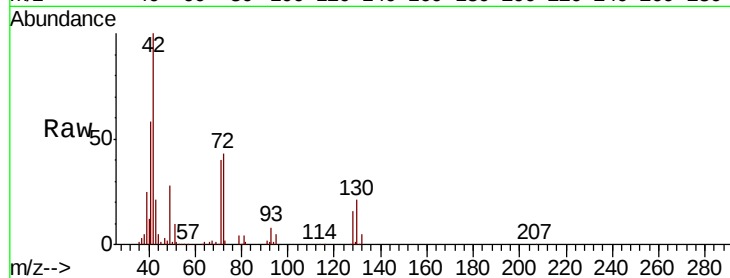
Tot Ion: 42 Resp: 254891

Ion Ratio Lower Upper

42 100

72 41.7 34.6 52.0

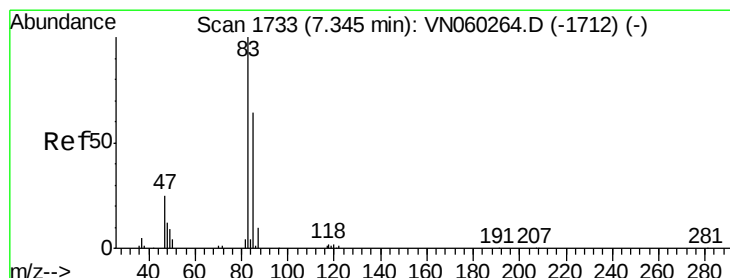
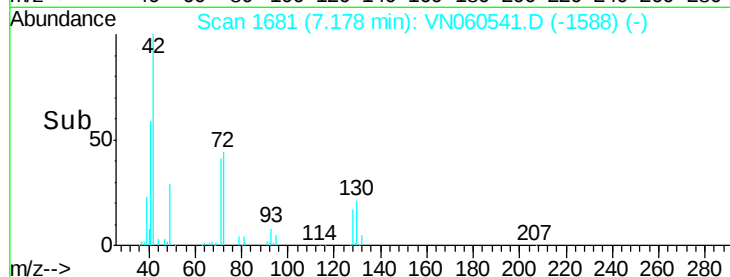
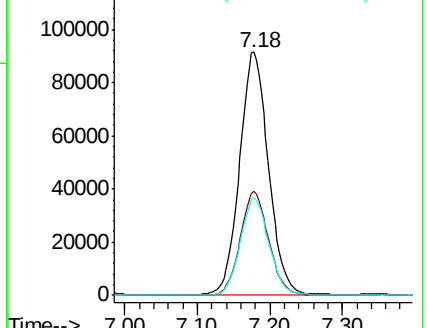
71 39.4 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN060541.D (-1588) (-)

Ion 72.00 (71.70 to 72.70): VN060541.D (-1588) (-)

Ion 71.00 (70.70 to 71.70): VN060541.D (-1588) (-)



#30

Chloroform

Concen: 50.292 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VN060541.D

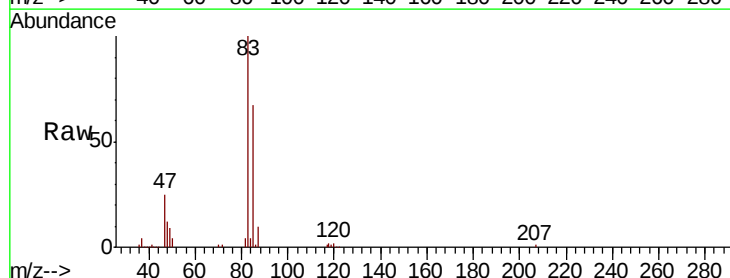
Acq: 16 Mar 2020 22:01

Tgt Ion: 83 Resp: 199106

Ion Ratio Lower Upper

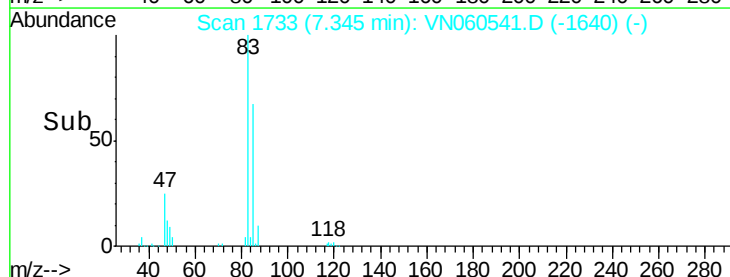
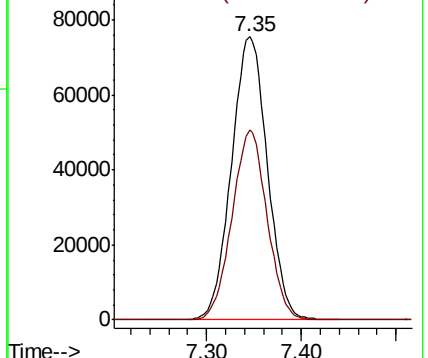
83 100

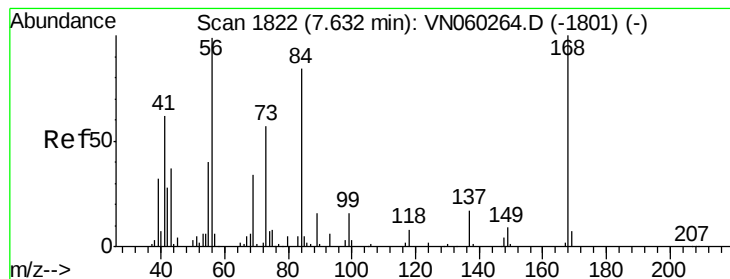
85 67.0 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN060541.D (-1640) (-)

Ion 84.90 (84.60 to 85.60): VN060541.D (-1640) (-)





#31

Cyclohexane

Concen: 48.451 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

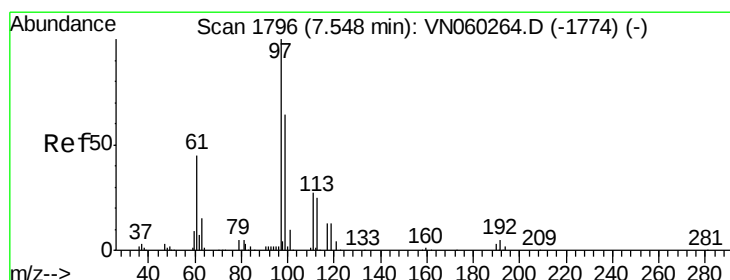
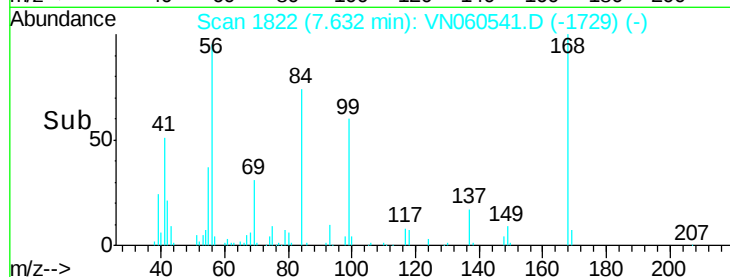
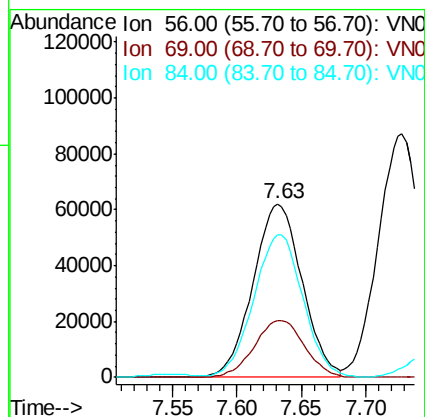
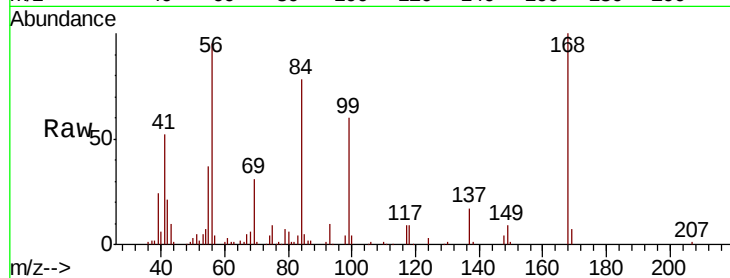
Tot Ion: 56 Resp: 164573

Ion Ratio Lower Upper

56 100

69 32.8 27.2 40.8

84 81.2 66.7 100.1



#32

1,1,1-Trichloroethane

Concen: 48.733 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

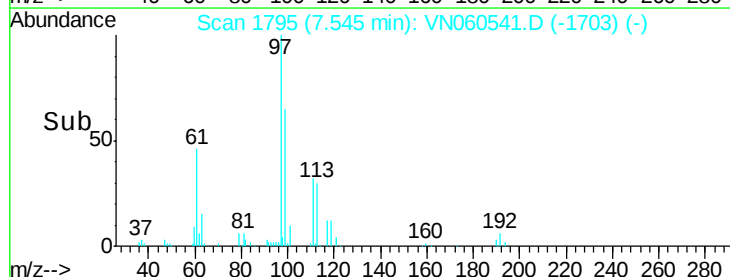
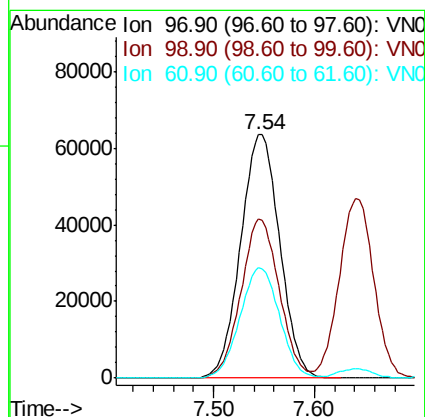
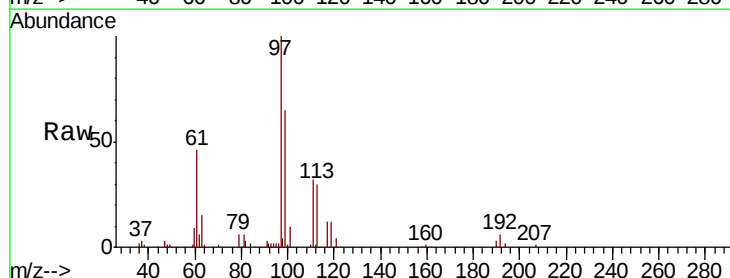
Tgt Ion: 97 Resp: 170942

Ion Ratio Lower Upper

97 100

99 63.9 51.4 77.0

61 45.8 36.6 55.0

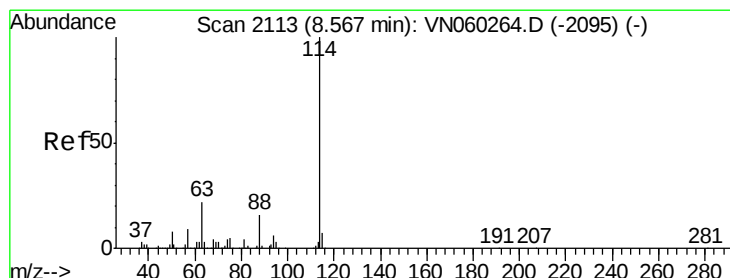
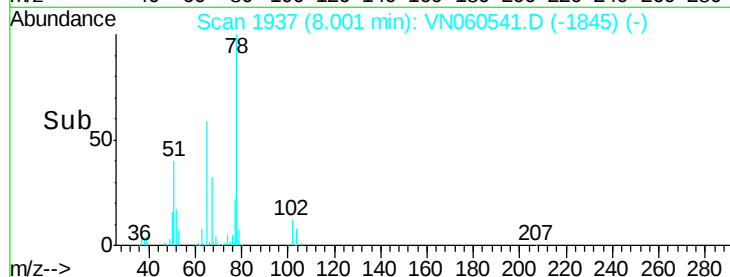
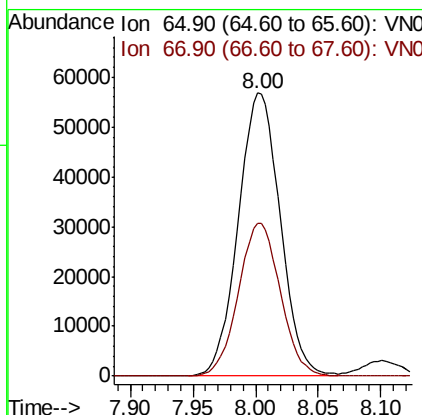
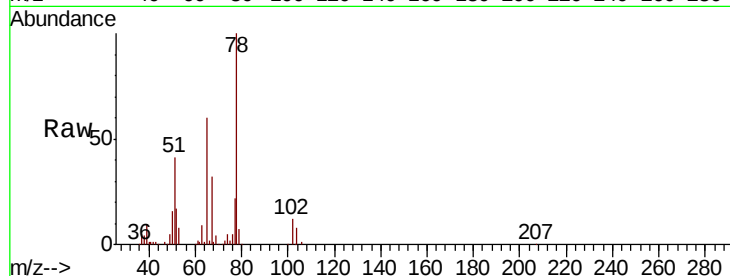




#33
 1,2-Dichloroethane-d4
 Concen: 52.669 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

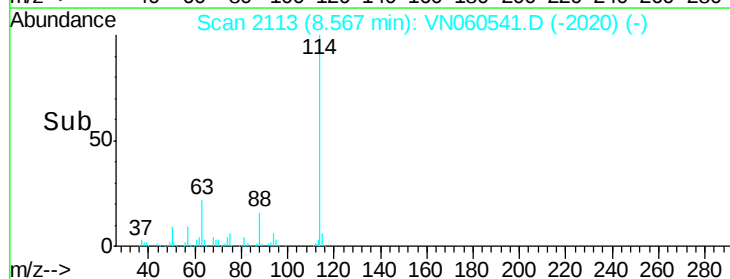
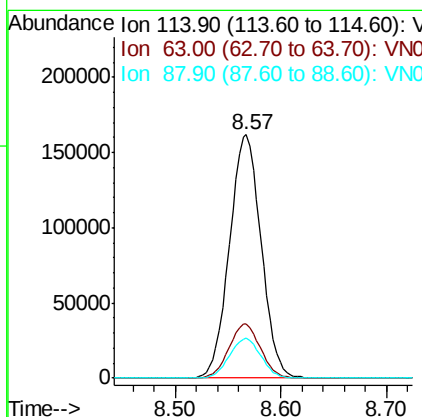
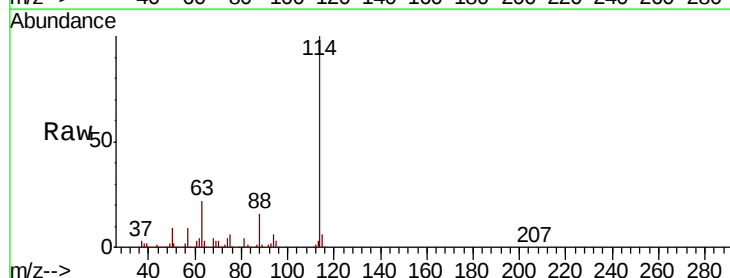
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

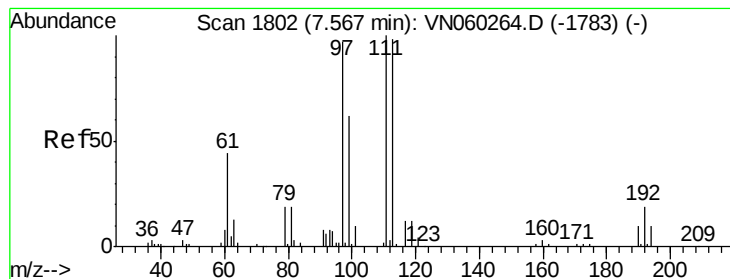
Tot Ion: 65 Resp: 132317
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion: 114 Resp: 336003
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.2
 88 16.2 0.0 31.6





#35

Dibromofluoromethane

Concen: 64.740 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

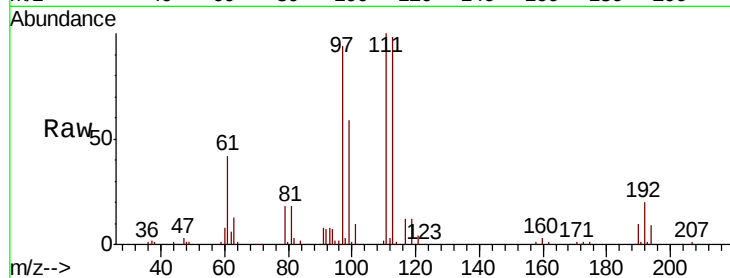
Tot Ion:113 Resp: 100970

Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

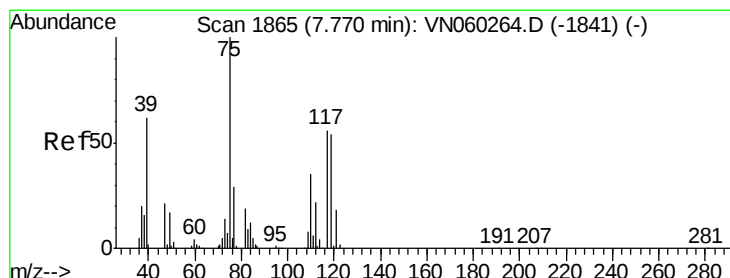
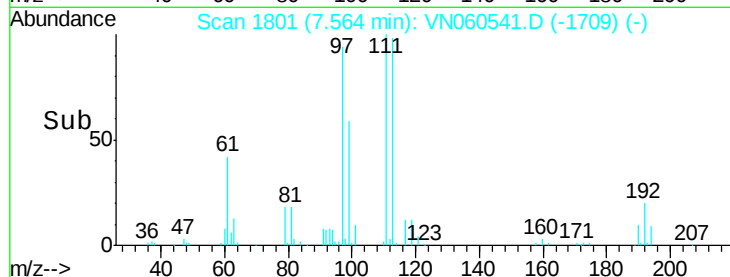
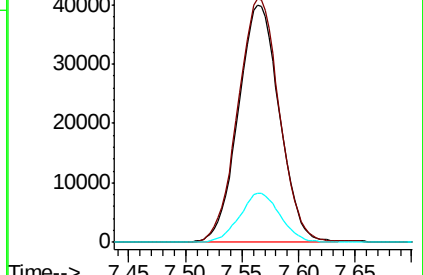
192 20.3 16.2 24.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 43.964 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

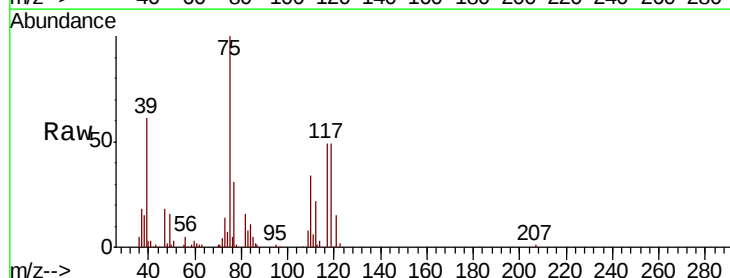
Tgt Ion: 75 Resp: 140786

Ion Ratio Lower Upper

75 100

110 33.9 17.3 52.0

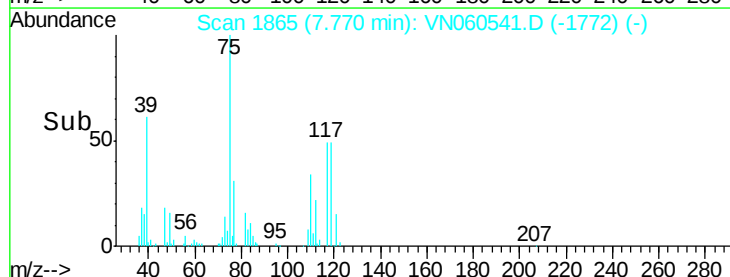
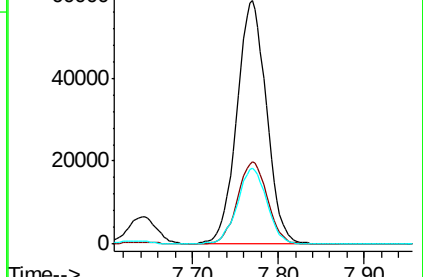
77 30.9 24.2 36.2



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

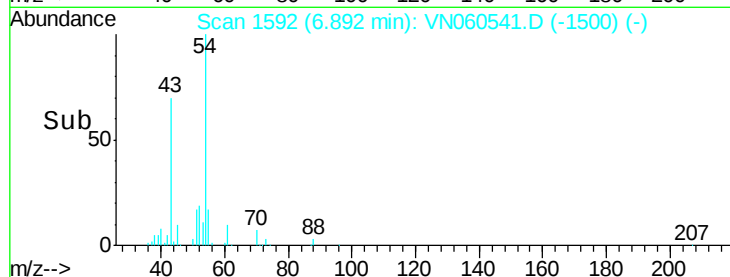
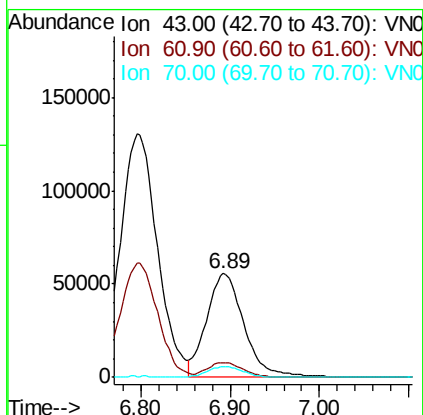
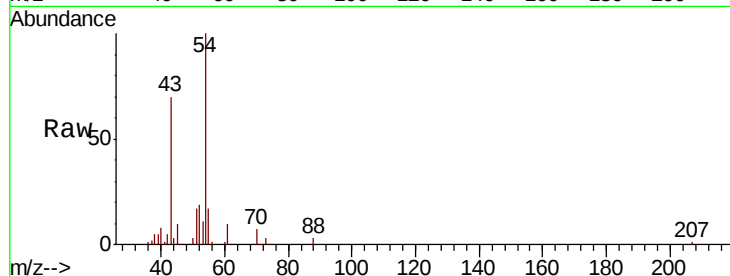




#37
Ethyl Acetate
Concen: 52.733 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

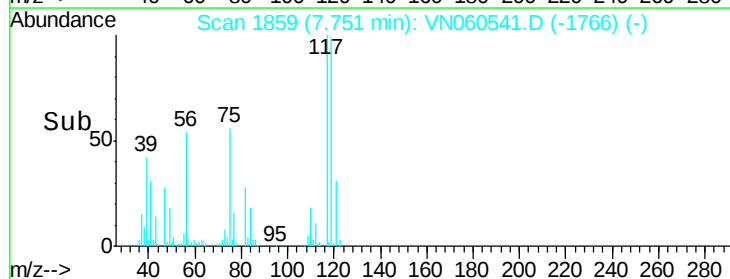
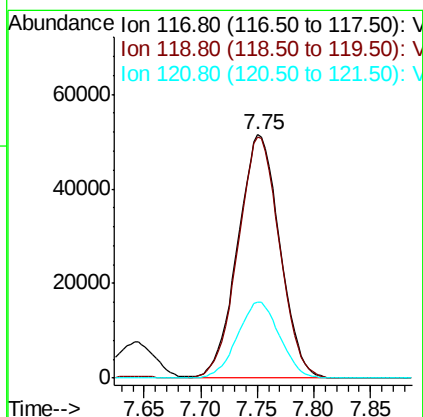
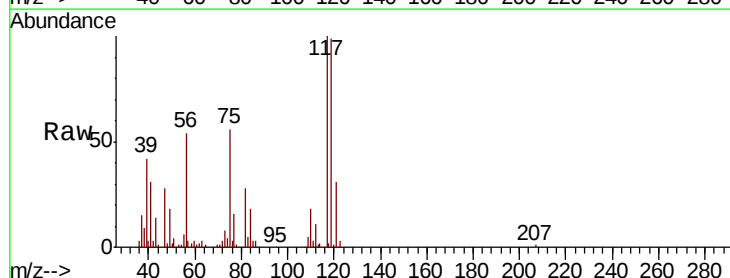
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

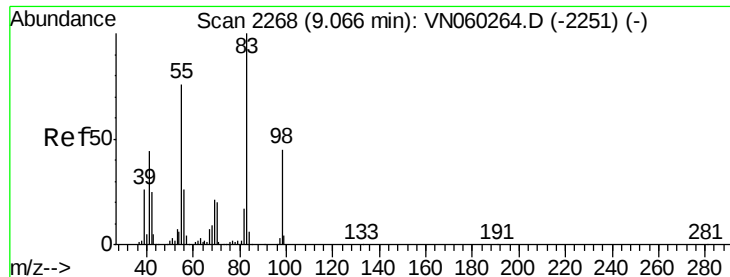
Tot Ion: 43 Resp: 159894
Ion Ratio Lower Upper
43 100
61 13.0 11.1 16.7
70 10.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 42.586 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion: 117 Resp: 132774
Ion Ratio Lower Upper
117 100
119 99.3 76.7 115.1
121 31.4 24.5 36.7

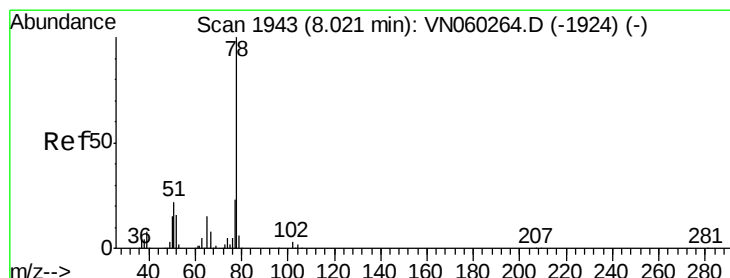
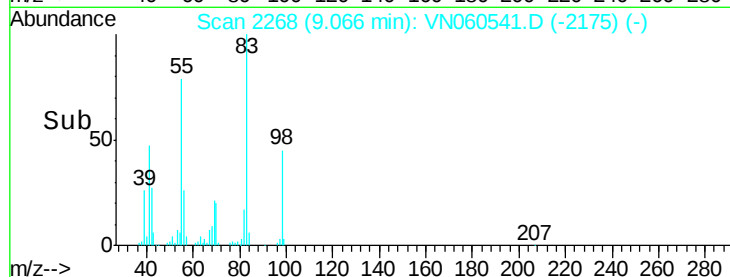
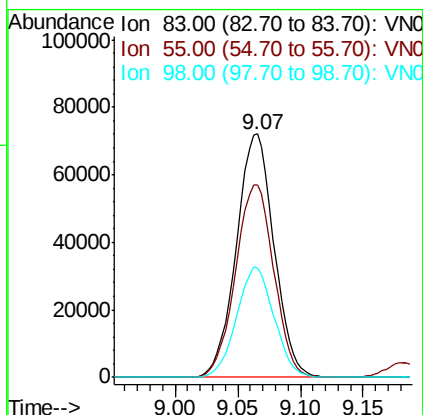
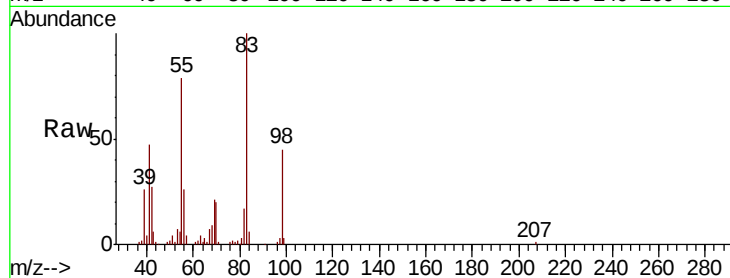




#39
Methvlcvclohexane
Concen: 39.859 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

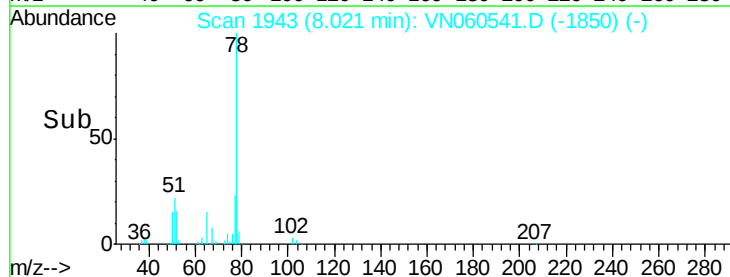
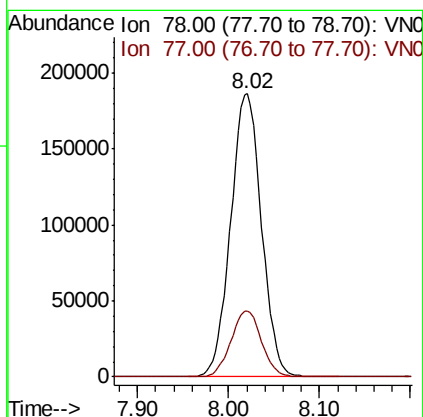
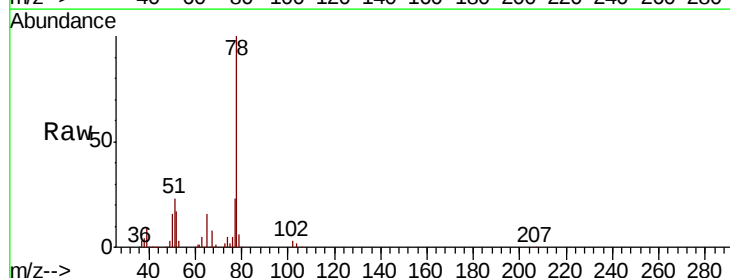
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

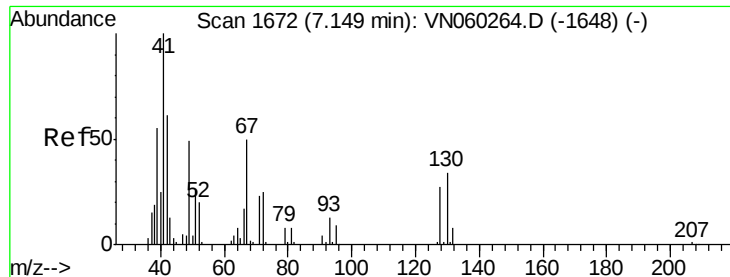
Tot Ion: 83 Resp: 150492
Ion Ratio Lower Upper
83 100
55 79.3 61.0 91.4
98 44.9 36.1 54.1



#40
Benzene
Concen: 46.973 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion: 78 Resp: 437808
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

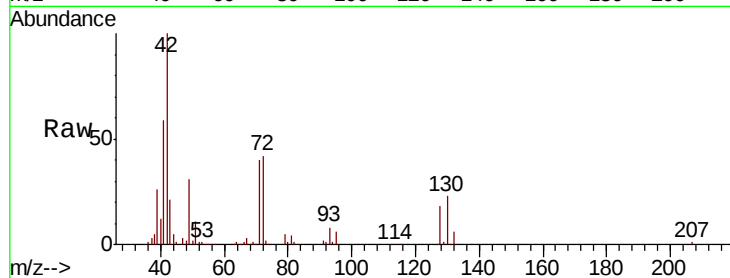




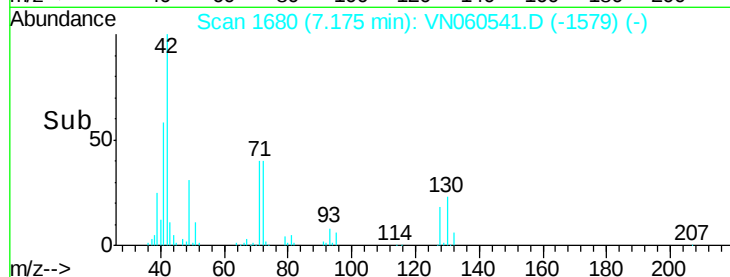
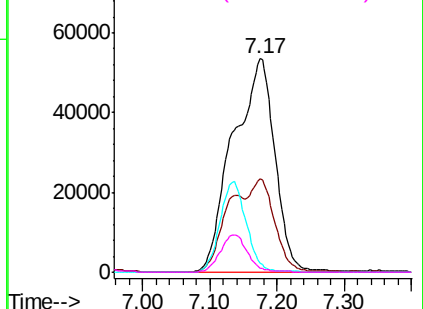
#41
Methacrylonitrile
Concen: 165.277 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	231397
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

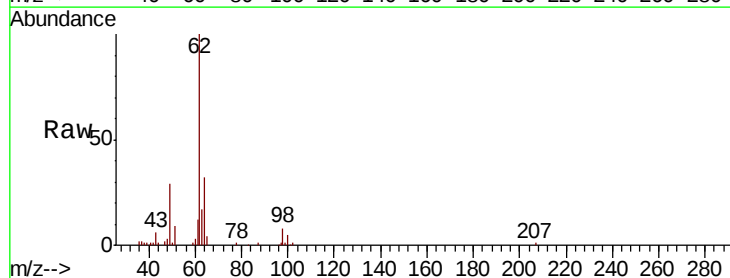


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

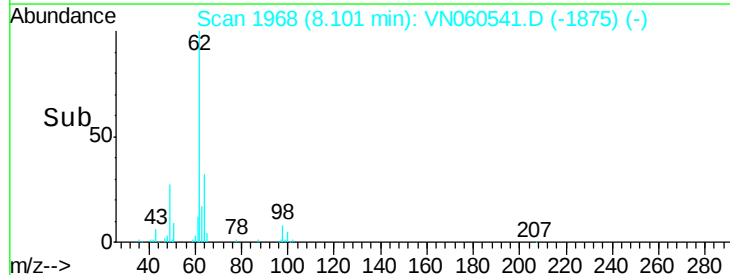
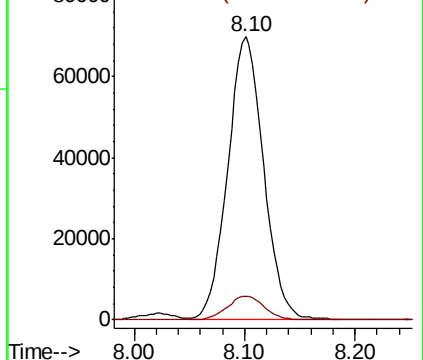


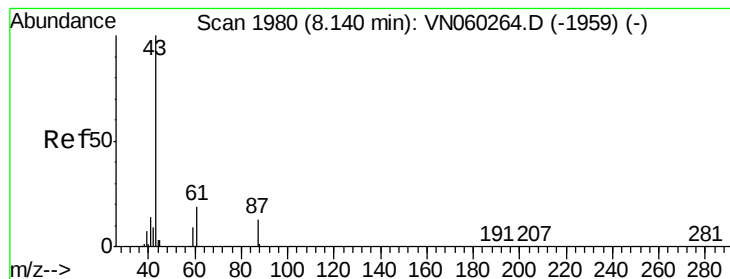
#42
1,2-Dichloroethane
Concen: 46.791 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion:	62	Resp:	157373
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 52.241 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

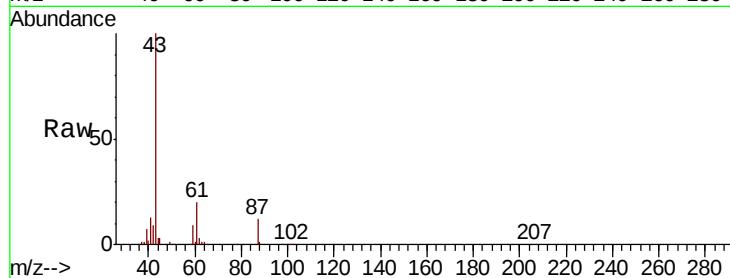
Tot Ion: 43 Resp: 277313

Ion Ratio Lower Upper

43 100

61 25.7 20.9 31.3

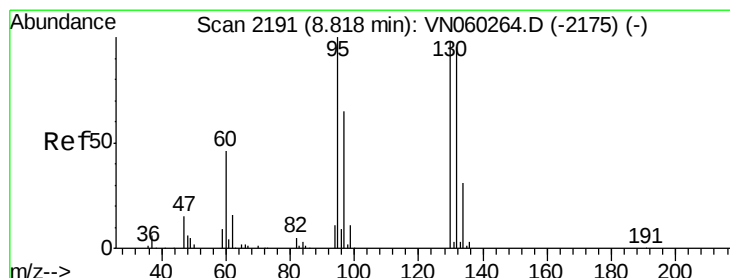
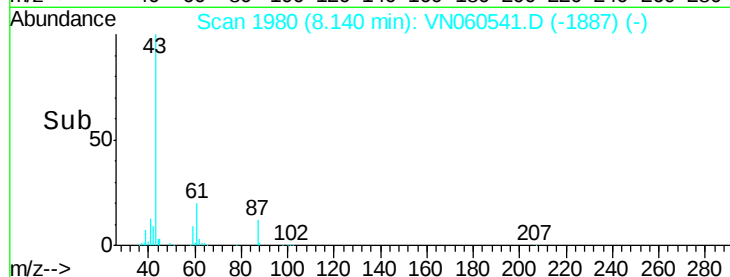
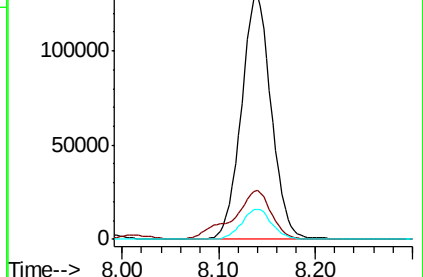
87 12.5 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060541.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060541.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060541.D (-1887) (-)



#44

Trichloroethene

Concen: 42.953 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN060541.D

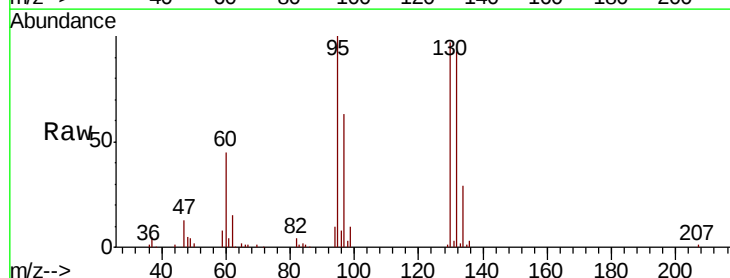
Acq: 16 Mar 2020 22:01

Tgt Ion:130 Resp: 111497

Ion Ratio Lower Upper

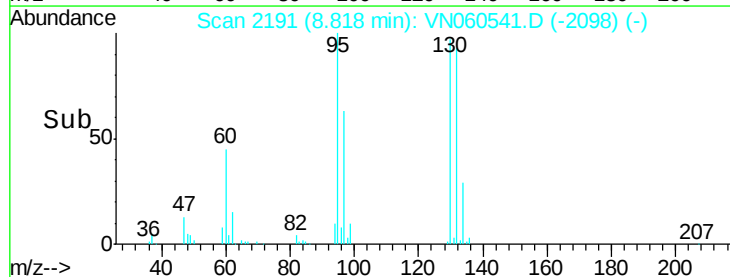
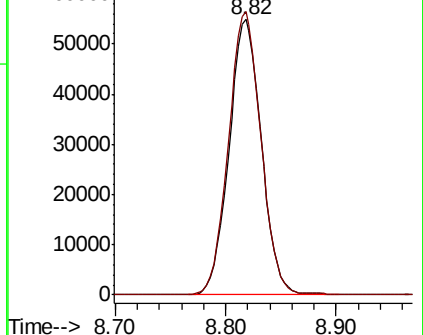
130 100

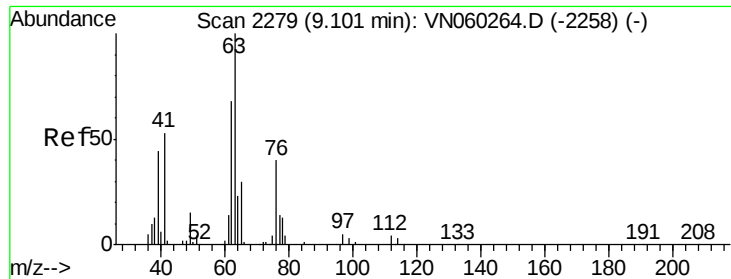
95 102.7 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060541.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN060541.D (-2098) (-)

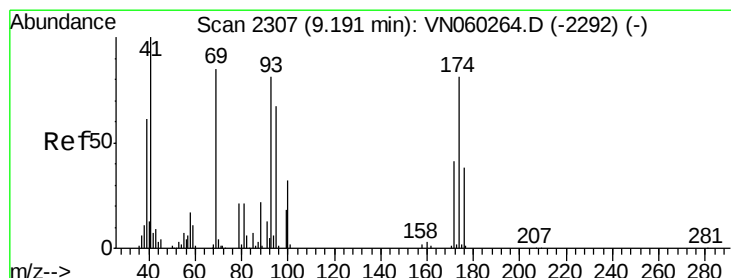
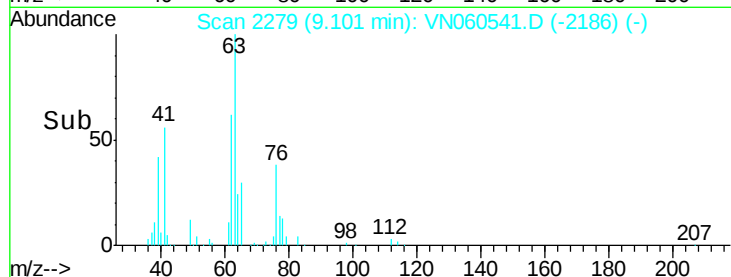
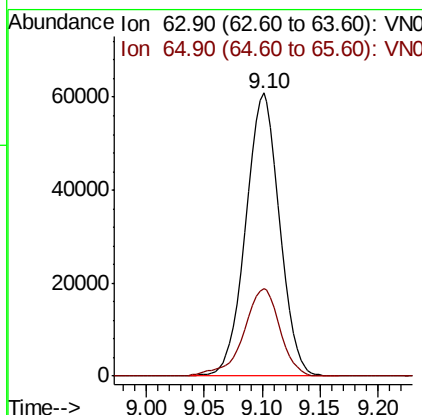
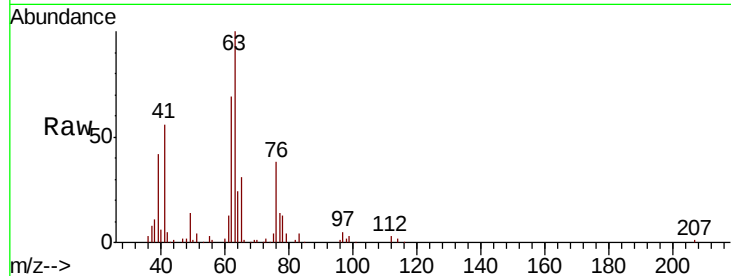




#45
 1,2-Dichloropropane
 Concen: 50.852 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

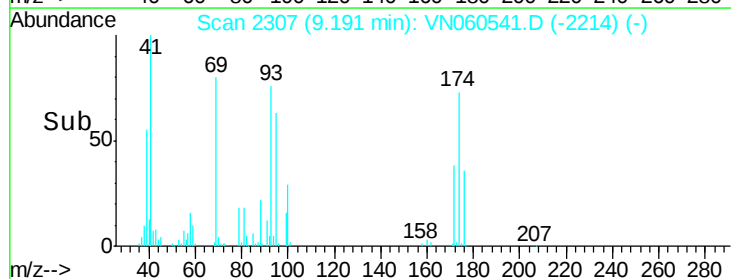
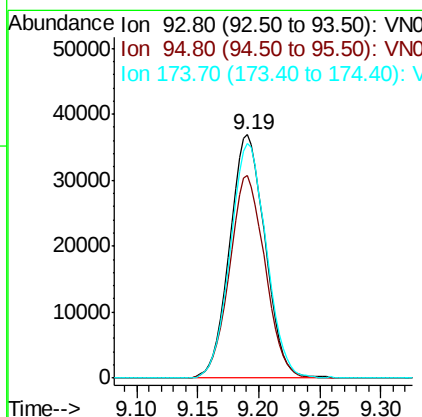
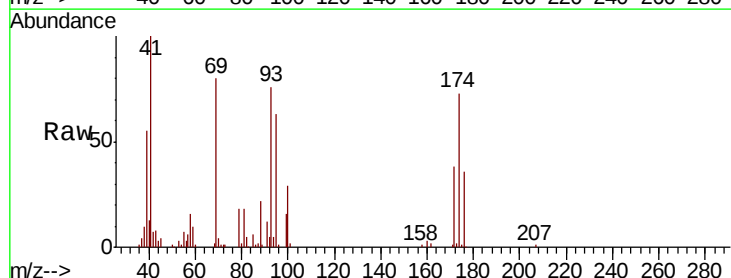
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

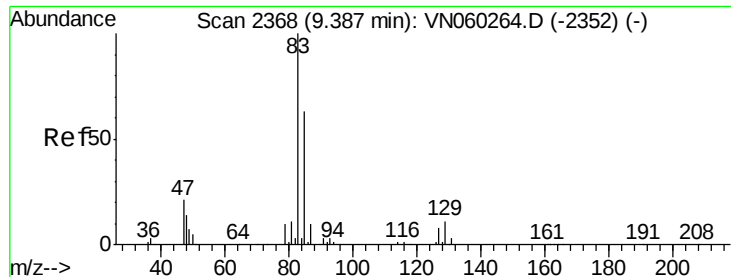
Tot Ion: 63 Resp: 123918
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.4 36.6



#46
 Dibromomethane
 Concen: 46.988 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion: 93 Resp: 74297
 Ion Ratio Lower Upper
 93 100
 95 83.4 65.9 98.9
 174 98.0 79.6 119.4

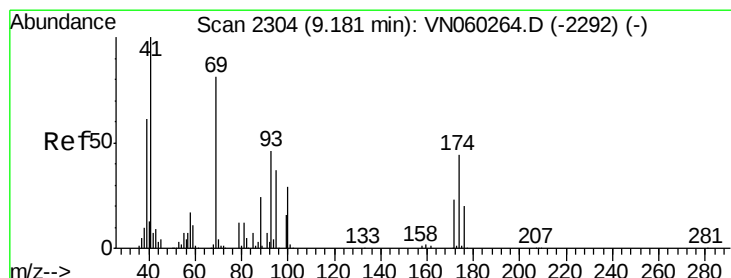
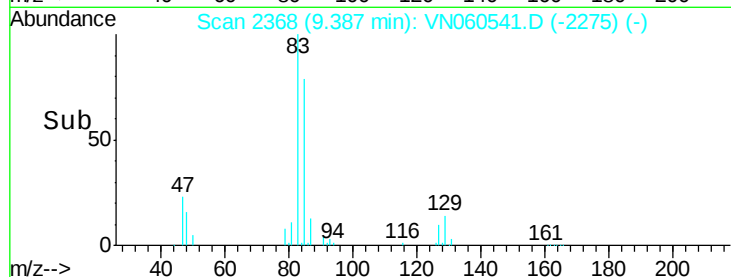
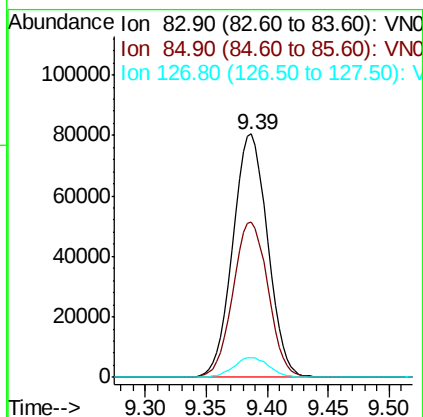
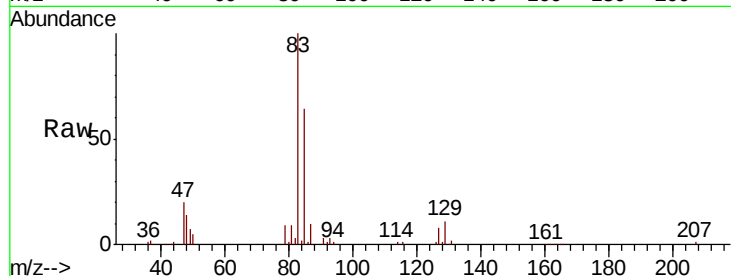




#47
Bromodichloromethane
Concen: 49.617 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

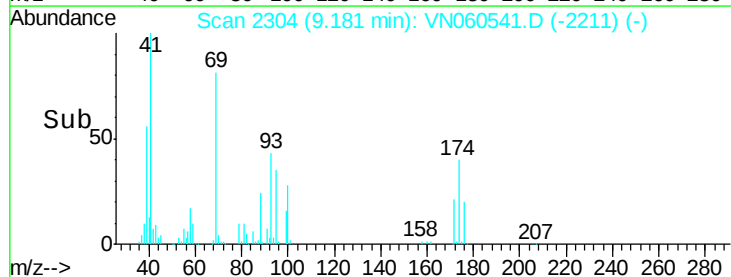
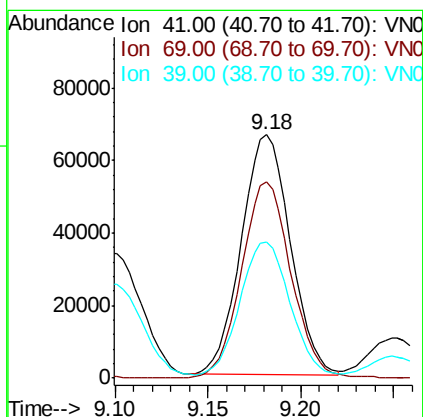
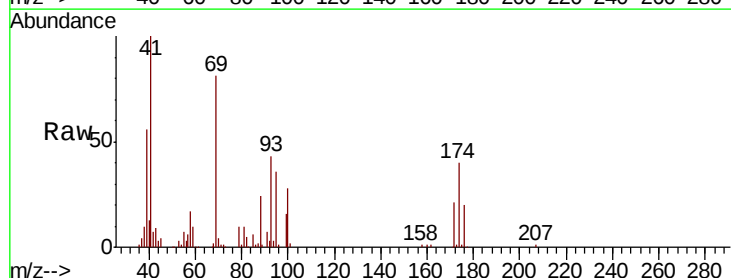
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

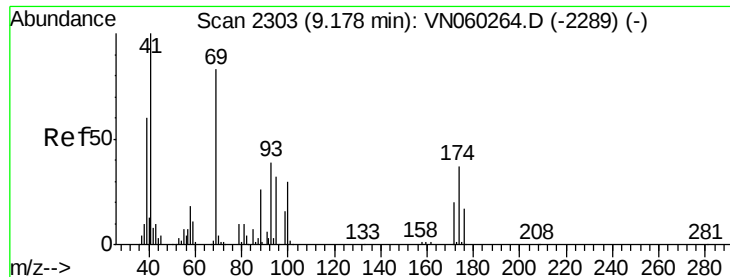
Tot Ion: 83 Resp: 159564
Ion Ratio Lower Upper
83 100
85 63.6 50.7 76.1
127 8.3 6.8 10.2



#48
Methyl methacrylate
Concen: 50.757 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion: 41 Resp: 122865
Ion Ratio Lower Upper
41 100
69 82.6 66.7 100.1
39 58.8 50.1 75.1

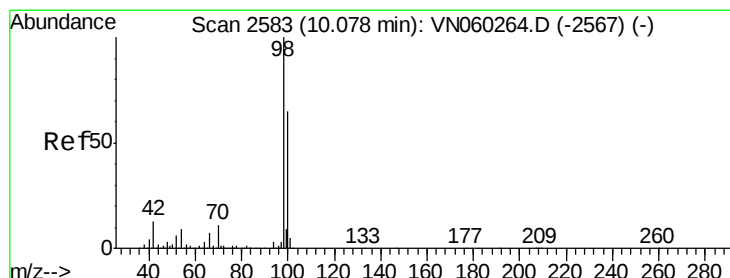
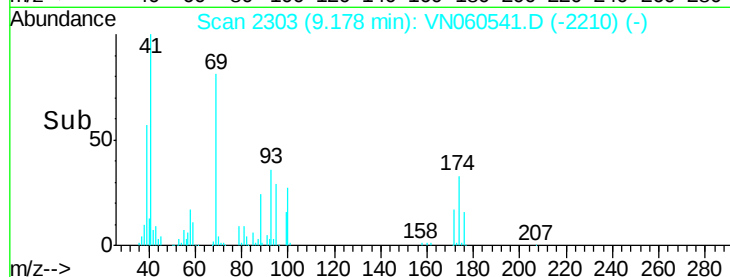
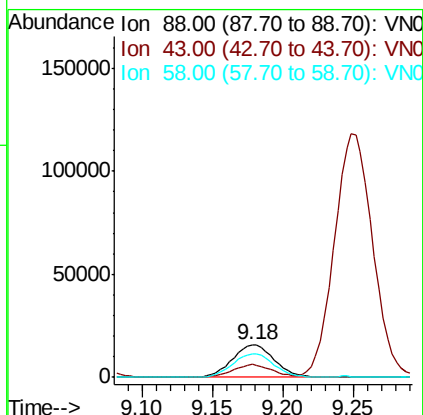
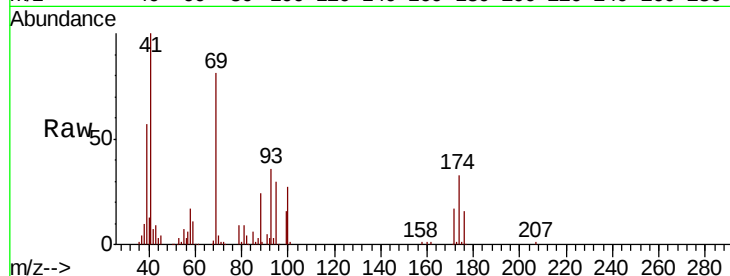




#49
1,4-Dioxane
Concen: 962.076 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

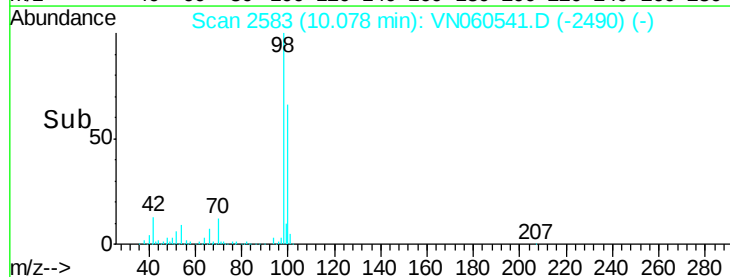
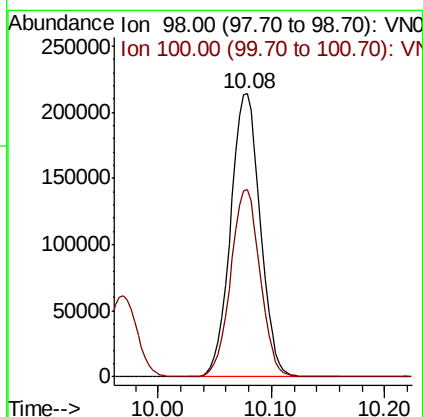
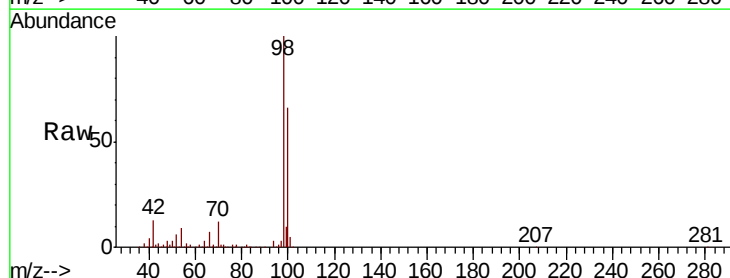
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 32750
Ion Ratio Lower Upper
88 100
43 37.6 30.4 45.6
58 73.1 57.0 85.6



#50
Toluene-d8
Concen: 49.493 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion: 98 Resp: 390673
Ion Ratio Lower Upper
98 100
100 65.8 52.2 78.2

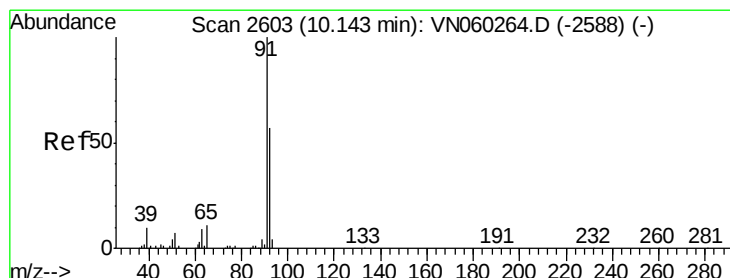
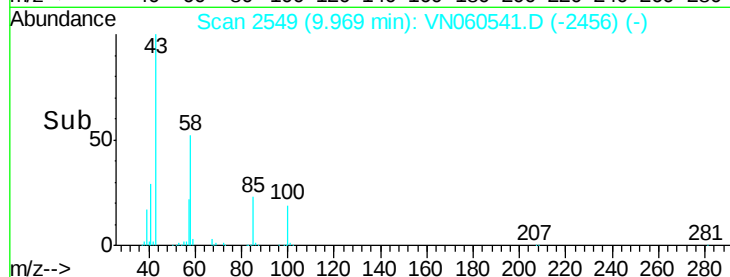
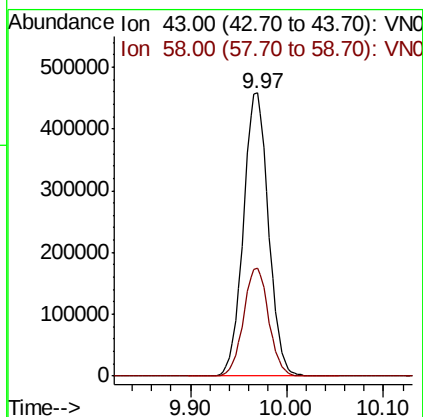
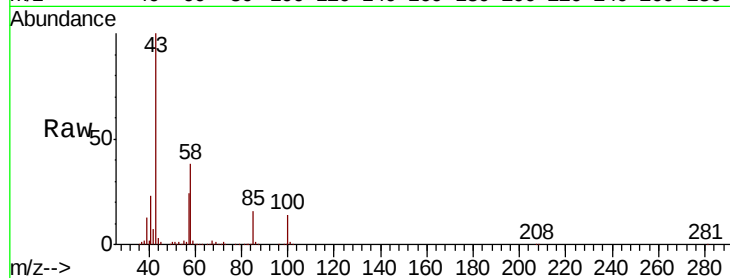




#51
 4-Methyl-2-Pentanone
 Concen: 273.487 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

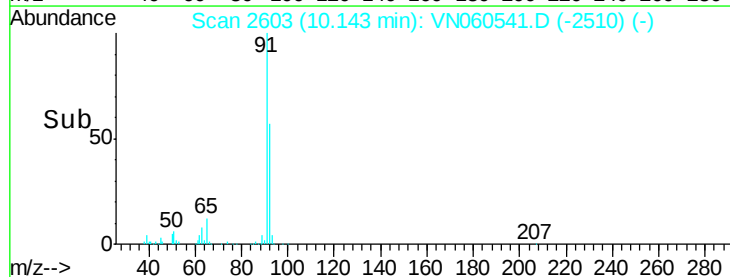
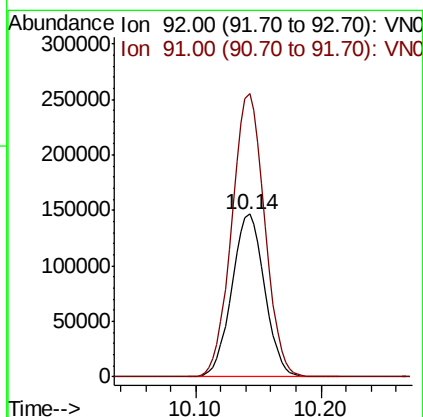
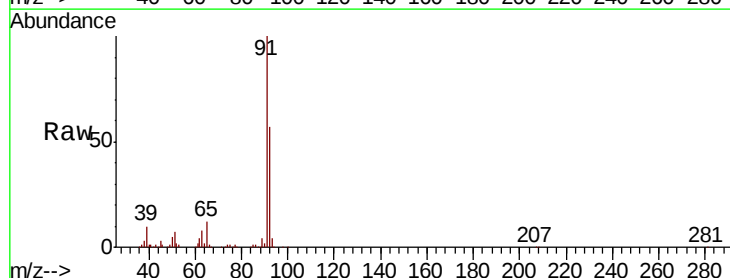
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

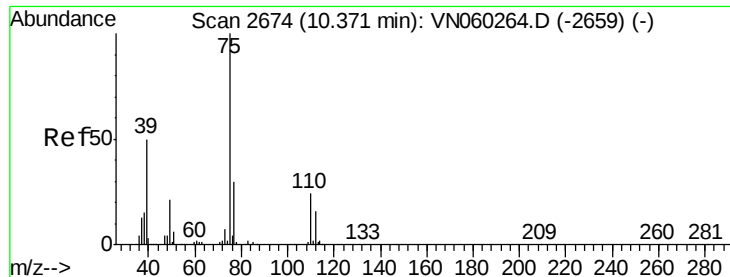
Tot Ion: 43 Resp: 823116
 Ion Ratio Lower Upper
 43 100
 58 38.3 30.9 46.3



#52
 Toluene
 Concen: 45.434 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion: 92 Resp: 266004
 Ion Ratio Lower Upper
 92 100
 91 174.6 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 45.743 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

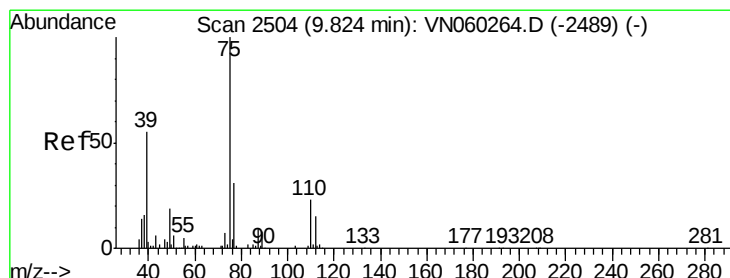
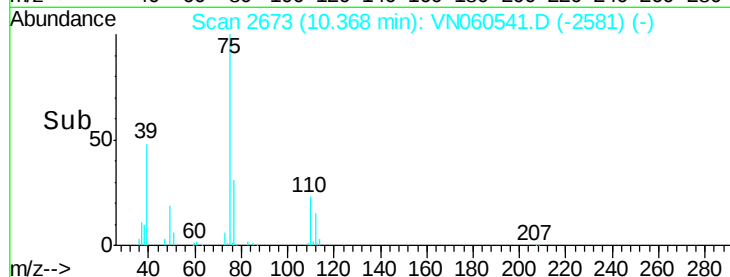
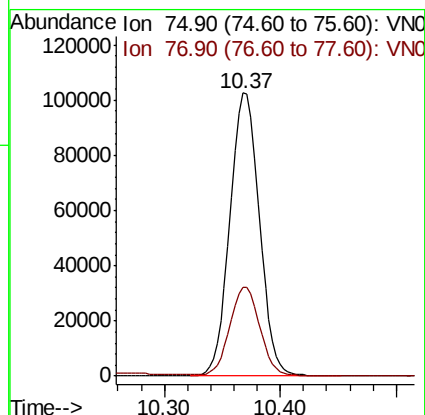
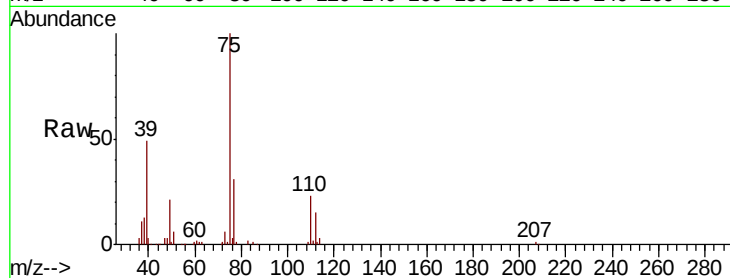
VSTDCCC050EC

Tot Ion: 75 Resp: 180251

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 47.209 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

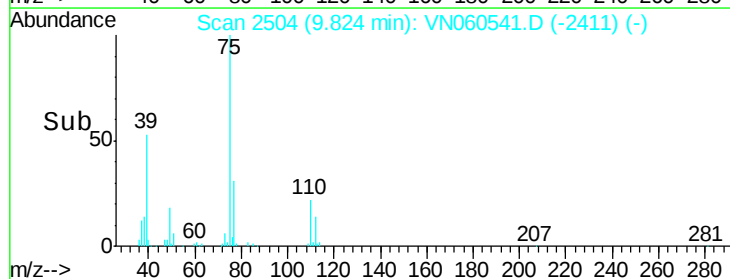
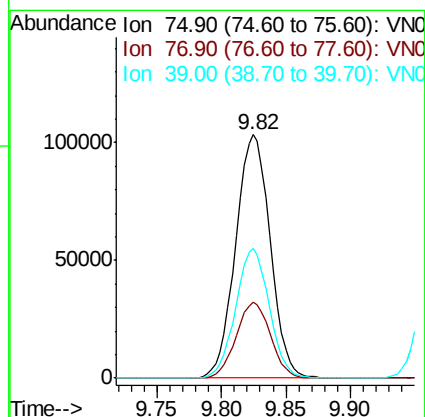
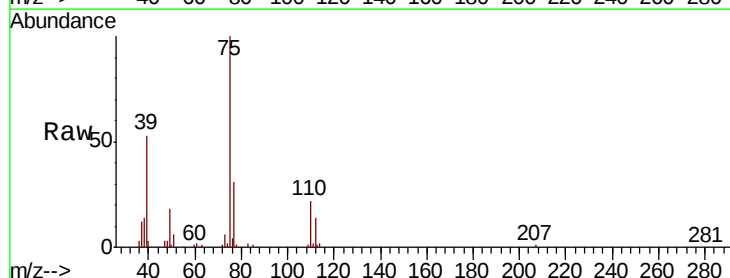
Tgt Ion: 75 Resp: 192762

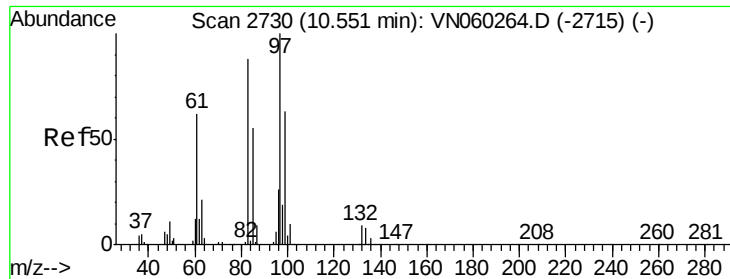
Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

39 53.1 43.8 65.8

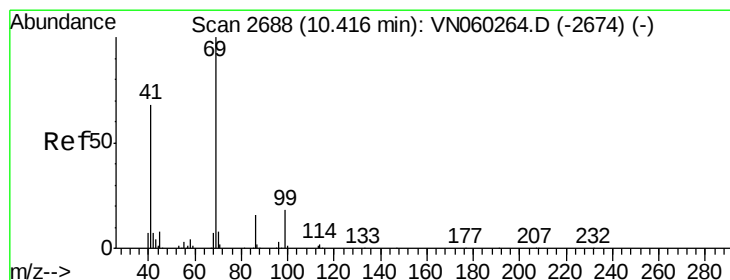
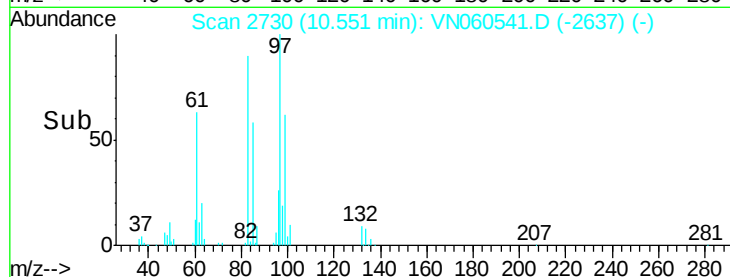
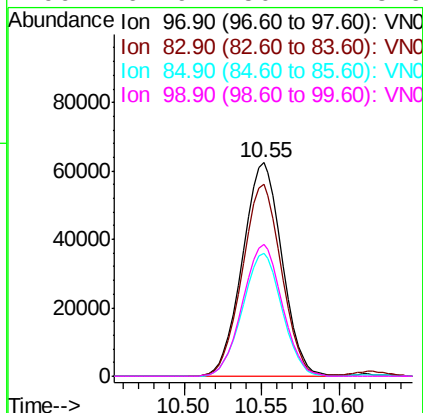
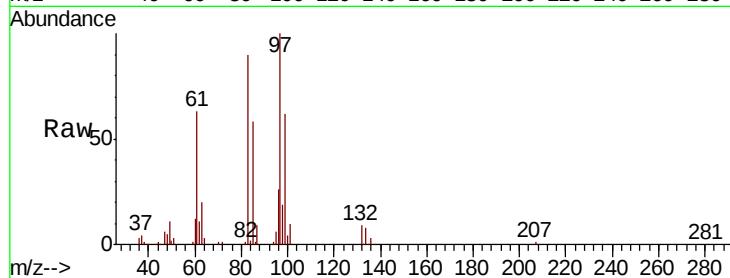




#55
 1,1,2-Trichloroethane
 Concen: 47.297 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

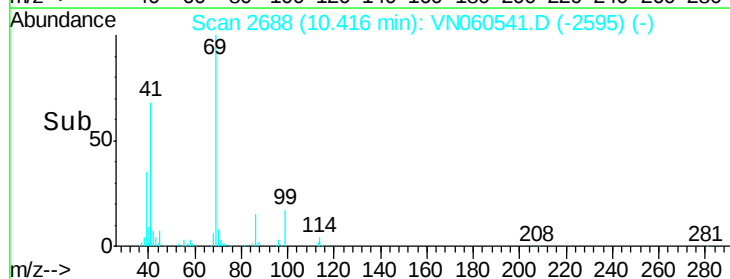
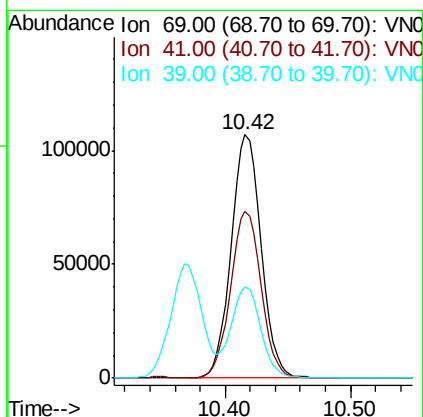
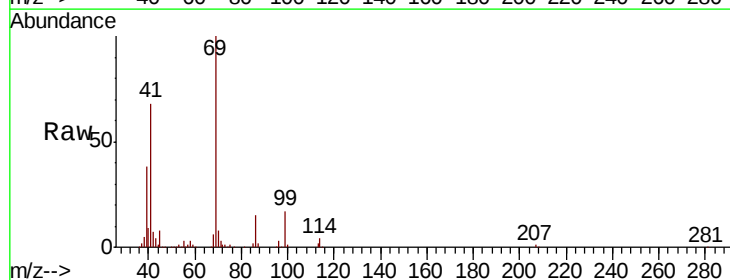
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 111358
 Ion Ratio Lower Upper
 97 100
 83 89.7 70.0 105.0
 85 57.8 44.0 66.0
 99 61.9 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 52.399 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion: 69 Resp: 177240
 Ion Ratio Lower Upper
 69 100
 41 69.1 54.1 81.1
 39 37.2 32.5 48.7





#57

1,3-Dichloropropane

Concen: 49.807 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

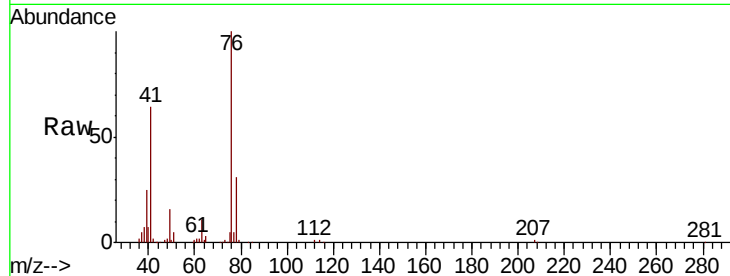
VSTDCCC050EC

Tot Ion: 76 Resp: 191243

Ion Ratio Lower Upper

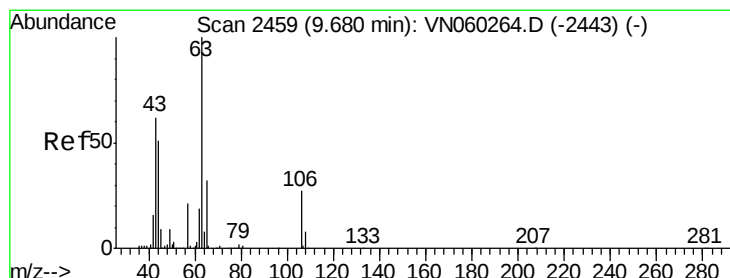
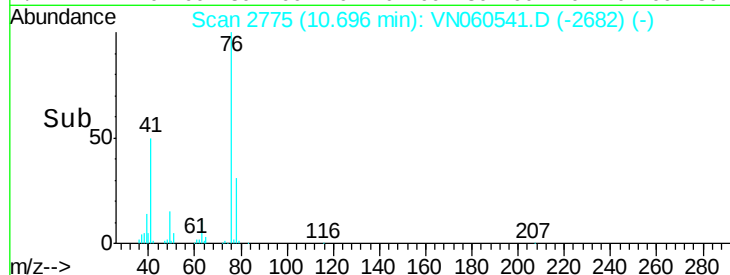
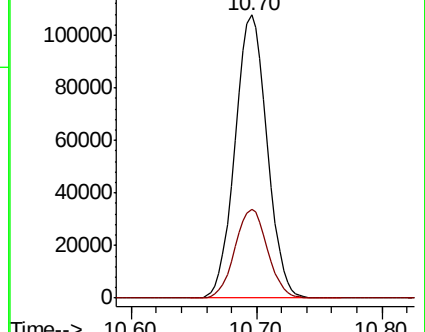
76 100

78 31.9 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN060541.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060541.D (-2682) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 251.951 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN060541.D

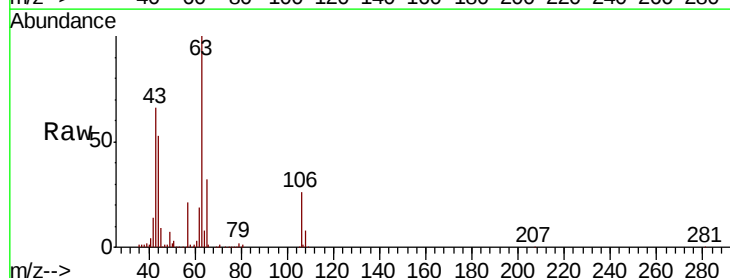
Acq: 16 Mar 2020 22:01

Tgt Ion: 63 Resp: 445721

Ion Ratio Lower Upper

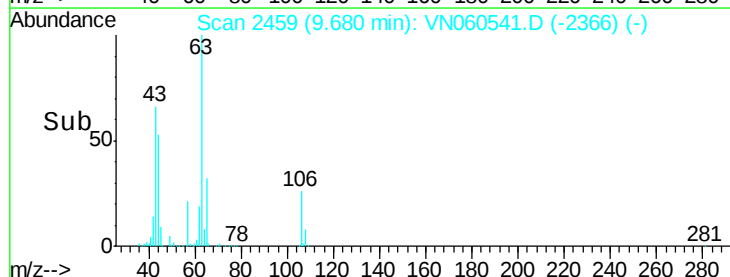
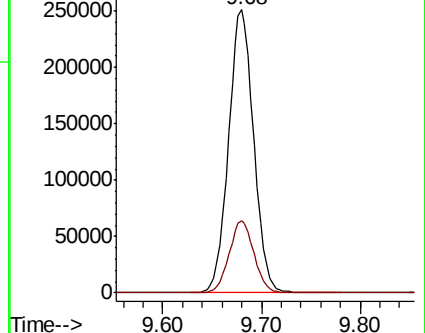
63 100

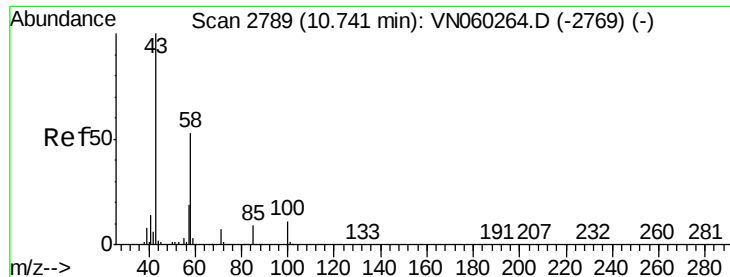
106 25.3 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN060541.D (-2366) (-)

Ion 105.90 (105.60 to 106.60): VN060541.D (-2366) (-)

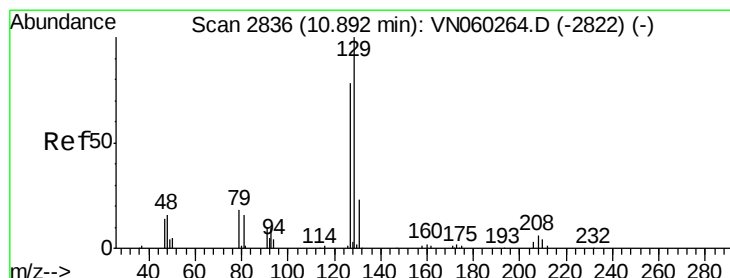
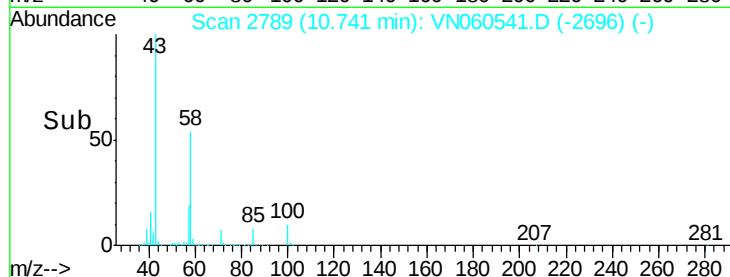
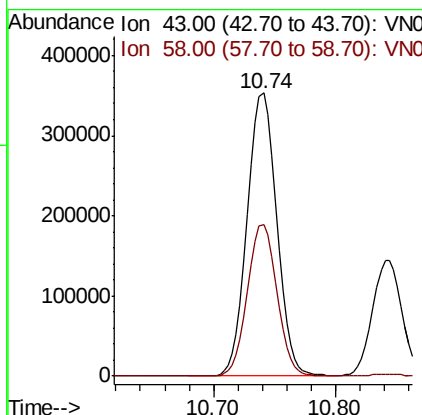
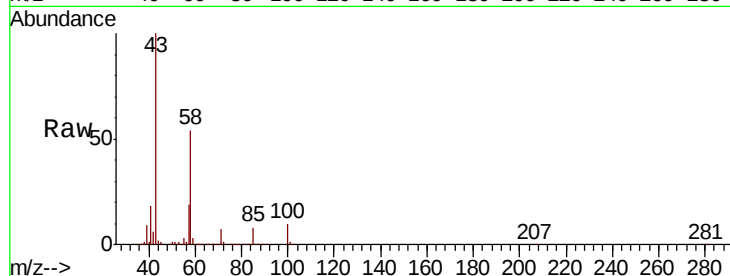




#59
2-Hexanone
Concen: 266.889 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

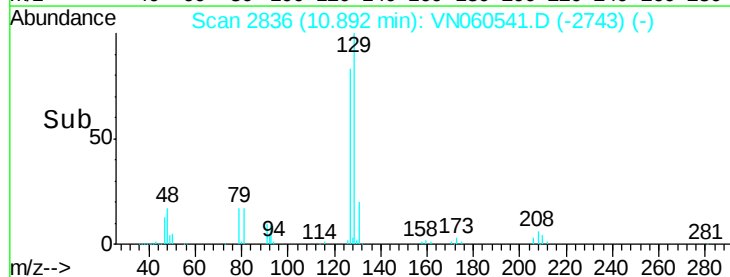
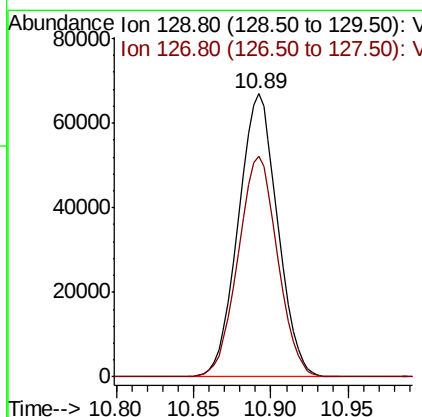
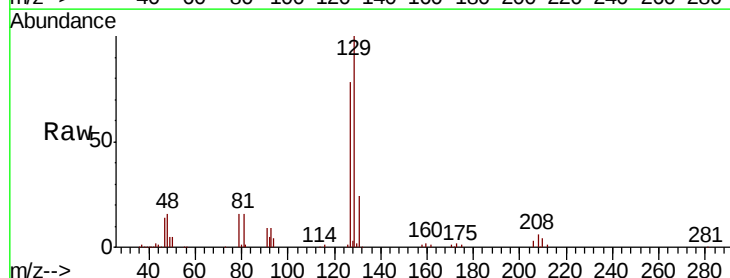
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 589773
Ion Ratio Lower Upper
43 100
58 53.5 26.5 79.5



#60
Dibromochloromethane
Concen: 49.271 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion: 129 Resp: 117973
Ion Ratio Lower Upper
129 100
127 78.5 38.9 116.7

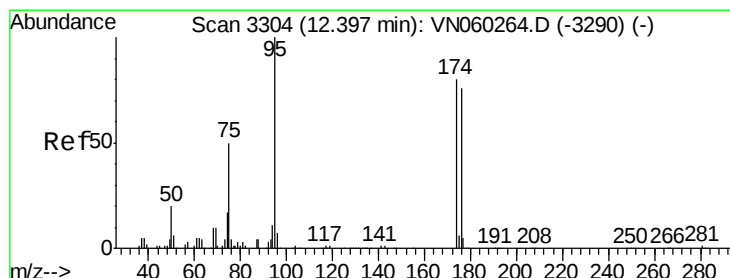
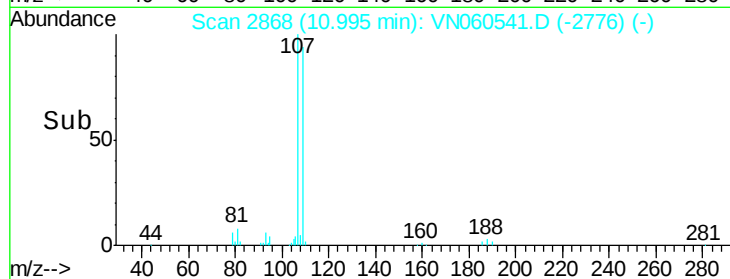
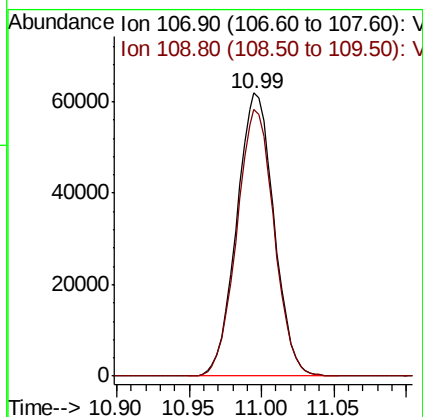
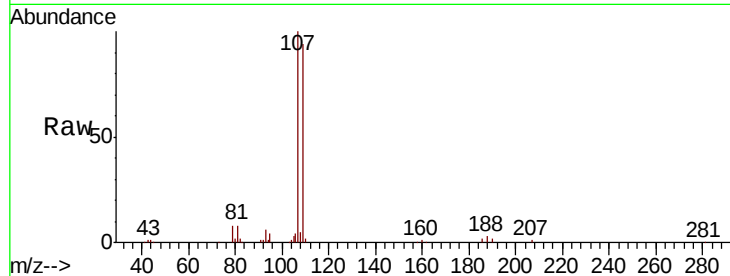




#61
 1,2-Dibromoethane
 Concen: 48.215 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

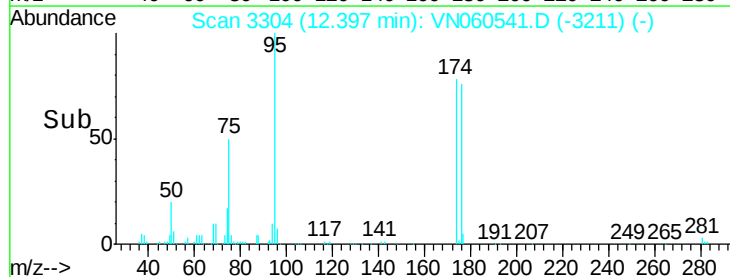
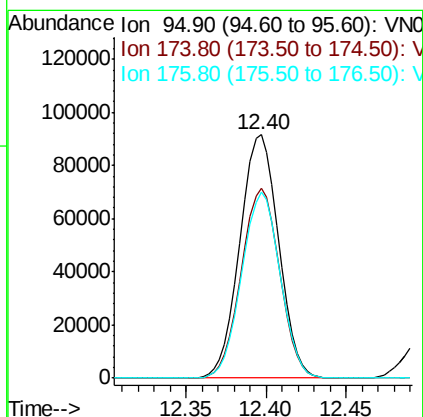
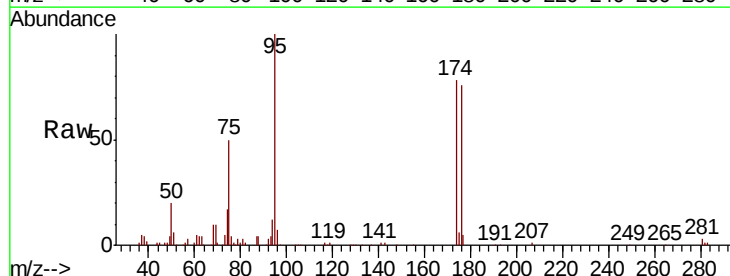
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 110661
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.8 115.2



#62
 4-Bromofluorobenzene
 Concen: 50.541 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion: 95 Resp: 151230
 Ion Ratio Lower Upper
 95 100
 174 77.5 0.0 159.2
 176 75.7 0.0 153.8

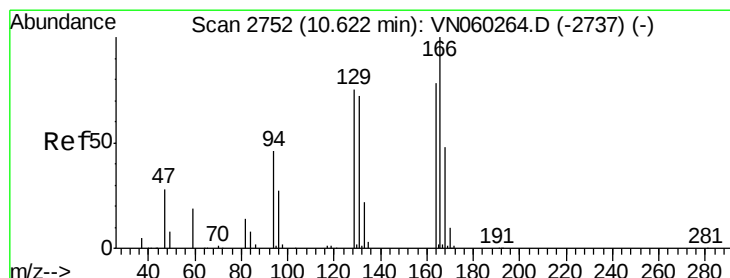
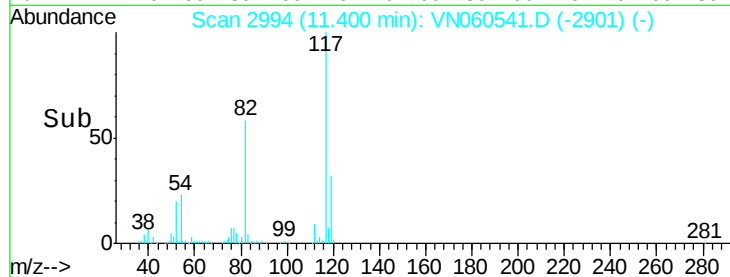
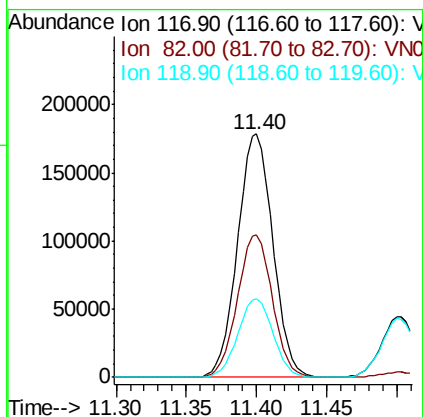
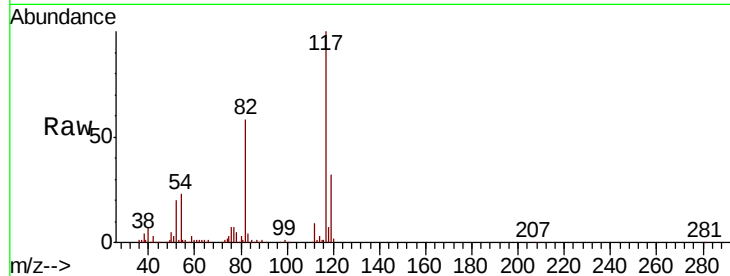




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

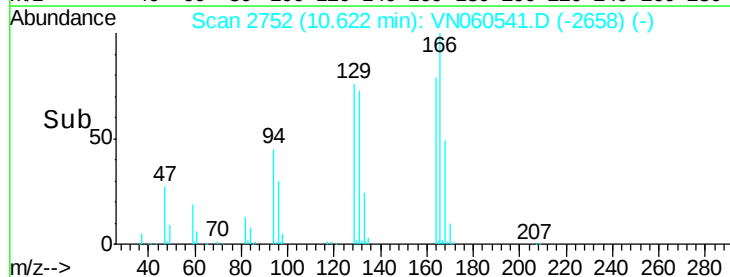
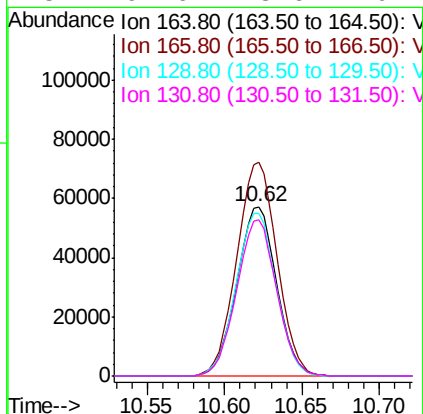
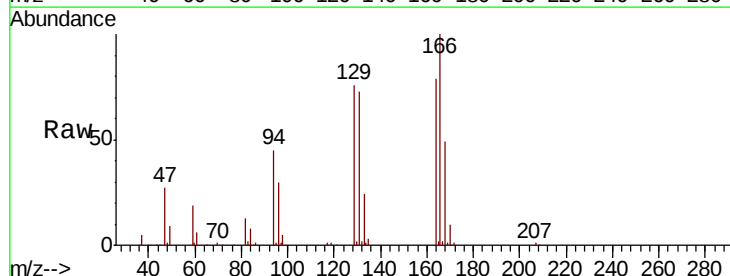
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

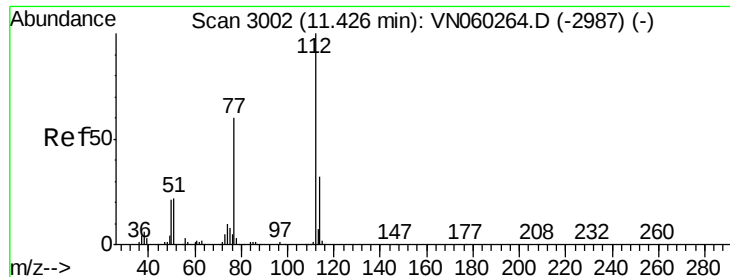
Tot Ion:117 Resp: 313817
Ion Ratio Lower Upper
117 100
82 58.5 45.8 68.6
119 32.2 25.8 38.8



#64
Tetrachloroethene
Concen: 41.093 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion:164 Resp: 102156
Ion Ratio Lower Upper
164 100
166 126.3 102.0 153.0
129 96.5 76.4 114.6
131 92.6 73.6 110.4

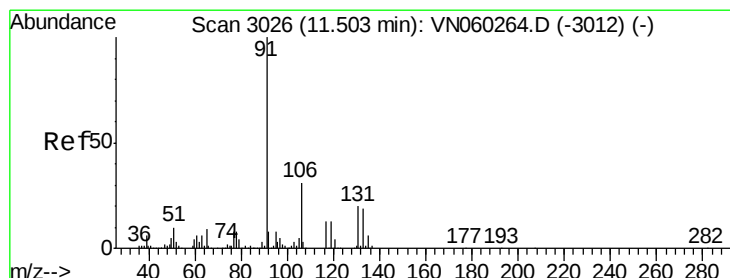
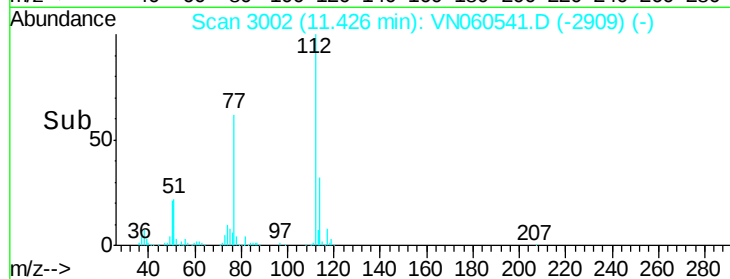
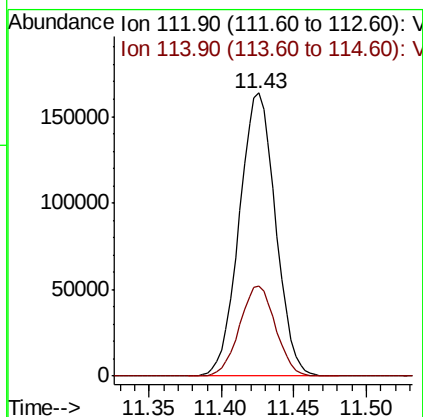
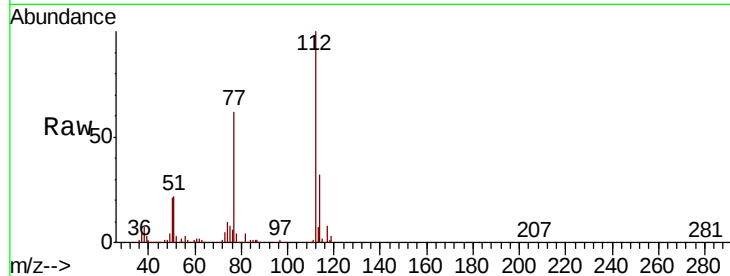




#65
Chlorobenzene
Concen: 44.885 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

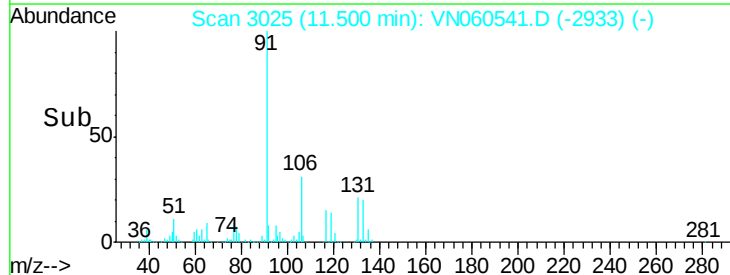
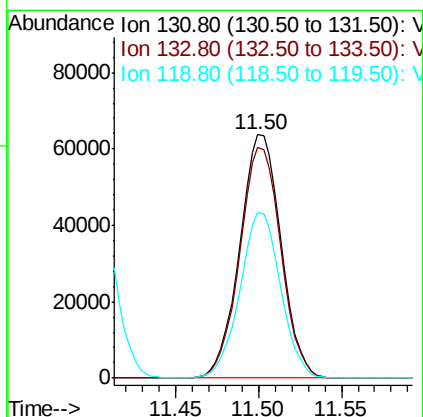
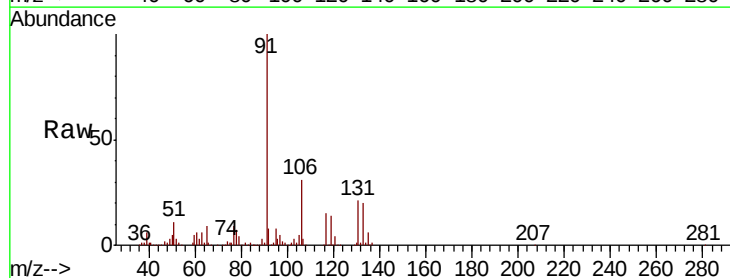
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

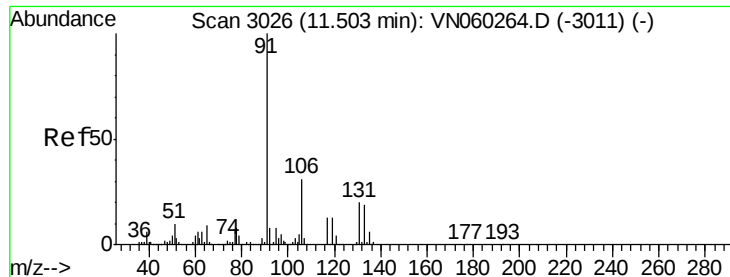
Tot Ion:112 Resp: 284424
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 47.112 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion:131 Resp: 110382
Ion Ratio Lower Upper
131 100
133 95.0 47.7 143.1
119 67.2 33.2 99.6

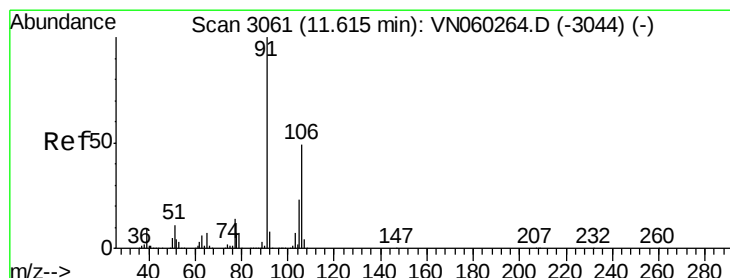
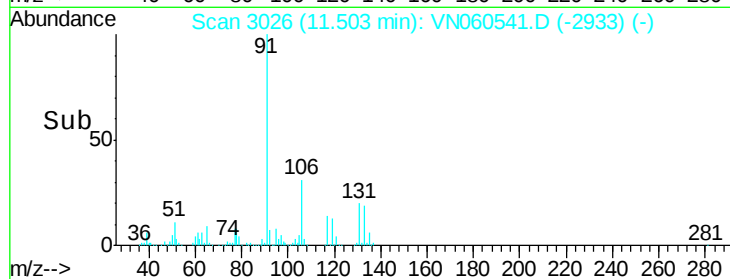
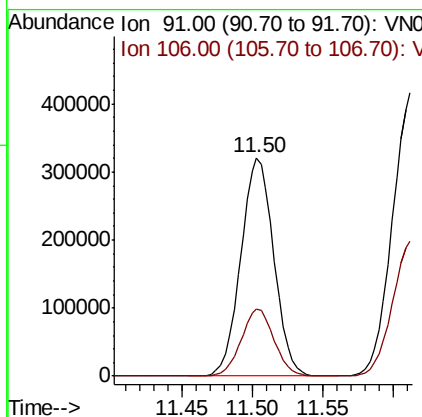
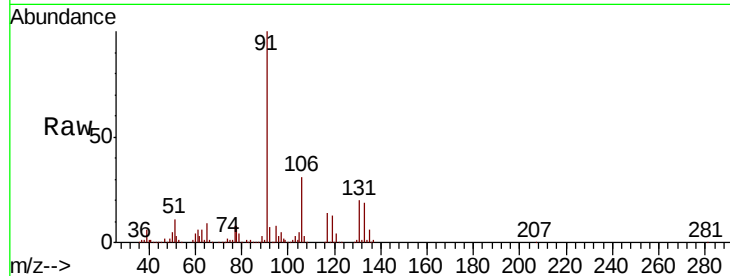




#67
Ethyl Benzene
Concen: 45.512 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

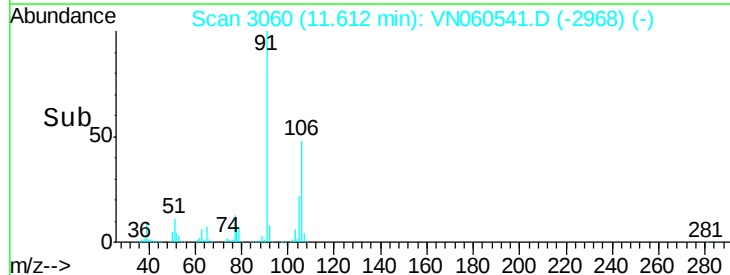
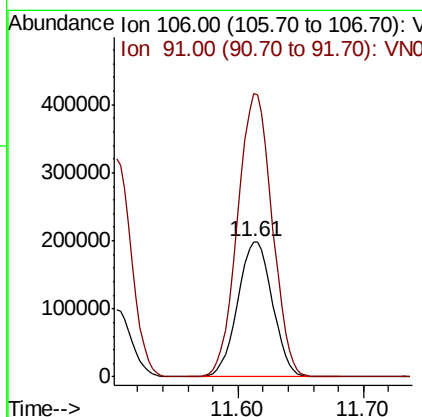
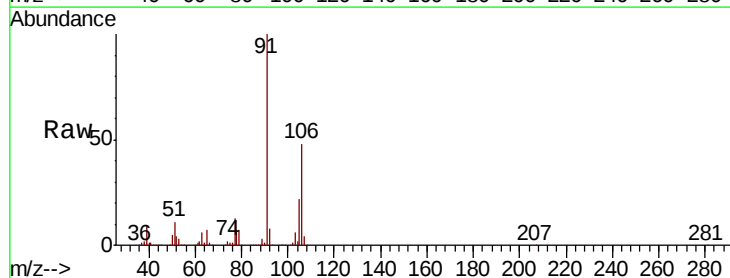
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 525194
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1



#68
m/p-Xylenes
Concen: 87.708 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion: 106 Resp: 381869
Ion Ratio Lower Upper
106 100
91 209.2 164.5 246.7

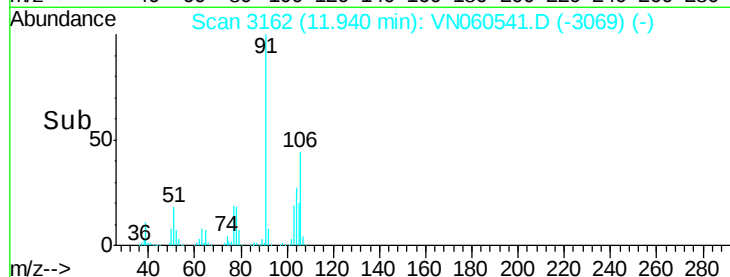
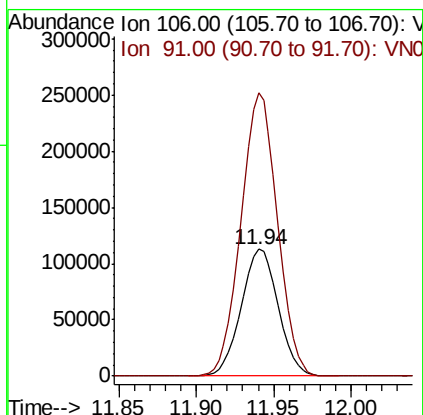
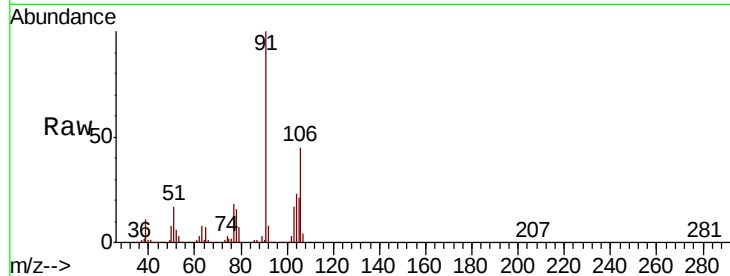




#69
o-Xylene
Concen: 45.154 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

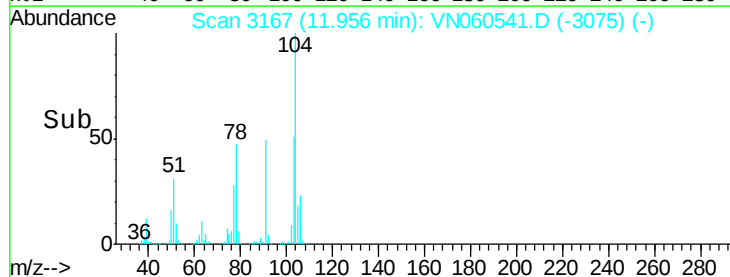
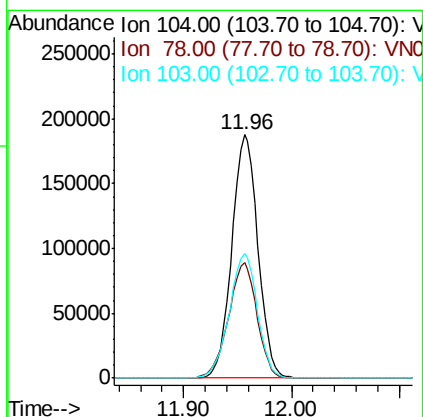
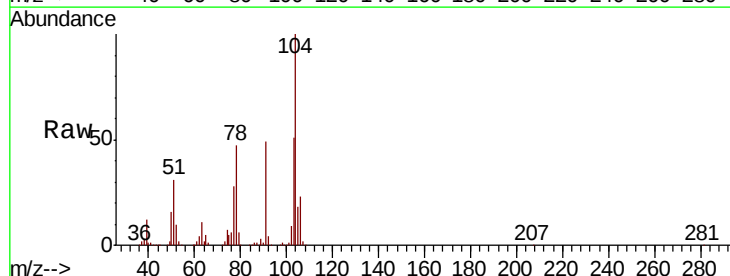
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

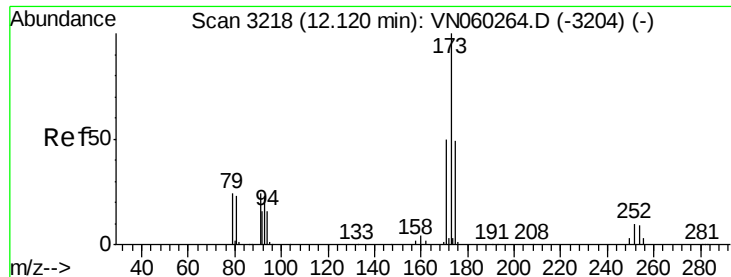
Tot Ion:106 Resp: 187469
Ion Ratio Lower Upper
106 100
91 220.2 109.5 328.4



#70
Styrene
Concen: 46.128 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion:104 Resp: 314876
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 55.3 43.9 65.9





#71

Bromoform

Concen: 51.147 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

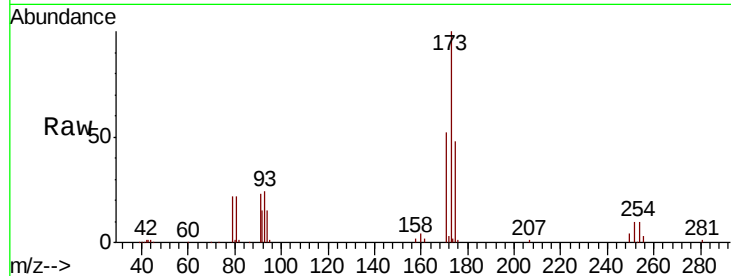
Tot Ion:173 Resp: 86367

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.2

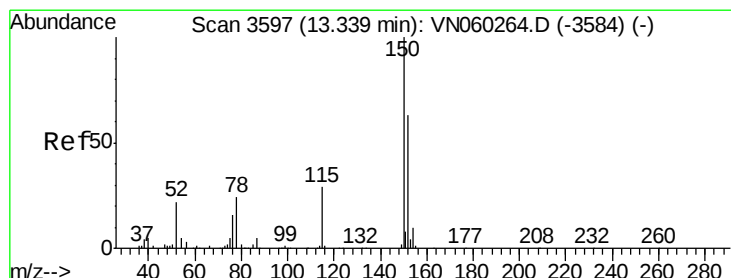
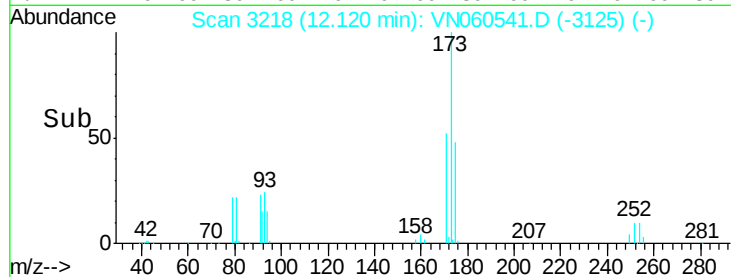
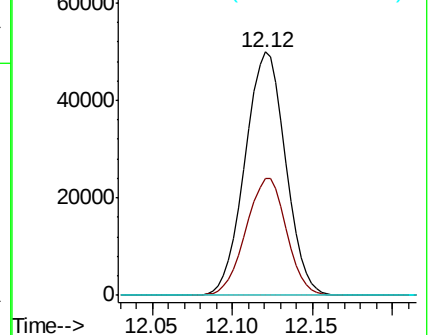
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

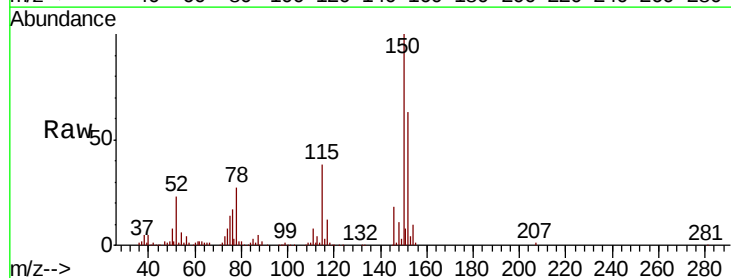
Tgt Ion:152 Resp: 150952

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

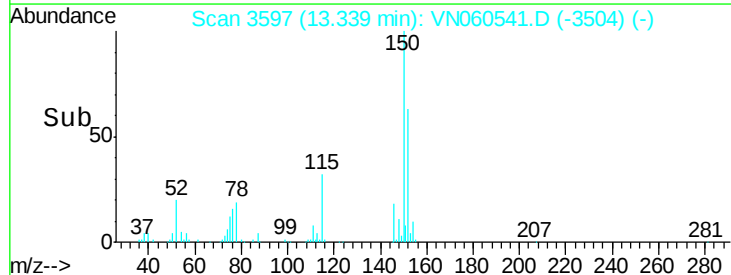
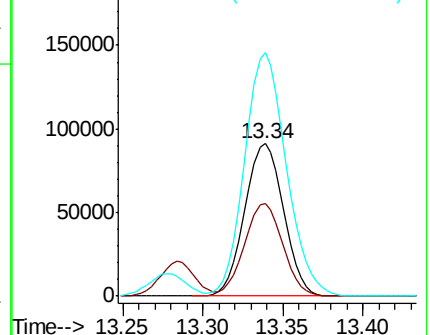
150 171.9 0.0 349.6

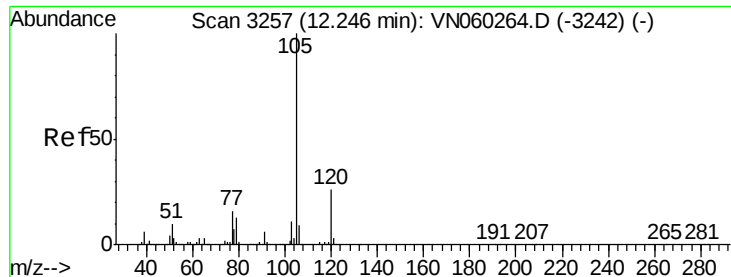


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.208 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

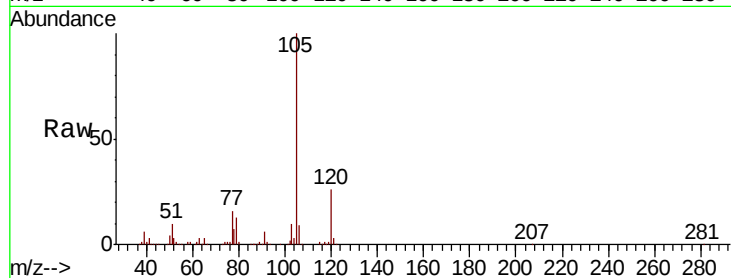
VSTDCCC050EC

Tot Ion:105 Resp: 505804

Ion Ratio Lower Upper

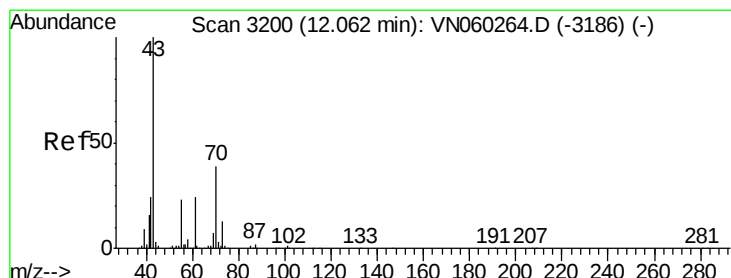
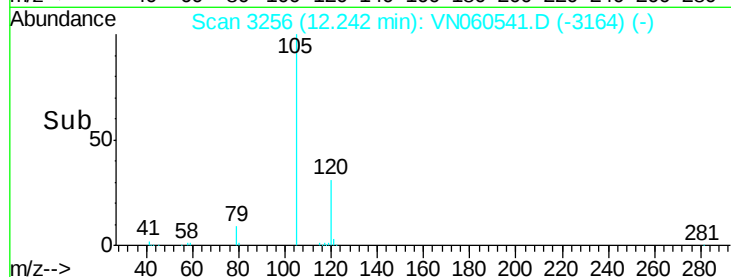
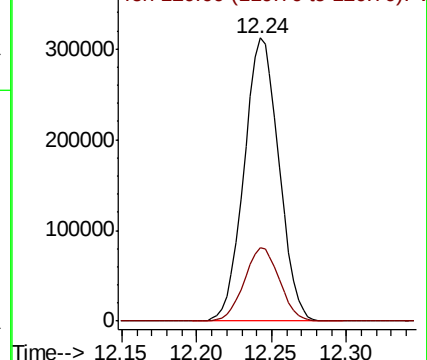
105 100

120 26.0 13.0 38.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.588 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Tgt Ion: 43 Resp: 242438

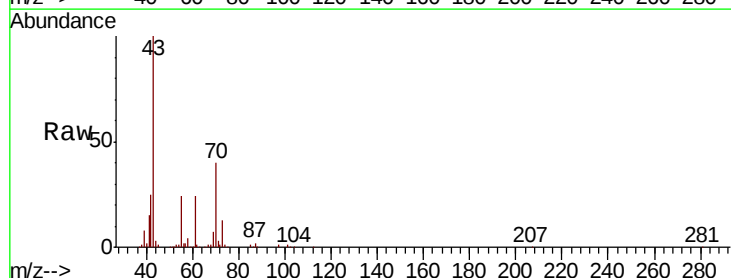
Ion Ratio Lower Upper

43 100

70 39.7 32.2 48.2

55 24.1 18.2 27.4

61 23.8 19.2 28.8

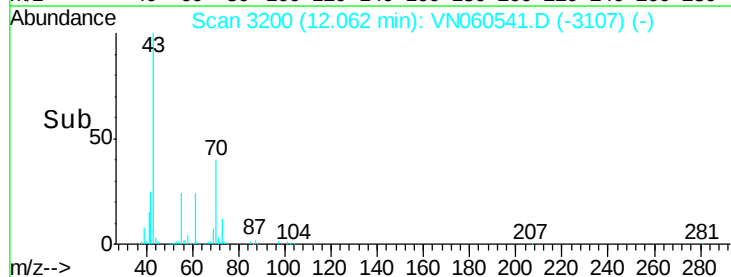
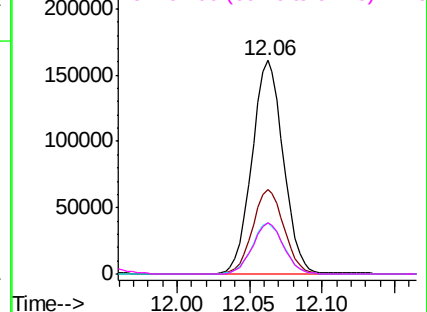


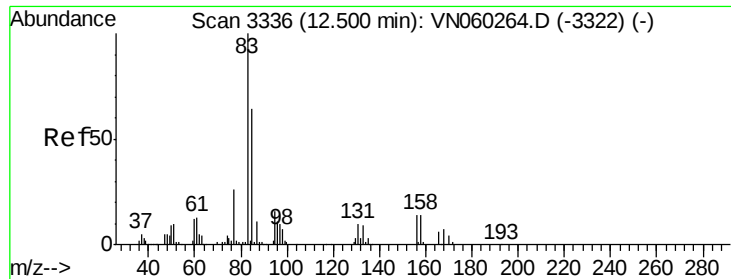
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 54.323 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

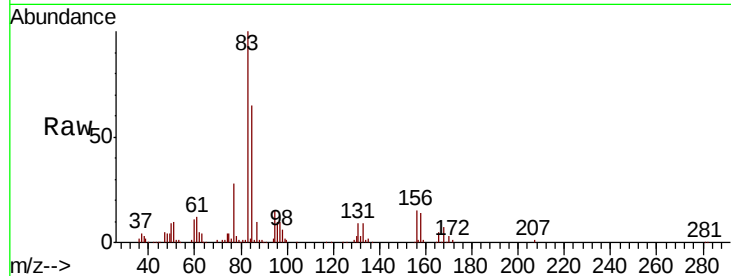
Tot Ion: 83 Resp: 165213

Ion Ratio Lower Upper

83 100

131 9.3 5.1 15.3

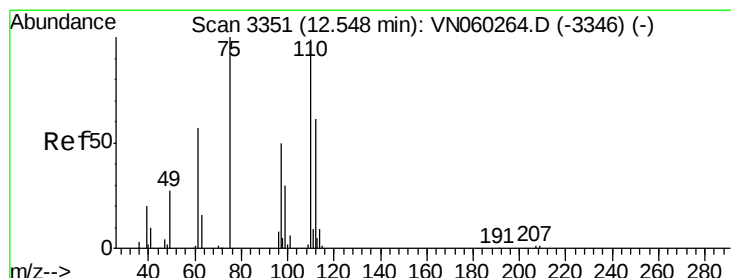
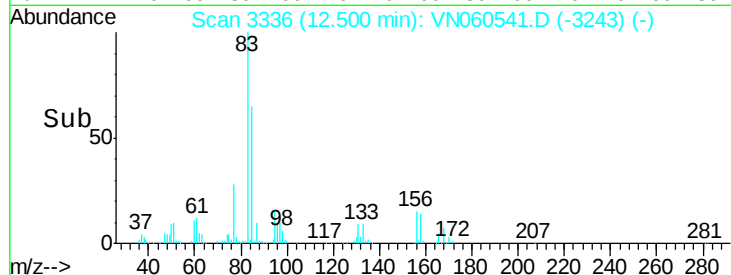
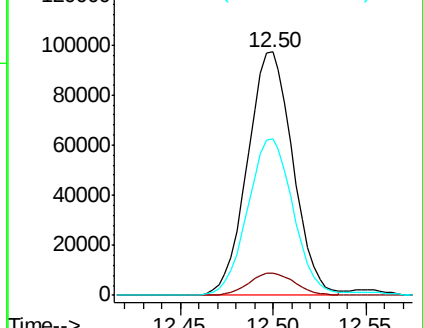
85 64.5 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 65.713 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060541.D

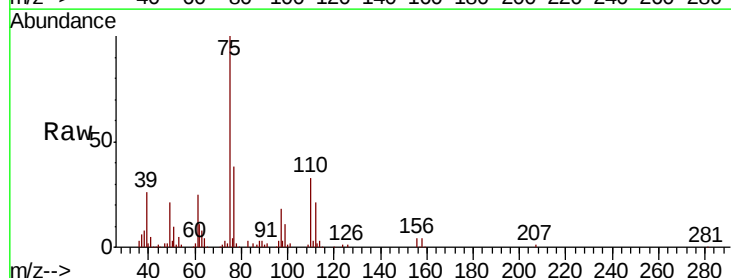
Acq: 16 Mar 2020 22:01

Tgt Ion: 75 Resp: 217636

Ion Ratio Lower Upper

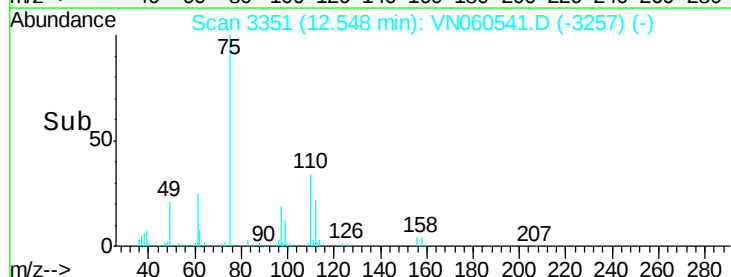
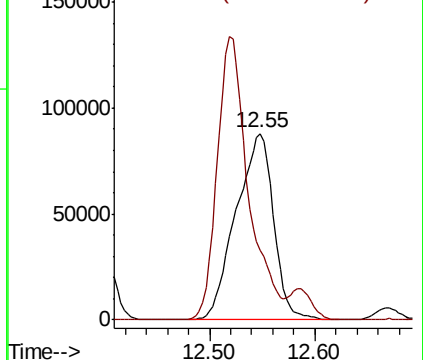
75 100

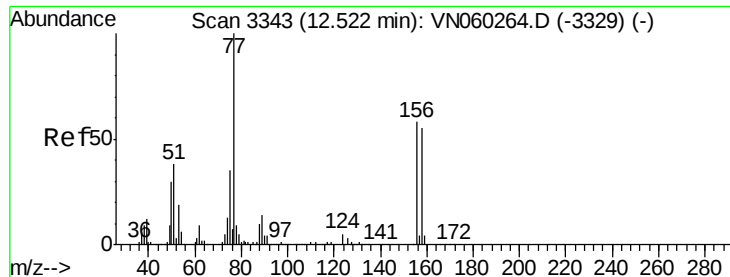
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 45.184 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

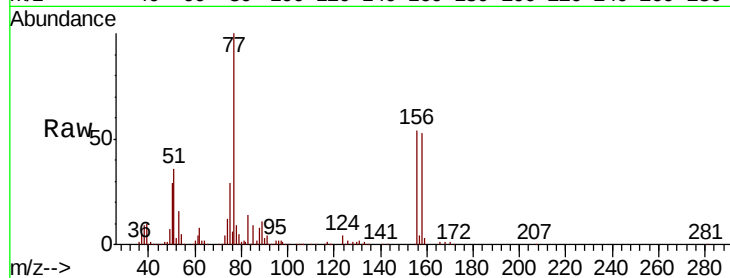
Tot Ion:156 Resp: 123919

Ion Ratio Lower Upper

156 100

77 221.8 106.1 318.3

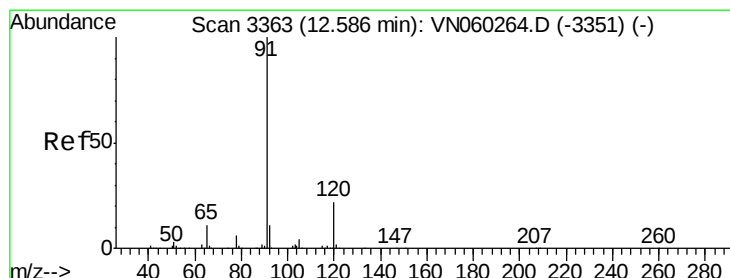
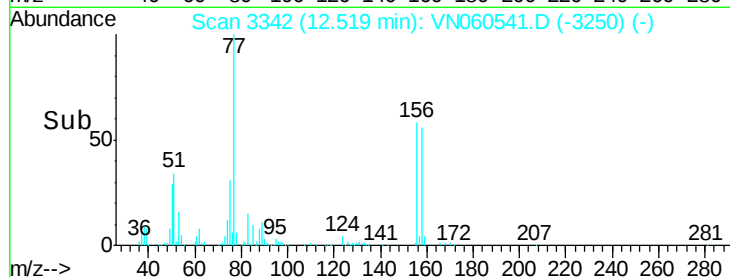
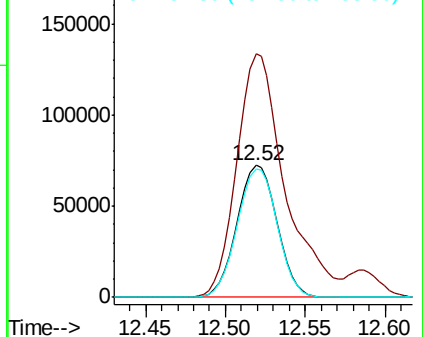
158 97.1 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 45.203 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060541.D

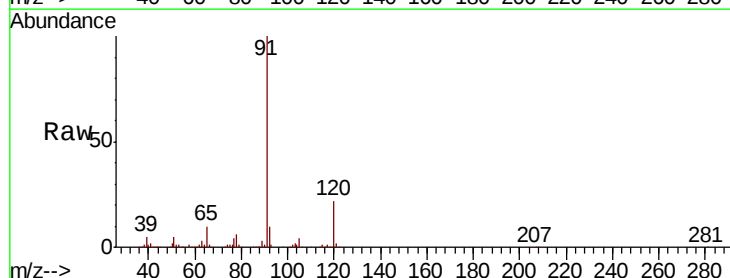
Acq: 16 Mar 2020 22:01

Tgt Ion: 91 Resp: 592826

Ion Ratio Lower Upper

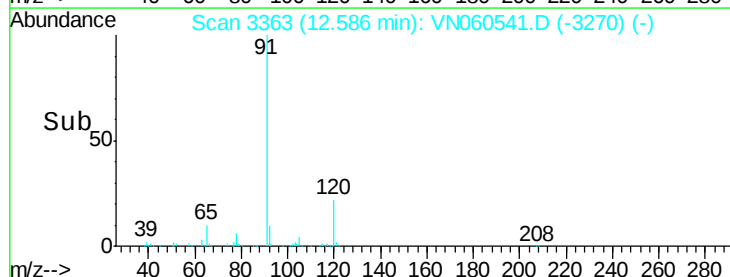
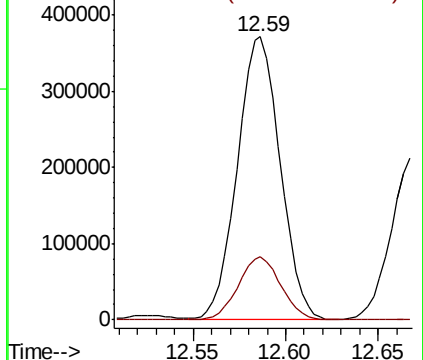
91 100

120 22.1 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.690 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

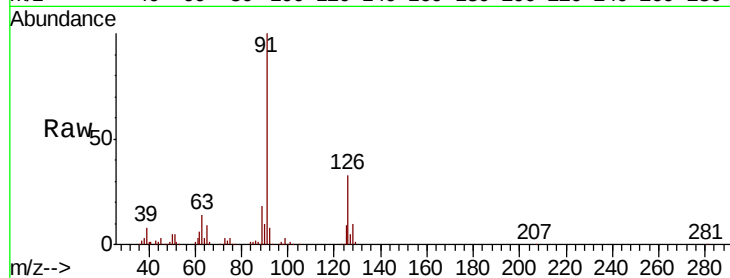
VSTDCCC050EC

Tot Ion: 91 Resp: 352232

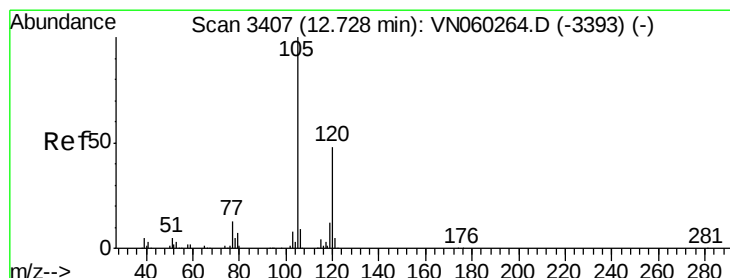
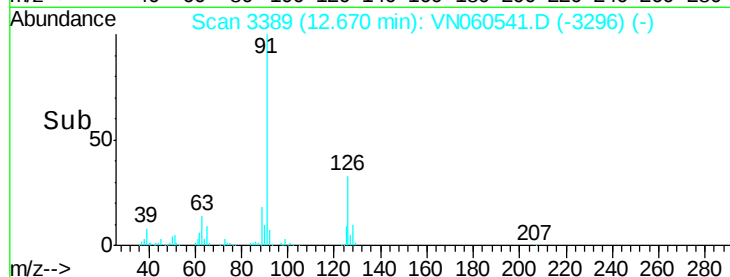
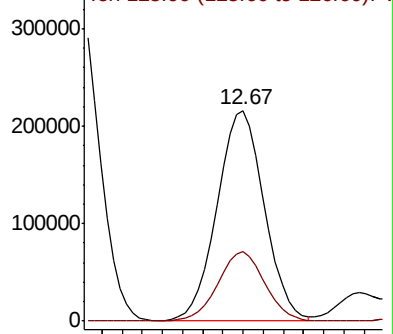
Ion Ratio Lower Upper

91 100

126 32.9 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN060541.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.127 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060541.D

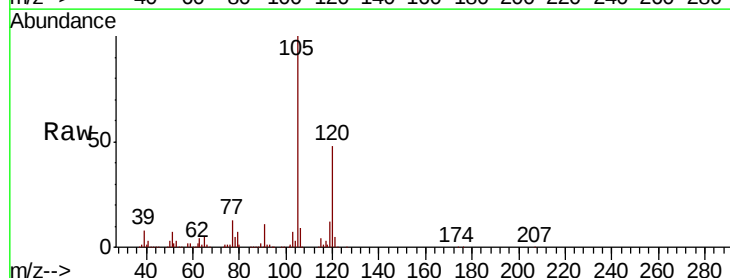
Acq: 16 Mar 2020 22:01

Tgt Ion: 105 Resp: 425097

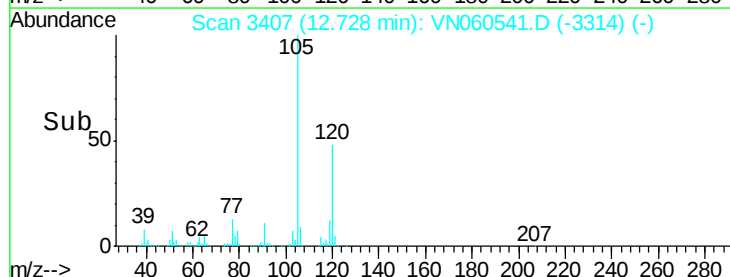
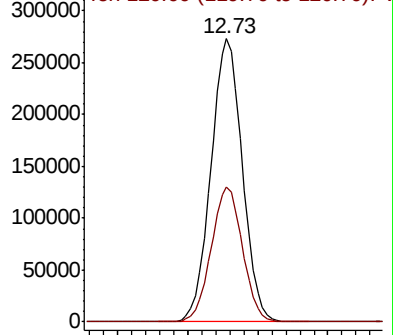
Ion Ratio Lower Upper

105 100

120 47.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060541.D (-3393) (-)

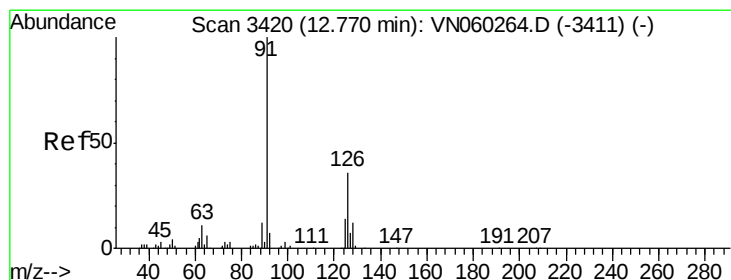
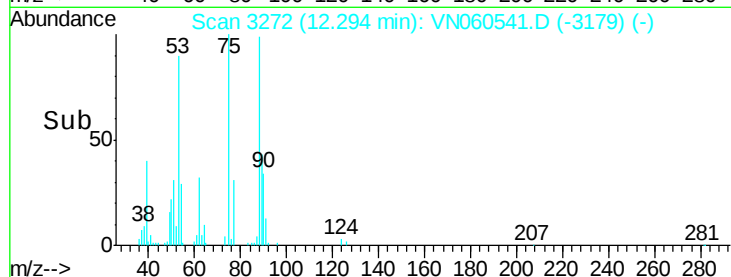
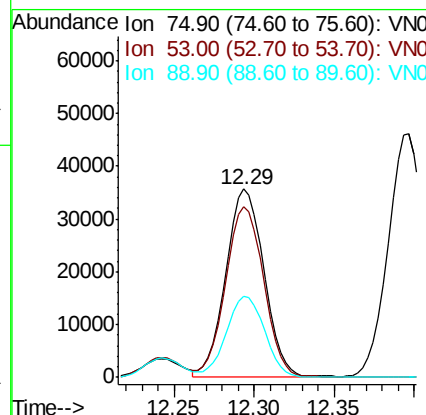
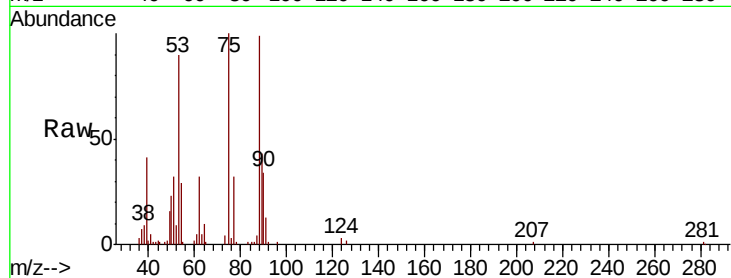




#81
trans-1,4-Dichloro-2-butene
Concen: 48.902 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

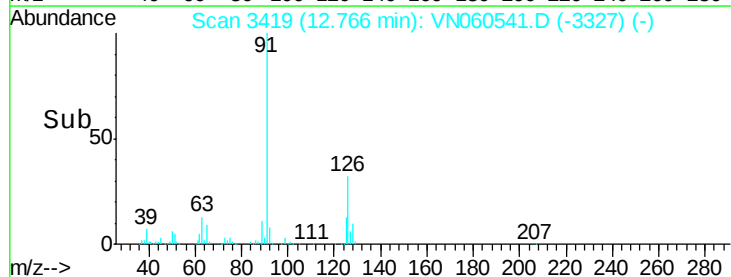
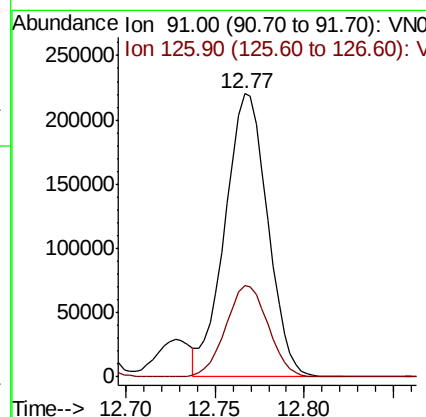
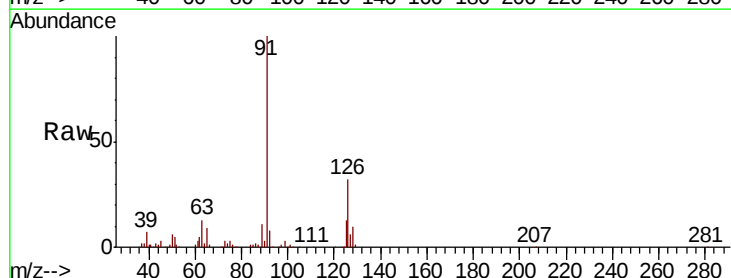
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

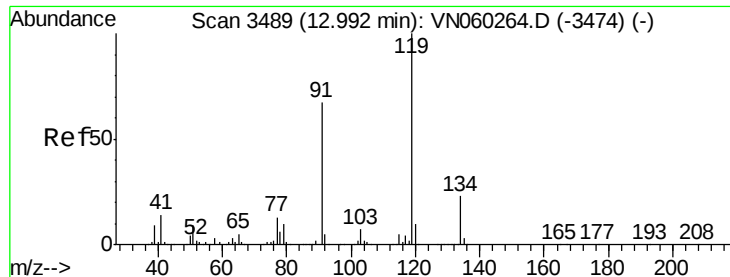
Tot Ion: 75 Resp: 58671
Ion Ratio Lower Upper
75 100
53 90.6 73.8 110.6
89 43.0 57.1 85.7#



#82
4-Chlorotoluene
Concen: 44.908 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion: 91 Resp: 364753
Ion Ratio Lower Upper
91 100
126 32.1 16.7 50.1

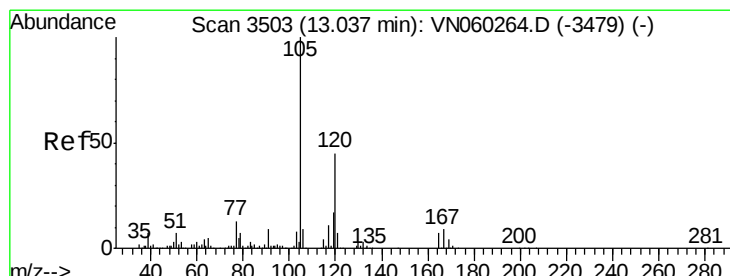
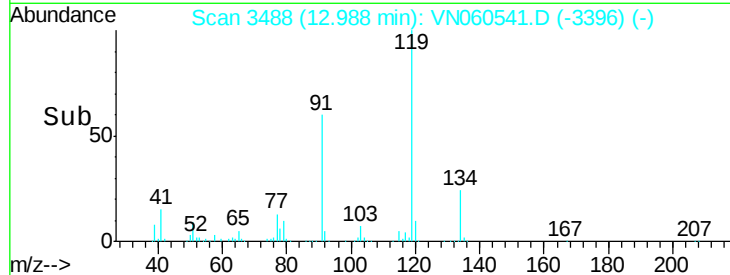
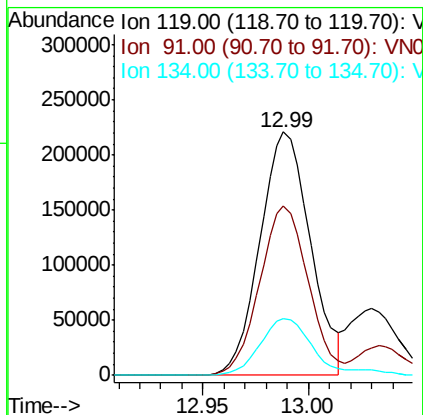
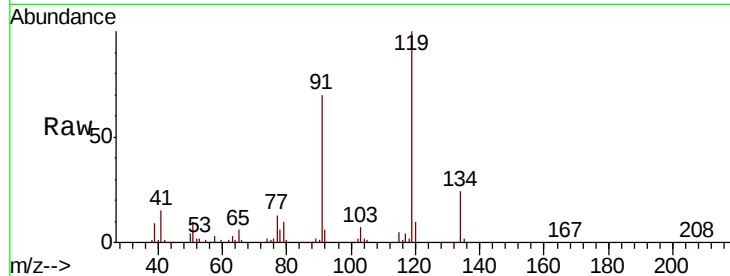




#83
 tert-Butylbenzene
 Concen: 45.082 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

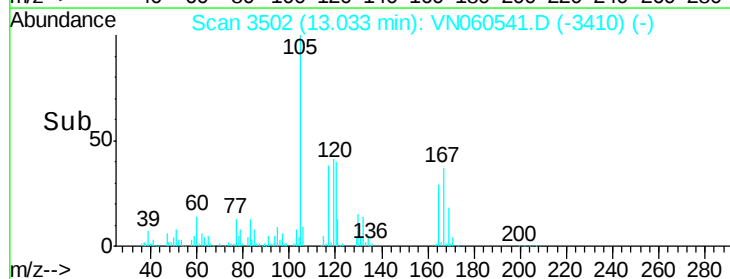
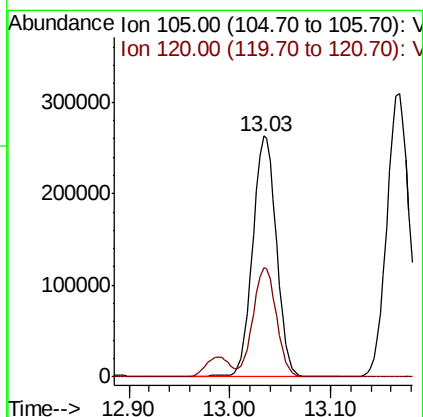
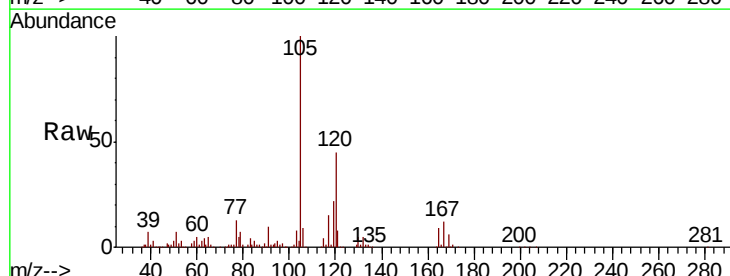
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

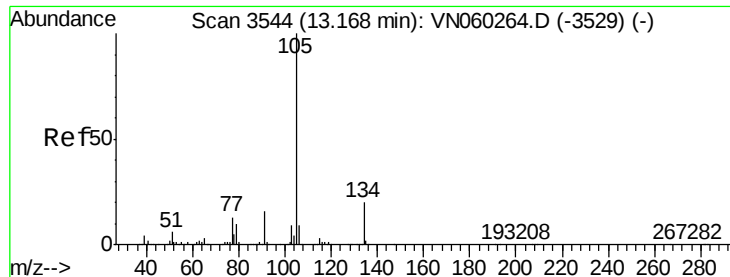
Tot Ion:119 Resp: 367684
 Ion Ratio Lower Upper
 119 100
 91 67.3 33.1 99.2
 134 25.0 12.4 37.0



#84
 1,2,4-Trimethylbenzene
 Concen: 44.694 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion:105 Resp: 424960
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.3 66.9





#85

sec-Butylbenzene

Concen: 44.587 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

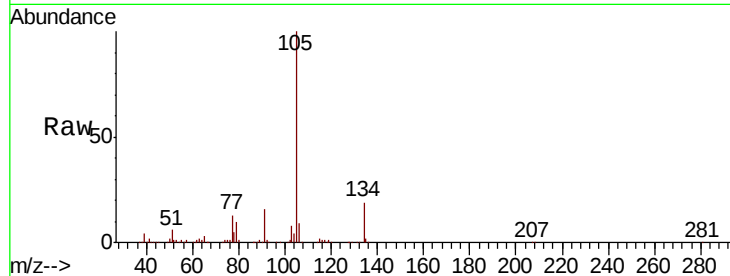
VSTDCCC050EC

Tot Ion:105 Resp: 486961

Ion Ratio Lower Upper

105 100

134 19.2 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

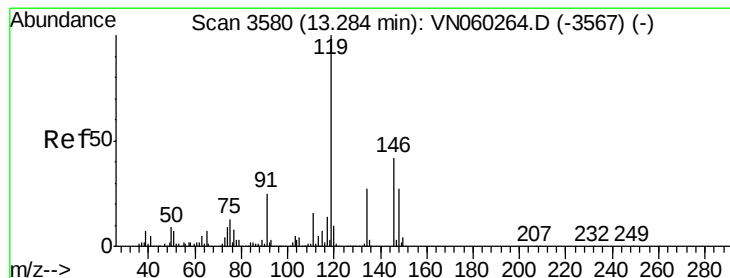
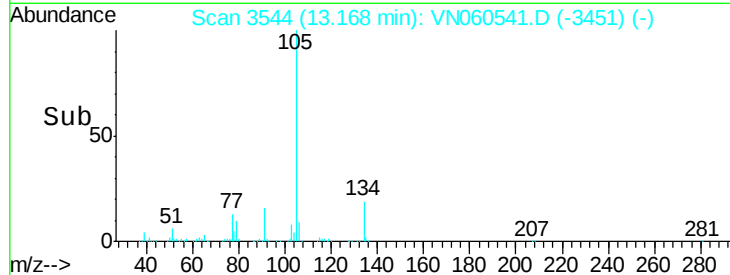
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 42.438 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

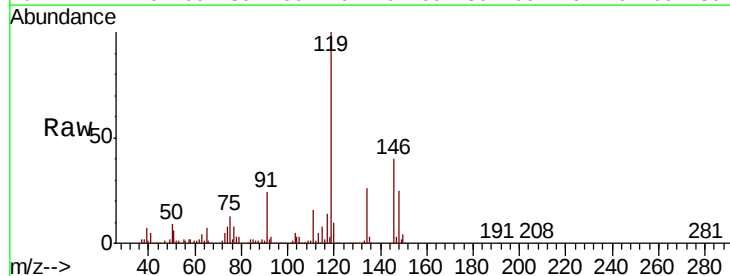
Tgt Ion:119 Resp: 428996

Ion Ratio Lower Upper

119 100

134 26.2 13.2 39.6

91 24.2 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.28

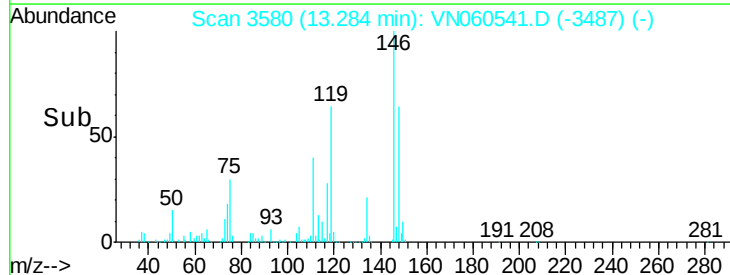
300000

200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 46.061 ug/l

RT: 13.28 min Scan# 3578

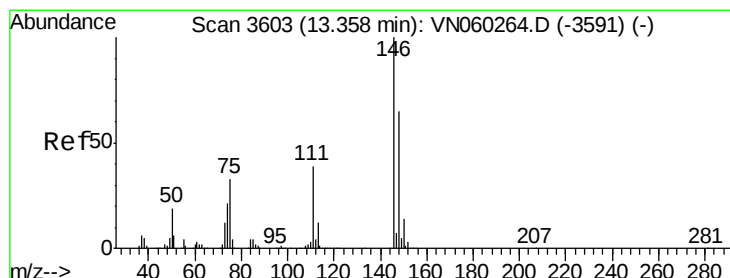
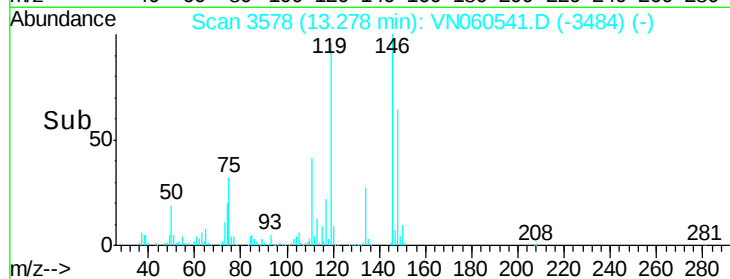
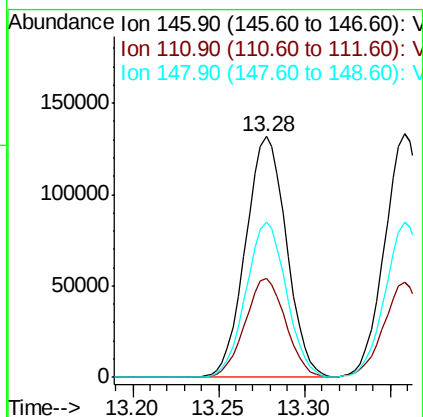
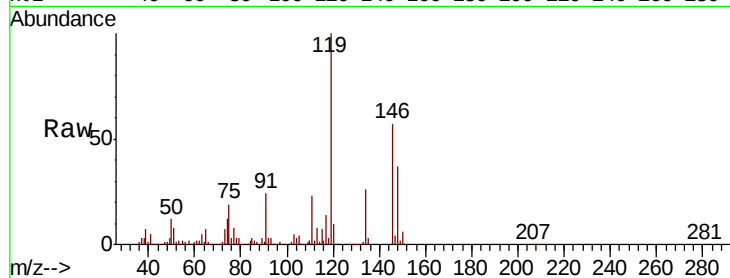
Delta R.T. 0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	59.9
148	63.7	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 46.179 ug/l

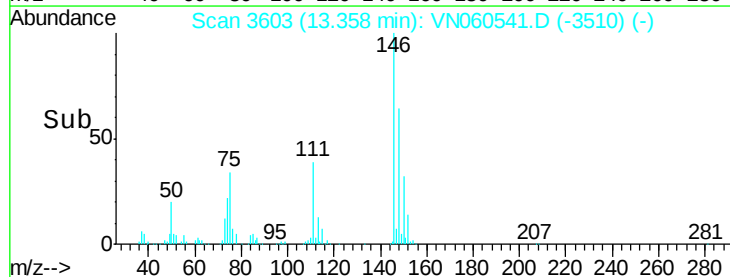
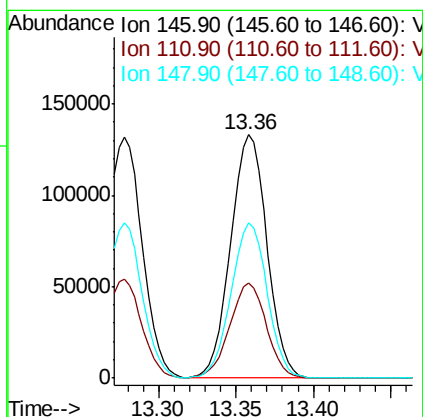
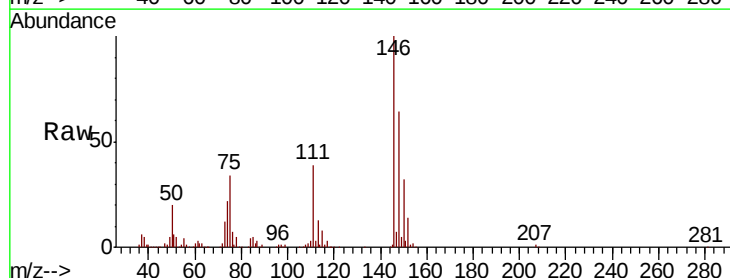
RT: 13.36 min Scan# 3603

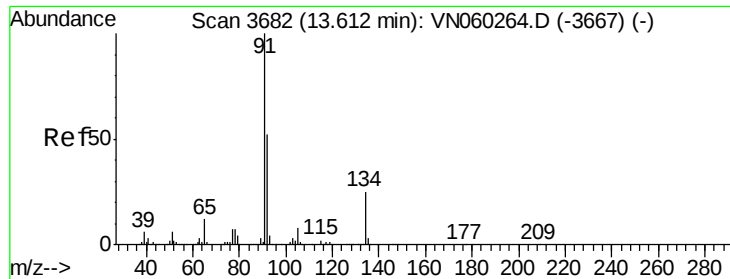
Delta R.T. 0.00 min

Lab File: VN060541.D

Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.4
148	63.6	32.3	96.9

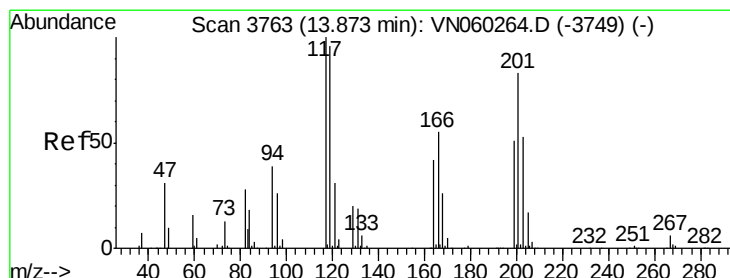
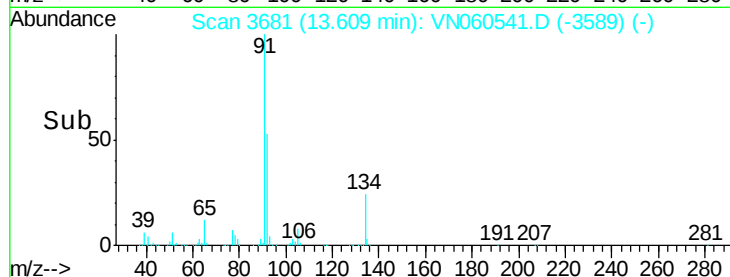
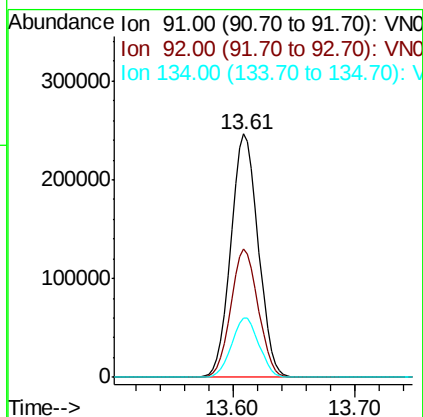
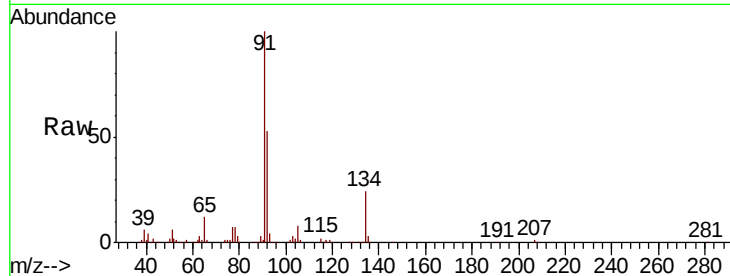




#89
n-Butylbenzene
Concen: 41.464 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

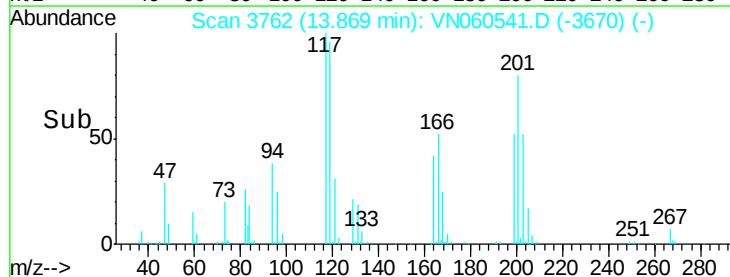
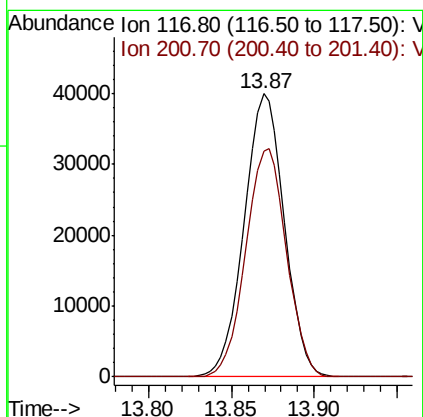
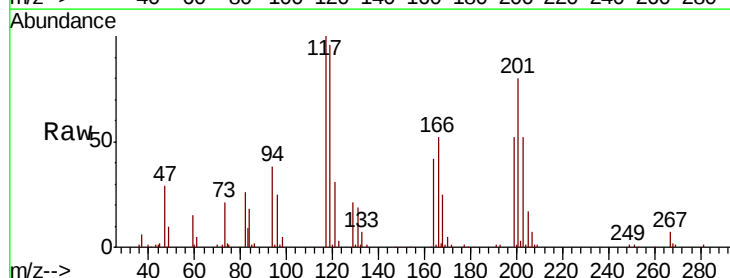
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 384768
Ion Ratio Lower Upper
91 100
92 52.6 26.0 78.0
134 24.5 12.7 38.1



#90
Hexachloroethane
Concen: 45.992 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion: 117 Resp: 67296
Ion Ratio Lower Upper
117 100
201 81.6 41.0 123.0

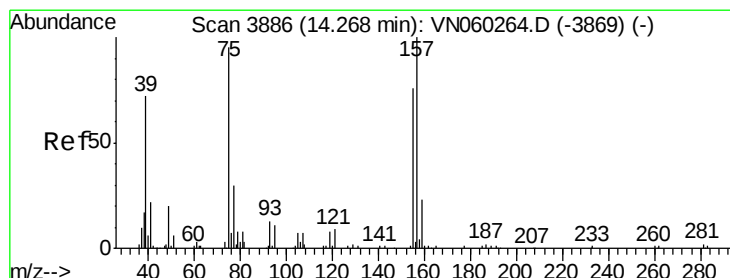
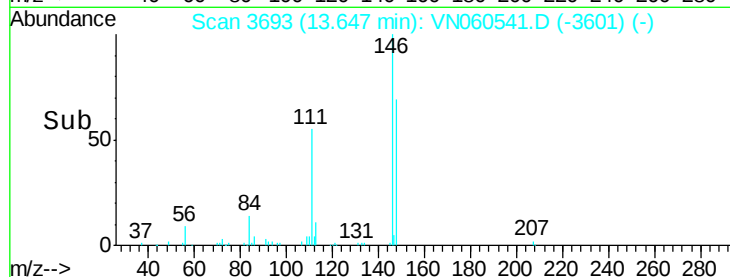
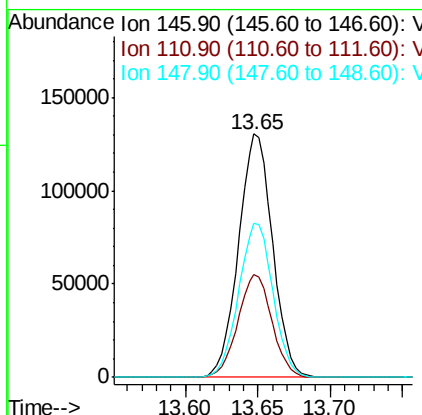
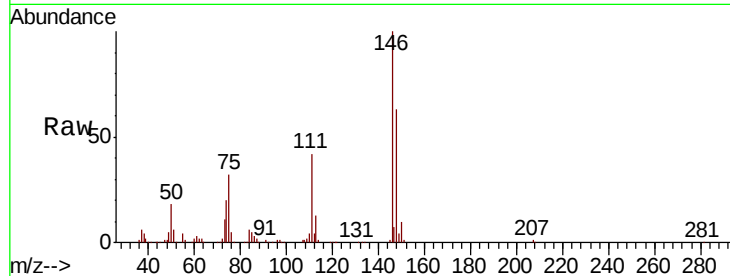




#91
 1,2-Dichlorobenzene
 Concen: 44.281 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

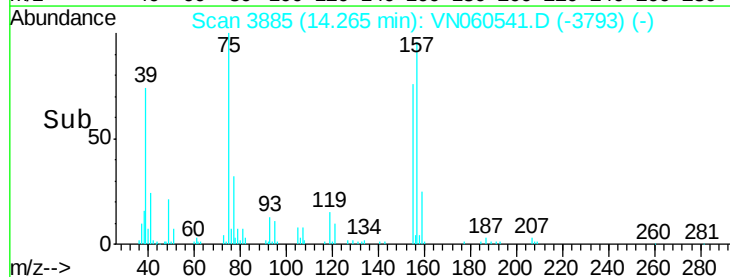
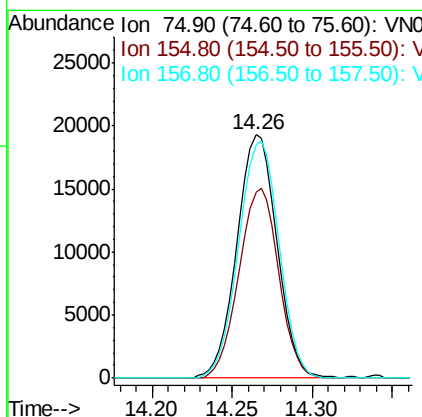
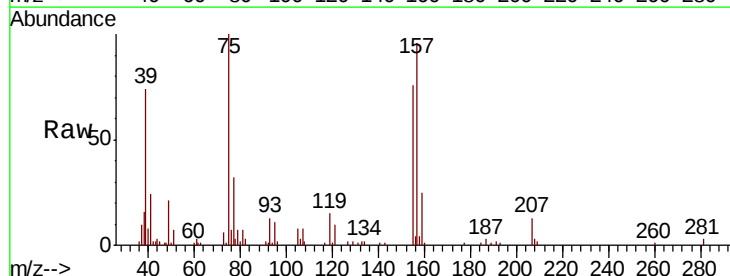
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.3	61.0
148	64.0	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.849 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	40.4	121.2
157	98.4	52.5	157.5

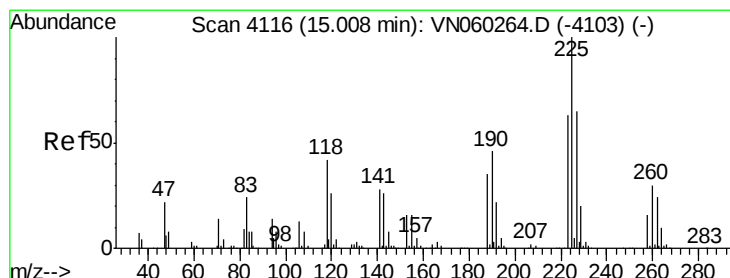
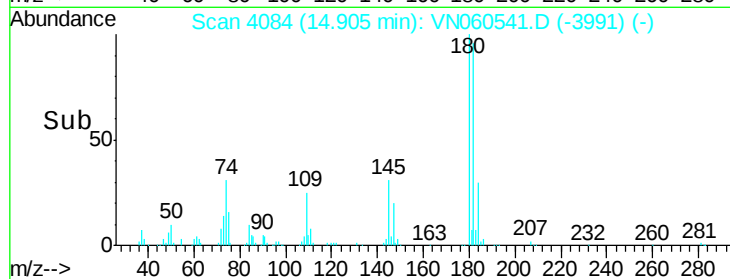
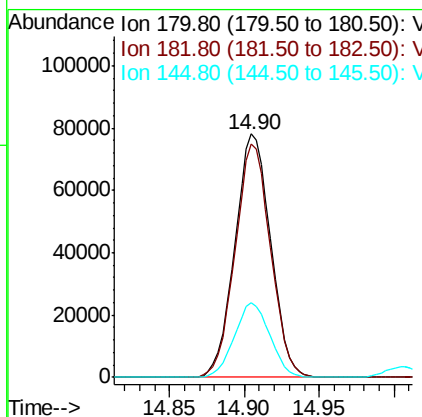
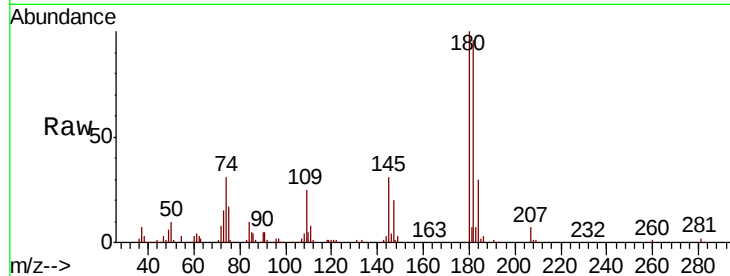




#93
 1,2,4-Trichlorobenzene
 Concen: 42.479 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

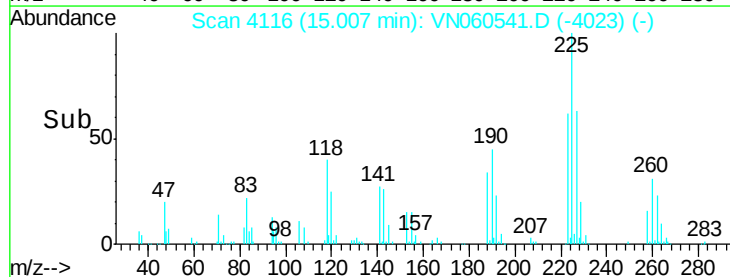
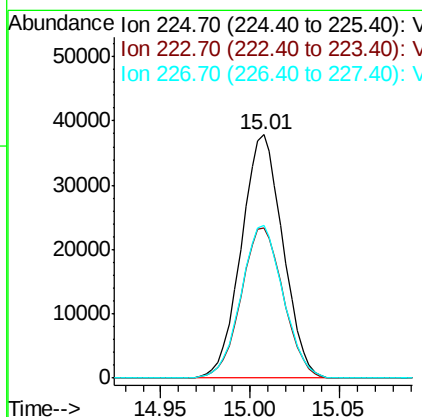
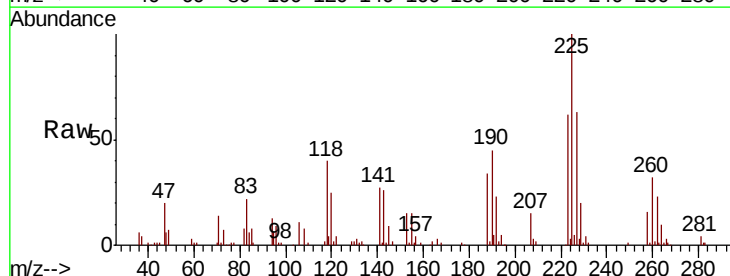
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 129674
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.8 143.3
 145 30.6 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 43.982 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060541.D
 Acq: 16 Mar 2020 22:01

Tgt Ion:225 Resp: 61834
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.3 93.9
 227 63.5 32.3 96.9

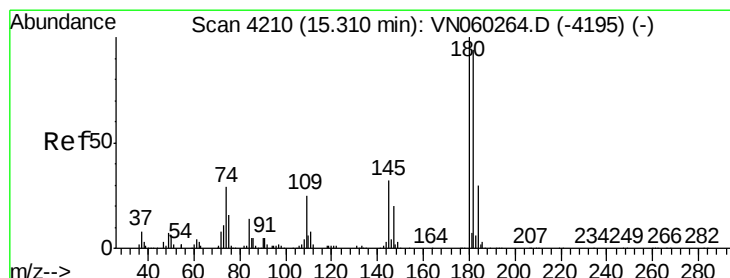
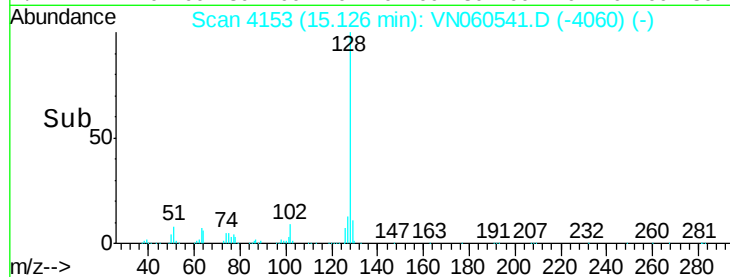
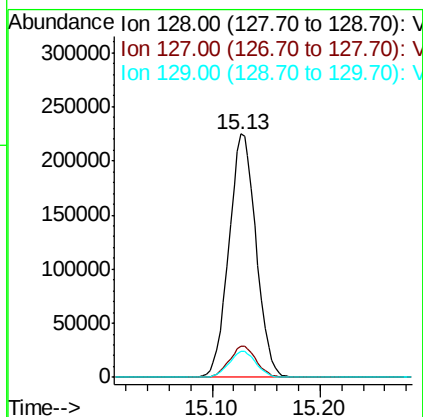
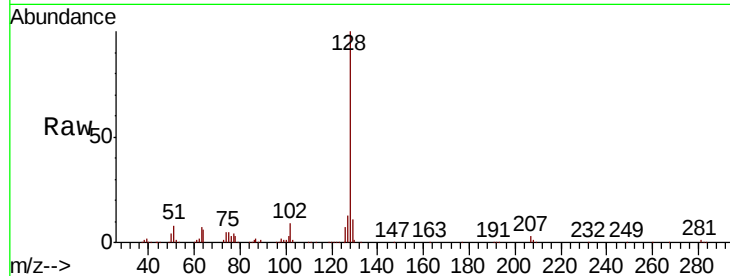




#95
Naphthalene
Concen: 43.733 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 393652
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 43.466 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060541.D
Acq: 16 Mar 2020 22:01

Tgt Ion:180 Resp: 125068
Ion Ratio Lower Upper
180 100
182 95.5 47.3 142.0
145 32.2 16.2 48.5

