

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060368.D
 Acq On : 5 Mar 2020 16:28
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Mar 06 00:46:53 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	193880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323770	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	297747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143357	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	124113	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.57	113	83777	55.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.50%	
50) Toluene-d8	10.08	98	363689	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
62) 4-Bromofluorobenzene	12.40	95	138645	48.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.18%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	79098	44.498	ug/l	100
3) Chloromethane	2.04	50	139962	45.225	ug/l	100
4) Vinyl Chloride	2.16	62	117921	44.429	ug/l	100
5) Bromomethane	2.55	94	41983	38.757	ug/l	98
6) Chloroethane	2.69	64	63757	44.336	ug/l	97
7) Trichlorofluoromethane	3.00	101	153537	45.277	ug/l	99
8) Diethyl Ether	3.38	74	59475	46.452	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	88283	46.001	ug/l	99
10) Methyl Iodide	3.93	142	81728	46.661	ug/l	99
11) Tert butyl alcohol	4.73	59	41645	112.748	ug/l	100
12) 1,1-Dichloroethene	3.72	96	87220	46.821	ug/l	99
13) Acrolein	3.58	56	93583	271.584	ug/l	98
14) Allyl chloride	4.30	41	150977	43.961	ug/l	93
15) Acrylonitrile	4.94	53	233203	239.534	ug/l	99
16) Acetone	3.78	43	174833	217.646	ug/l	99
17) Carbon Disulfide	4.03	76	223555	45.159	ug/l	100
18) Methyl Acetate	4.29	43	119487	44.573	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	325718	48.164	ug/l	98
20) Methylene Chloride	4.52	84	100894	45.734	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	94661	47.278	ug/l	96
22) Diisopropyl ether	5.92	45	348507	50.097	ug/l	99
23) Vinyl Acetate	5.86	43	1371888	248.175	ug/l	98
24) 1,1-Dichloroethane	5.82	63	194319	49.346	ug/l	99
25) 2-Butanone	6.80	43	291931	224.994	ug/l	99
26) 2,2-Dichloropropane	6.80	77	174203	48.593	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	116515	45.548	ug/l	99
28) Bromochloromethane	7.17	49	81397	50.344	ug/l	98
29) Tetrahydrofuran	7.18	42	197733	219.153	ug/l	100
30) Chloroform	7.35	83	191748	48.915	ug/l	100
31) Cyclohexane	7.63	56	163619	48.654	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	169502	48.803	ug/l	99
36) 1,1-Dichloropropene	7.77	75	140471	45.523	ug/l	100
37) Ethyl Acetate	6.90	43	136601	46.753	ug/l	99
38) Carbon Tetrachloride	7.75	117	139916	46.572	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	155818	42.829	ug/l	98
40) Benzene	8.02	78	424098	47.221	ug/l	100
41) Methacrylonitrile	7.18	41	192651	142.801	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	154979	47.820	ug/l	100
43) Isopropyl Acetate	8.14	43	247643	48.415	ug/l	99
44) Trichloroethene	8.82	130	116198	46.455	ug/l	100
45) 1,2-Dichloropropane	9.10	63	117567	50.068	ug/l	98
46) Dibromomethane	9.19	93	72073	47.304	ug/l	99
47) Bromodichloromethane	9.39	83	155163	50.072	ug/l	100
48) Methyl methacrylate	9.18	41	109747	47.051	ug/l	99
49) 1,4-Dioxane	9.18	88	11968	364.860	ug/l #	94
51) 4-Methyl-2-Pentanone	9.97	43	693904	239.266	ug/l	100
52) Toluene	10.14	92	263555	46.716	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	177363	46.711	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	186806	47.478	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	106408	46.902	ug/l	99
56) Ethyl methacrylate	10.42	69	163472	50.154	ug/l	99
57) 1,3-Dichloropropane	10.70	76	178702	48.300	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	412019	241.700	ug/l	99
59) 2-Hexanone	10.74	43	486315	228.386	ug/l	100
60) Dibromochloromethane	10.89	129	113863	49.351	ug/l	99
61) 1,2-Dibromoethane	10.99	107	106838	48.308	ug/l	97
64) Tetrachloroethene	10.62	164	120594	51.483	ug/l	98
65) Chlorobenzene	11.43	112	277087	46.087	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	106622	47.963	ug/l	99
67) Ethyl Benzene	11.50	91	516346	47.160	ug/l	100
68) m/p-Xylenes	11.62	106	384168	92.999	ug/l	100
69) o-Xylene	11.94	106	186412	47.323	ug/l	99
70) Styrene	11.96	104	311372	48.077	ug/l	100
71) Bromoform	12.12	173	80705	50.373	ug/l #	99
73) Isopropylbenzene	12.24	105	502794	47.320	ug/l	100
74) N-amyl acetate	12.06	43	219097	47.188	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	143436	49.662	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	200908	63.876	ug/l #	100
77) Bromobenzene	12.52	156	121630	46.699	ug/l	99
78) n-propylbenzene	12.59	91	585079	46.976	ug/l	99
79) 2-Chlorotoluene	12.67	91	345223	47.153	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	420664	47.022	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55658	48.849	ug/l #	84
82) 4-Chlorotoluene	12.77	91	356706	46.244	ug/l	99
83) tert-Butylbenzene	12.99	119	348490	44.992	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	425294	47.099	ug/l	100
85) sec-Butylbenzene	13.17	105	464976	44.829	ug/l	100
86) p-Isopropyltoluene	13.28	119	425565	44.329	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	218665	48.854	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	218461	49.085	ug/l	99
89) n-Butylbenzene	13.61	91	381150	43.250	ug/l	99
90) Hexachloroethane	13.87	117	55990	40.293	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	212919	46.653	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29617	45.282	ug/l	97

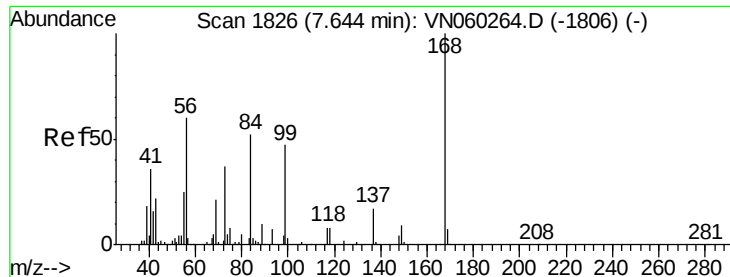
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
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QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	134341	46.332	ug/l	99
94) Hexachlorobutadiene	15.01	225	58461	43.784	ug/l	99
95) Naphthalene	15.13	128	396976	46.456	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	125260	45.849	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

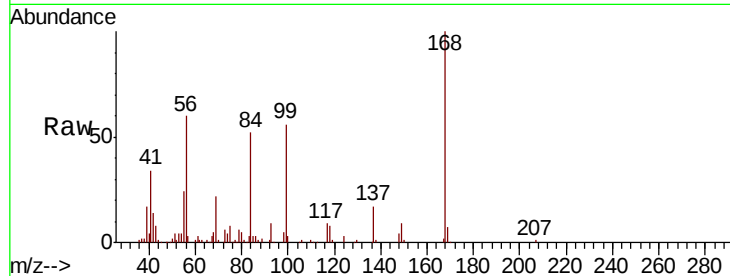
VSTDCCC050EC

Tot Ion:168 Resp: 193880

Ion Ratio Lower Upper

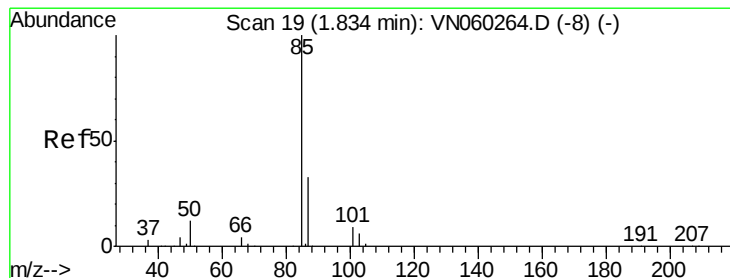
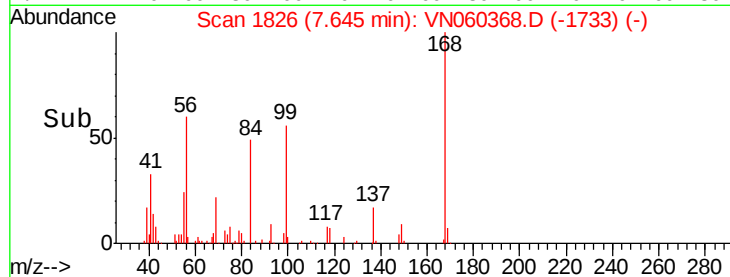
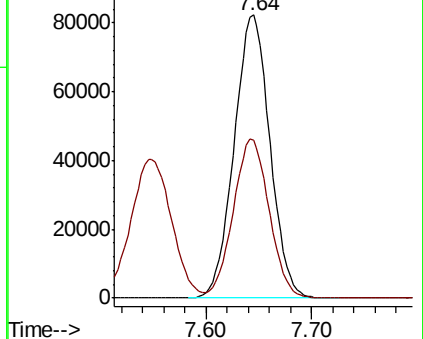
168 100

99 56.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 44.498 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060368.D

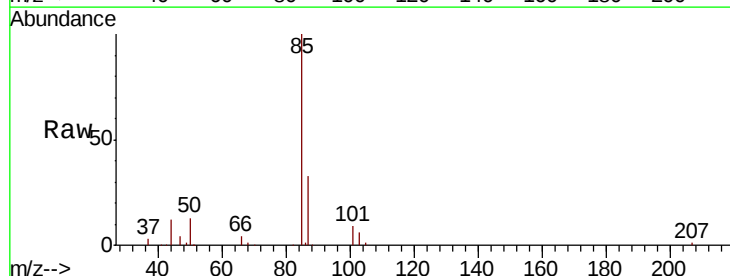
Acq: 5 Mar 2020 16:28

Tgt Ion: 85 Resp: 79098

Ion Ratio Lower Upper

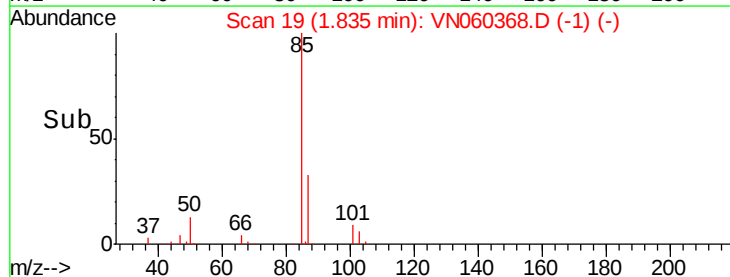
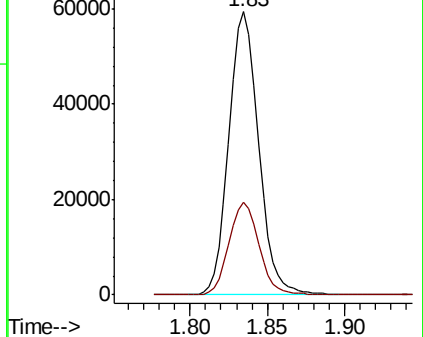
85 100

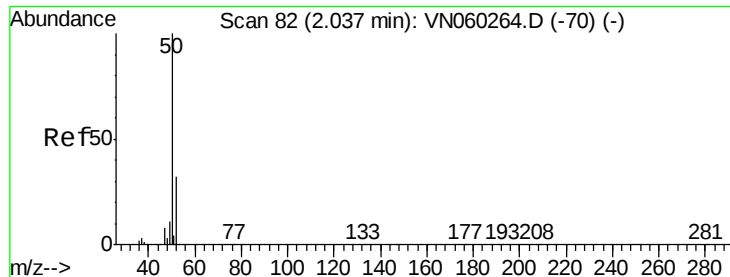
87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 45.225 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

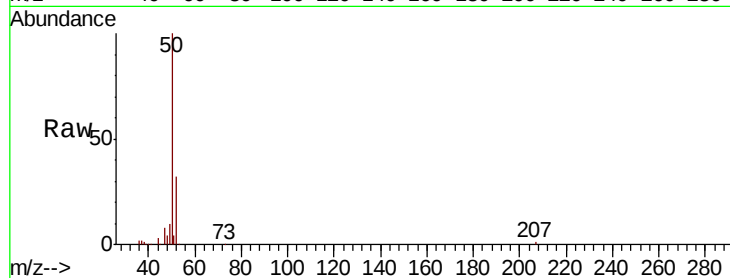
VSTDCCC050EC

Tot Ion: 50 Resp: 139962

Ion Ratio Lower Upper

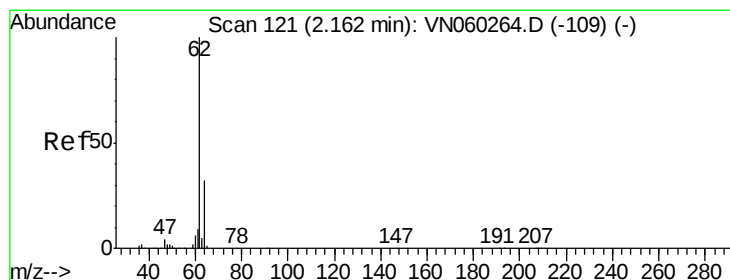
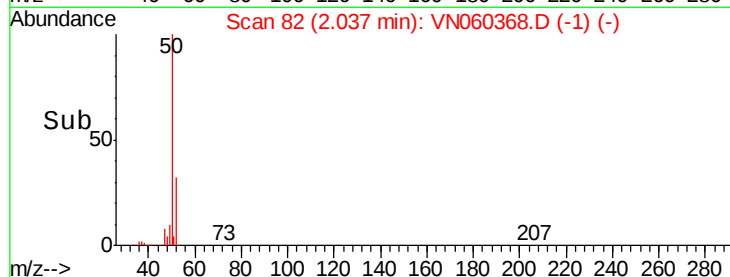
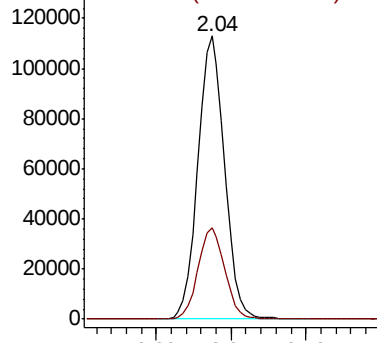
50 100

52 32.2 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 44.429 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060368.D

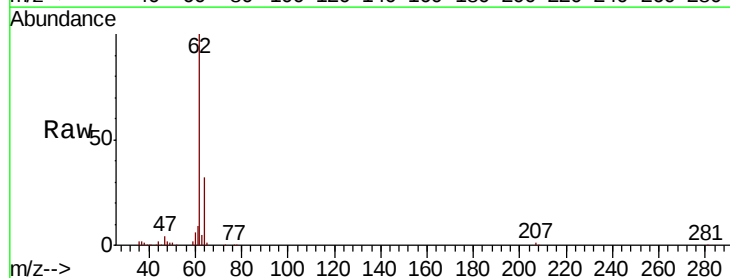
Acq: 5 Mar 2020 16:28

Tgt Ion: 62 Resp: 117921

Ion Ratio Lower Upper

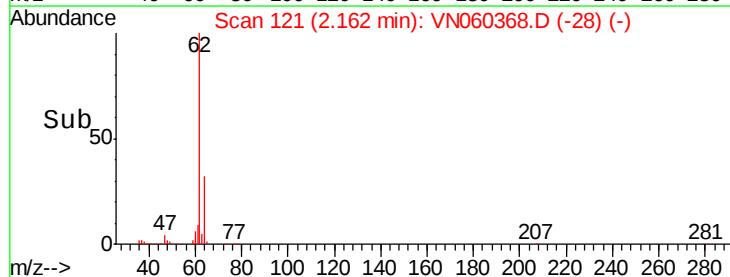
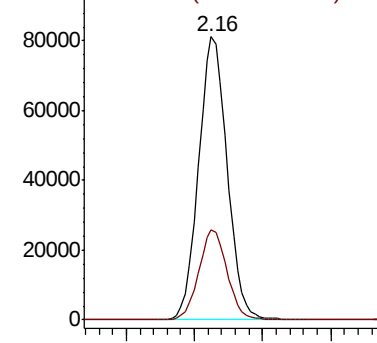
62 100

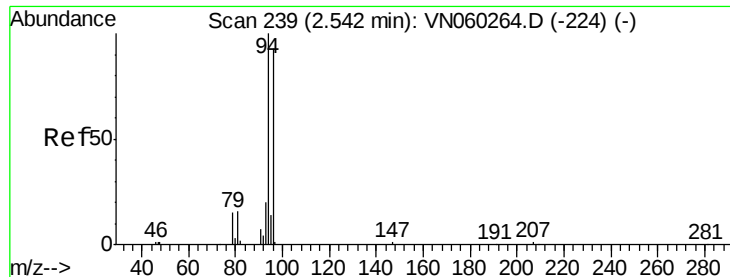
64 31.8 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 38.757 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

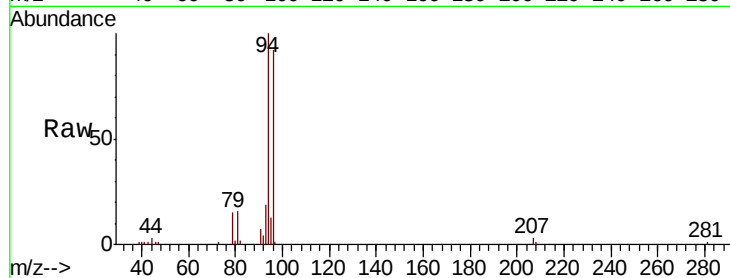
VSTDCCC050EC

Tot Ion: 94 Resp: 41983

Ion Ratio Lower Upper

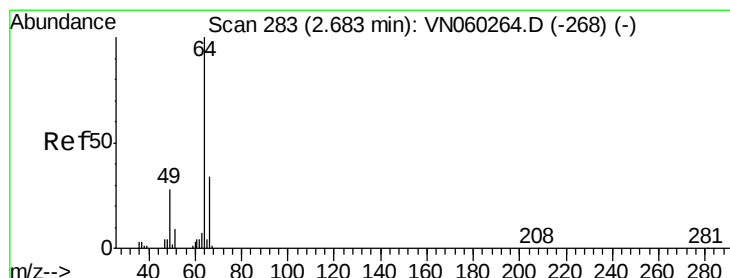
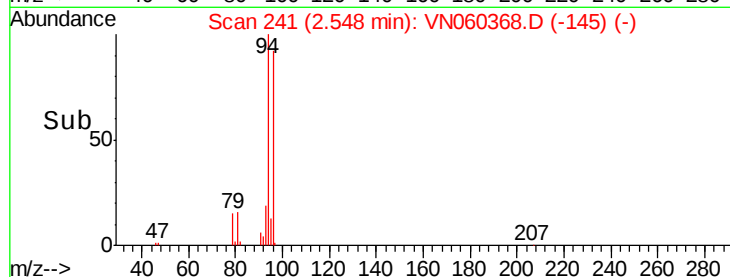
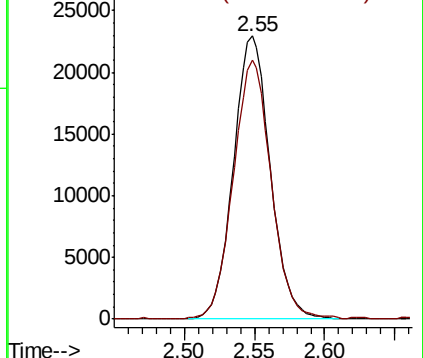
94 100

96 91.0 74.3 111.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.336 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060368.D

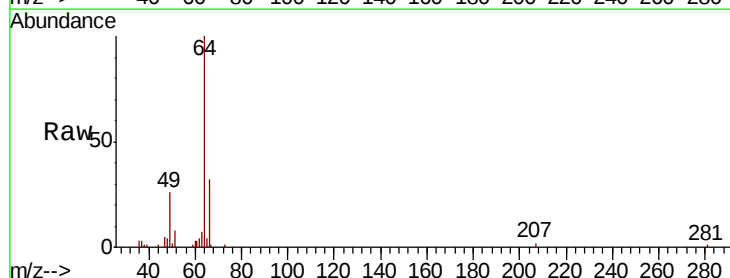
Acq: 5 Mar 2020 16:28

Tgt Ion: 64 Resp: 63757

Ion Ratio Lower Upper

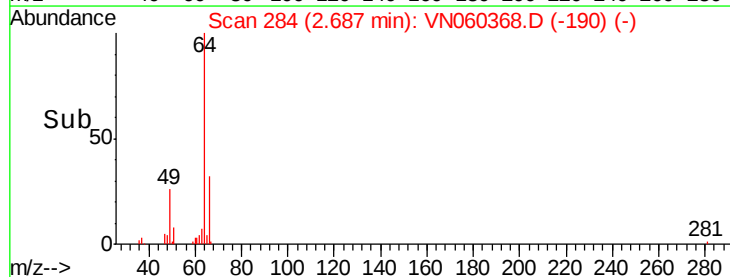
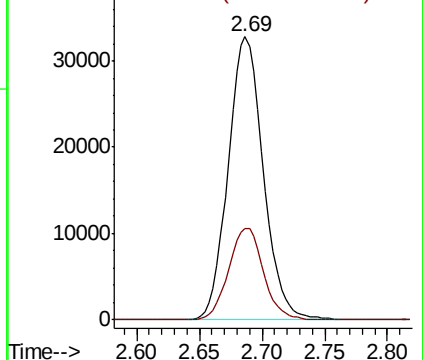
64 100

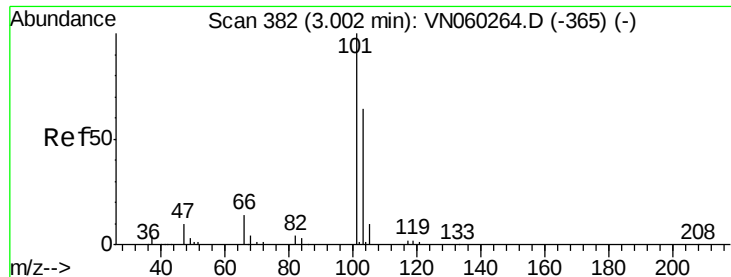
66 32.3 27.4 41.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



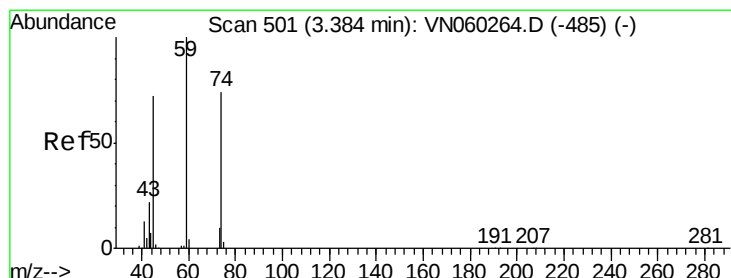
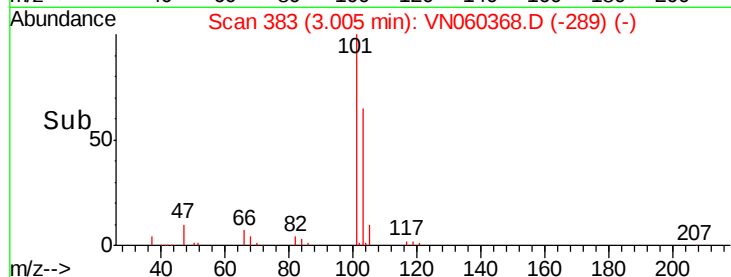
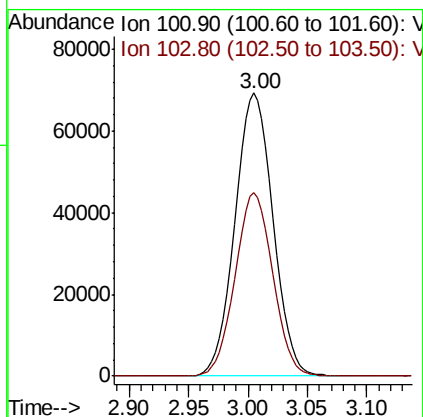
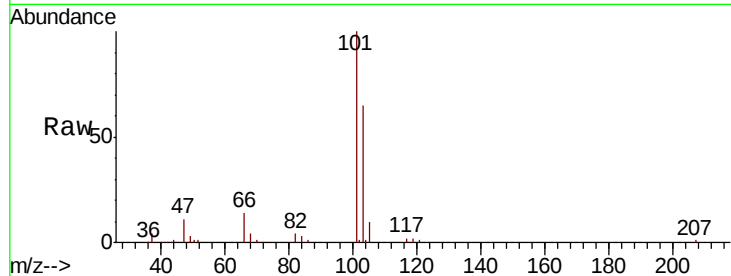


#7

Trichlorofluoromethane
Concen: 45.277 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Instrument :
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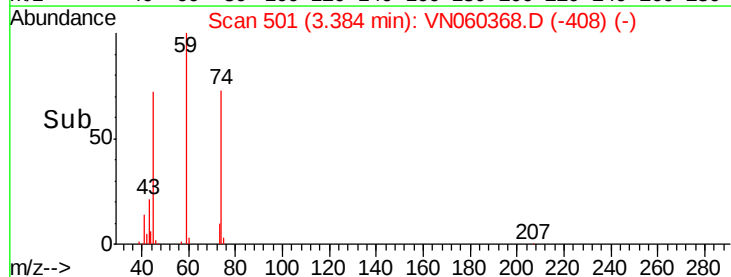
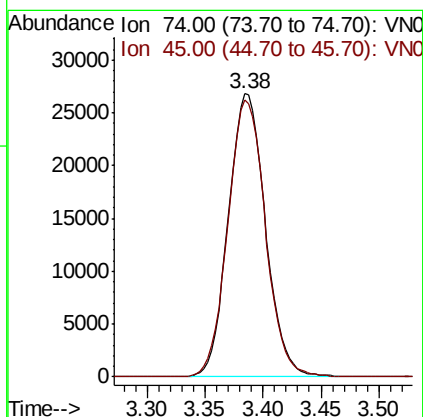
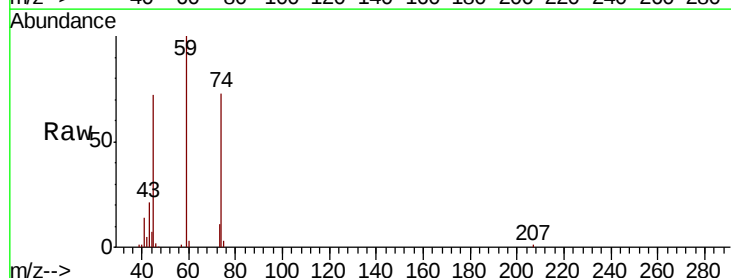
Tot Ion:101 Resp: 153537
Ion Ratio Lower Upper
101 100
103 65.0 51.3 76.9

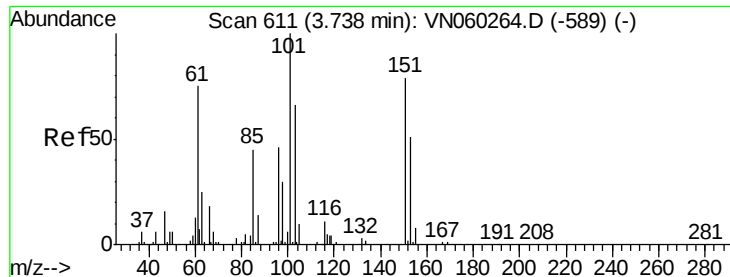


#8

Diethyl Ether
Concen: 46.452 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion: 74 Resp: 59475
Ion Ratio Lower Upper
74 100
45 99.0 49.5 148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.001 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

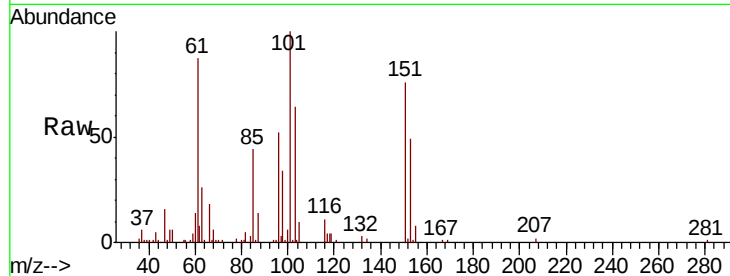
Tot Ion:101 Resp: 88283

Ion Ratio Lower Upper

101 100

85 44.8 35.4 53.2

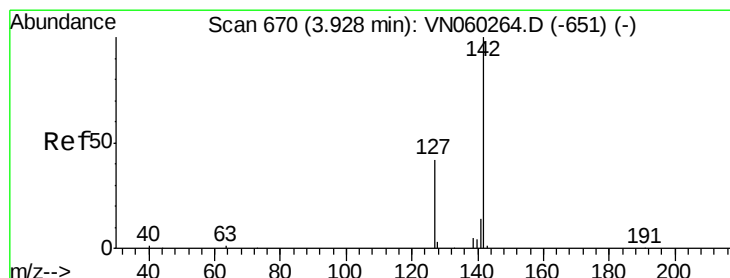
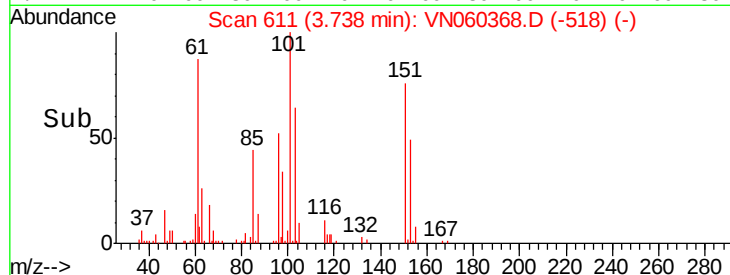
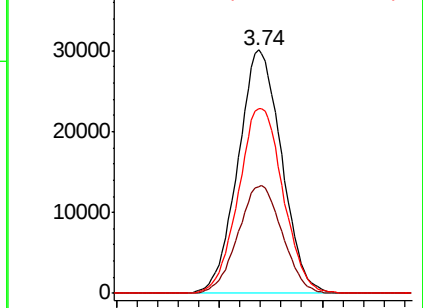
151 77.9 62.0 93.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.661 ug/l

RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

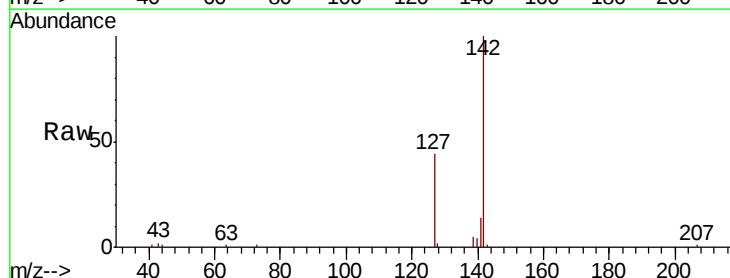
Tgt Ion:142 Resp: 81728

Ion Ratio Lower Upper

142 100

127 42.9 33.8 50.6

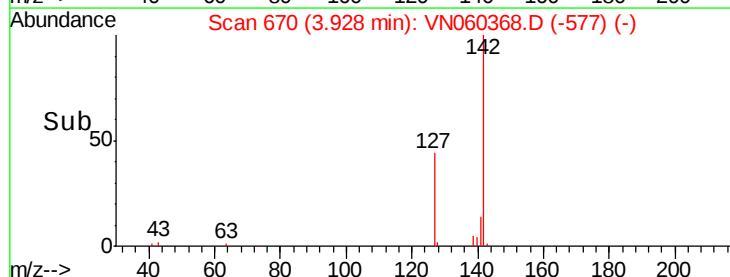
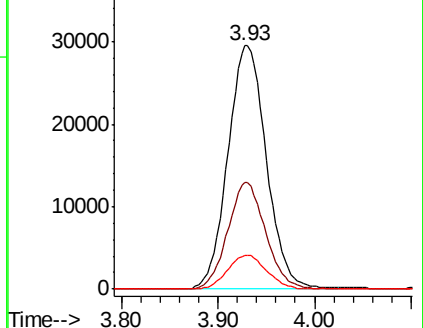
141 14.0 11.1 16.7

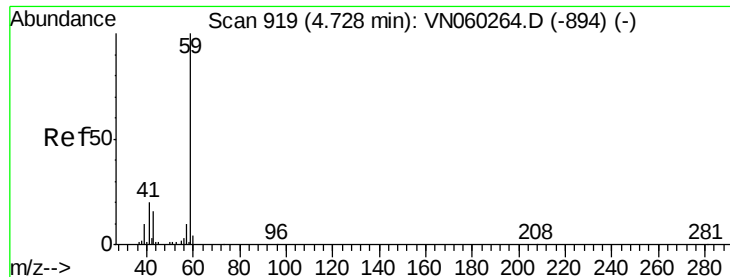


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

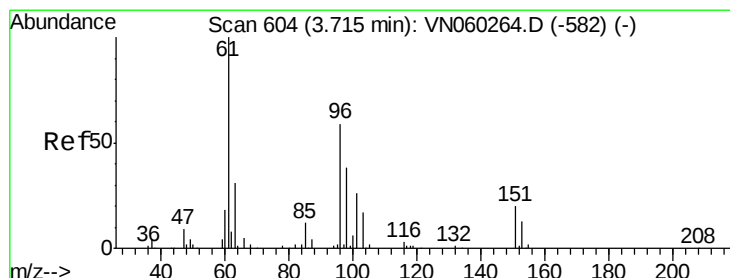
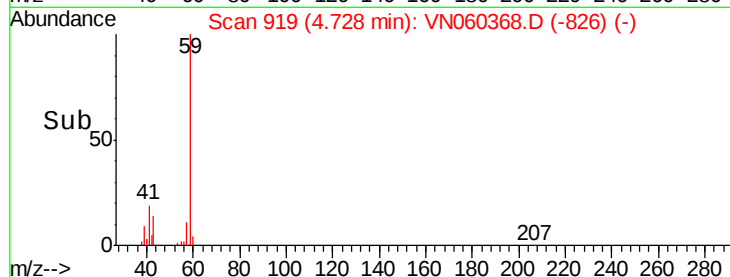
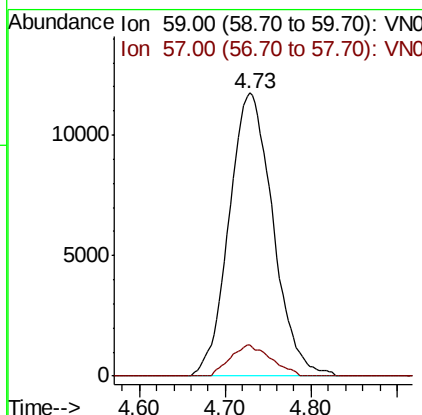
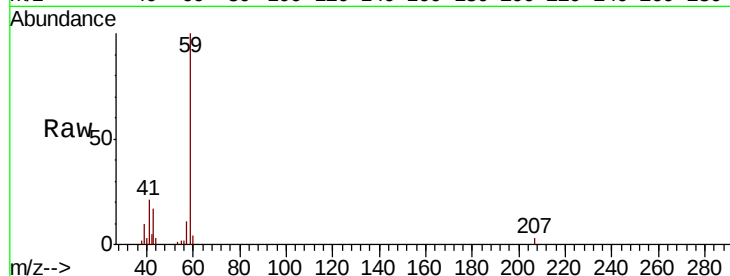




#11
Tert butyl alcohol
Concen: 112.748 ug/l
RT: 4.73 min Scan# 919
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

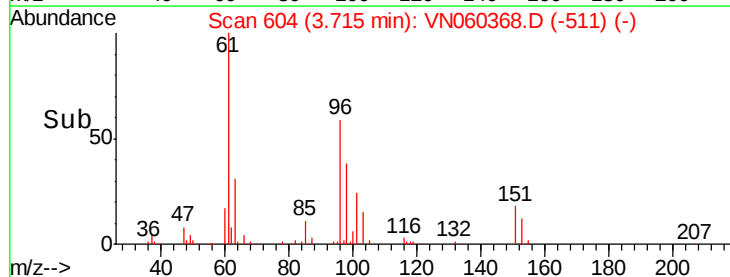
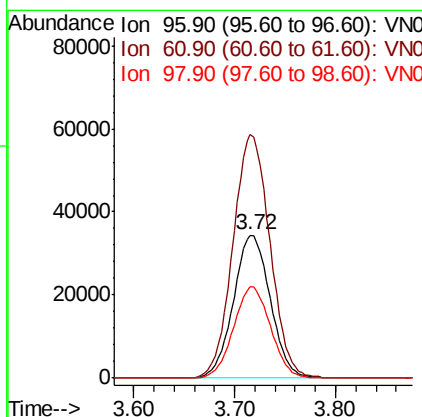
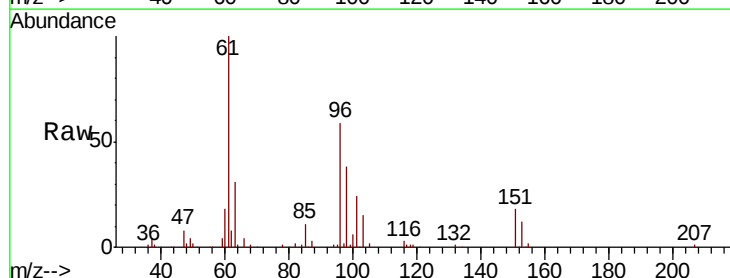
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

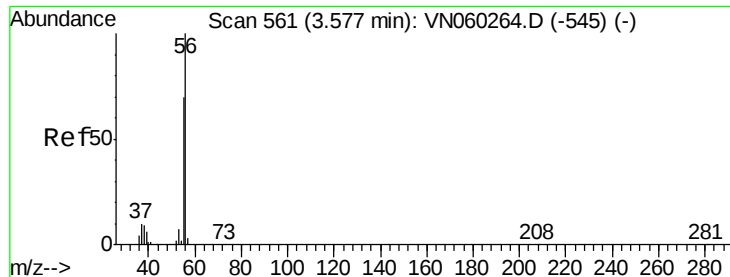
Tot Ion: 59 Resp: 41645
Ion Ratio Lower Upper
59 100
57 10.2 8.2 12.2



#12
1,1-Dichloroethene
Concen: 46.821 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion: 96 Resp: 87220
Ion Ratio Lower Upper
96 100
61 170.5 135.4 203.0
98 64.2 51.6 77.4





#13

Acrolein

Concen: 271.584 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

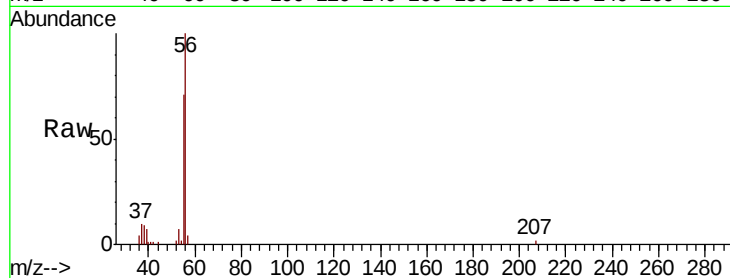
VSTDCCC050EC

Tot Ion: 56 Resp: 93583

Ion Ratio Lower Upper

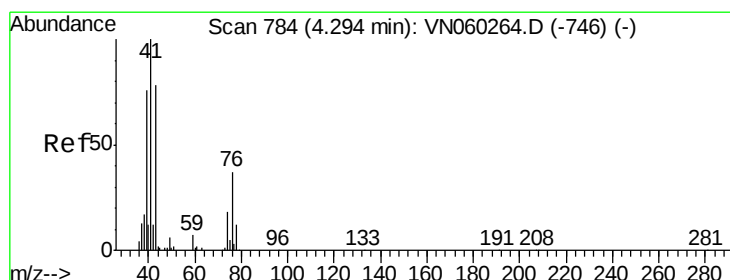
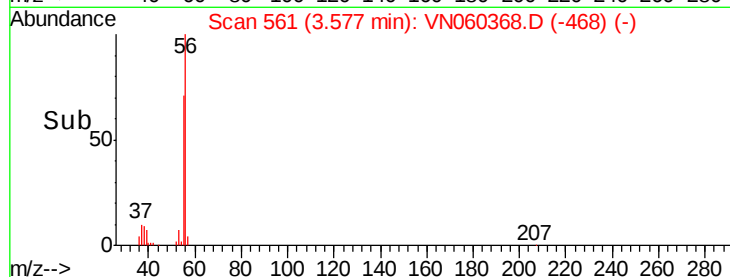
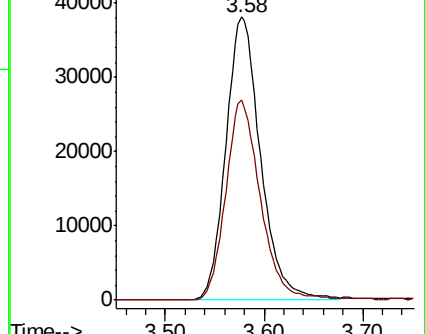
56 100

55 70.5 57.4 86.0



Abundance Ion 56.00 (55.70 to 56.70): VN060368.D (-468) (-)

Ion 55.00 (54.70 to 55.70): VN060368.D (-468) (-)



#14

Allyl chloride

Concen: 43.961 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

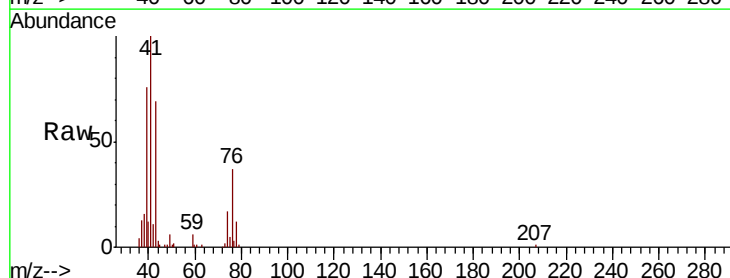
Tgt Ion: 41 Resp: 150977

Ion Ratio Lower Upper

41 100

39 75.9 55.4 83.2

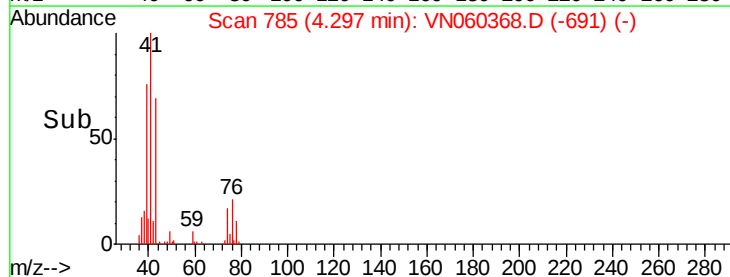
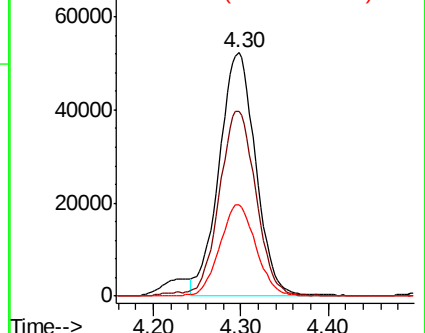
76 37.1 27.0 40.6

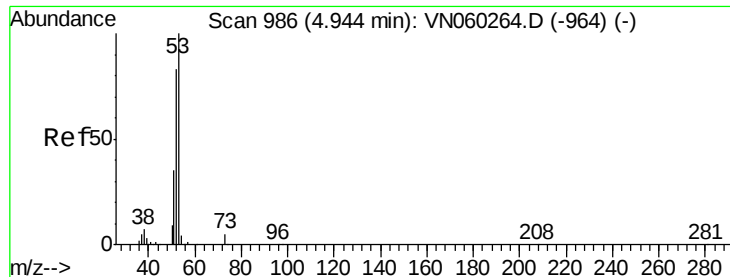


Abundance Ion 41.00 (40.70 to 41.70): VN060368.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060368.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060368.D (-691) (-)





#15

Acrylonitrile

Concen: 239.534 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

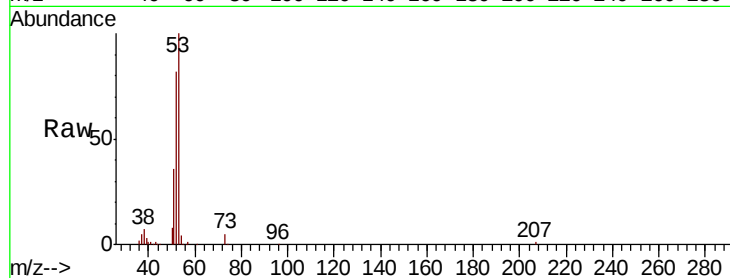
Tot Ion: 53 Resp: 233203

Ion Ratio Lower Upper

53 100

52 82.4 66.8 100.2

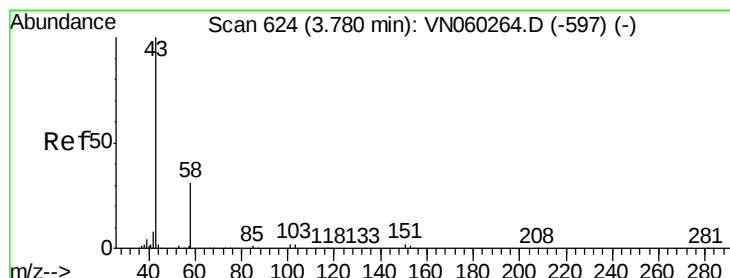
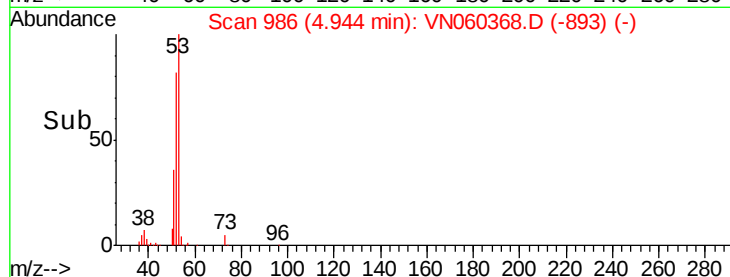
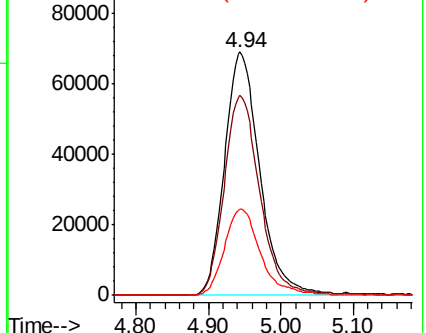
51 36.6 29.0 43.6



Abundance Ion 53.00 (52.70 to 53.70): VN060368.D (-964) (-)

Ion 52.00 (51.70 to 52.70): VN060368.D (-964) (-)

Ion 51.00 (50.70 to 51.70): VN060368.D (-964) (-)



#16

Acetone

Concen: 217.646 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060368.D

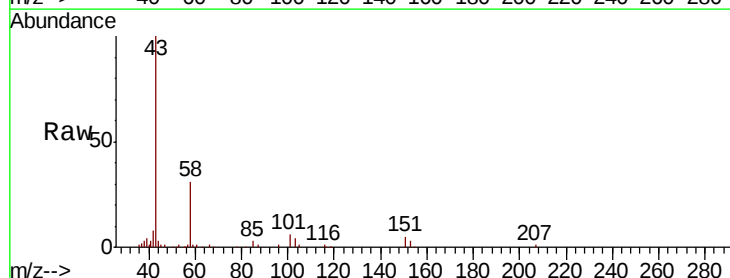
Acq: 5 Mar 2020 16:28

Tgt Ion: 43 Resp: 174833

Ion Ratio Lower Upper

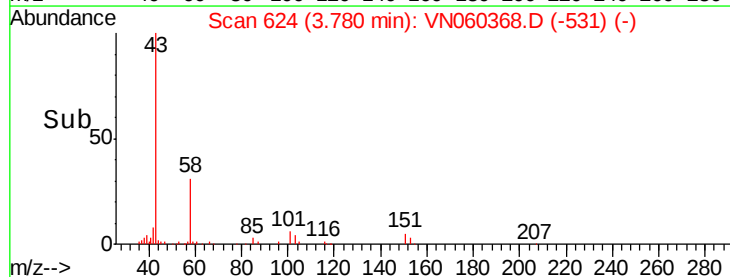
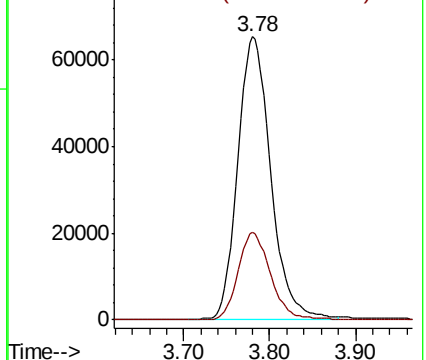
43 100

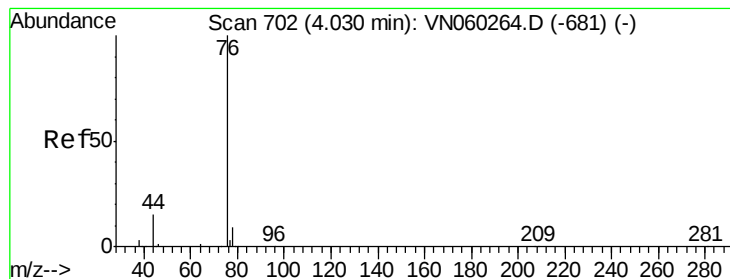
58 31.0 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060368.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060368.D (-597) (-)





#17

Carbon Disulfide

Concen: 45.159 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

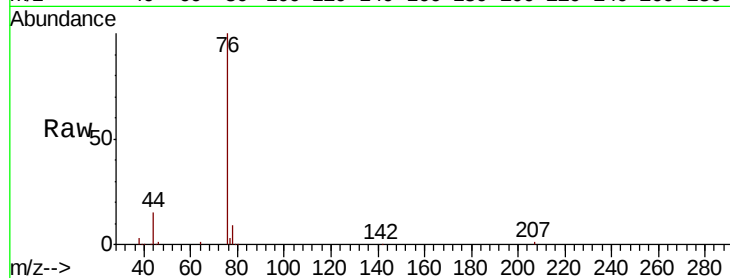
VSTDCCC050EC

Tot Ion: 76 Resp: 223555

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

80000

60000

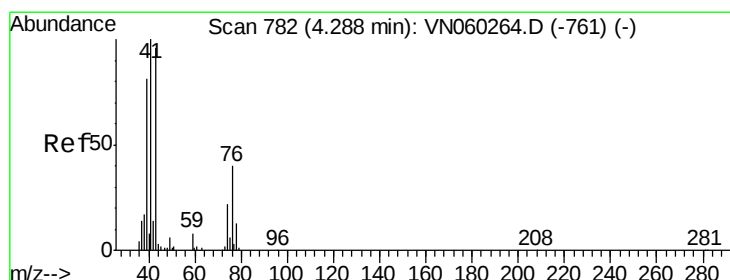
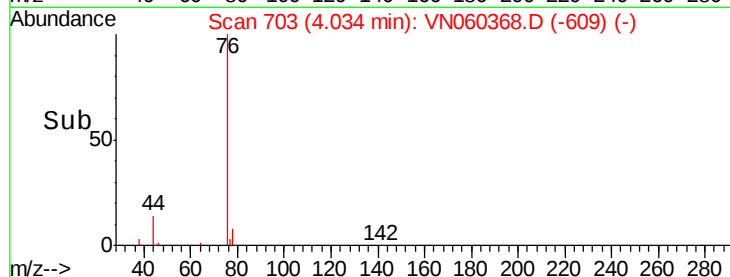
40000

20000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 44.573 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060368.D

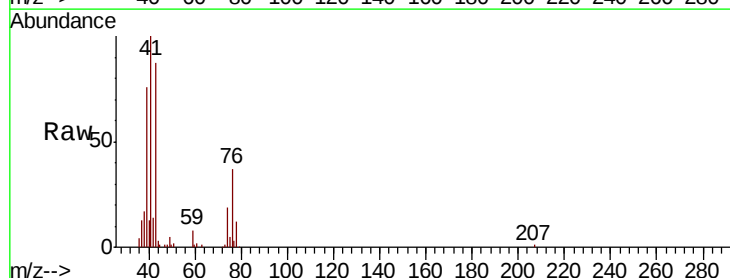
Acq: 5 Mar 2020 16:28

Tgt Ion: 43 Resp: 119487

Ion Ratio Lower Upper

43 100

74 22.6 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

40000

30000

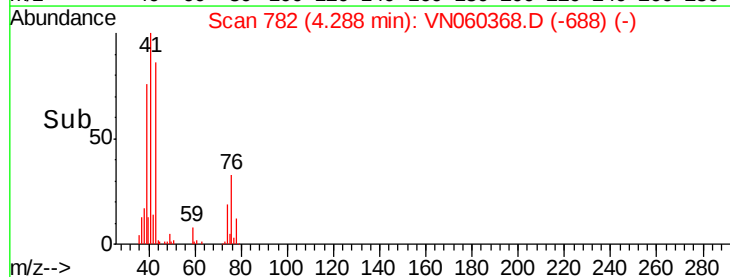
20000

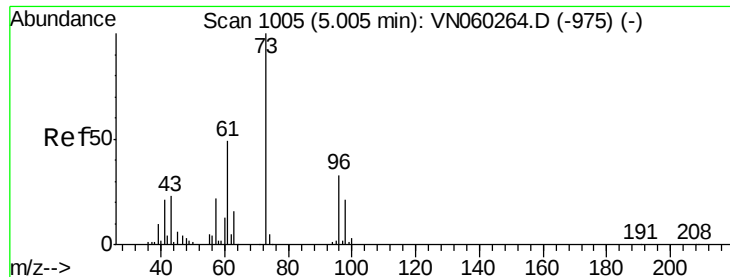
10000

0

Time-->

4.20 4.30 4.40

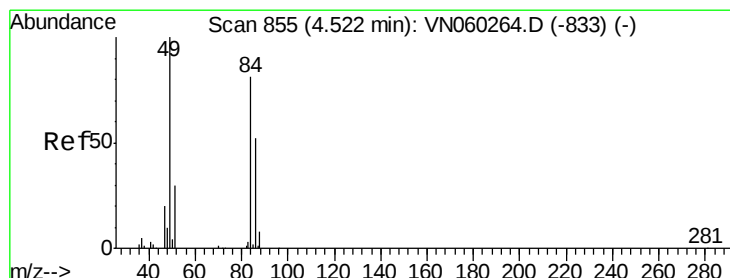
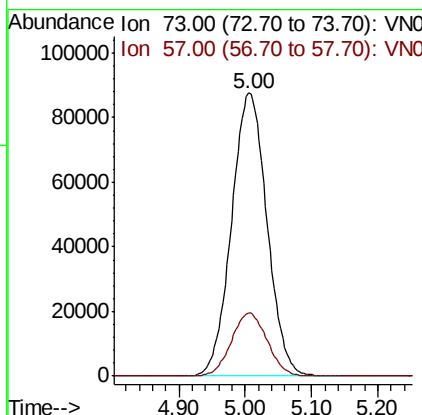
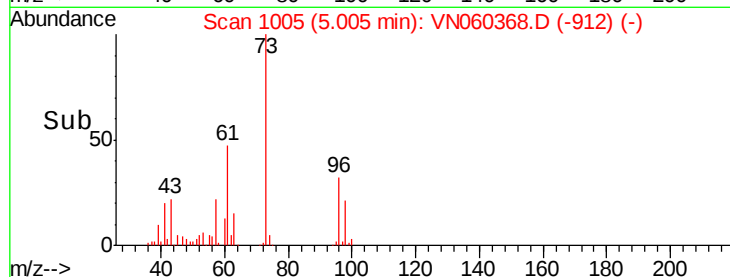
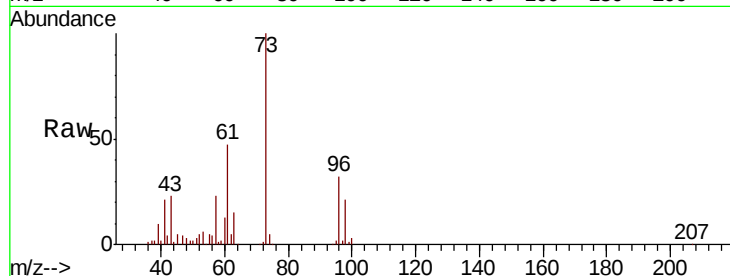




#19
Methvl tert-butvl Ether
Concen: 48.164 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

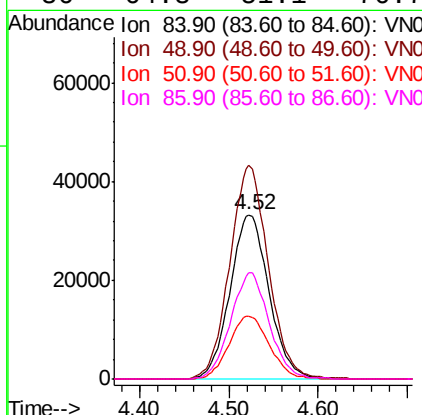
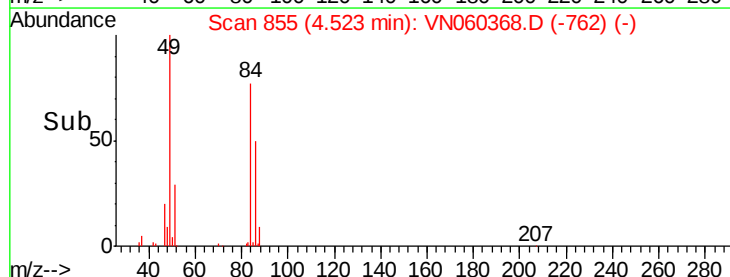
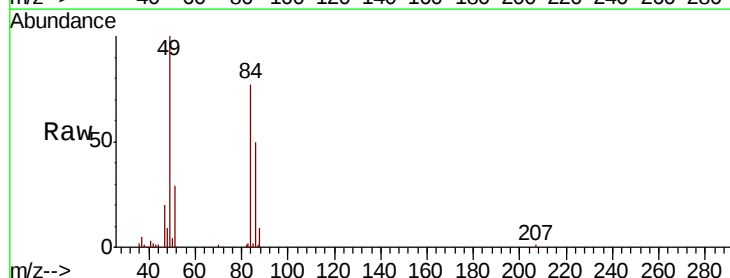
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

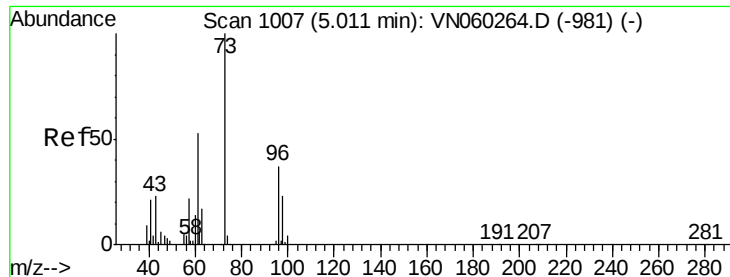
Tot Ion: 73 Resp: 325718
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9



#20
Methylene Chloride
Concen: 45.734 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion: 84 Resp: 100894
Ion Ratio Lower Upper
84 100
49 129.9 99.3 148.9
51 37.8 30.1 45.1
86 64.8 51.1 76.7

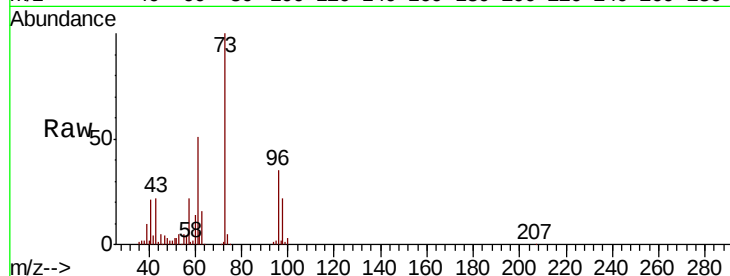




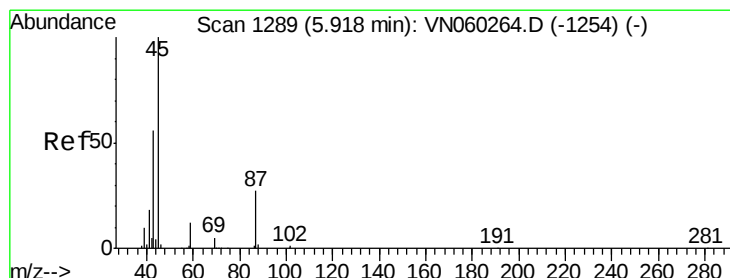
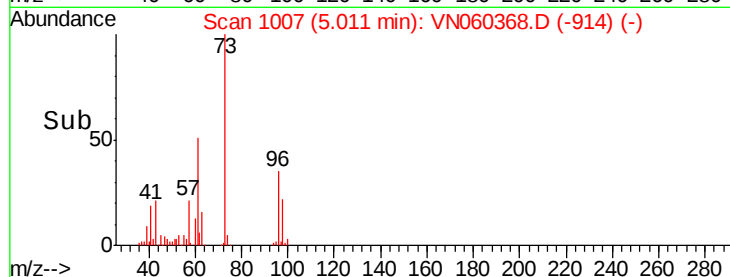
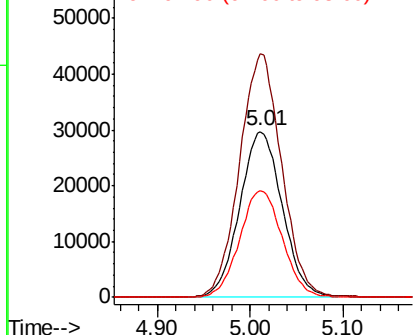
#21
trans-1,2-Dichloroethene
Concen: 47.278 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 94661
Ion Ratio Lower Upper
96 100
61 147.0 113.8 170.8
98 64.5 48.8 73.2

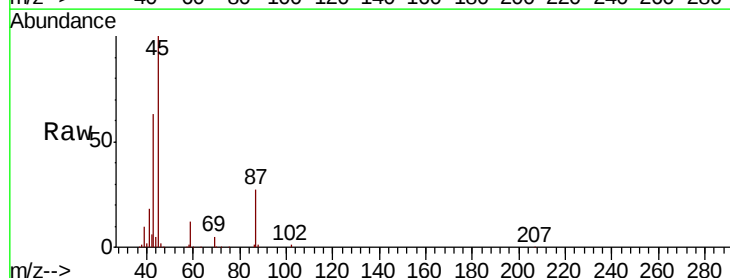


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

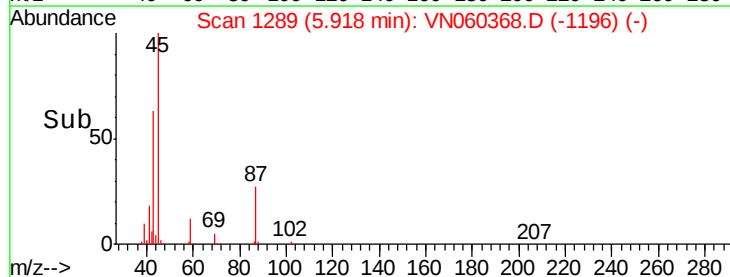
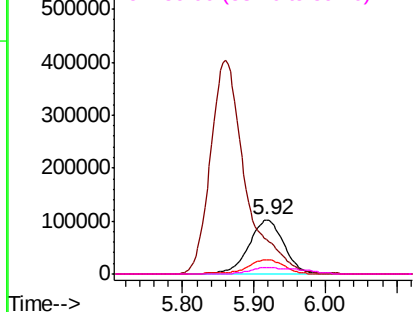


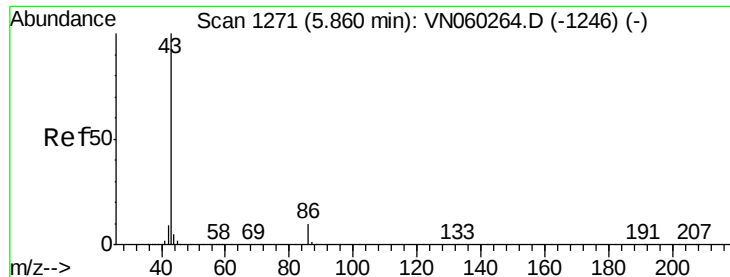
#22
Diisopropyl ether
Concen: 50.097 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion: 45 Resp: 348507
Ion Ratio Lower Upper
45 100
43 61.7 48.6 72.8
87 26.9 22.2 33.2
59 11.3 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

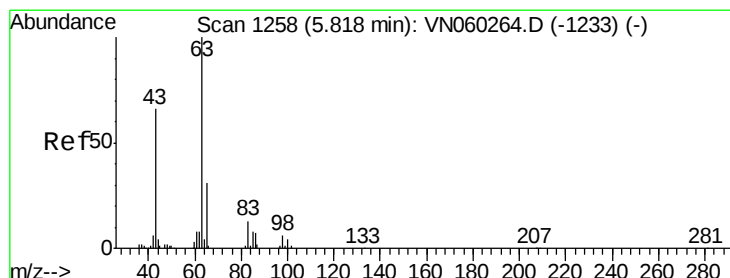
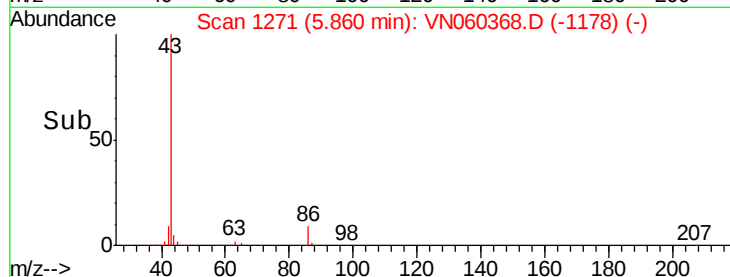
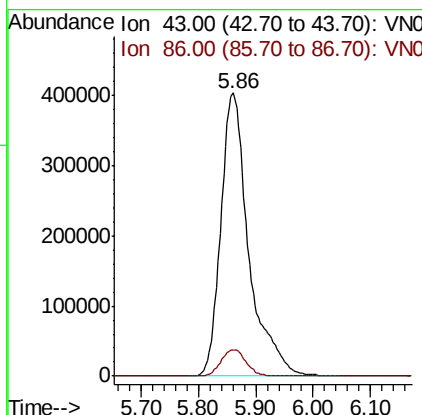
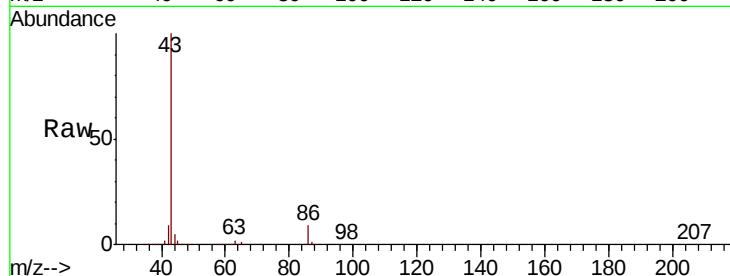




#23
 Vinyl Acetate
 Concen: 248.175 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060368.D
 Acq: 5 Mar 2020 16:28

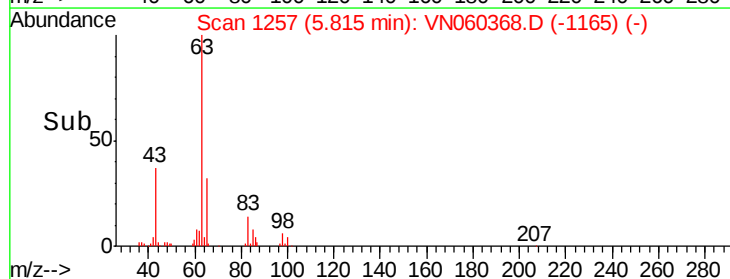
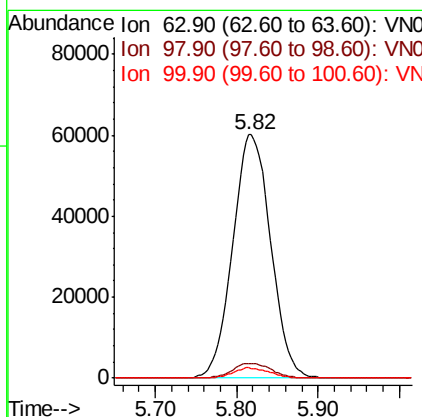
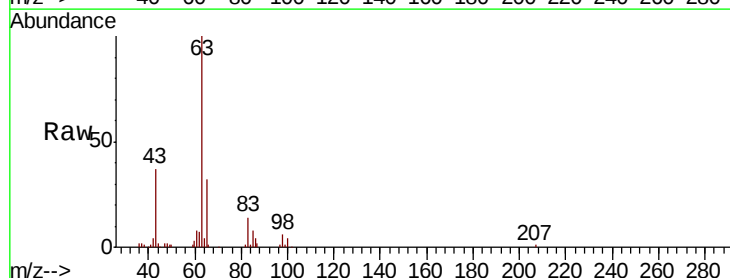
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

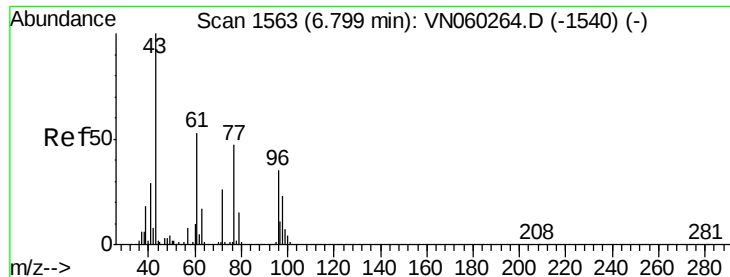
Tot Ion: 43 Resp: 1371888
 Ion Ratio Lower Upper
 43 100
 86 9.4 8.0 12.0



#24
 1,1-Dichloroethane
 Concen: 49.346 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060368.D
 Acq: 5 Mar 2020 16:28

Tgt Ion: 63 Resp: 194319
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.0
 100 4.2 2.0 6.0





#25

2-Butanone

Concen: 224.994 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

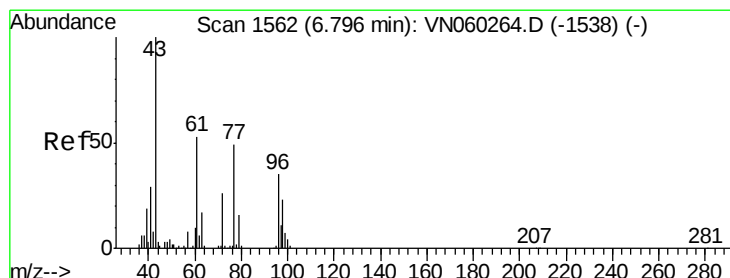
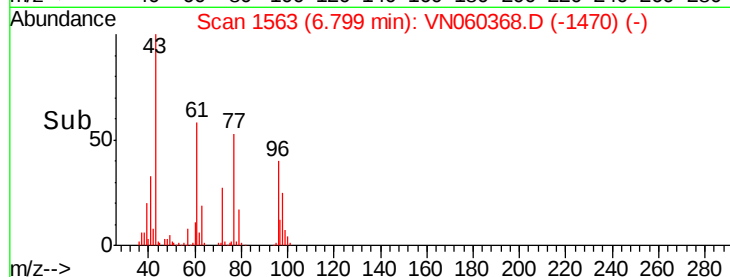
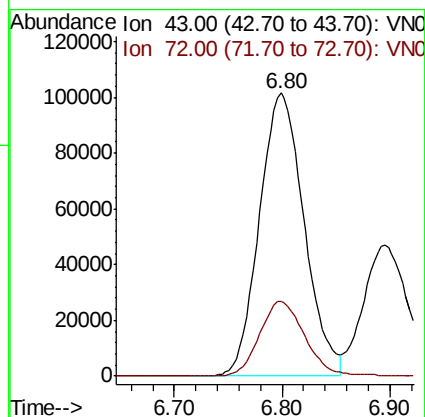
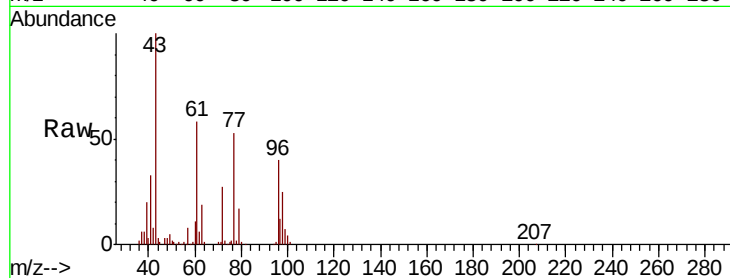
VSTDCCC050EC

Tot Ion: 43 Resp: 291931

Ion Ratio Lower Upper

43 100

72 26.6 20.9 31.3



#26

2,2-Dichloropropane

Concen: 48.593 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060368.D

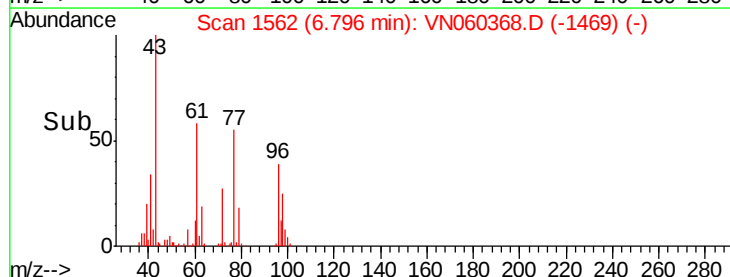
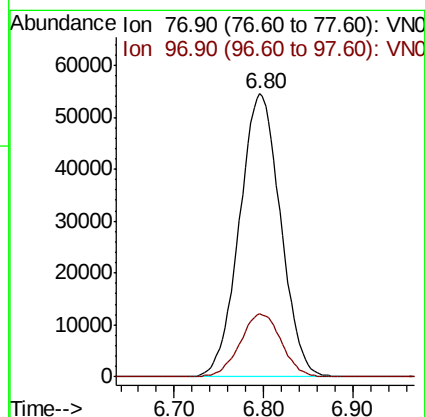
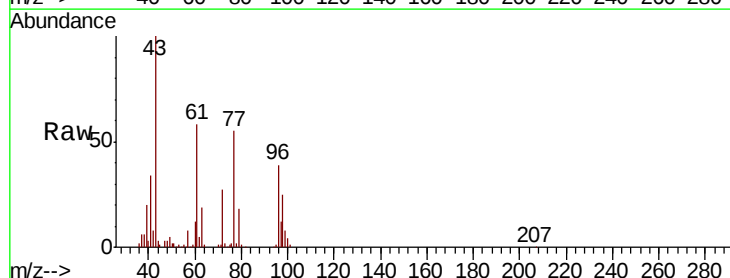
Acq: 5 Mar 2020 16:28

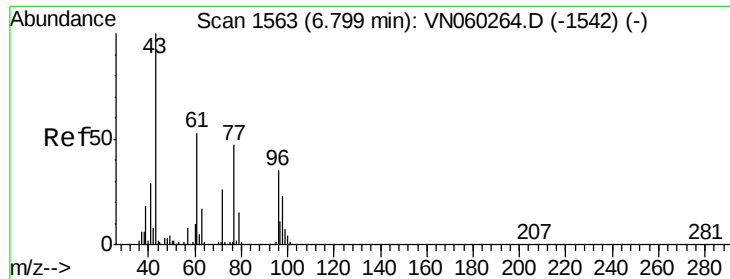
Tgt Ion: 77 Resp: 174203

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 45.548 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

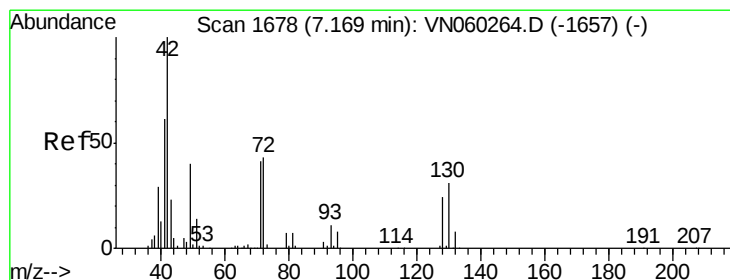
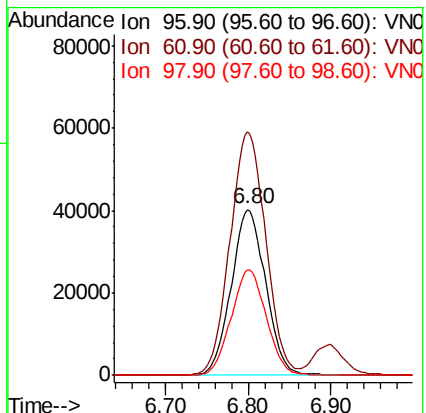
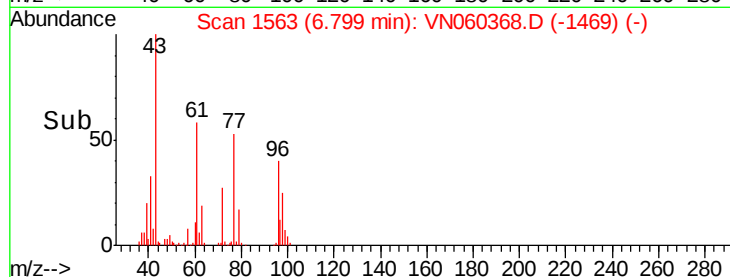
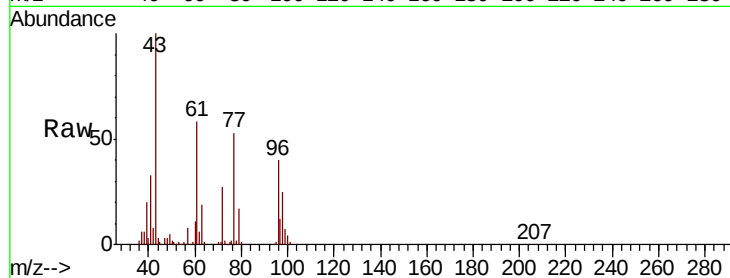
Tot Ion: 96 Resp: 116515

Ion Ratio Lower Upper

96 100

61 151.6 0.0 300.8

98 64.7 0.0 128.2



#28

Bromochloromethane

Concen: 50.344 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

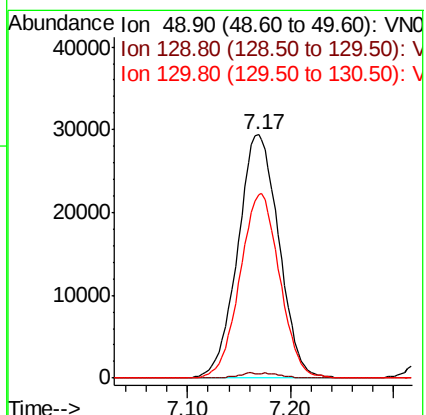
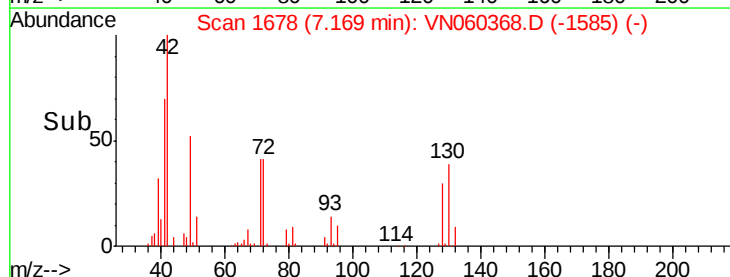
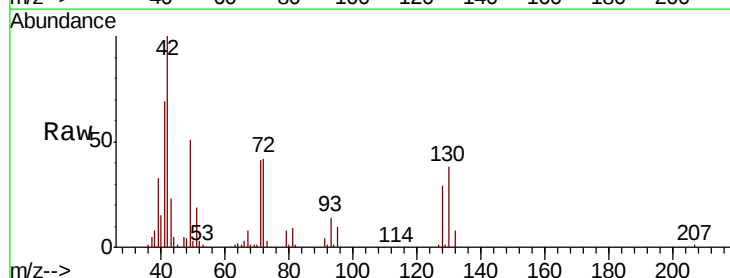
Tgt Ion: 49 Resp: 81397

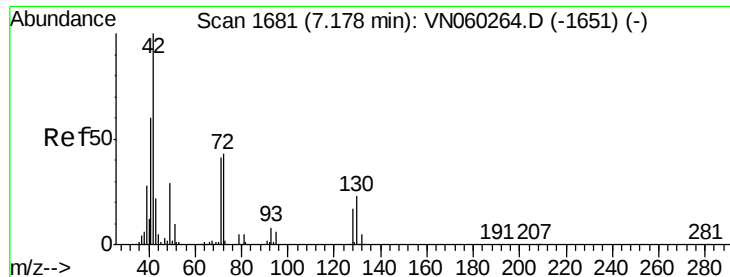
Ion Ratio Lower Upper

49 100

129 1.0 0.0 3.8

130 73.1 59.8 89.8





#29

Tetrahydrofuran

Concen: 219.153 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

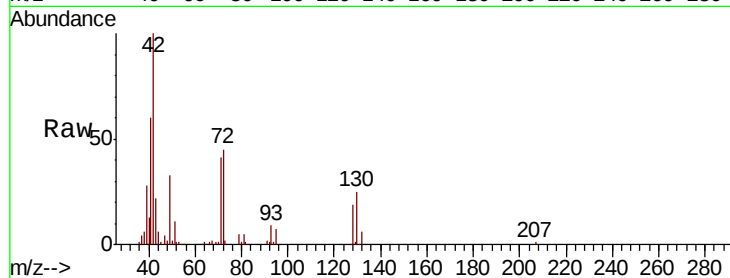
Tot Ion: 42 Resp: 197733

Ion Ratio Lower Upper

42 100

72 43.1 34.6 52.0

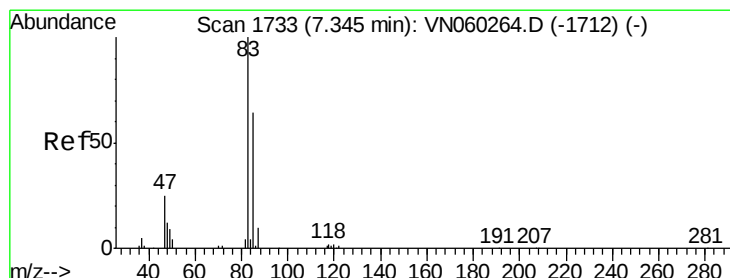
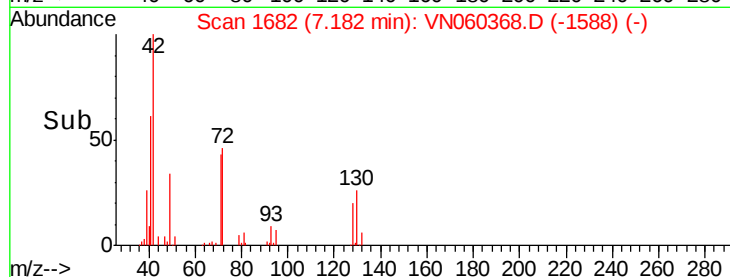
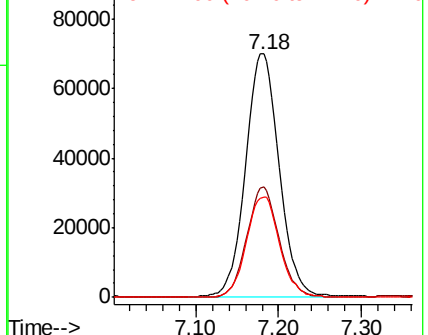
71 40.7 32.9 49.3



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 48.915 ug/l

RT: 7.35 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VN060368.D

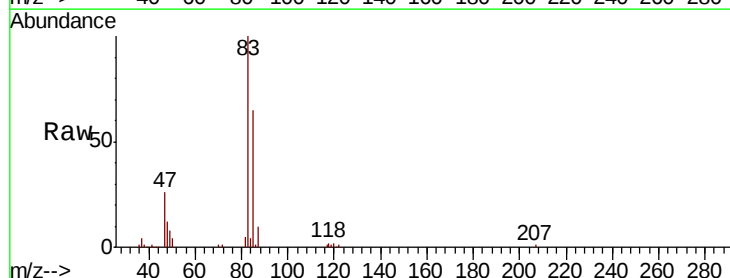
Acq: 5 Mar 2020 16:28

Tgt Ion: 83 Resp: 191748

Ion Ratio Lower Upper

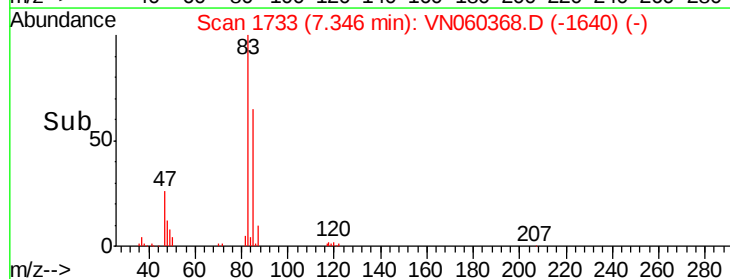
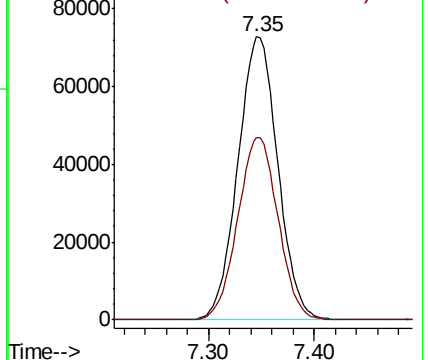
83 100

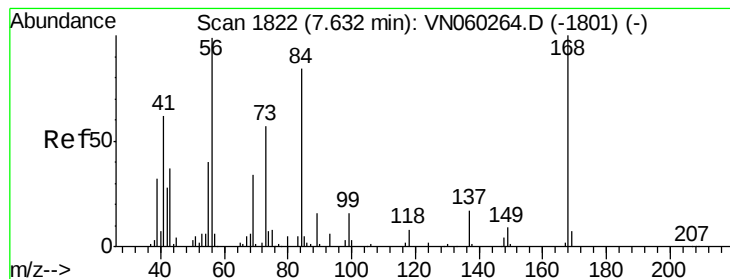
85 64.6 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 48.654 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

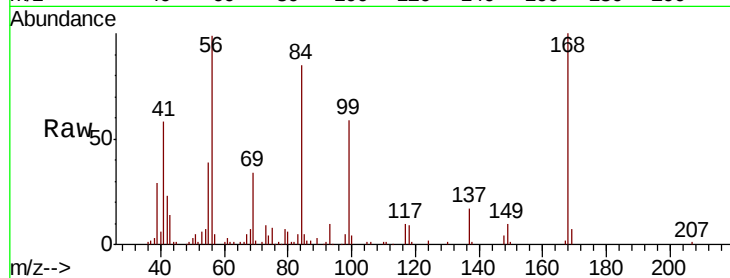
Tot Ion: 56 Resp: 163619

Ion Ratio Lower Upper

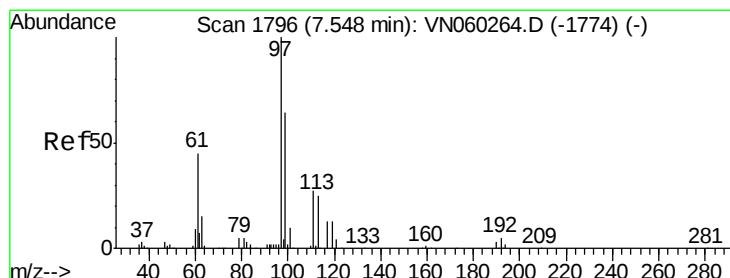
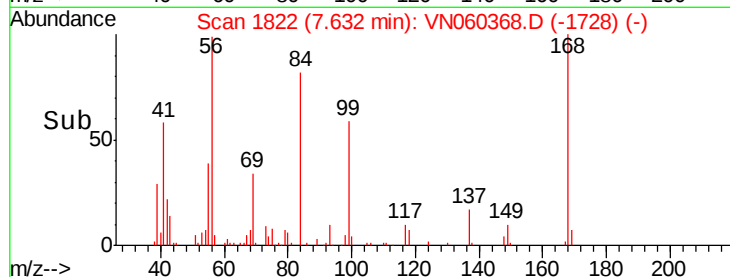
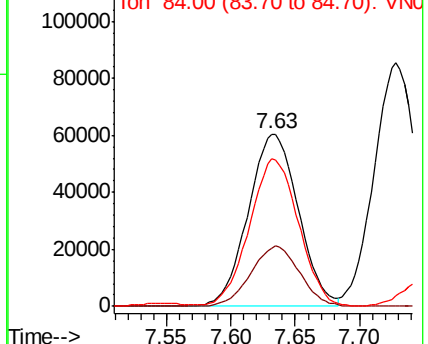
56 100

69 34.0 27.2 40.8

84 84.6 66.7 100.1



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



#32

1,1,1-Trichloroethane

Concen: 48.803 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

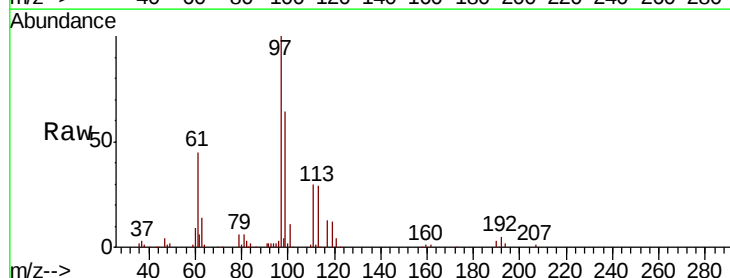
Tgt Ion: 97 Resp: 169502

Ion Ratio Lower Upper

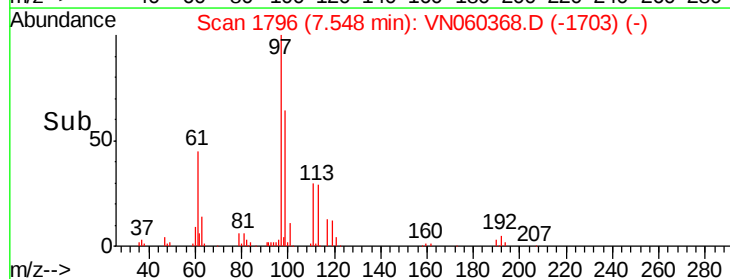
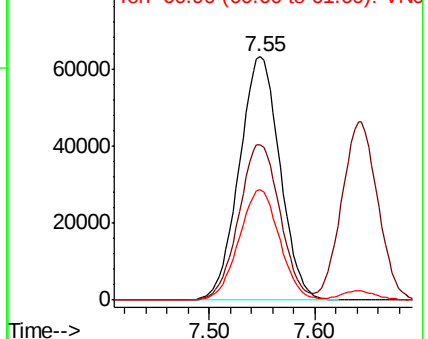
97 100

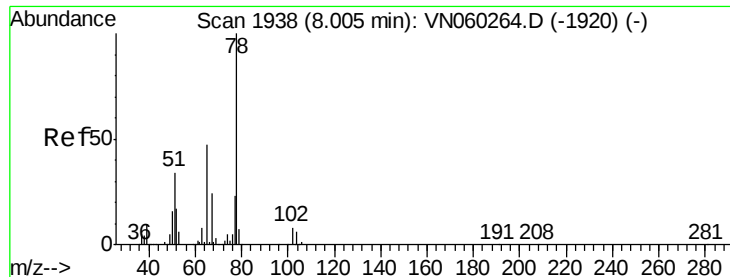
99 64.7 51.4 77.0

61 45.3 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

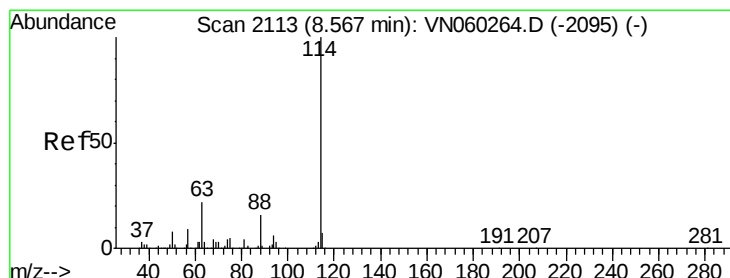
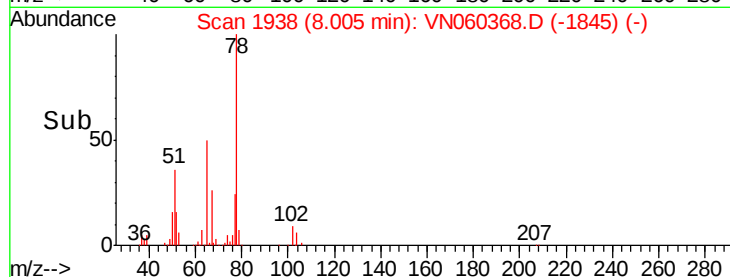
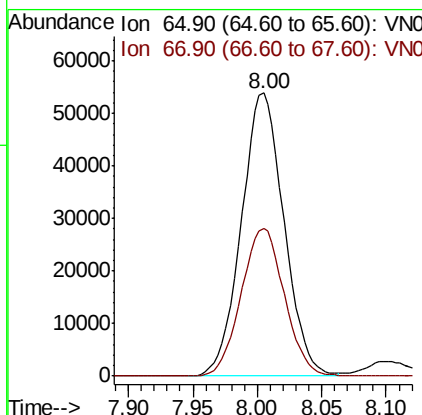
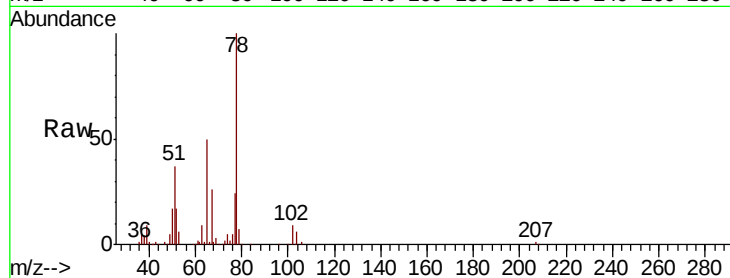




#33
 1,2-Dichloroethane-d4
 Concen: 49.894 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060368.D
 Acq: 5 Mar 2020 16:28

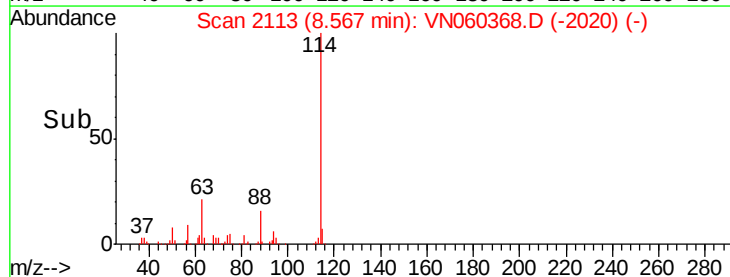
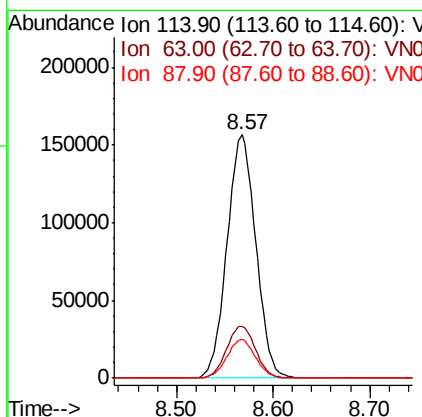
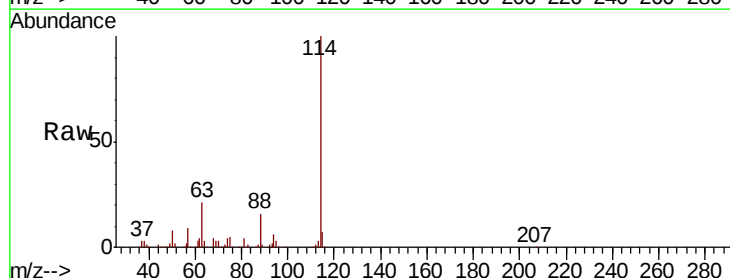
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

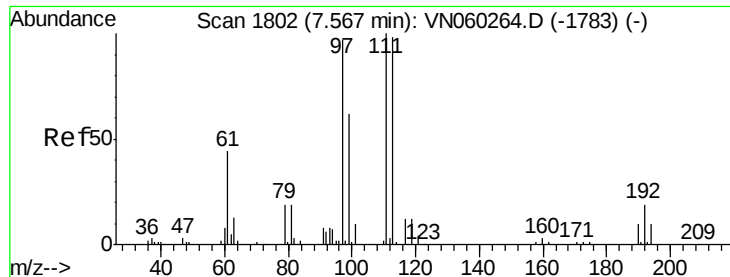
Tot Ion: 65 Resp: 124113
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060368.D
 Acq: 5 Mar 2020 16:28

Tgt Ion: 114 Resp: 323770
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.2
 88 15.9 0.0 31.6

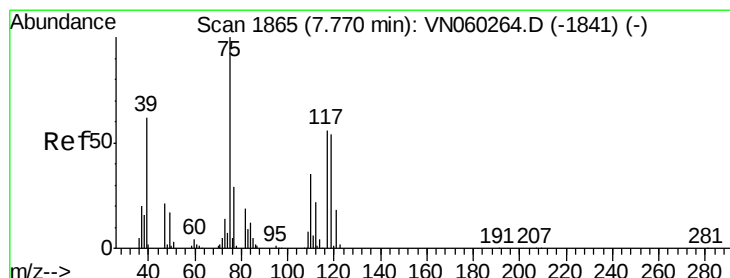
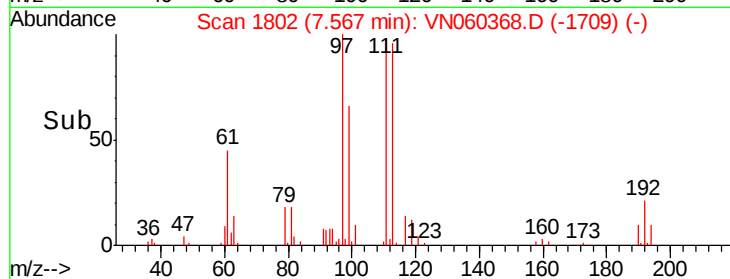
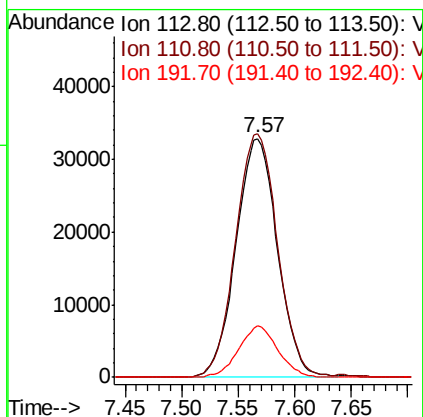
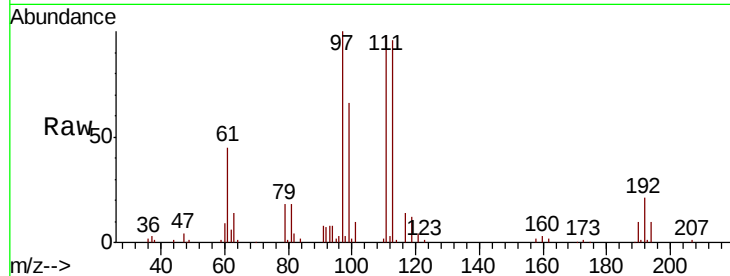




#35
 Dibromofluoromethane
 Concen: 55.746 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060368.D
 Acq: 5 Mar 2020 16:28

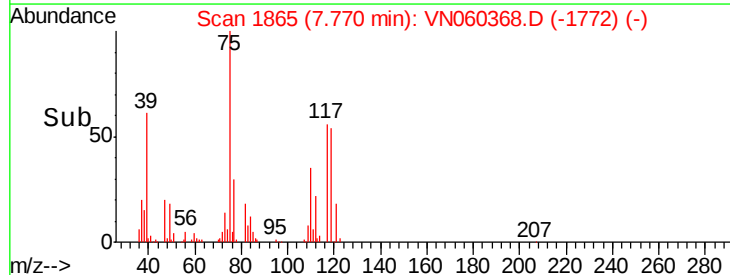
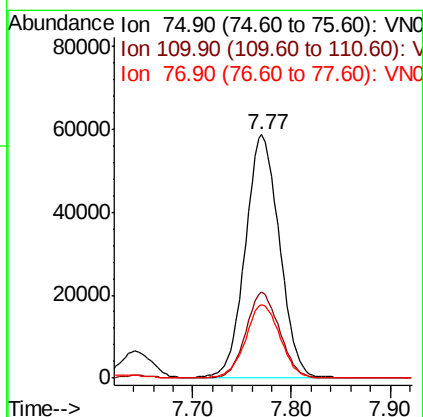
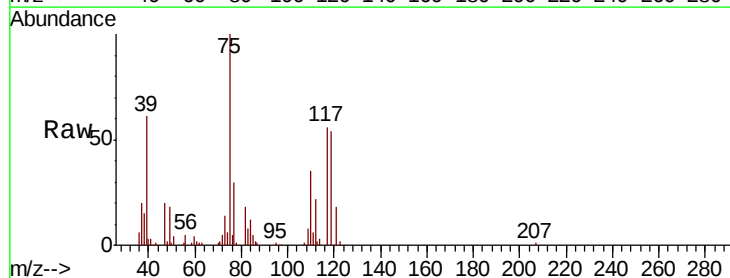
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

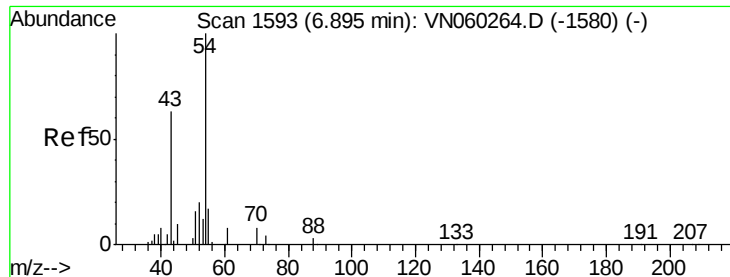
Tot Ion:113 Resp: 83777
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.4 123.6
 192 20.3 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 45.523 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060368.D
 Acq: 5 Mar 2020 16:28

Tgt Ion: 75 Resp: 140471
 Ion Ratio Lower Upper
 75 100
 110 34.6 17.3 52.0
 77 30.4 24.2 36.2

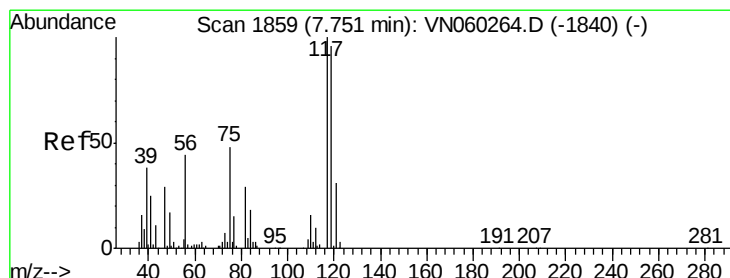
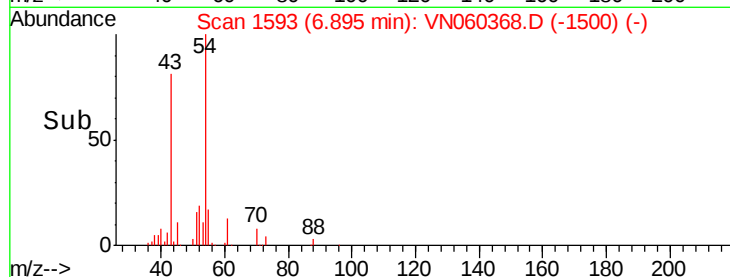
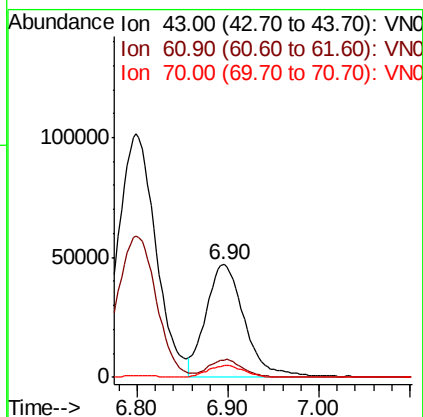
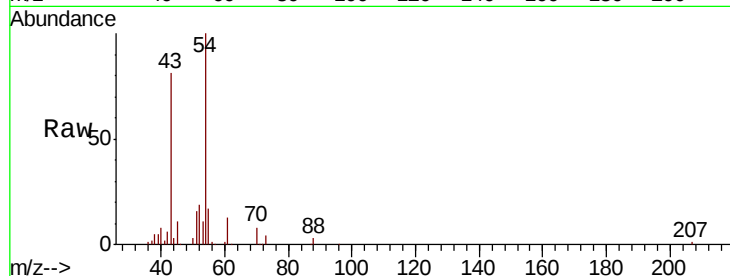




#37
Ethyl Acetate
Concen: 46.753 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

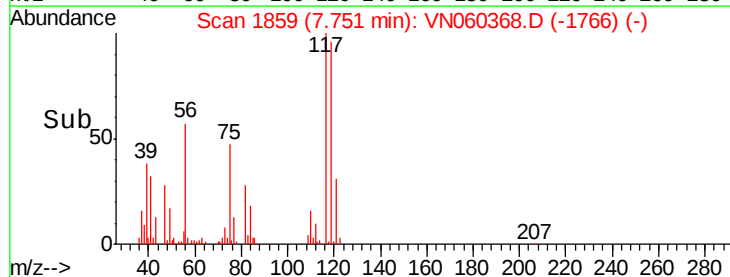
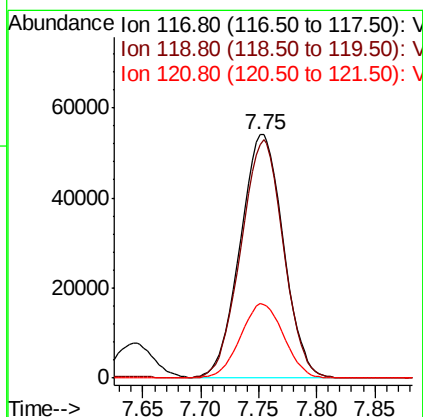
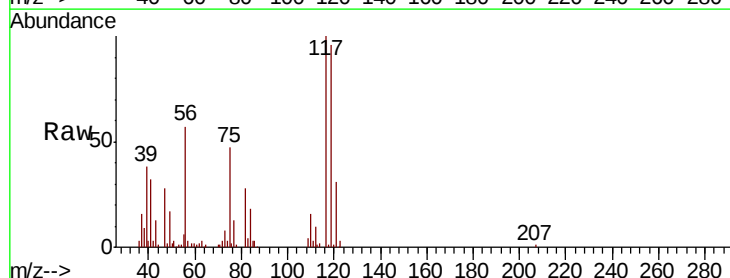
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

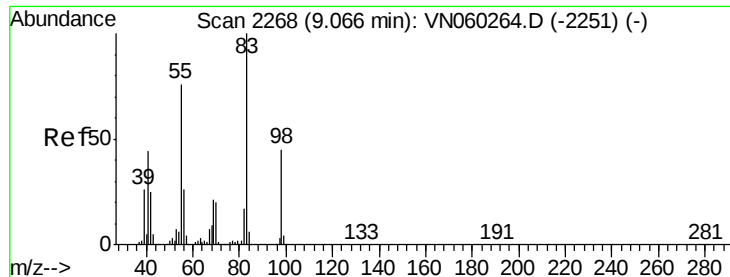
Tot Ion: 43 Resp: 136601
Ion Ratio Lower Upper
43 100
61 14.3 11.1 16.7
70 10.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 46.572 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion: 117 Resp: 139916
Ion Ratio Lower Upper
117 100
119 96.1 76.7 115.1
121 30.5 24.5 36.7

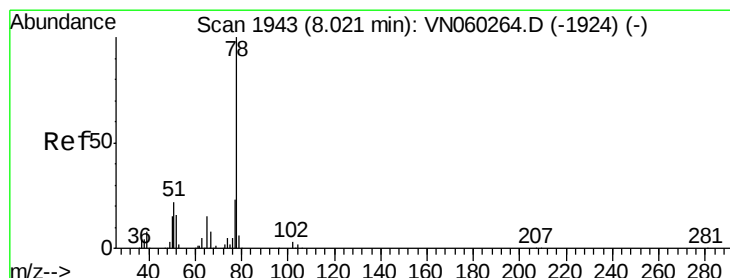
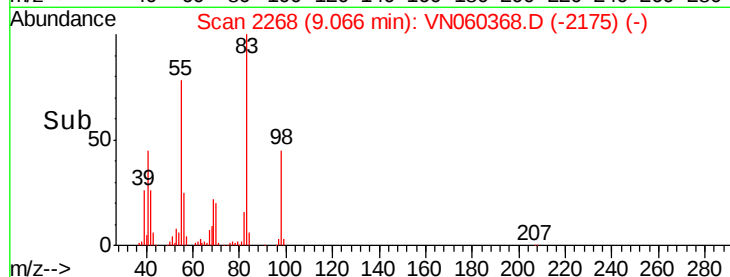
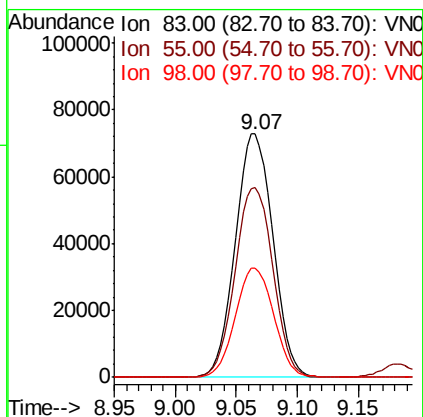
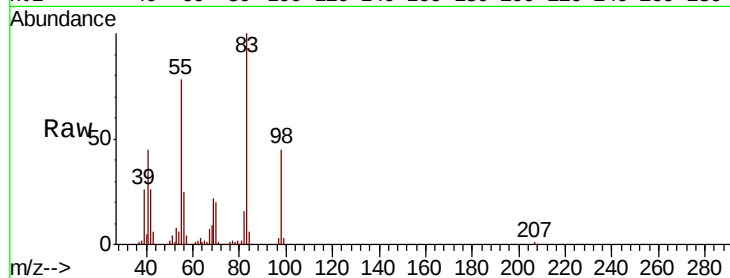




#39
Methvlcvclohexane
Concen: 42.829 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

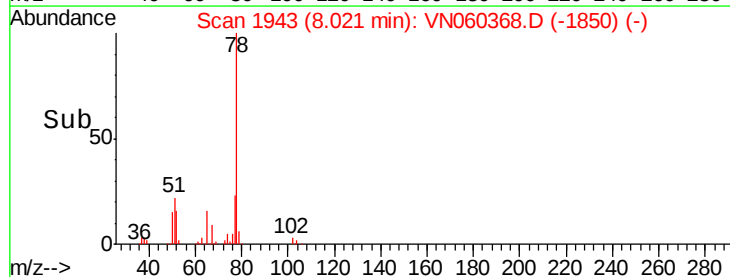
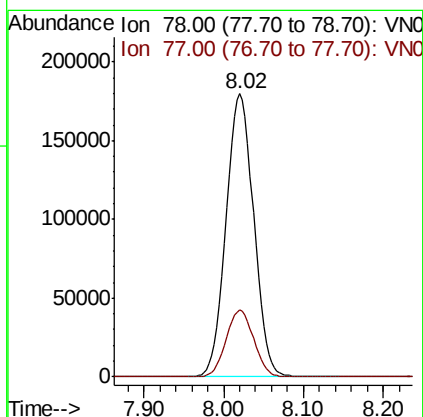
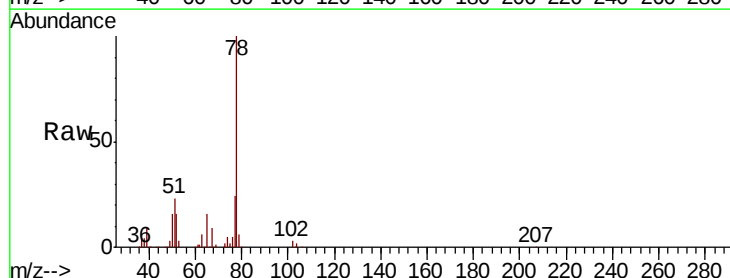
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

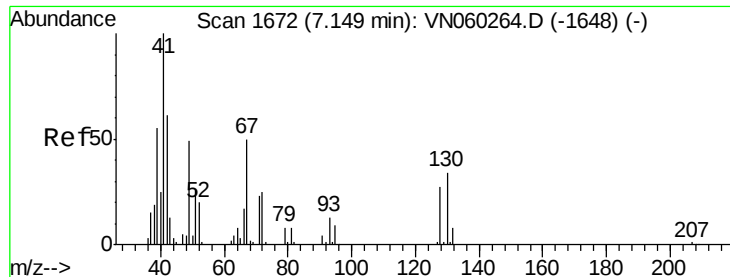
Tot Ion: 83 Resp: 155818
Ion Ratio Lower Upper
83 100
55 78.1 61.0 91.4
98 44.7 36.1 54.1



#40
Benzene
Concen: 47.221 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion: 78 Resp: 424098
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

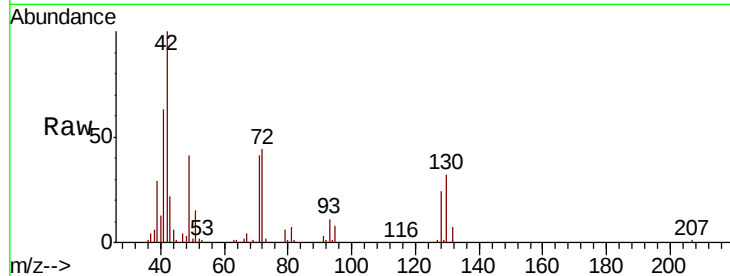




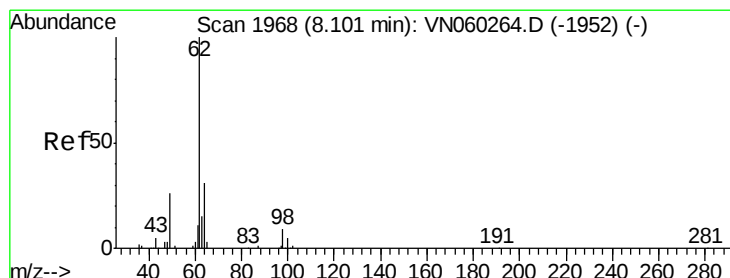
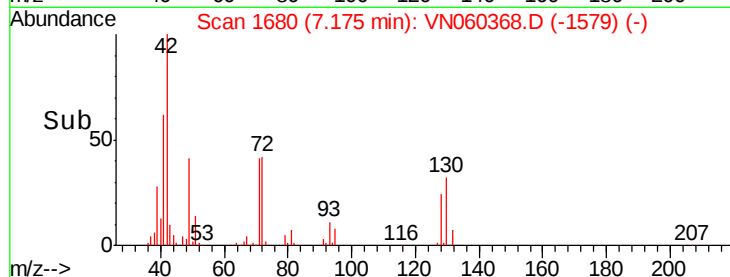
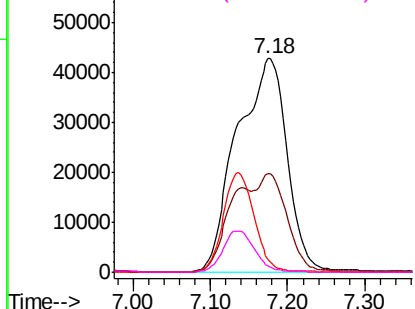
#41
Methacrylonitrile
Concen: 142.801 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.03 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	192651
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

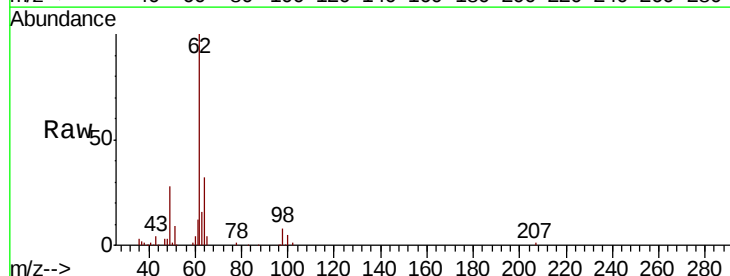


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

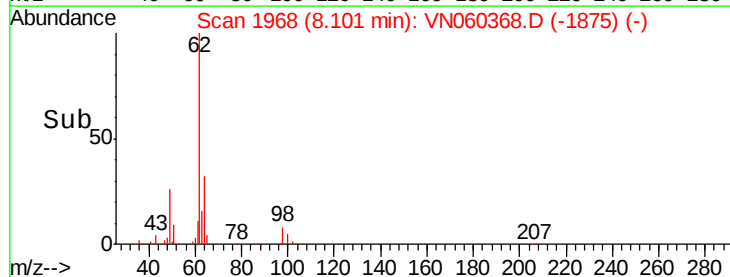
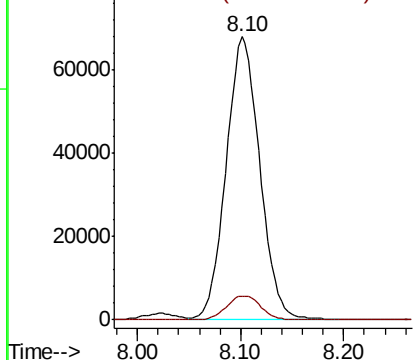


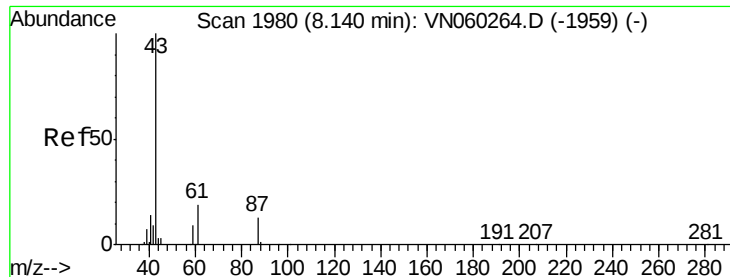
#42
1,2-Dichloroethane
Concen: 47.820 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion:	62	Resp:	154979
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: 48.415 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

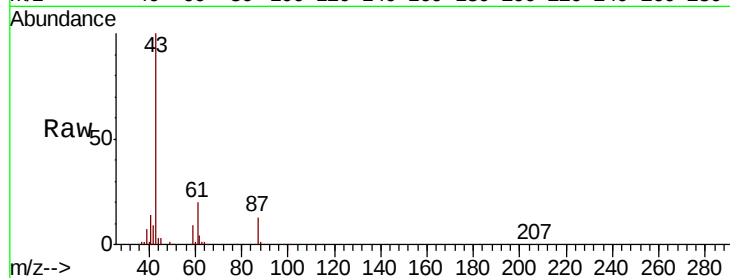
Tot Ion: 43 Resp: 247643

Ion Ratio Lower Upper

43 100

61 26.6 20.9 31.3

87 12.8 10.6 16.0



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060264.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060264.D (-1959) (-)

8.14

150000

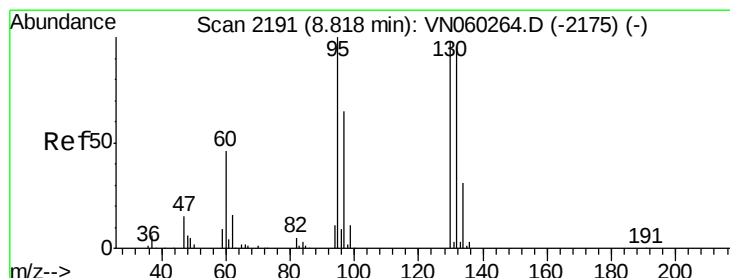
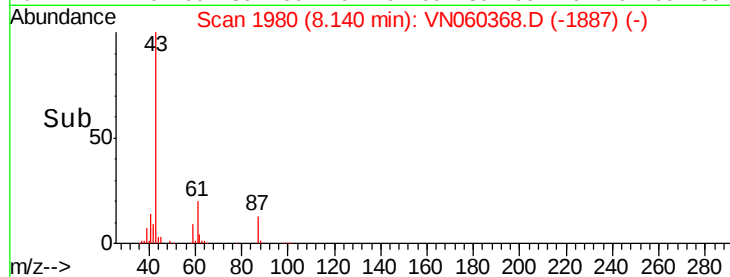
100000

50000

0

Time-->

8.00 8.10 8.20 8.30



#44

Trichloroethene

Concen: 46.455 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060368.D

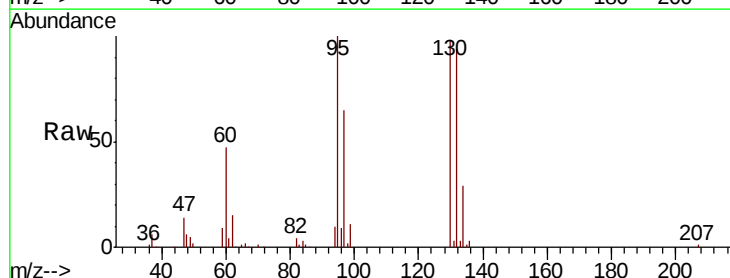
Acq: 5 Mar 2020 16:28

Tgt Ion:130 Resp: 116198

Ion Ratio Lower Upper

130 100

95 102.1 0.0 203.4



Abundance Ion 129.80 (129.50 to 130.50): VN060264.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060264.D (-2175) (-)

60000

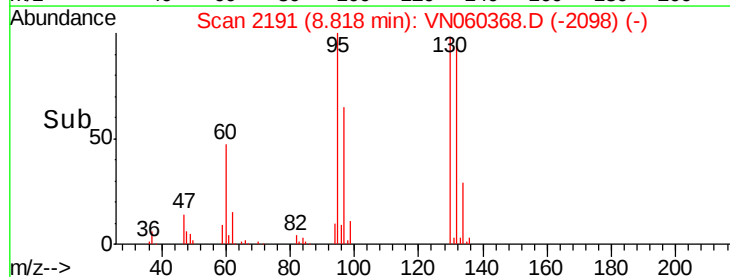
40000

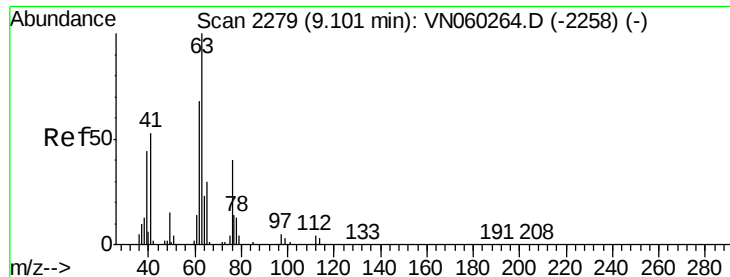
20000

0

Time-->

8.75 8.80 8.85 8.90





#45

1,2-Dichloropropane

Concen: 50.068 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

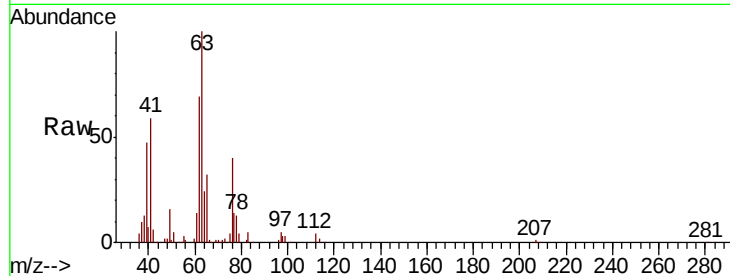
VSTDCCC050EC

Tot Ion: 63 Resp: 117567

Ion Ratio Lower Upper

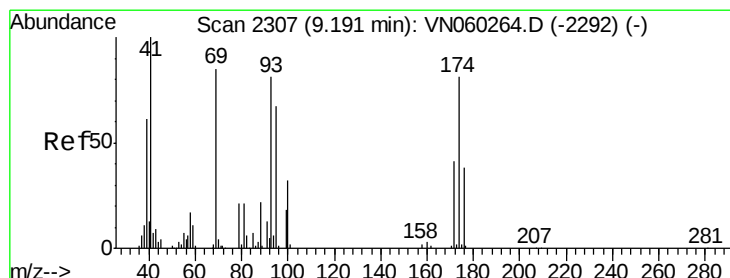
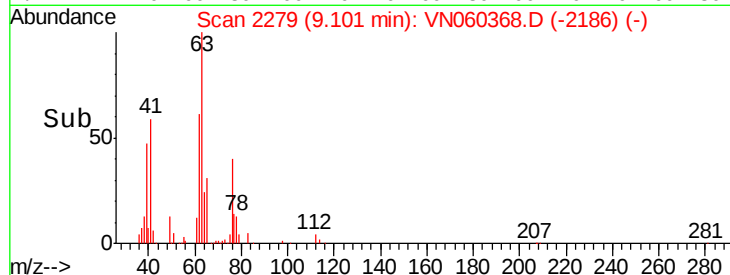
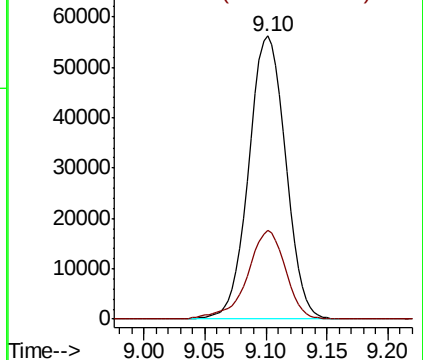
63 100

65 31.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 47.304 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

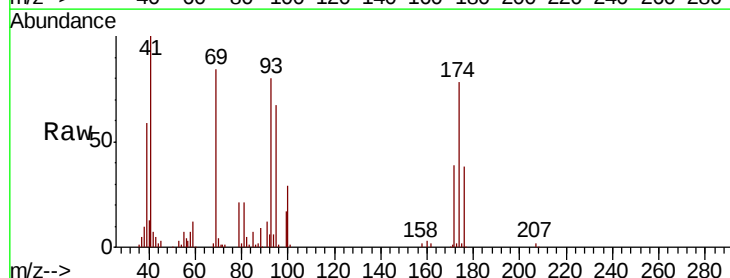
Tgt Ion: 93 Resp: 72073

Ion Ratio Lower Upper

93 100

95 83.8 65.9 98.9

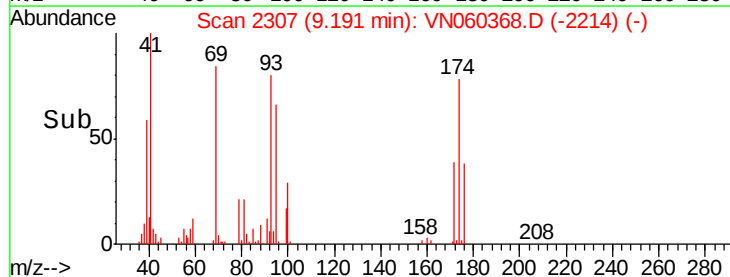
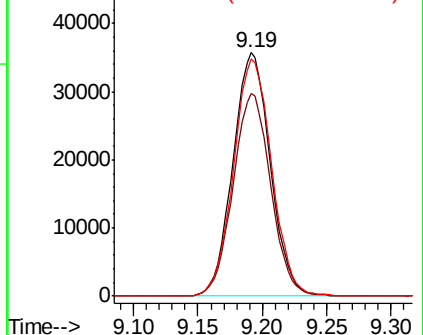
174 99.0 79.6 119.4

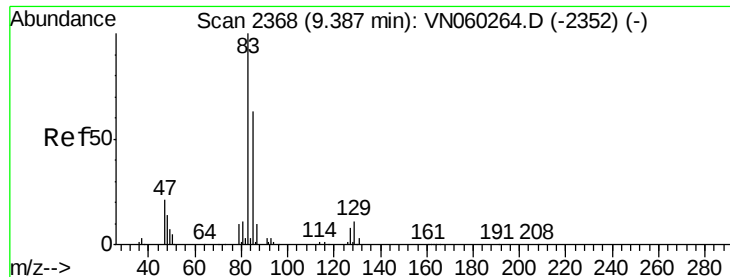


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 50.072 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

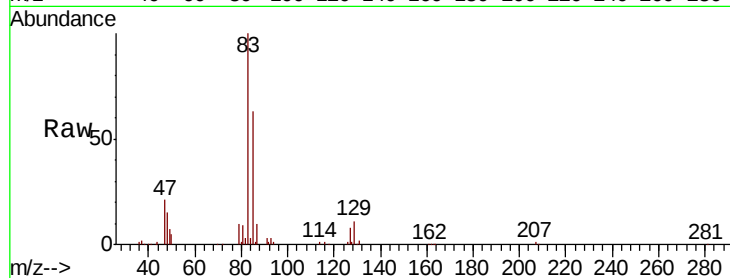
Tot Ion: 83 Resp: 155163

Ion Ratio Lower Upper

83 100

85 63.4 50.7 76.1

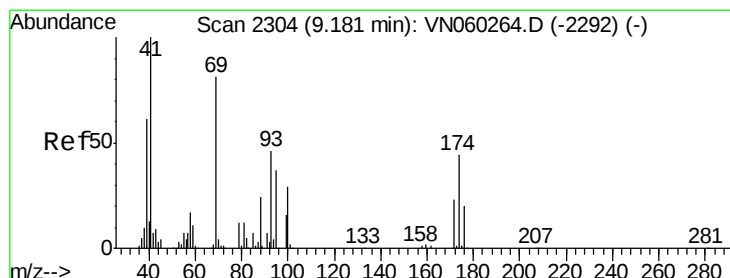
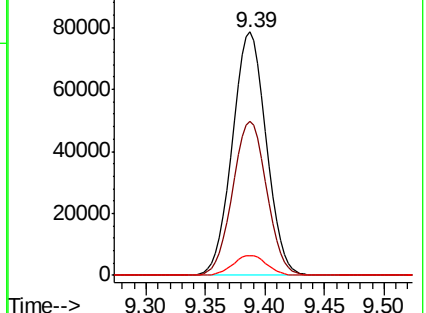
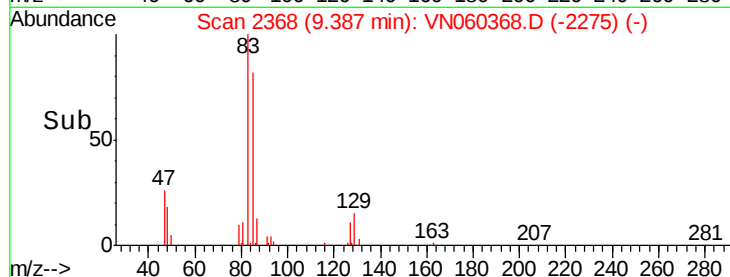
127 8.3 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN060368.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060368.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060368.D (-2275) (-)



#48

Methyl methacrylate

Concen: 47.051 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

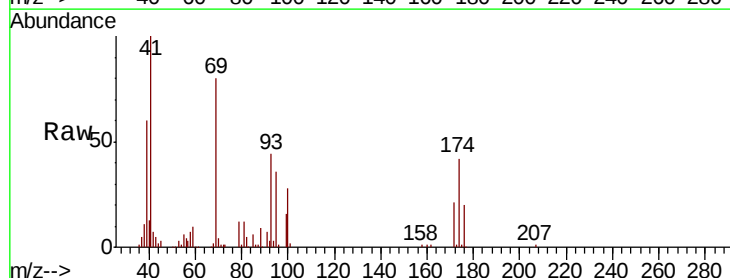
Tgt Ion: 41 Resp: 109747

Ion Ratio Lower Upper

41 100

69 84.5 66.7 100.1

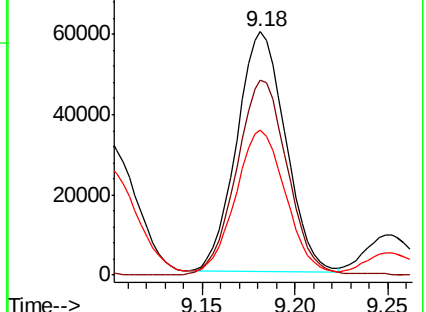
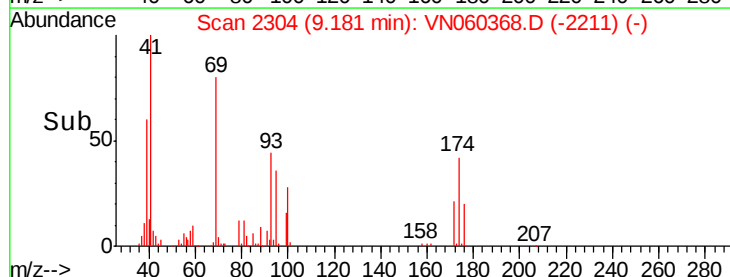
39 62.0 50.1 75.1

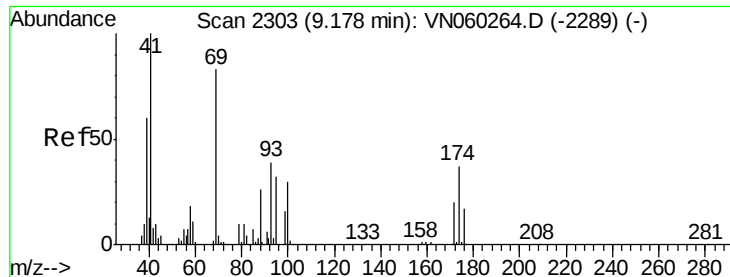


Abundance Ion 41.00 (40.70 to 41.70): VN060368.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060368.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060368.D (-2211) (-)

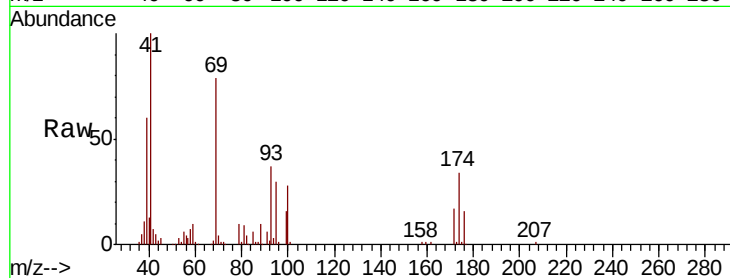




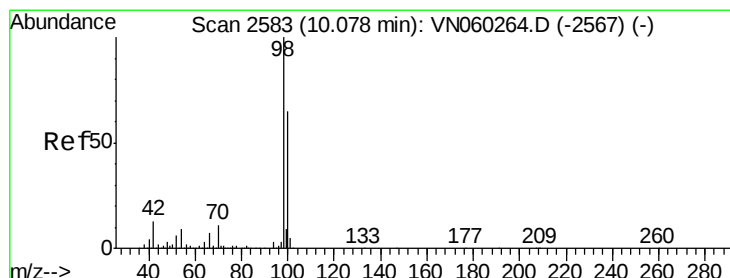
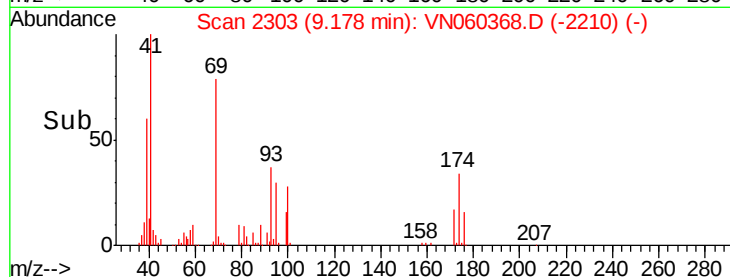
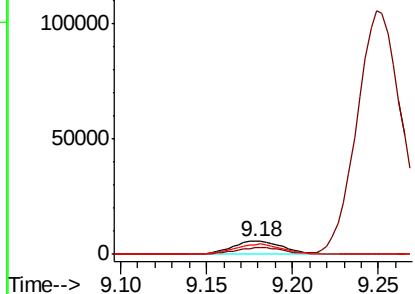
#49
1,4-Dioxane
Concen: 364.860 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 11968
Ion Ratio Lower Upper
88 100
43 47.9 30.4 45.6#
58 72.3 57.0 85.6

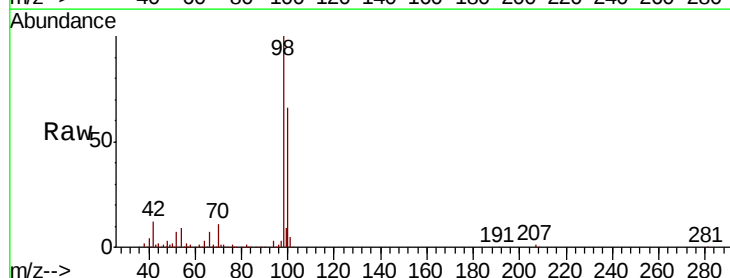


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

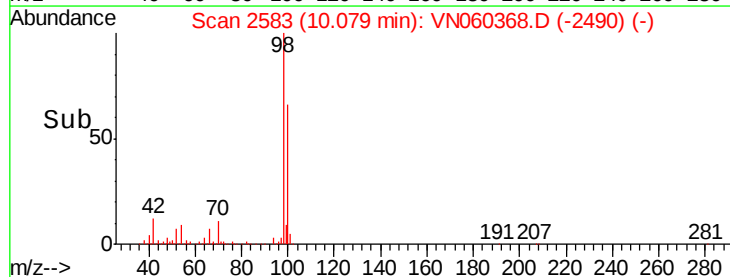
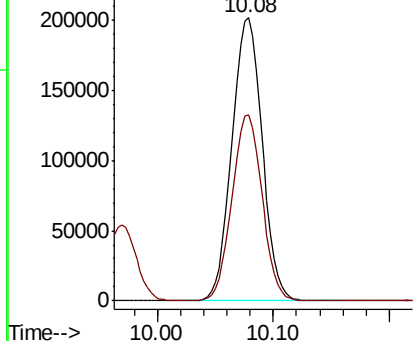


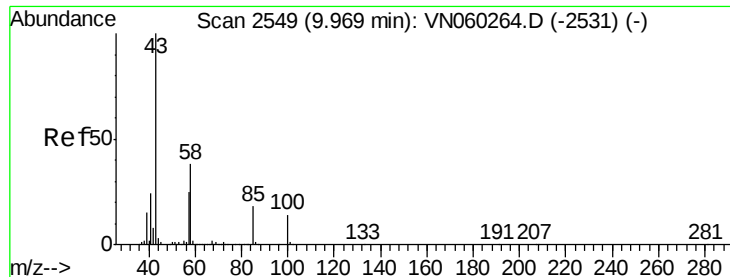
#50
Toluene-d8
Concen: 47.816 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion: 98 Resp: 363689
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 239.266 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

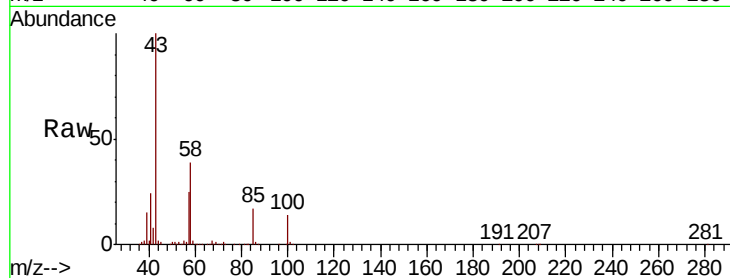
VSTDCCC050EC

Tot Ion: 43 Resp: 693904

Ion Ratio Lower Upper

43 100

58 38.5 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)

9.97

400000

300000

200000

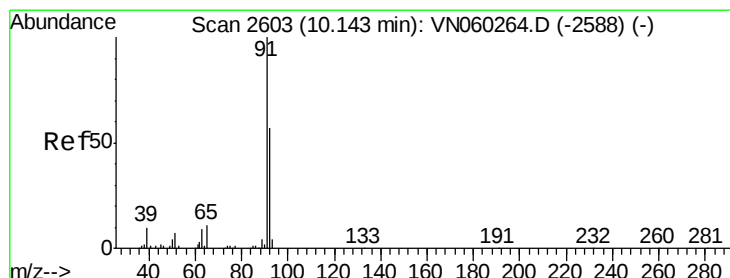
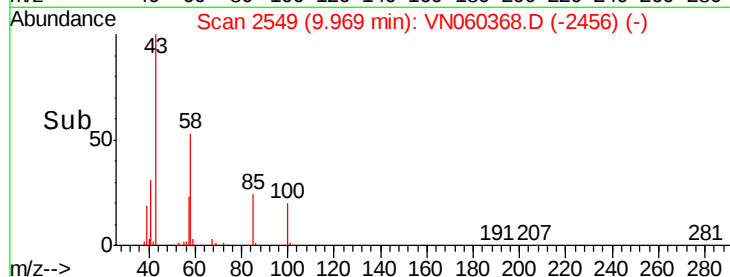
100000

0

Time-->

9.90

10.00



#52

Toluene

Concen: 46.716 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060368.D

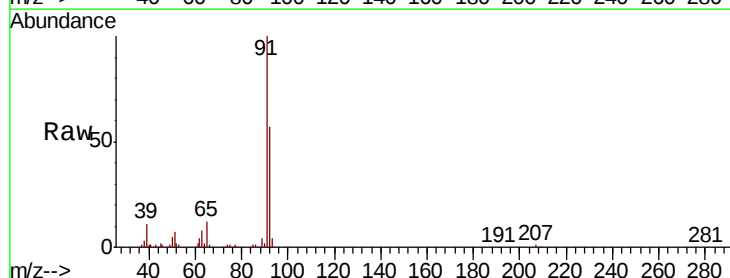
Acq: 5 Mar 2020 16:28

Tgt Ion: 92 Resp: 263555

Ion Ratio Lower Upper

92 100

91 173.2 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN060264.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN060264.D (-2588) (-)

10.14

300000

250000

200000

150000

100000

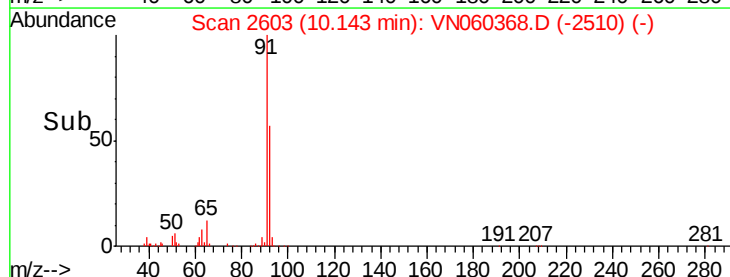
50000

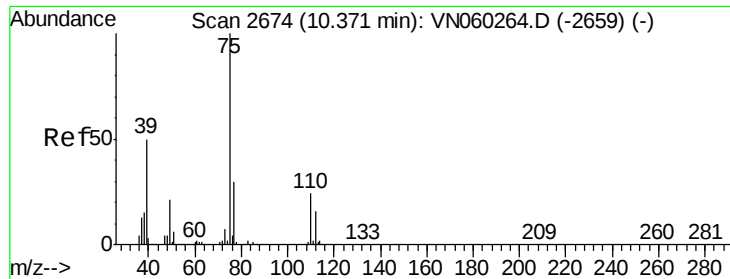
0

Time-->

10.10

10.20





#53

t-1,3-Dichloropropene

Concen: 46.711 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

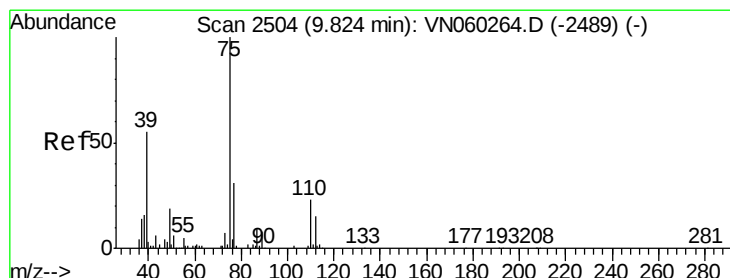
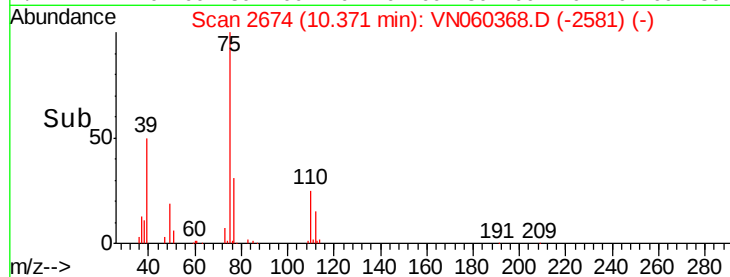
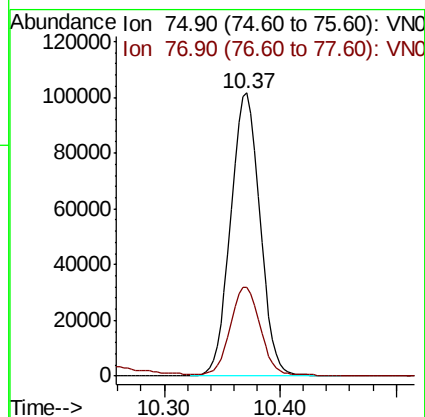
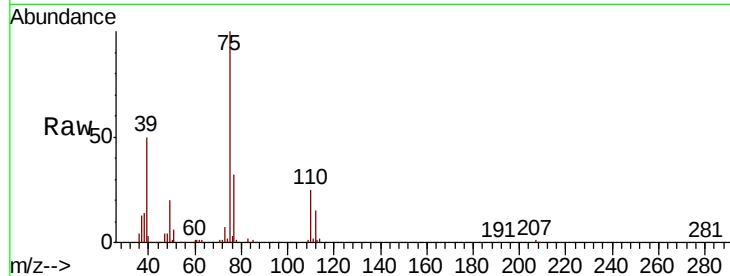
VSTDCCC050EC

Tot Ion: 75 Resp: 177363

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 47.478 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

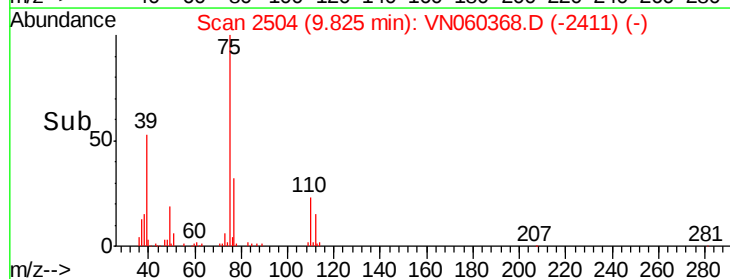
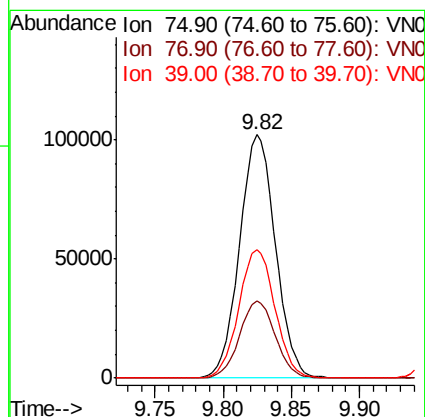
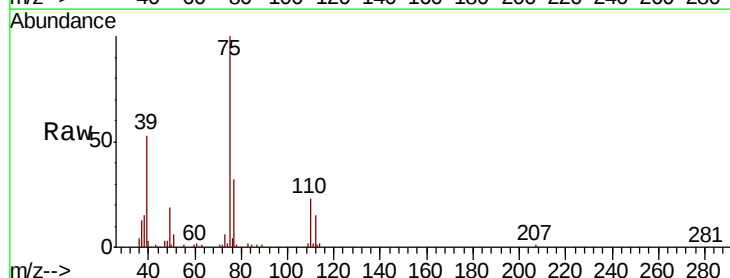
Tgt Ion: 75 Resp: 186806

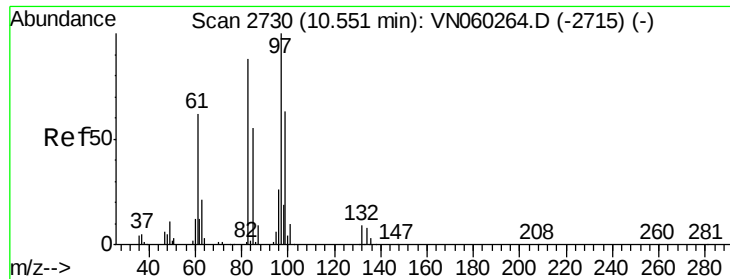
Ion Ratio Lower Upper

75 100

77 31.6 24.8 37.2

39 53.0 43.8 65.8

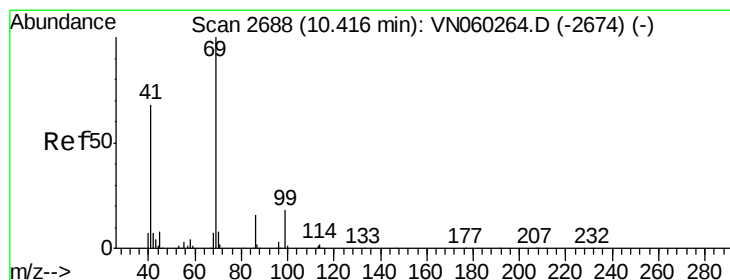
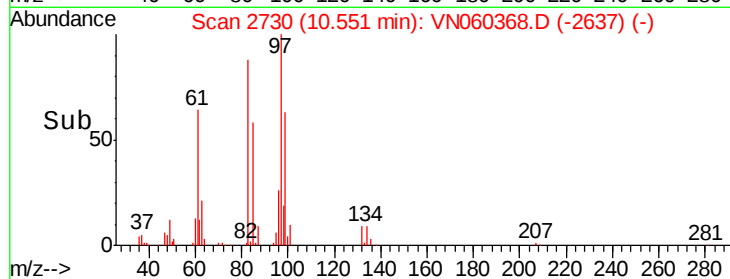
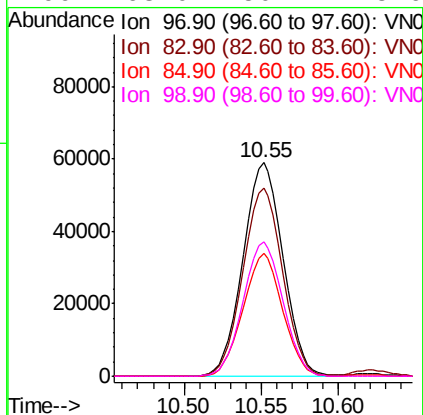
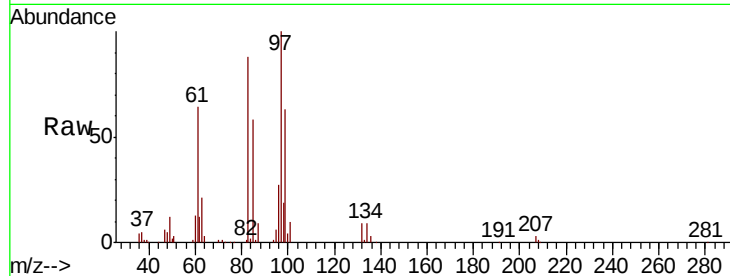




#55
 1,1,2-Trichloroethane
 Concen: 46.902 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060368.D
 Acq: 5 Mar 2020 16:28

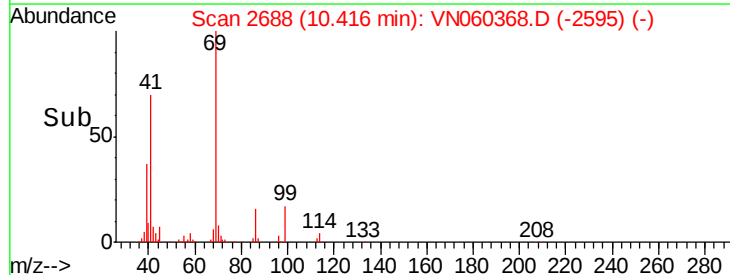
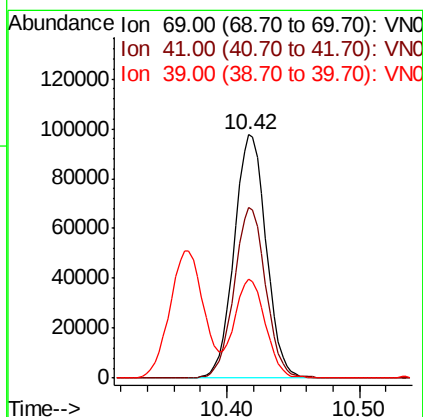
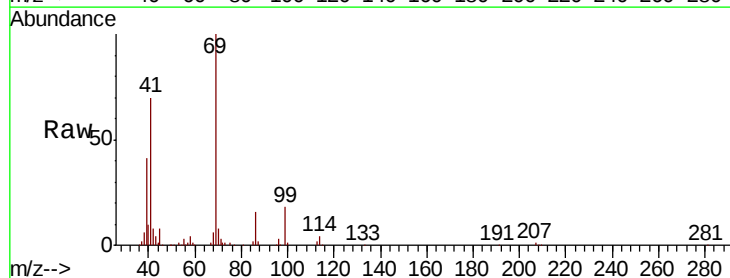
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

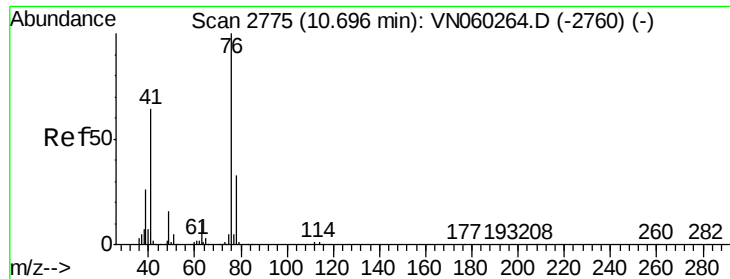
Tot Ion: 97 Resp: 106408
 Ion Ratio Lower Upper
 97 100
 83 87.9 70.0 105.0
 85 57.5 44.0 66.0
 99 63.0 50.4 75.6



#56
 Ethyl methacrylate
 Concen: 50.154 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060368.D
 Acq: 5 Mar 2020 16:28

Tgt Ion: 69 Resp: 163472
 Ion Ratio Lower Upper
 69 100
 41 68.7 54.1 81.1
 39 40.4 32.5 48.7





#57

1,3-Dichloropropane

Concen: 48.300 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

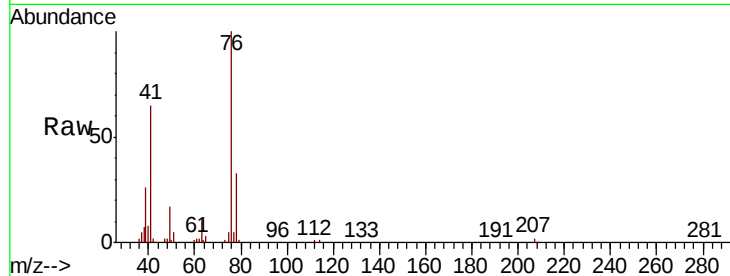
VSTDCCC050EC

Tot Ion: 76 Resp: 178702

Ion Ratio Lower Upper

76 100

78 33.0 26.2 39.2



Abundance Ion 75.90 (75.60 to 76.60): VN060368.D (-2760) (-)

Ion 77.90 (77.60 to 78.60): VN060368.D (-2760) (-)

10.70

100000

80000

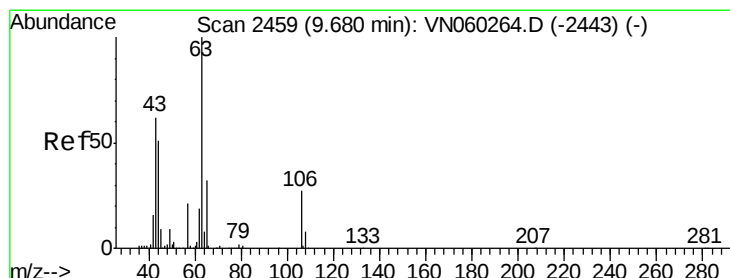
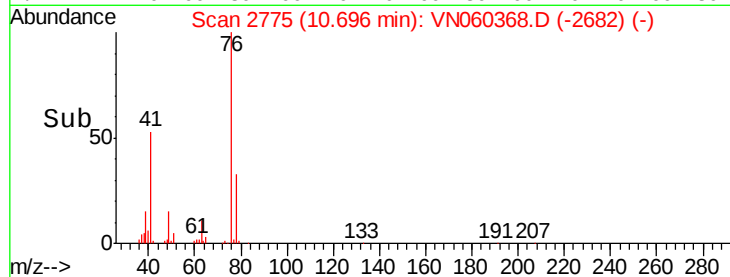
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 241.700 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060368.D

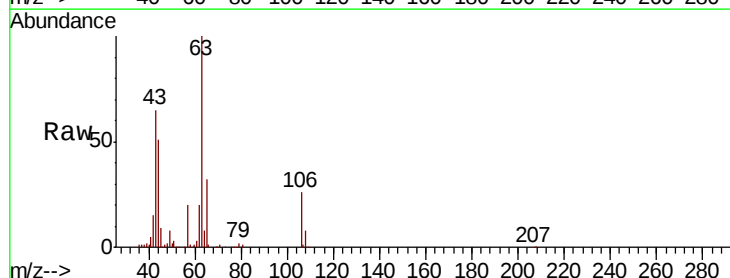
Acq: 5 Mar 2020 16:28

Tgt Ion: 63 Resp: 412019

Ion Ratio Lower Upper

63 100

106 25.8 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN060368.D (-2443) (-)

Ion 105.90 (105.60 to 106.60): VN060368.D (-2443) (-)

9.68

250000

200000

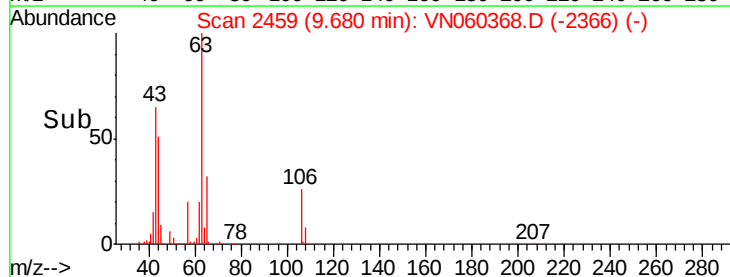
150000

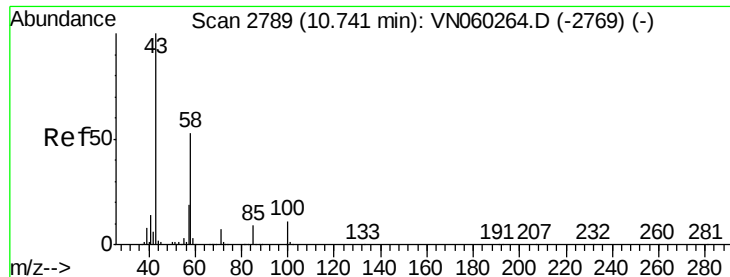
100000

50000

0

Time--> 9.60 9.70 9.80





#59

2-Hexanone

Concen: 228.386 ug/l

RT: 10.74 min Scan# 2789

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

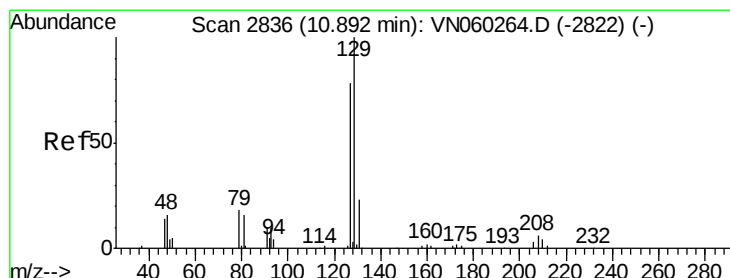
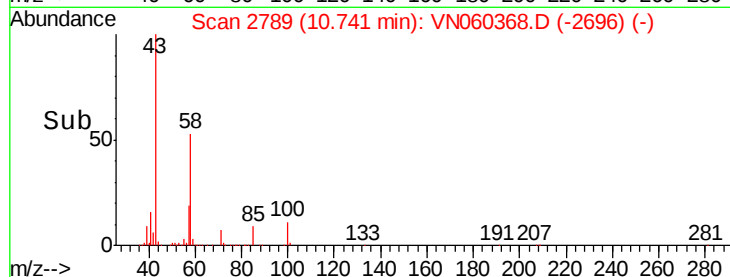
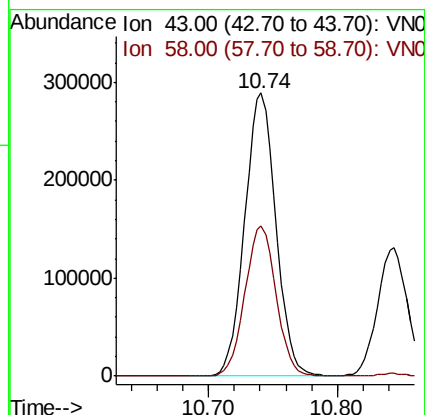
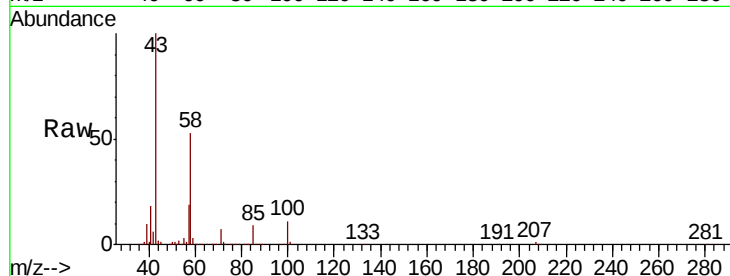
VSTDCCC050EC

Tot Ion: 43 Resp: 486315

Ion Ratio Lower Upper

43 100

58 53.1 26.5 79.5



#60

Dibromochloromethane

Concen: 49.351 ug/l

RT: 10.89 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN060368.D

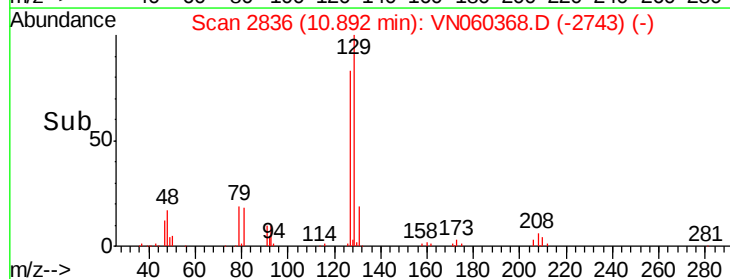
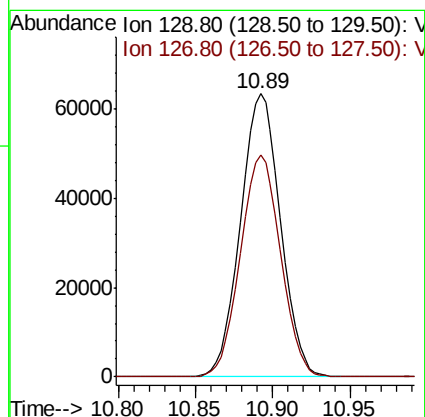
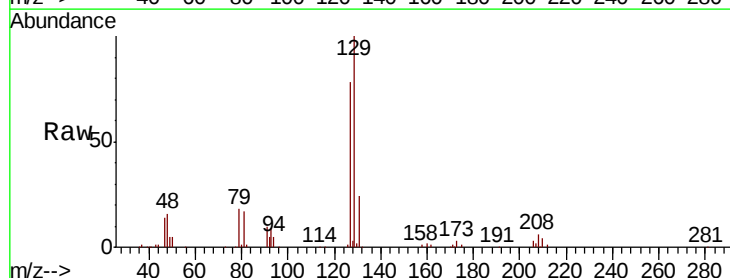
Acq: 5 Mar 2020 16:28

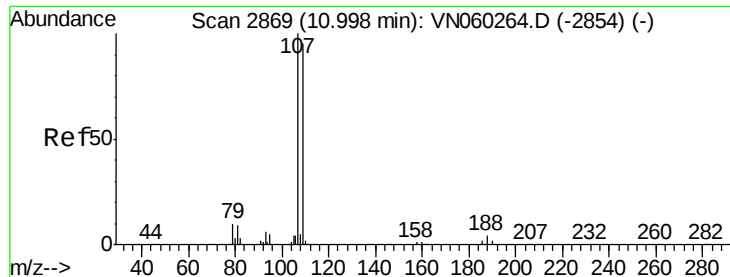
Tgt Ion: 129 Resp: 113863

Ion Ratio Lower Upper

129 100

127 78.7 38.9 116.7





#61

1,2-Dibromoethane

Concen: 48.308 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

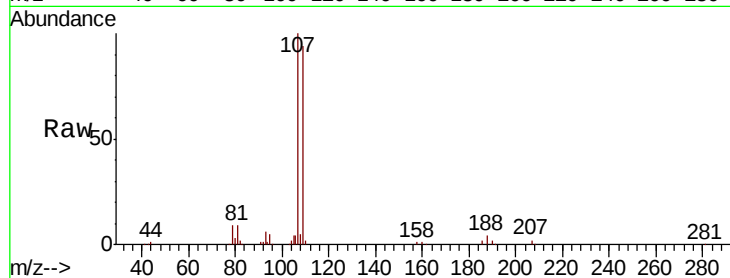
VSTDCCC050EC

Tot Ion:107 Resp: 106838

Ion Ratio Lower Upper

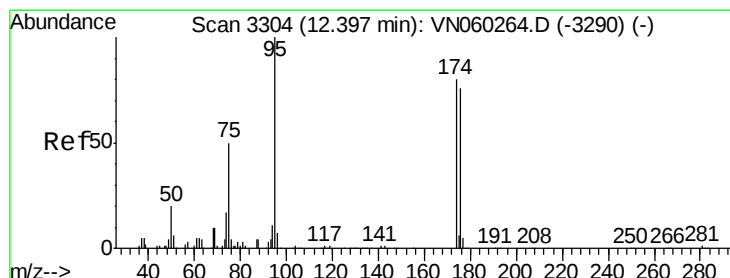
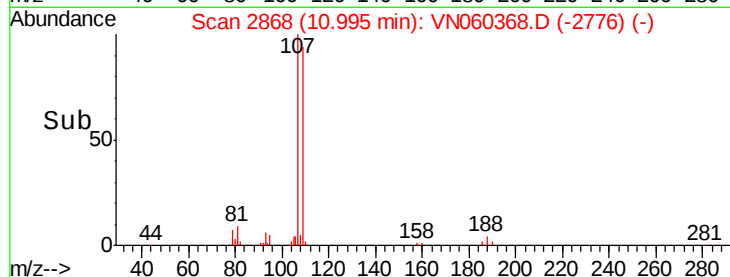
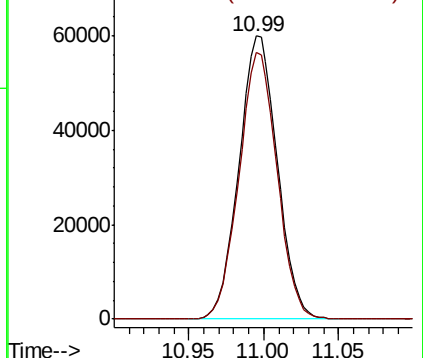
107 100

109 93.5 76.8 115.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.086 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

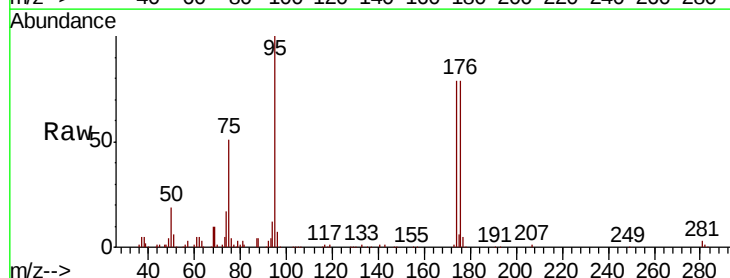
Tgt Ion: 95 Resp: 138645

Ion Ratio Lower Upper

95 100

174 78.7 0.0 159.2

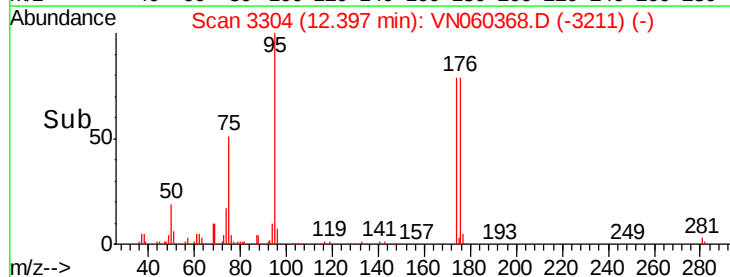
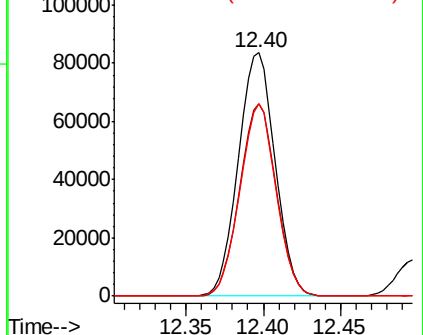
176 77.5 0.0 153.8

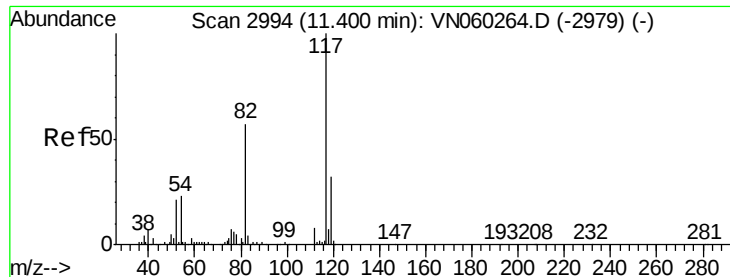


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

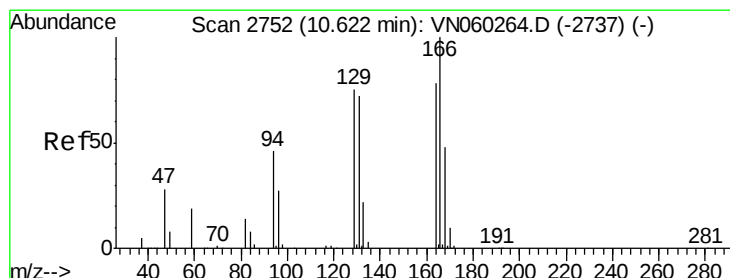
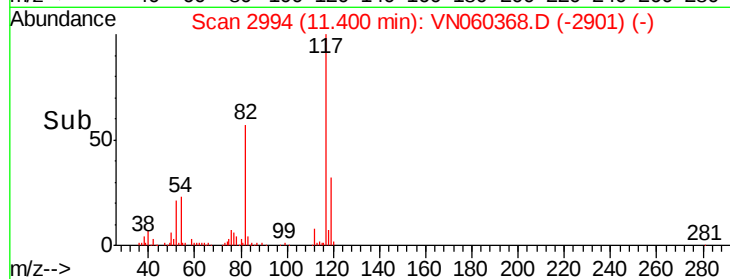
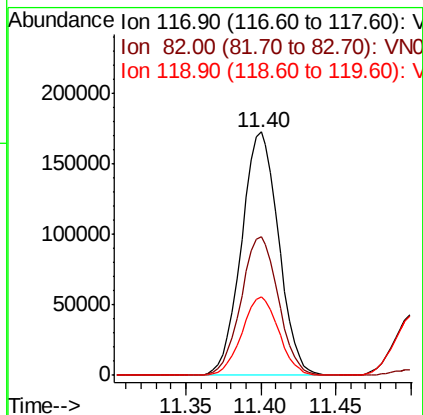
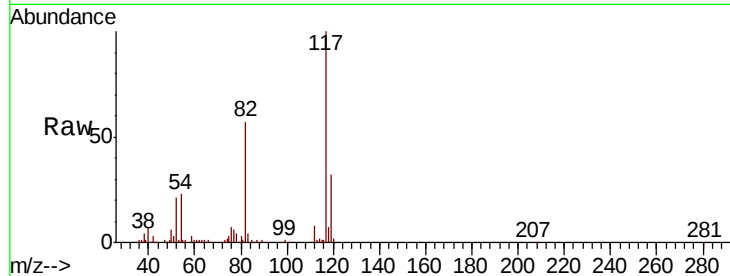




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

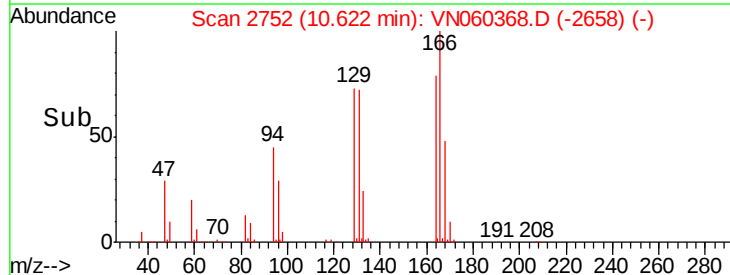
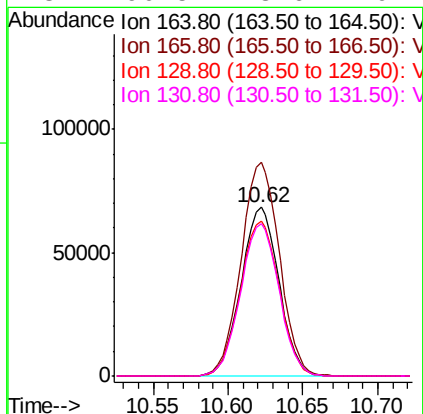
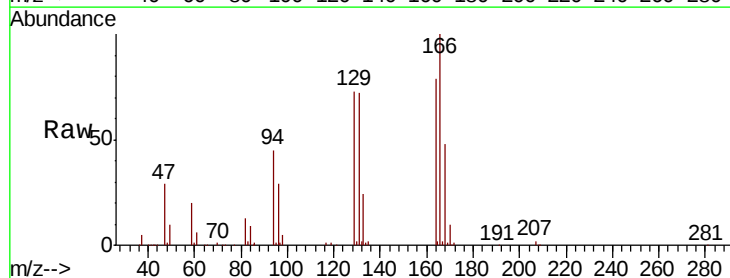
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

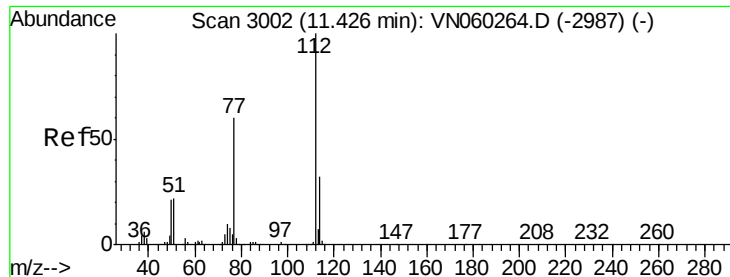
Tot Ion:117 Resp: 297747
Ion Ratio Lower Upper
117 100
82 57.0 45.8 68.6
119 32.1 25.8 38.8



#64
Tetrachloroethene
Concen: 51.483 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion:164 Resp: 120594
Ion Ratio Lower Upper
164 100
166 126.5 102.0 153.0
129 92.0 76.4 114.6
131 90.5 73.6 110.4

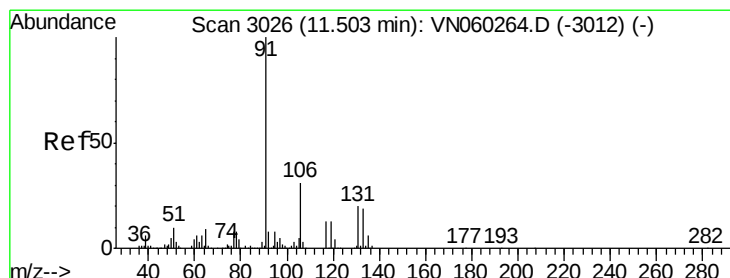
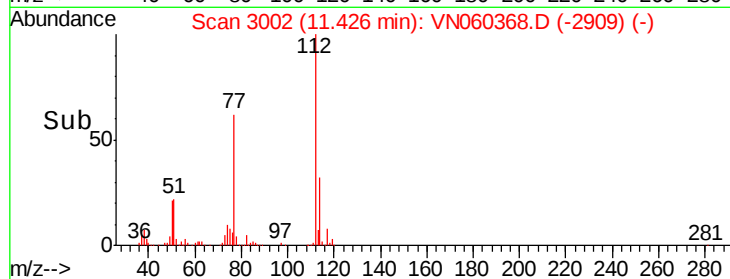
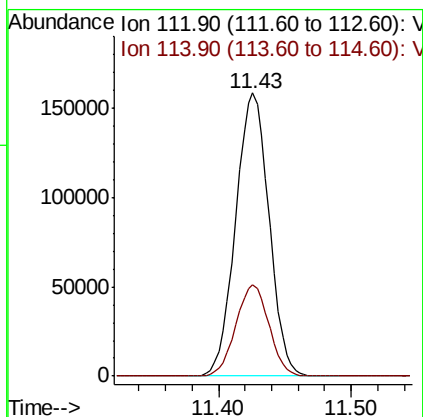
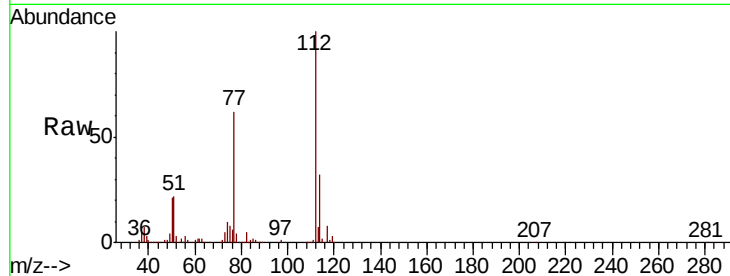




#65
Chlorobenzene
Concen: 46.087 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

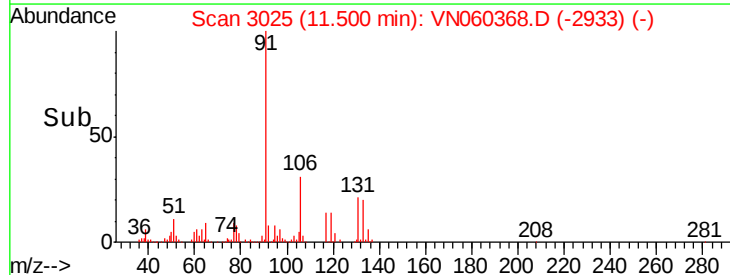
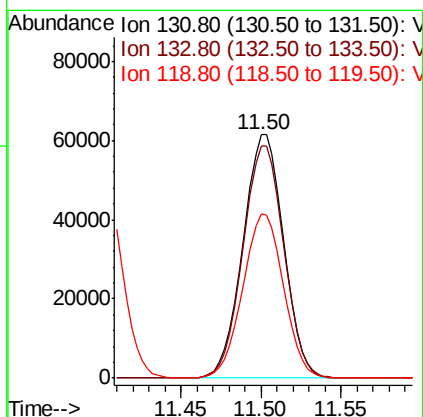
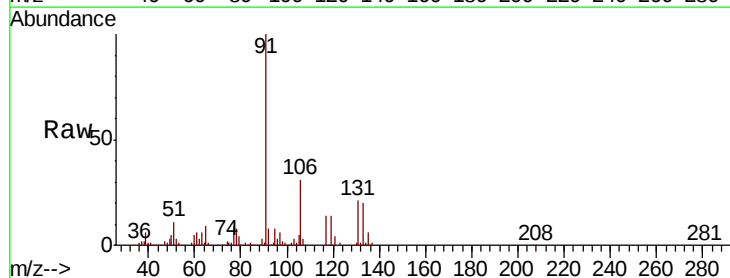
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

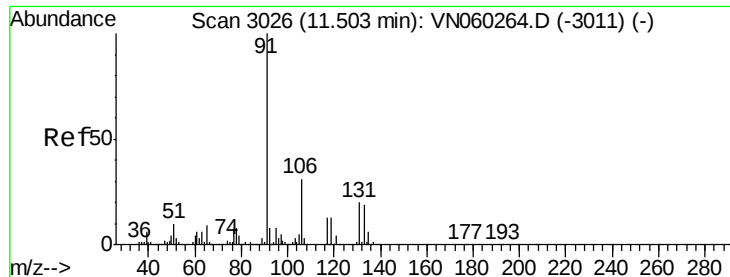
Tot Ion:112 Resp: 277087
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 47.963 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion:131 Resp: 106622
Ion Ratio Lower Upper
131 100
133 96.4 47.7 143.1
119 67.6 33.2 99.6

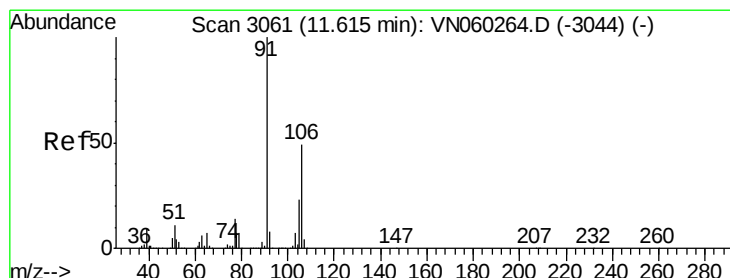
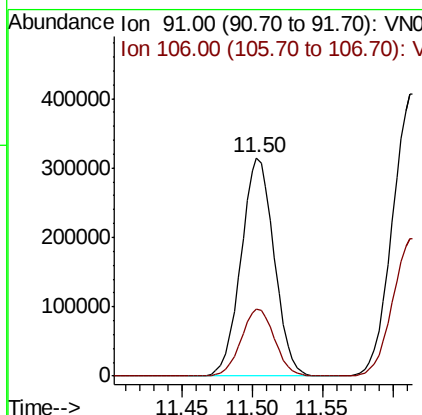
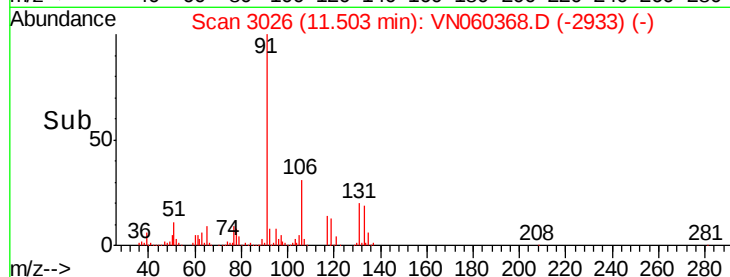
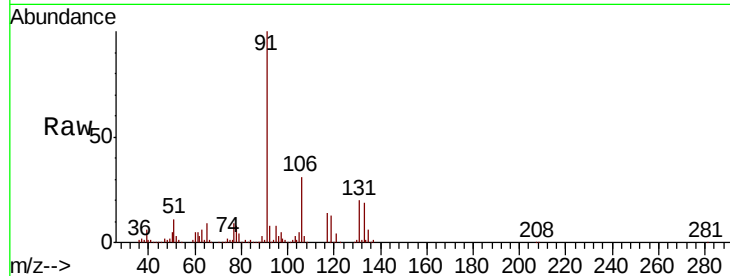




#67
Ethyl Benzene
Concen: 47.160 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

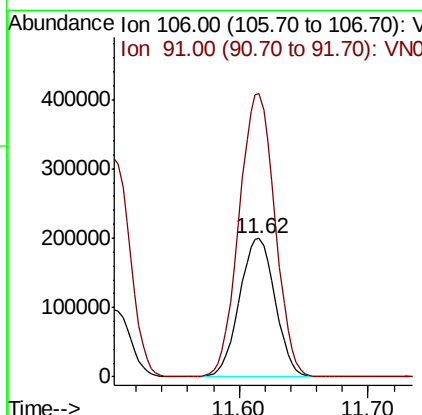
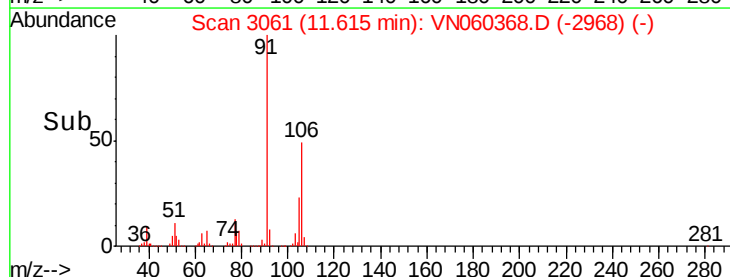
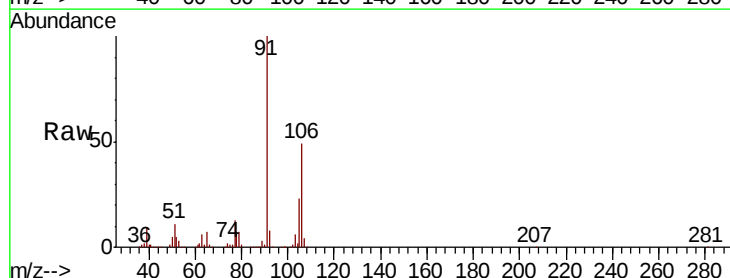
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

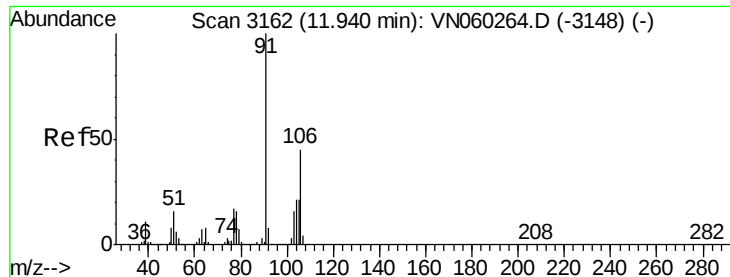
Tot Ion: 91 Resp: 516346
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1



#68
m/p-Xylenes
Concen: 92.999 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion: 106 Resp: 384168
Ion Ratio Lower Upper
106 100
91 205.2 164.5 246.7

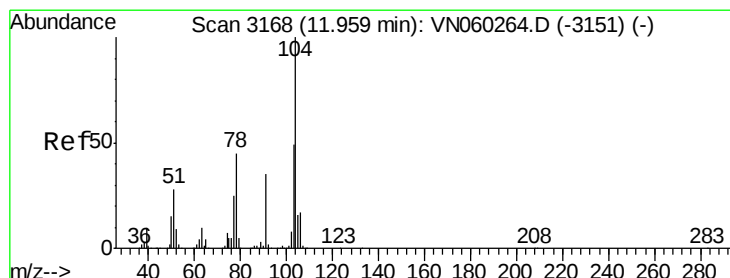
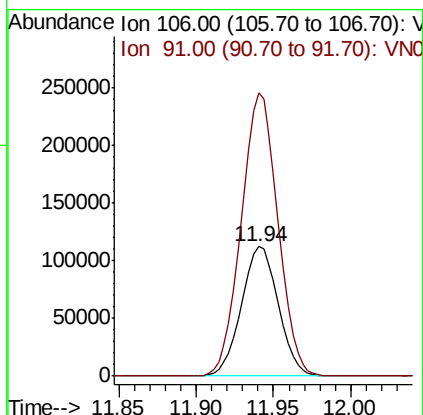
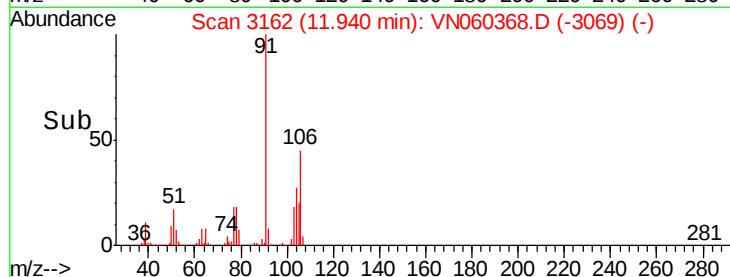
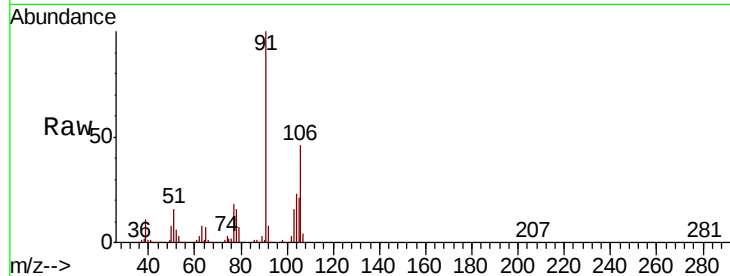




#69
o-Xylene
Concen: 47.323 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

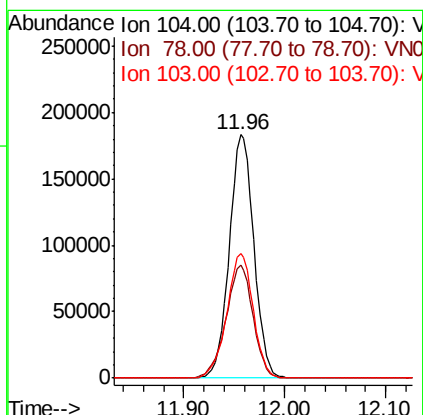
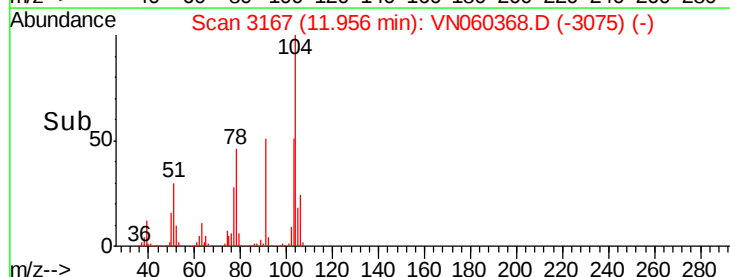
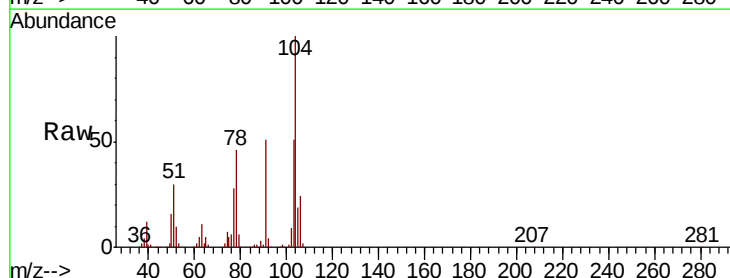
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

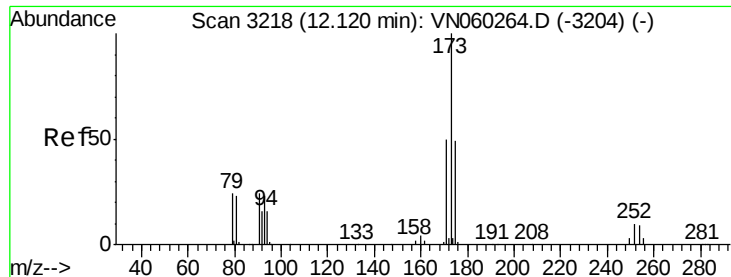
Tot Ion:106 Resp: 186412
Ion Ratio Lower Upper
106 100
91 217.2 109.5 328.4



#70
Styrene
Concen: 48.077 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion:104 Resp: 311372
Ion Ratio Lower Upper
104 100
78 51.1 41.2 61.8
103 54.9 43.9 65.9





#71

Bromoform

Concen: 50.373 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

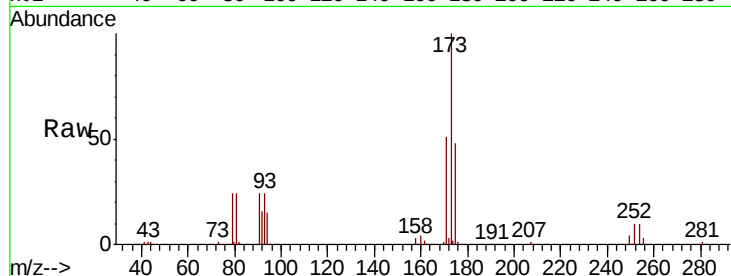
Tot Ion:173 Resp: 80705

Ion Ratio Lower Upper

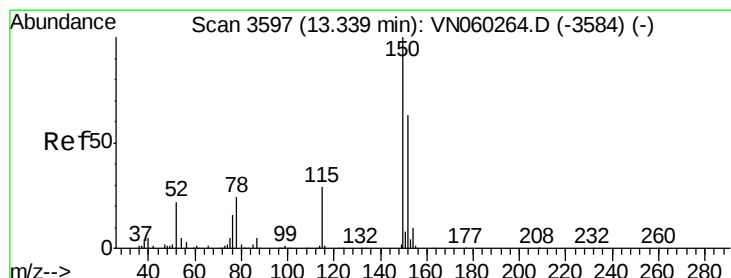
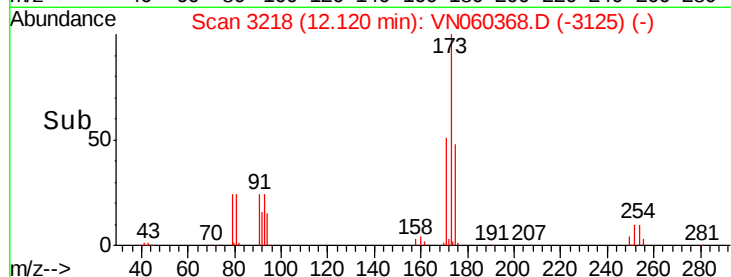
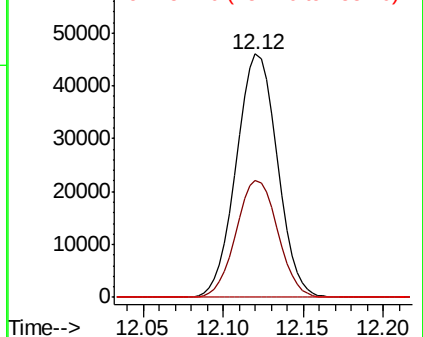
173 100

175 48.7 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: VN060368.D

Acq: 5 Mar 2020 16:28

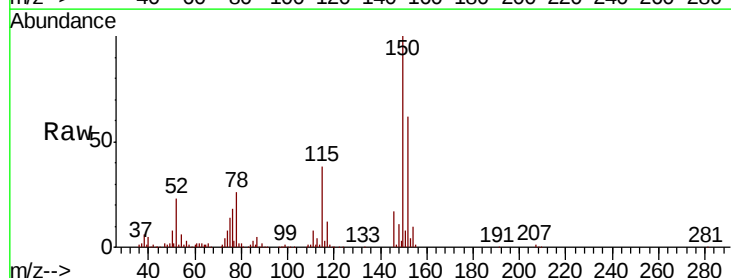
Tgt Ion:152 Resp: 143357

Ion Ratio Lower Upper

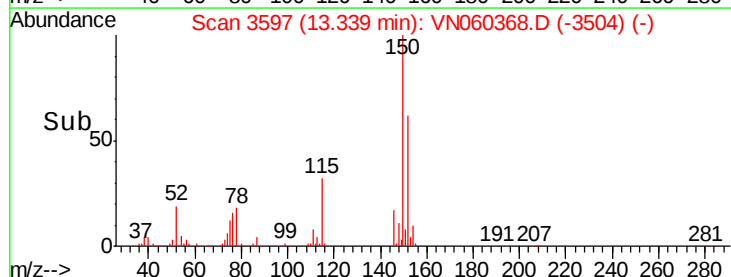
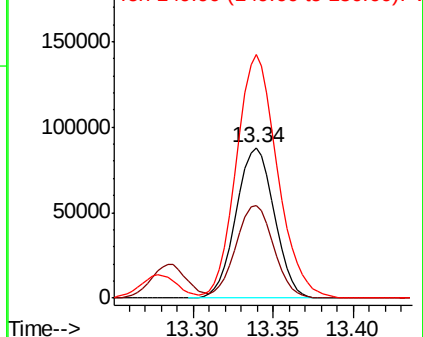
152 100

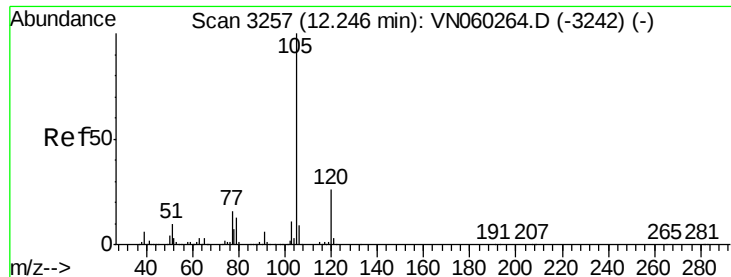
115 60.8 30.0 90.0

150 174.2 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: 47.320 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

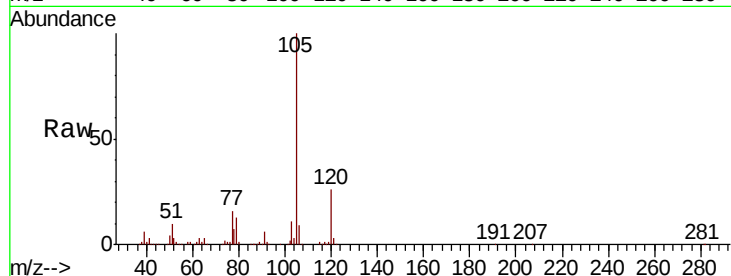
VSTDCCC050EC

Tot Ion:105 Resp: 502794

Ion Ratio Lower Upper

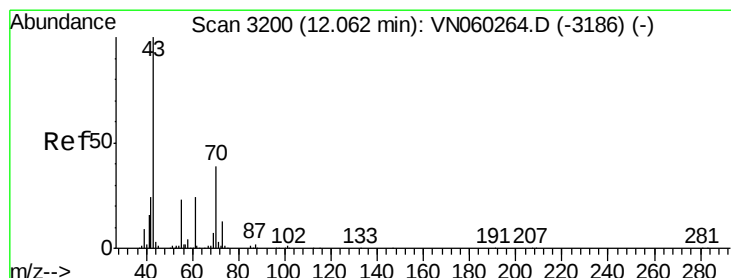
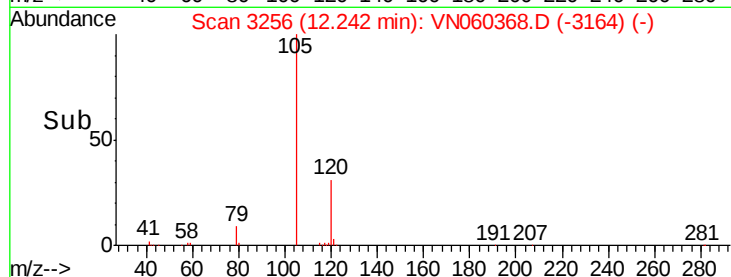
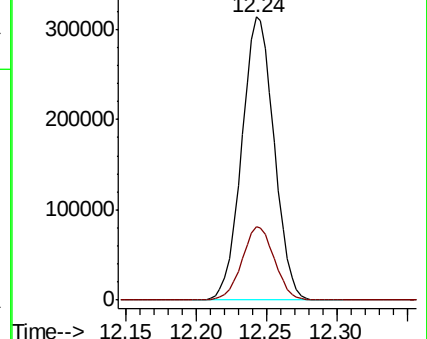
105 100

120 25.9 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: 47.188 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Tgt Ion: 43 Resp: 219097

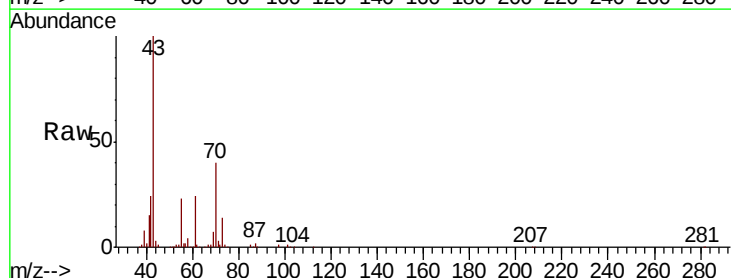
Ion Ratio Lower Upper

43 100

70 40.1 32.2 48.2

55 23.2 18.2 27.4

61 23.5 19.2 28.8

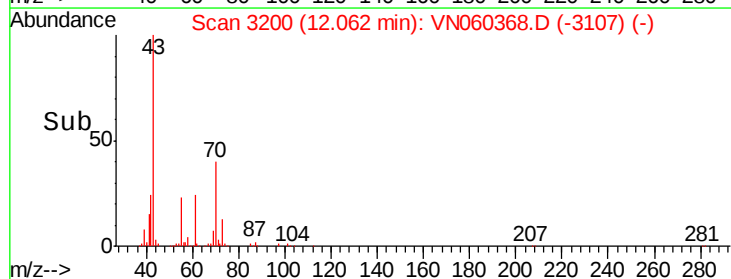
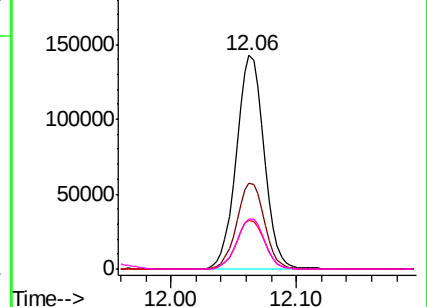


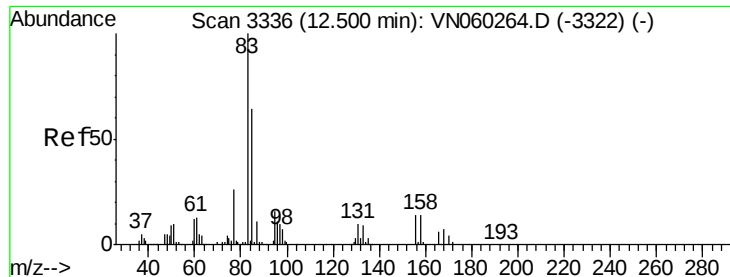
Abundance Ion 43.00 (42.70 to 43.70): V

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: 49.662 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

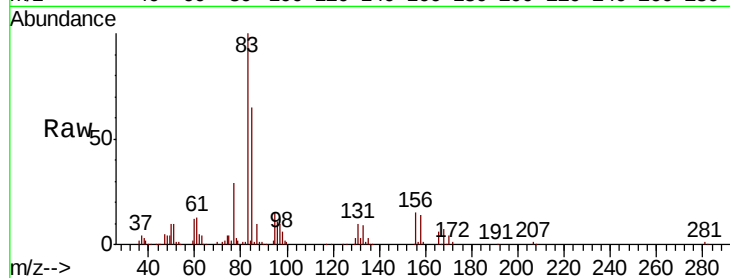
Tot Ion: 83 Resp: 143436

Ion Ratio Lower Upper

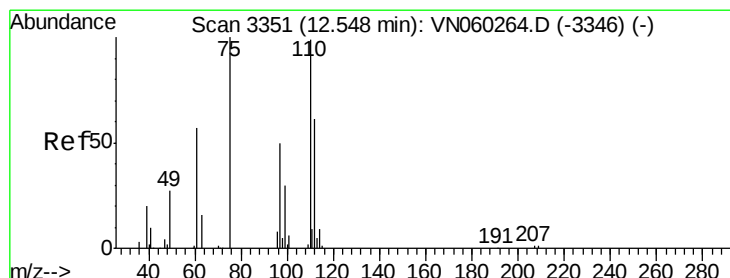
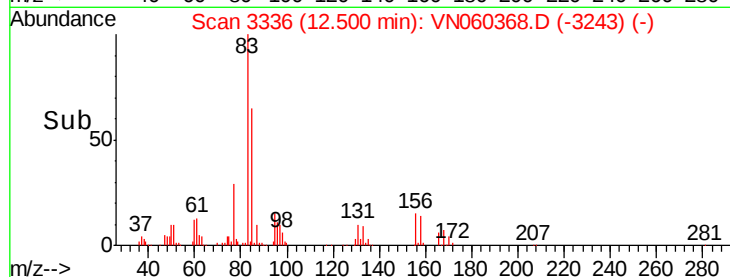
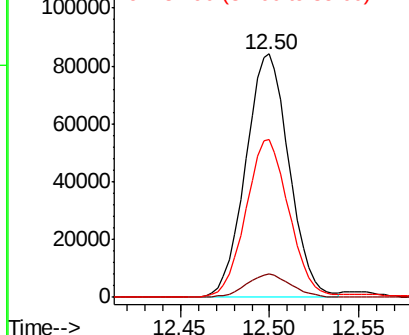
83 100

131 9.8 5.1 15.3

85 64.3 32.3 96.8



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



#76

1,2,3-Trichloropropane

Concen: 63.876 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060368.D

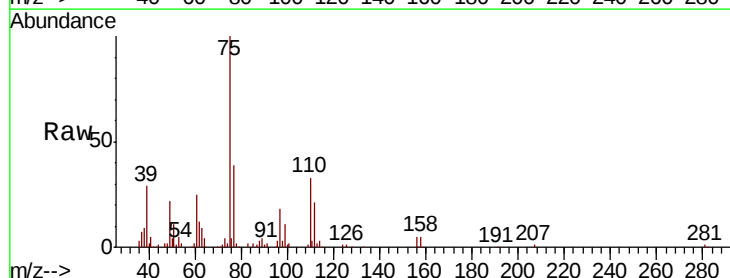
Acq: 5 Mar 2020 16:28

Tgt Ion: 75 Resp: 200908

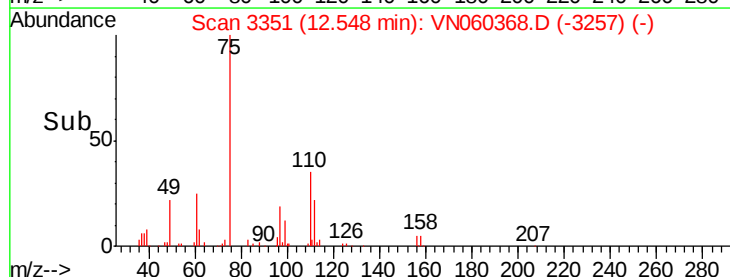
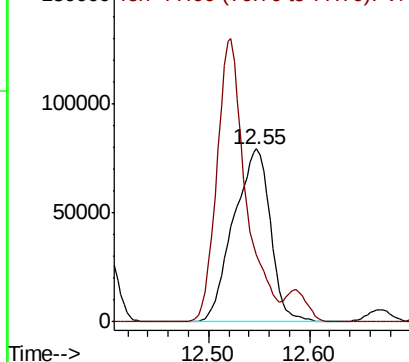
Ion Ratio Lower Upper

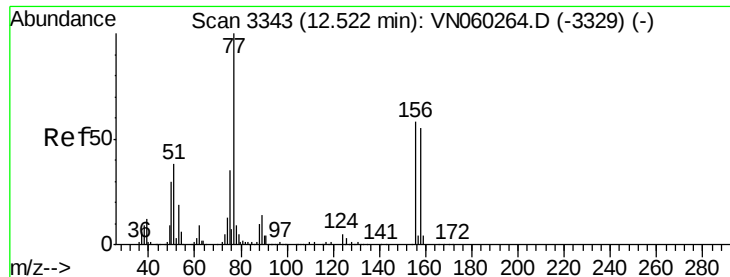
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 46.699 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

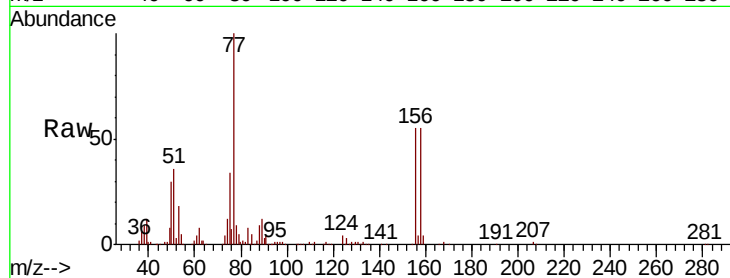
Tot Ion:156 Resp: 121630

Ion Ratio Lower Upper

156 100

77 213.8 106.1 318.3

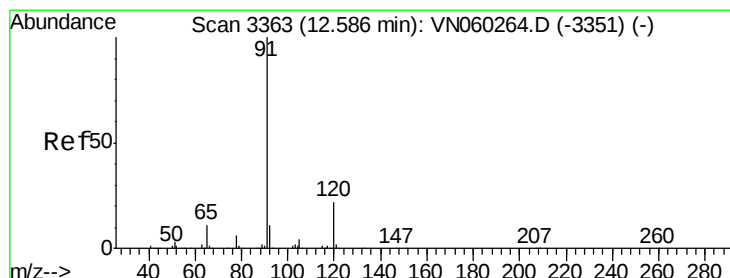
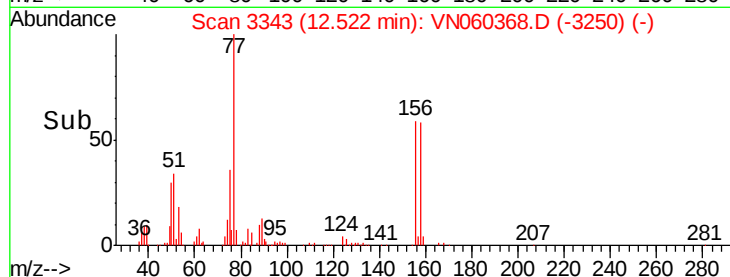
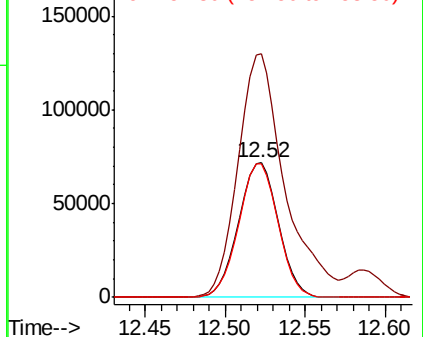
158 98.0 48.3 144.8



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: 46.976 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060368.D

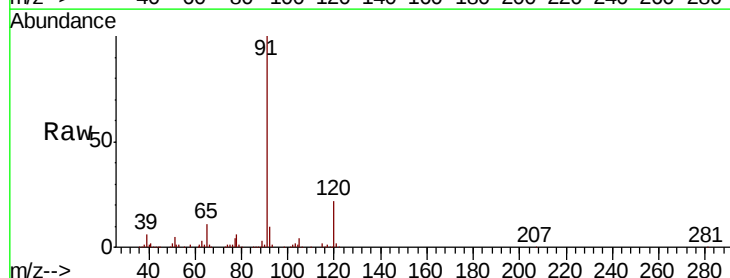
Acq: 5 Mar 2020 16:28

Tgt Ion: 91 Resp: 585079

Ion Ratio Lower Upper

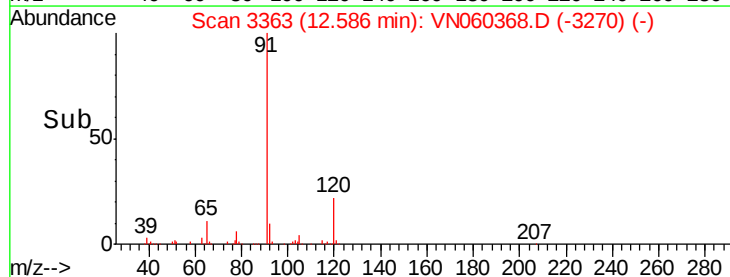
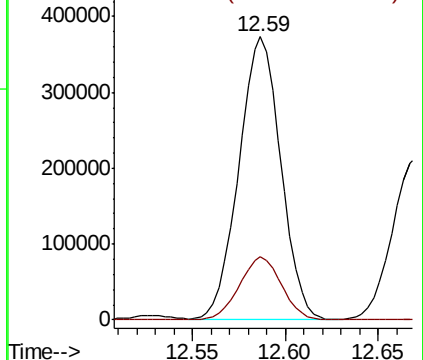
91 100

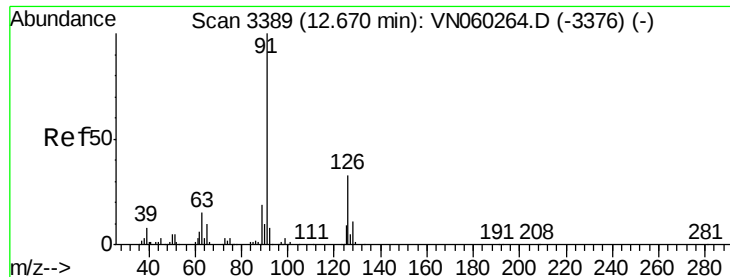
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

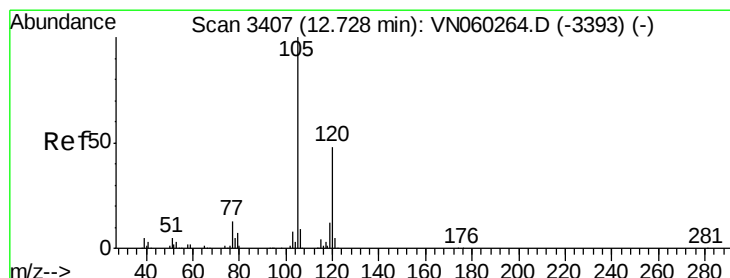
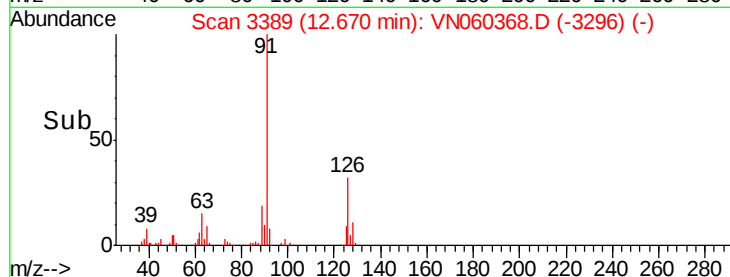
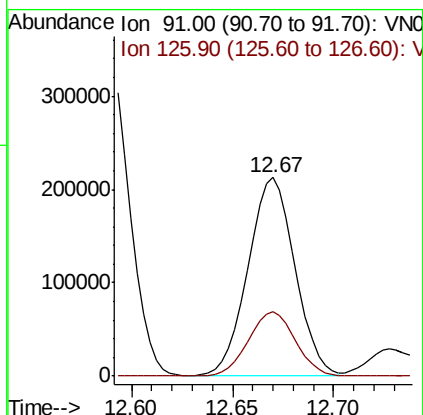
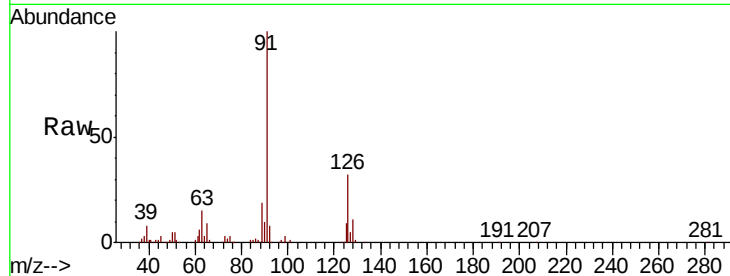




#79
2-Chlorotoluene
Concen: 47.153 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

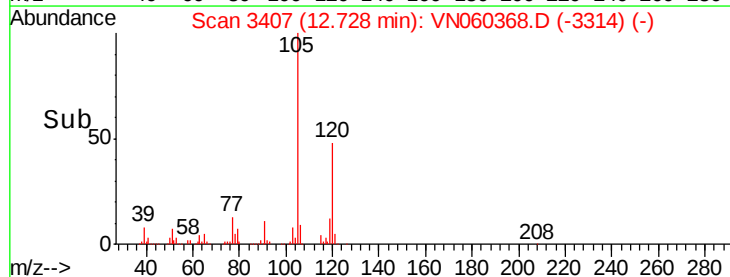
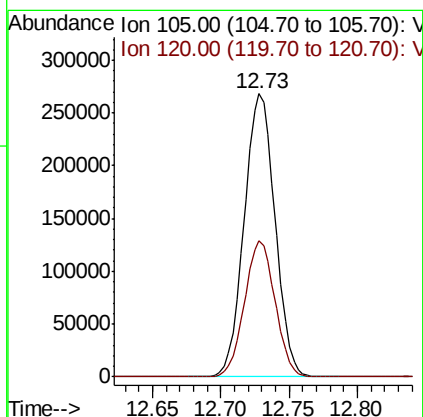
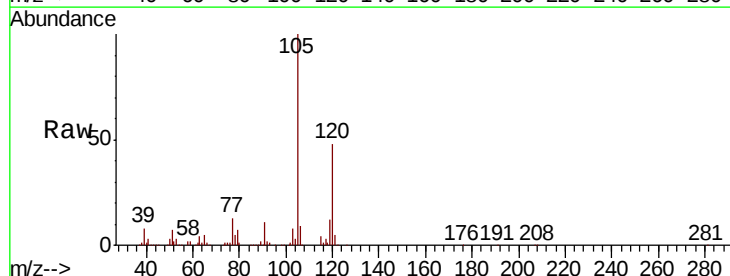
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

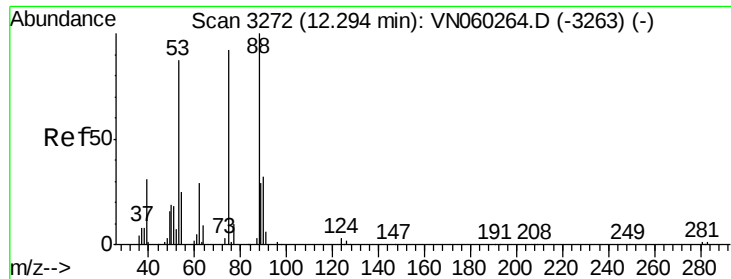
Tot Ion: 91 Resp: 345223
Ion Ratio Lower Upper
91 100
126 32.9 16.6 49.8



#80
1,3,5-Trimethylbenzene
Concen: 47.022 ug/l
RT: 12.73 min Scan# 3407
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion: 105 Resp: 420664
Ion Ratio Lower Upper
105 100
120 47.7 24.1 72.4

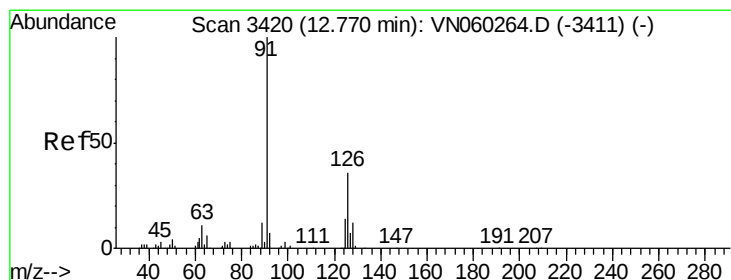
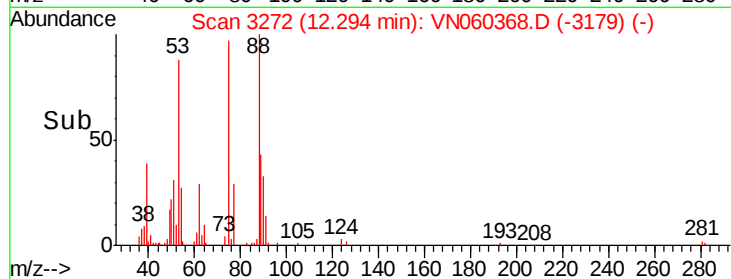
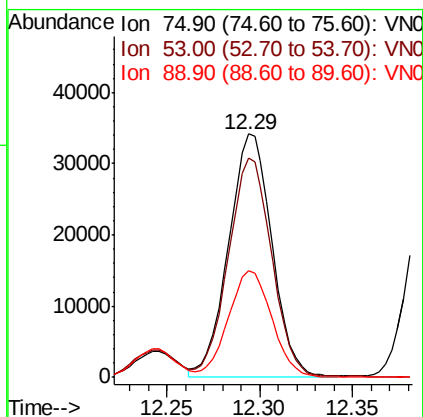
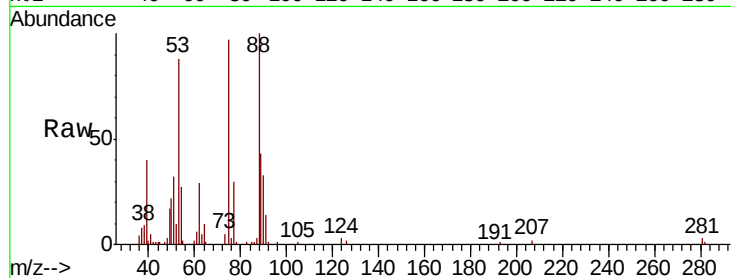




#81
trans-1,4-Dichloro-2-butene
Concen: 48.849 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

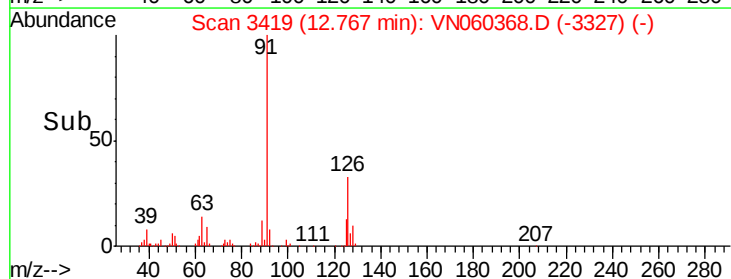
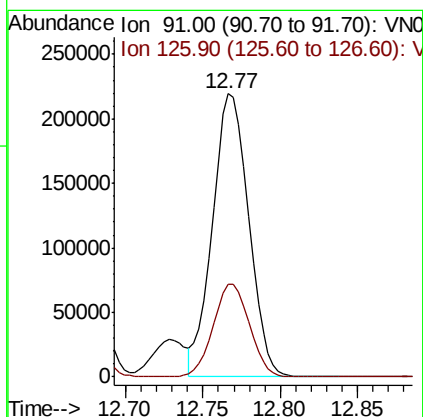
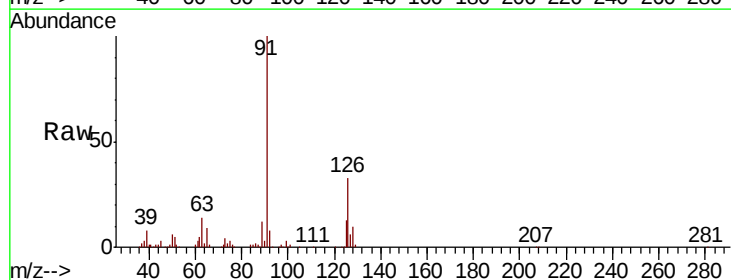
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

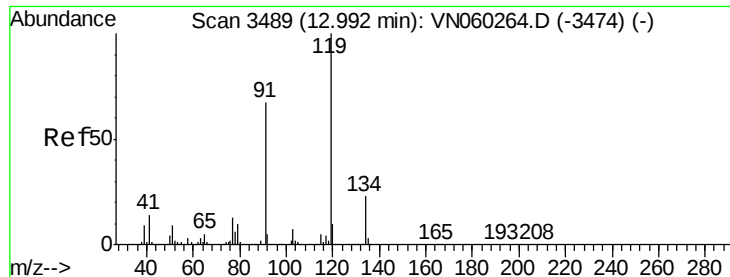
Tot Ion: 75 Resp: 55658
Ion Ratio Lower Upper
75 100
53 89.9 73.8 110.6
89 43.9 57.1 85.7#



#82
4-Chlorotoluene
Concen: 46.244 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion: 91 Resp: 356706
Ion Ratio Lower Upper
91 100
126 33.0 16.7 50.1





#83

tert-Butylbenzene

Concen: 44.992 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

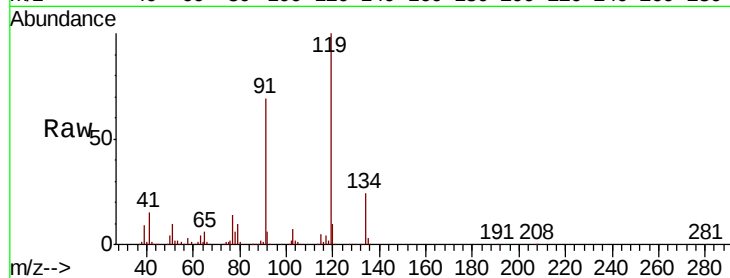
Tot Ion:119 Resp: 348490

Ion Ratio Lower Upper

119 100

91 68.4 33.1 99.2

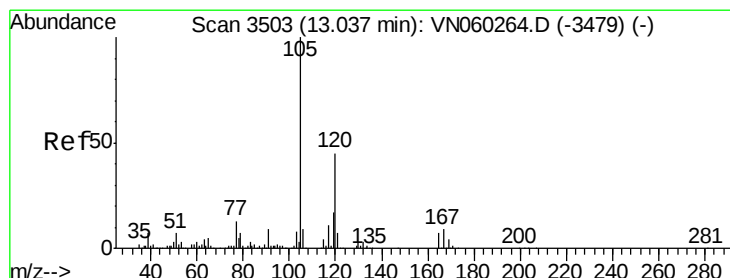
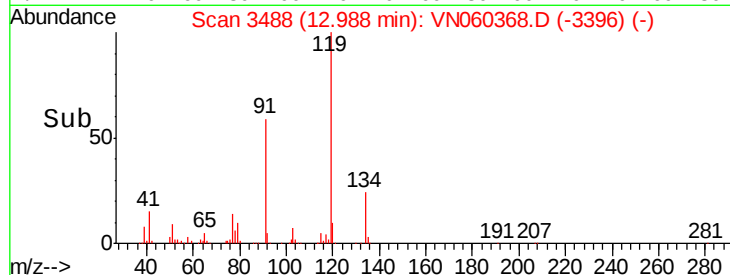
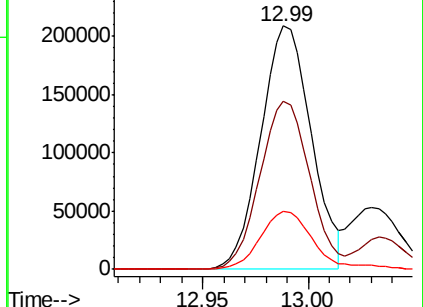
134 25.1 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 47.099 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060368.D

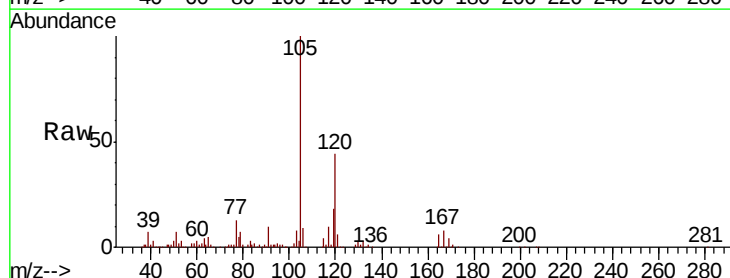
Acq: 5 Mar 2020 16:28

Tgt Ion:105 Resp: 425294

Ion Ratio Lower Upper

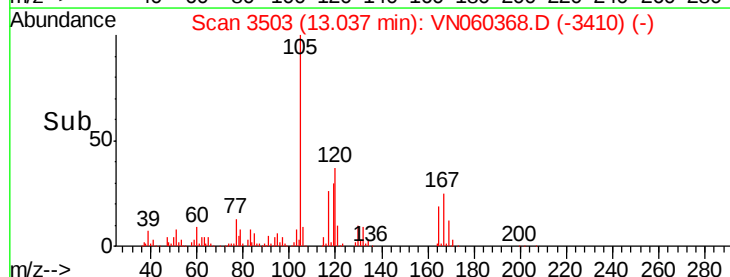
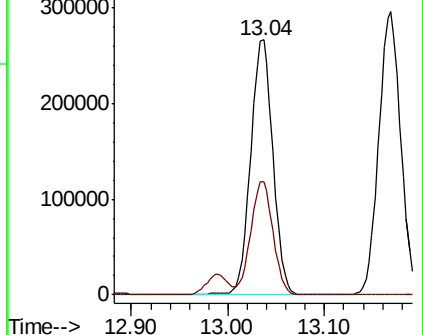
105 100

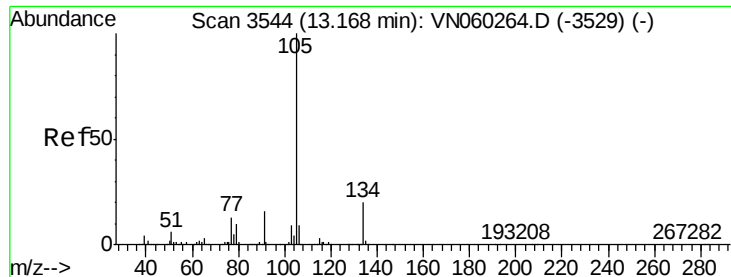
120 44.3 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

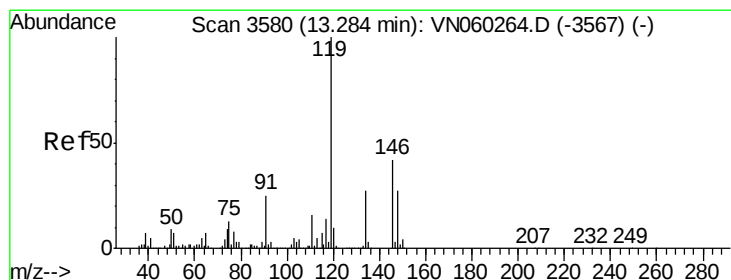
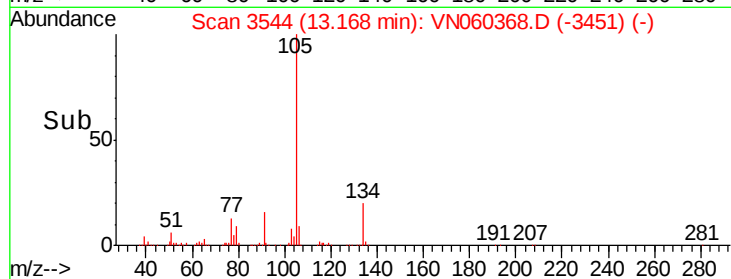
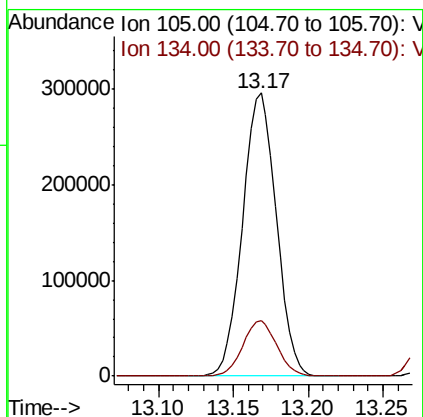
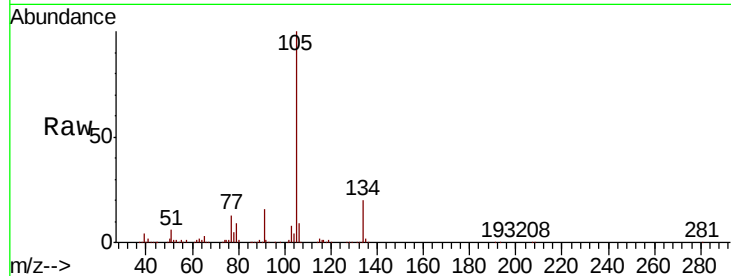




#85
 sec-Butylbenzene
 Concen: 44.829 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060368.D
 Acq: 5 Mar 2020 16:28

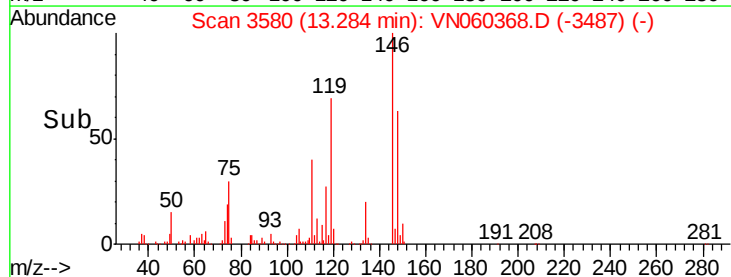
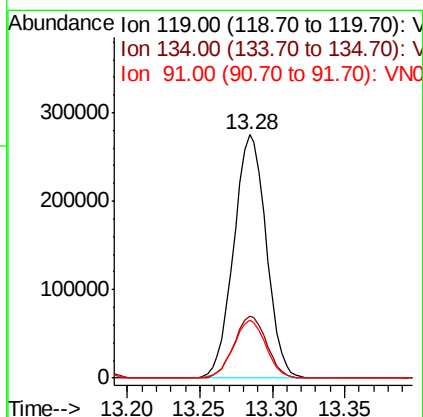
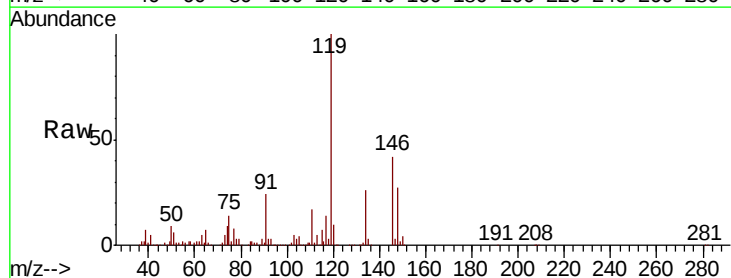
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

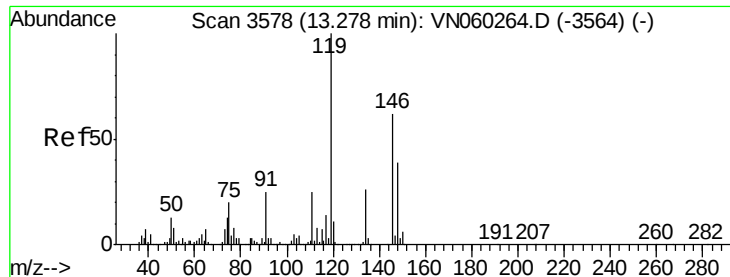
Tot Ion:105 Resp: 464976
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 44.329 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060368.D
 Acq: 5 Mar 2020 16:28

Tgt Ion:119 Resp: 425565
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.2 39.6
 91 23.9 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 48.854 ug/l

RT: 13.28 min Scan# 3578

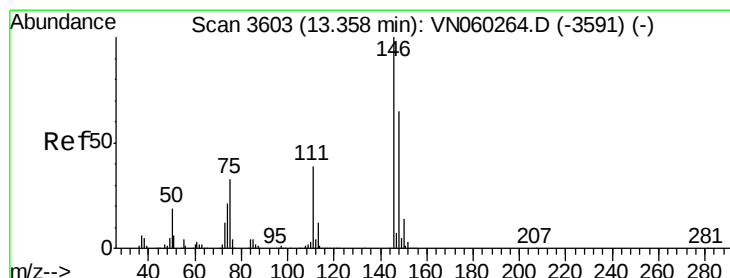
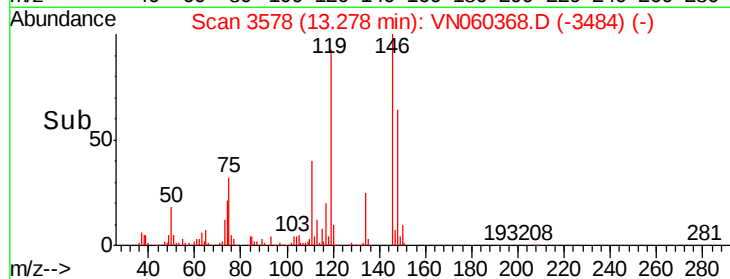
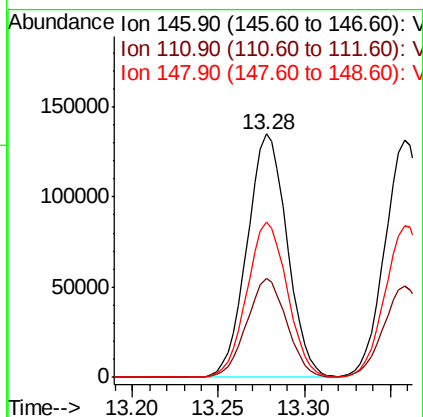
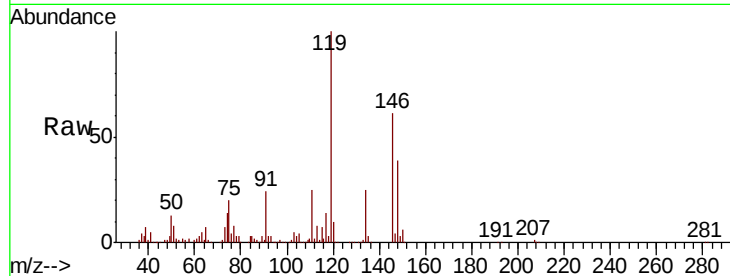
Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	59.9
148	64.1	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 49.085 ug/l

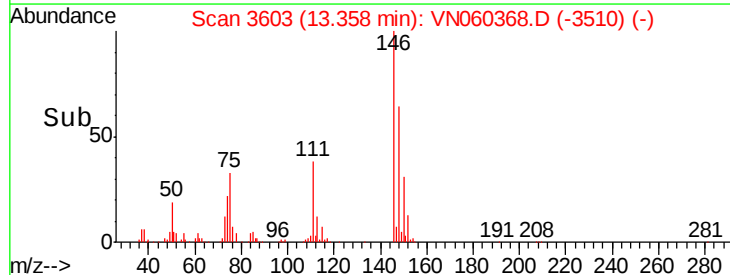
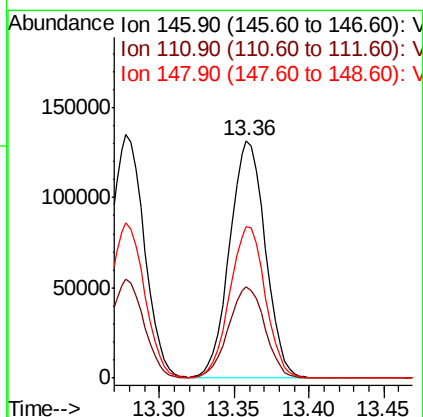
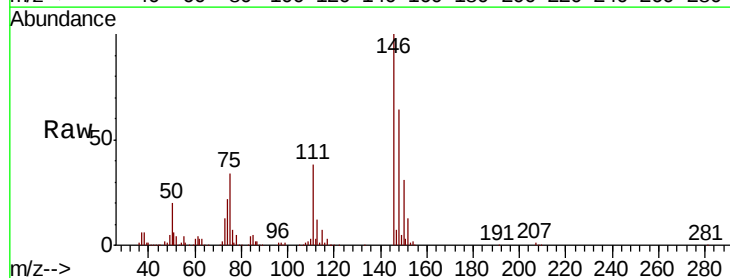
RT: 13.36 min Scan# 3603

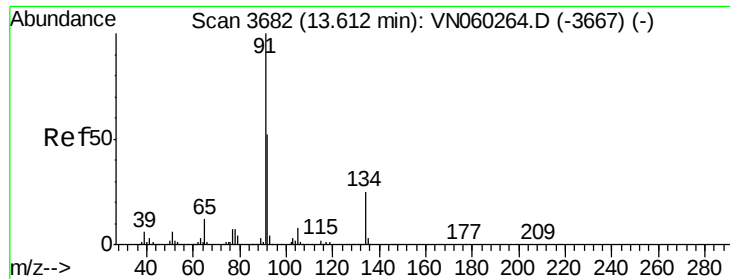
Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	64.0	32.3	96.9

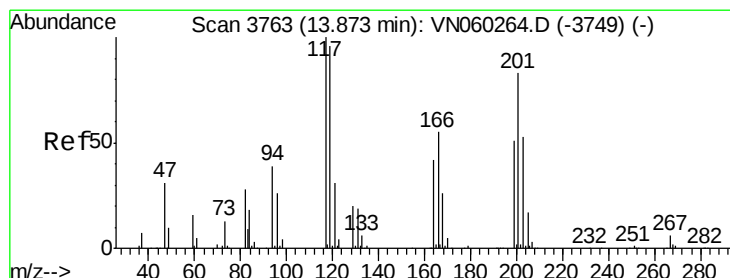
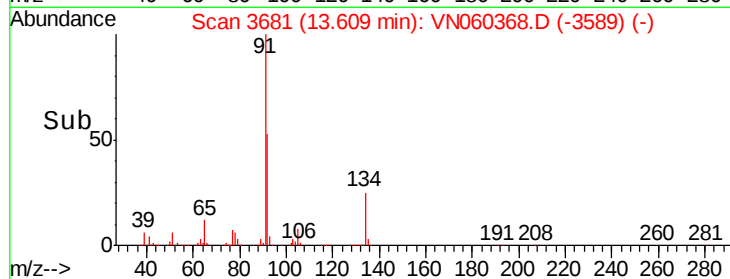
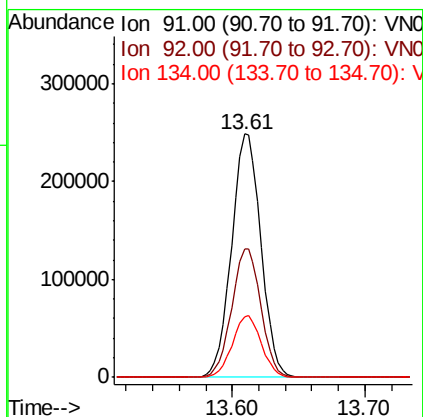
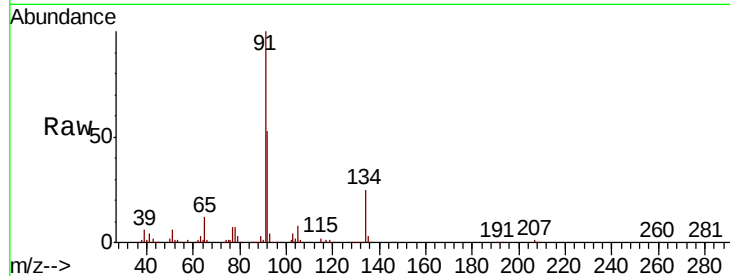




#89
n-Butylbenzene
Concen: 43.250 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

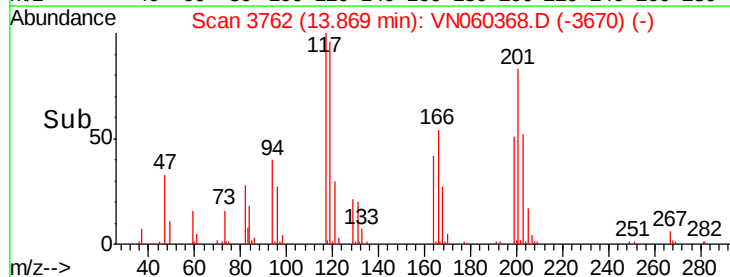
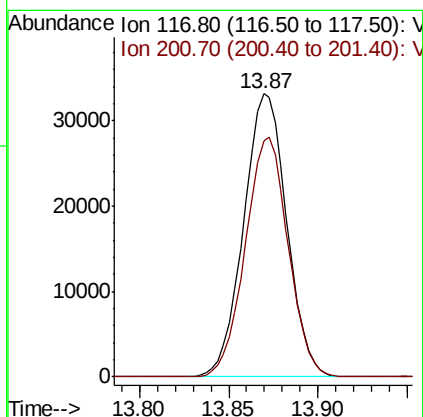
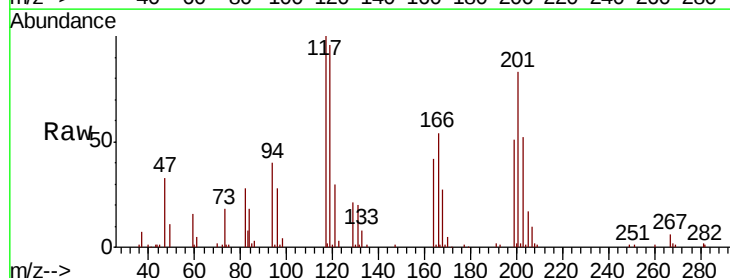
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

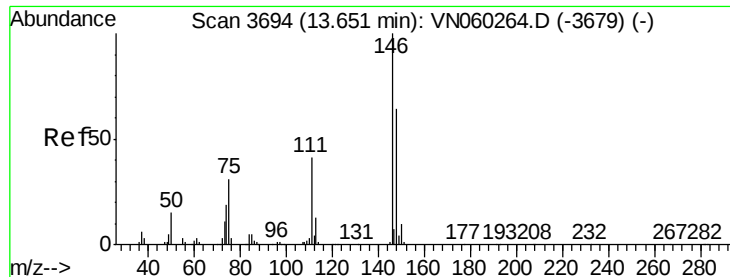
Tot Ion: 91 Resp: 381150
Ion Ratio Lower Upper
91 100
92 52.5 26.0 78.0
134 24.9 12.7 38.1



#90
Hexachloroethane
Concen: 40.293 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060368.D
Acq: 5 Mar 2020 16:28

Tgt Ion: 117 Resp: 55990
Ion Ratio Lower Upper
117 100
201 84.1 41.0 123.0





#91

1,2-Dichlorobenzene

Concen: 46.653 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

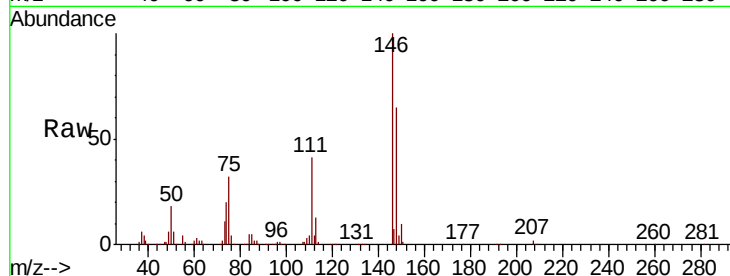
Tot Ion:146 Resp: 212919

Ion Ratio Lower Upper

146 100

111 41.3 20.3 61.0

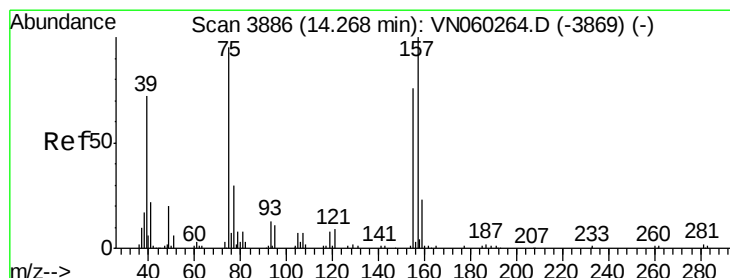
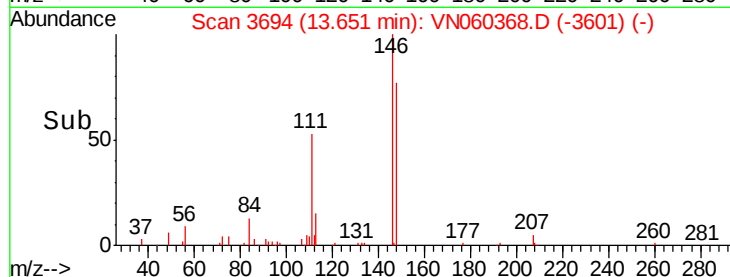
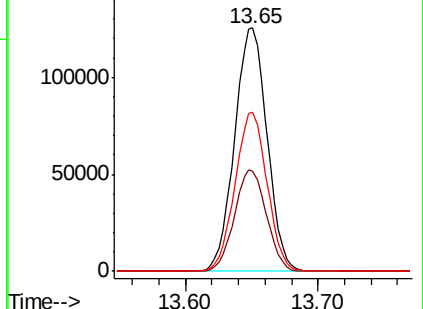
148 64.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 45.282 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

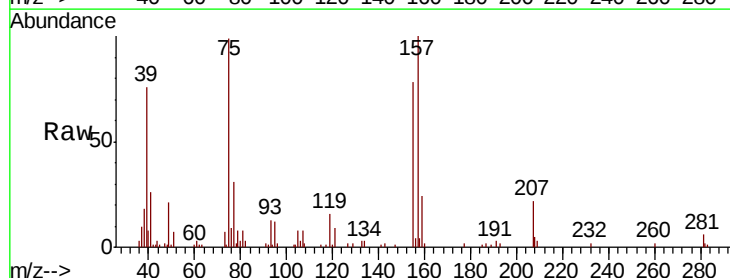
Tgt Ion: 75 Resp: 29617

Ion Ratio Lower Upper

75 100

155 79.5 40.4 121.2

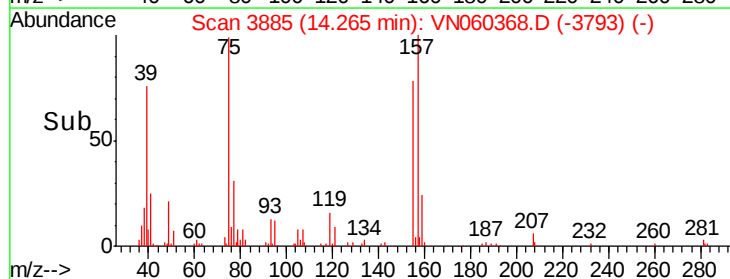
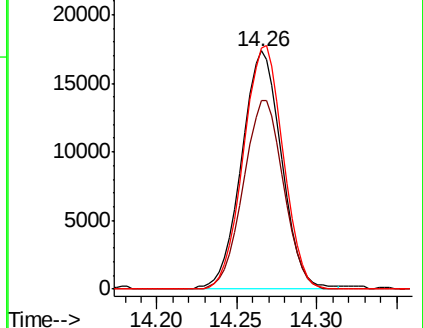
157 101.4 52.5 157.5

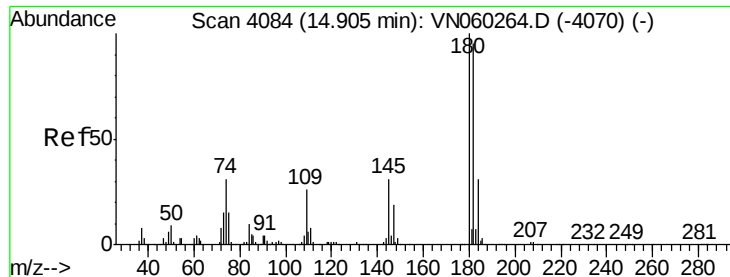


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

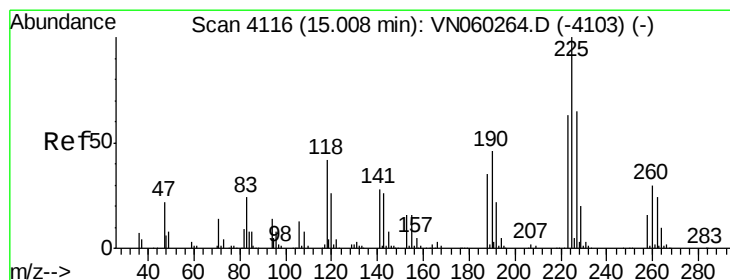
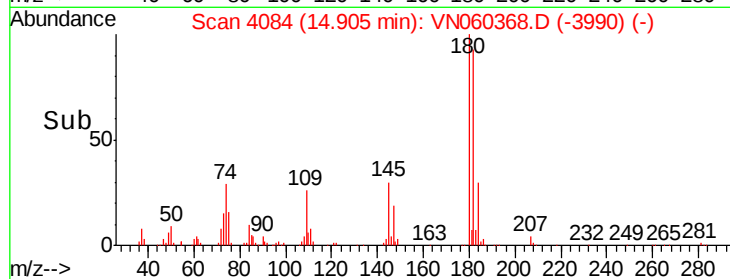
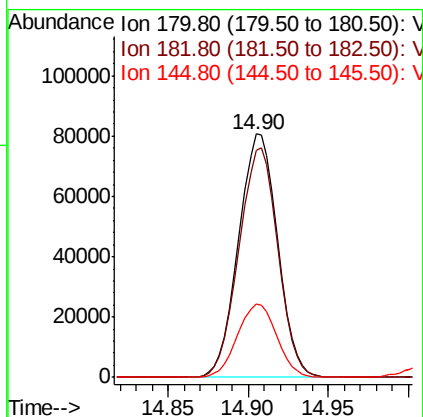
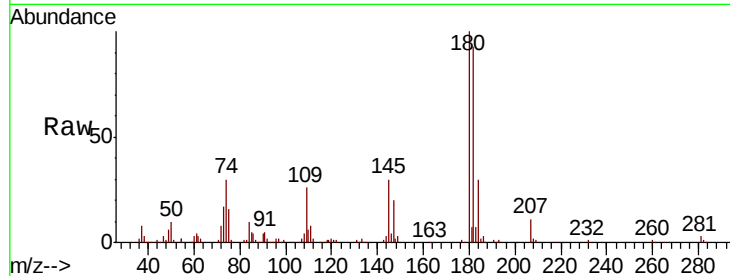




#93
 1,2,4-Trichlorobenzene
 Concen: 46.332 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060368.D
 Acq: 5 Mar 2020 16:28

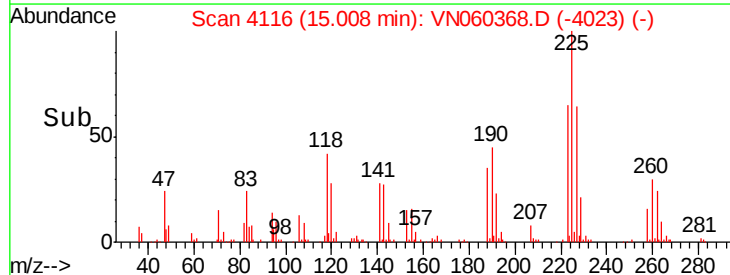
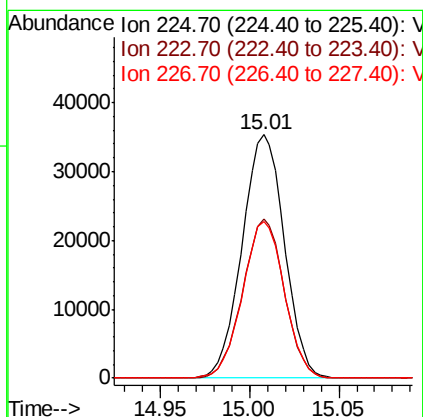
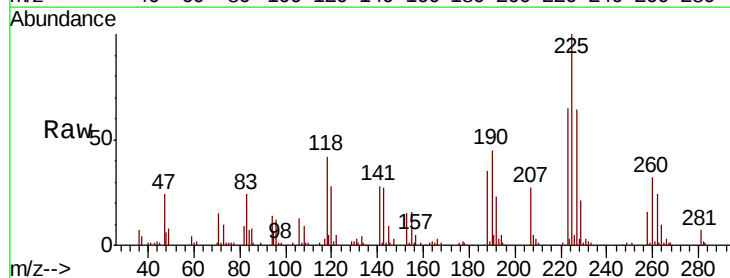
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

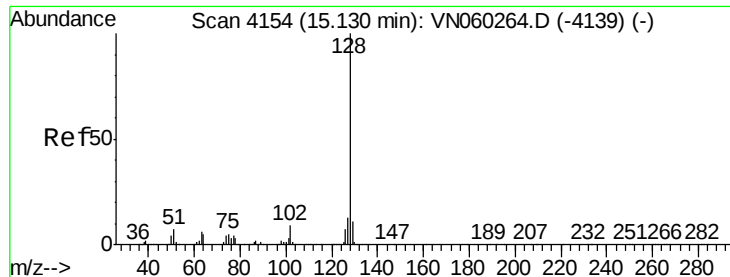
Tot Ion:180 Resp: 134341
 Ion Ratio Lower Upper
 180 100
 182 94.2 47.8 143.3
 145 30.3 15.4 46.1



#94
 Hexachlorobutadiene
 Concen: 43.784 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060368.D
 Acq: 5 Mar 2020 16:28

Tgt Ion:225 Resp: 58461
 Ion Ratio Lower Upper
 225 100
 223 63.9 31.3 93.9
 227 63.6 32.3 96.9





#95

Naphthalene

Concen: 46.456 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

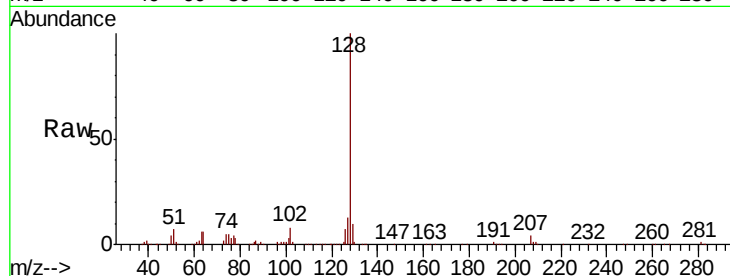
Tot Ion:128 Resp: 396976

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

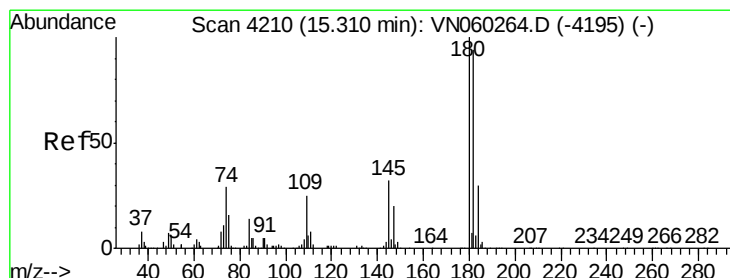
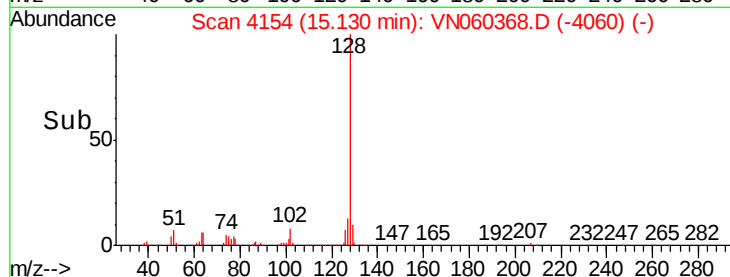
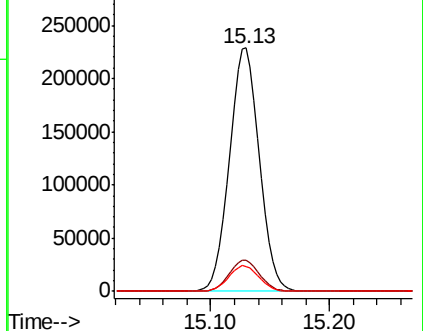
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 45.849 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060368.D

Acq: 5 Mar 2020 16:28

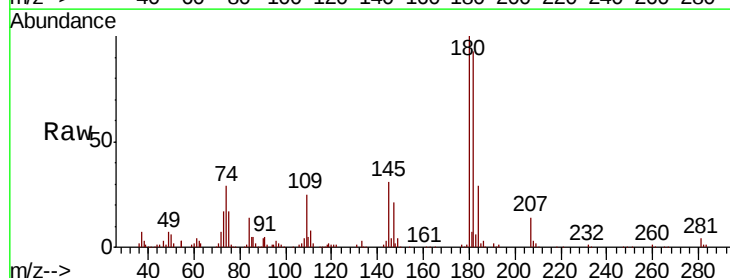
Tgt Ion:180 Resp: 125260

Ion Ratio Lower Upper

180 100

182 95.0 47.3 142.0

145 31.8 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

