

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030420\
 Data File : VN060355.D
 Acq On : 4 Mar 2020 17:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:09:38 PM

Quant Time: Mar 05 06:53:02 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	195156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	324211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	305181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	151679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	123239	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	7.57	113	83366	55.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.80%	
50) Toluene-d8	10.08	98	367348	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	
62) 4-Bromofluorobenzene	12.40	95	141315	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	77886	43.529	ug/l	99
3) Chloromethane	2.04	50	138788	44.552	ug/l	99
4) Vinyl Chloride	2.16	62	115099	43.082	ug/l	100
5) Bromomethane	2.54	94	38930	35.504	ug/l	98
6) Chloroethane	2.68	64	62609	43.253	ug/l	97
7) Trichlorofluoromethane	3.00	101	149007	43.654	ug/l	100
8) Diethyl Ether	3.38	74	57370	44.515	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86614	44.836	ug/l	99
10) Methyl Iodide	3.93	142	76128	43.180	ug/l	97
11) Tert butyl alcohol	4.73	59	81502	219.213	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	84869	45.259	ug/l	100
13) Acrolein	3.58	56	106191	306.158	ug/l	99
14) Allyl chloride	4.29	41	145298	42.031	ug/l	93
15) Acrylonitrile	4.94	53	242372	247.324	ug/l	99
16) Acetone	3.78	43	195391	241.647	ug/l	99
17) Carbon Disulfide	4.03	76	219629	44.059	ug/l	99
18) Methyl Acetate	4.29	43	124949	46.305	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	319250	46.899	ug/l	99
20) Methylene Chloride	4.52	84	98506	44.360	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	92157	45.712	ug/l	97
22) Diisopropyl ether	5.92	45	339210	48.442	ug/l	99
23) Vinyl Acetate	5.86	43	1353291	243.210	ug/l	100
24) 1,1-Dichloroethane	5.82	63	187639	47.338	ug/l	99
25) 2-Butanone	6.80	43	320717	245.563	ug/l	100
26) 2,2-Dichloropropane	6.80	77	157306	43.593	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	111374	43.253	ug/l	99
28) Bromochloromethane	7.17	49	79861	49.071	ug/l	96
29) Tetrahydrofuran	7.18	42	216899	238.824	ug/l	99
30) Chloroform	7.35	83	187160	47.432	ug/l	100
31) Cyclohexane	7.63	56	161768	47.765	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	164680	47.104	ug/l	99
36) 1,1-Dichloropropene	7.77	75	137679	44.558	ug/l	99
37) Ethyl Acetate	6.90	43	142792	48.805	ug/l	99
38) Carbon Tetrachloride	7.75	117	135739	45.120	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	161391	44.300	ug/l	98
40) Benzene	8.02	78	413038	45.927	ug/l	99
41) Methacrylonitrile	7.15	41	66111m	48.938	ug/l	
42) 1,2-Dichloroethane	8.10	62	151755	46.761	ug/l	99
43) Isopropyl Acetate	8.14	43	243864	47.611	ug/l	99
44) Trichloroethene	8.82	130	107980	43.111	ug/l	97
45) 1,2-Dichloropropane	9.10	63	113314	48.191	ug/l	99
46) Dibromomethane	9.19	93	70547	46.239	ug/l	98
47) Bromodichloromethane	9.39	83	150170	48.395	ug/l	99
48) Methyl methacrylate	9.18	41	108953	46.647	ug/l	99
49) 1,4-Dioxane	9.18	88	26106	794.793	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	716305	246.654	ug/l	99
52) Toluene	10.14	92	258207	45.706	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	173487	45.628	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	182961	46.438	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	103310	45.475	ug/l	97
56) Ethyl methacrylate	10.42	69	162292	49.725	ug/l	99
57) 1,3-Dichloropropane	10.70	76	175999	47.504	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	408396	239.249	ug/l	100
59) 2-Hexanone	10.74	43	521292	244.480	ug/l	100
60) Dibromochloromethane	10.89	129	111503	48.262	ug/l	99
61) 1,2-Dibromoethane	10.99	107	105276	47.537	ug/l	99
64) Tetrachloroethene	10.62	164	108159	44.868	ug/l	100
65) Chlorobenzene	11.43	112	271751	44.098	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	104636	45.923	ug/l	100
67) Ethyl Benzene	11.50	91	509646	45.414	ug/l	100
68) m/p-Xylenes	11.62	106	377370	89.128	ug/l	99
69) o-Xylene	11.94	106	183608	45.475	ug/l	99
70) Styrene	11.96	104	306123	46.115	ug/l	100
71) Bromoform	12.12	173	80631	49.101	ug/l #	99
73) Isopropylbenzene	12.24	105	500646	44.532	ug/l	99
74) N-amyl acetate	12.06	43	220816	44.949	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	149742	49.000	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	121427m	36.488	ug/l	
77) Bromobenzene	12.52	156	120626	43.772	ug/l	98
78) n-propylbenzene	12.59	91	587592	44.589	ug/l	100
79) 2-Chlorotoluene	12.67	91	344391	44.459	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	423180	44.708	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55919	46.385	ug/l #	85
82) 4-Chlorotoluene	12.77	91	360840	44.213	ug/l	98
83) tert-Butylbenzene	12.99	119	364459	44.472	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	423356	44.312	ug/l	100
85) sec-Butylbenzene	13.17	105	494499	45.060	ug/l	99
86) p-Isopropyltoluene	13.28	119	446853	43.993	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	218746	46.181	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	219557	46.607	ug/l	99
89) n-Butylbenzene	13.61	91	413112	44.305	ug/l	100
90) Hexachloroethane	13.87	117	63088	42.910	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	214536	44.428	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31733	45.855	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	137726	44.896	ug/l	99
94) Hexachlorobutadiene	15.01	225	66788	47.322	ug/l	99
95) Naphthalene	15.13	128	399524	44.175	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	129758	44.886	ug/l	100

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

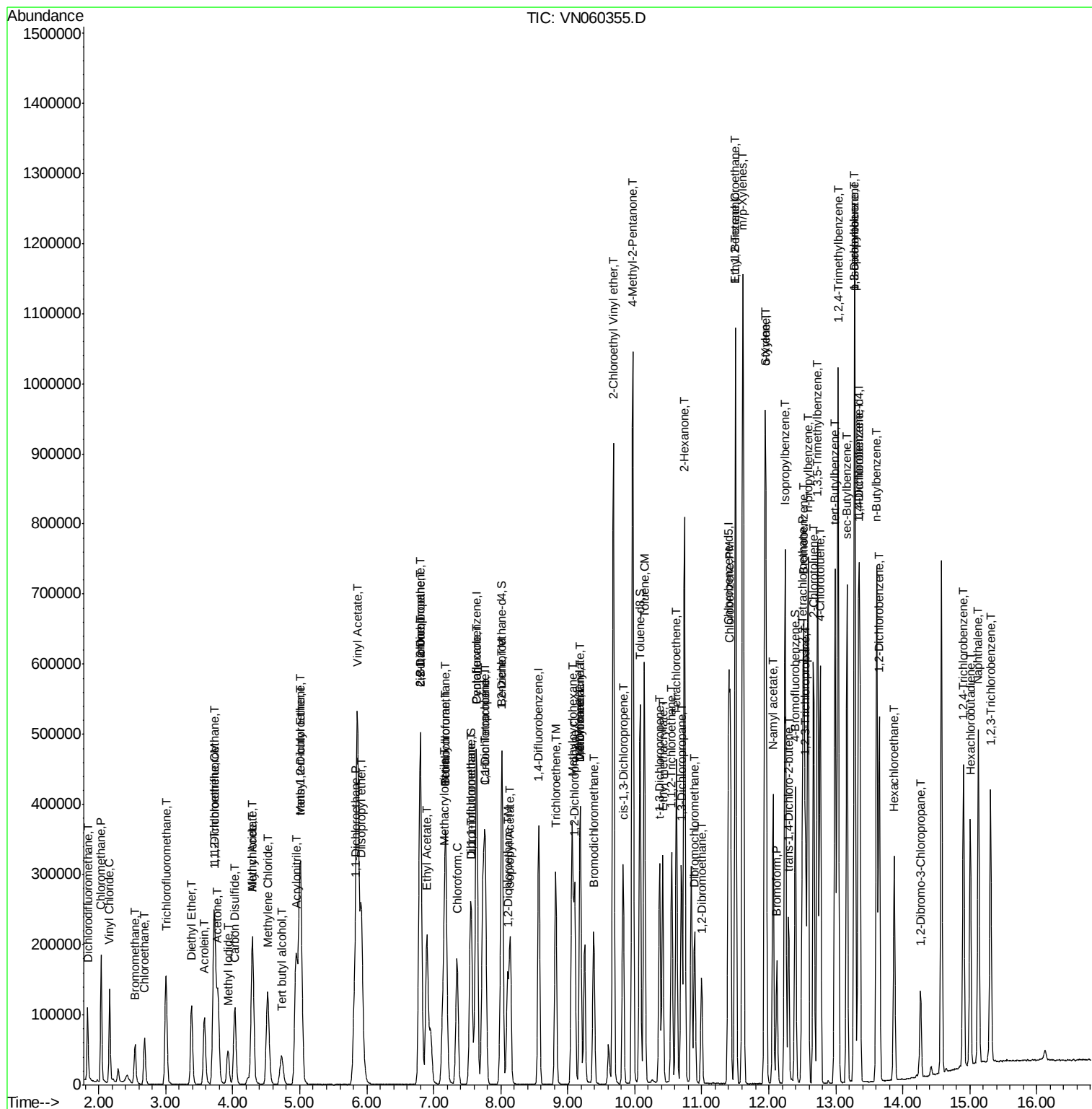
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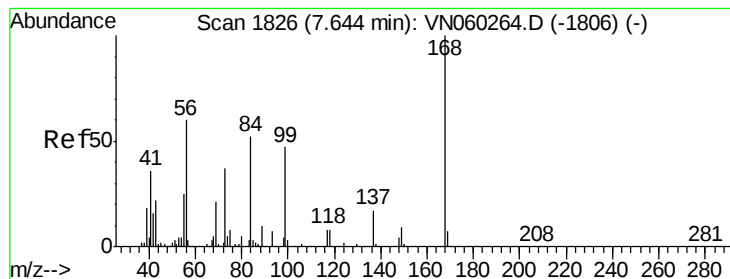
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 195156

Ion Ratio Lower Upper

168 100

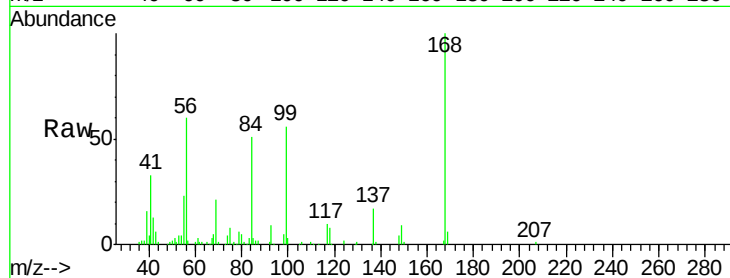
99 56.5 44.7 67.1

Manual Integrations

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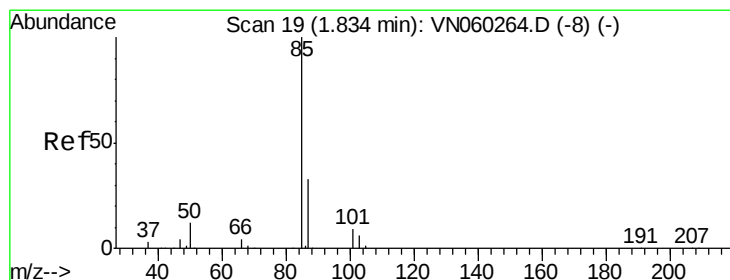
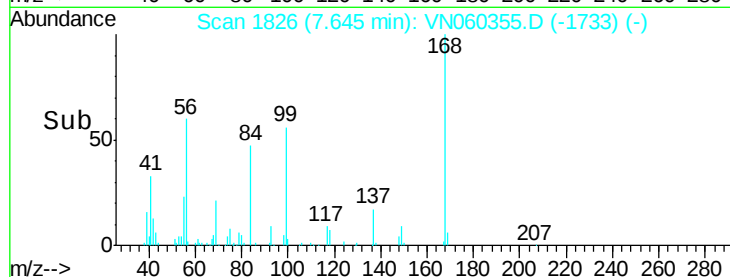
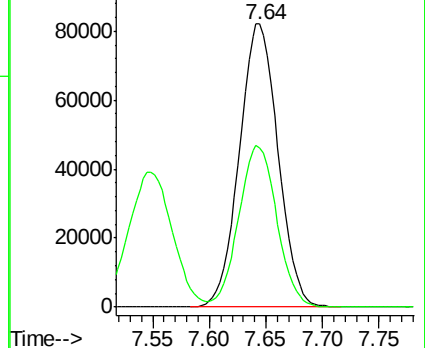
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.529 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060355.D

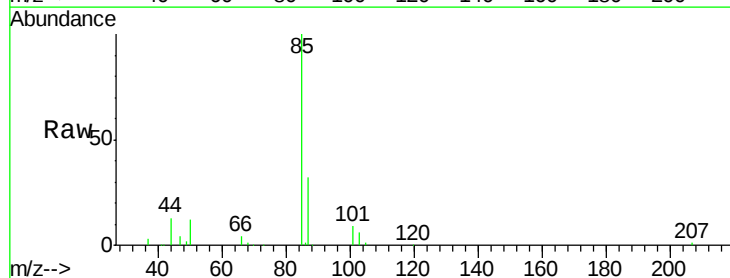
Acq: 4 Mar 2020 17:43

Tgt Ion: 85 Resp: 77886

Ion Ratio Lower Upper

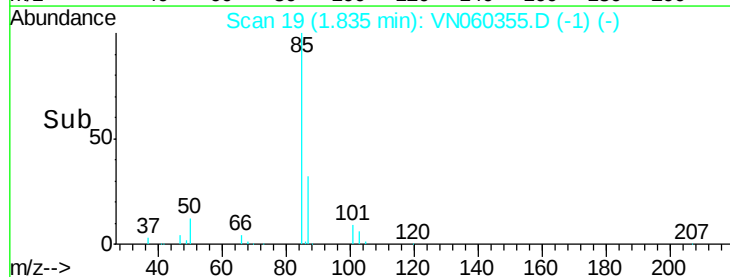
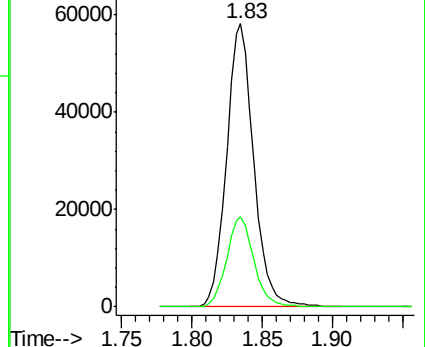
85 100

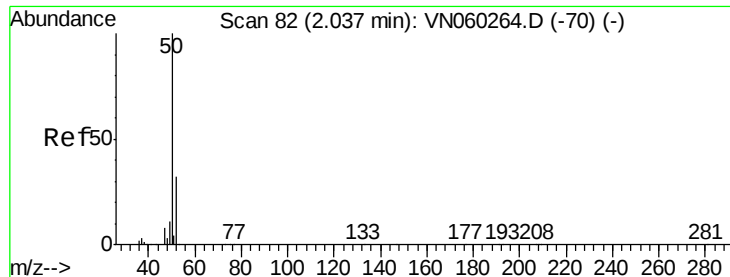
87 32.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.552 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 138788

Ion Ratio Lower Upper

50 100

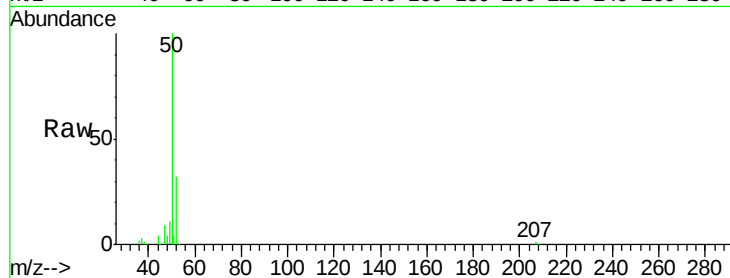
52 32.3 25.6 38.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

120000

100000

80000

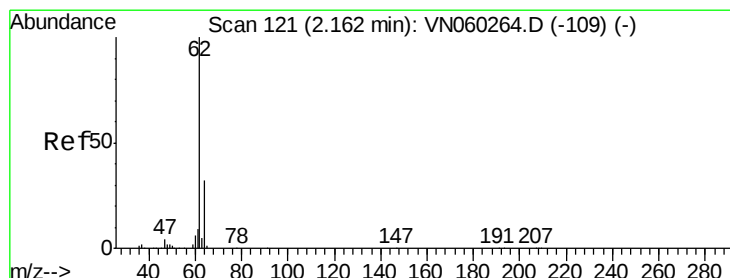
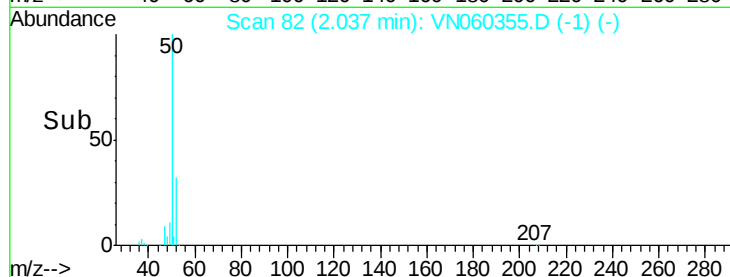
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 43.082 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060355.D

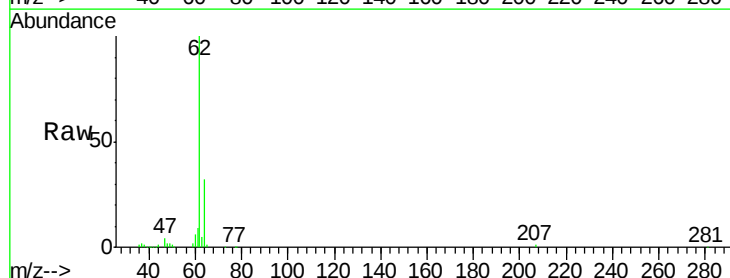
Acq: 4 Mar 2020 17:43

Tgt Ion: 62 Resp: 115099

Ion Ratio Lower Upper

62 100

64 32.2 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

80000

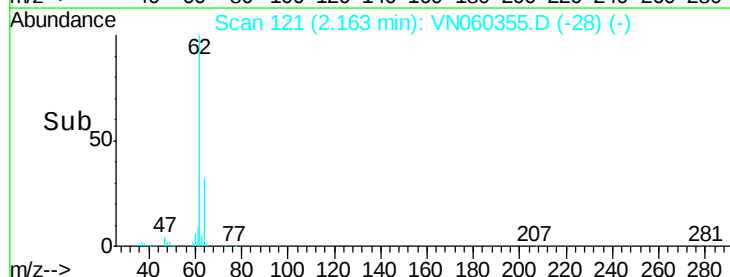
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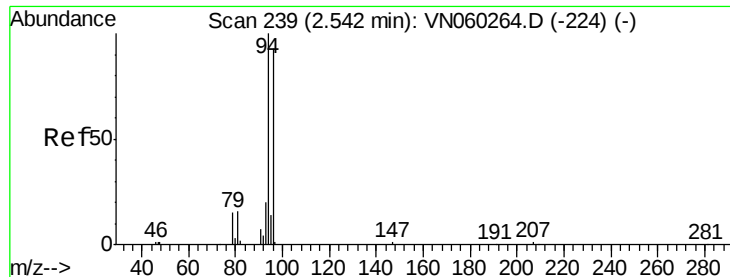
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20000

0

Time-->





#5

Bromomethane

Concen: 35.504 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

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Tot Ion: 94 Resp: 38930

Ion Ratio Lower Upper

94 100

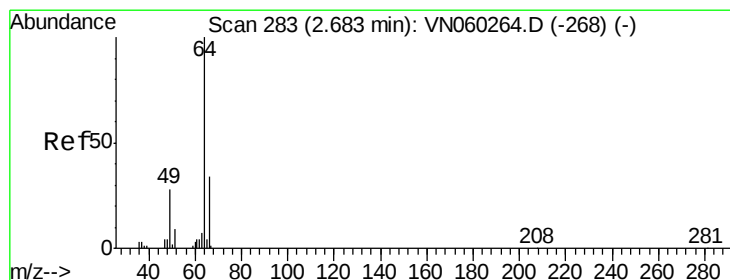
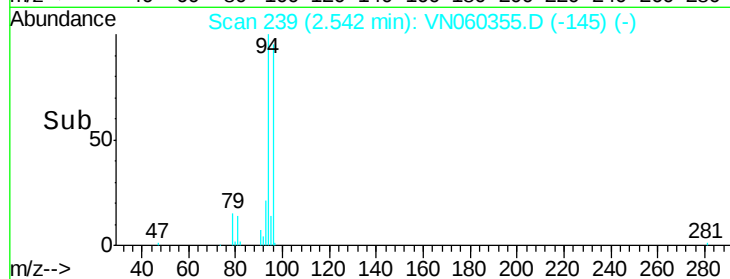
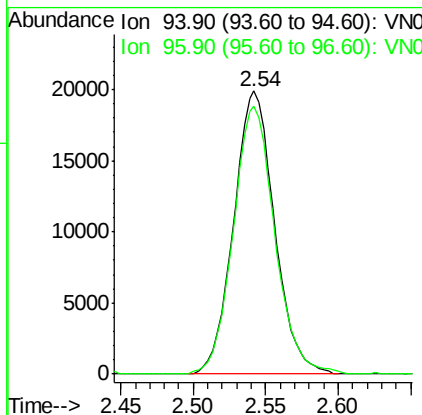
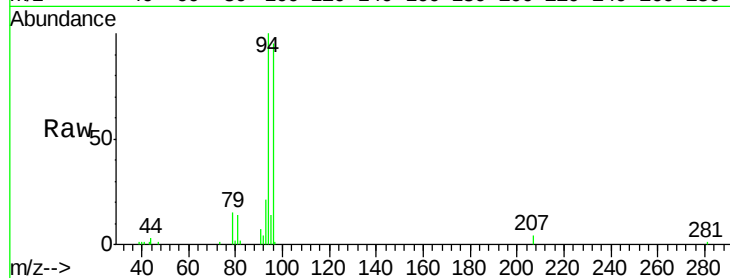
96 94.7 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 43.253 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060355.D

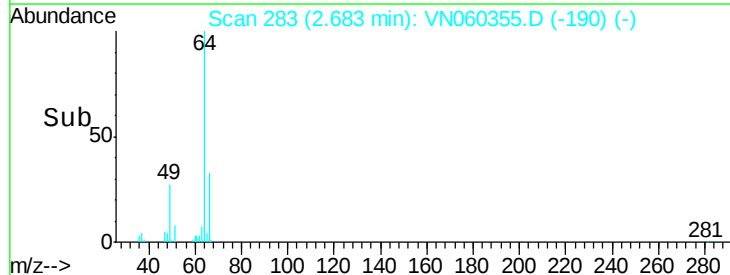
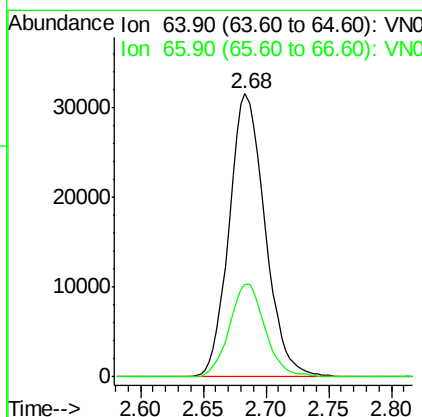
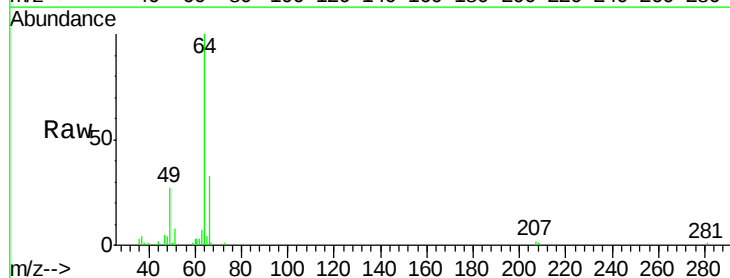
Acq: 4 Mar 2020 17:43

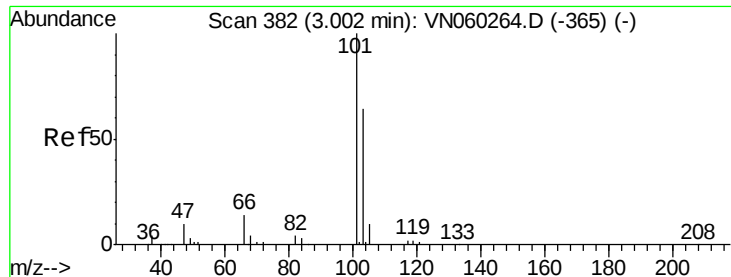
Tgt Ion: 64 Resp: 62609

Ion Ratio Lower Upper

64 100

66 32.7 27.4 41.2





#7

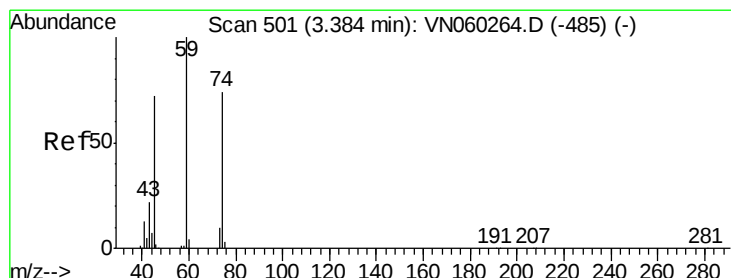
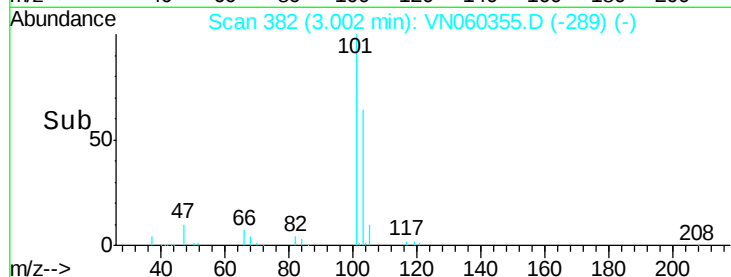
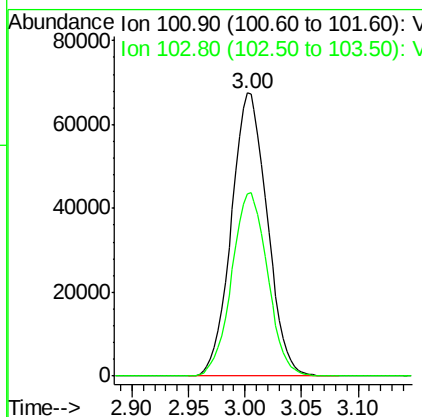
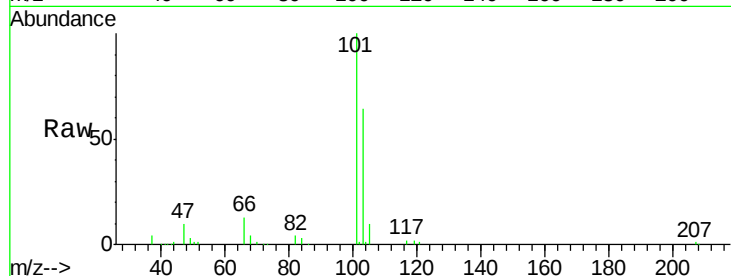
Trichlorofluoromethane
 Concen: 43.654 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.3	76.9

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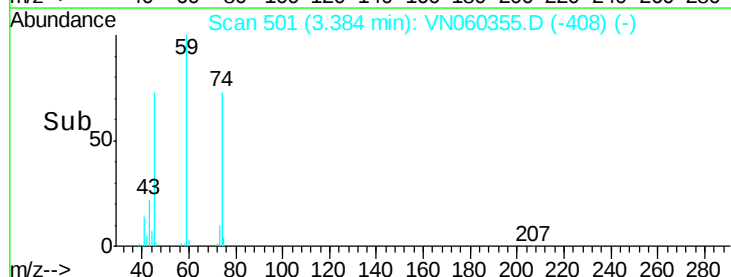
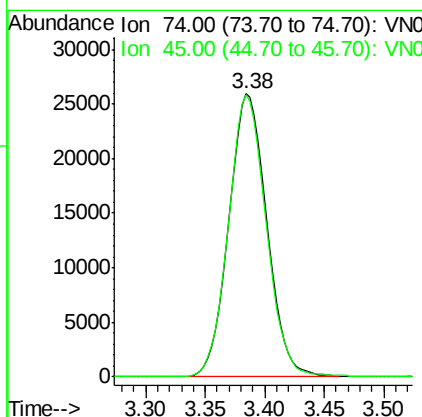
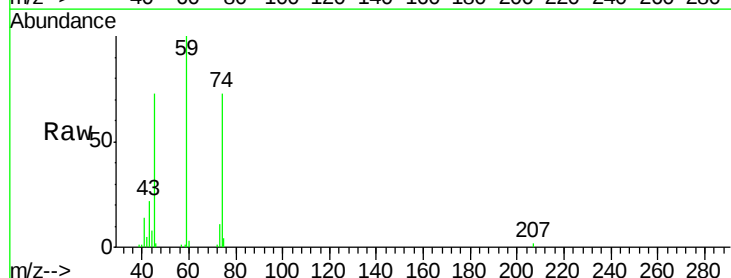
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#8

Diethyl Ether
 Concen: 44.515 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.836 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

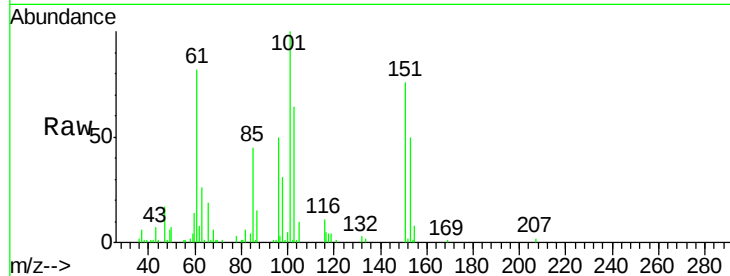
ClientSampleId :

VSTDCCC050EC

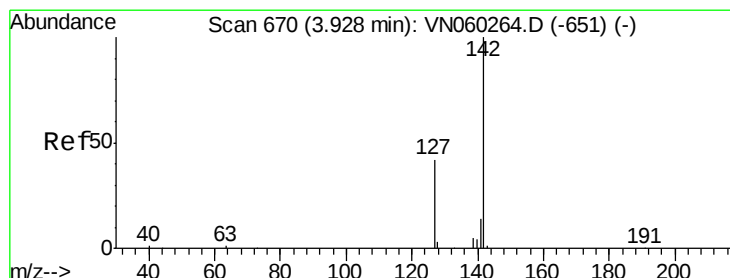
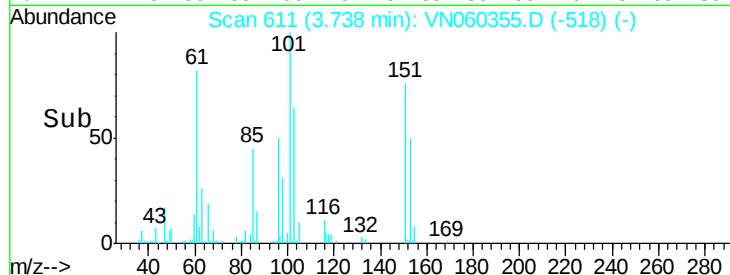
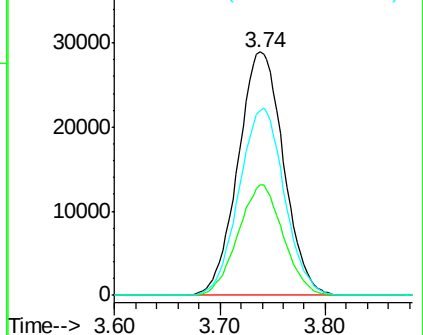
Tot Ion:	101	Resp:	86614
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.4	53.2
151	76.7	62.0	93.0

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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: 43.180 ug/l

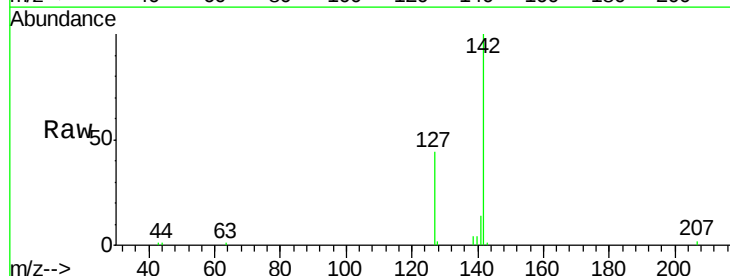
RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

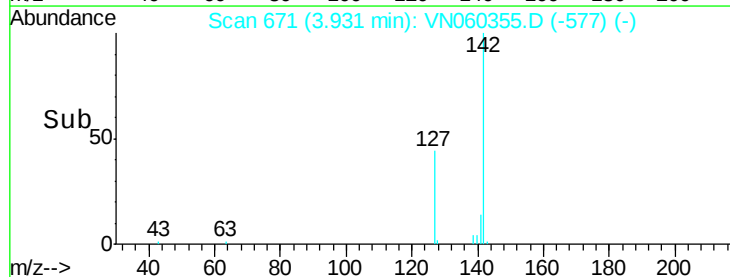
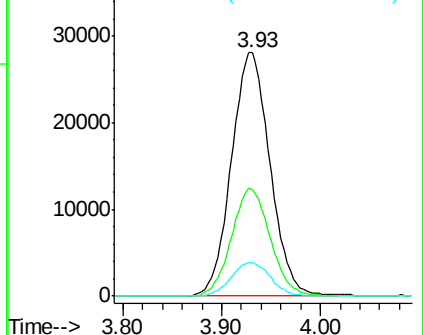
Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Tgt Ion:	142	Resp:	76128
Ion Ratio	Lower	Upper	
142	100		
127	44.3	33.8	50.6
141	13.9	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

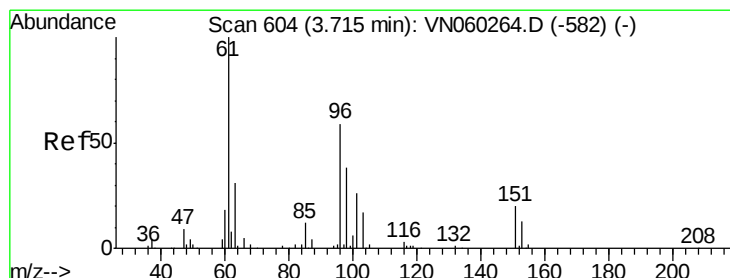
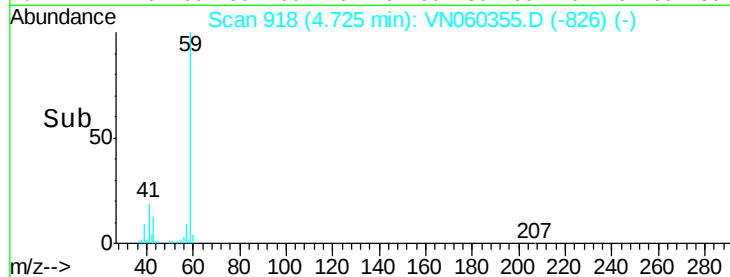
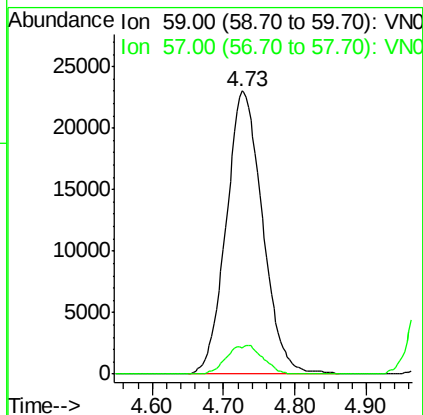
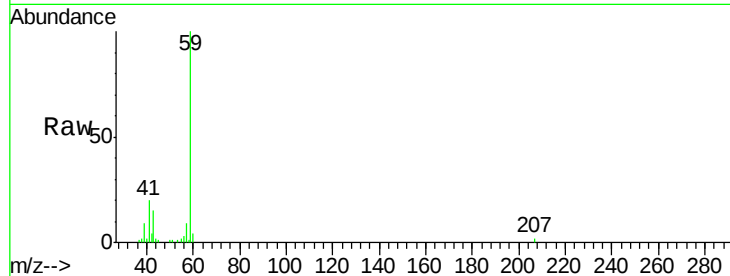
Tert butyl alcohol
 Concen: 219.213 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.6	8.2	12.2#

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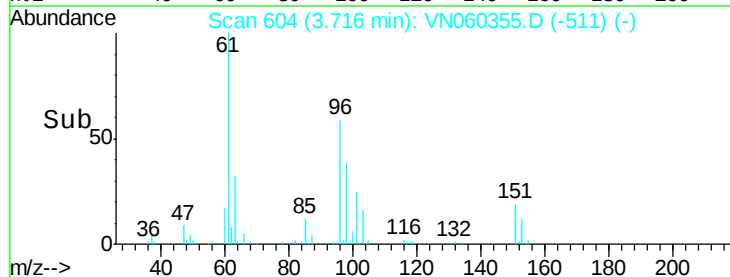
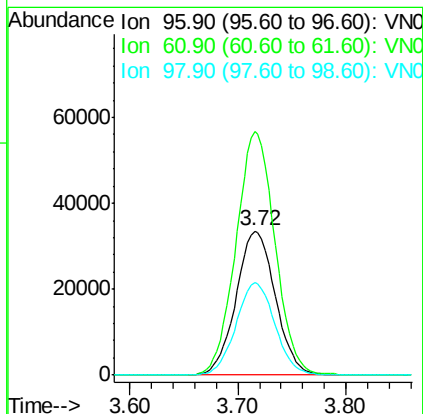
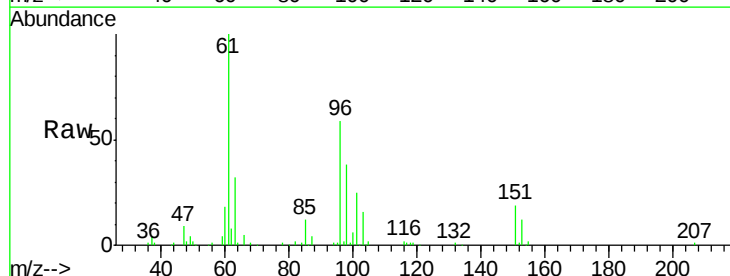
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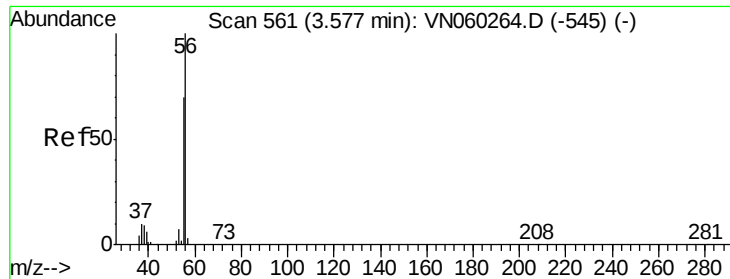


#12

1,1-Dichloroethene
 Concen: 45.259 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.7	135.4	203.0
98	64.1	51.6	77.4





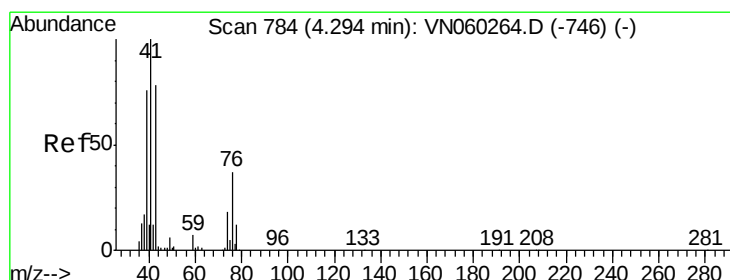
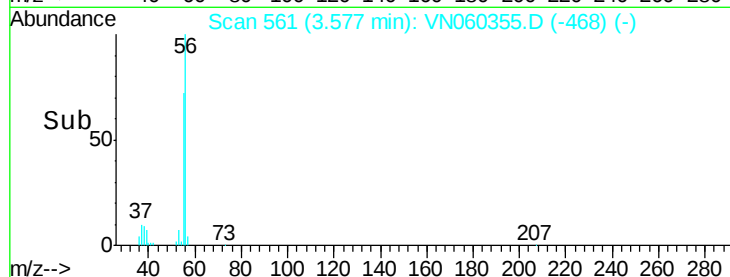
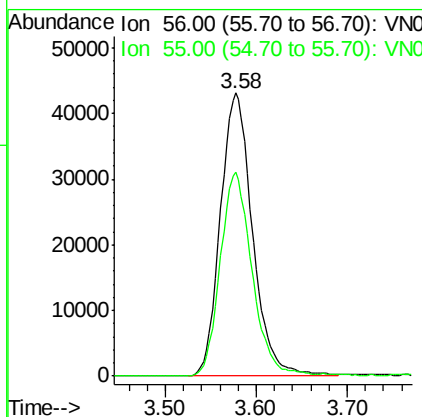
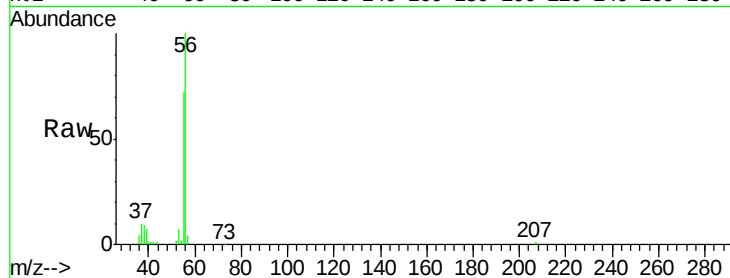
#13
Acrolein
Concen: 306.158 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	106191
Ion Ratio	Lower	Upper	
56	100		
55	70.9	57.4	86.0

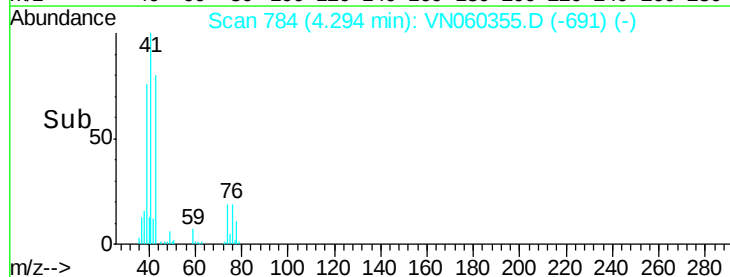
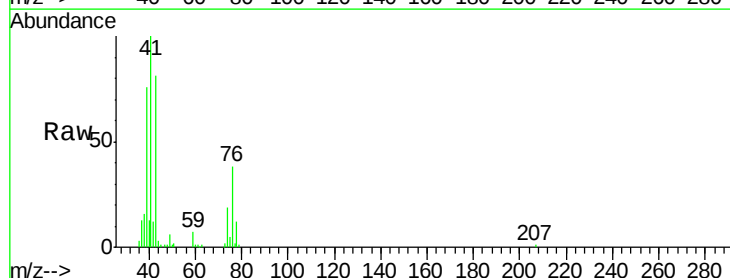
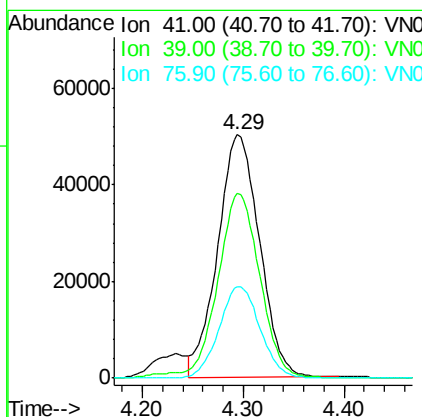
Manual Integrations
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#14
Allyl chloride
Concen: 42.031 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion	41	Resp	145298
Ion Ratio	Lower	Upper	
41	100		
39	75.8	55.4	83.2
76	37.0	27.0	40.6





#15

Acrylonitrile

Concen: 247.324 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

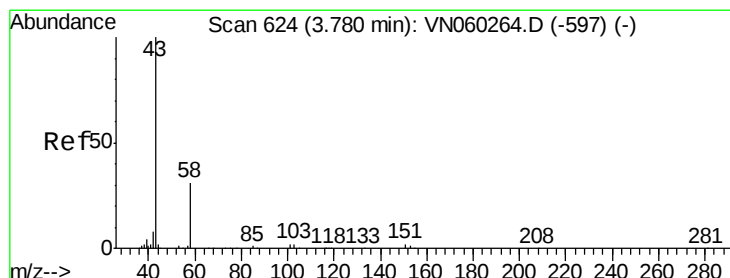
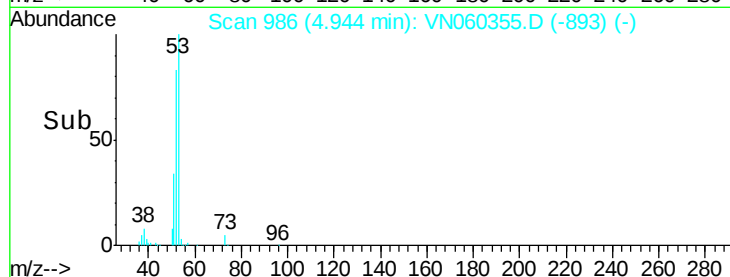
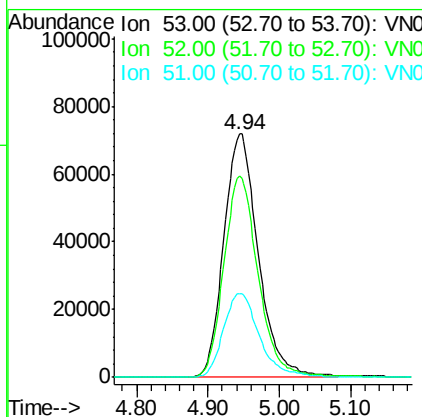
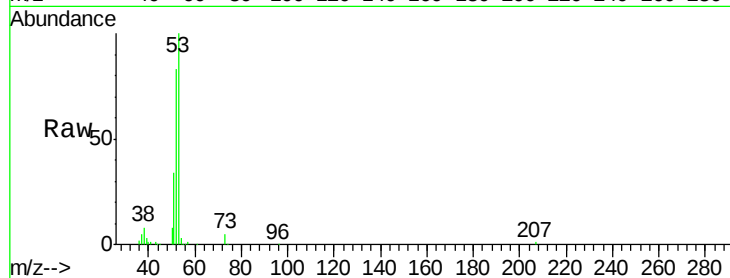
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	242372
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.8	100.2
51	35.9	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 241.647 ug/l

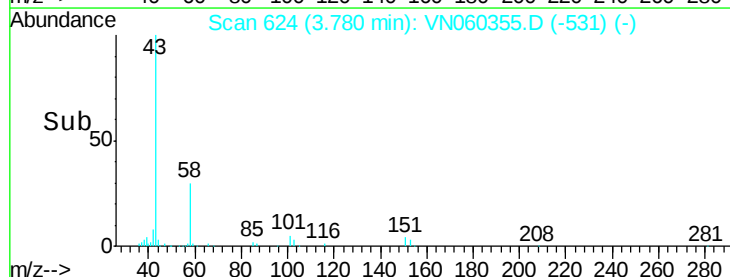
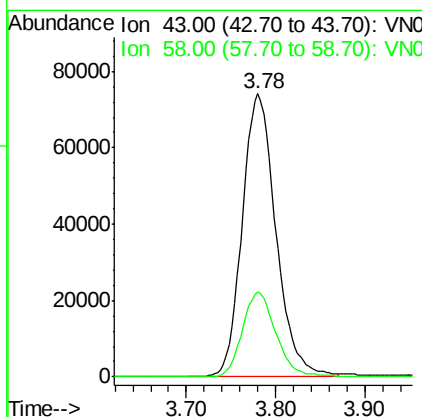
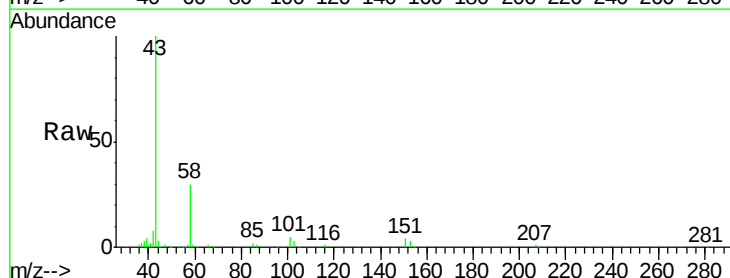
RT: 3.78 min Scan# 624

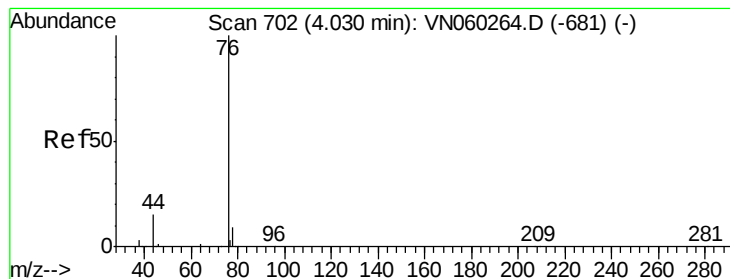
Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Tgt Ion:	43	Resp:	195391
Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.6	36.8





#17

Carbon Disulfide

Concen: 44.059 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 219629

Ion Ratio Lower Upper

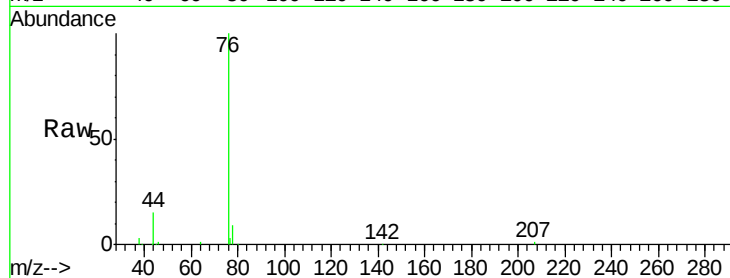
76 100

78 9.0 7.4 11.0

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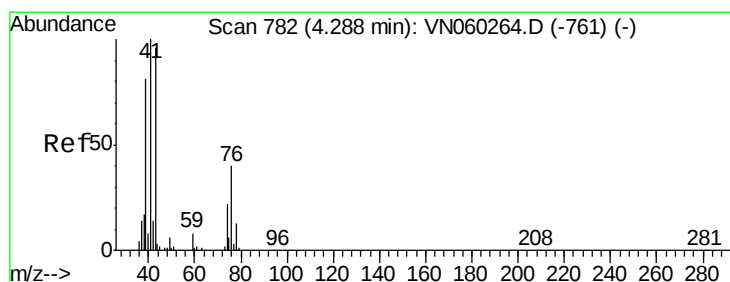
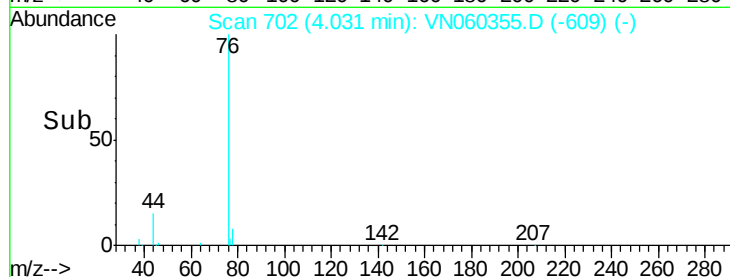
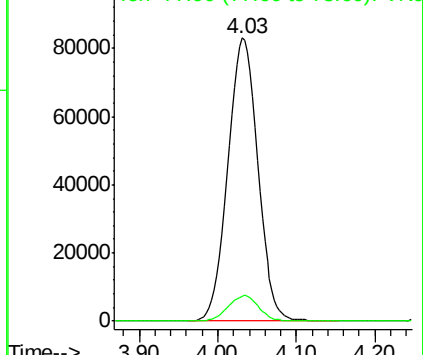
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 46.305 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN060355.D

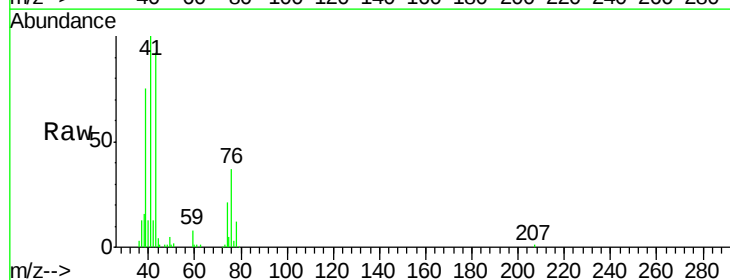
Acq: 4 Mar 2020 17:43

Tgt Ion: 43 Resp: 124949

Ion Ratio Lower Upper

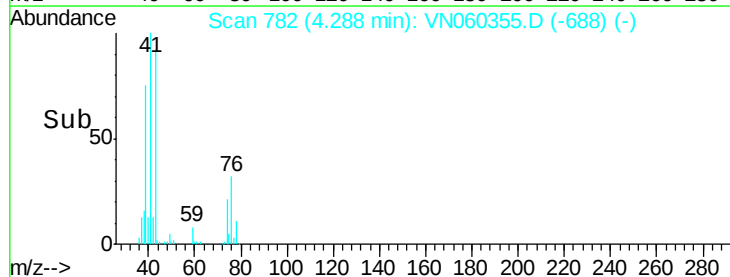
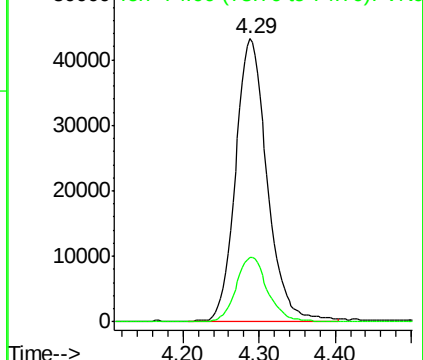
43 100

74 22.6 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





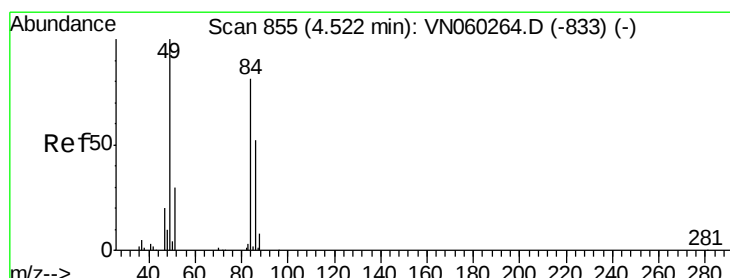
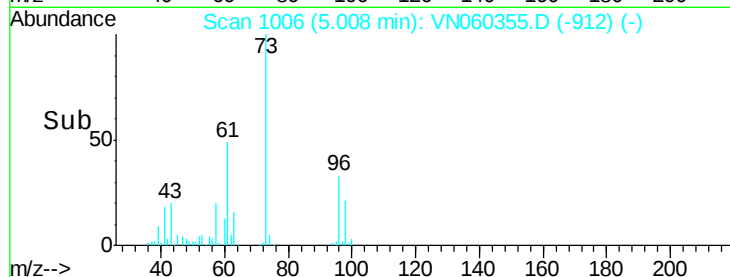
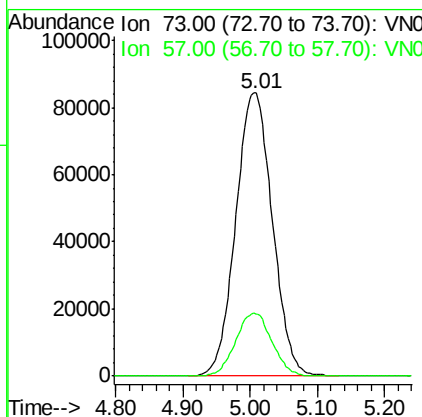
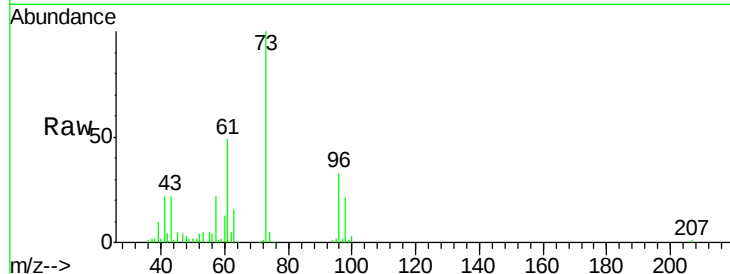
#19
Methvl tert-butvl Ether
Concen: 46.899 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 319250
Ion Ratio Lower Upper
73 100
57 22.1 17.3 25.9

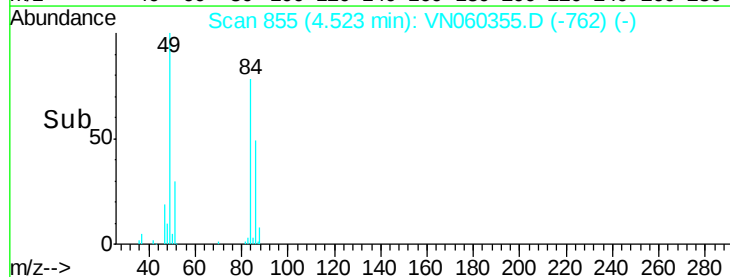
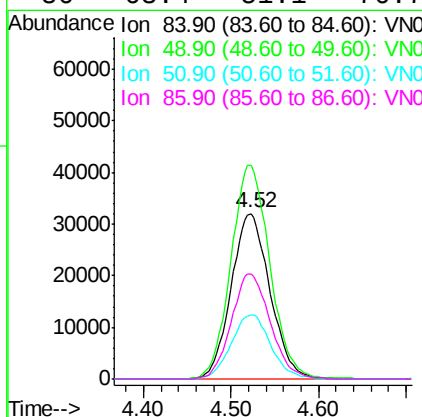
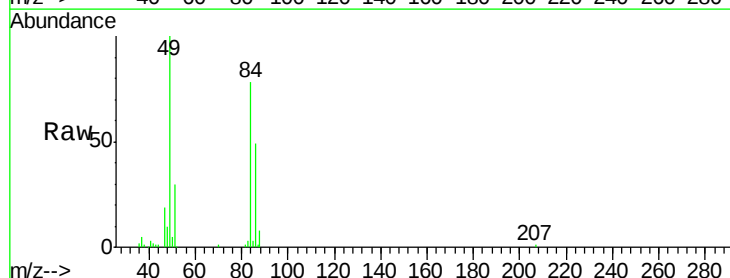
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#20
Methylene Chloride
Concen: 44.360 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion: 84 Resp: 98506
Ion Ratio Lower Upper
84 100
49 129.0 99.3 148.9
51 38.4 30.1 45.1
86 63.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 45.712 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

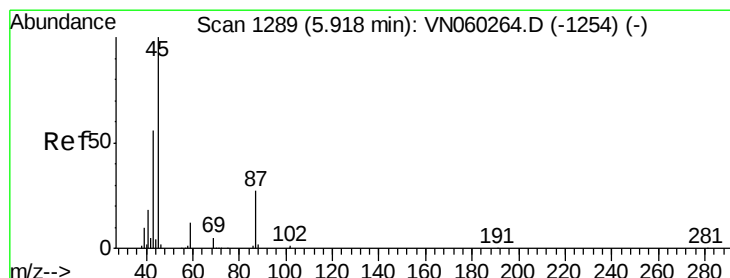
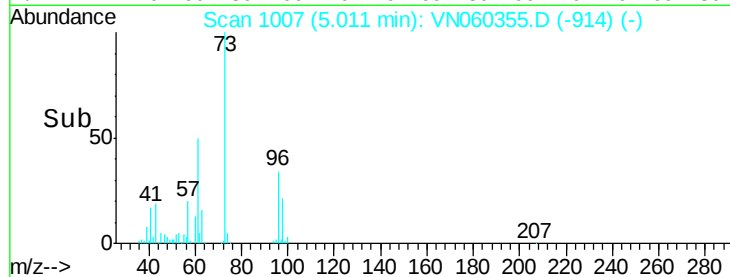
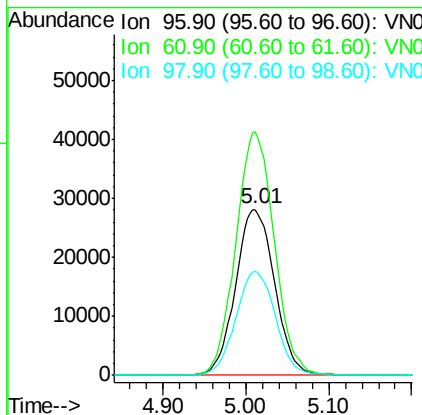
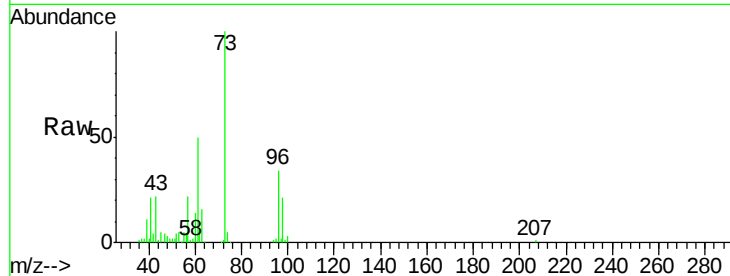
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	92157
Ion Ratio	Lower	Upper	
96	100		
61	147.0	113.8	170.8
98	62.5	48.8	73.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.442 ug/l

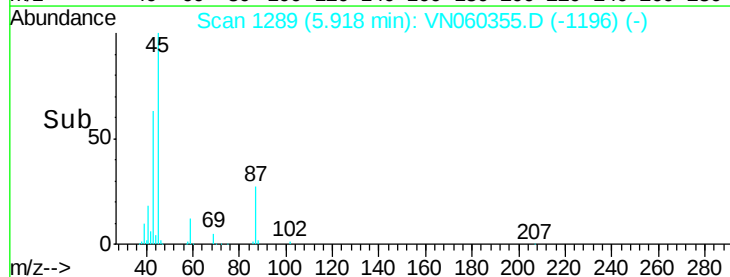
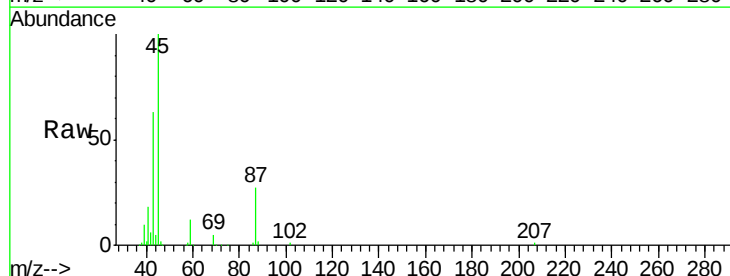
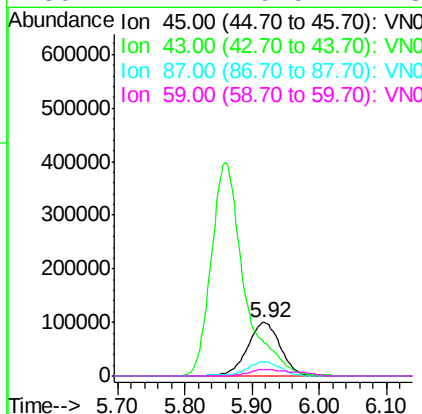
RT: 5.92 min Scan# 1289

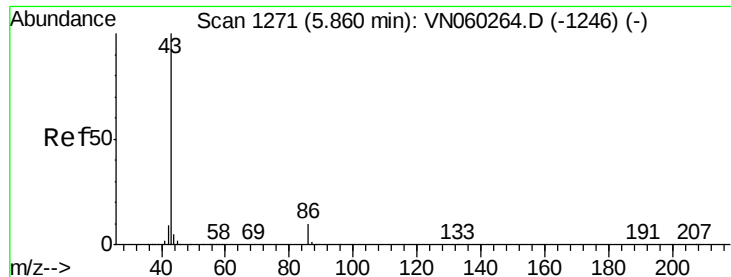
Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Tgt Ion:	45	Resp:	339210
Ion Ratio	Lower	Upper	
45	100		
43	61.5	48.6	72.8
87	27.3	22.2	33.2
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 243.210 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Tot Ion: 43 Resp: 1353291

Ion Ratio Lower Upper

43 100

86 9.9 8.0 12.0

Instrument :

MSVOA_N

ClientSampleId :

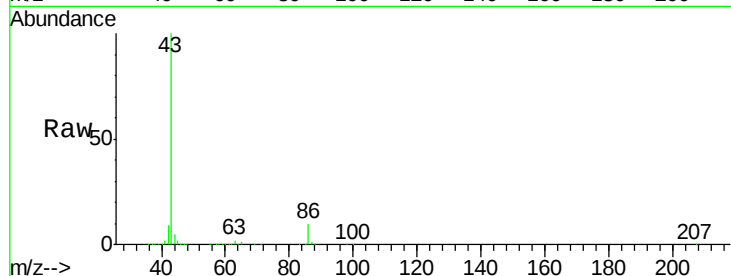
VSTDCCC050EC

Manual Integrations

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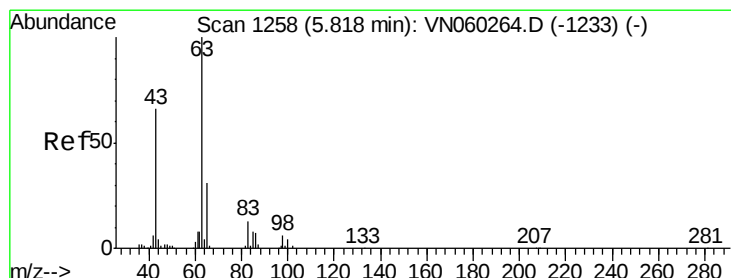
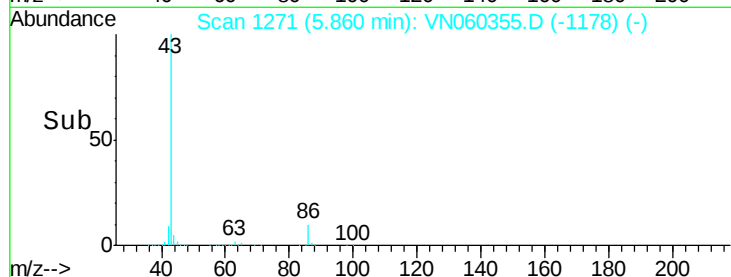
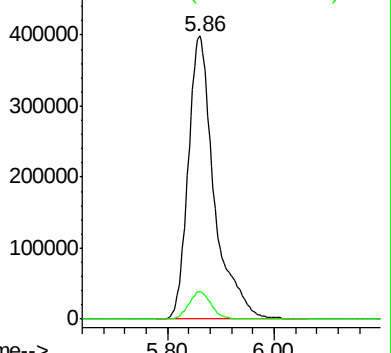
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.338 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

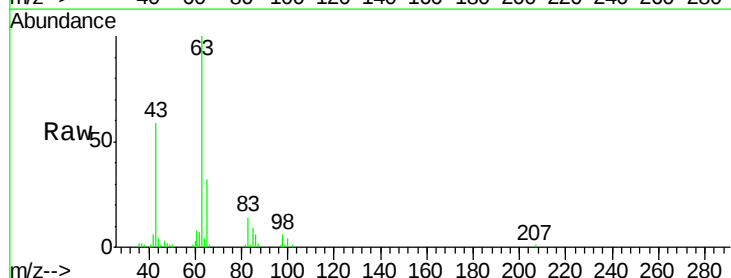
Tgt Ion: 63 Resp: 187639

Ion Ratio Lower Upper

63 100

98 6.4 3.0 9.0

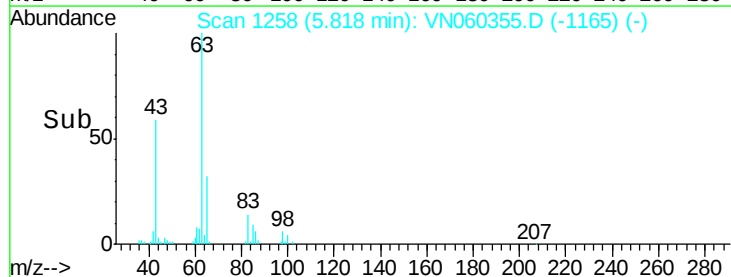
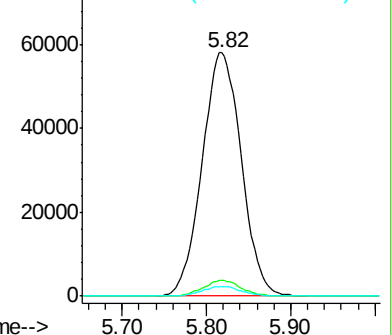
100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





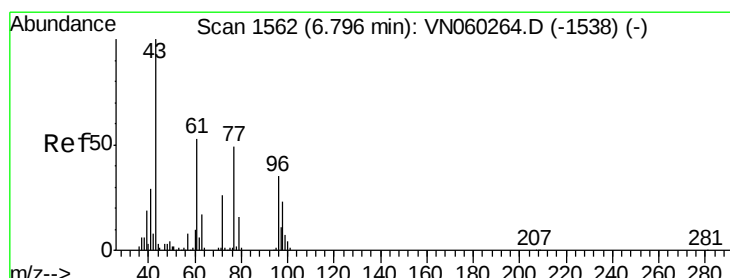
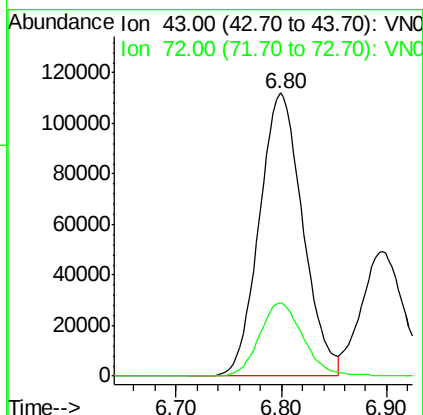
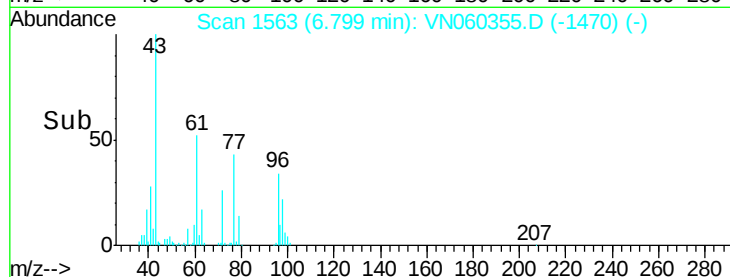
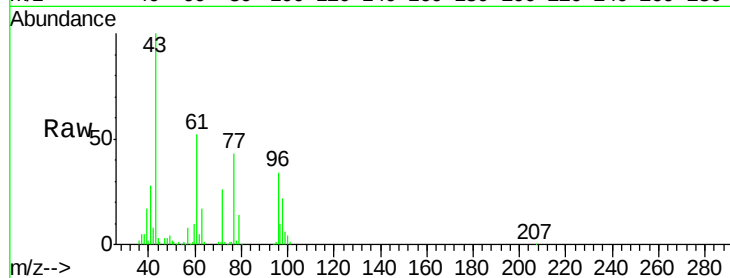
#25
2-Butanone
Concen: 245.563 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 320717
Ion Ratio Lower Upper
43 100
72 26.0 20.9 31.3

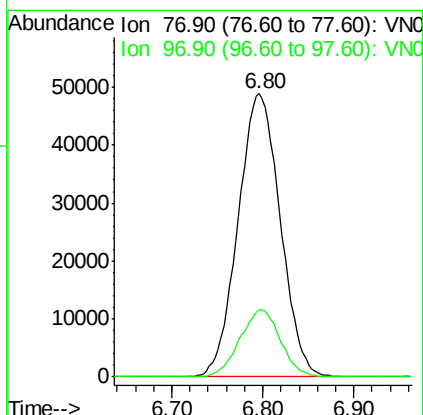
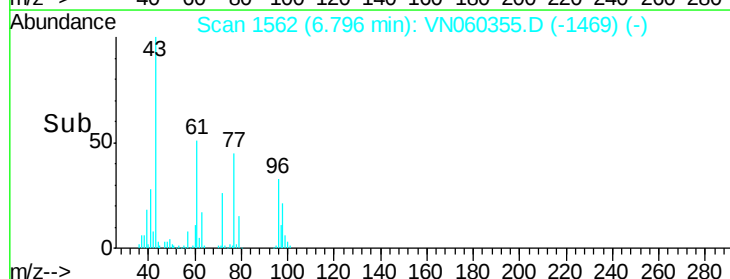
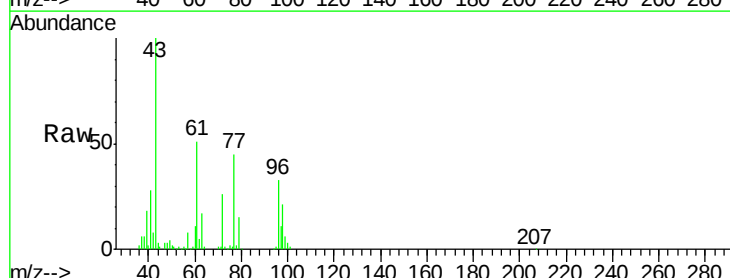
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 43.593 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion: 77 Resp: 157306
Ion Ratio Lower Upper
77 100
97 22.7 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 43.253 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

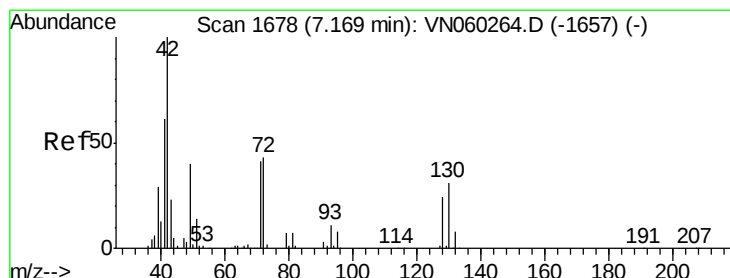
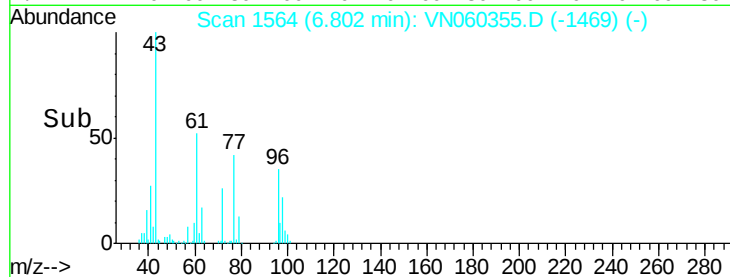
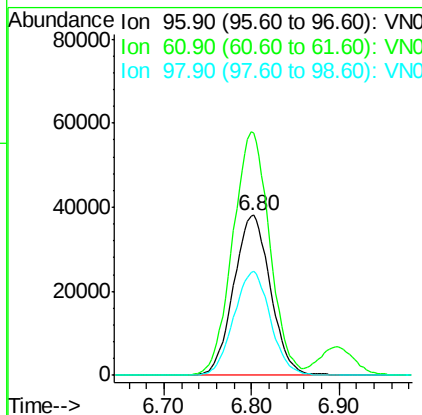
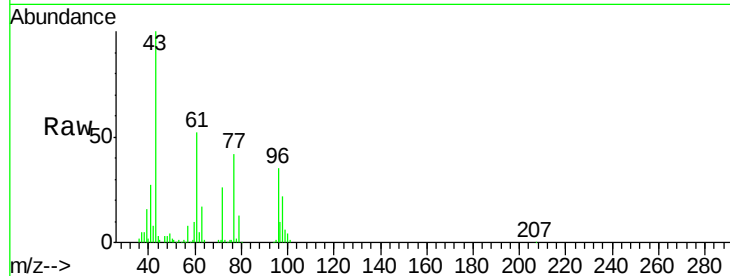
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	111374
Ion	Ratio	Lower	Upper
96	100		
61	152.3	0.0	300.8
98	64.5	0.0	128.2

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#28

Bromochloromethane

Concen: 49.071 ug/l

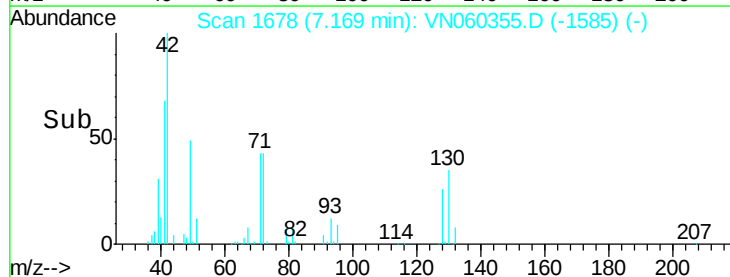
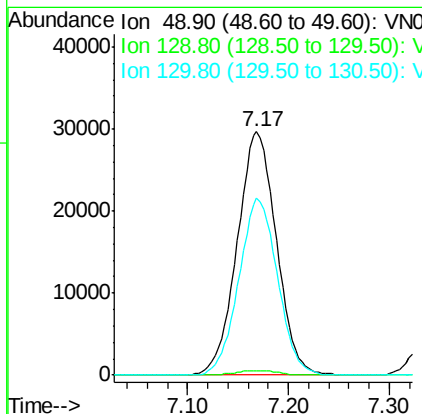
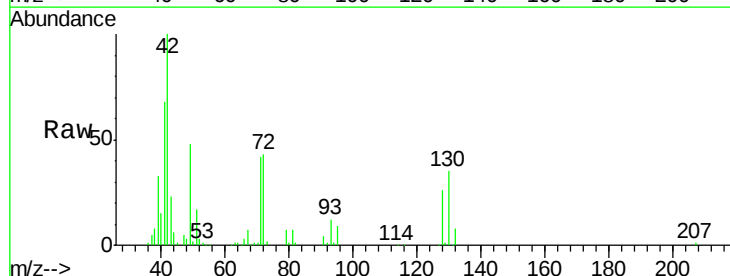
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Tgt Ion:	49	Resp:	79861
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	71.6	59.8	89.8





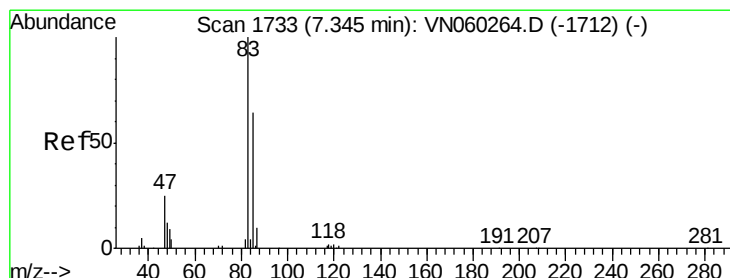
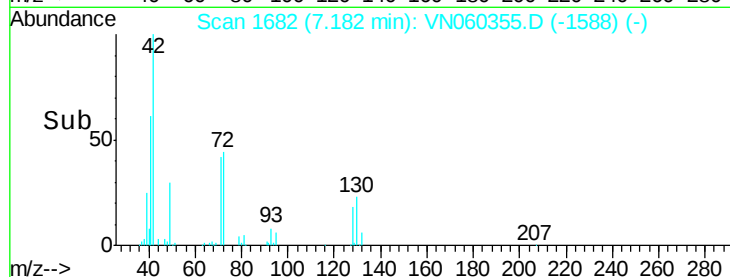
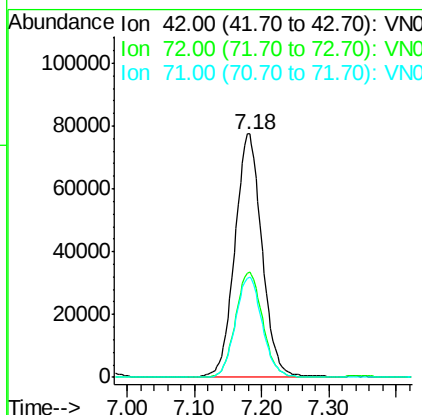
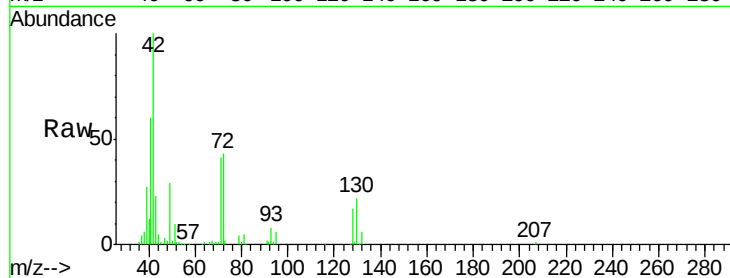
#29
Tetrahydrofuran
Concen: 238.824 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	34.6	52.0
71	40.8	32.9	49.3

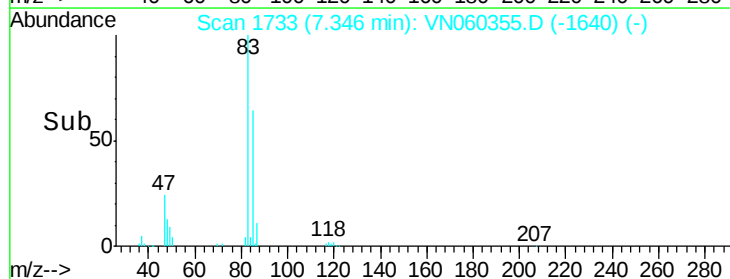
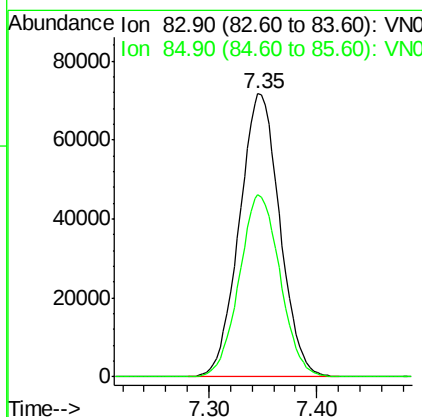
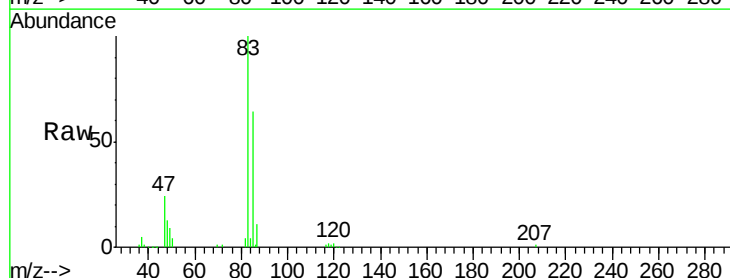
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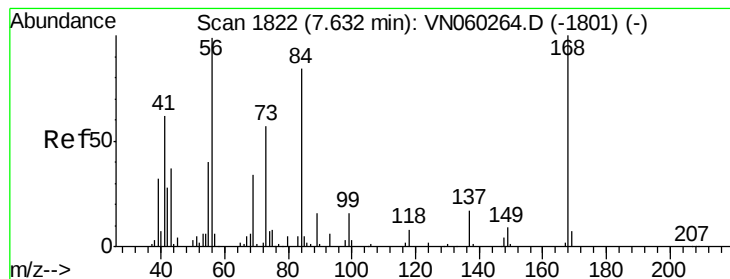
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#30
Chloroform
Concen: 47.432 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.2





#31

Cyclohexane

Concen: 47.765 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 56 Resp: 161768

Ion Ratio Lower Upper

56 100

69 34.5 27.2 40.8

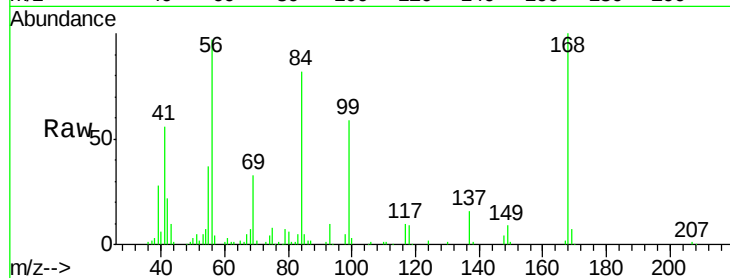
84 83.2 66.7 100.1

Manual Integrations

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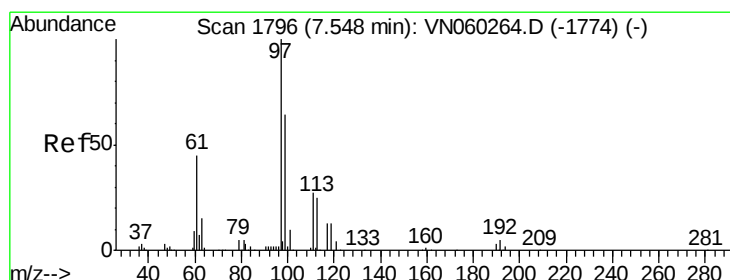
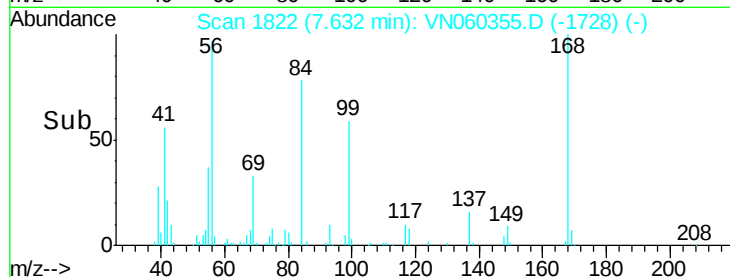
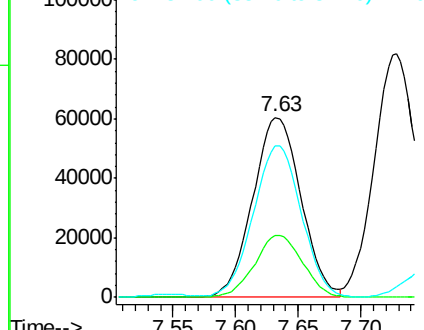
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Abundance Ion 56.00 (55.70 to 56.70): VN060355.D (-1728) (-)

Ion 69.00 (68.70 to 69.70): VN060355.D (-1728) (-)

Ion 84.00 (83.70 to 84.70): VN060355.D (-1728) (-)



#32

1,1,1-Trichloroethane

Concen: 47.104 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

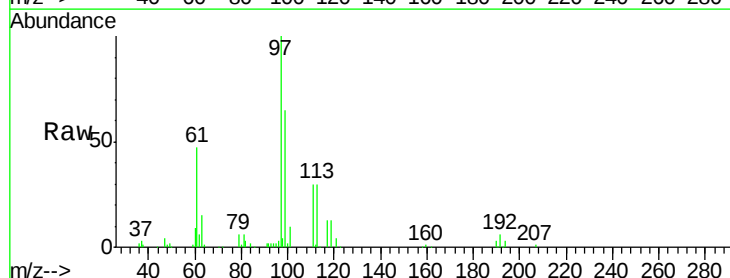
Tgt Ion: 97 Resp: 164680

Ion Ratio Lower Upper

97 100

99 64.6 51.4 77.0

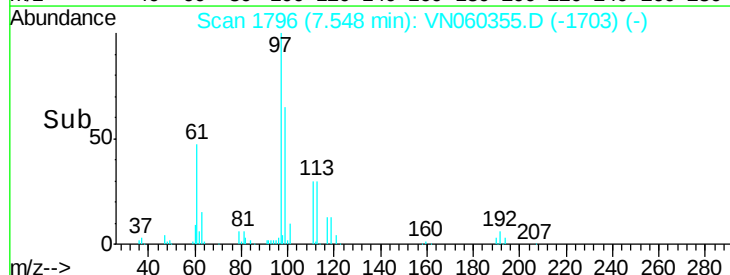
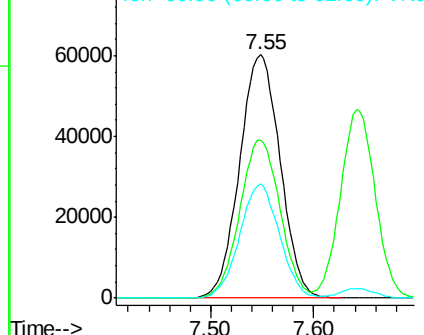
61 46.1 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN060355.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060355.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060355.D (-1703) (-)





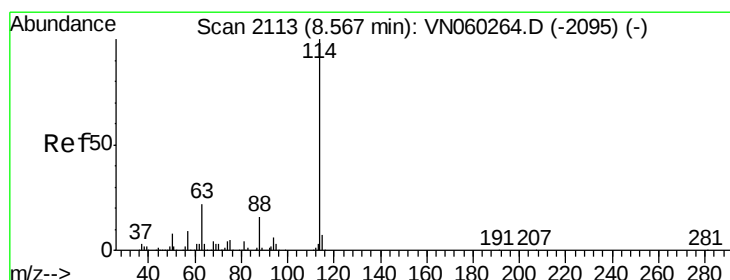
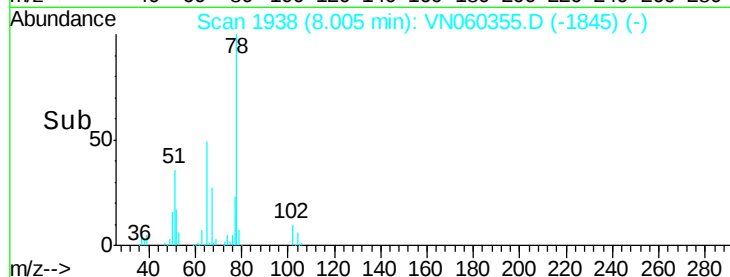
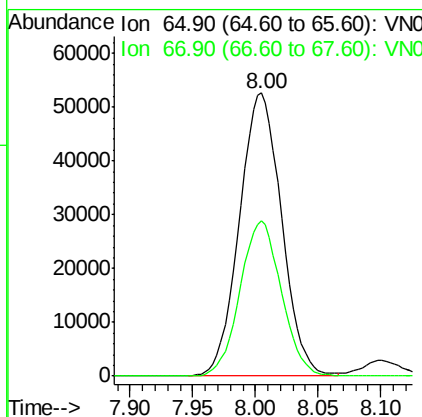
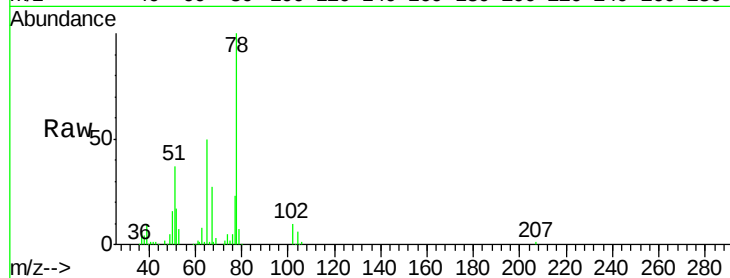
#33
 1,2-Dichloroethane-d4
 Concen: 49.219 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.5	0.0	103.8	

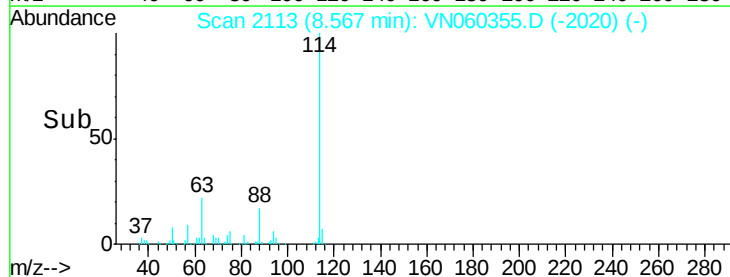
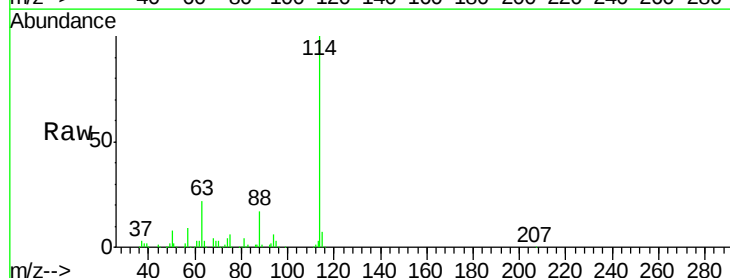
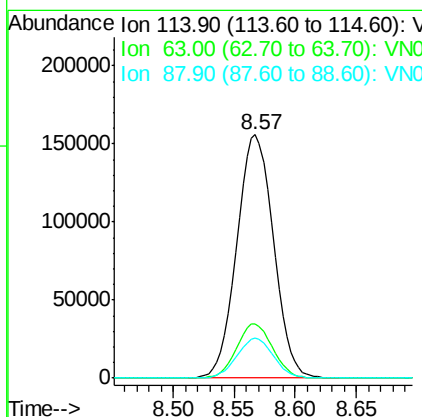
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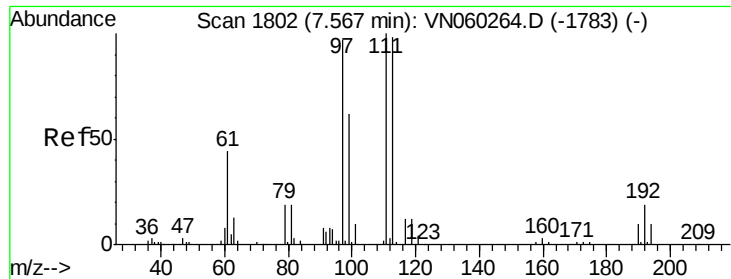
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.4	0.0	43.2	
88	16.5	0.0	31.6	





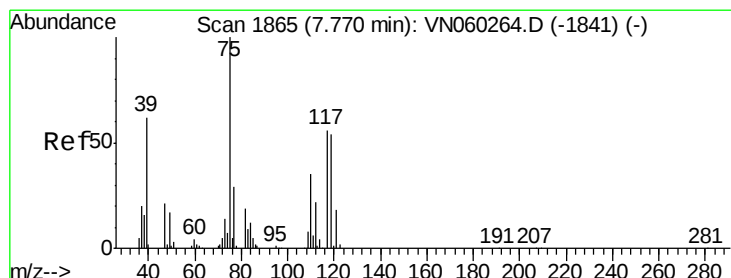
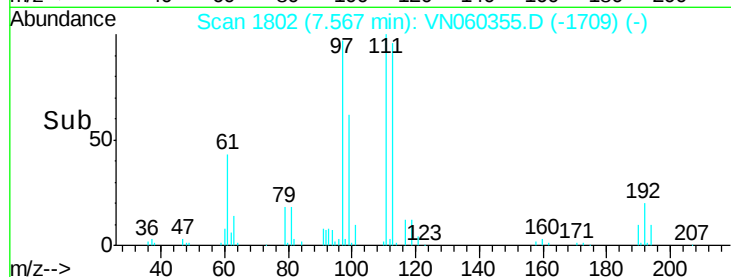
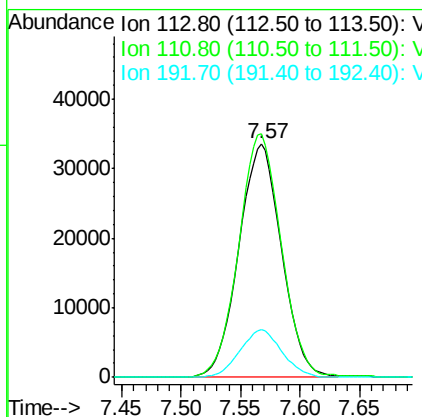
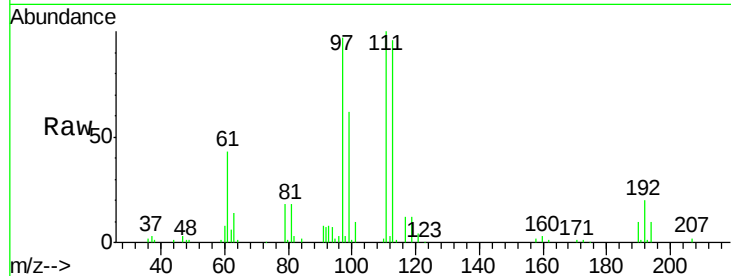
#35
Dibromofluoromethane
Concen: 55.397 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.4	123.6
192	20.0	16.2	24.2

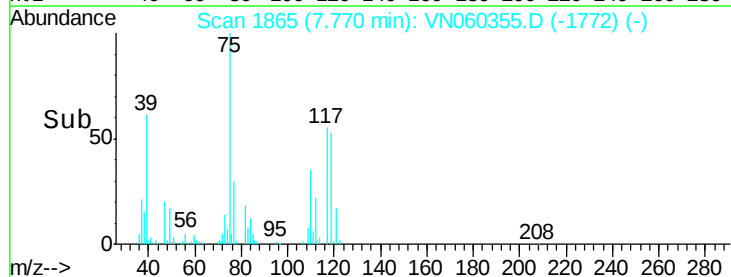
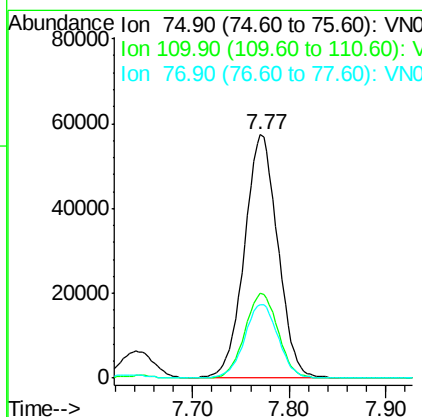
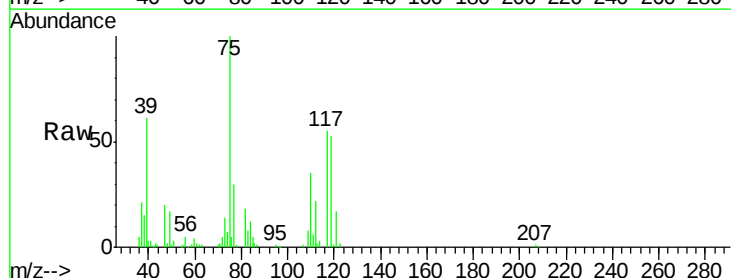
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#36
1,1-Dichloropropene
Concen: 44.558 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.3	52.0
77	30.7	24.2	36.2





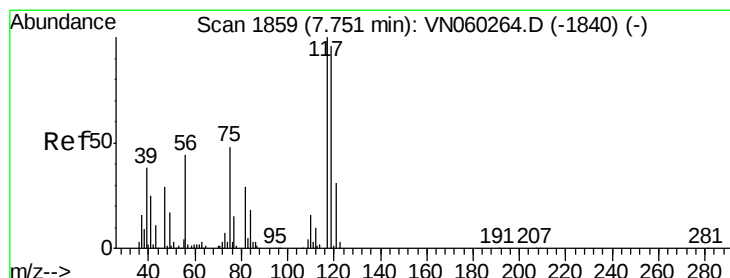
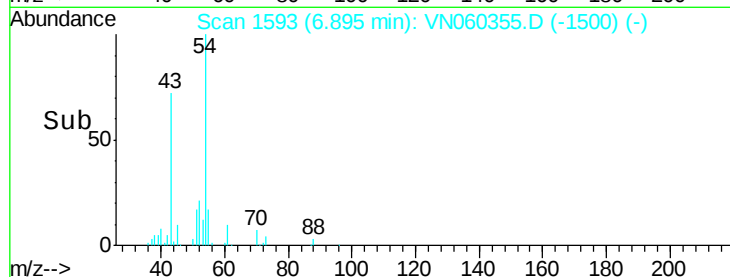
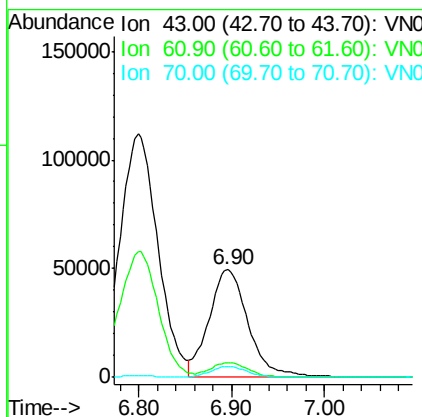
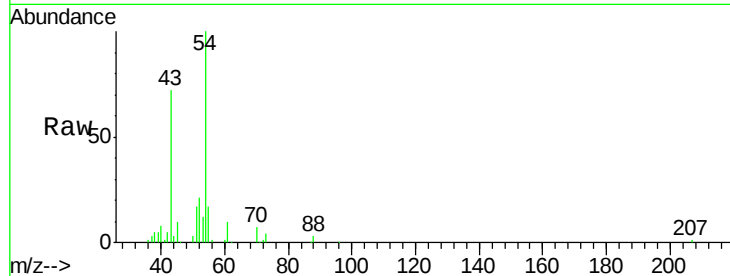
#37
Ethyl Acetate
Concen: 48.805 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.1	16.7
70	9.9	8.4	12.6

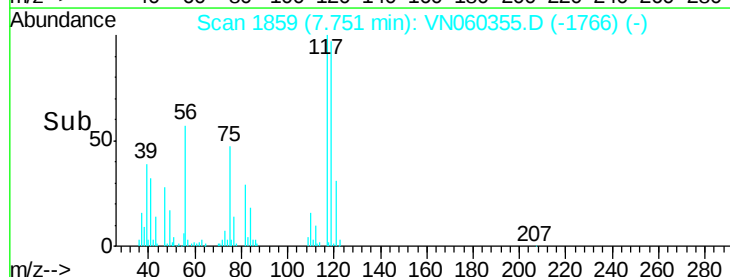
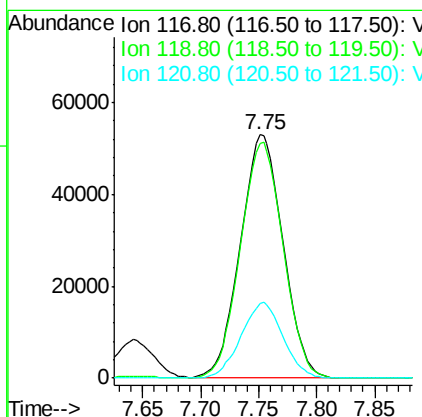
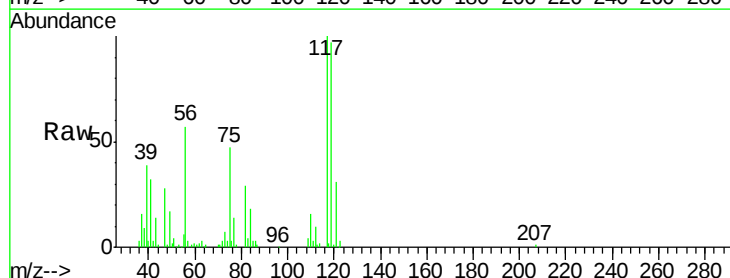
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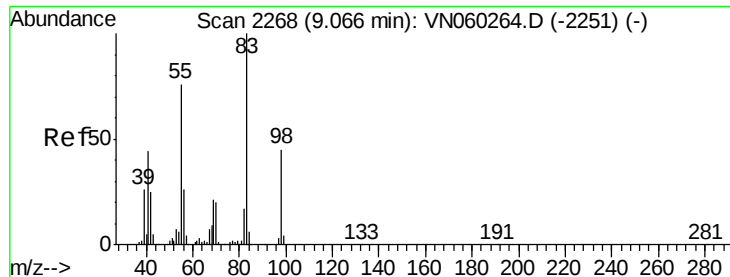
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#38
Carbon Tetrachloride
Concen: 45.120 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.7	115.1
121	30.5	24.5	36.7





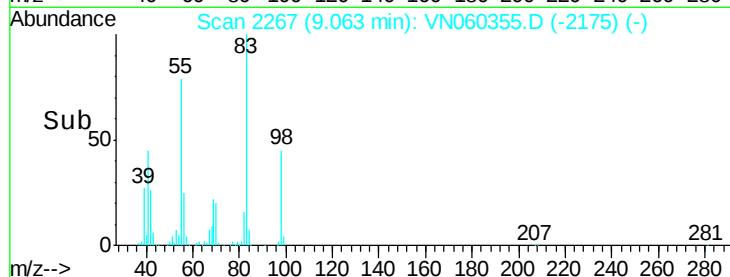
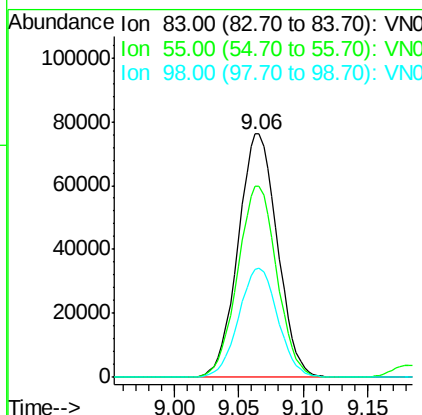
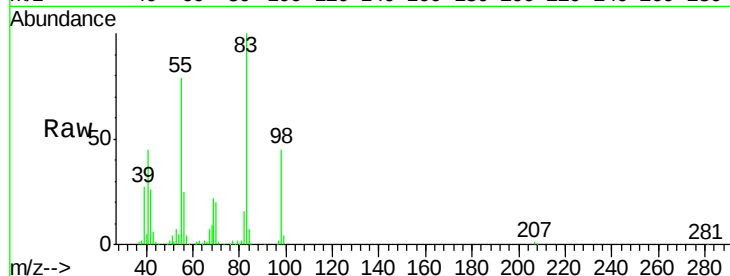
#39
Methvlcvclohexane
Concen: 44.300 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	61.0	91.4
98	44.5	36.1	54.1

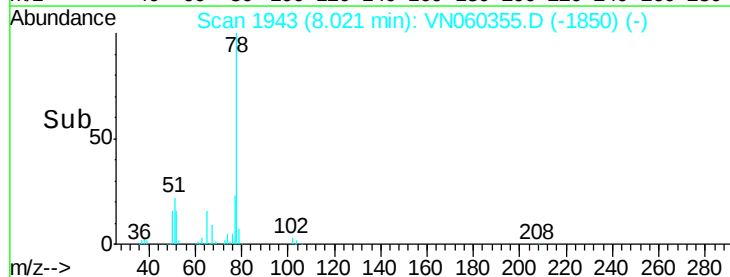
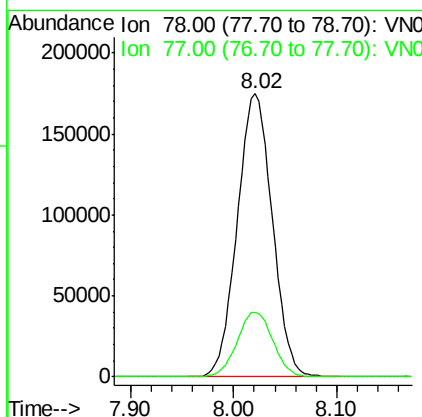
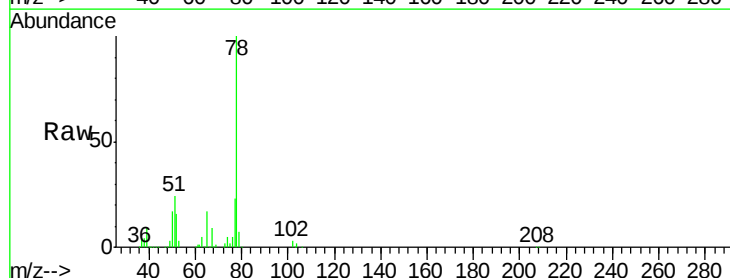
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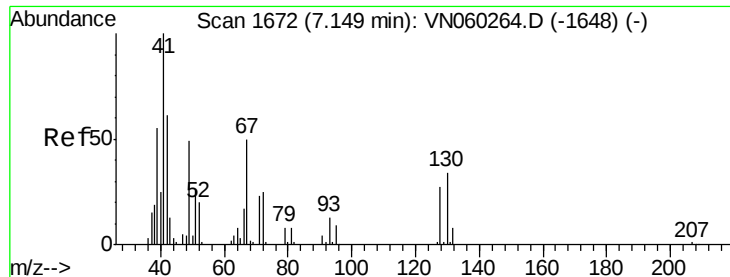
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#40
Benzene
Concen: 45.927 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2





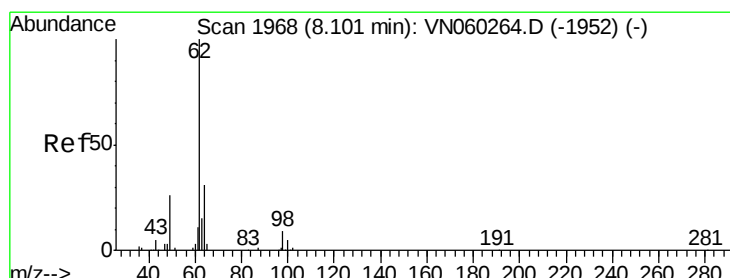
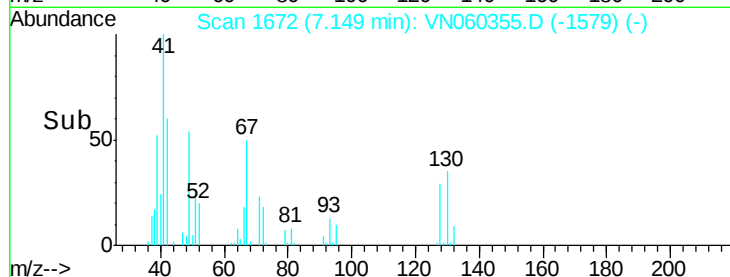
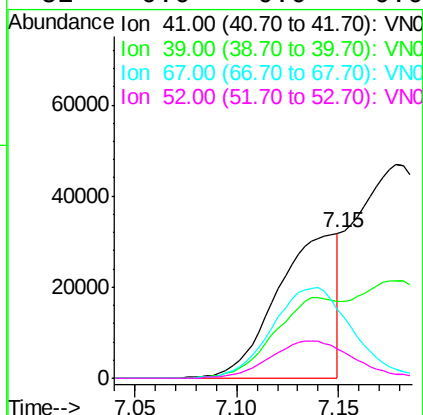
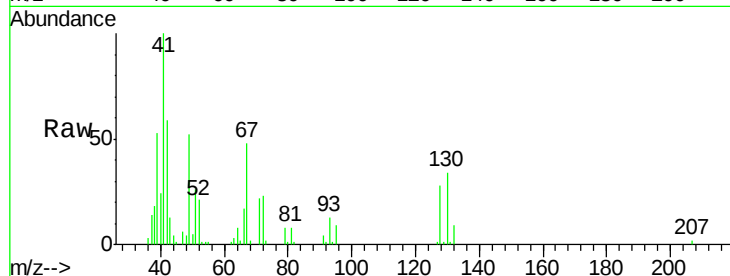
#41
Methacrylonitrile
Concen: 48.938 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	41	Resp	66111
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

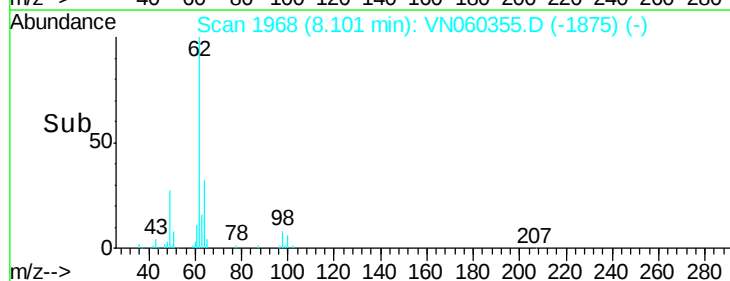
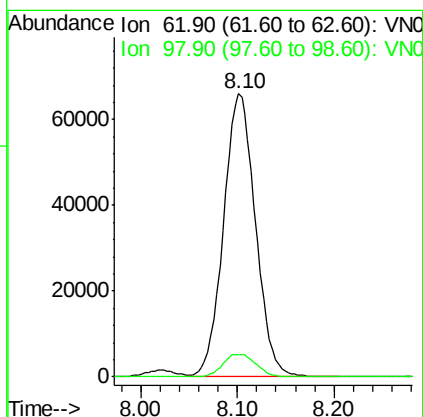
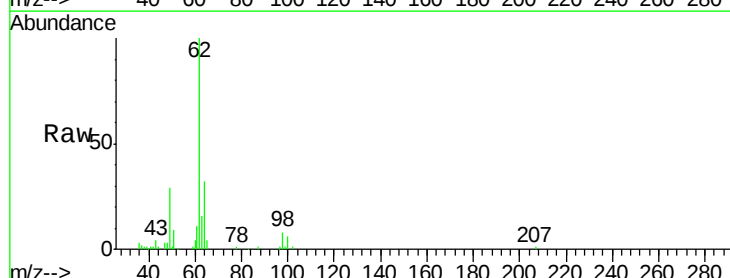
Manual Integrations
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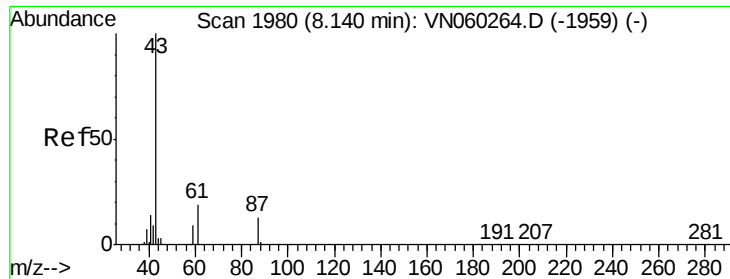
MMDadoda
3/5/2020 1:09:38 PM



#42
1,2-Dichloroethane
Concen: 46.761 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion	62	Resp	151755
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.0





#43

Isopropyl Acetate

Concen: 47.611 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

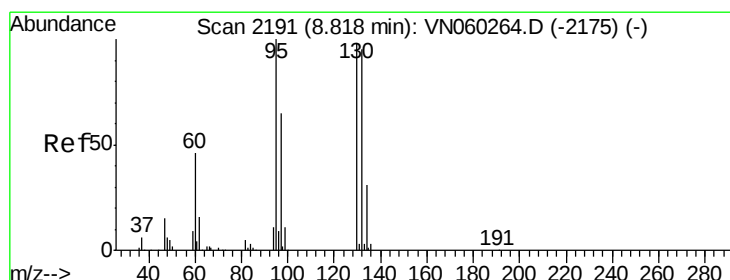
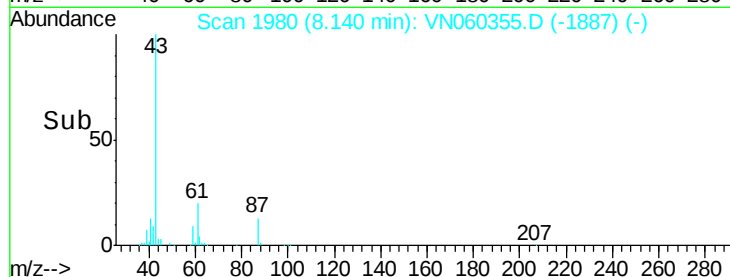
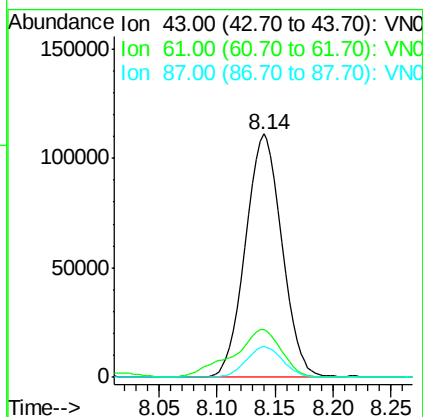
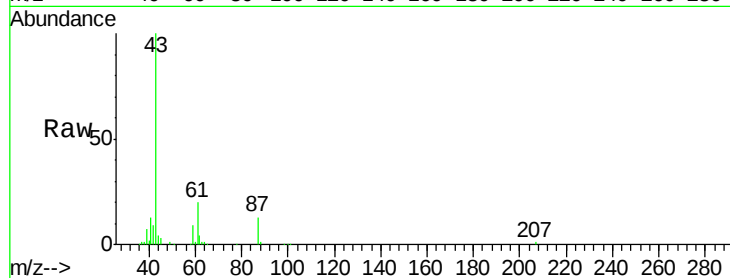
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	243864
Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.9	31.3
87	12.6	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 43.111 ug/l

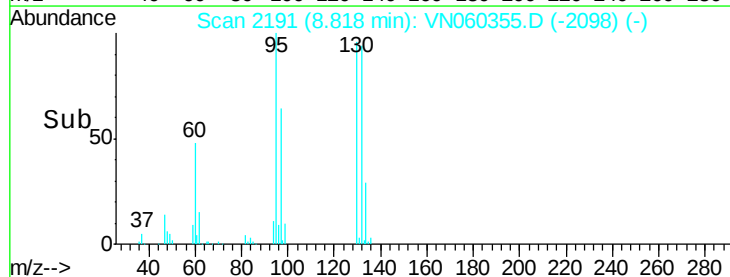
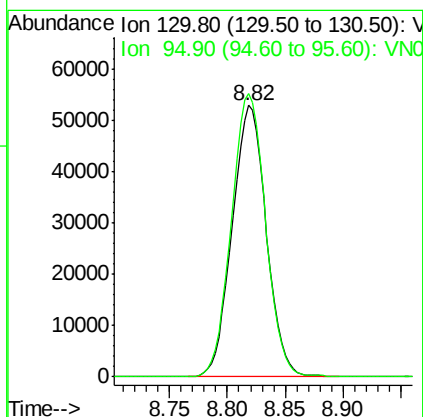
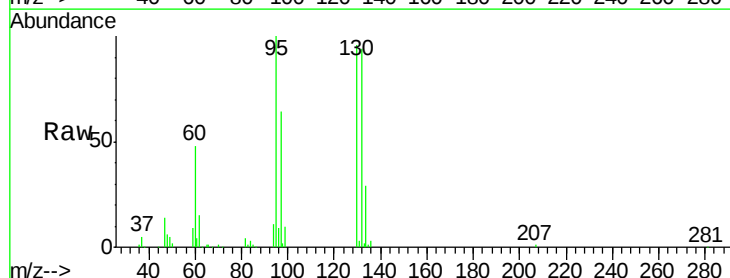
RT: 8.82 min Scan# 2191

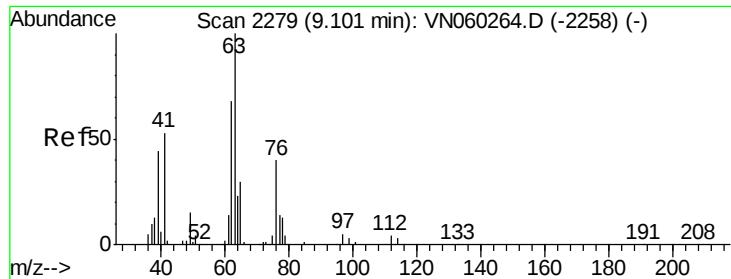
Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Tgt Ion:	130	Resp:	107980
Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	203.4





#45

1,2-Dichloropropane

Concen: 48.191 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 113314

Ion Ratio Lower Upper

63 100

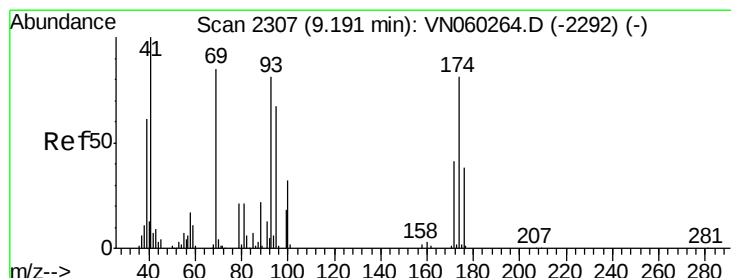
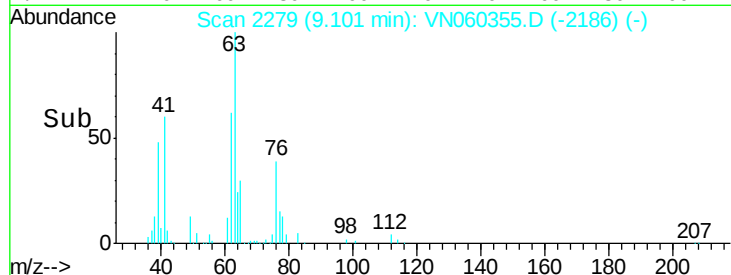
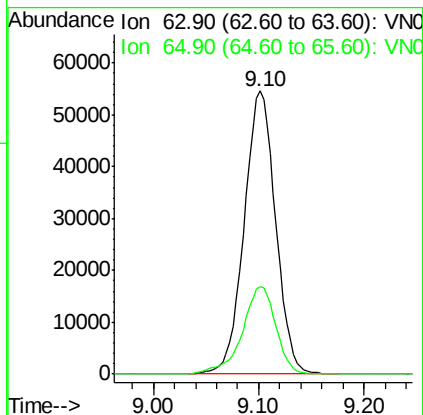
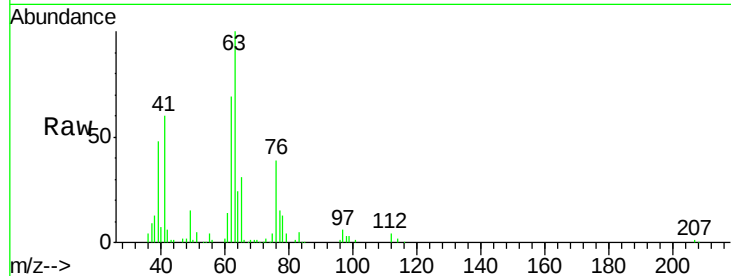
65 30.8 24.4 36.6

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#46

Dibromomethane

Concen: 46.239 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

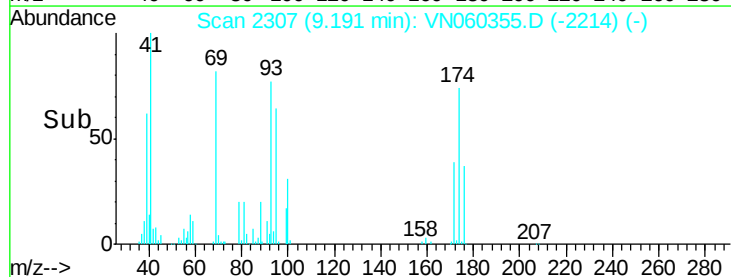
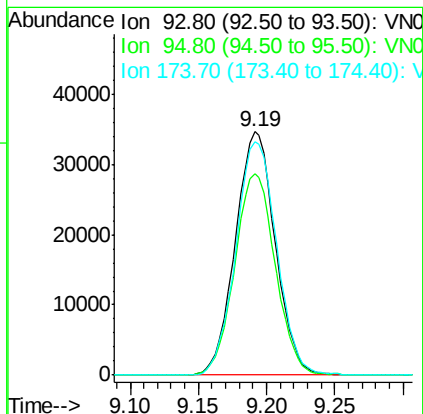
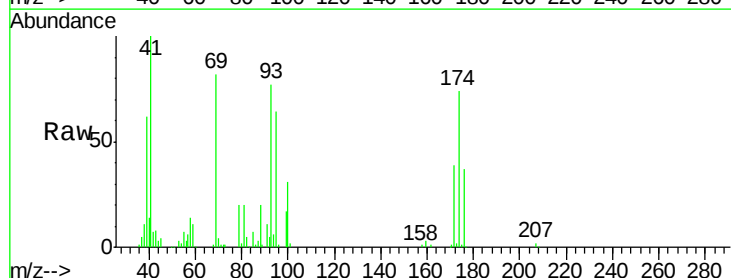
Tgt Ion: 93 Resp: 70547

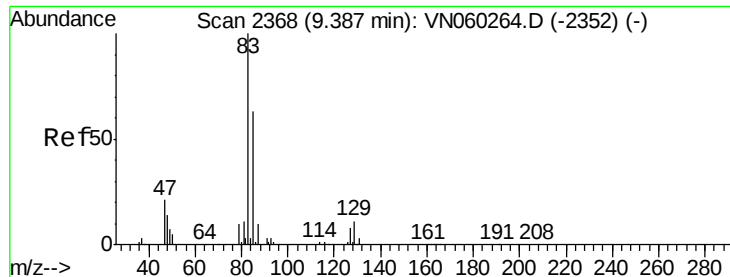
Ion Ratio Lower Upper

93 100

95 83.8 65.9 98.9

174 97.9 79.6 119.4





#47

Bromodichloromethane

Concen: 48.395 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

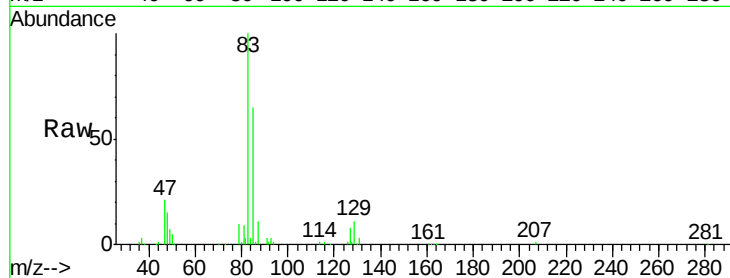
ClientSampleId :

VSTDCCC050EC

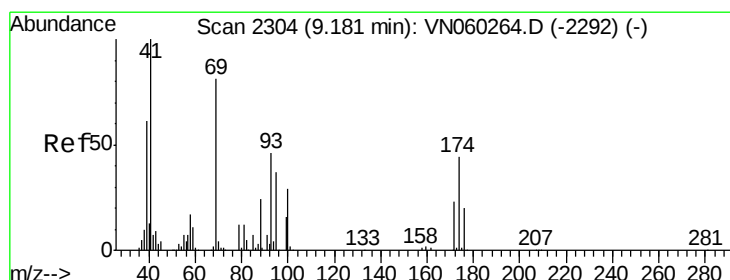
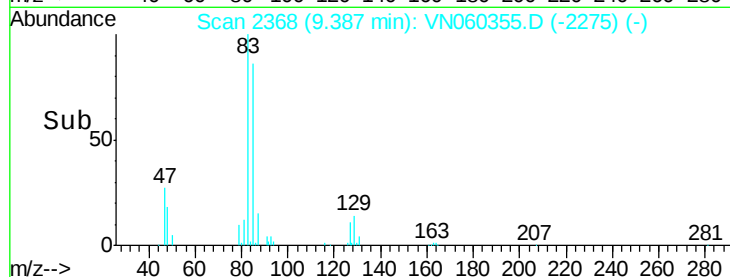
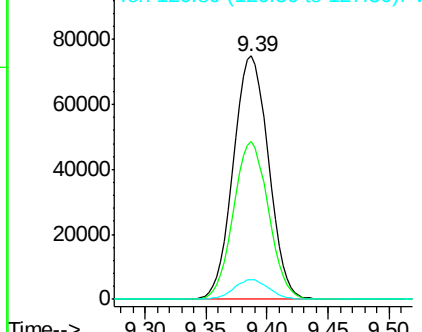
Tot Ion:	83	Resp:	150170
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.7	76.1
127	8.2	6.8	10.2

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Abundance Ion 82.90 (82.60 to 83.60): VN060355.D (-2275) (-)



#48

Methyl methacrylate

Concen: 46.647 ug/l

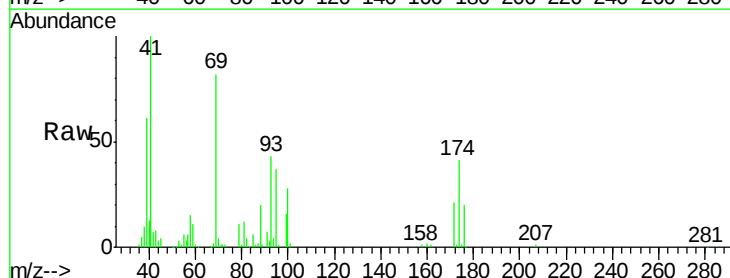
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

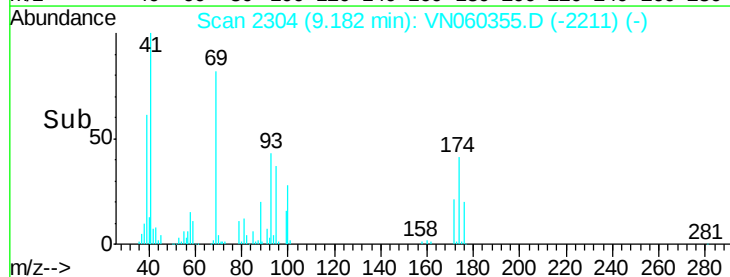
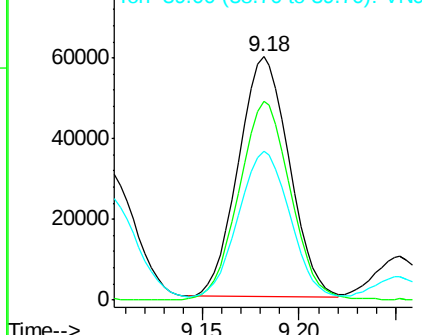
Lab File: VN060355.D

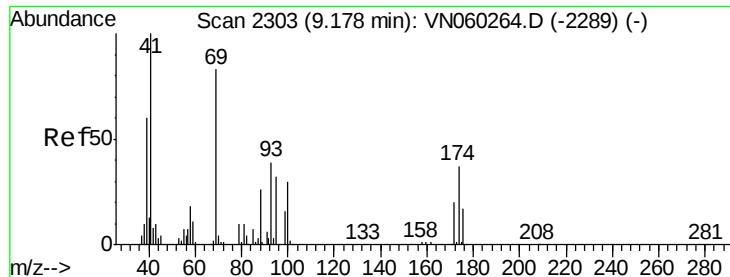
Acq: 4 Mar 2020 17:43

Tgt Ion:	41	Resp:	108953
Ion	Ratio	Lower	Upper
41	100		
69	83.8	66.7	100.1
39	63.9	50.1	75.1



Abundance Ion 41.00 (40.70 to 41.70): VN060355.D (-2211) (-)





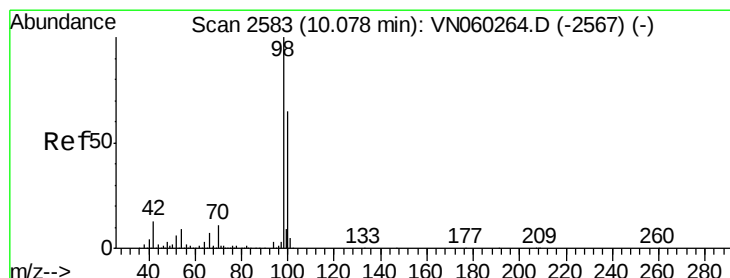
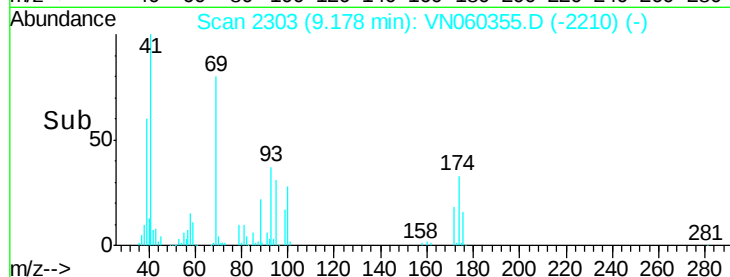
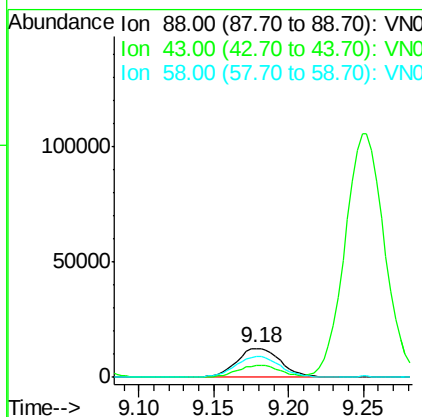
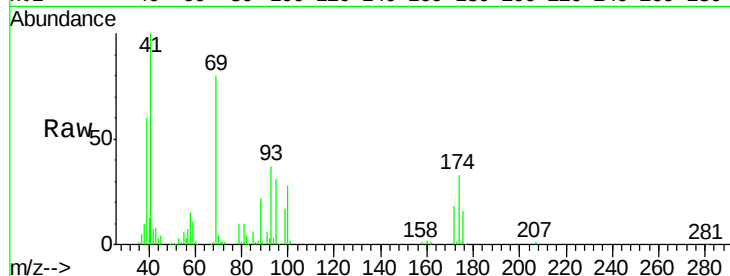
#49
1,4-Dioxane
Concen: 794.793 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.2	30.4	45.6
58	71.7	57.0	85.6

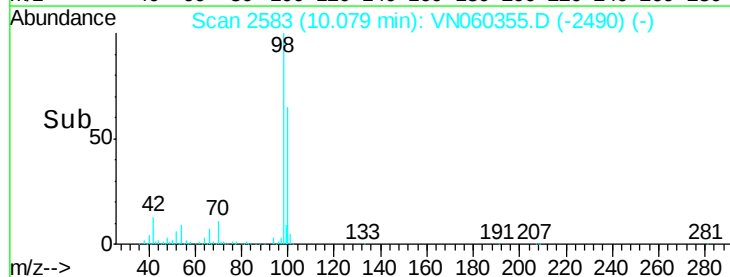
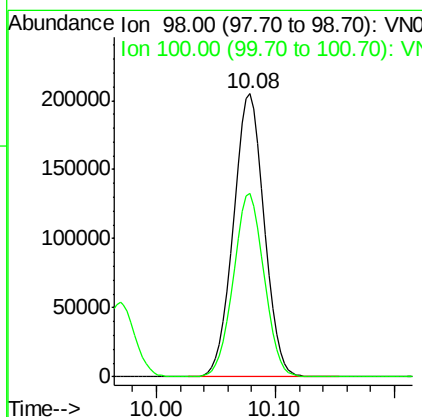
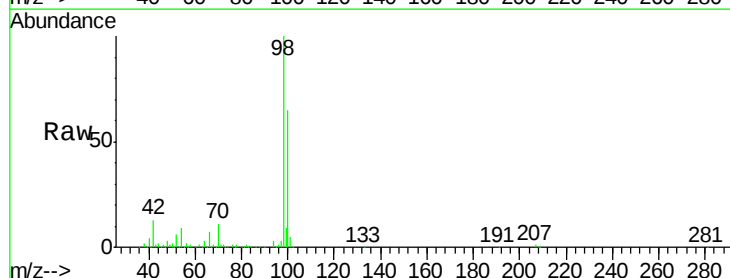
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#50
Toluene-d8
Concen: 48.231 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2





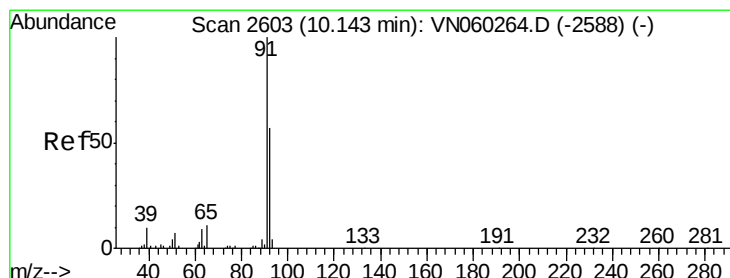
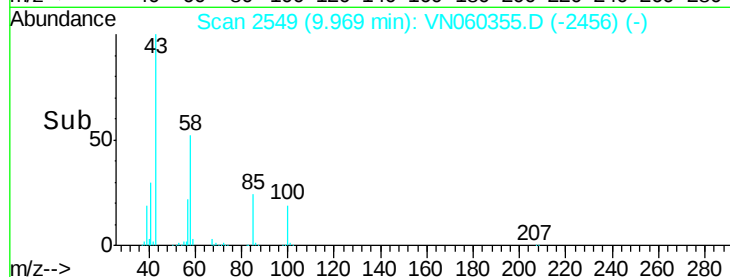
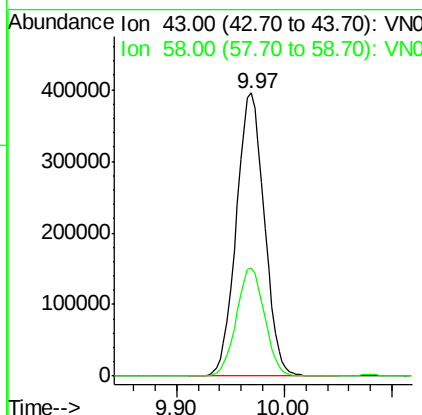
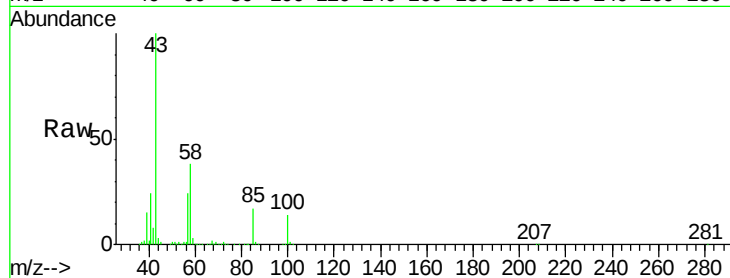
#51
4-Methyl-2-Pentanone
Concen: 246.654 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	716305
Ion Ratio	100	Lower	Upper
43	100		
58	38.3	30.9	46.3

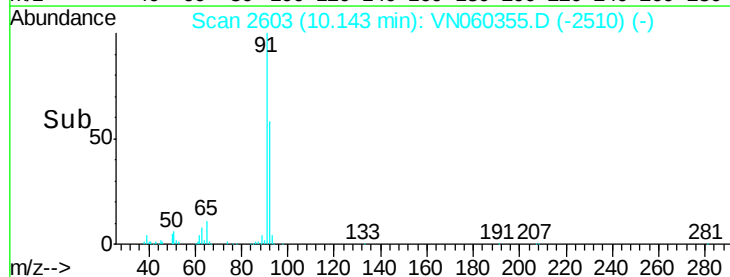
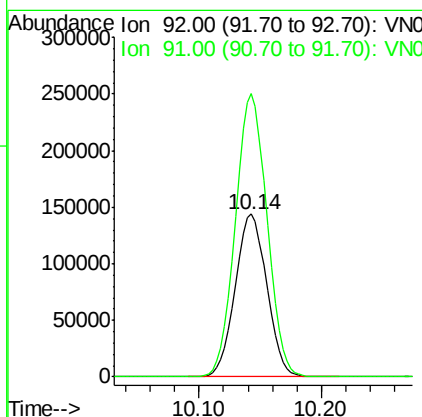
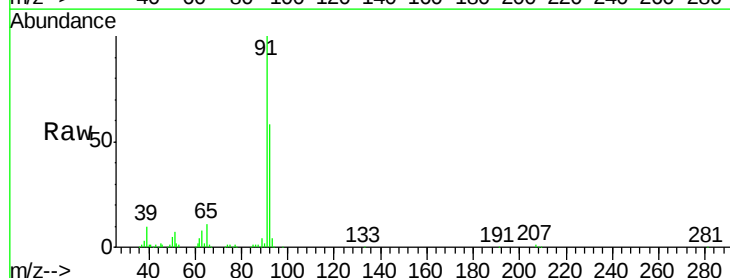
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#52
Toluene
Concen: 45.706 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion	92	Resp	258207
Ion Ratio	100	Lower	Upper
92	100		
91	173.7	138.1	207.1





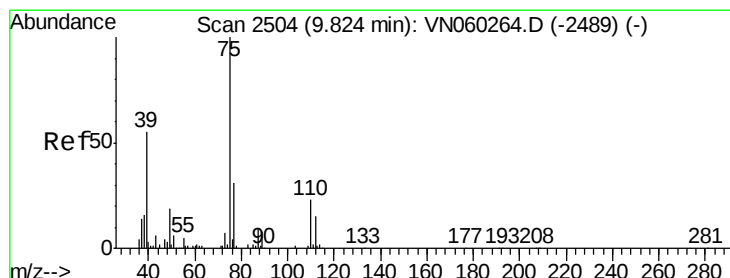
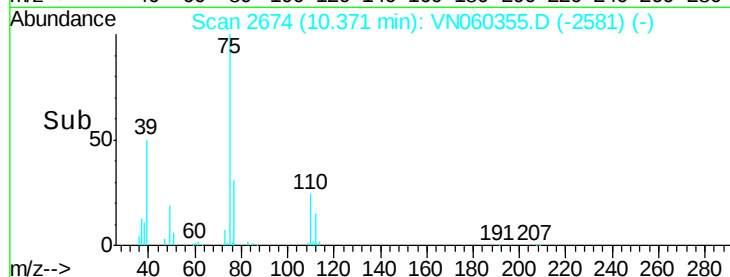
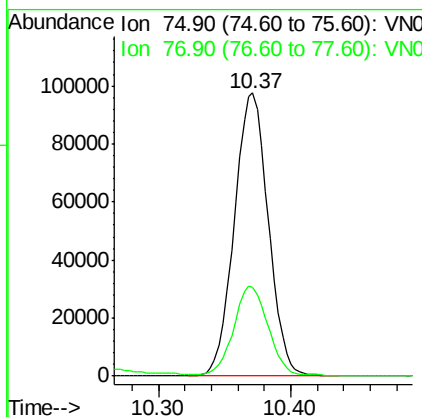
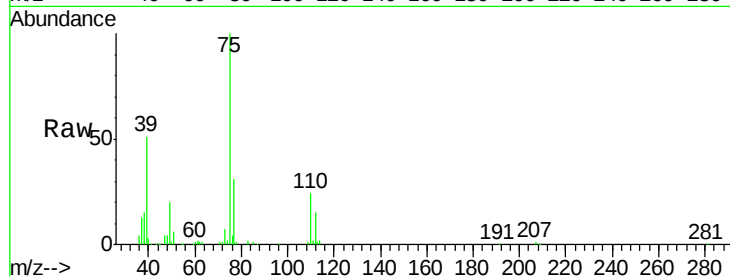
#53
t-1,3-Dichloropropene
Concen: 45.628 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 173487
Ion Ratio Lower Upper
75 100
77 31.1 24.8 37.2

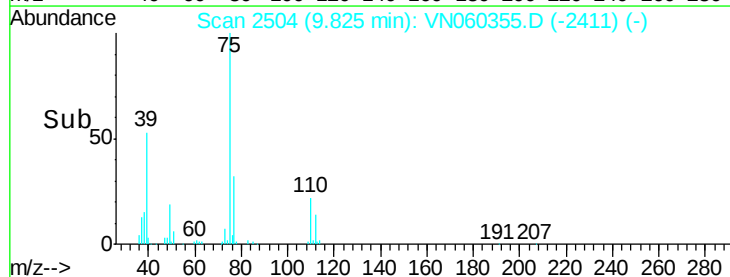
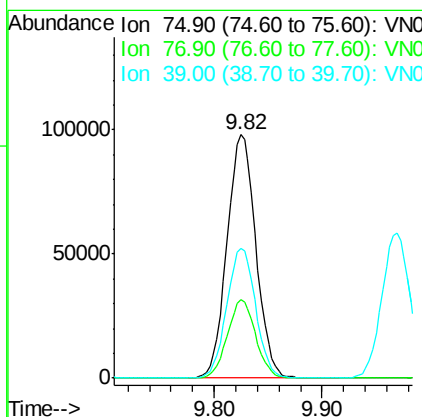
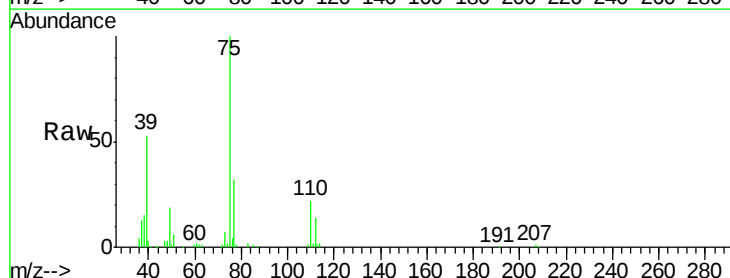
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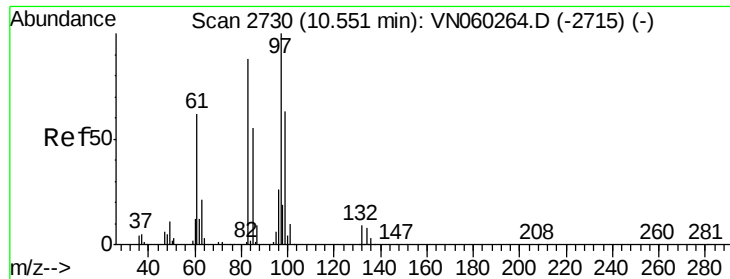
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#54
cis-1,3-Dichloropropene
Concen: 46.438 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion: 75 Resp: 182961
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 53.4 43.8 65.8





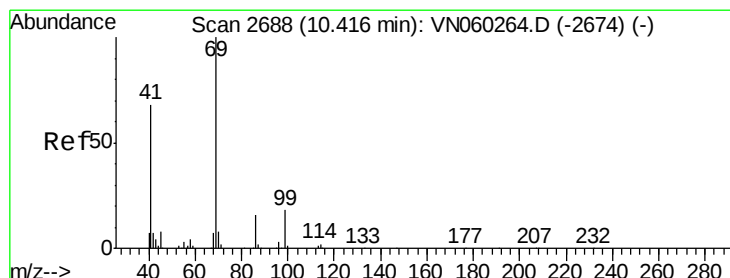
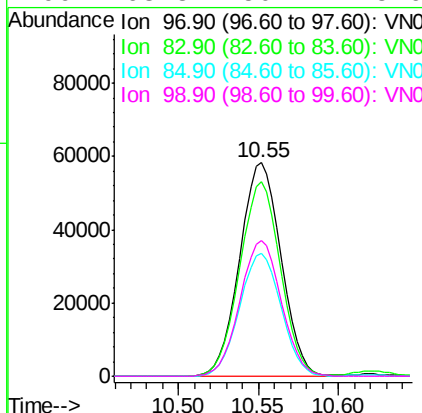
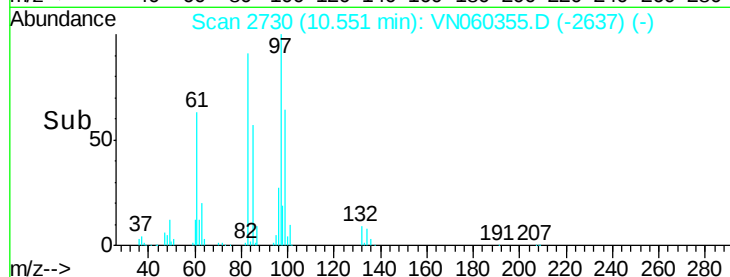
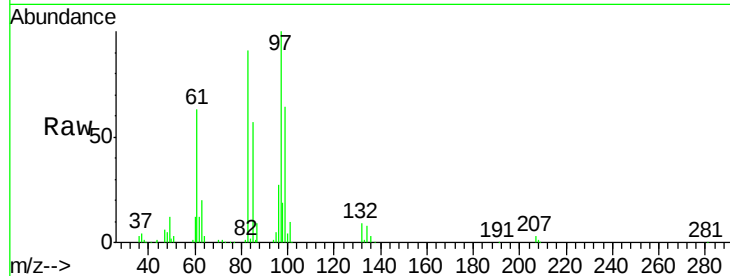
#55
 1,1,2-Trichloroethane
 Concen: 45.475 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	103310
Ion	Ratio	Lower	Upper
97	100		
83	91.1	70.0	105.0
85	57.3	44.0	66.0
99	63.8	50.4	75.6

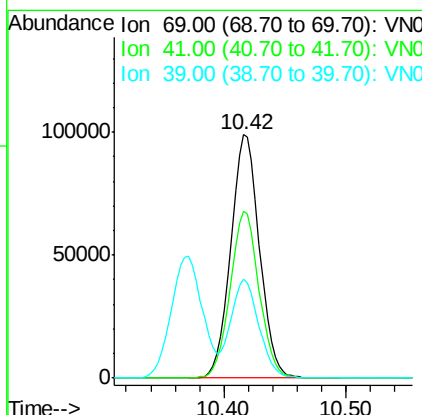
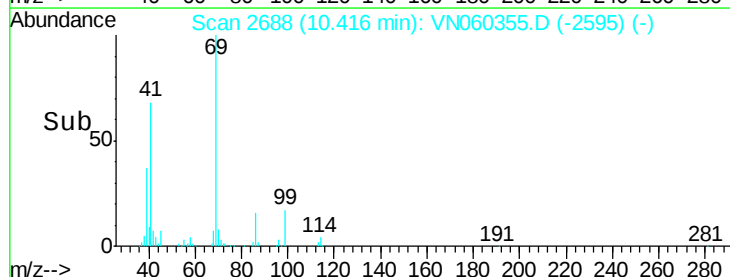
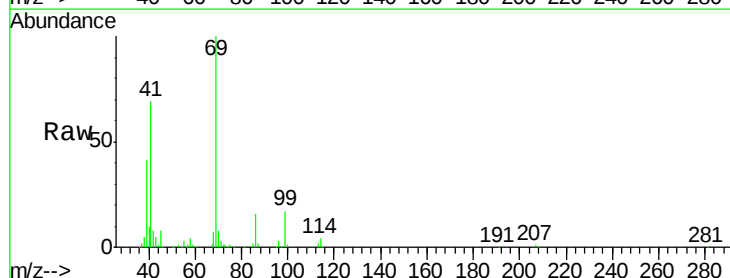
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#56
 Ethyl methacrylate
 Concen: 49.725 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion:	69	Resp:	162292
Ion	Ratio	Lower	Upper
69	100		
41	68.2	54.1	81.1
39	40.8	32.5	48.7





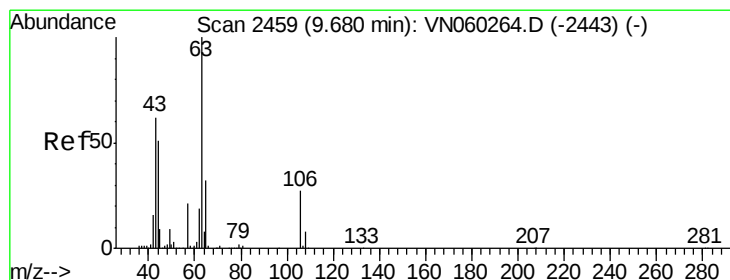
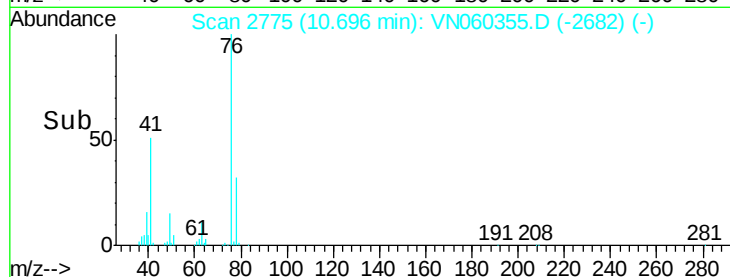
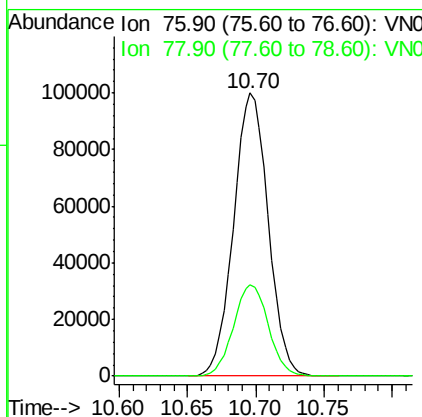
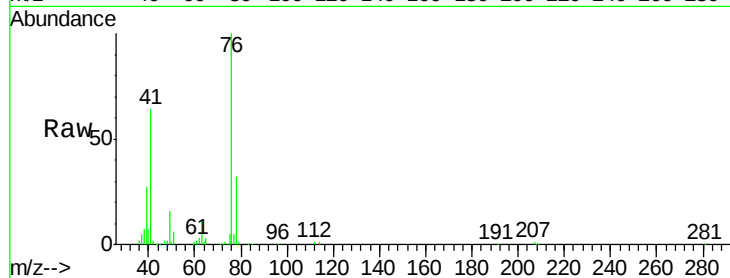
#57
 1,3-Dichloropropane
 Concen: 47.504 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.2

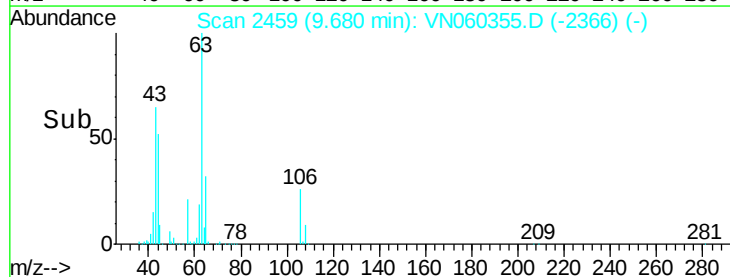
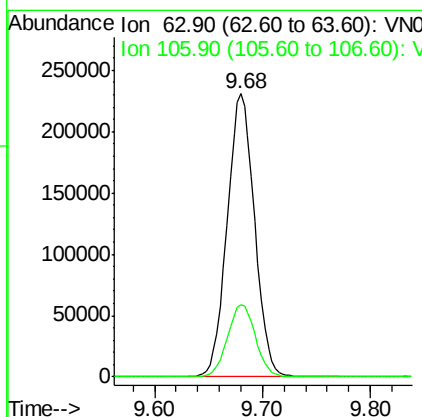
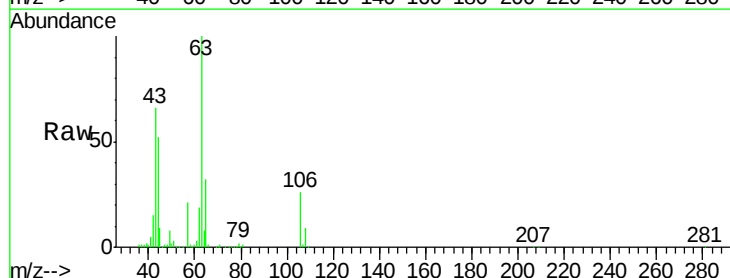
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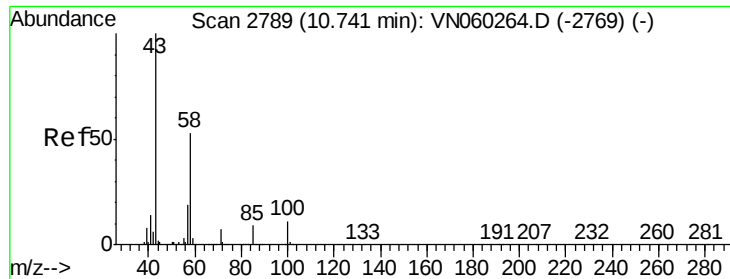
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#58
 2-Chloroethyl Vinyl ether
 Concen: 239.249 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.1	21.1	31.7





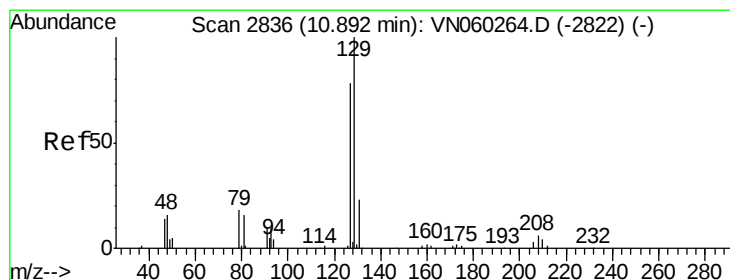
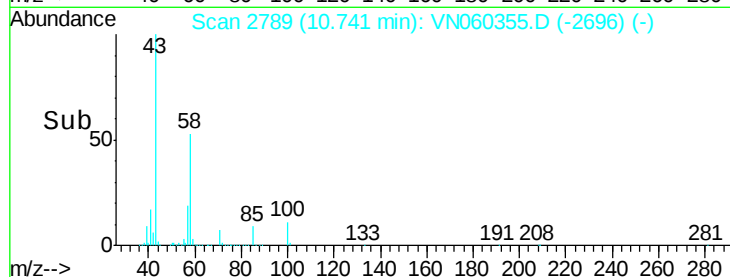
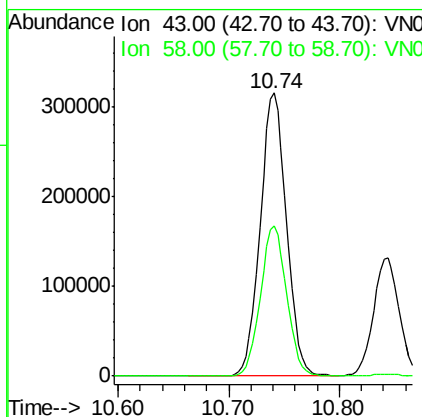
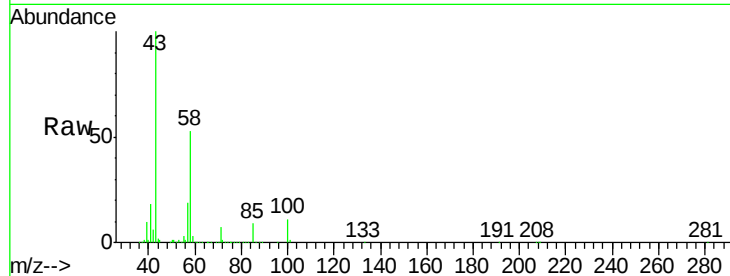
#59
2-Hexanone
Concen: 244.480 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 521292
Ion Ratio Lower Upper
43 100
58 53.0 26.5 79.5

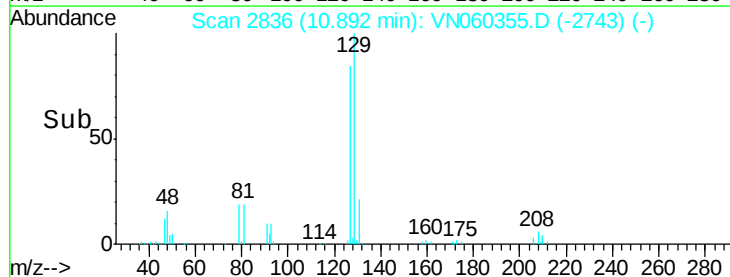
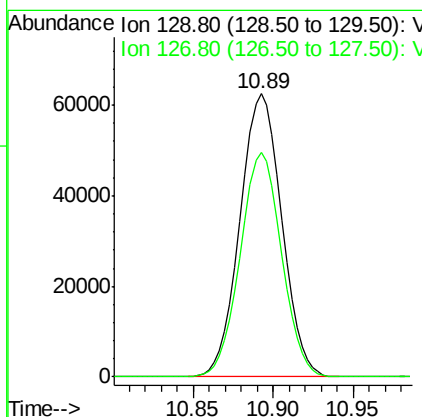
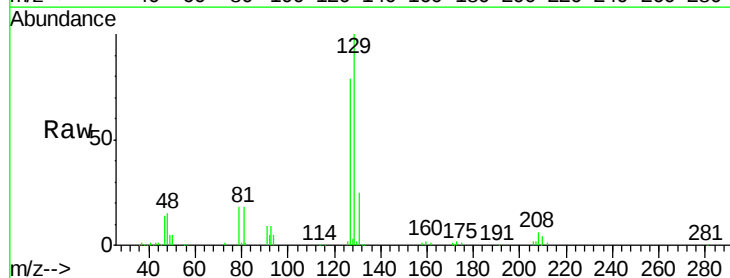
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#60
Dibromochloromethane
Concen: 48.262 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion: 129 Resp: 111503
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





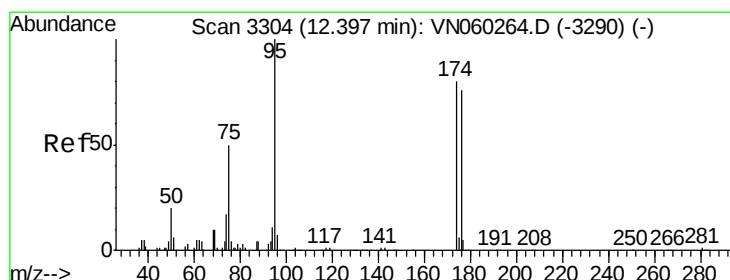
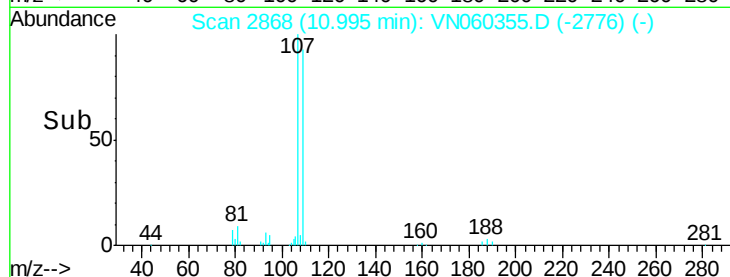
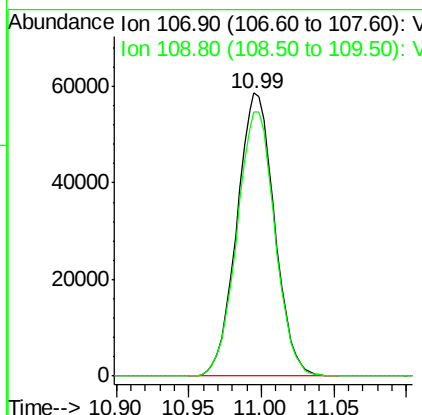
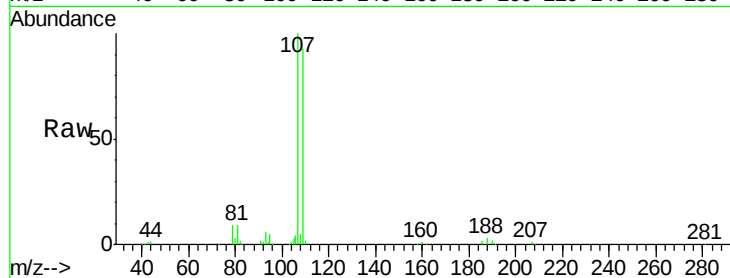
#61
 1,2-Dibromoethane
 Concen: 47.537 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	105276		
109	94.6	76.8	115.2	

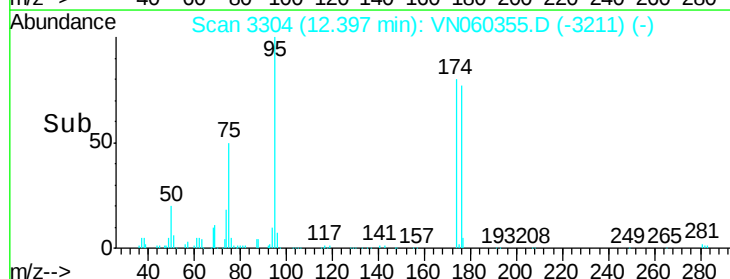
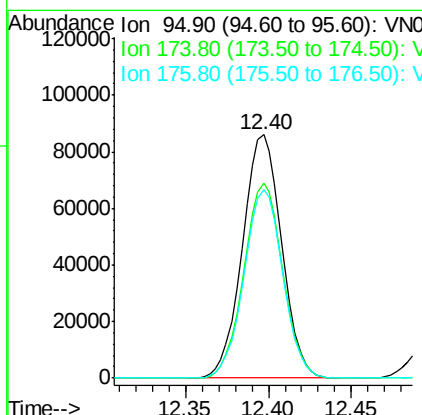
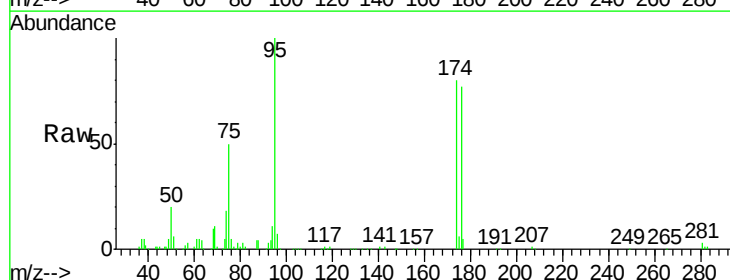
Manual Integrations
 APPROVED

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 3/5/2020 1:09:38 PM



#62
 4-Bromofluorobenzene
 Concen: 48.946 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	141315		
174	79.8	0.0	159.2	
176	77.1	0.0	153.8	





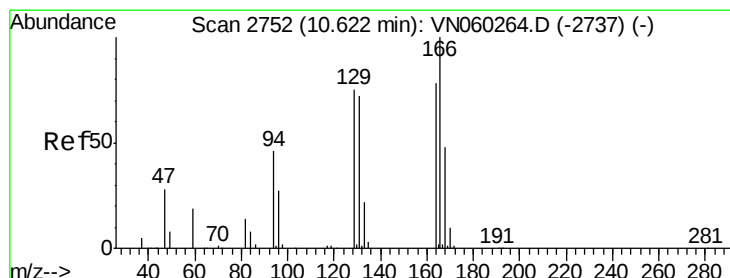
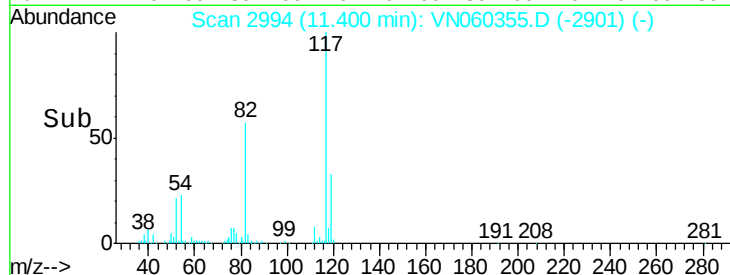
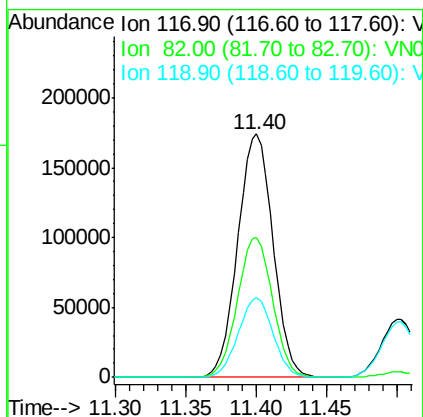
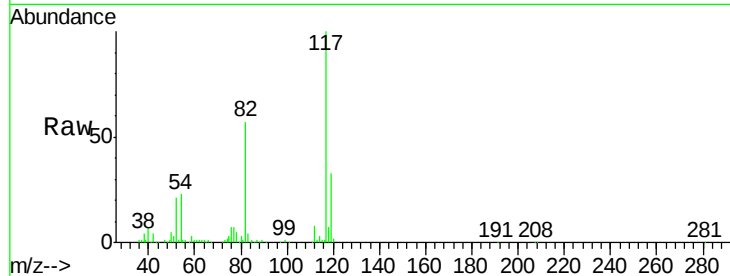
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.8	68.6
119	32.5	25.8	38.8

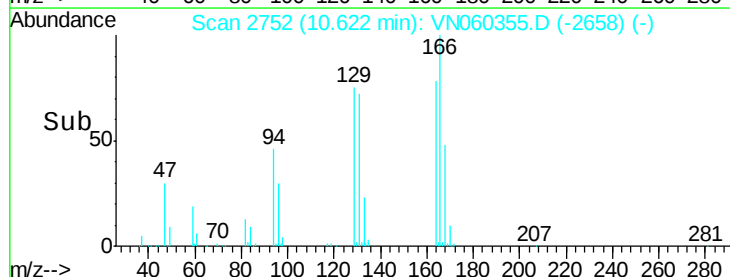
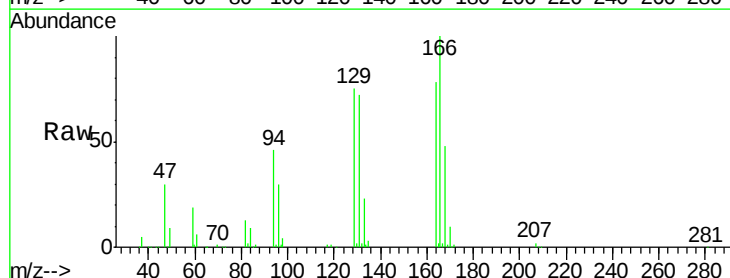
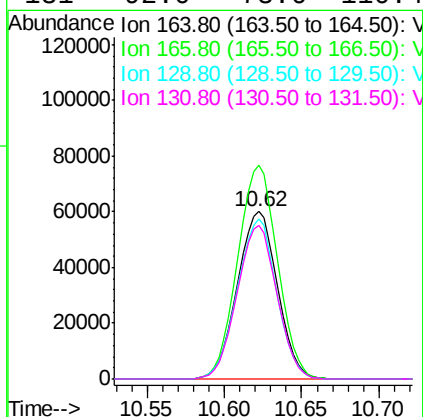
Manual Integrations
APPROVED

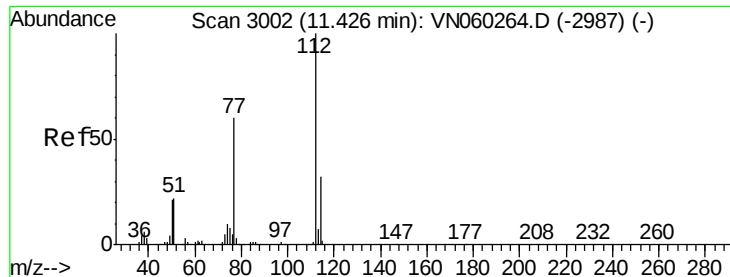
MMDadoda
3/5/2020 1:09:38 PM



#64
Tetrachloroethene
Concen: 44.868 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	102.0	153.0
129	95.2	76.4	114.6
131	92.0	73.6	110.4





#65

Chlorobenzene

Concen: 44.098 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 271751

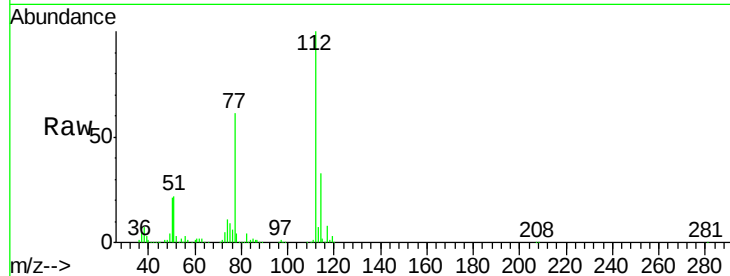
Ion Ratio Lower Upper

112 100

114 32.6 25.4 38.0

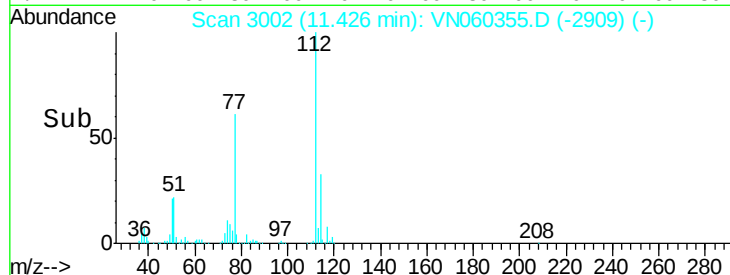
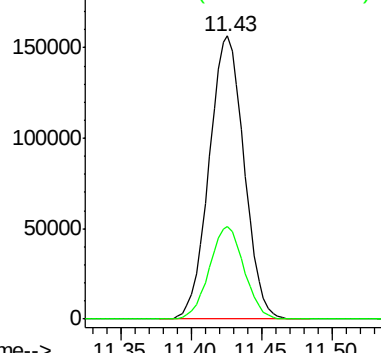
Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:09:38 PM

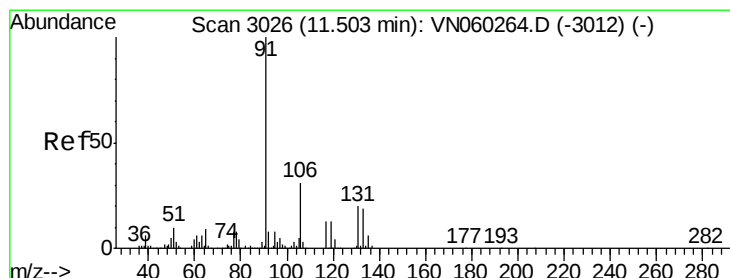


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 45.923 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

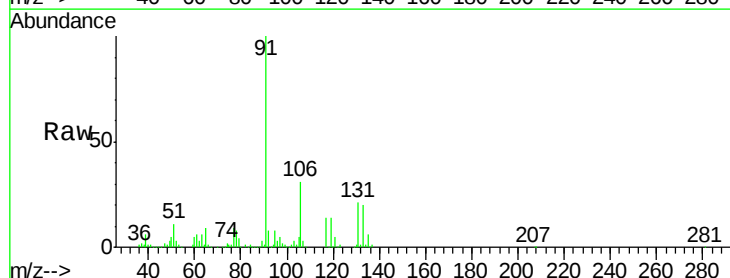
Tgt Ion:131 Resp: 104636

Ion Ratio Lower Upper

131 100

133 95.6 47.7 143.1

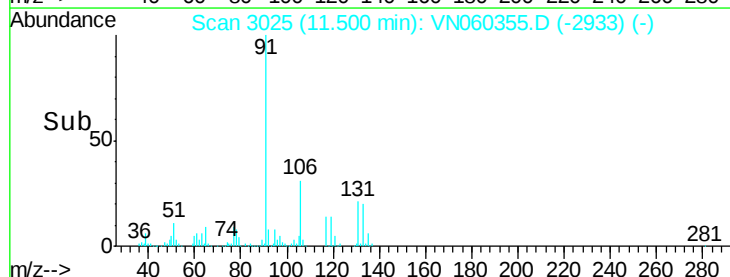
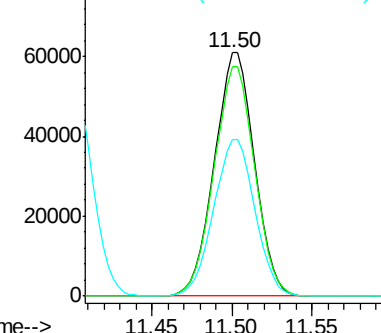
119 66.2 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->



#67

Ethyl Benzene

Concen: 45.414 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 509646

Ion Ratio Lower Upper

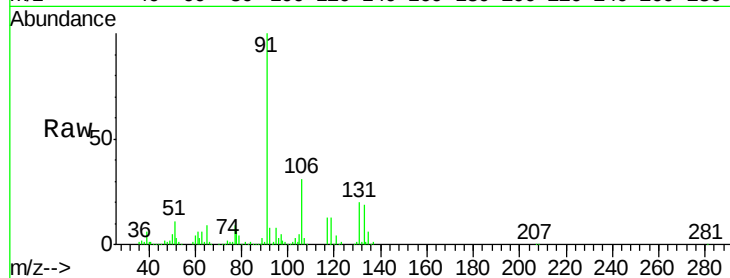
91 100

106 30.9 24.7 37.1

Manual Integrations
APPROVED

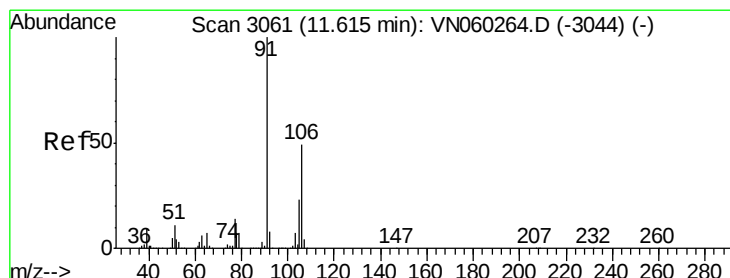
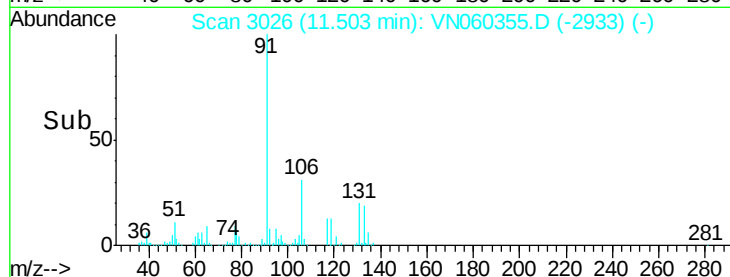
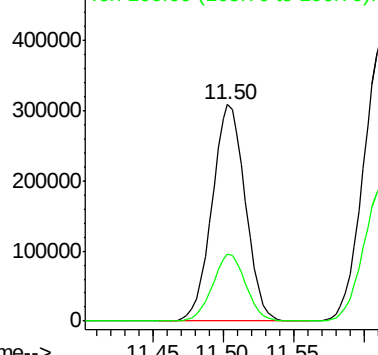
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 89.128 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060355.D

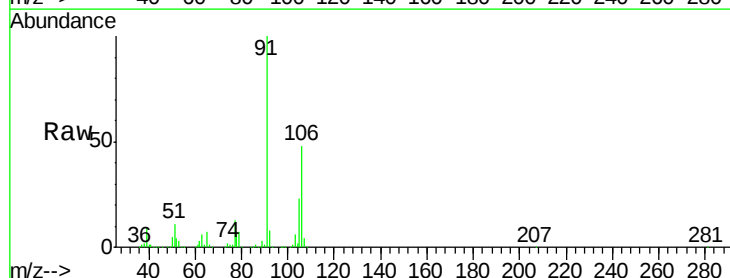
Acq: 4 Mar 2020 17:43

Tgt Ion: 106 Resp: 377370

Ion Ratio Lower Upper

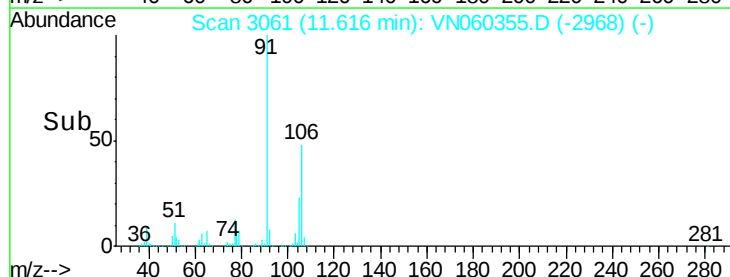
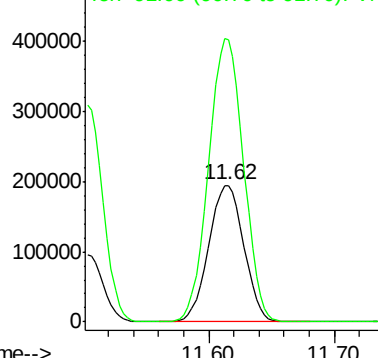
106 100

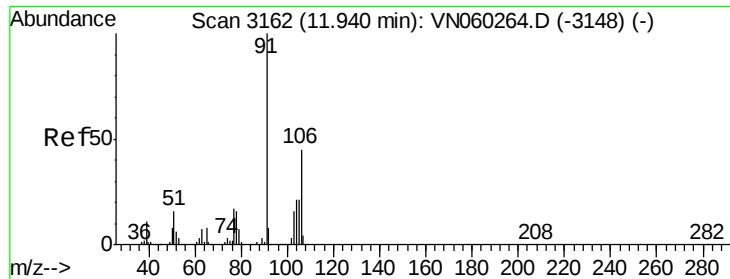
91 206.6 164.5 246.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





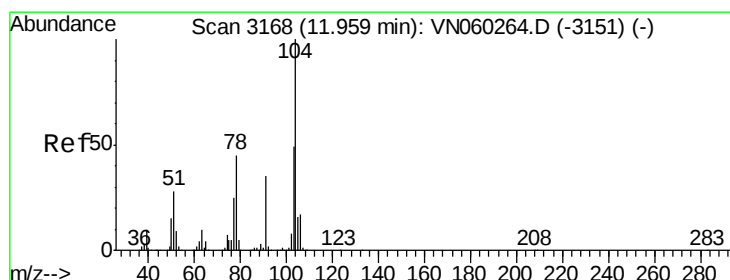
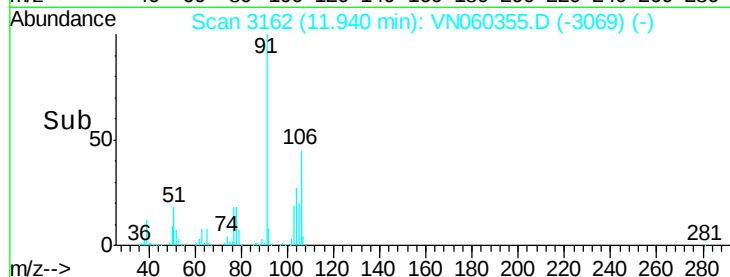
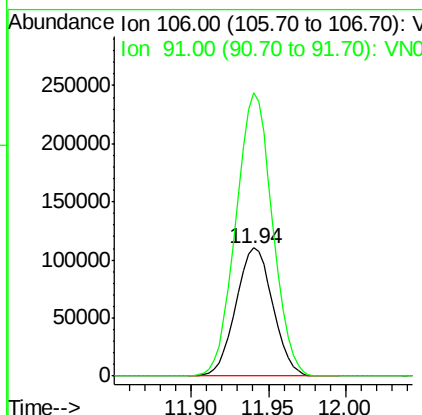
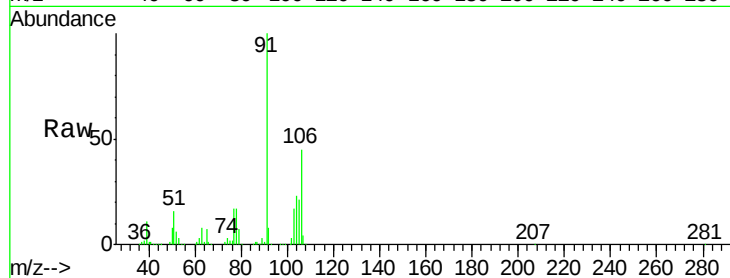
#69
o-Xylene
Concen: 45.475 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.6	109.5	328.4	

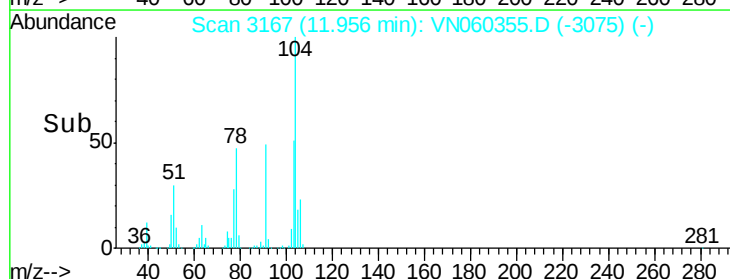
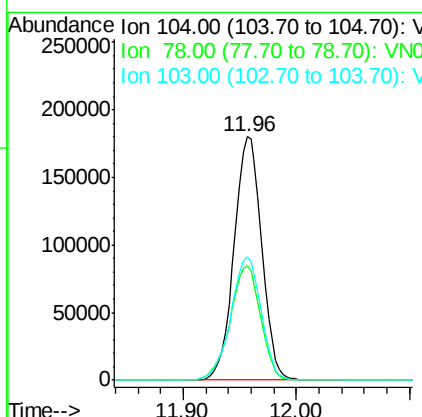
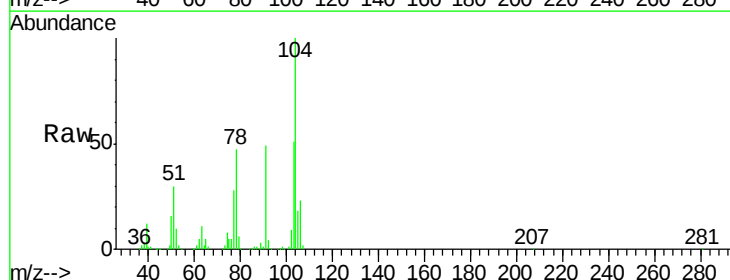
Manual Integrations
APPROVED

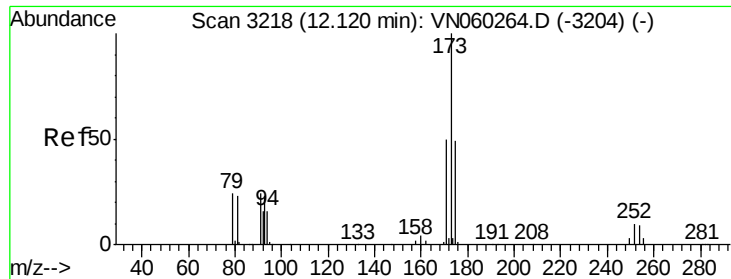
MMDadoda
3/5/2020 1:09:38 PM



#70
Styrene
Concen: 46.115 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.6	41.2	61.8	
103	55.4	43.9	65.9	





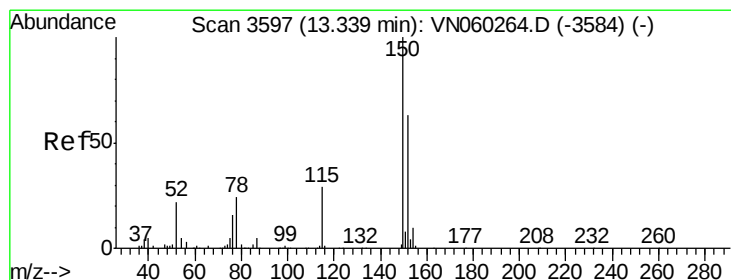
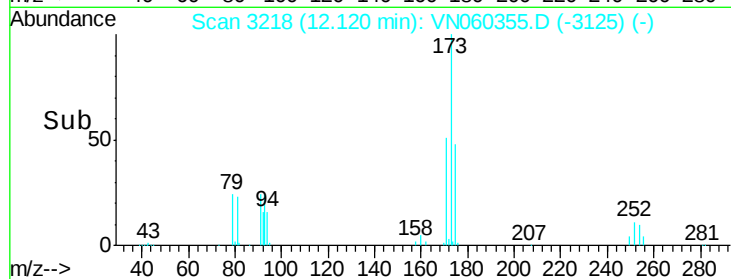
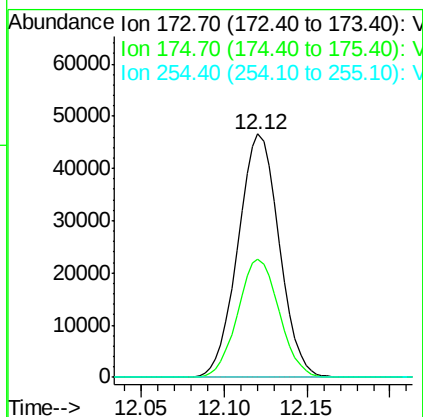
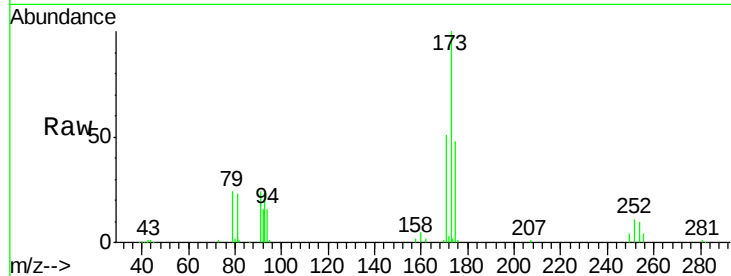
#71
Bromoform
Concen: 49.101 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.2
254	0.0	0.0	0.0

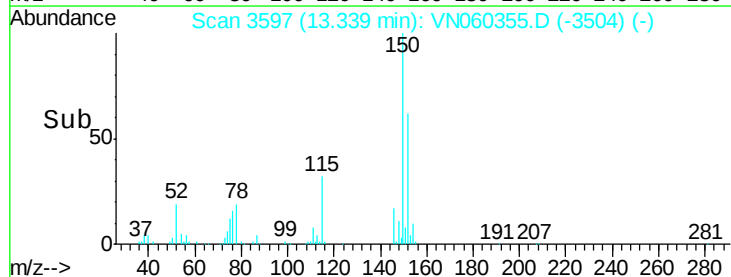
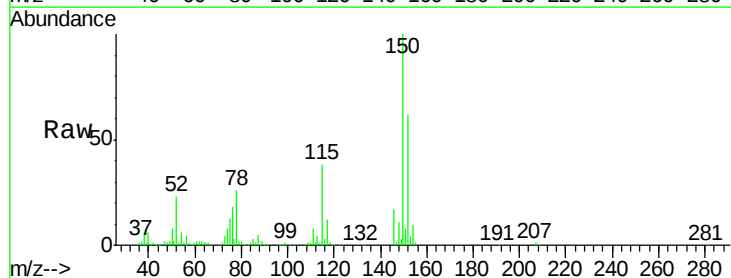
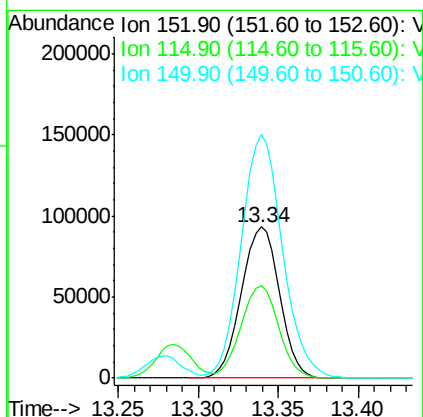
Manual Integrations
APPROVED

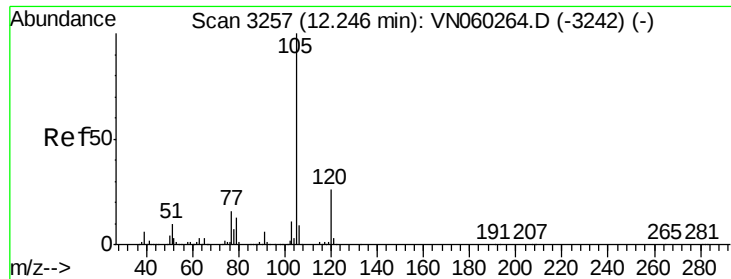
MMDadoda
3/5/2020 1:09:38 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.0	90.0
150	174.1	0.0	349.6





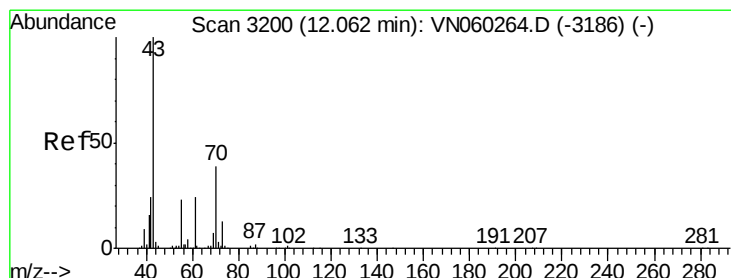
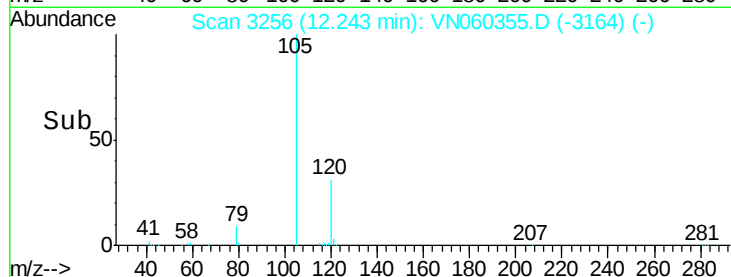
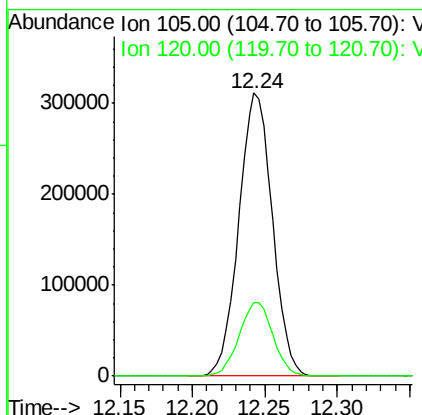
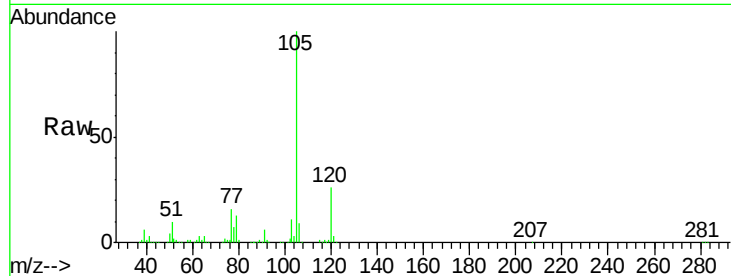
#73
Isopropylbenzene
Concen: 44.532 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.0	38.9

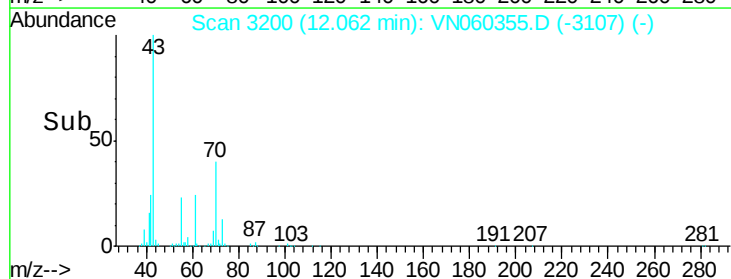
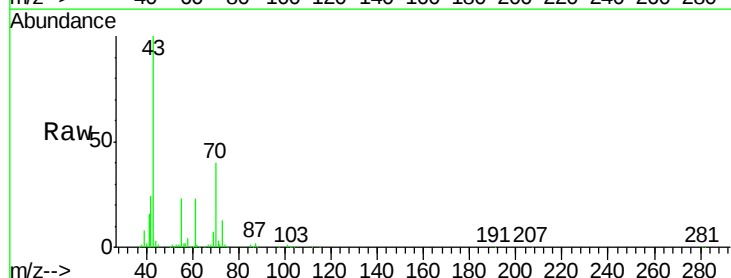
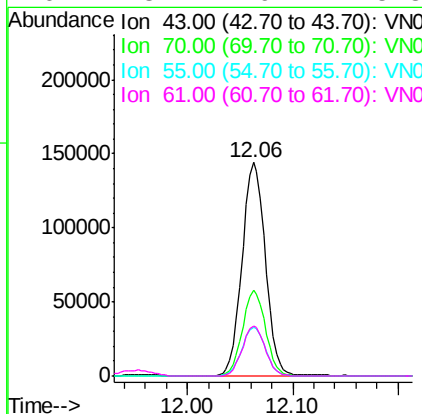
Manual Integrations
APPROVED

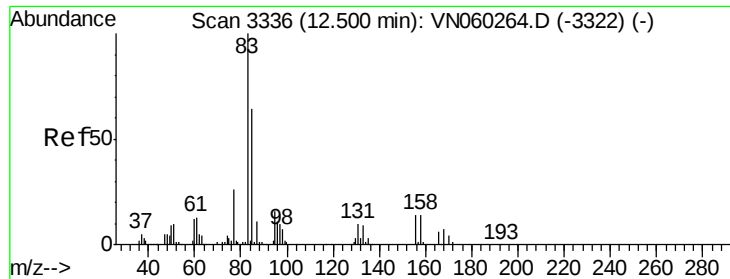
MMDadoda
3/5/2020 1:09:38 PM



#74
N-ethyl acetate
Concen: 44.949 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
43	100		
70	39.8	32.2	48.2
55	23.1	18.2	27.4
61	23.2	19.2	28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 49.000 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

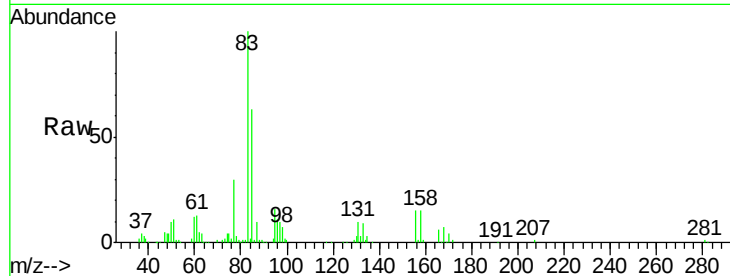
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	149742
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.3
85	63.8	32.3	96.8

Manual Integrations
APPROVED

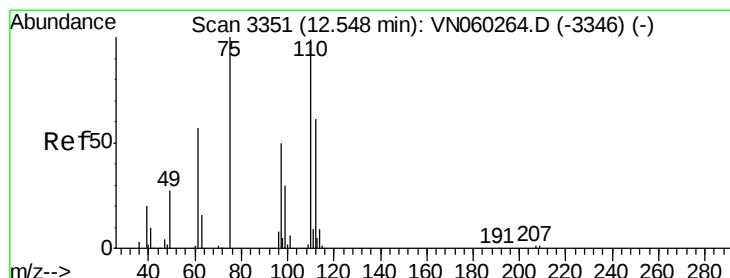
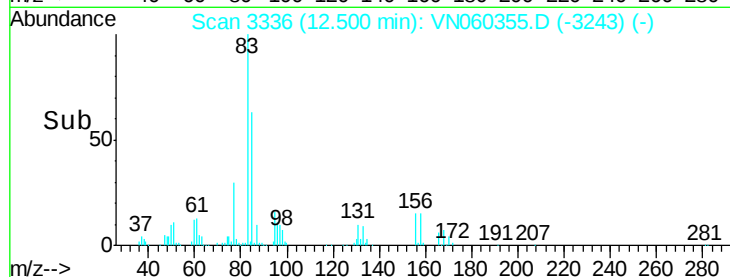
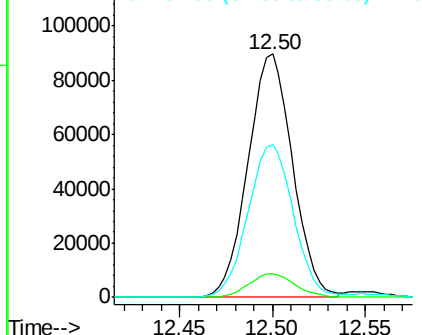
MMDadoda
3/5/2020 1:09:38 PM



Abundance Ion 82.90 (82.60 to 83.60): VN060355.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060355.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060355.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 36.488 ug/l m

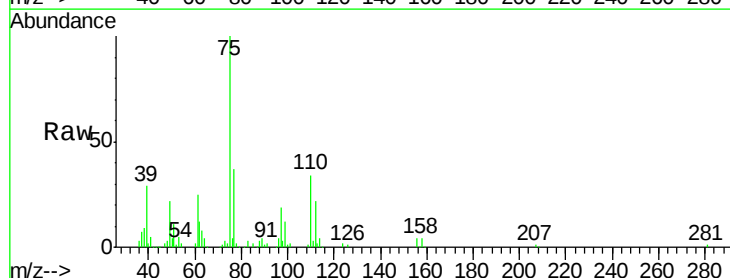
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060355.D

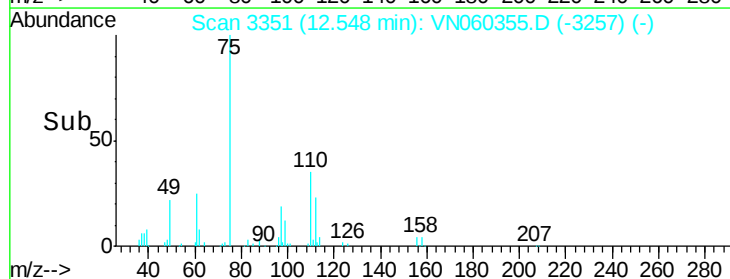
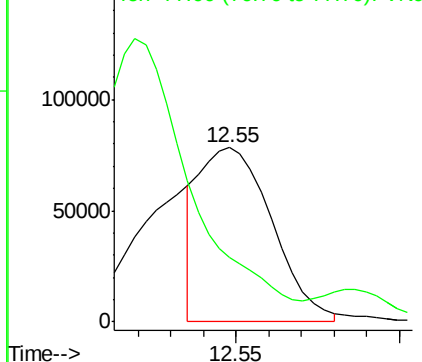
Acq: 4 Mar 2020 17:43

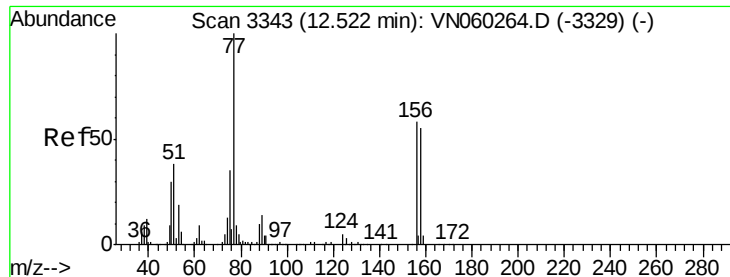
Tgt Ion:	75	Resp:	121427
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060355.D (-3257) (-)

Ion 77.00 (76.70 to 77.70): VN060355.D (-3257) (-)





#77

Bromobenzene

Concen: 43.772 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

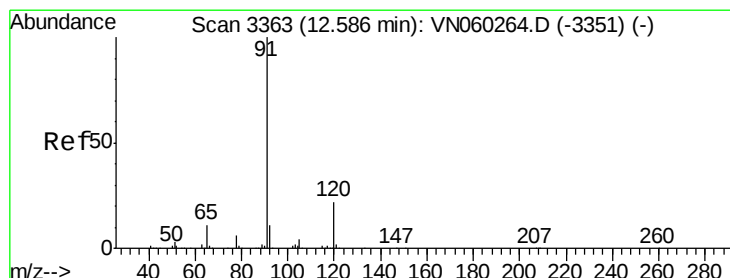
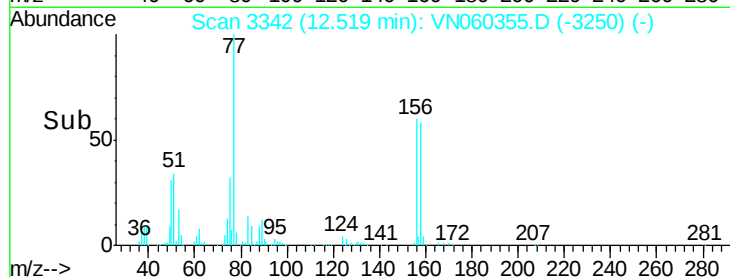
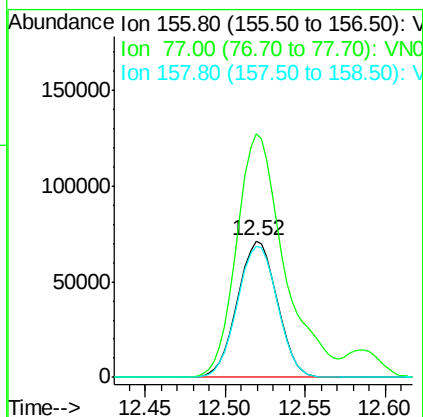
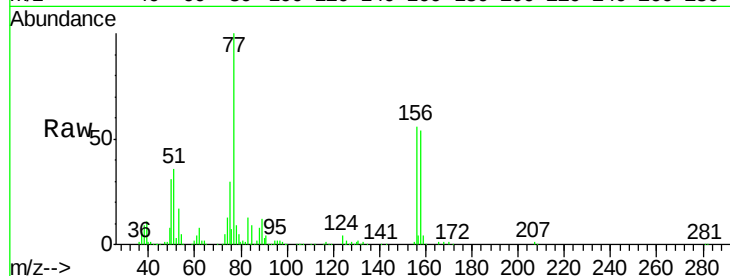
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	120626
Ion Ratio	Lower	Upper	
156	100		
77	215.5	106.1	318.3
158	97.5	48.3	144.8

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#78

n-propylbenzene

Concen: 44.589 ug/l

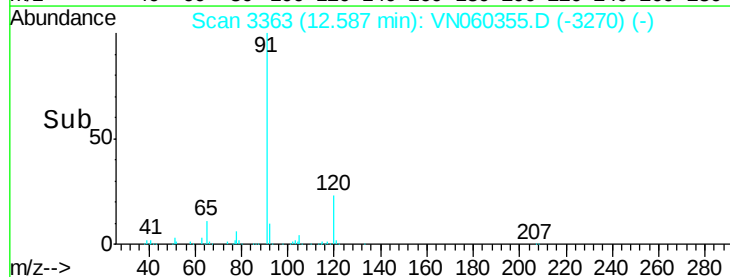
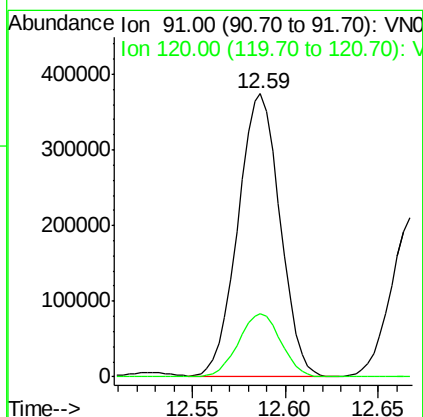
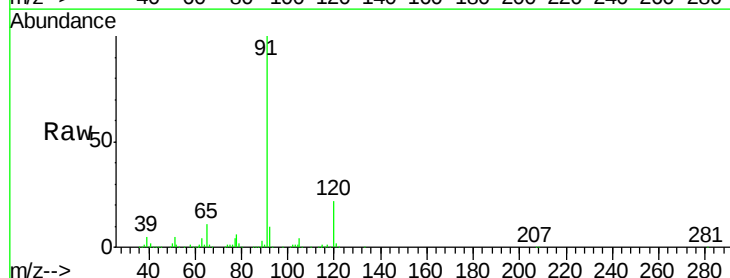
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Tgt Ion:	91	Resp:	587592
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.3	33.9





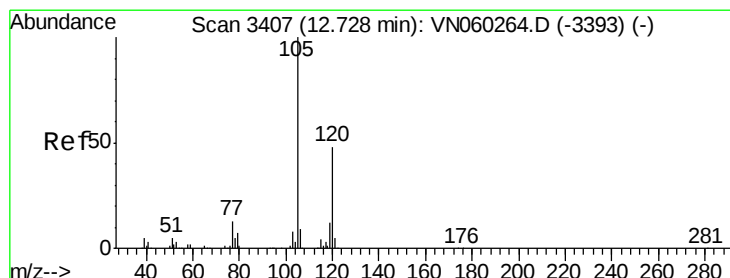
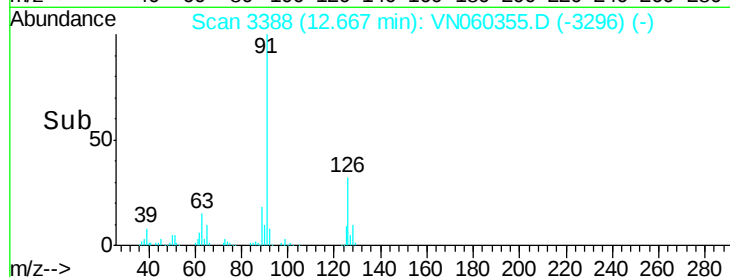
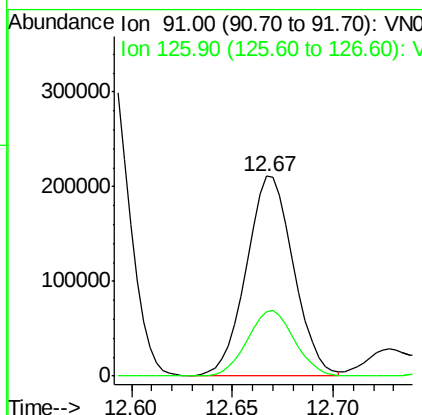
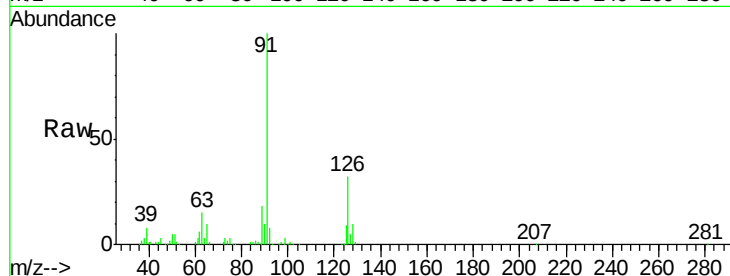
#79
 2-Chlorotoluene
 Concen: 44.459 ug/l
 RT: 12.67 min Scan# 3388
 Delta R.T. -0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 344391
 Ion Ratio Lower Upper
 91 100
 126 33.0 16.6 49.8

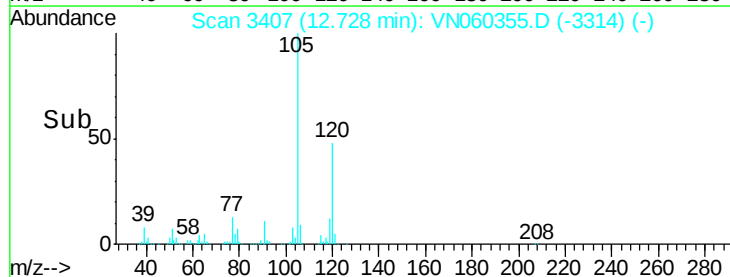
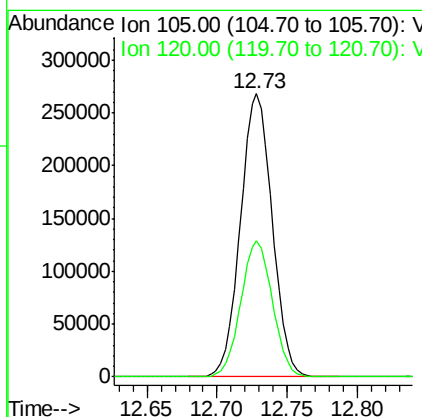
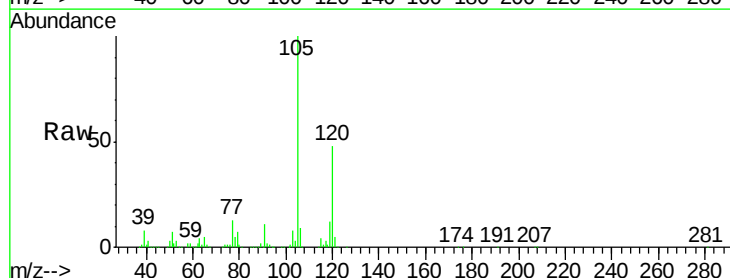
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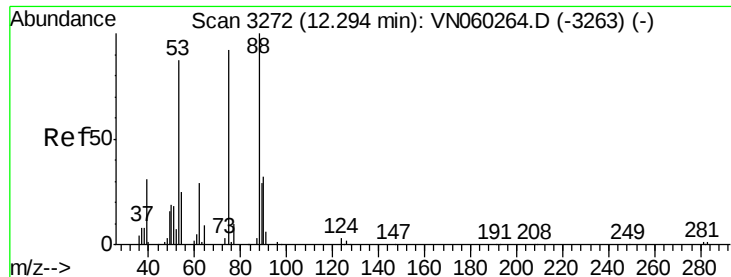
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#80
 1,3,5-Trimethylbenzene
 Concen: 44.708 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion: 105 Resp: 423180
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 46.385 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

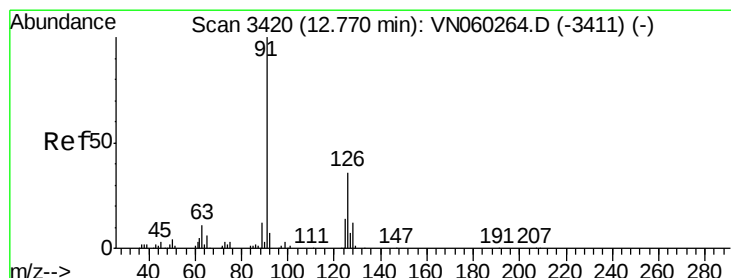
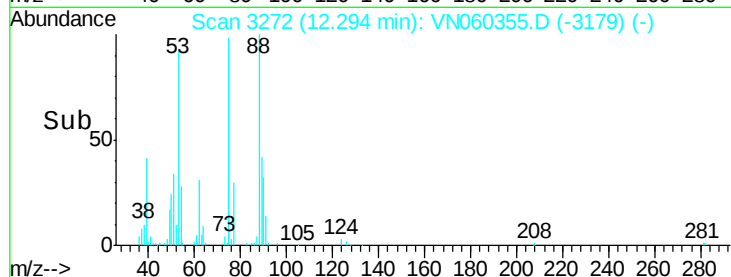
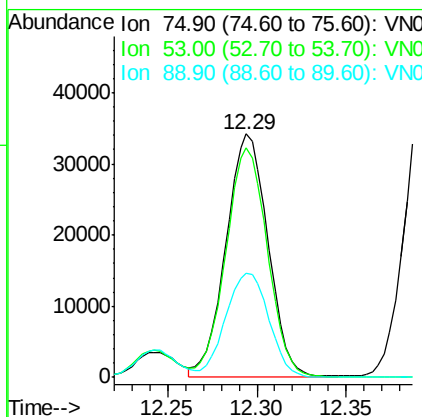
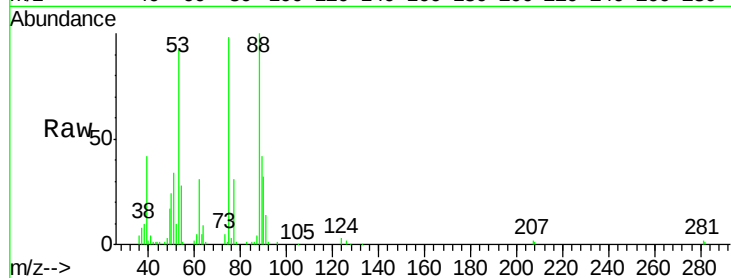
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	55919
Ion	Ratio	Lower	Upper
75	100		
53	93.5	73.8	110.6
89	44.2	57.1	85.7#

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#82

4-Chlorotoluene

Concen: 44.213 ug/l

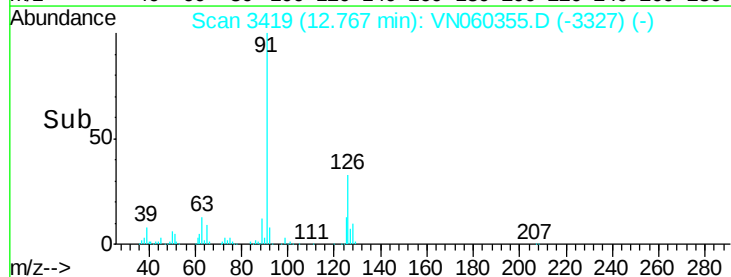
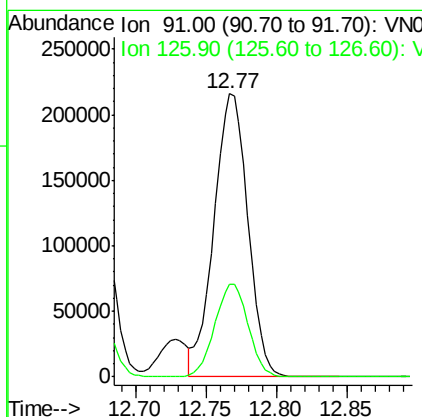
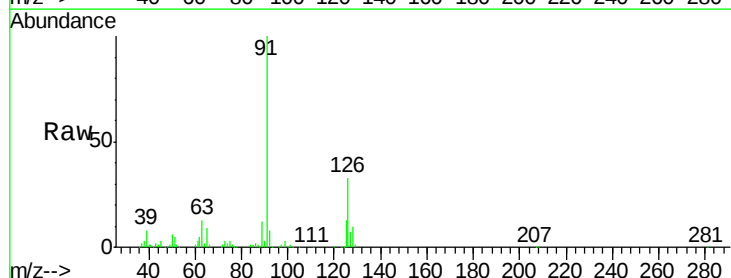
RT: 12.77 min Scan# 3419

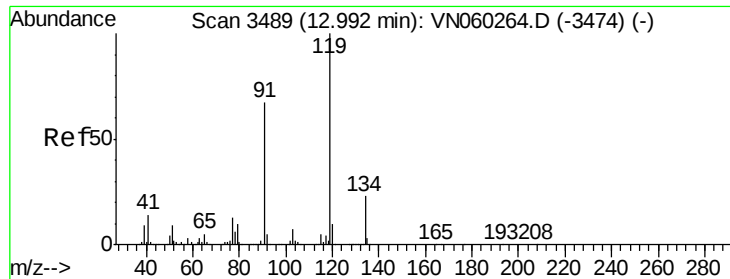
Delta R.T. -0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Tgt Ion:	91	Resp:	360840
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.7	50.1





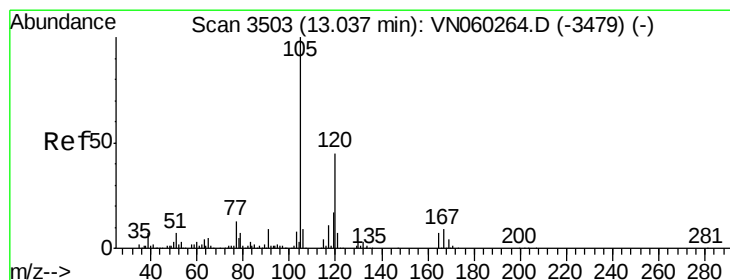
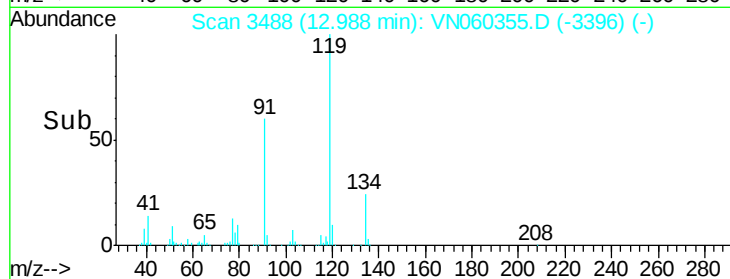
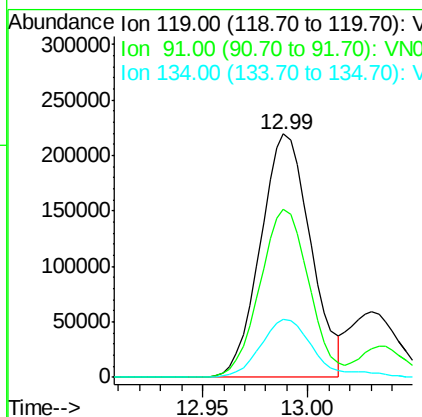
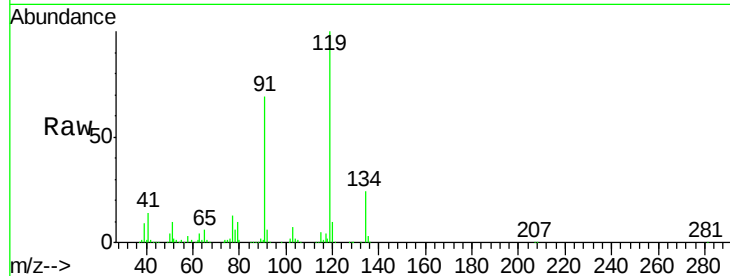
#83
 tert-Butylbenzene
 Concen: 44.472 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	33.1	99.2
134	25.2	12.4	37.0

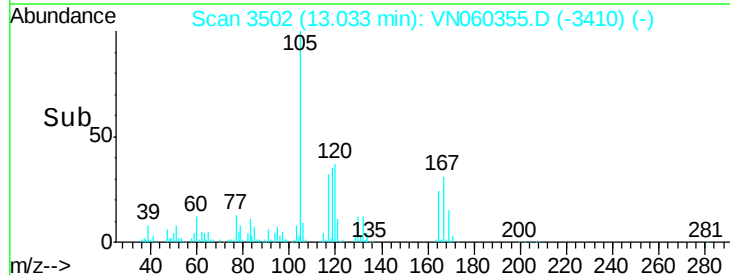
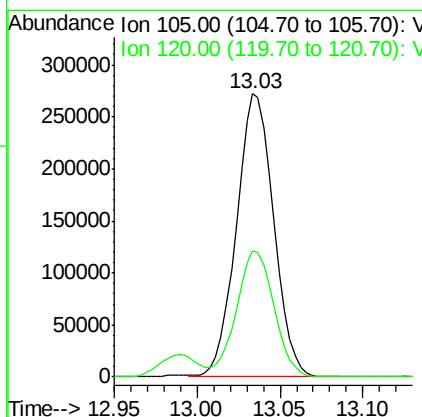
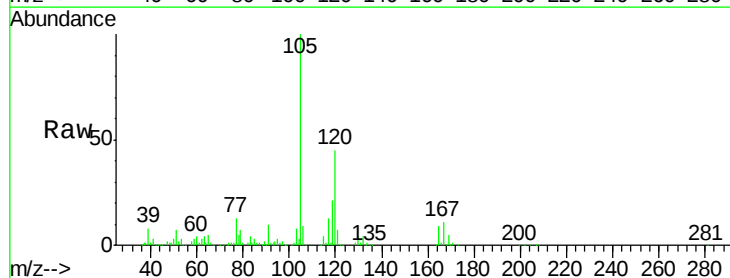
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#84
 1,2,4-Trimethylbenzene
 Concen: 44.312 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9





#85

sec-Butylbenzene

Concen: 45.060 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Instrument :

MSVOA_N

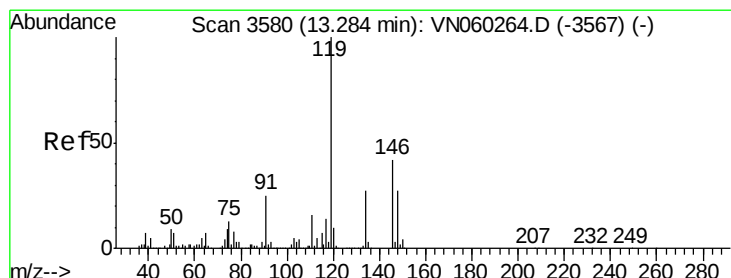
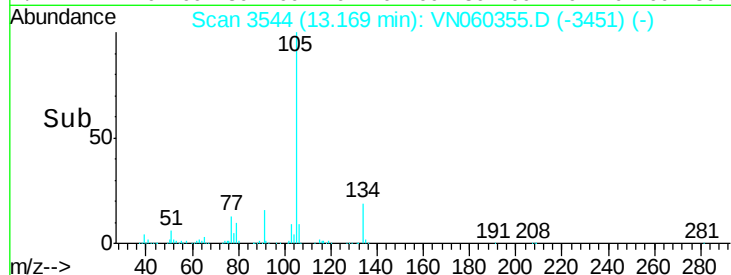
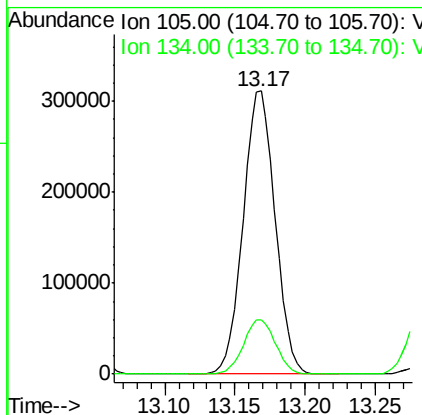
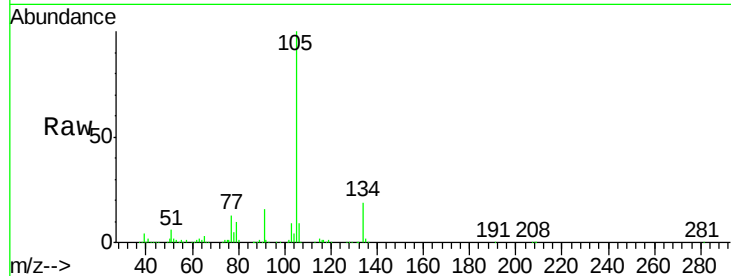
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.8	29.5

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#86

p-Isopropyltoluene

Concen: 43.993 ug/l

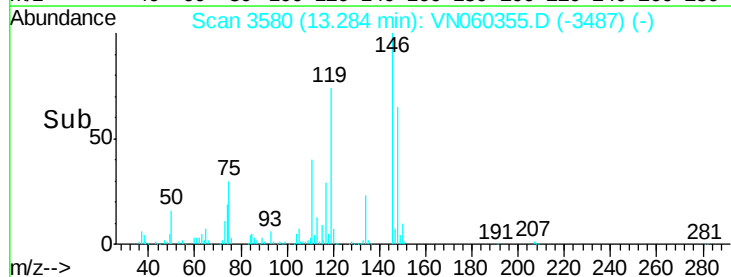
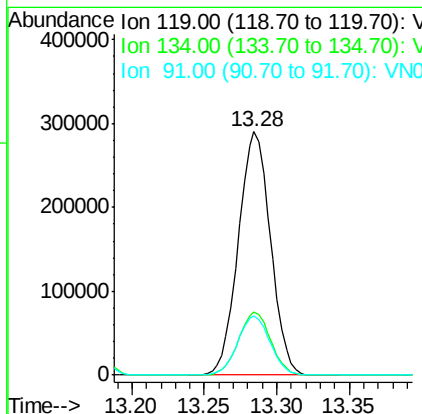
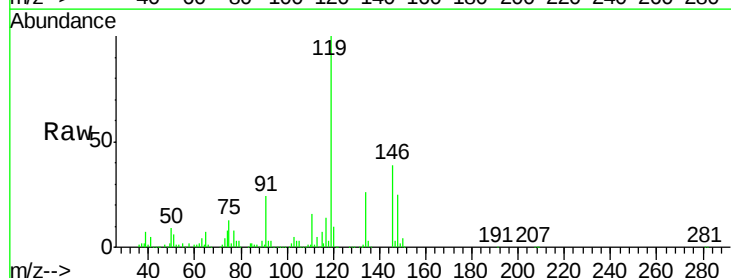
RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.2	39.6
91	24.4	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 46.181 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060355.D

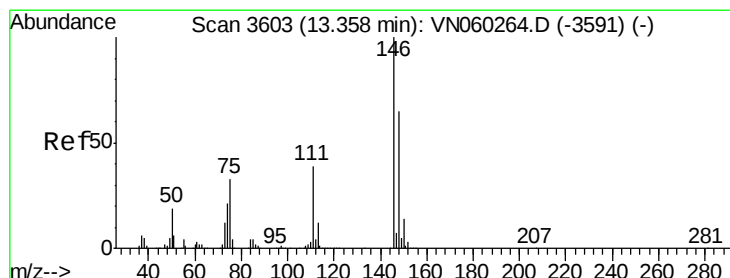
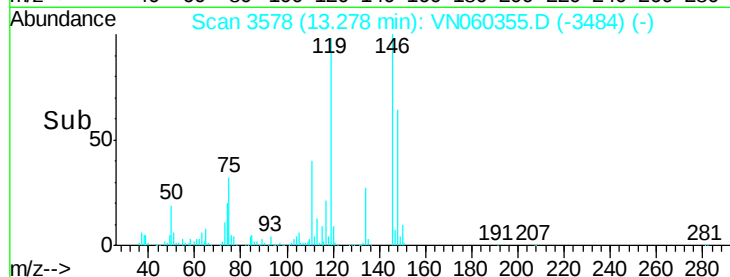
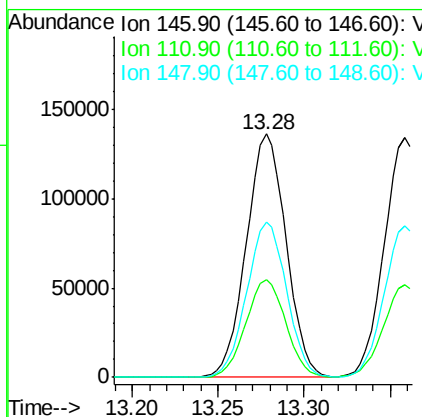
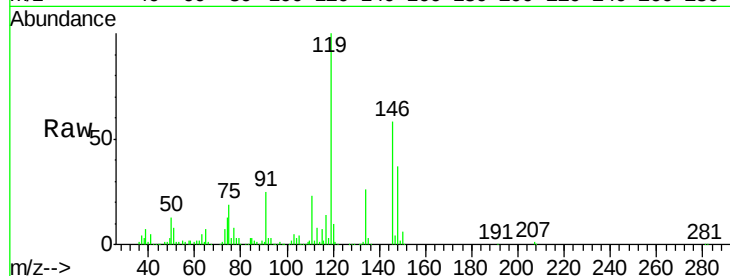
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	63.8	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 46.607 ug/l

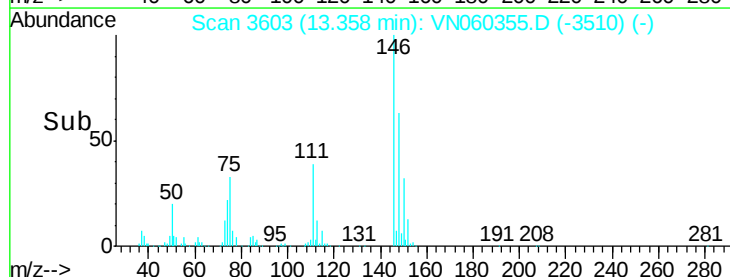
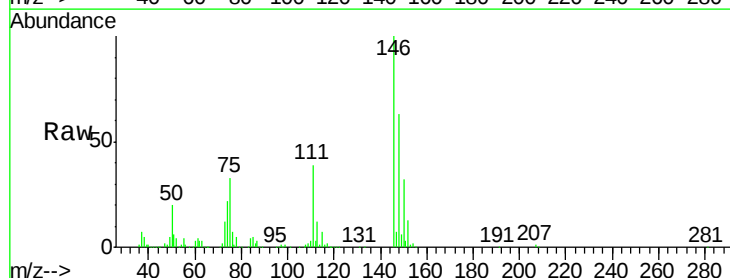
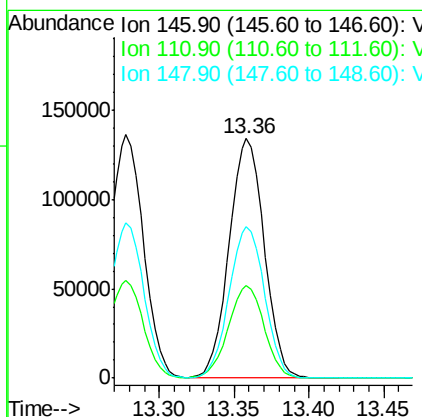
RT: 13.36 min Scan# 3603

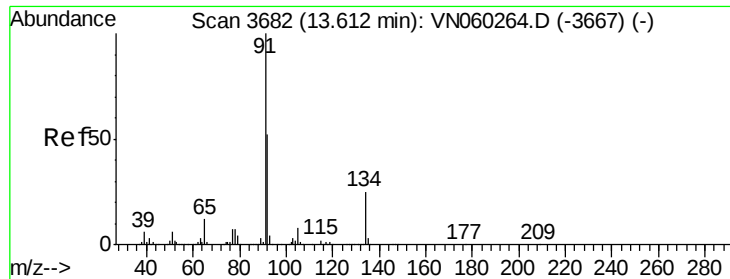
Delta R.T. 0.00 min

Lab File: VN060355.D

Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.4
148	63.8	32.3	96.9





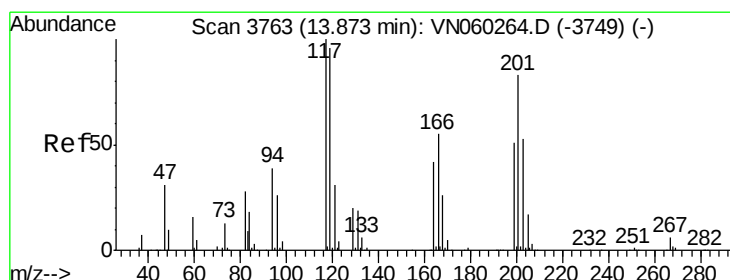
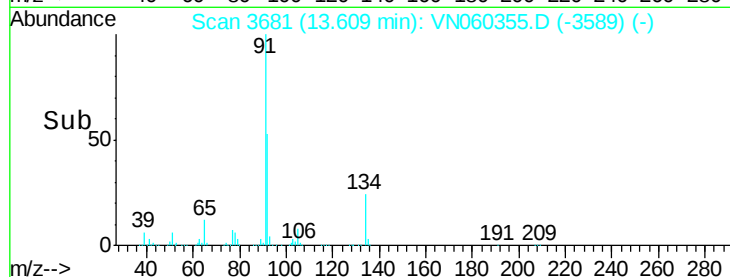
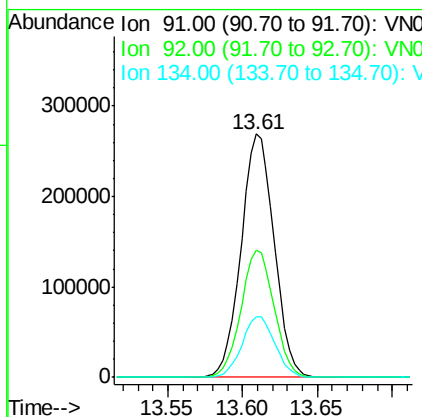
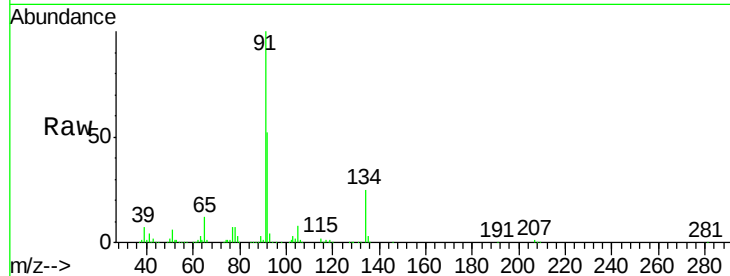
#89
n-Butylbenzene
Concen: 44.305 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	25.0	12.7	38.1

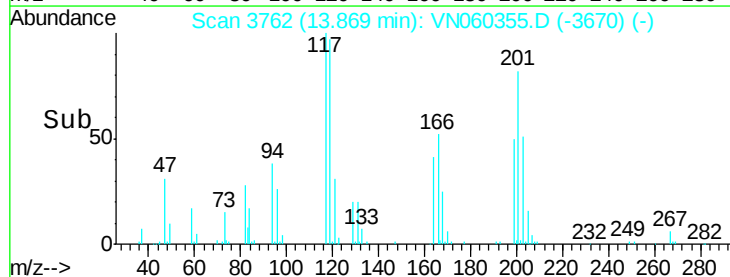
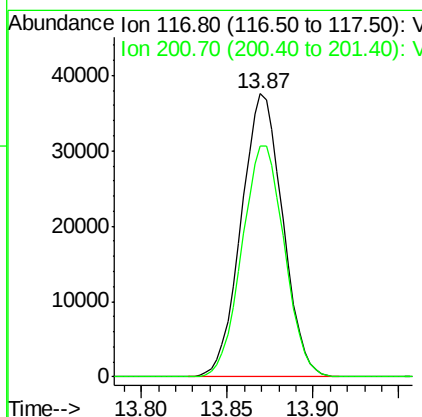
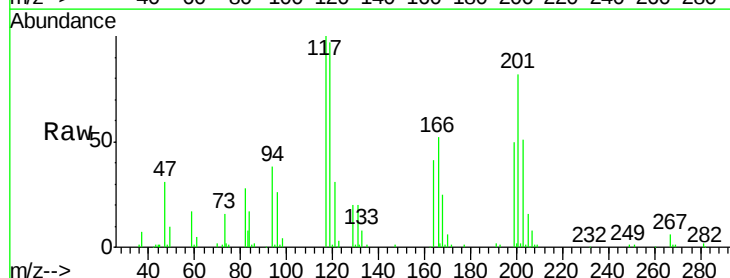
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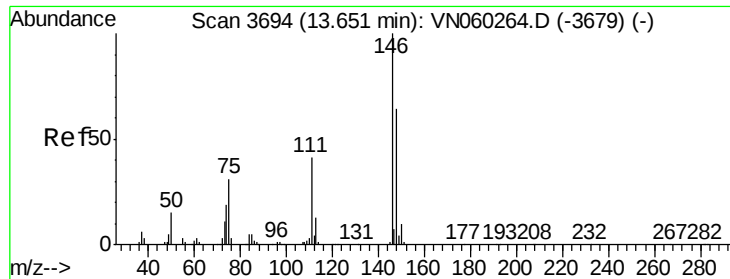
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#90
Hexachloroethane
Concen: 42.910 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	41.0	123.0





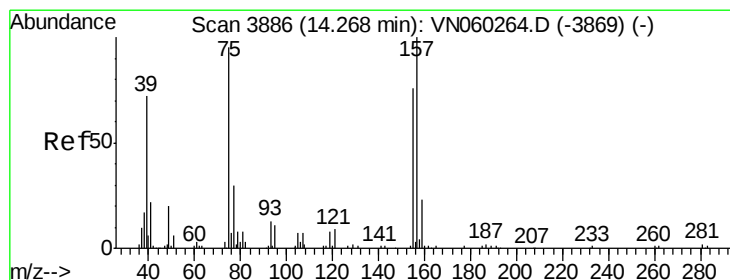
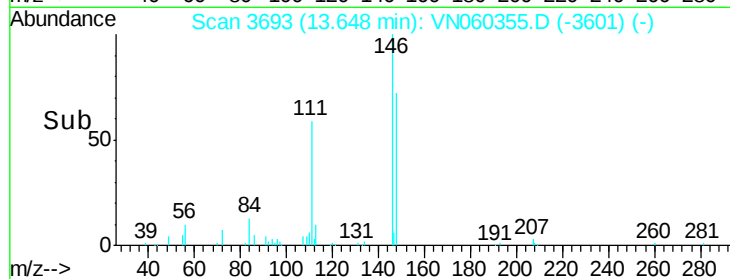
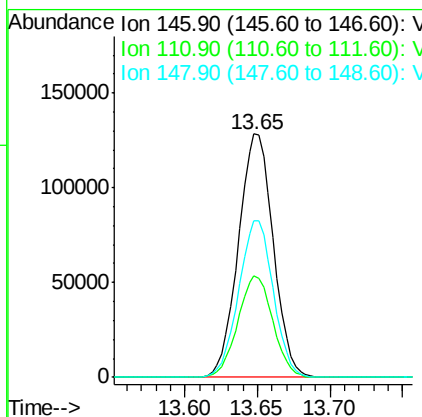
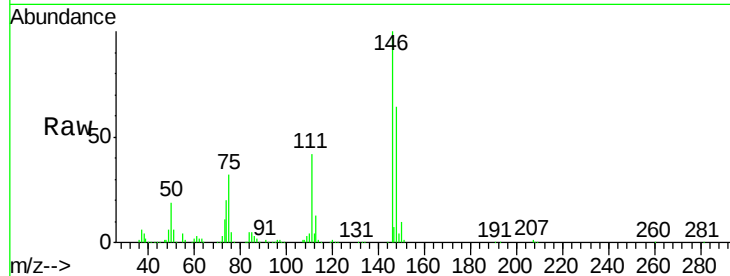
#91
 1,2-Dichlorobenzene
 Concen: 44.428 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.3	61.0
148	63.9	31.8	95.3

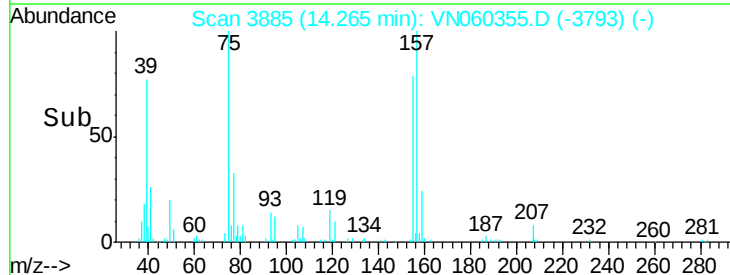
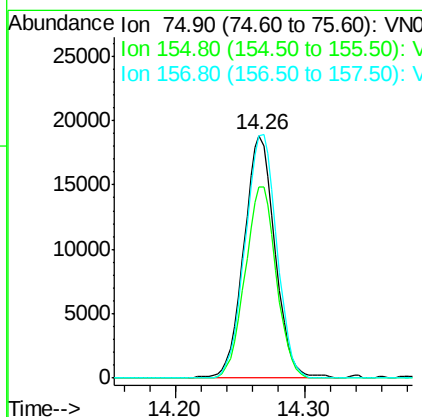
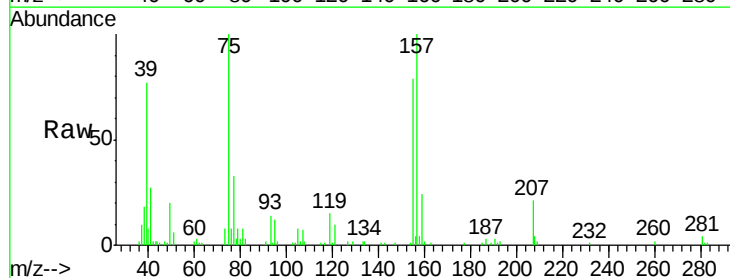
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.855 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.6	40.4	121.2
157	101.3	52.5	157.5





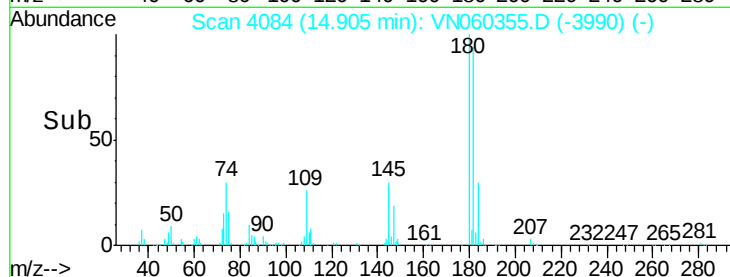
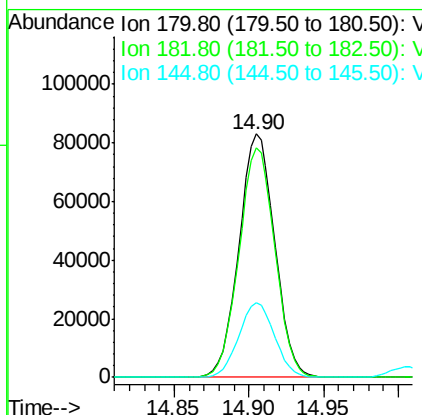
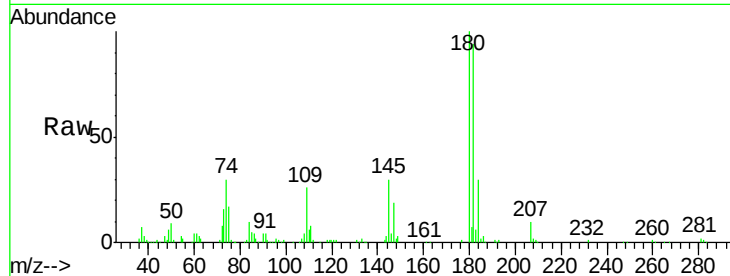
#93
 1,2,4-Trichlorobenzene
 Concen: 44.896 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	137726		
182	94.9	47.8	143.3	
145	30.7	15.4	46.1	

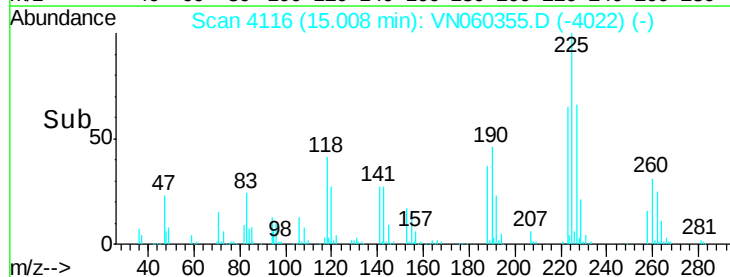
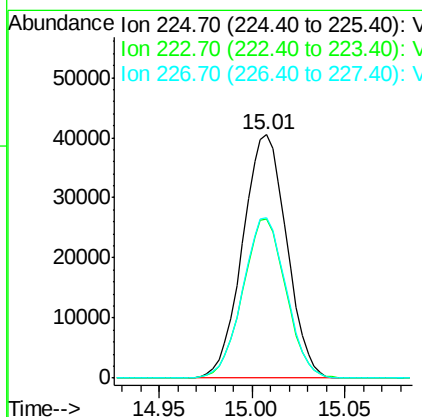
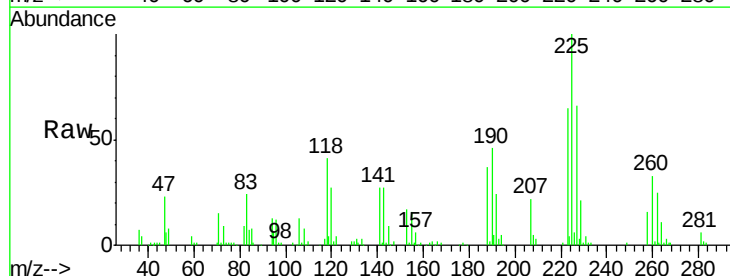
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 47.322 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060355.D
 Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	66788		
223	64.0	31.3	93.9	
227	65.0	32.3	96.9	





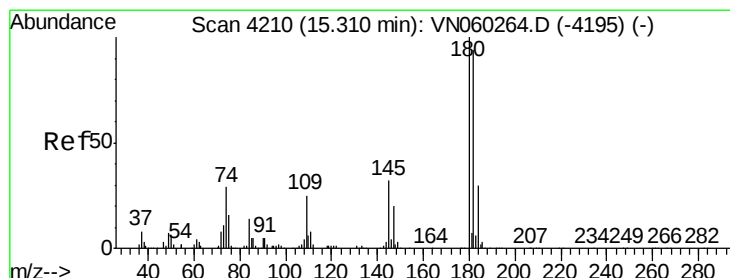
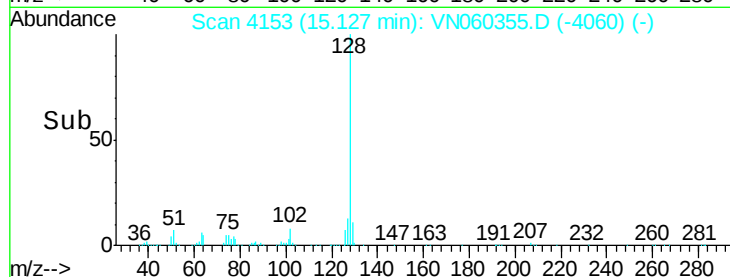
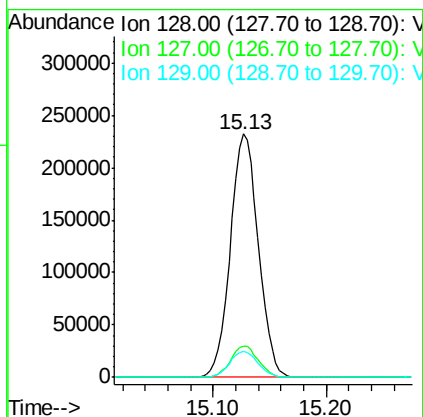
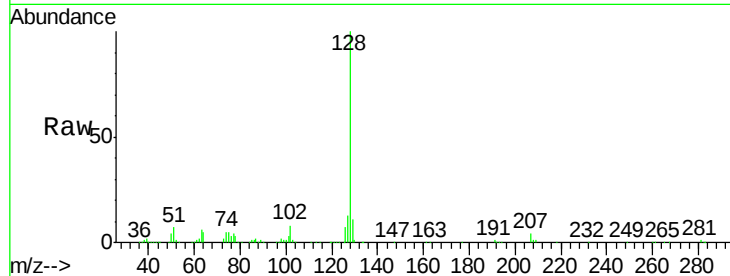
#95
Naphthalene
Concen: 44.175 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:09:38 PM



#96
1,2,3-Trichlorobenzene
Concen: 44.886 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060355.D
Acq: 4 Mar 2020 17:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	142.0
145	32.1	16.2	48.5

