

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061065.D
 Acq On : 17 Apr 2020 20:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:21:13 AM

Quant Time: Apr 20 04:30:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	154868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	264290	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	243798	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	114773	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	98889	49.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.82%	
35) Dibromofluoromethane	7.56	113	78731	51.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.02%	
50) Toluene-d8	10.08	98	283014	48.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.06%	
62) 4-Bromofluorobenzene	12.39	95	113035	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	105996	51.769	ug/l	100
3) Chloromethane	2.04	50	141372	51.469	ug/l	100
4) Vinyl Chloride	2.17	62	119888	52.523	ug/l	99
5) Bromomethane	2.54	94	56926	49.731	ug/l	96
6) Chloroethane	2.68	64	70587	53.608	ug/l	100
7) Trichlorofluoromethane	3.00	101	150066	52.808	ug/l	100
8) Diethyl Ether	3.38	74	59121	52.345	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83459	50.058	ug/l	99
10) Methyl Iodide	3.93	142	85659	58.238	ug/l	99
11) Tert butyl alcohol	4.72	59	94811	269.687	ug/l	99
12) 1,1-Dichloroethene	3.72	96	87844	51.833	ug/l	99
13) Acrolein	3.57	56	70244	236.642	ug/l	99
14) Allyl chloride	4.29	41	157161	49.012	ug/l	100
15) Acrylonitrile	4.94	53	266024	279.083	ug/l	98
16) Acetone	3.78	43	216882	248.680	ug/l	99
17) Carbon Disulfide	4.03	76	265289	50.025	ug/l	99
18) Methyl Acetate	4.28	43	153129	55.993	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	305122	51.634	ug/l	99
20) Methylene Chloride	4.52	84	97404	51.153	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	93702	51.694	ug/l	97
22) Diisopropyl ether	5.91	45	350510	52.631	ug/l	99
23) Vinyl Acetate	5.86	43	1394632	267.049	ug/l	100
24) 1,1-Dichloroethane	5.82	63	184976	51.426	ug/l	100
25) 2-Butanone	6.80	43	361366	270.398	ug/l	100
26) 2,2-Dichloropropane	6.79	77	134766	44.999	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	105802	50.841	ug/l	99
28) Bromochloromethane	7.17	49	84061	50.913	ug/l	99
29) Tetrahydrofuran	7.18	42	249131	274.590	ug/l	99
30) Chloroform	7.35	83	174176	51.916	ug/l	98
31) Cyclohexane	7.63	56	179732	48.695	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	150921	52.007	ug/l	99
36) 1,1-Dichloropropene	7.77	75	137212	50.312	ug/l	99
37) Ethyl Acetate	6.89	43	155458	52.496	ug/l	100
38) Carbon Tetrachloride	7.75	117	120200	52.950	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	163265	50.073	ug/l	99
40) Benzene	8.02	78	408467	50.485	ug/l	100
41) Methacrylonitrile	7.14	41	71467m	57.860	ug/l	
42) 1,2-Dichloroethane	8.10	62	141799	51.448	ug/l	100
43) Isopropyl Acetate	8.14	43	253576	52.650	ug/l	100
44) Trichloroethene	8.81	130	101384	49.870	ug/l	99
45) 1,2-Dichloropropane	9.10	63	111316	50.938	ug/l	98
46) Dibromomethane	9.19	93	66133	52.487	ug/l	99
47) Bromodichloromethane	9.38	83	139043	52.237	ug/l	100
48) Methyl methacrylate	9.18	41	114273	53.689	ug/l	99
49) 1,4-Dioxane	9.18	88	30029	1015.877	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	762074	274.482	ug/l	100
52) Toluene	10.14	92	244638	50.402	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	158800	51.361	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	169313	50.189	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	95106	51.777	ug/l	98
56) Ethyl methacrylate	10.42	69	158647	54.926	ug/l	99
57) 1,3-Dichloropropane	10.70	76	167772	51.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	360159	274.412	ug/l	99
59) 2-Hexanone	10.74	43	554827	277.096	ug/l	100
60) Dibromochloromethane	10.89	129	100225	53.117	ug/l	100
61) 1,2-Dibromoethane	10.99	107	98472	52.611	ug/l	98
64) Tetrachloroethene	10.62	164	93902	50.334	ug/l	99
65) Chlorobenzene	11.43	112	247851	49.246	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	91067	50.576	ug/l	99
67) Ethyl Benzene	11.50	91	473308	49.995	ug/l	99
68) m/p-Xylenes	11.61	106	345536	100.993	ug/l	100
69) o-Xylene	11.94	106	165862	50.420	ug/l	100
70) Styrene	11.96	104	278287	52.547	ug/l	100
71) Bromoform	12.12	173	71391	53.116	ug/l #	99
73) Isopropylbenzene	12.24	105	446716	48.582	ug/l	100
74) N-amyl acetate	12.06	43	218499	51.099	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	143904	51.269	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	124460m	49.300	ug/l	
77) Bromobenzene	12.52	156	104342	48.602	ug/l	99
78) n-propylbenzene	12.58	91	535684	49.794	ug/l	100
79) 2-Chlorotoluene	12.67	91	310110	49.149	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	377535	49.673	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	50016	48.868	ug/l	98
82) 4-Chlorotoluene	12.77	91	324755	49.627	ug/l	99
83) tert-Butylbenzene	12.99	119	316371	49.496	ug/l	100
84) 1,2,4-Trimethylbenzene	13.03	105	378555	50.388	ug/l	99
85) sec-Butylbenzene	13.17	105	429407	49.582	ug/l	100
86) p-Isopropyltoluene	13.28	119	379757	49.243	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	187365	48.971	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	186914	48.560	ug/l	100
89) n-Butylbenzene	13.61	91	357477	49.847	ug/l	100
90) Hexachloroethane	13.87	117	58623	49.546	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	181474	49.696	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29660	54.600	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	112080	51.856	ug/l	100
94) Hexachlorobutadiene	15.00	225	51665	46.467	ug/l	98
95) Naphthalene	15.13	128	340179	53.968	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	108435	52.060	ug/l	100

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

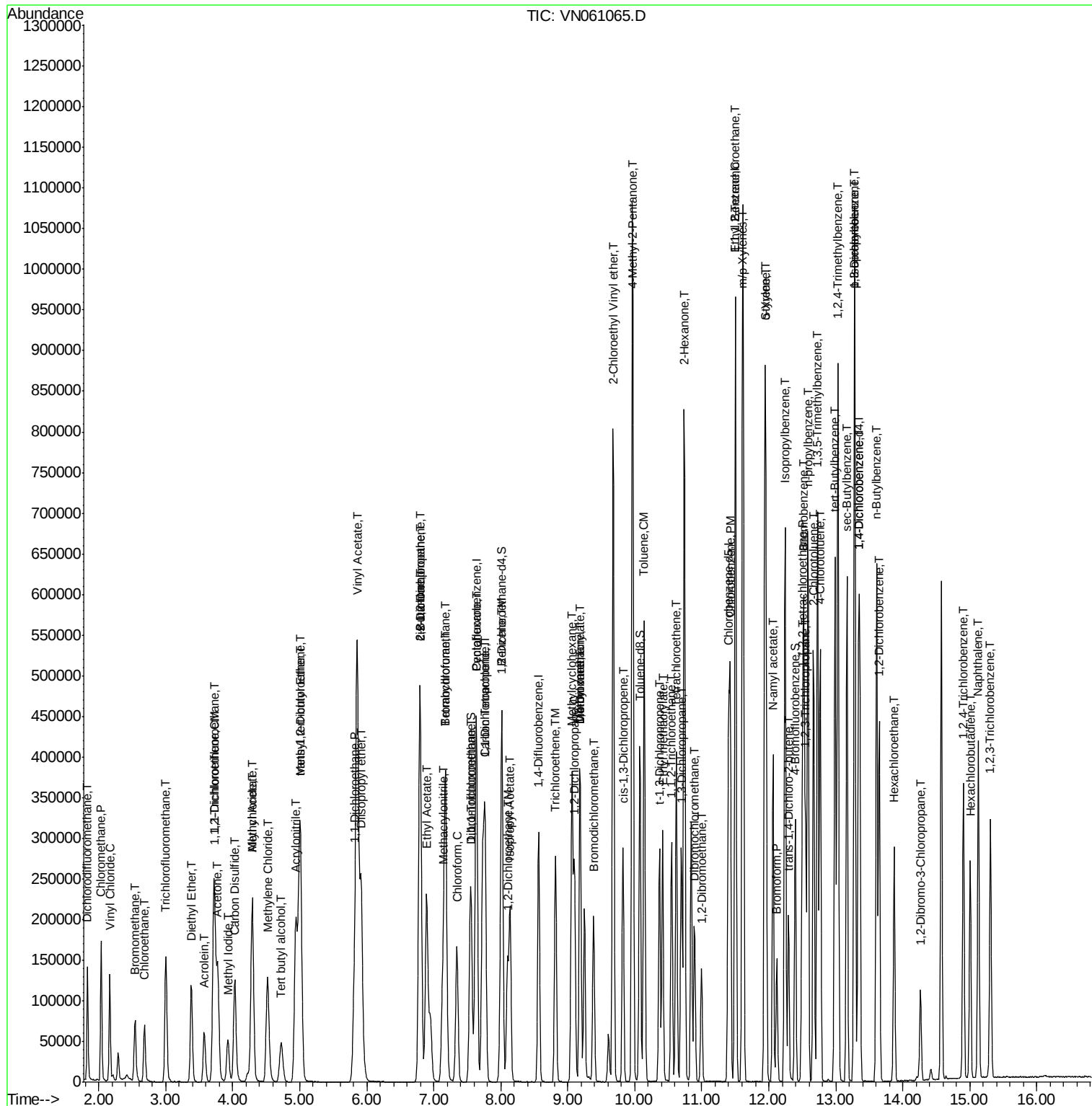
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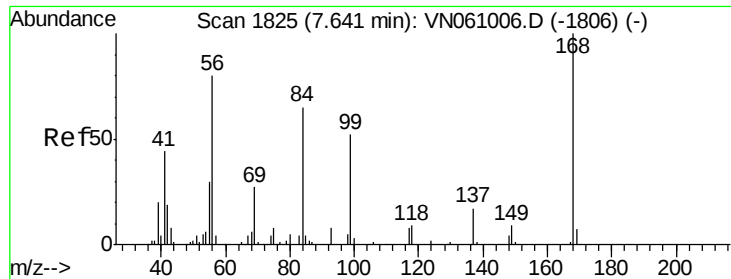
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 154868

Ion Ratio Lower Upper

168 100

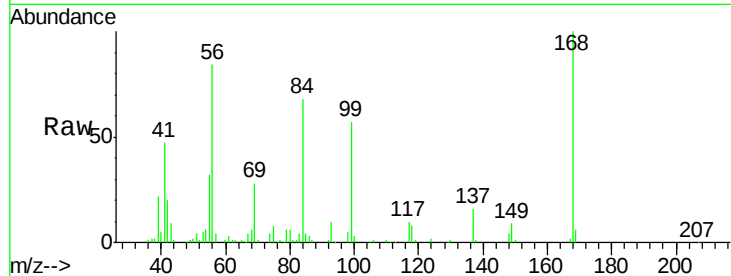
99 57.3 47.4 71.2

Manual Integrations

APPROVED

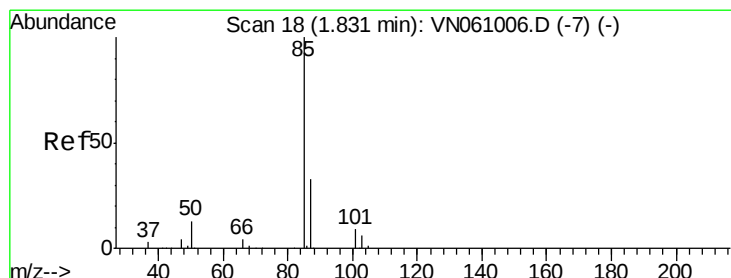
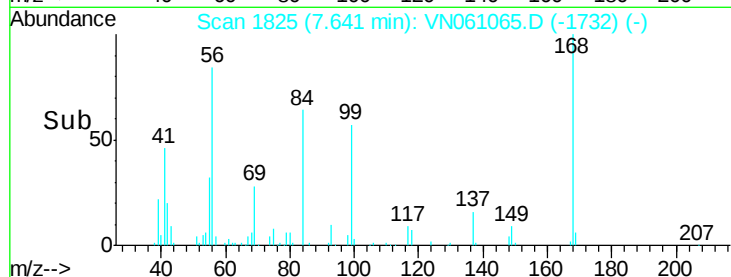
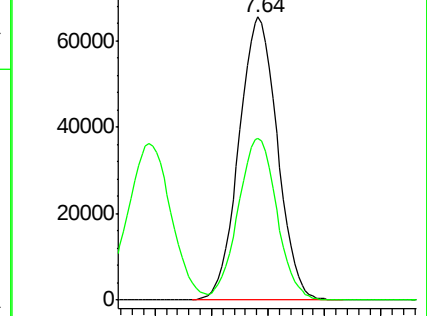
MMDadoda

4/20/2020 10:21:13 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 51.769 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061065.D

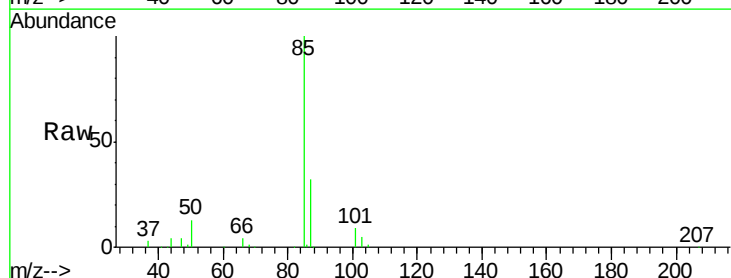
Acq: 17 Apr 2020 20:41

Tgt Ion: 85 Resp: 105996

Ion Ratio Lower Upper

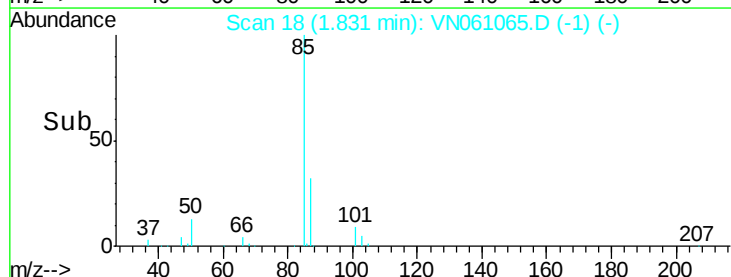
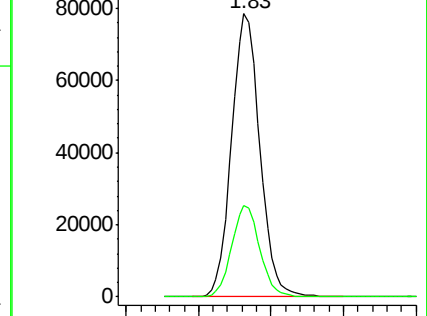
85 100

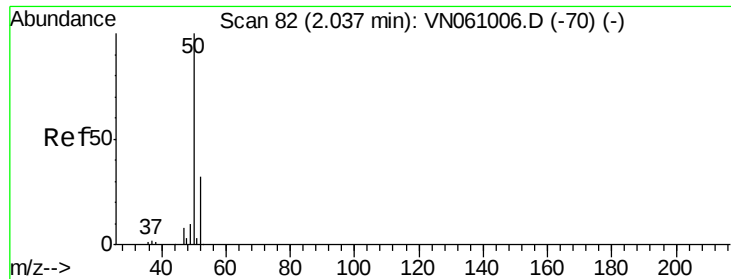
87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 51.469 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 141372

Ion Ratio Lower Upper

50 100

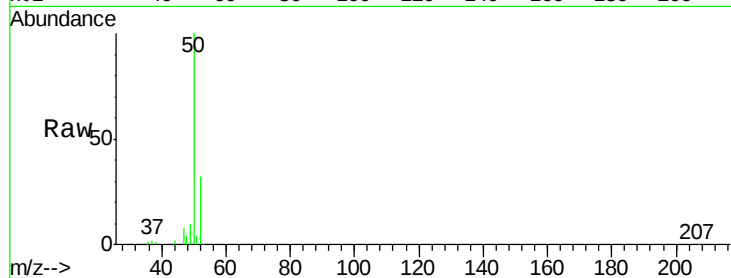
52 32.1 25.6 38.4

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

120000

100000

80000

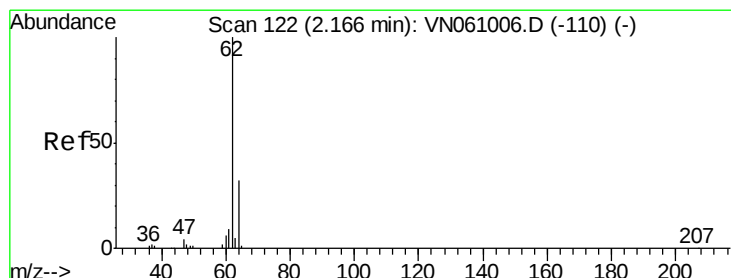
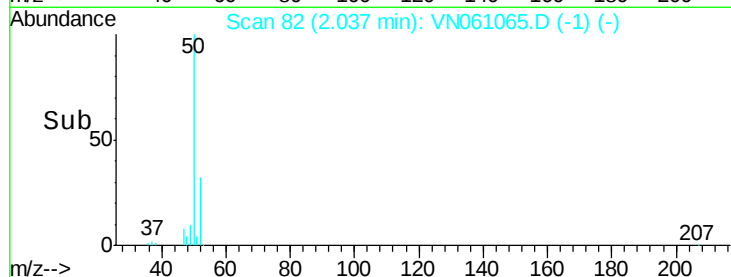
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 52.523 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061065.D

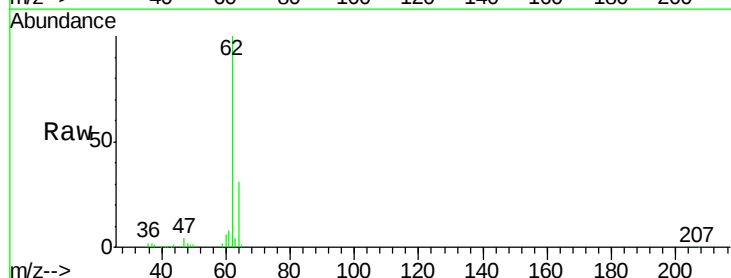
Acq: 17 Apr 2020 20:41

Tgt Ion: 62 Resp: 119888

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

80000

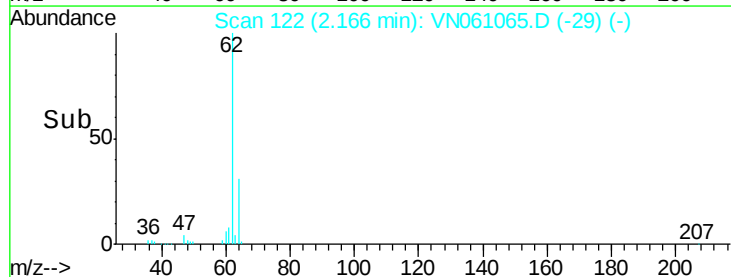
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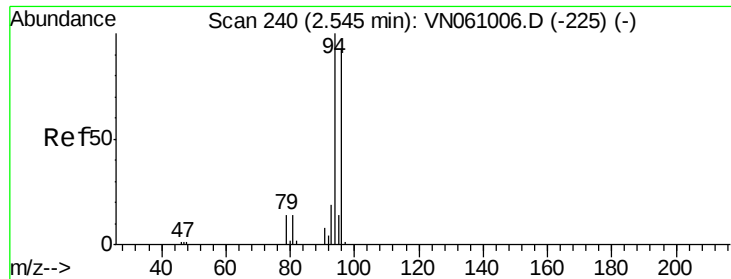
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20000

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Time-->





#5

Bromomethane

Concen: 49.731 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 56926

Ion Ratio Lower Upper

94 100

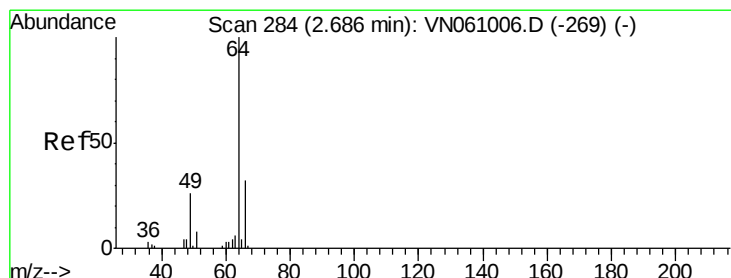
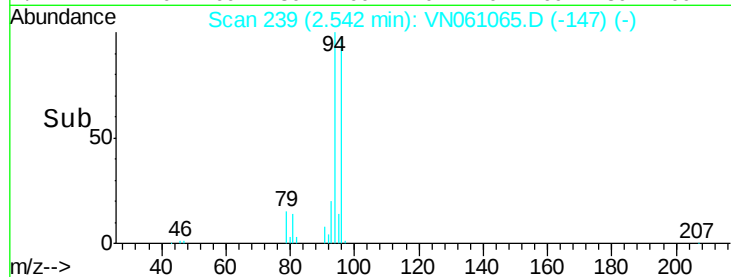
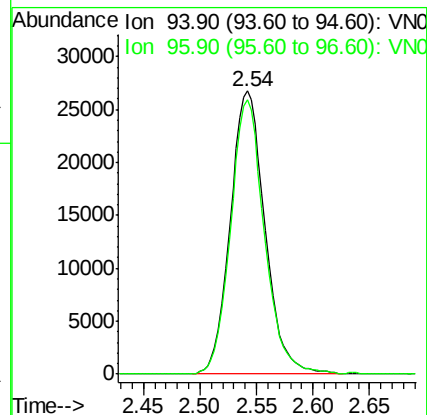
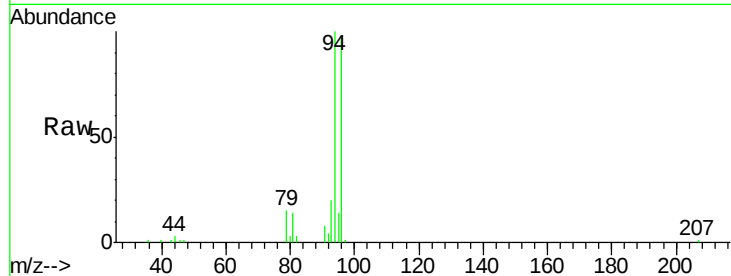
96 96.9 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 53.608 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN061065.D

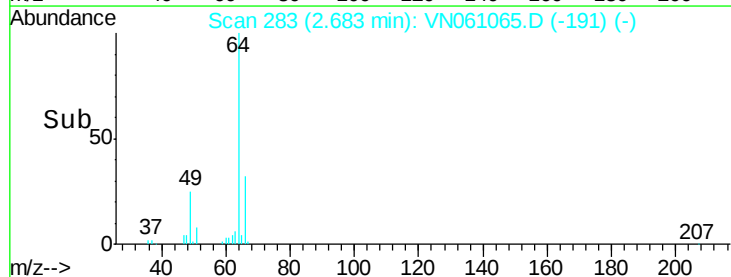
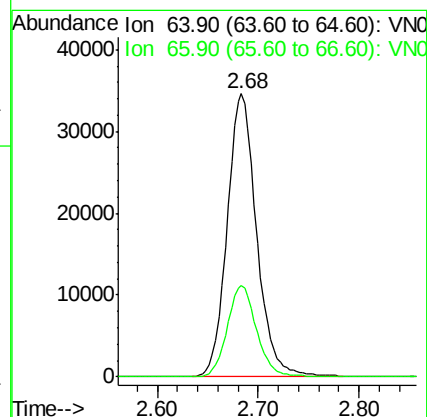
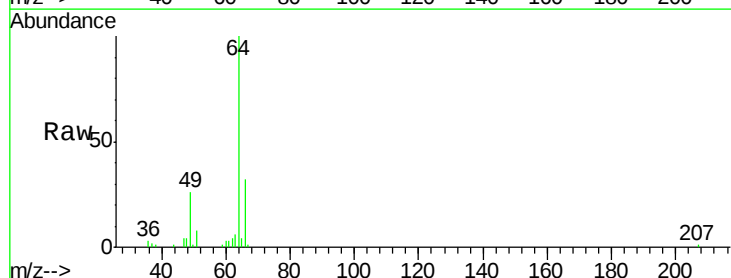
Acq: 17 Apr 2020 20:41

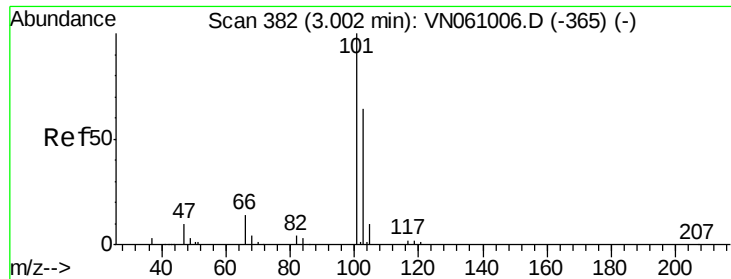
Tgt Ion: 64 Resp: 70587

Ion Ratio Lower Upper

64 100

66 32.3 25.8 38.8





#7

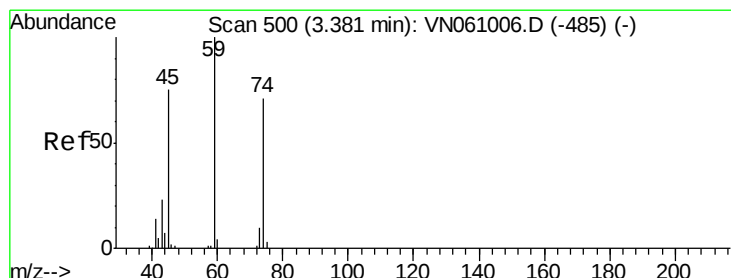
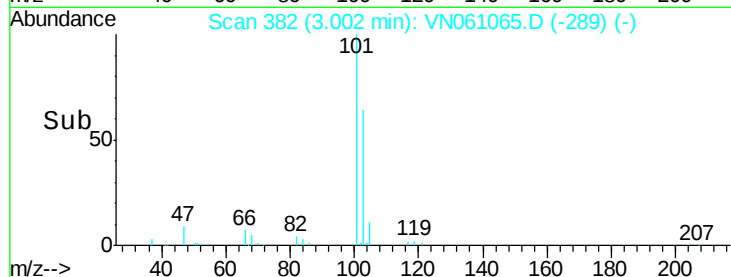
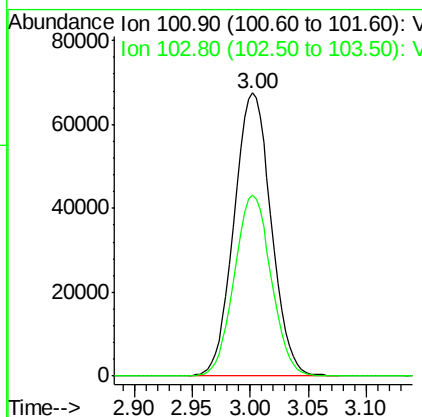
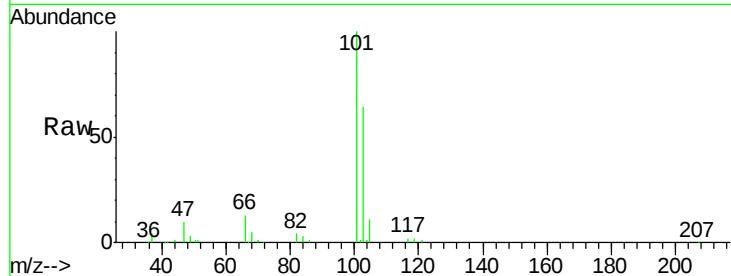
Trichlorofluoromethane
Concen: 52.808 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN061065.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.4	77.2

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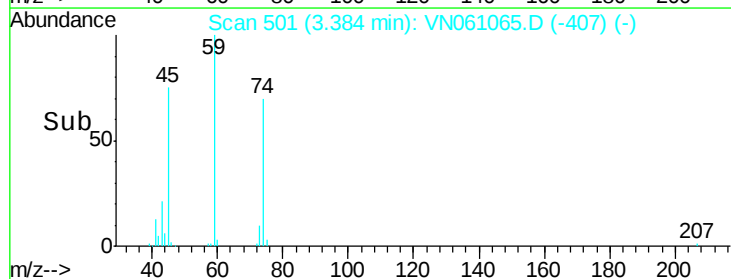
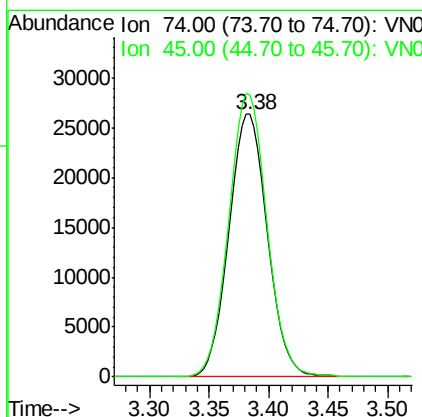
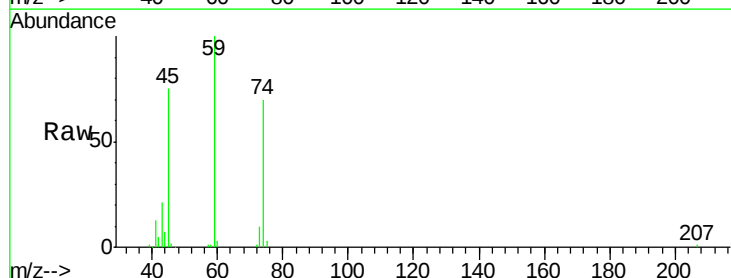
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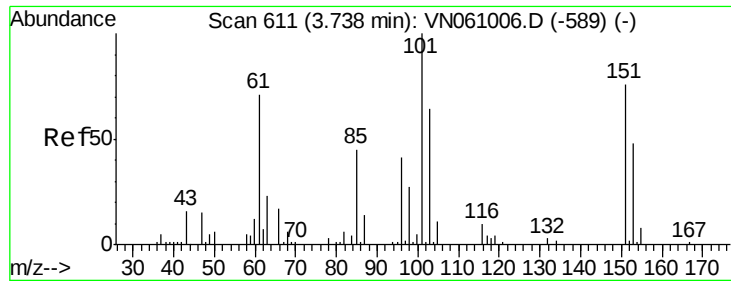


#8

Diethyl Ether
Concen: 52.345 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.3	52.9	158.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.058 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

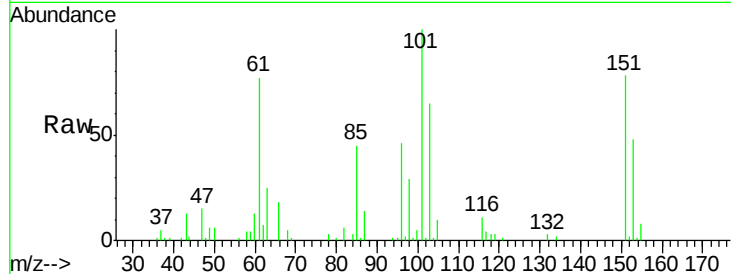
ClientSampleId :

VSTDCCC050EC

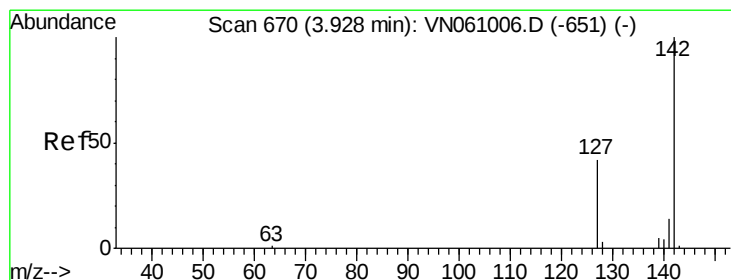
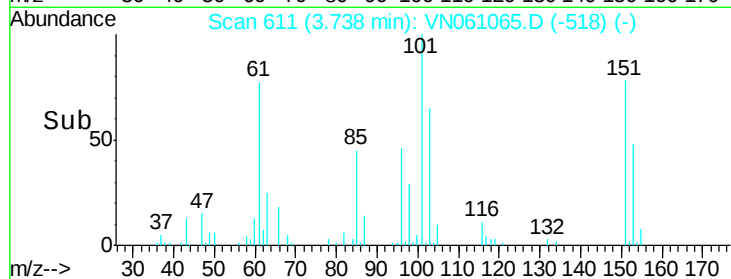
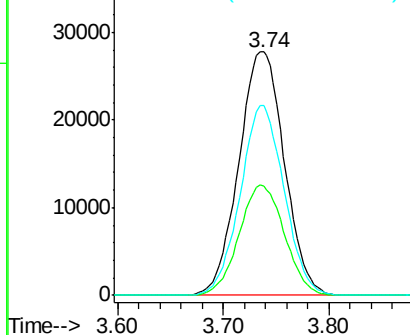
Tot Ion:	101	Resp:	83459
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.9	53.9
151	75.1	60.8	91.2

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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: 58.238 ug/l

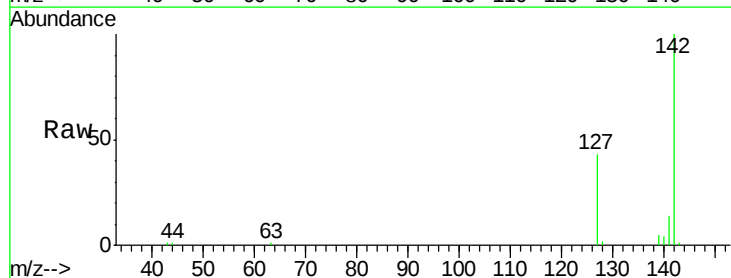
RT: 3.93 min Scan# 670

Delta R.T. 0.00 min

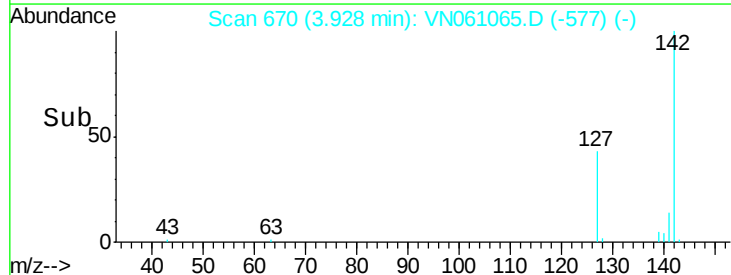
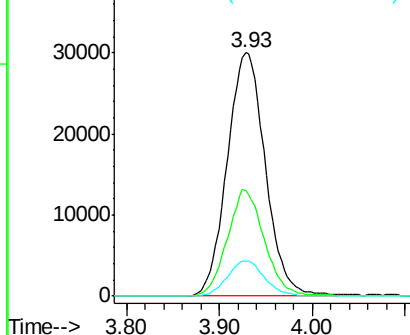
Lab File: VN061065.D

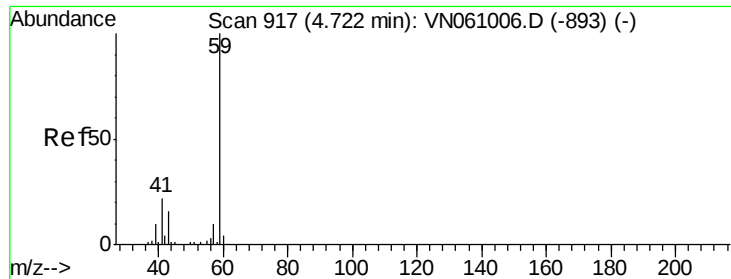
Acq: 17 Apr 2020 20:41

Tgt Ion:	142	Resp:	85659
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.4	50.2
141	14.0	11.0	16.6



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

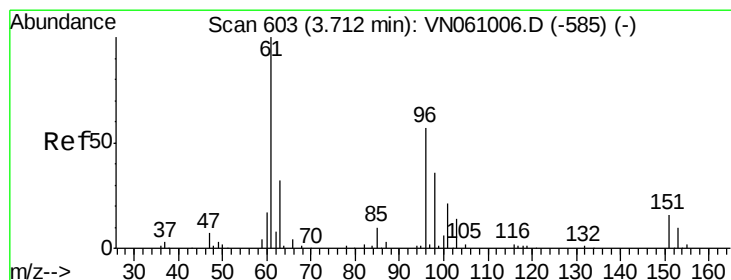
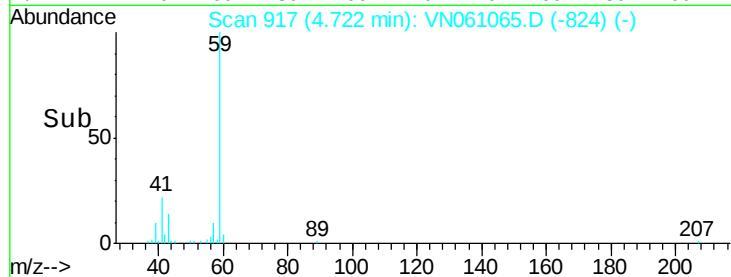
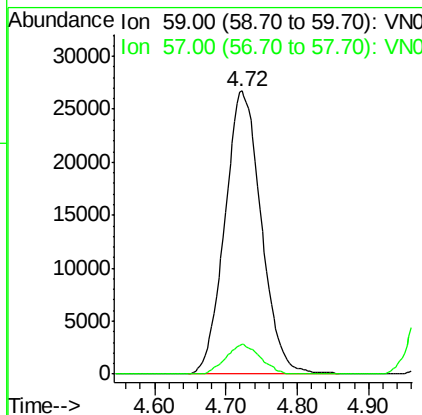
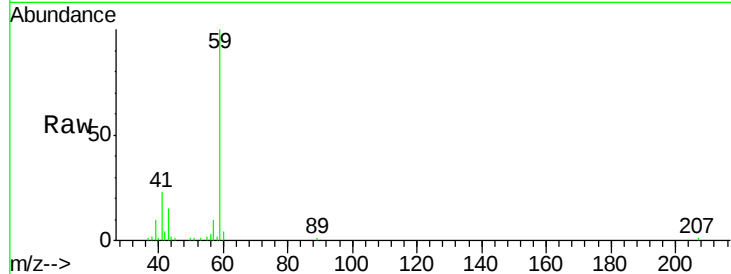
Tert butyl alcohol
Concen: 269.687 ug/l
RT: 4.72 min Scan# 917
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.1	12.1

Manual Integrations
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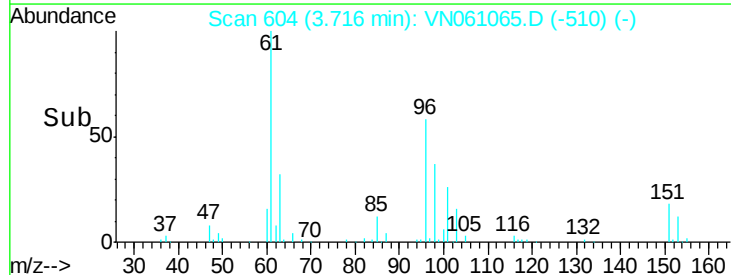
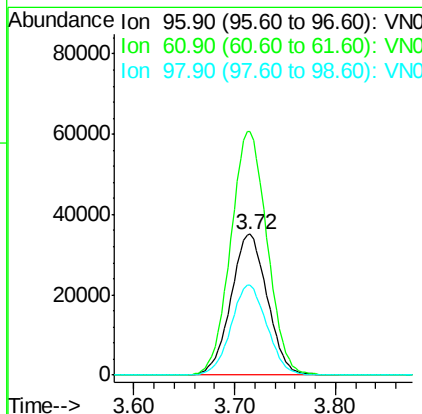
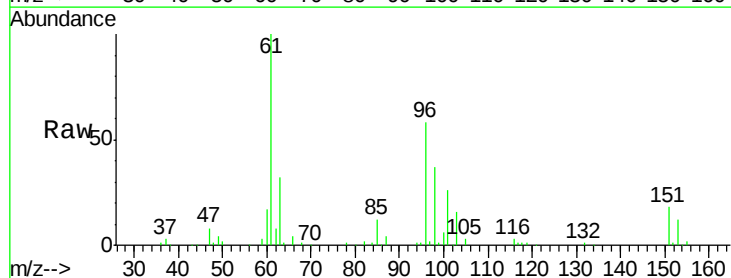
MMDadoda
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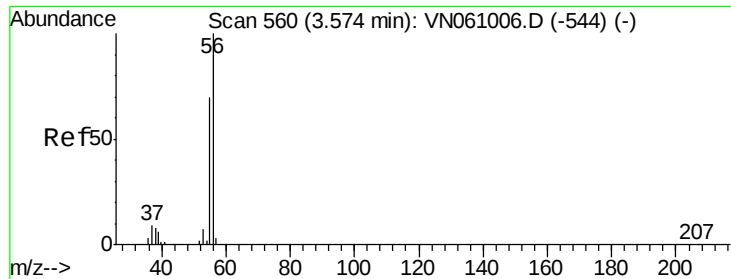


#12

1,1-Dichloroethene
Concen: 51.833 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.0	139.2	208.8
98	64.0	50.0	75.0





#13

Acrolein

Concen: 236.642 ug/l

RT: 3.57 min Scan# 560

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 70244

Ion Ratio Lower Upper

56 100

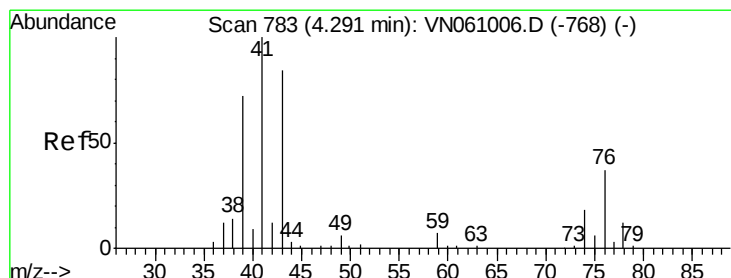
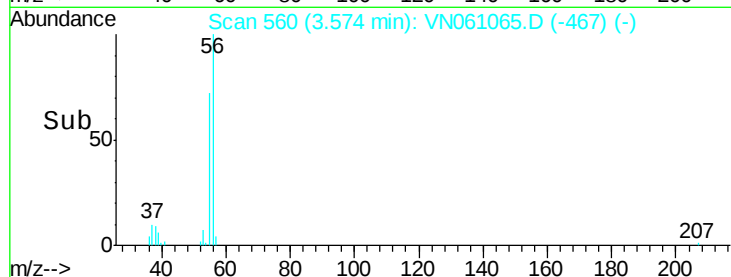
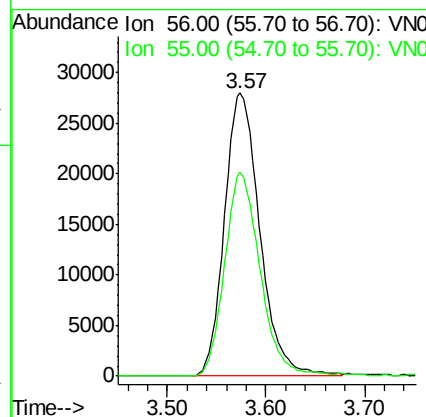
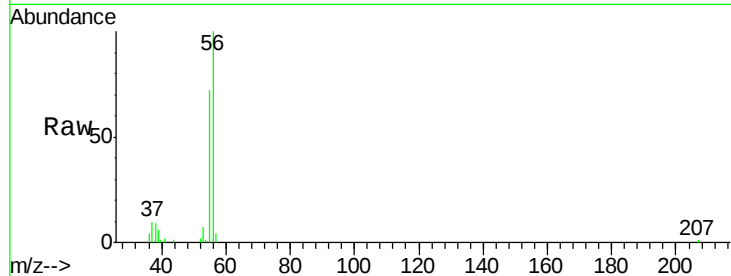
55 71.9 57.0 85.6

Manual Integrations

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#14

Allyl chloride

Concen: 49.012 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

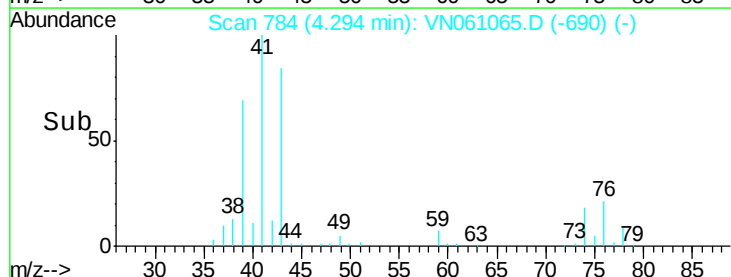
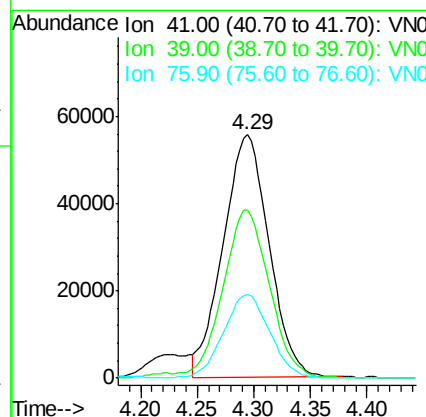
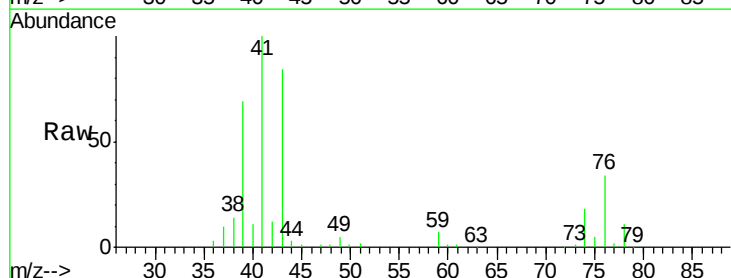
Tgt Ion: 41 Resp: 157161

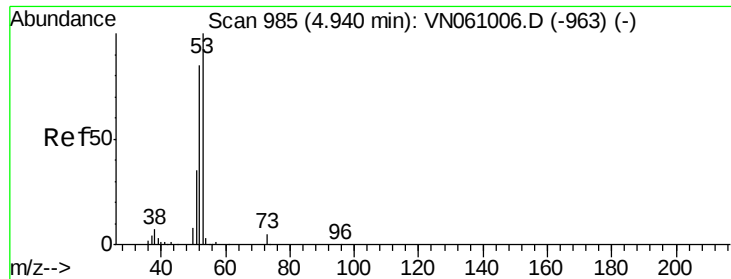
Ion Ratio Lower Upper

41 100

39 70.3 56.3 84.5

76 34.7 27.7 41.5





#15

Acrylonitrile

Concen: 279.083 ug/l

RT: 4.94 min Scan# 985

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

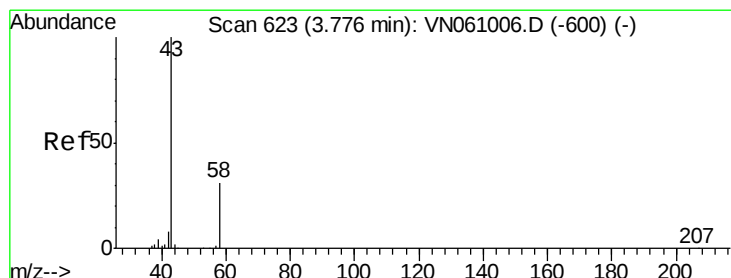
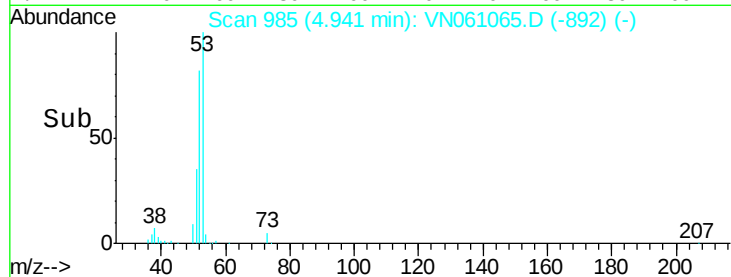
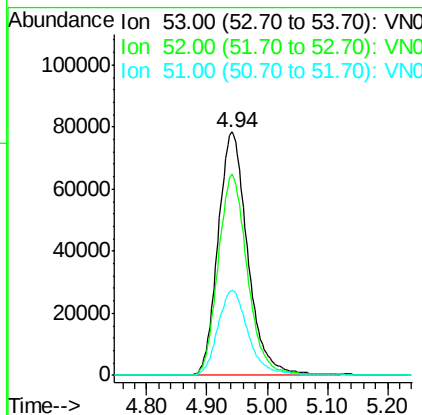
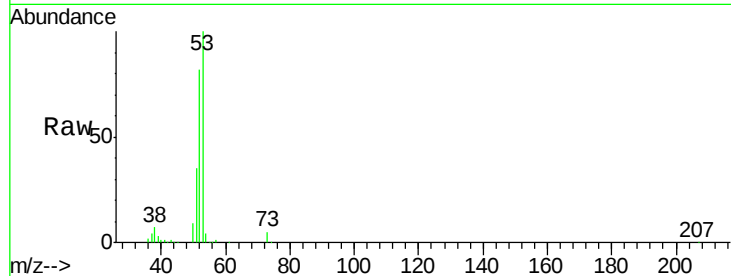
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	266024
Ion Ratio	Lower	Upper	
53	100		
52	81.5	66.8	100.2
51	35.8	28.9	43.3

Manual Integrations
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#16

Acetone

Concen: 248.680 ug/l

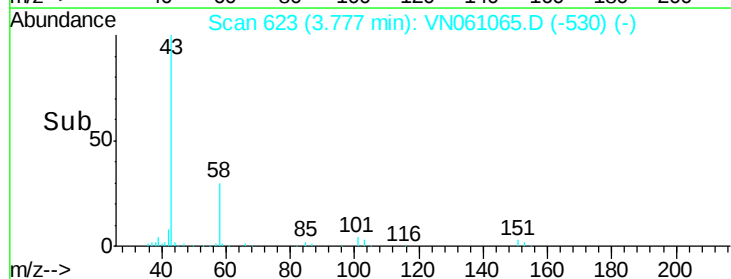
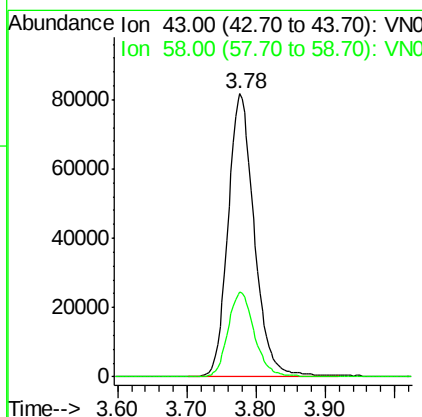
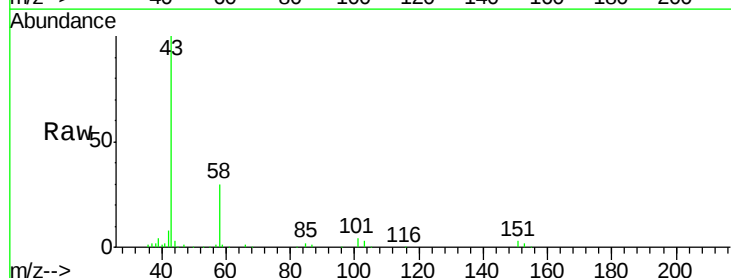
RT: 3.78 min Scan# 623

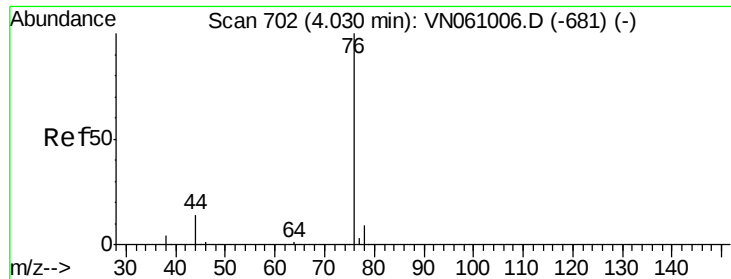
Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Tgt Ion:	43	Resp:	216882
Ion Ratio	Lower	Upper	
43	100		
58	30.0	24.6	37.0





#17

Carbon Disulfide

Concen: 50.025 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 265289

Ion Ratio Lower Upper

76 100

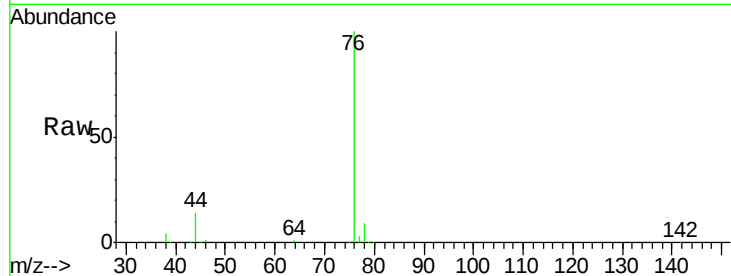
78 9.0 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN061006.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN061006.D (-681) (-)

4.03

100000

80000

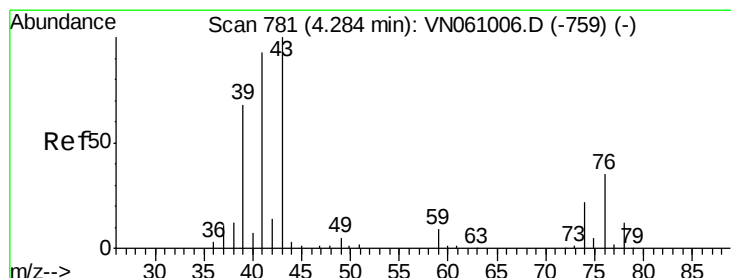
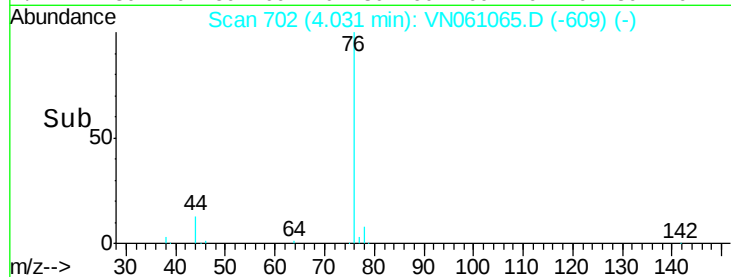
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 55.993 ug/l

RT: 4.28 min Scan# 781

Delta R.T. 0.00 min

Lab File: VN061065.D

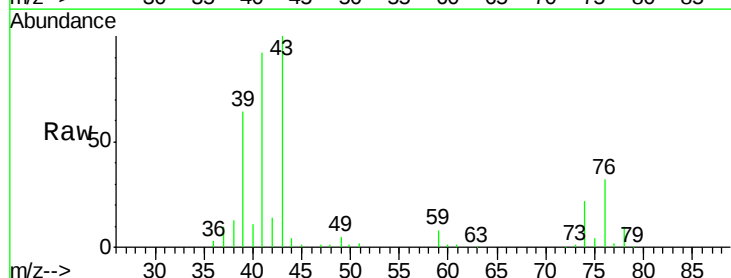
Acq: 17 Apr 2020 20:41

Tgt Ion: 43 Resp: 153129

Ion Ratio Lower Upper

43 100

74 21.2 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-759) (-)

Ion 74.00 (73.70 to 74.70): VN061006.D (-759) (-)

4.28

60000

50000

40000

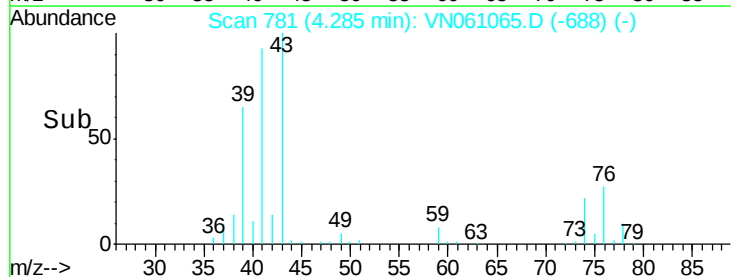
30000

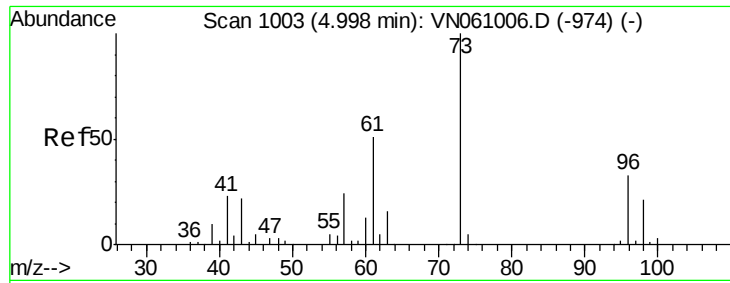
20000

10000

0

Time-->





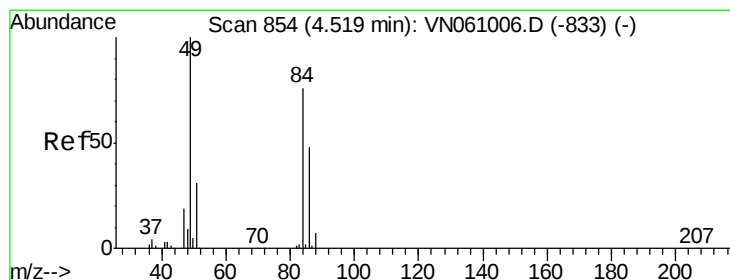
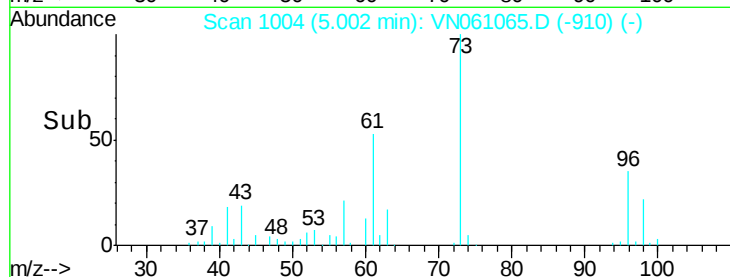
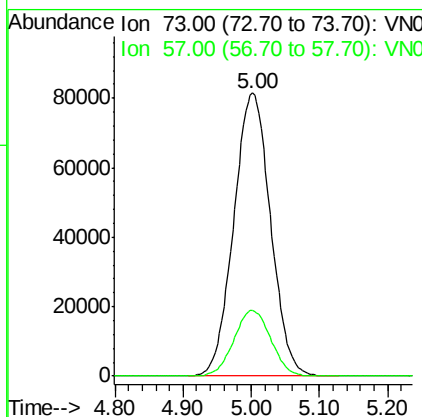
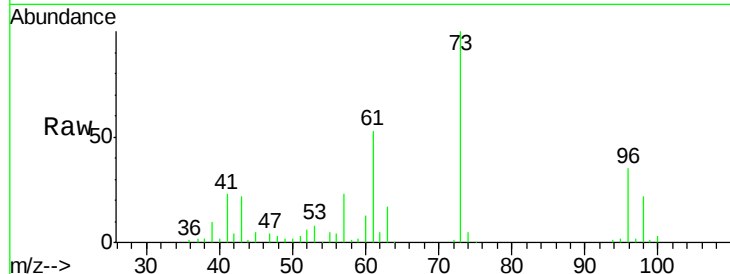
#19
Methvl tert-butvl Ether
Concen: 51.634 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 305122
Ion Ratio Lower Upper
73 100
57 23.1 19.0 28.4

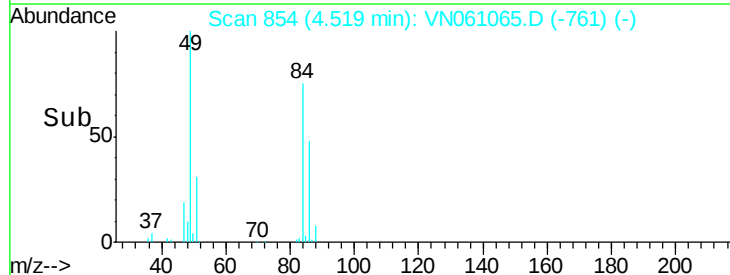
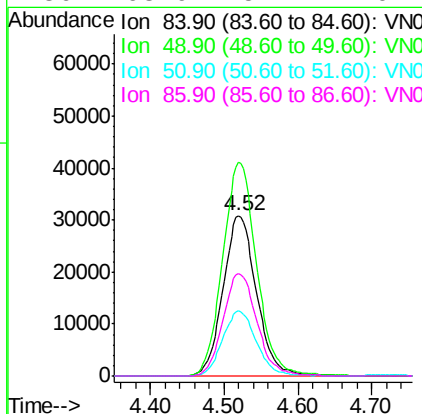
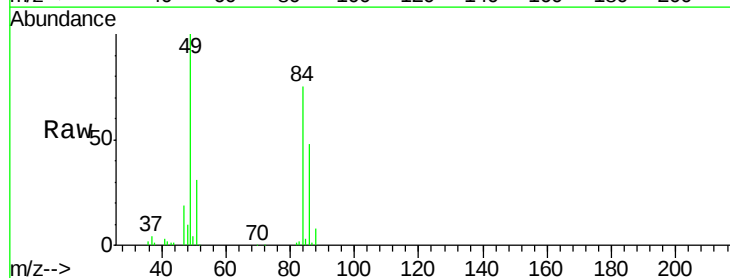
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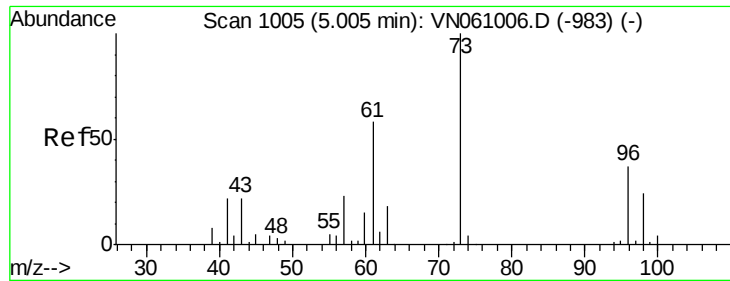
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#20
Methylene Chloride
Concen: 51.153 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion: 84 Resp: 97404
Ion Ratio Lower Upper
84 100
49 133.3 105.8 158.6
51 40.9 32.4 48.6
86 63.9 51.1 76.7





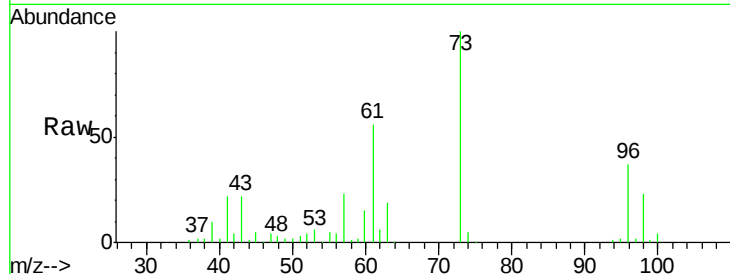
#21
trans-1,2-Dichloroethene
Concen: 51.694 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.1	124.8	187.2
98	63.0	51.3	76.9

Manual Integrations
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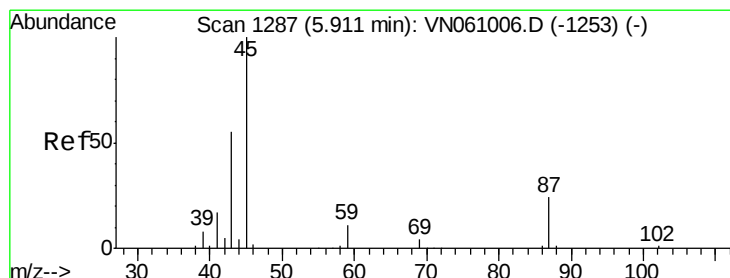
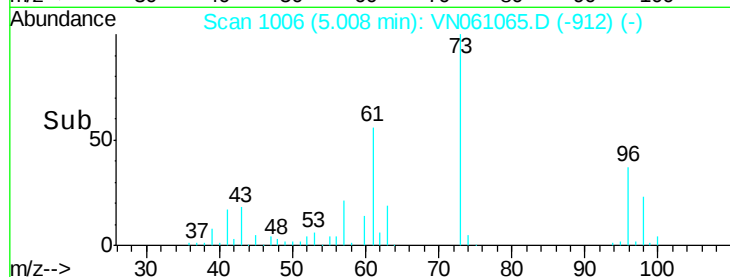
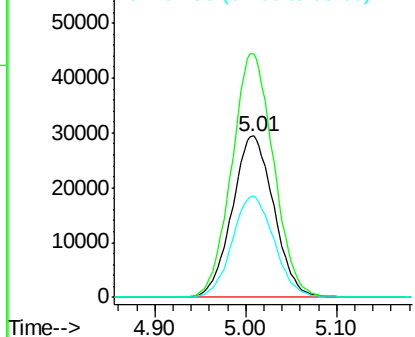


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 52.631 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	48.6	72.8
87	24.1	19.4	29.2
59	11.4	8.6	12.8

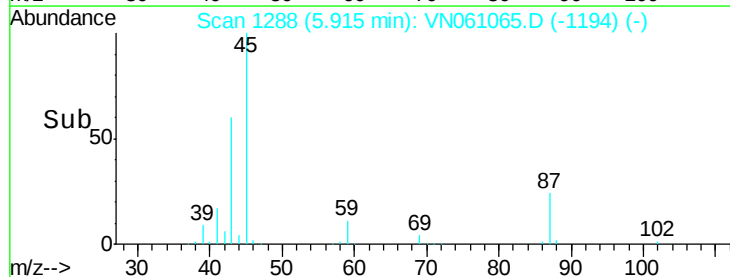
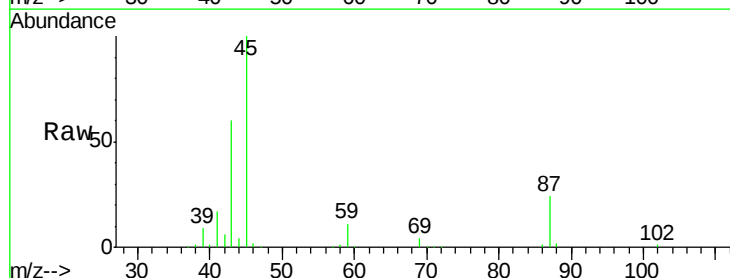
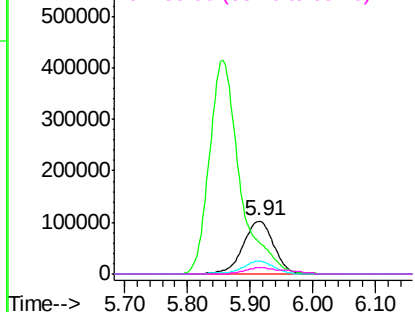
Abundance

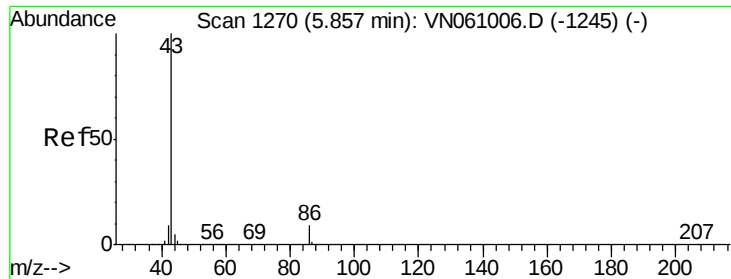
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 267.049 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1394632

Ion Ratio Lower Upper

43 100

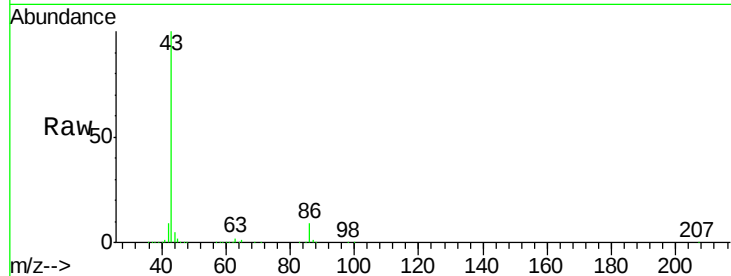
86 9.0 7.3 10.9

Manual Integrations

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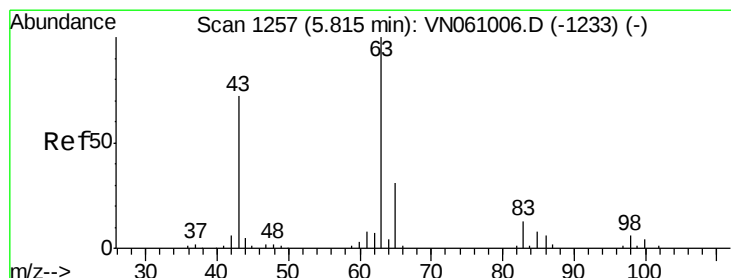
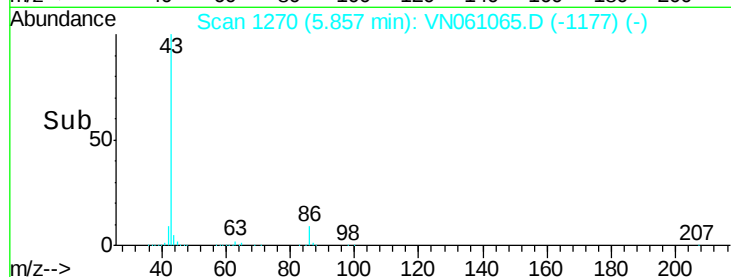
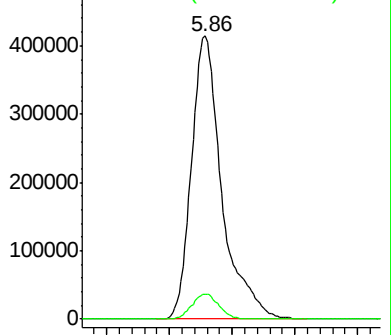
MMDadoda

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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: 51.426 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

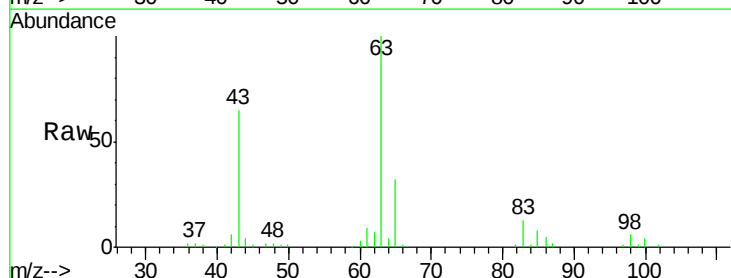
Tgt Ion: 63 Resp: 184976

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.8

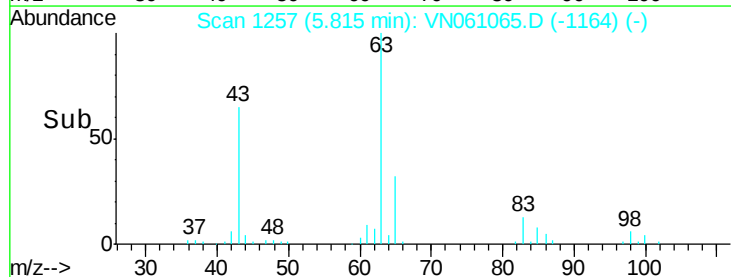
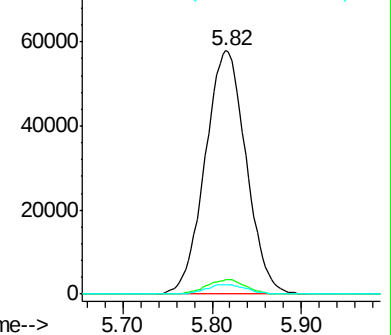
100 3.6 2.0 5.8



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





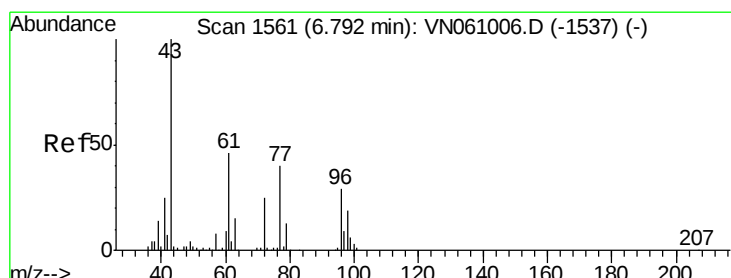
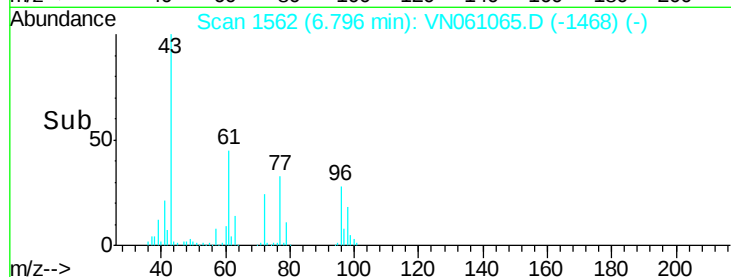
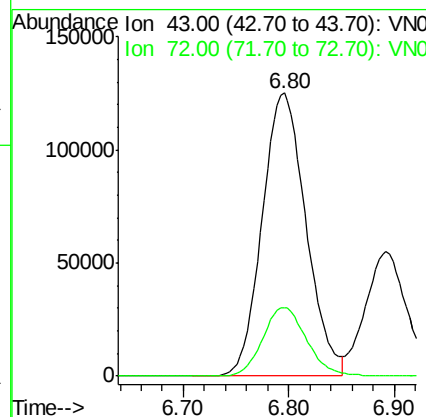
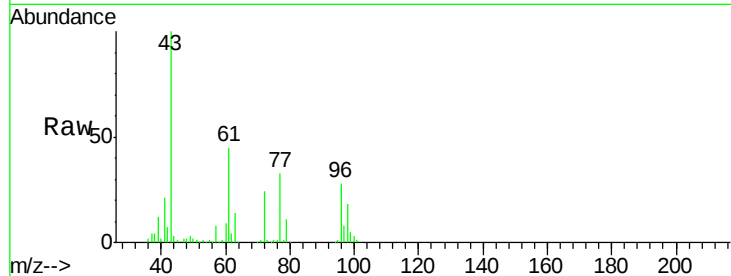
#25
2-Butanone
Concen: 270.398 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.4	19.6	29.4

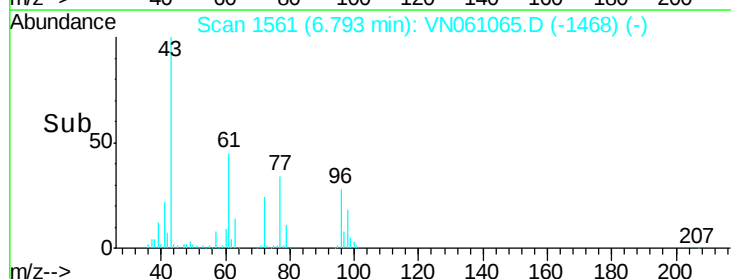
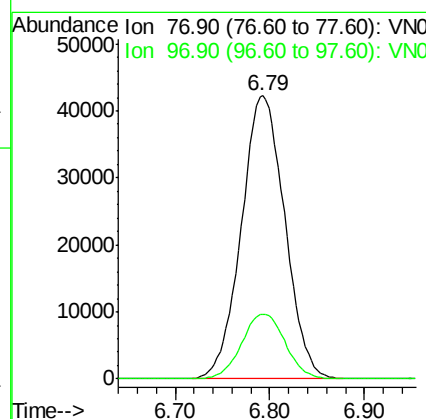
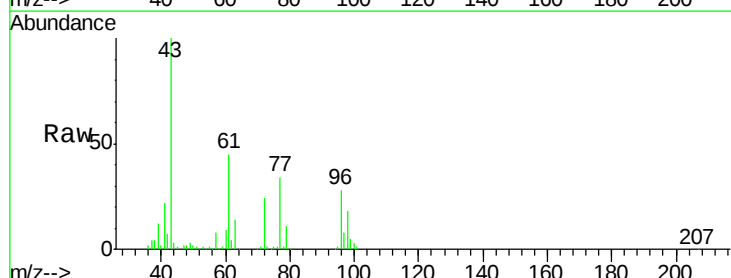
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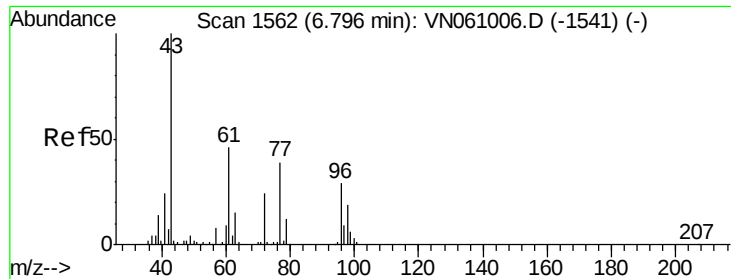
MMDadoda
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#26
2,2-Dichloropropane
Concen: 44.999 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.0	11.2	33.6





#27

cis-1,2-Dichloroethene

Concen: 50.841 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

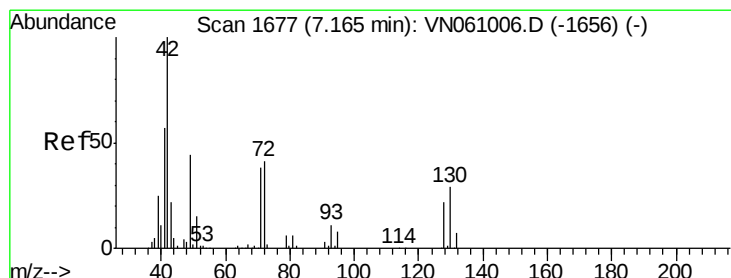
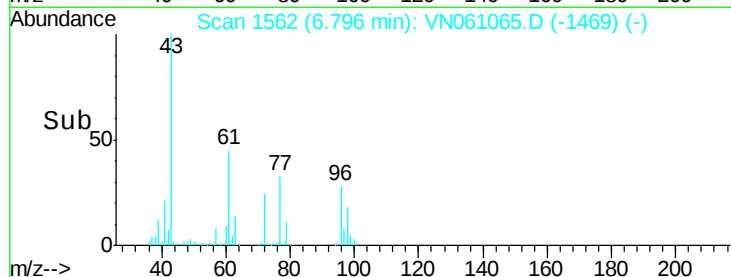
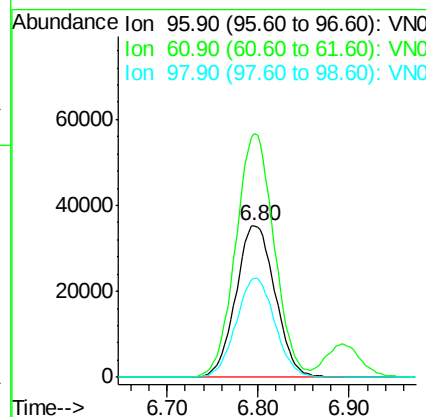
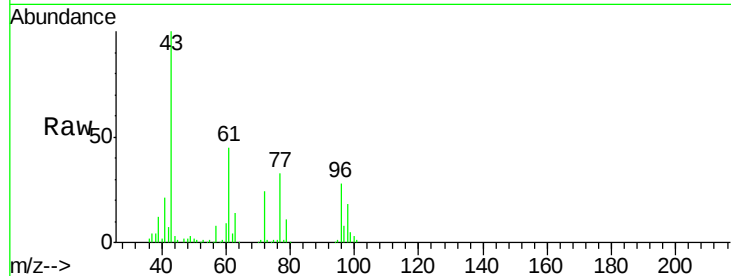
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	105802
Ion	Ratio	Lower	Upper
96	100		
61	157.0	0.0	317.4
98	64.3	0.0	127.8

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#28

Bromochloromethane

Concen: 50.913 ug/l

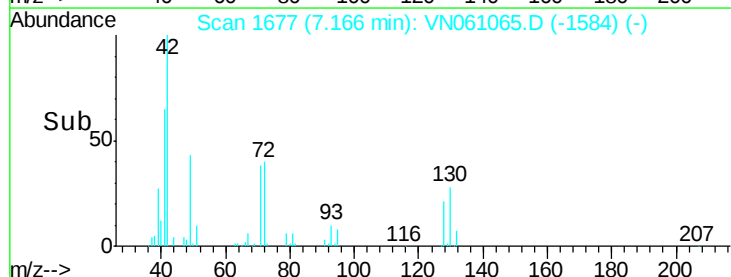
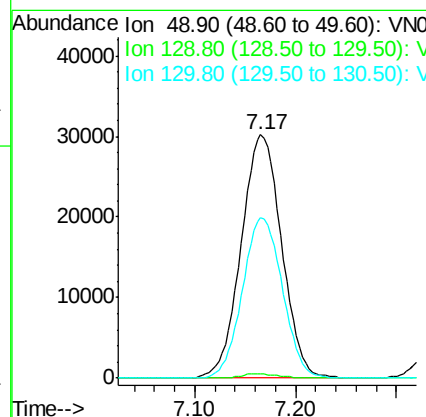
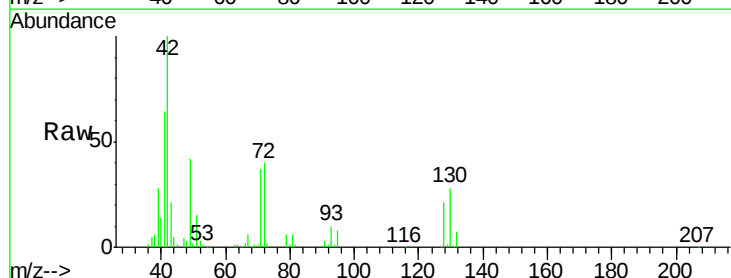
RT: 7.17 min Scan# 1677

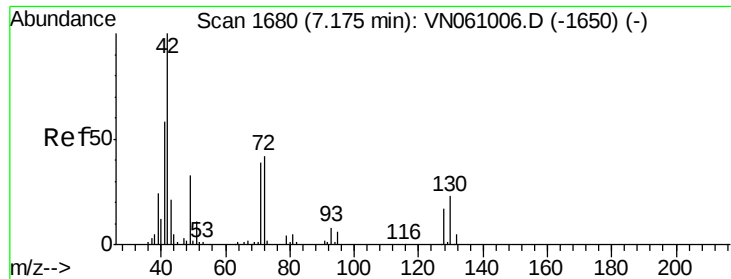
Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Tgt Ion:	49	Resp:	84061
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.0
130	64.9	52.9	79.3





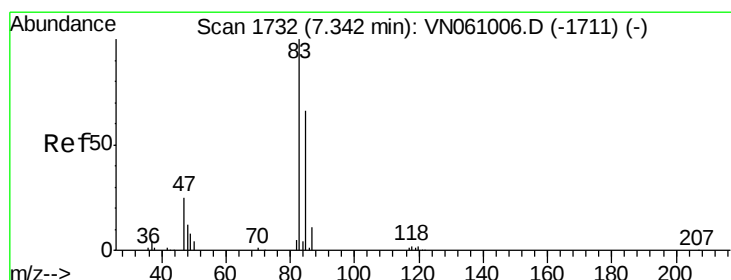
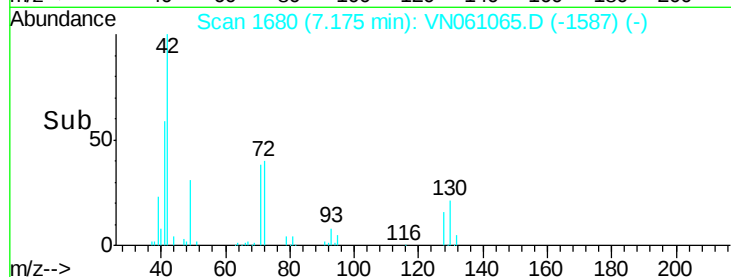
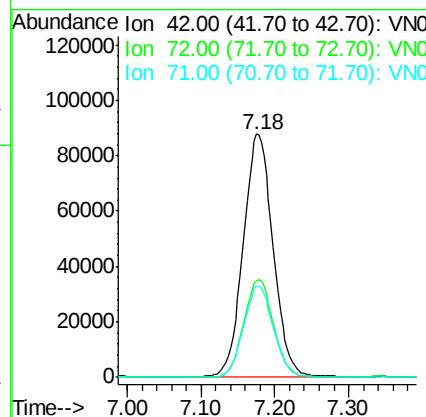
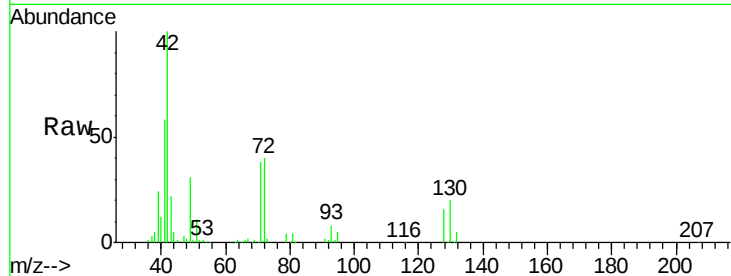
#29
Tetrahydrofuran
Concen: 274.590 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	32.1	48.1
71	37.5	30.5	45.7

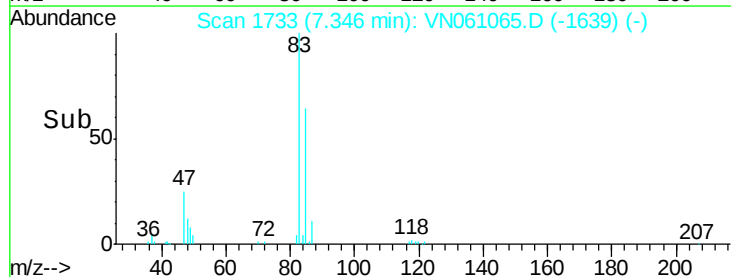
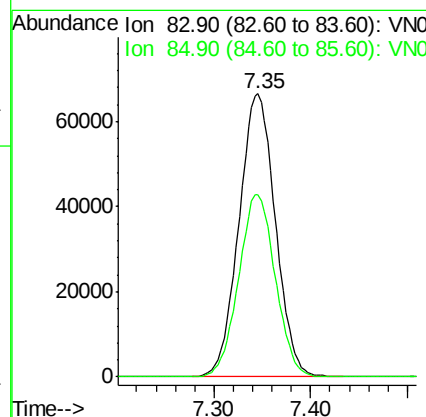
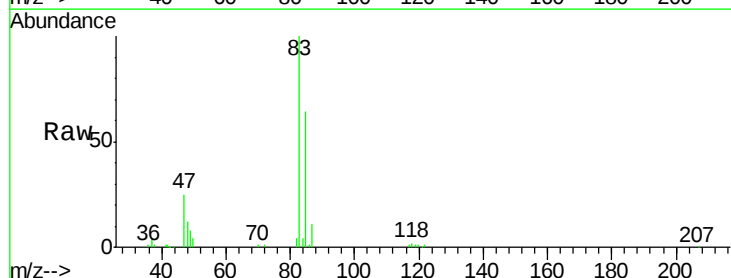
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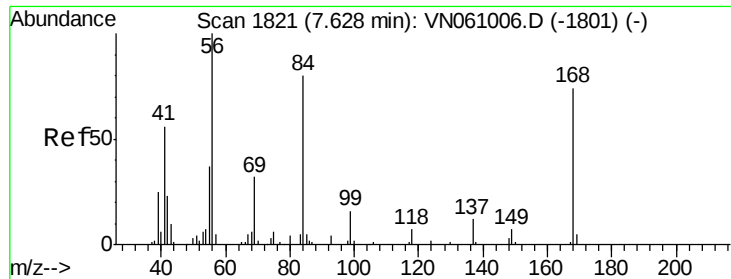
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#30
Chloroform
Concen: 51.916 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.8	79.2





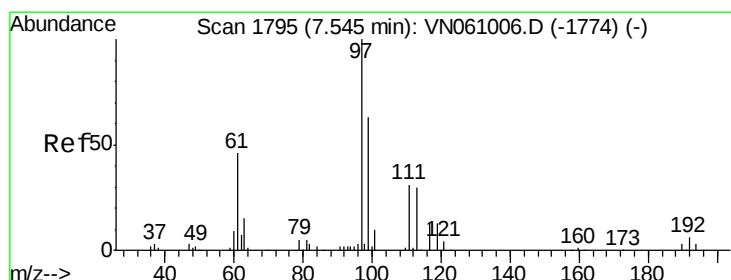
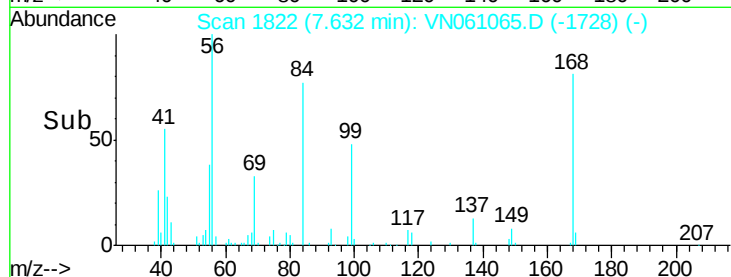
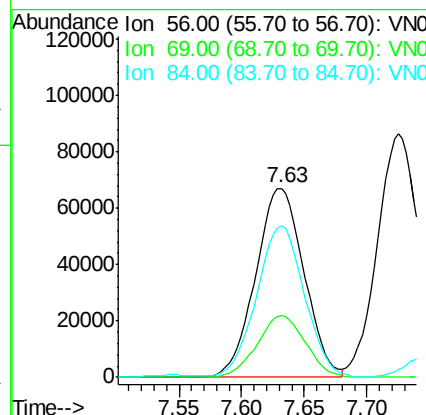
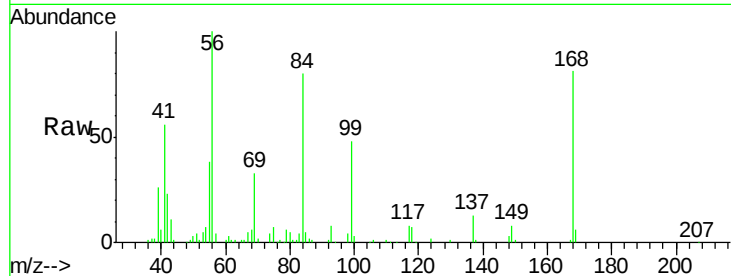
#31
Cyclohexane
Concen: 48.695 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	25.6	38.4
84	79.0	63.4	95.2

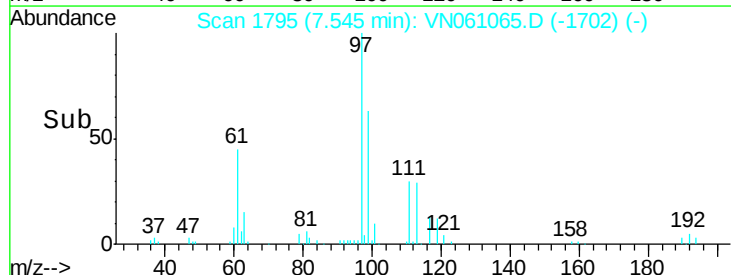
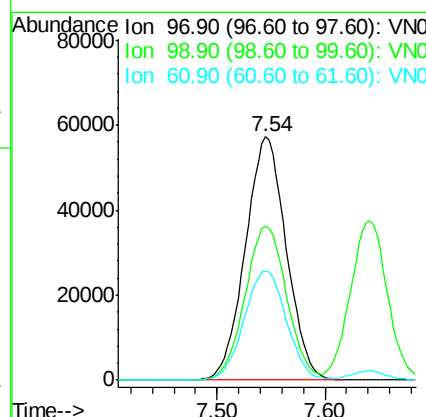
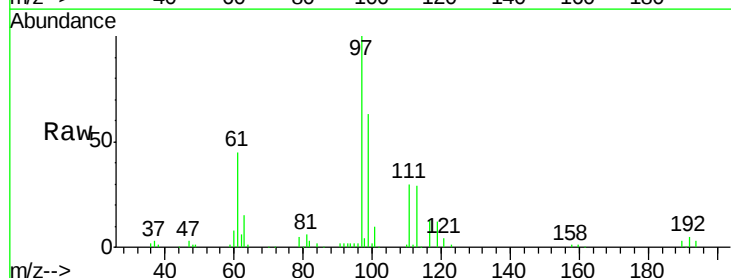
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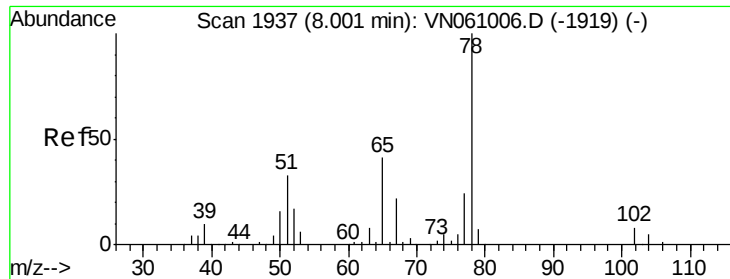
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#32
1,1,1-Trichloroethane
Concen: 52.007 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.4
61	46.5	37.0	55.6





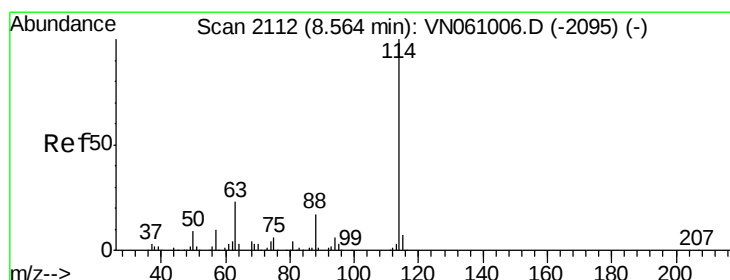
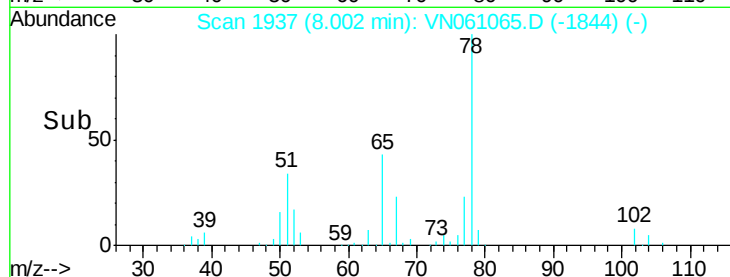
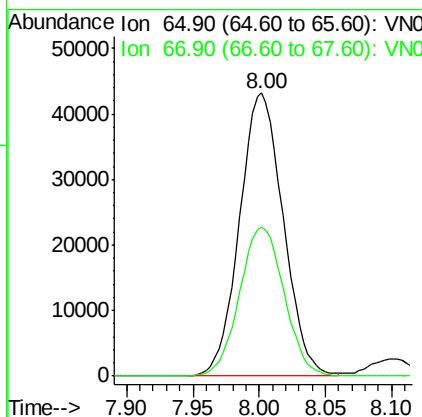
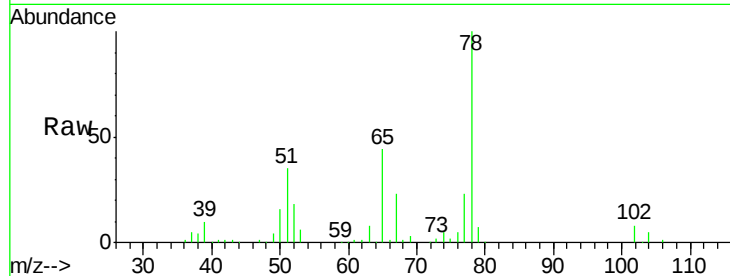
#33
 1,2-Dichloroethane-d4
 Concen: 49.908 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	98889		
67	53.8	0.0	107.0	

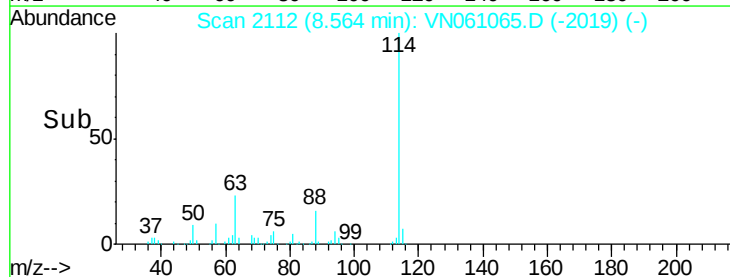
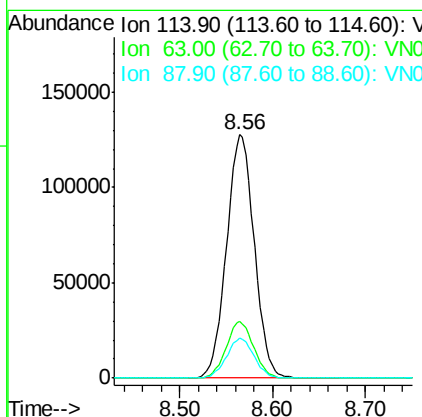
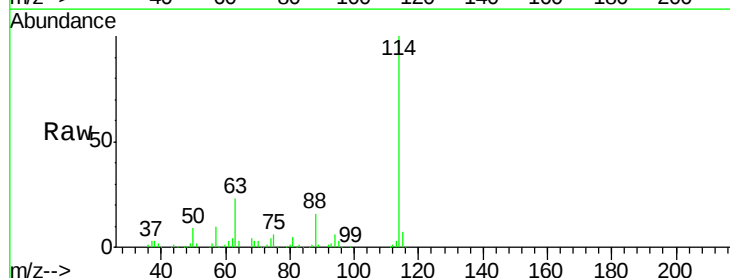
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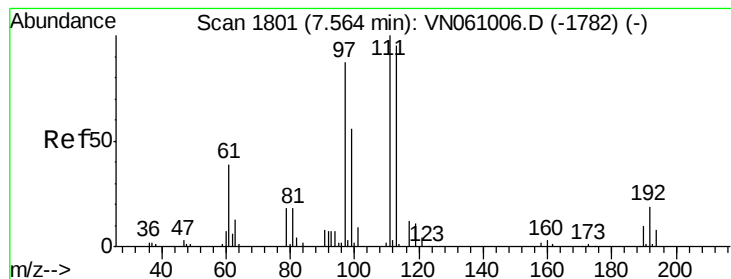
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	264290		
63	23.2	0.0	46.2	
88	16.3	0.0	33.4	





#35

Dibromofluoromethane

Concen: 51.011 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 78731

Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.2

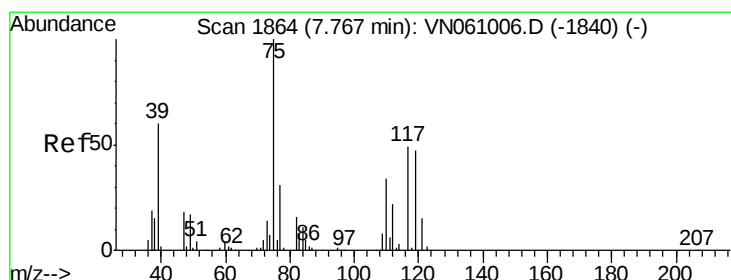
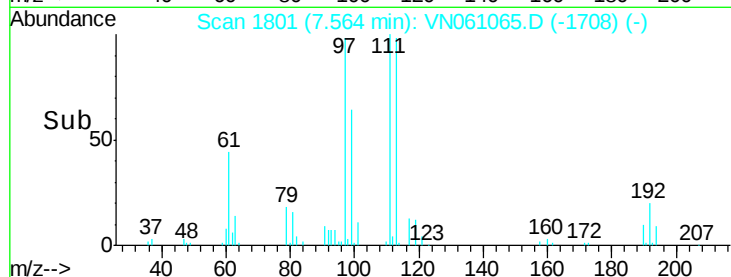
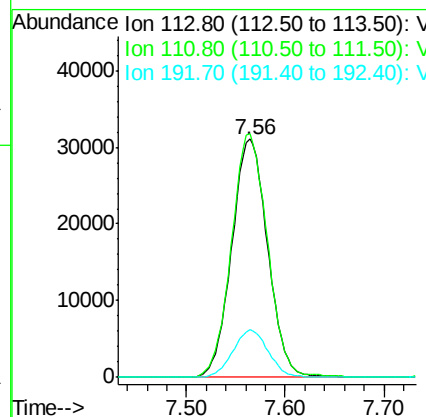
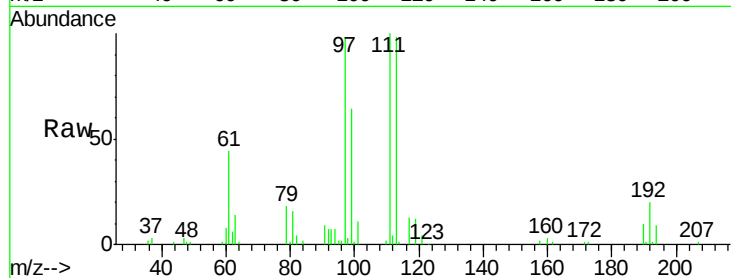
192 19.5 15.5 23.3

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#36

1,1-Dichloropropene

Concen: 50.312 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

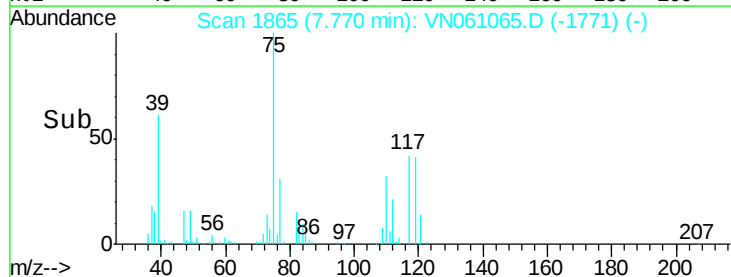
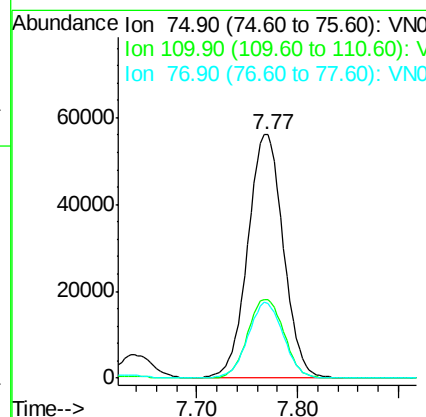
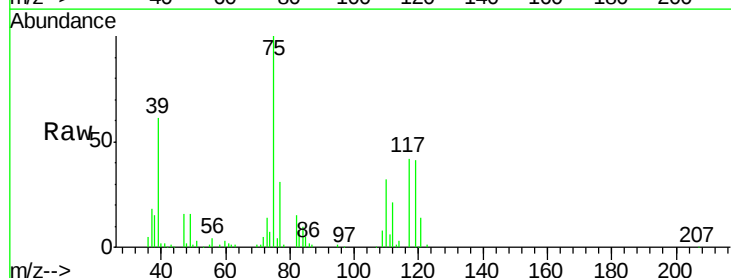
Tgt Ion: 75 Resp: 137212

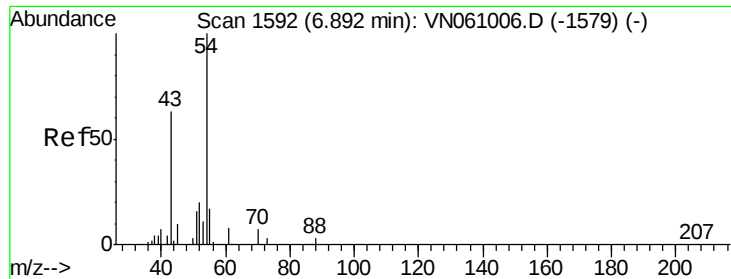
Ion Ratio Lower Upper

75 100

110 33.0 16.8 50.3

77 30.9 24.7 37.1





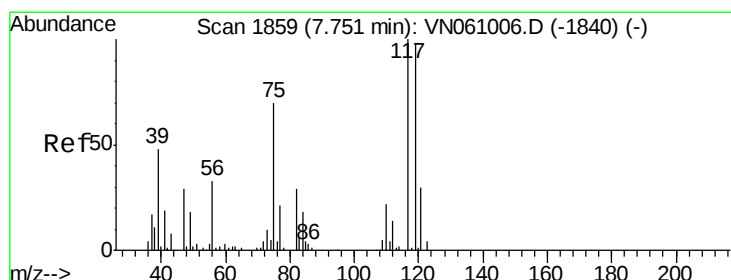
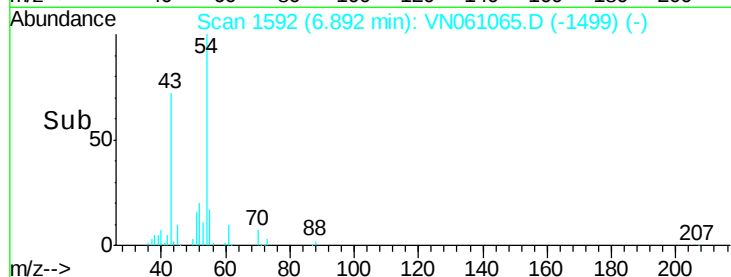
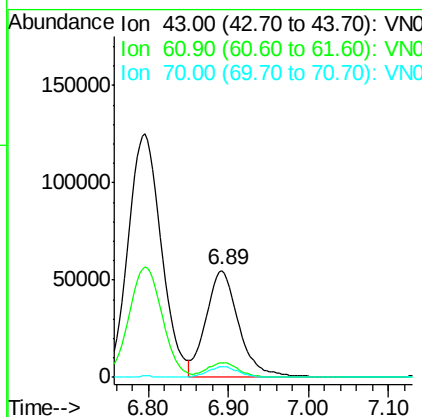
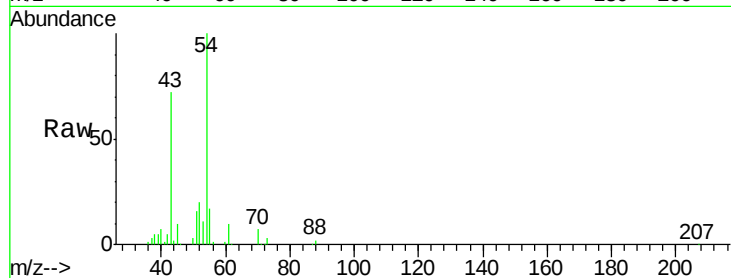
#37
Ethyl Acetate
Concen: 52.496 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	9.7	7.7	11.5

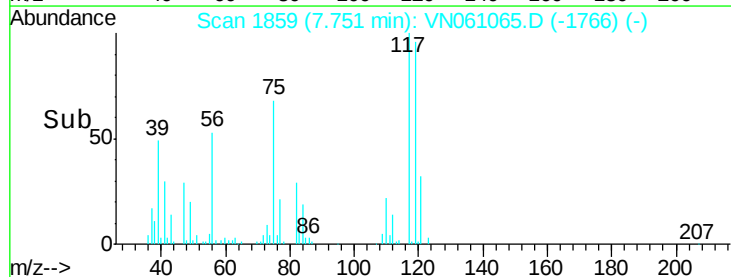
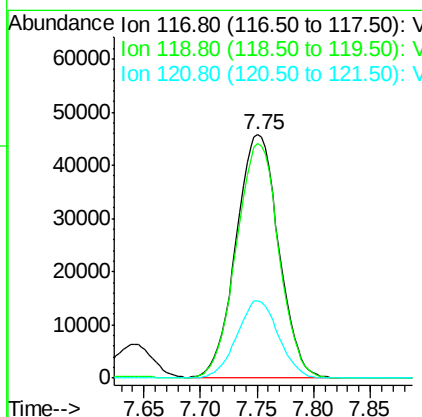
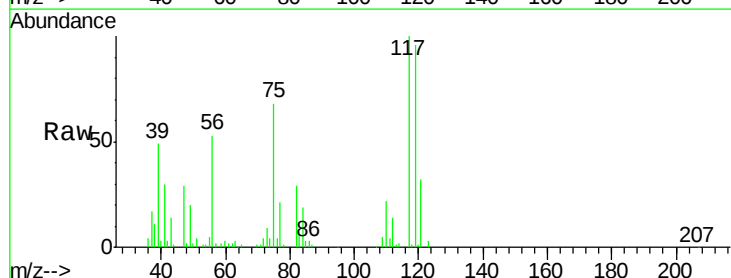
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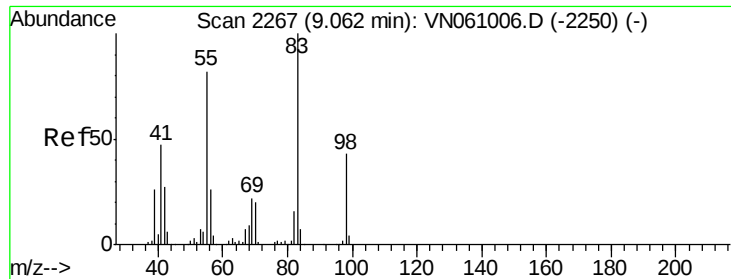
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#38
Carbon Tetrachloride
Concen: 52.950 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.1	117.1
121	31.8	24.0	36.0





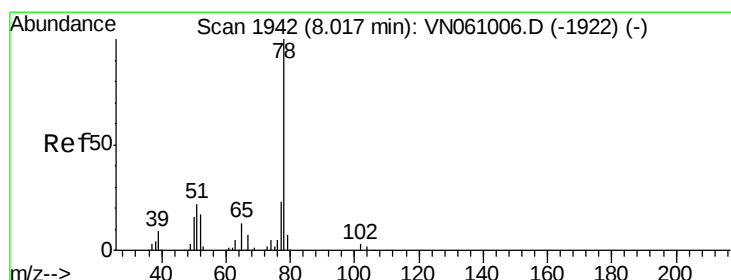
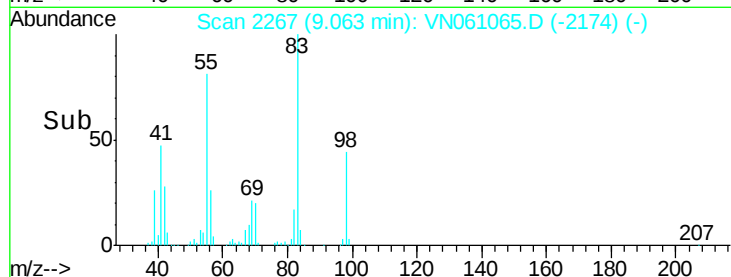
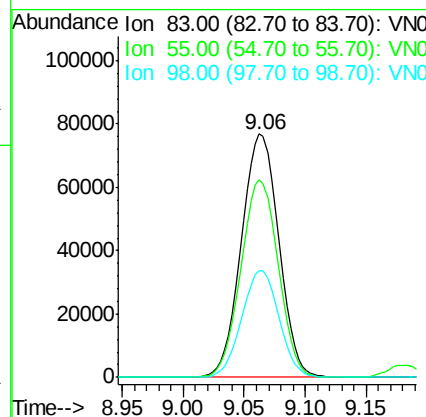
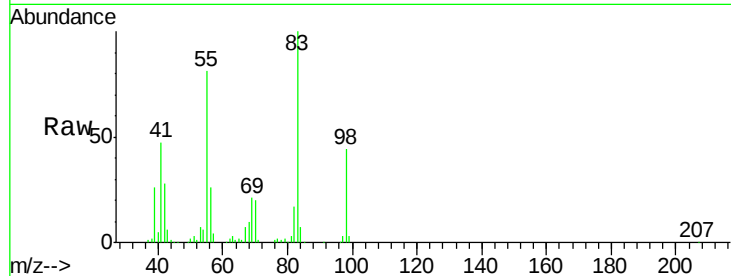
#39
Methvlcvclohexane
Concen: 50.073 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.2	65.4	98.0	
98	44.0	34.6	51.8	

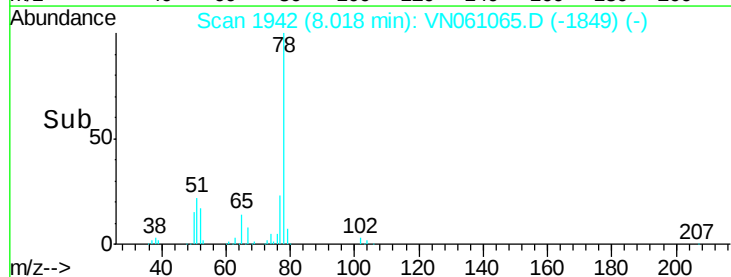
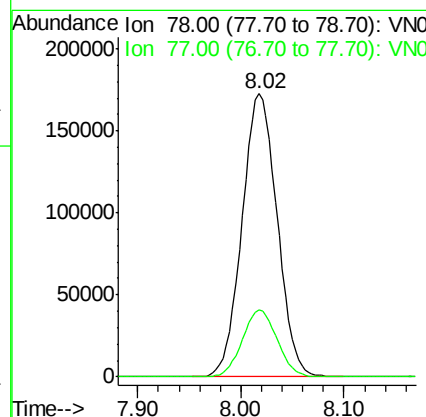
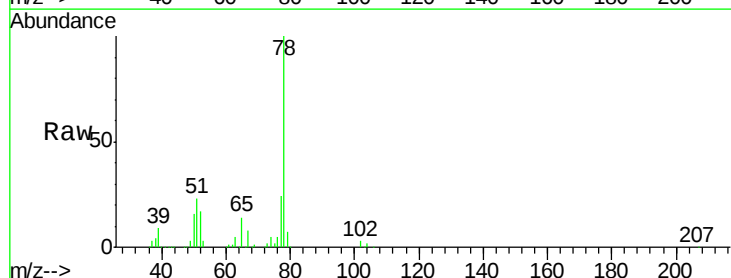
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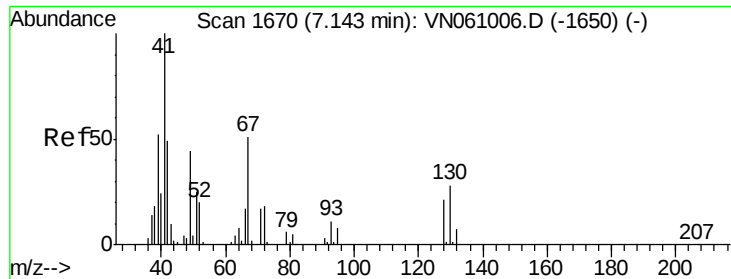
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#40
Benzene
Concen: 50.485 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

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





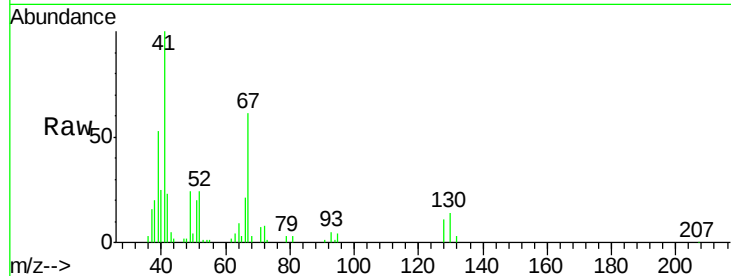
#41
Methacrylonitrile
Concen: 57.860 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

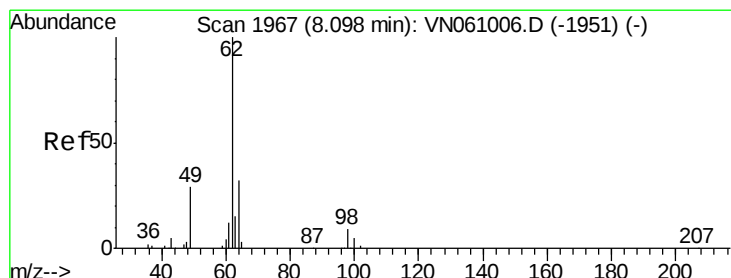
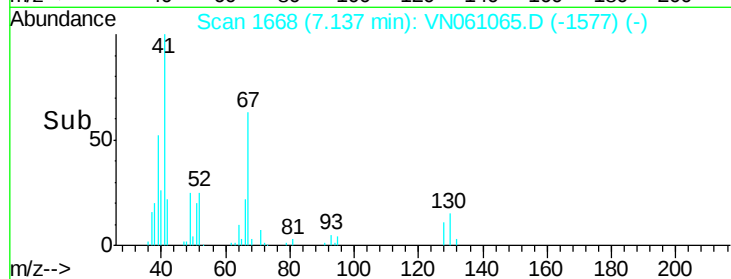
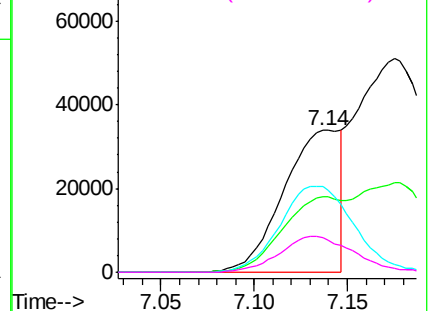
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

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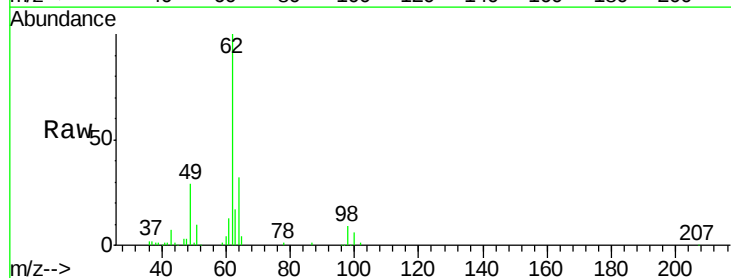


Abundance Ion 41.00 (40.70 to 41.70): VN061006.D (-1650) (-)
Ion 39.00 (38.70 to 39.70): VN061006.D (-1650) (-)
Ion 67.00 (66.70 to 67.70): VN061006.D (-1650) (-)
Ion 52.00 (51.70 to 52.70): VN061006.D (-1650) (-)

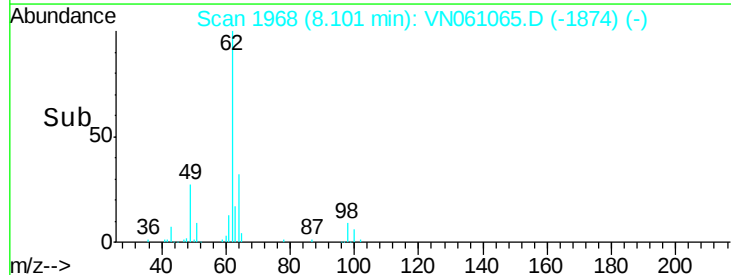
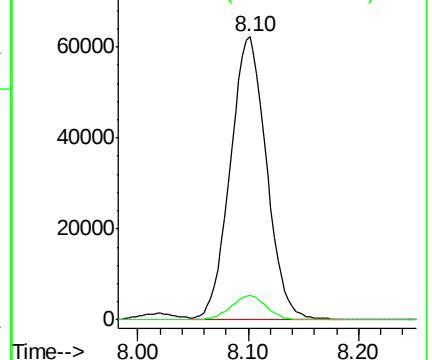


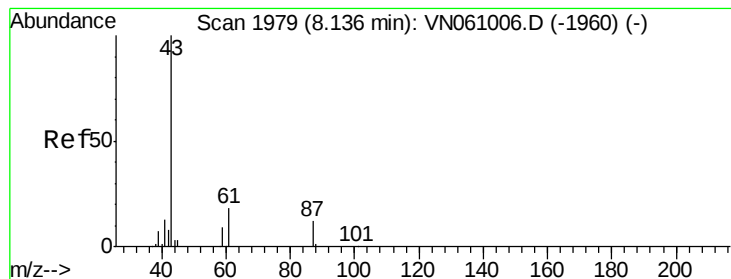
#42
1,2-Dichloroethane
Concen: 51.448 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VN061006.D (-1951) (-)
Ion 97.90 (97.60 to 98.60): VN061006.D (-1951) (-)





#43

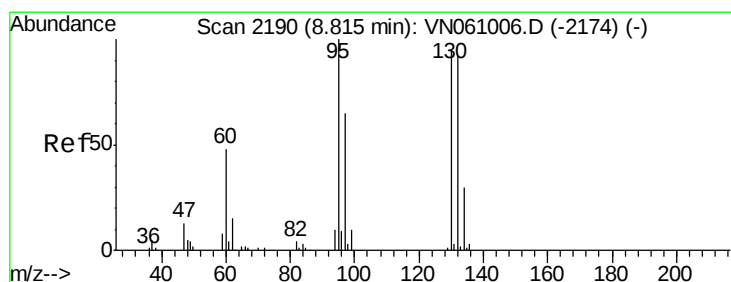
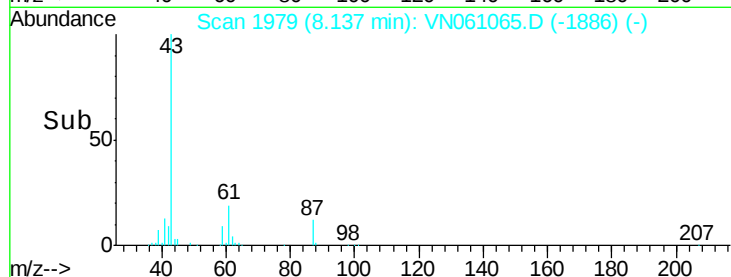
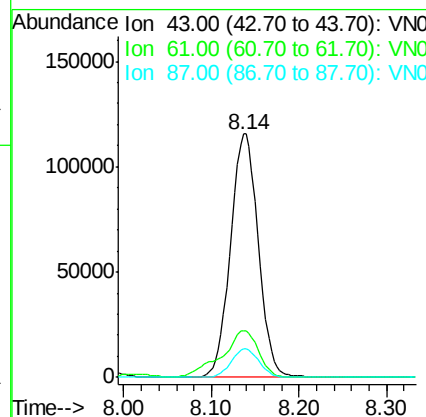
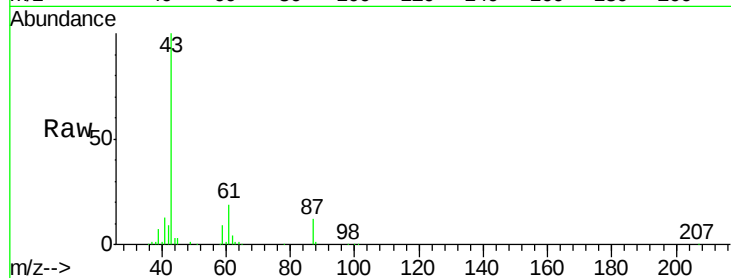
Isopropyl Acetate
 Concen: 52.650 ug/l
 RT: 8.14 min Scan# 1979
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.3	30.5
87	11.7	9.4	14.2

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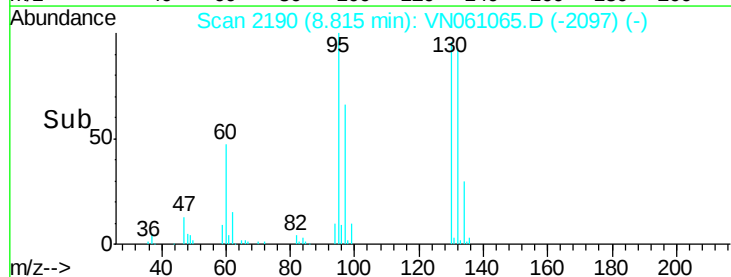
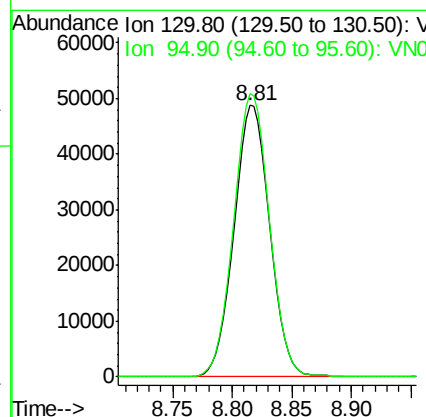
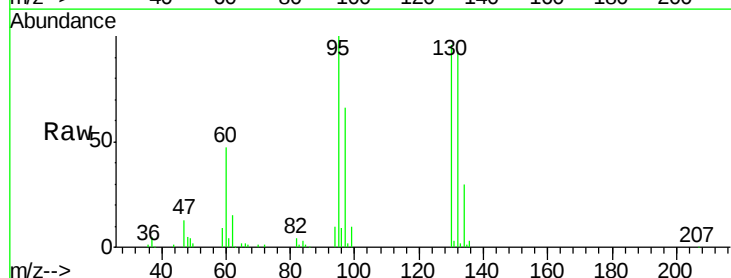
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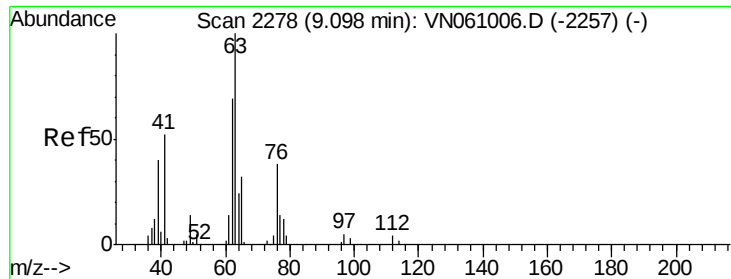


#44

Trichloroethene
 Concen: 49.870 ug/l
 RT: 8.81 min Scan# 2190
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.4	0.0	210.0





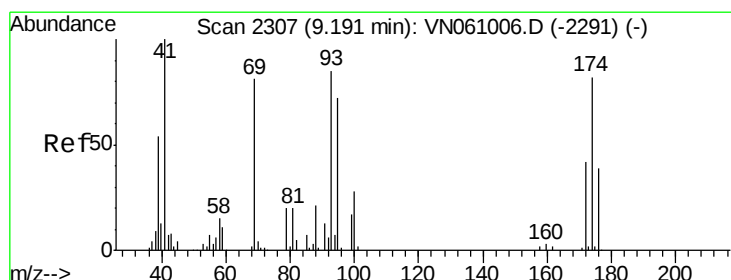
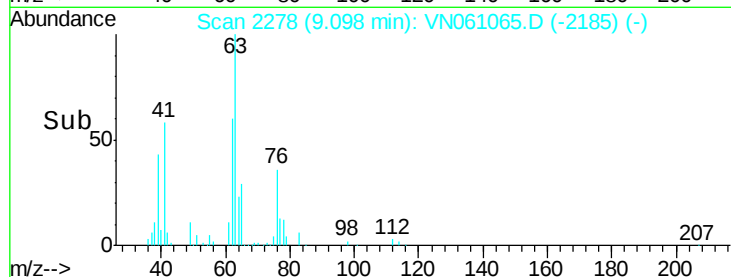
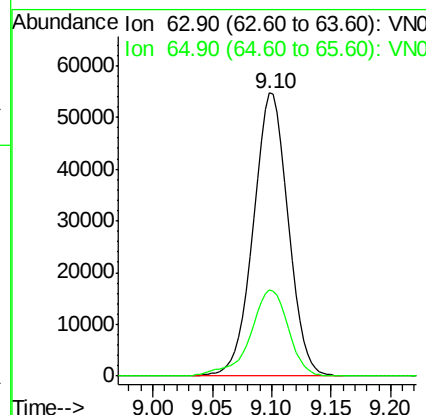
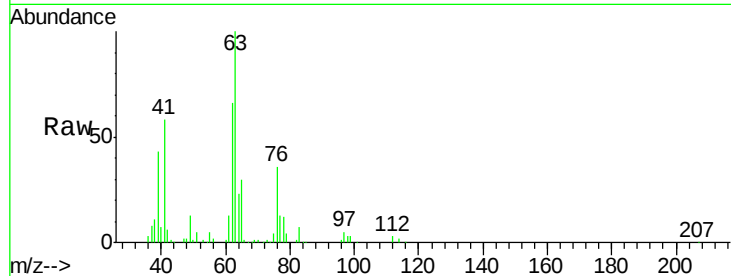
#45
 1,2-Dichloropropane
 Concen: 50.938 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 111316
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.2 37.8

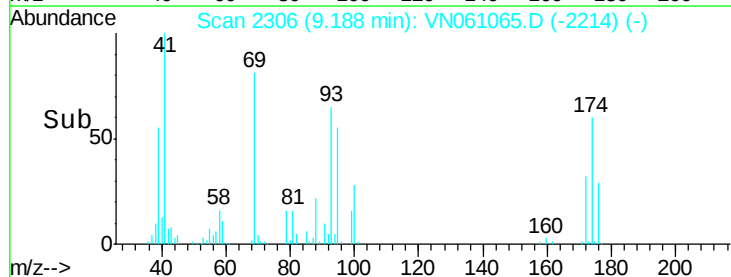
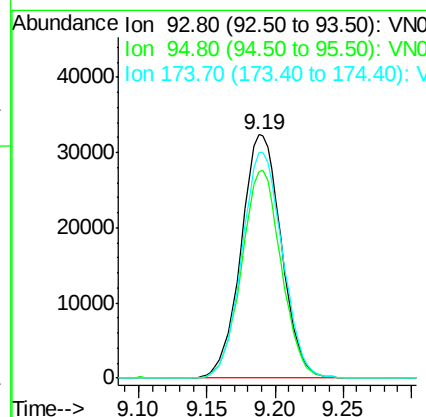
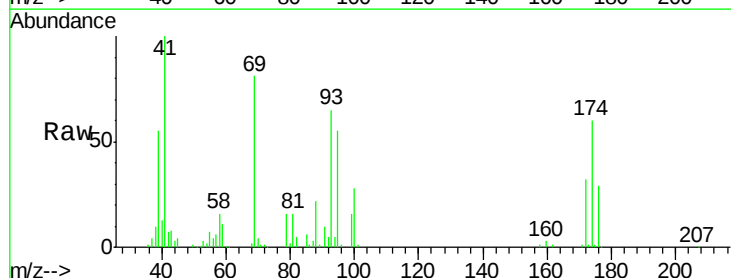
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#46
 Dibromomethane
 Concen: 52.487 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Tgt Ion: 93 Resp: 66133
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.8 100.2
 174 93.8 76.2 114.4





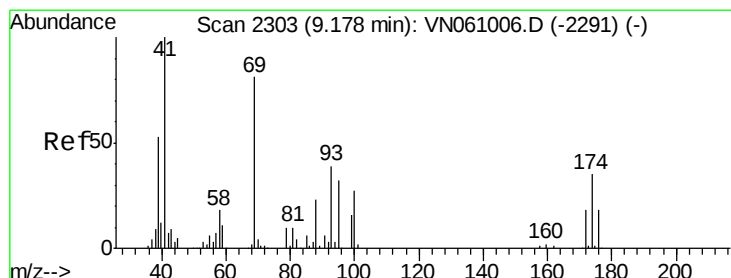
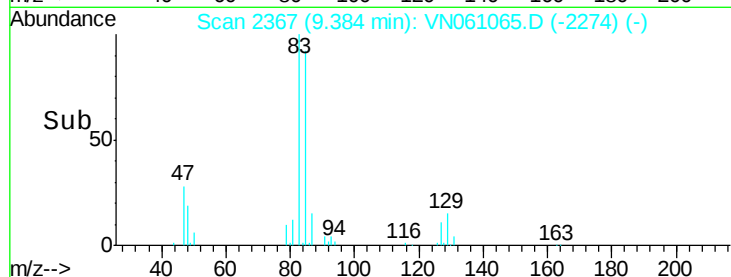
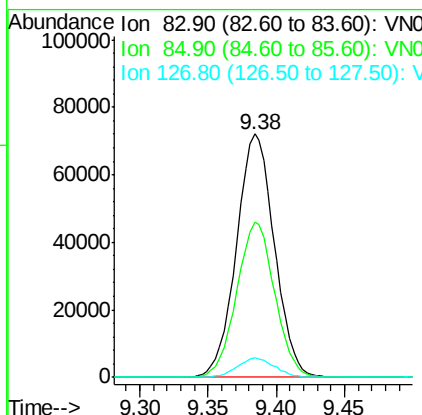
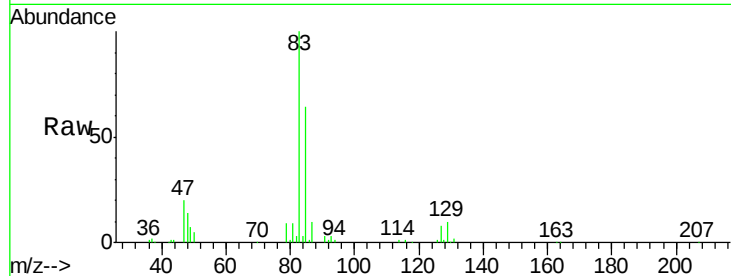
#47
Bromodichloromethane
Concen: 52.237 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	139043
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	50.6	76.0
127	7.9	6.1	9.1

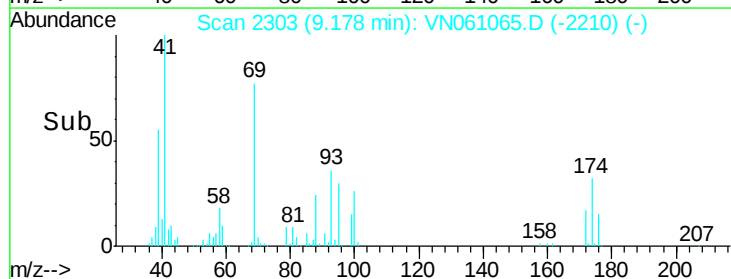
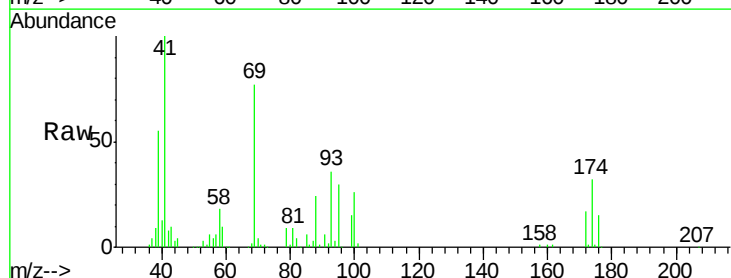
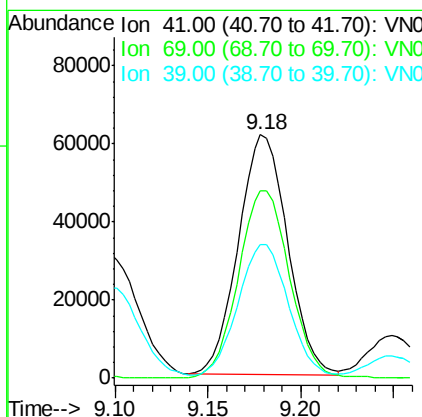
Manual Integrations
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4/20/2020 10:21:13 AM



#48
Methyl methacrylate
Concen: 53.689 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	41	Resp	114273
Ion Ratio	100	Lower	Upper
41	100		
69	81.0	65.3	97.9
39	55.0	45.2	67.8





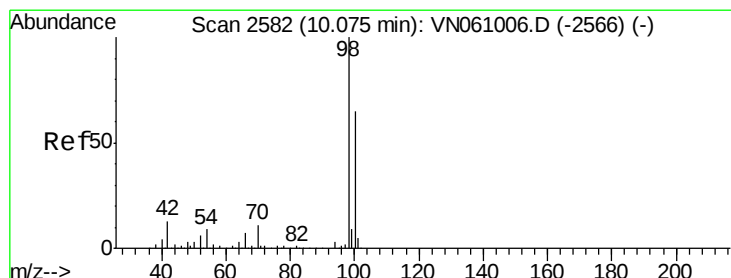
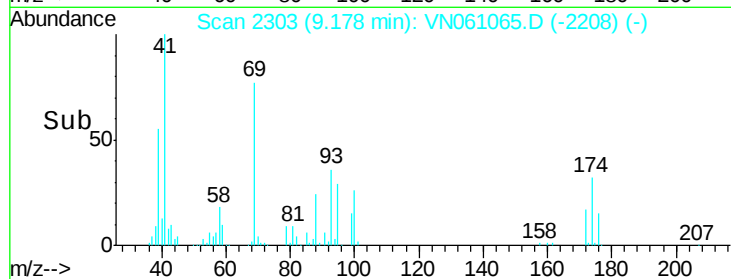
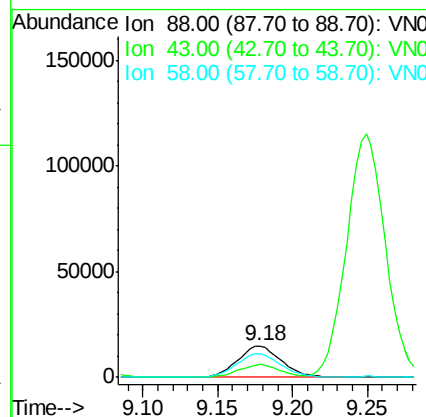
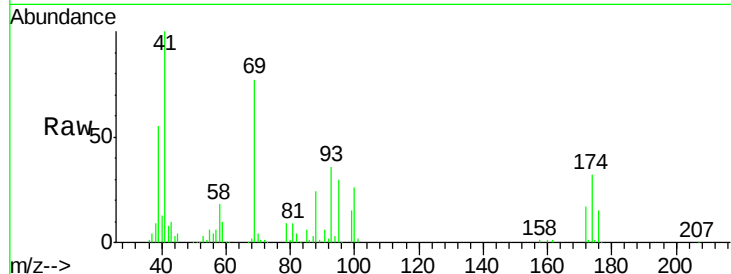
#49
1,4-Dioxane
Concen: 1015.877 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.3	30.9	46.3
58	76.2	59.8	89.8

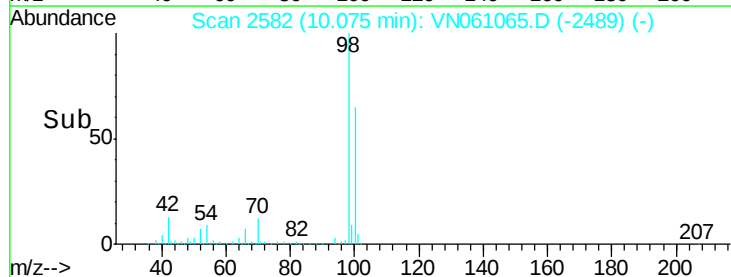
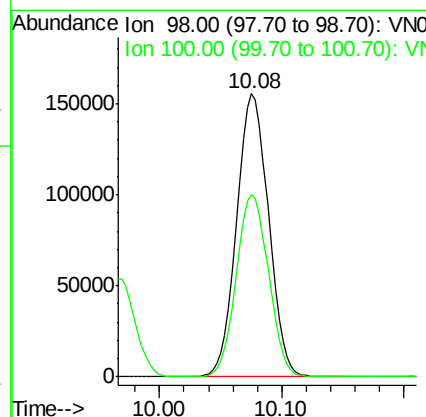
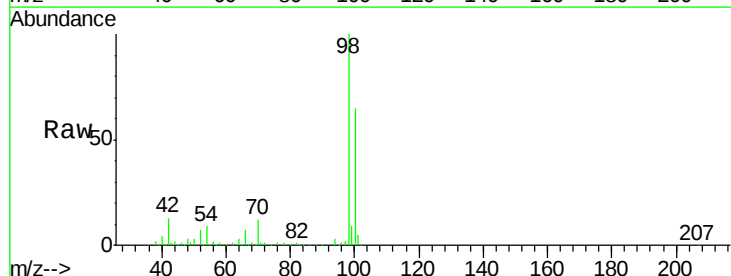
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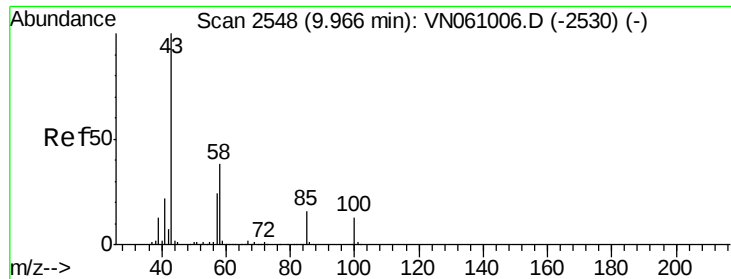
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#50
Toluene-d8
Concen: 48.526 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 274.482 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 762074

Ion Ratio Lower Upper

43 100

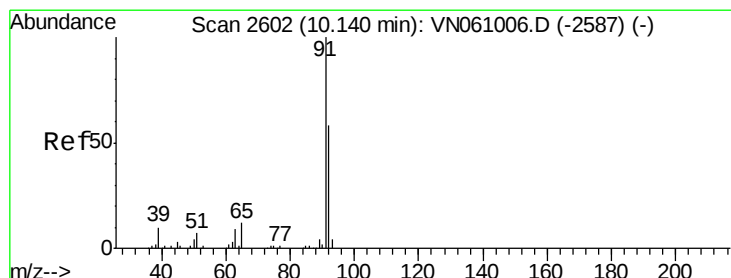
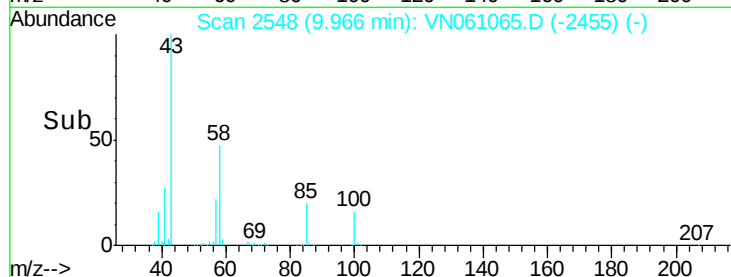
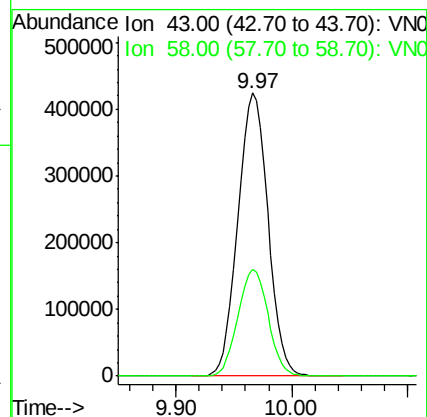
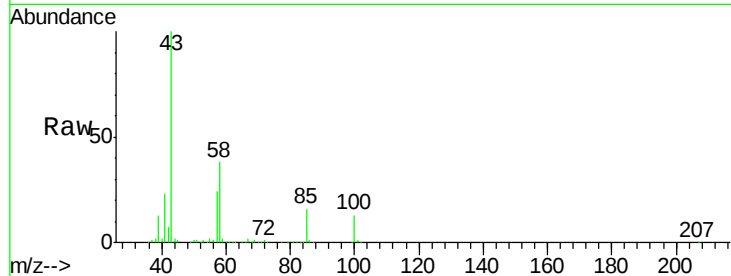
58 37.8 30.3 45.5

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#52

Toluene

Concen: 50.402 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. 0.00 min

Lab File: VN061065.D

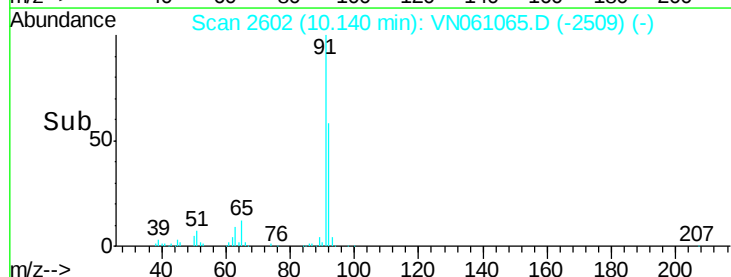
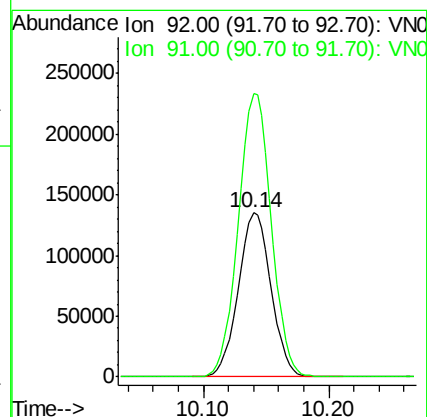
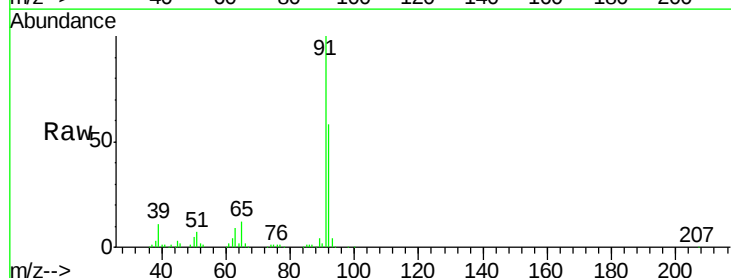
Acq: 17 Apr 2020 20:41

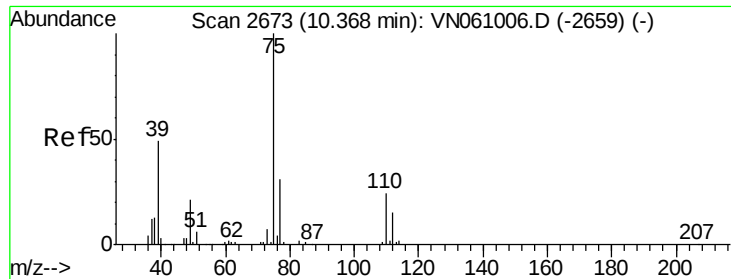
Tgt Ion: 92 Resp: 244638

Ion Ratio Lower Upper

92 100

91 174.3 137.7 206.5





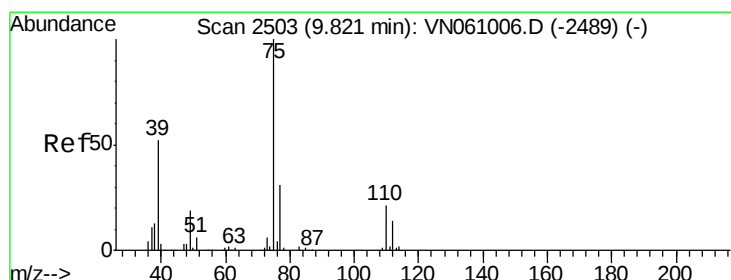
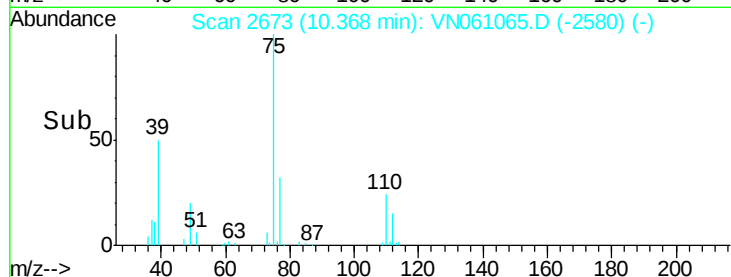
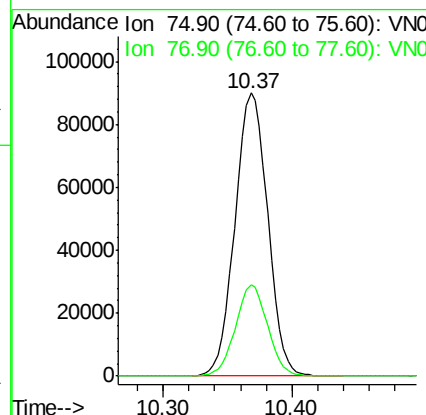
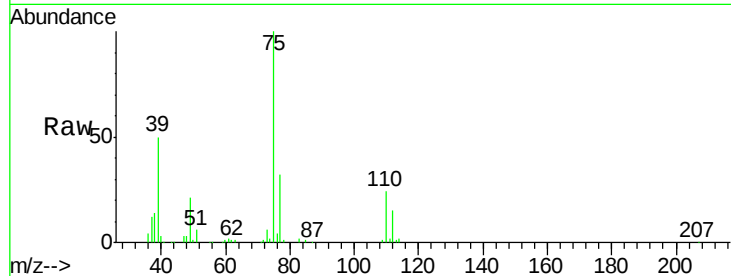
#53
t-1,3-Dichloropropene
Concen: 51.361 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 75 Resp: 158800
Ion Ratio Lower Upper
75 100
77 32.0 25.0 37.6

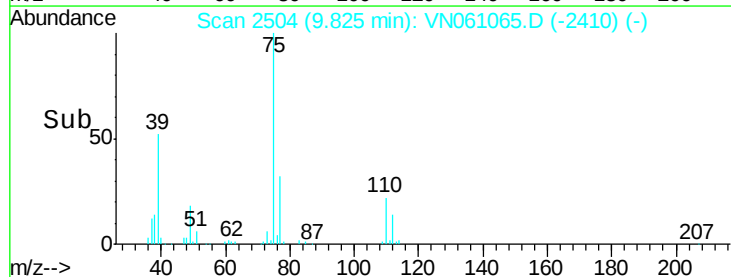
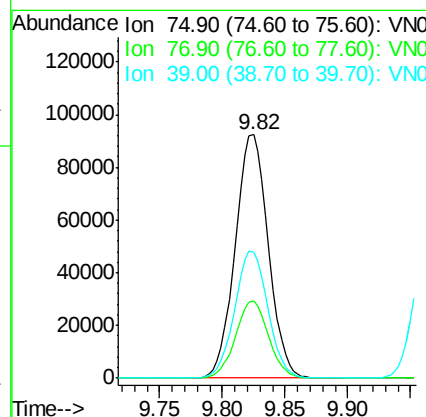
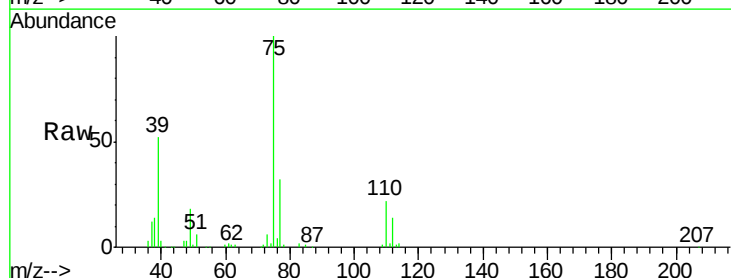
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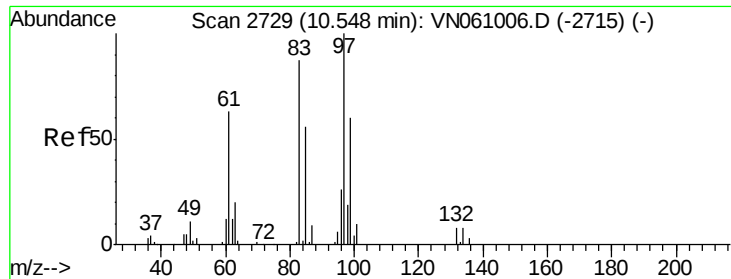
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#54
cis-1,3-Dichloropropene
Concen: 50.189 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion: 75 Resp: 169313
Ion Ratio Lower Upper
75 100
77 31.9 25.0 37.6
39 51.6 41.4 62.2





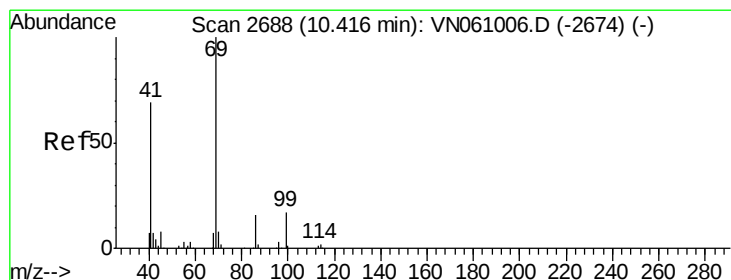
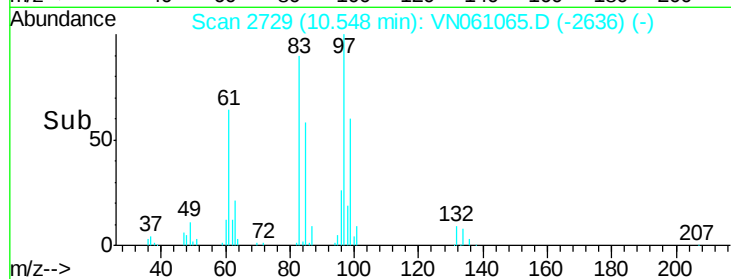
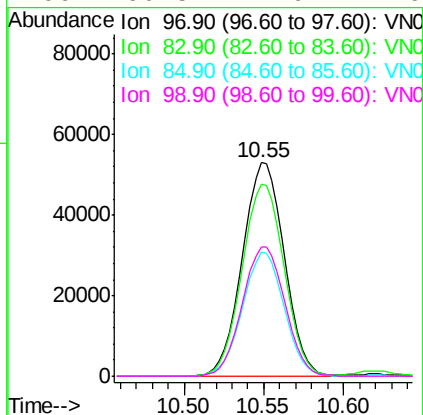
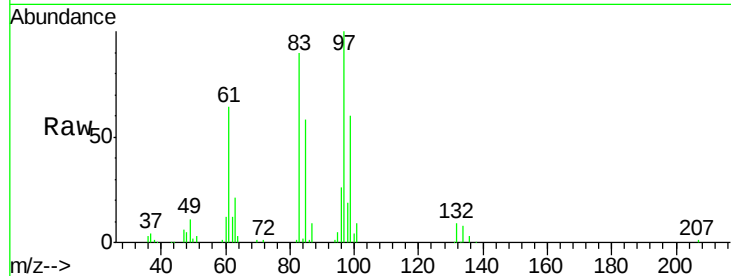
#55
 1,1,2-Trichloroethane
 Concen: 51.777 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	95106
Ion	Ratio	Lower	Upper
97	100		
83	90.1	69.5	104.3
85	58.0	45.0	67.4
99	60.5	47.9	71.9

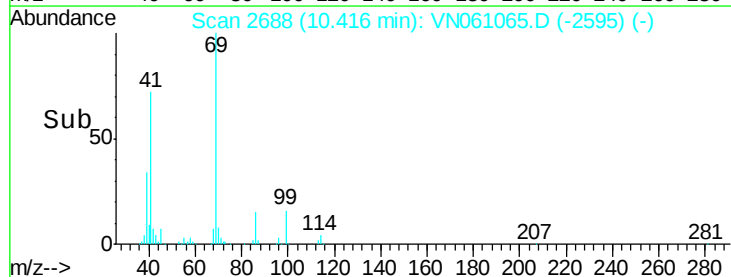
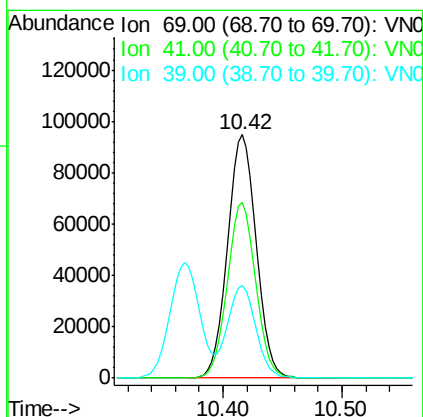
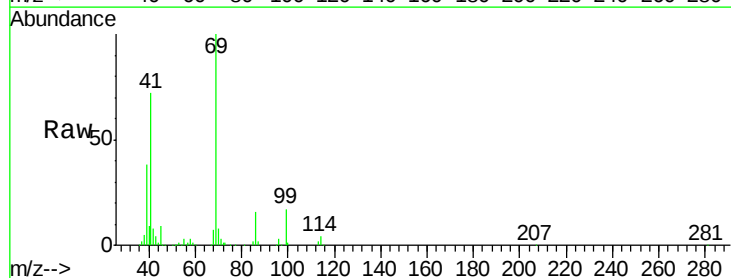
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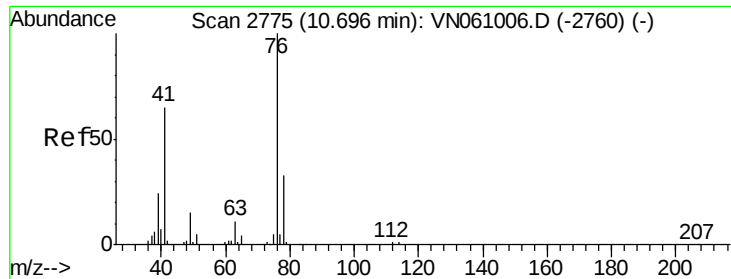
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#56
 Ethyl methacrylate
 Concen: 54.926 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Tgt Ion:	69	Resp:	158647
Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.7	85.1
39	37.1	29.4	44.0





#57

1,3-Dichloropropane

Concen: 51.207 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 167772

Ion Ratio Lower Upper

76 100

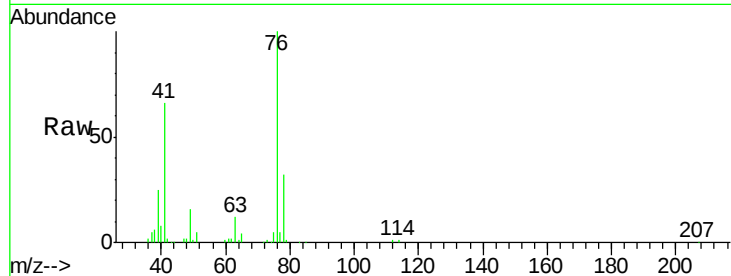
78 31.6 25.4 38.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

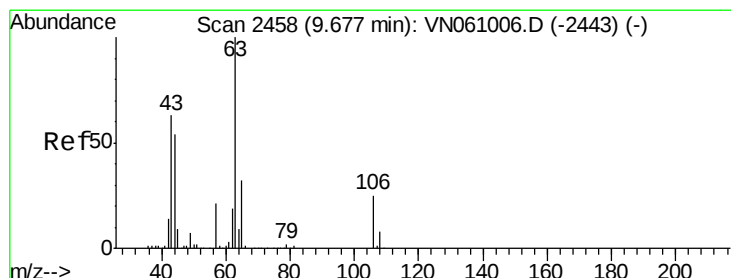
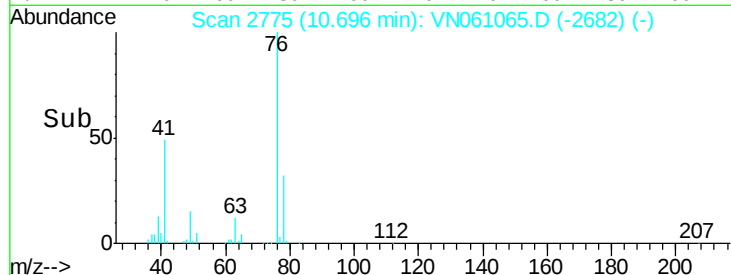
60000

40000

20000

0

Time--> 10.60 10.70



#58

2-Chloroethyl Vinyl ether

Concen: 274.412 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. 0.00 min

Lab File: VN061065.D

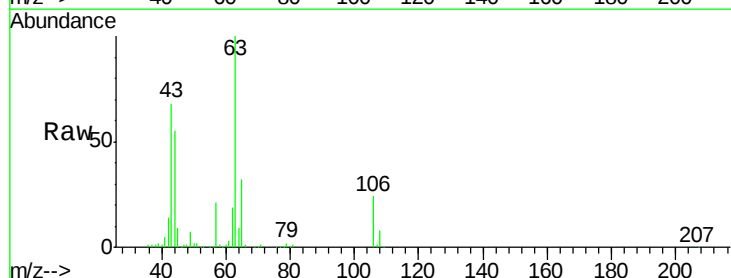
Acq: 17 Apr 2020 20:41

Tgt Ion: 63 Resp: 360159

Ion Ratio Lower Upper

63 100

106 24.1 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

200000

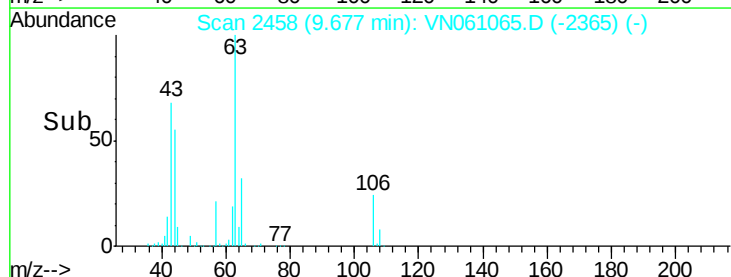
150000

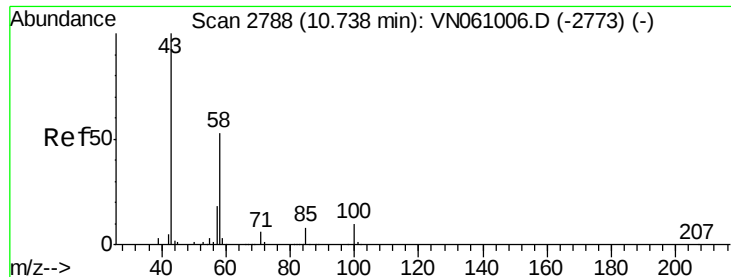
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80





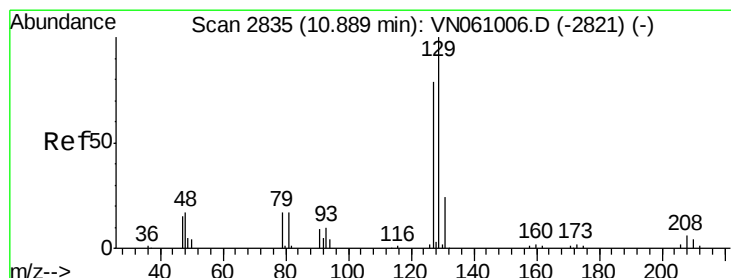
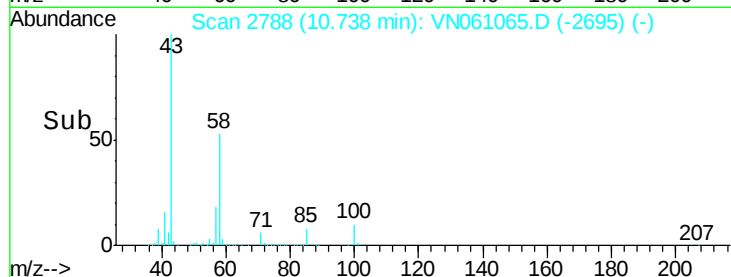
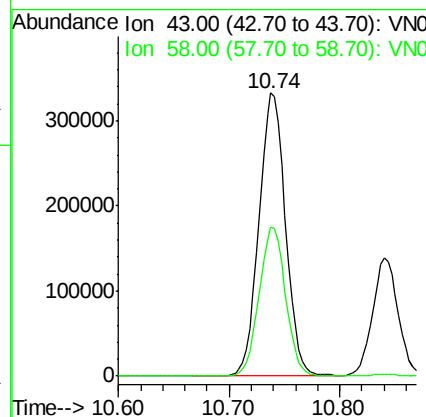
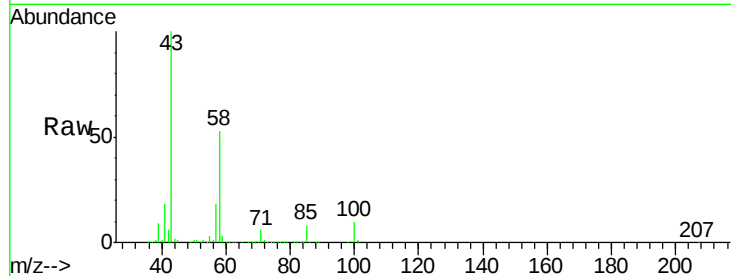
#59
2-Hexanone
Concen: 277.096 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 554827
Ion Ratio Lower Upper
43 100
58 52.8 26.4 79.0

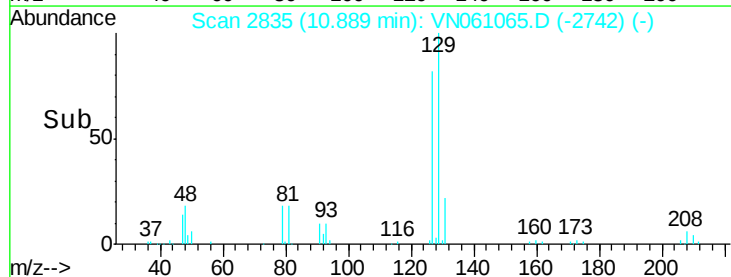
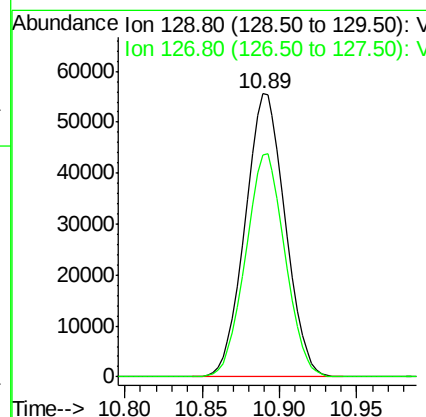
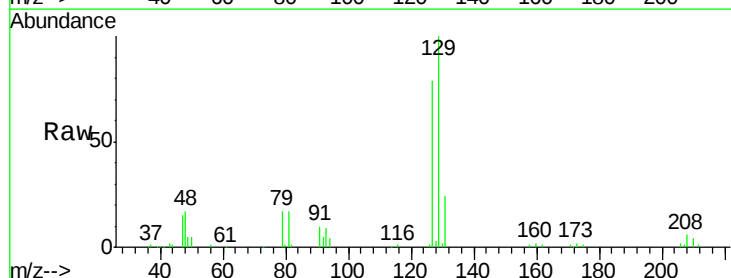
Manual Integrations
APPROVED

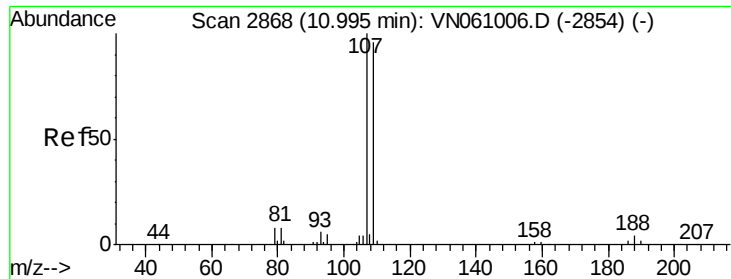
MMDadoda
4/20/2020 10:21:13 AM



#60
Dibromochloromethane
Concen: 53.117 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion: 129 Resp: 100225
Ion Ratio Lower Upper
129 100
127 77.5 39.0 116.9





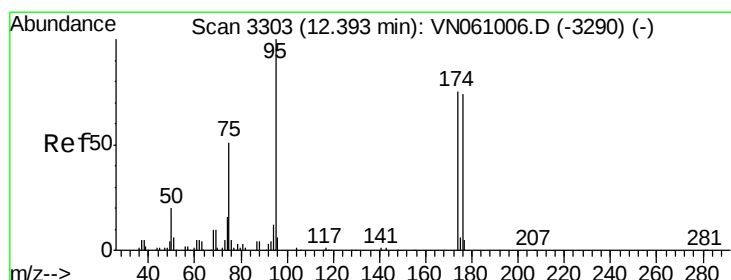
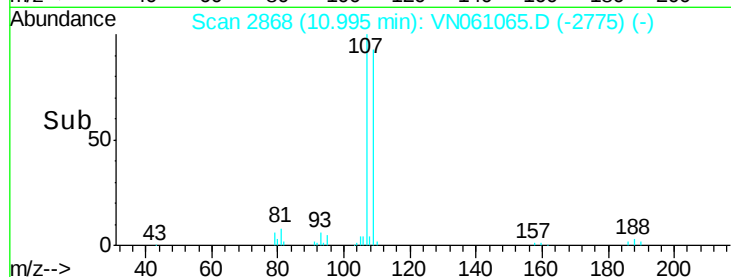
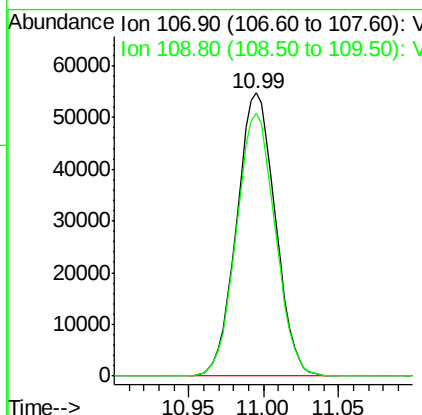
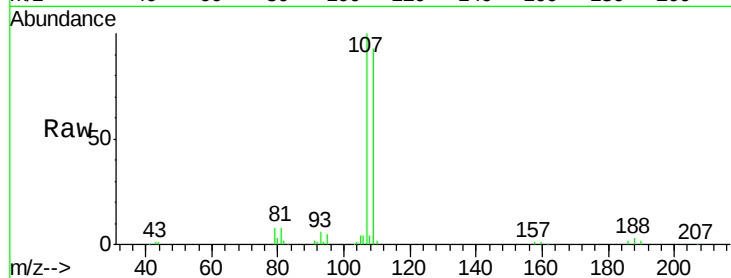
#61
 1,2-Dibromoethane
 Concen: 52.611 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 98472
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.9 113.9

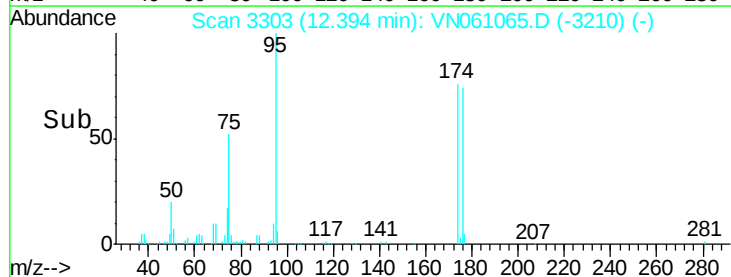
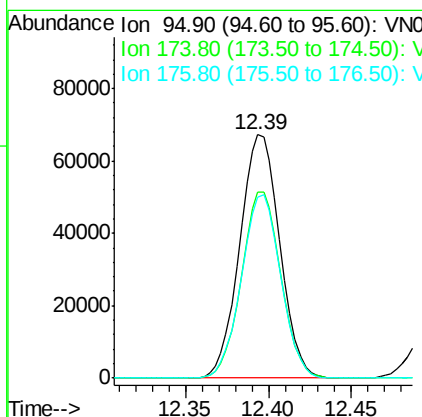
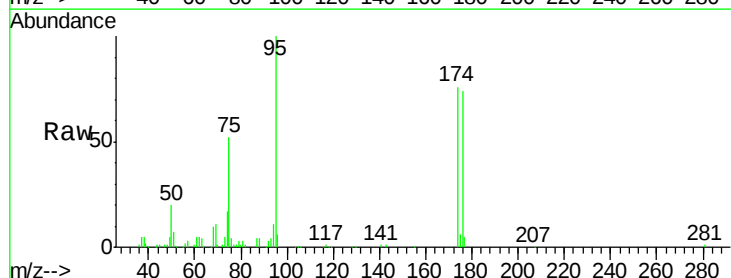
Manual Integrations
 APPROVED

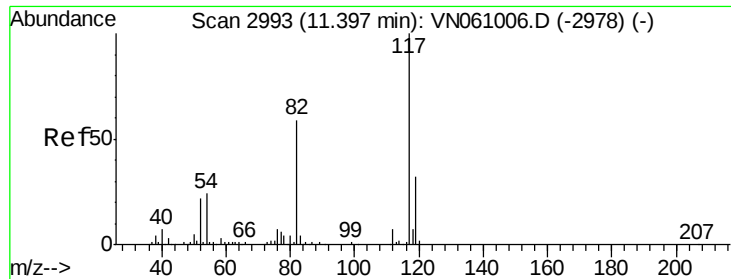
MMDadoda
 4/20/2020 10:21:13 AM



#62
 4-Bromofluorobenzene
 Concen: 49.450 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Tgt Ion: 95 Resp: 113035
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 151.2
 176 74.0 0.0 148.2





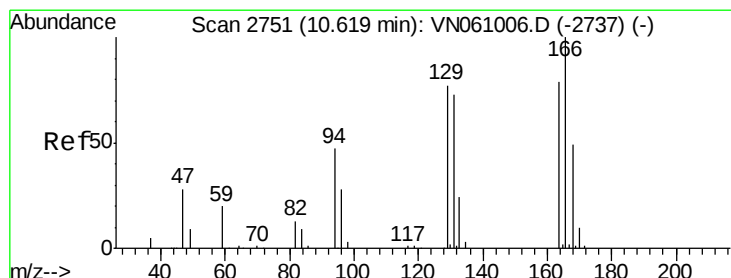
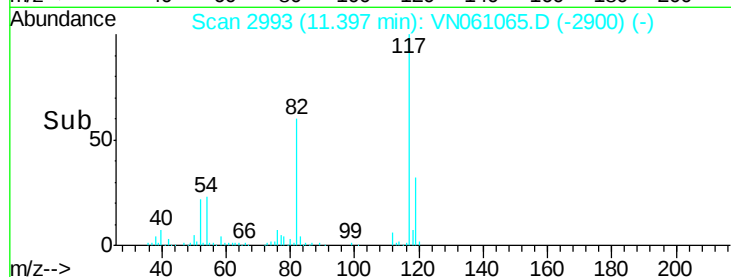
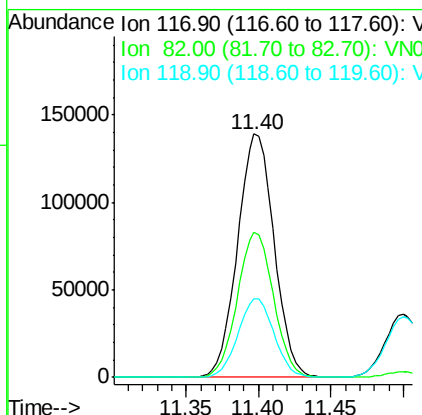
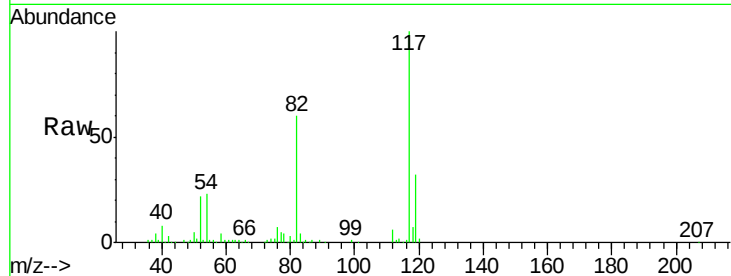
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.1	70.7
119	32.5	25.7	38.5

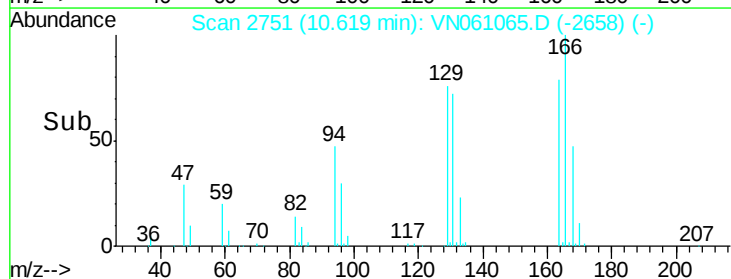
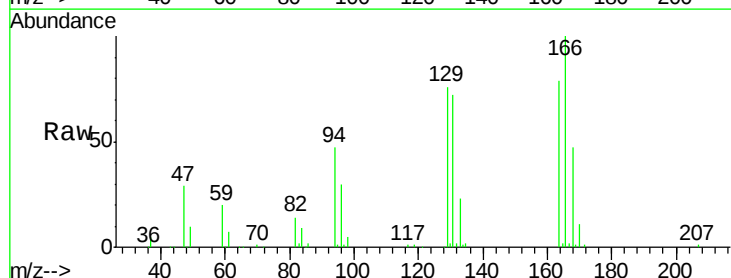
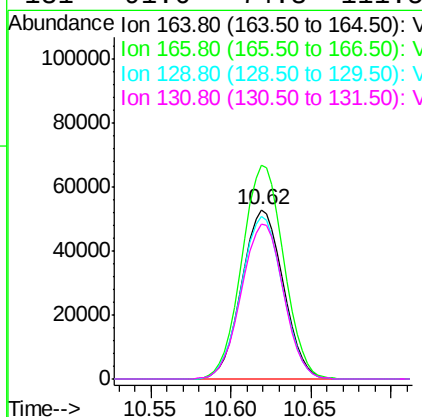
Manual Integrations
APPROVED

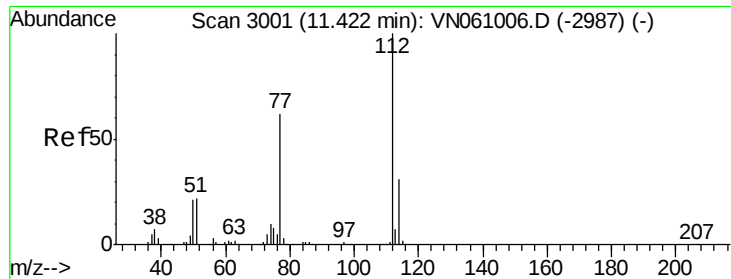
MMDadoda
4/20/2020 10:21:13 AM



#64
Tetrachloroethene
Concen: 50.334 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	101.6	152.4
129	96.3	78.5	117.7
131	91.6	74.3	111.5





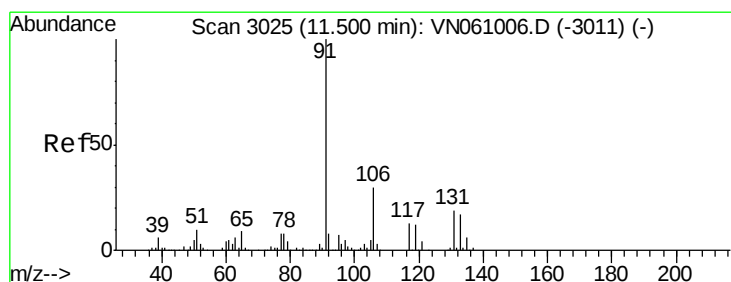
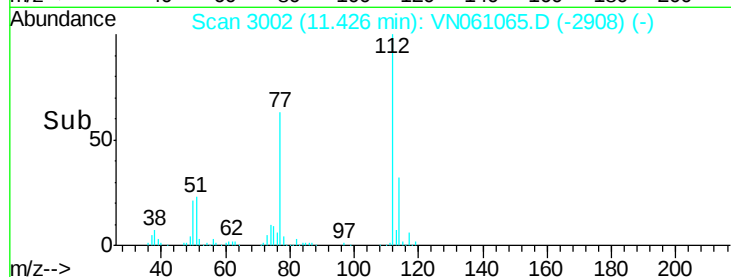
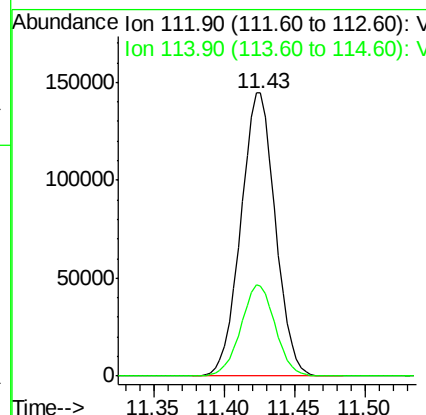
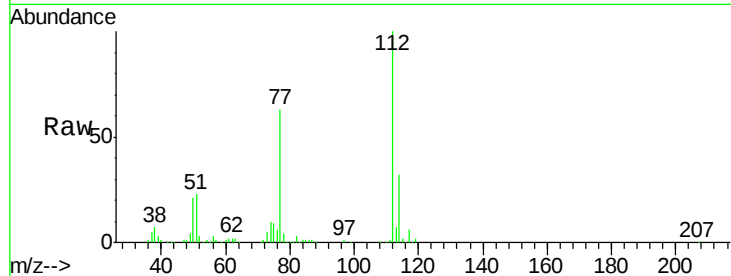
#65
Chlorobenzene
Concen: 49.246 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.1	37.7

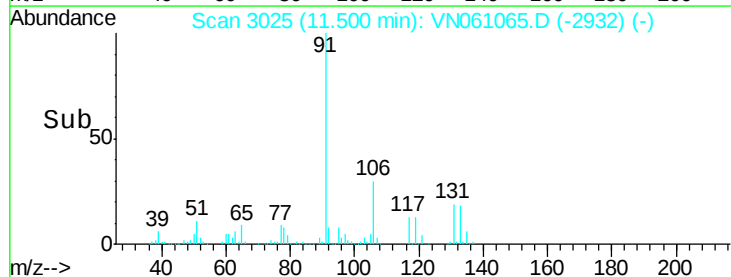
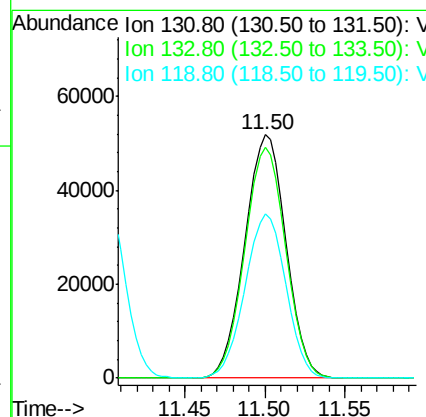
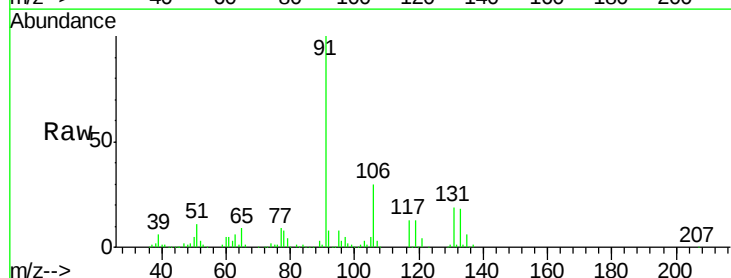
Manual Integrations
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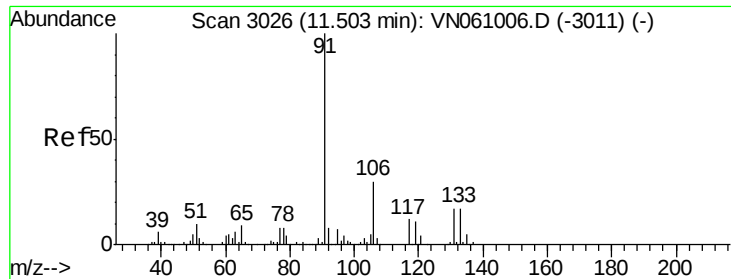
MMDadoda
4/20/2020 10:21:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.576 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.9	143.8
119	66.9	33.3	99.8





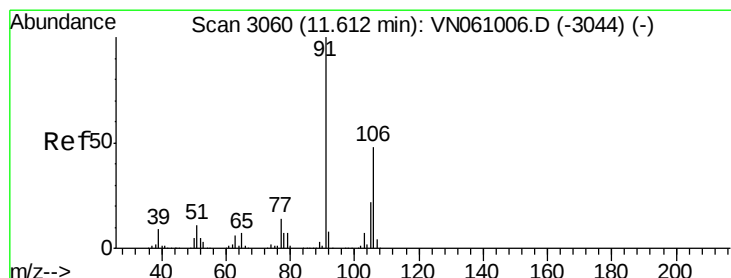
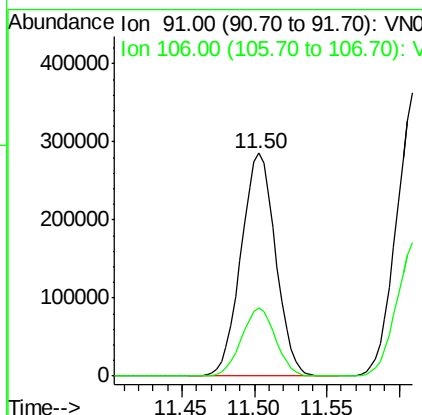
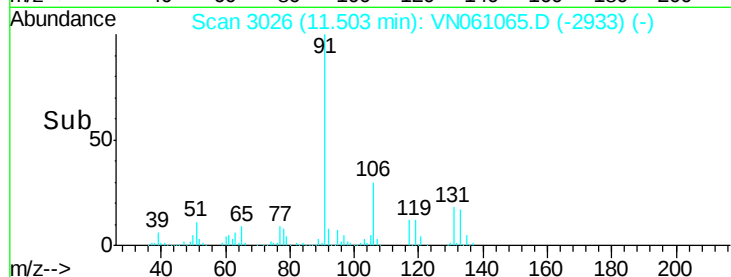
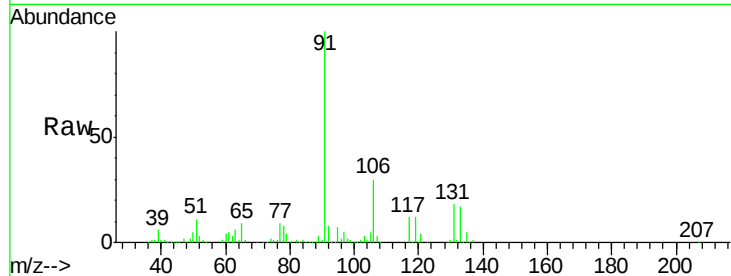
#67
Ethyl Benzene
Concen: 49.995 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 473308
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.8

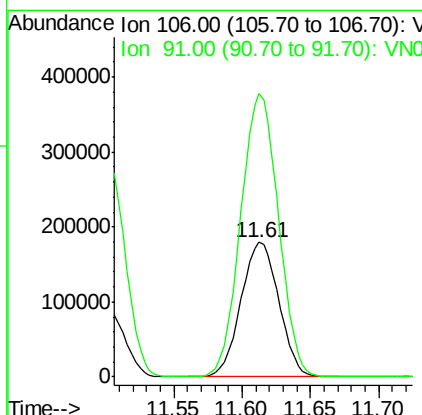
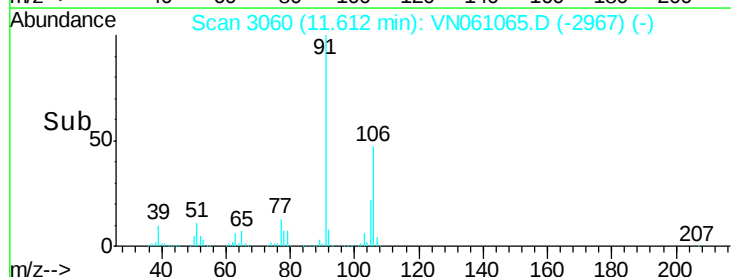
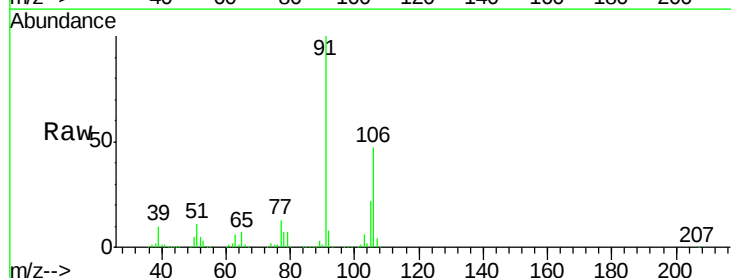
Manual Integrations
APPROVED

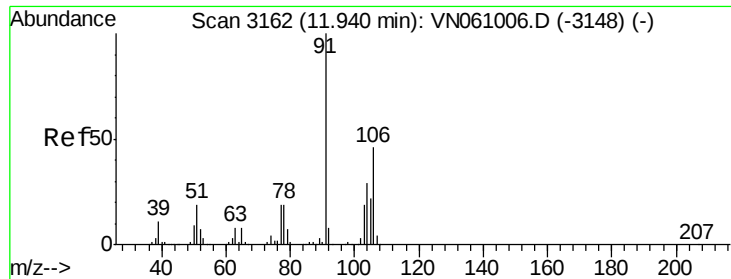
MMDadoda
4/20/2020 10:21:13 AM



#68
m/p-Xylenes
Concen: 100.993 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion: 106 Resp: 345536
Ion Ratio Lower Upper
106 100
91 210.0 167.9 251.9





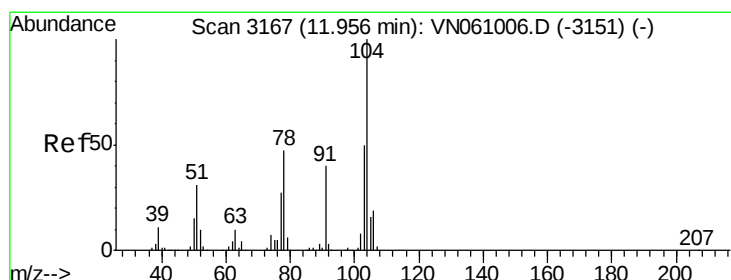
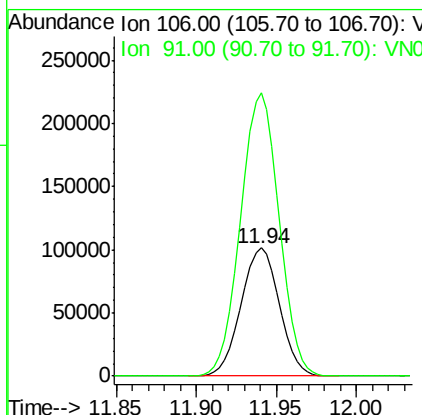
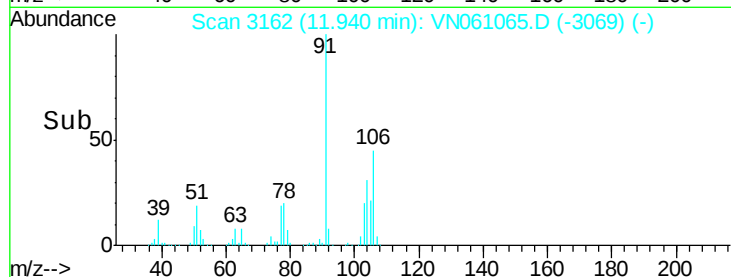
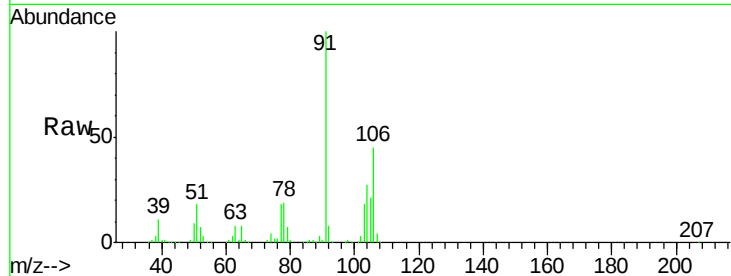
#69
o-Xylene
Concen: 50.420 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		165862		
91	221.6	110.7	332.1		

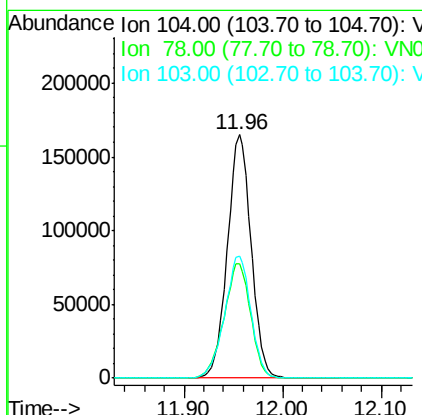
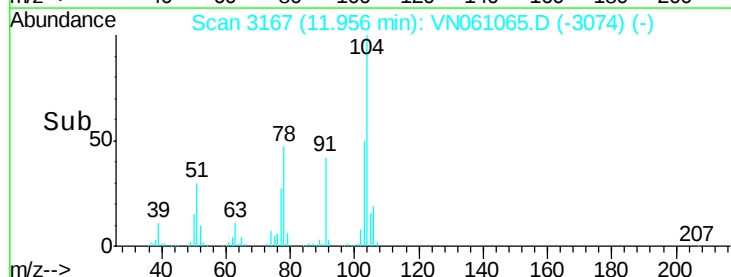
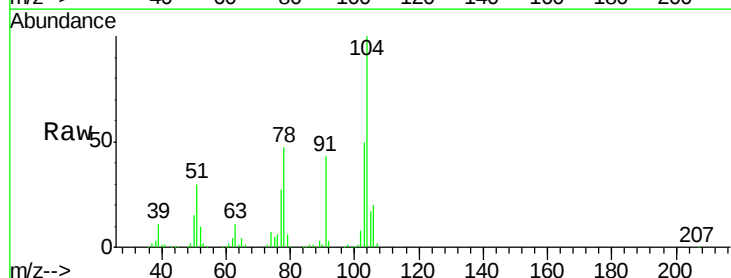
Manual Integrations
APPROVED

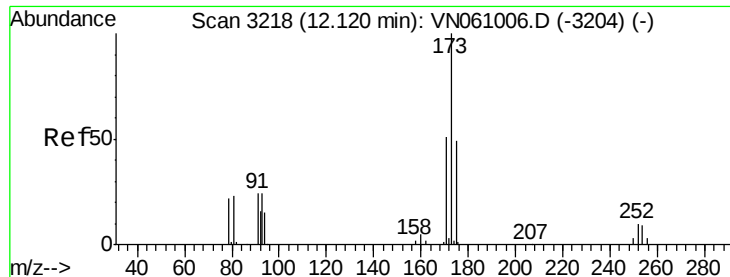
MMDadoda
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#70
Styrene
Concen: 52.547 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		278287		
78	52.8	42.2	63.4		
103	55.1	44.4	66.6		





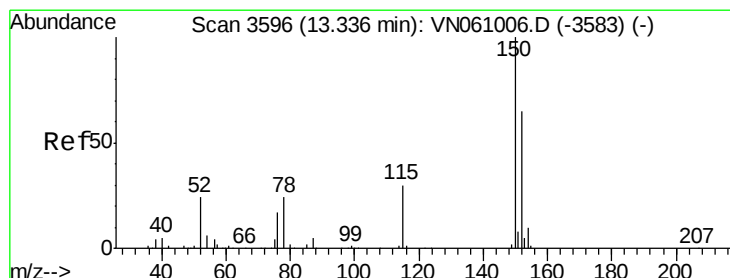
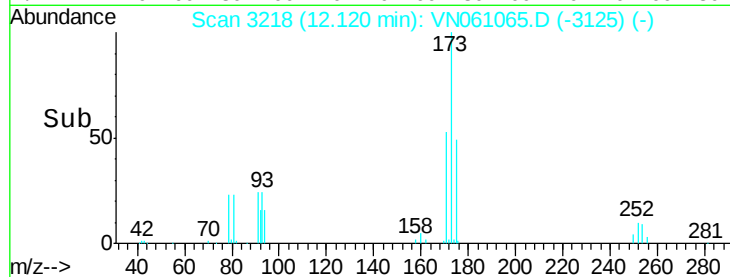
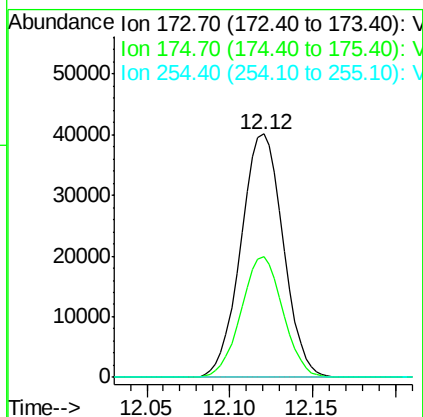
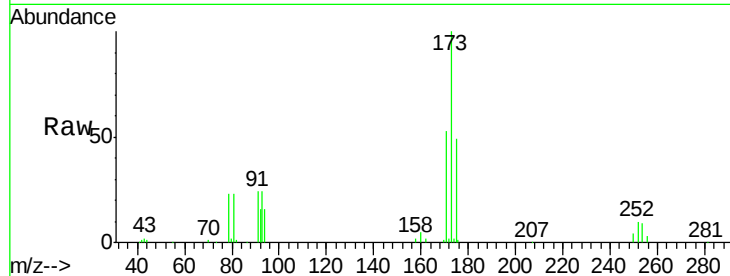
#71
Bromoform
Concen: 53.116 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.5	73.5
254	0.0	0.0	0.0

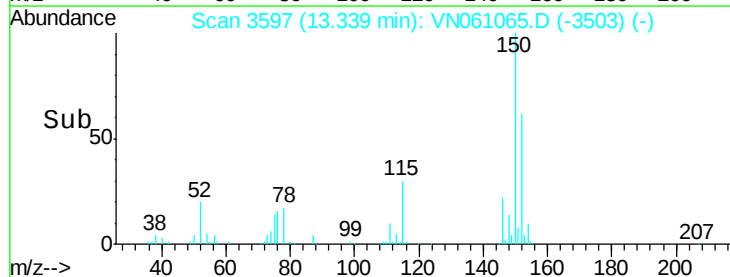
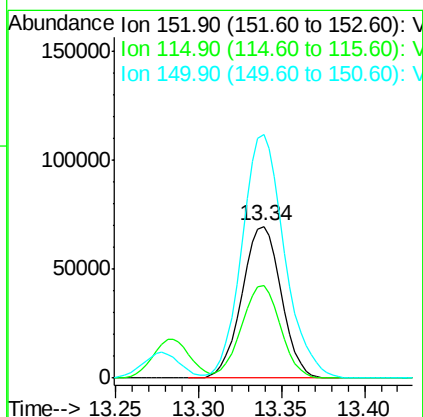
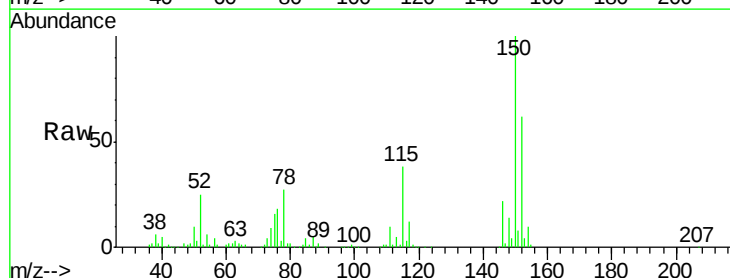
Manual Integrations
APPROVED

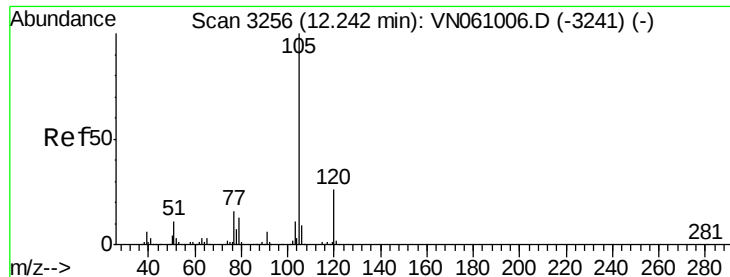
MMDadoda
4/20/2020 10:21:13 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.8	92.4
150	173.3	0.0	349.0





#73

Isopropylbenzene

Concen: 48.582 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 446716

Ion Ratio Lower Upper

105 100

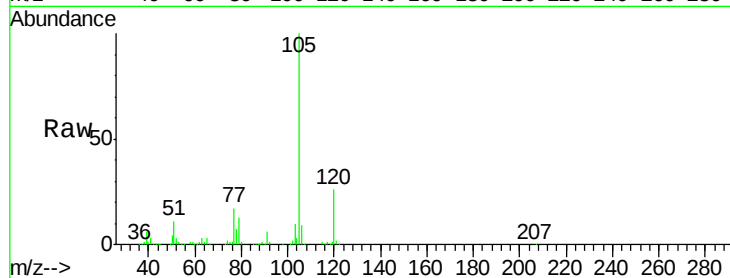
120 26.0 13.0 38.9

Manual Integrations

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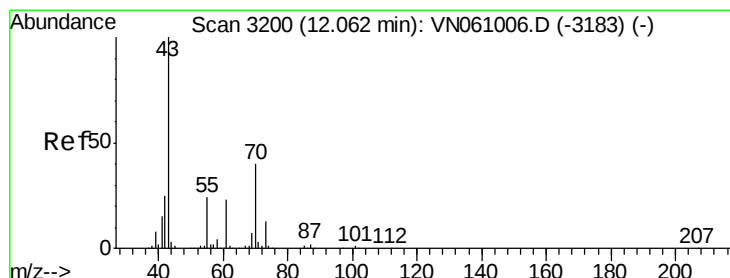
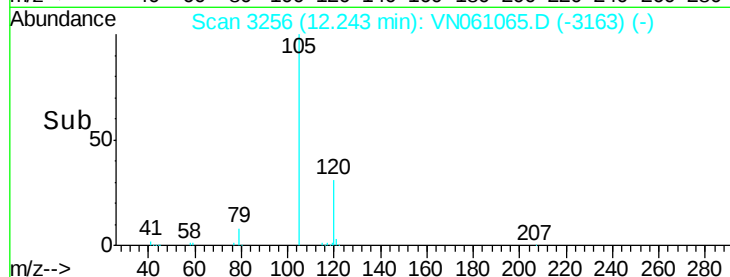
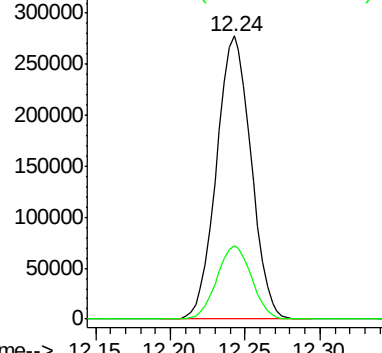
MMDadoda

4/20/2020 10:21:13 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.099 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Tgt Ion: 43 Resp: 218499

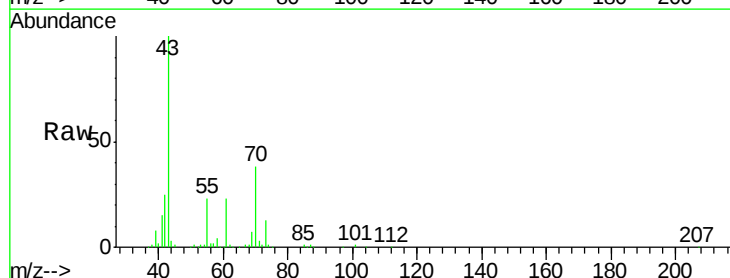
Ion Ratio Lower Upper

43 100

70 38.1 31.0 46.6

55 23.2 18.6 27.8

61 23.0 18.2 27.4

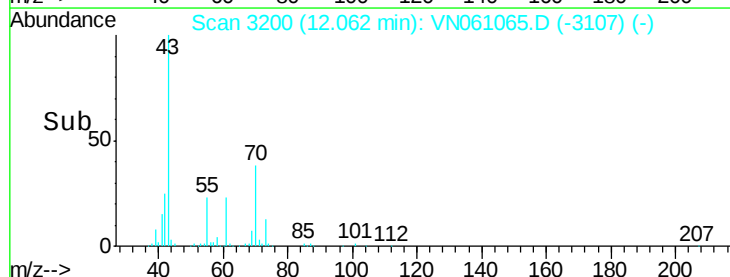
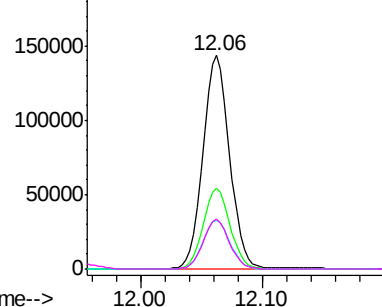


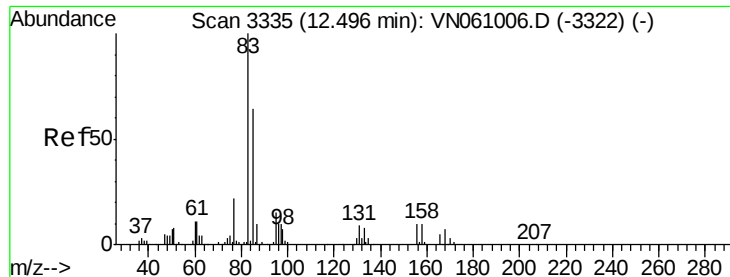
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.269 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

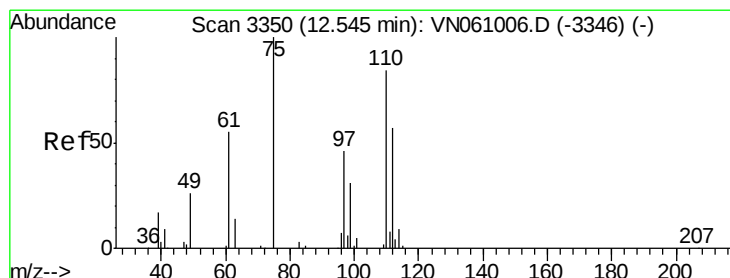
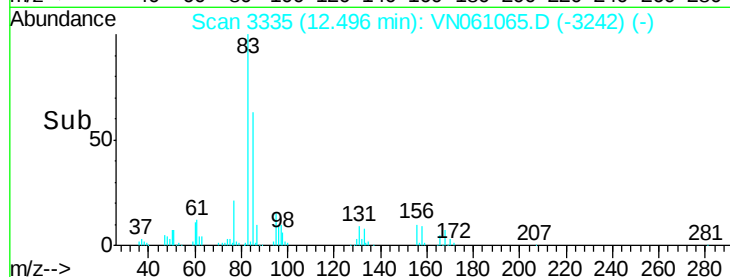
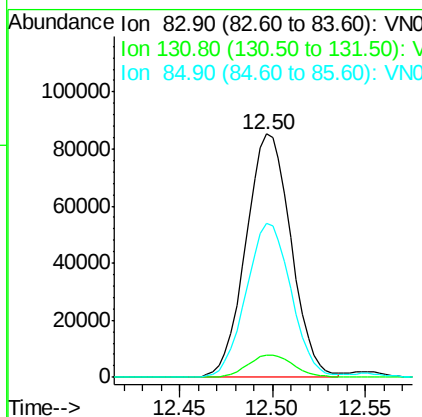
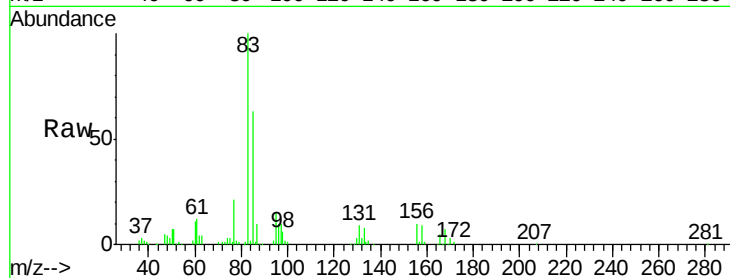
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	143904
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	63.3	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.300 ug/l m

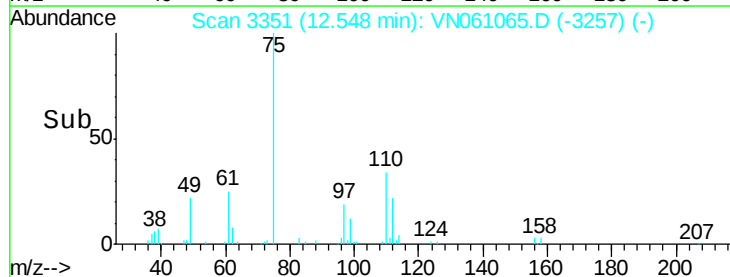
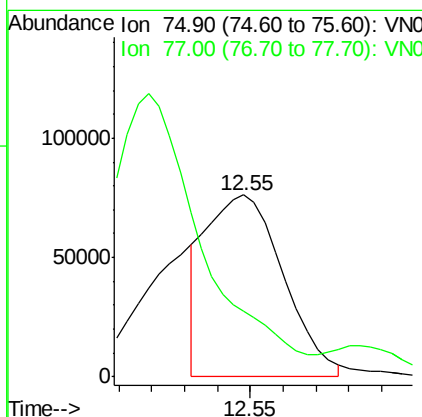
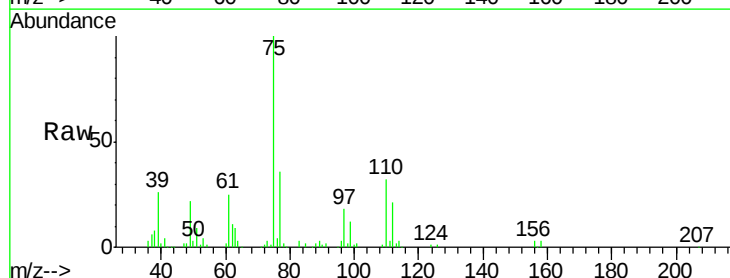
RT: 12.55 min Scan# 3351

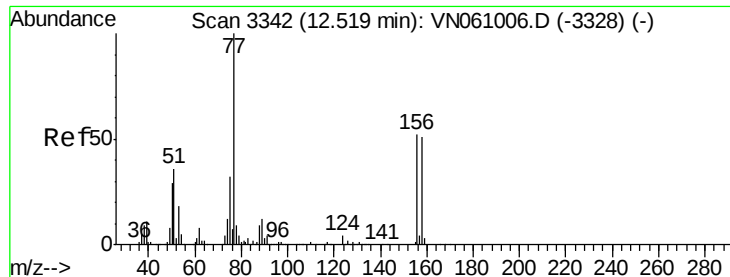
Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Tgt Ion:	75	Resp:	124460
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





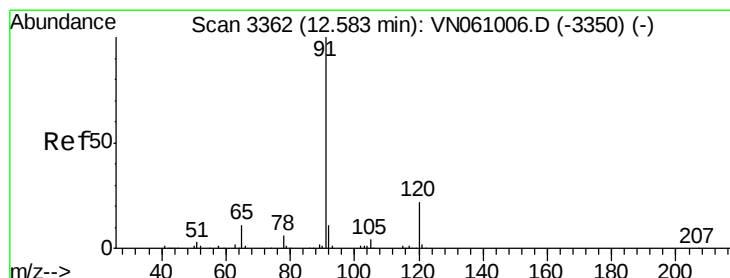
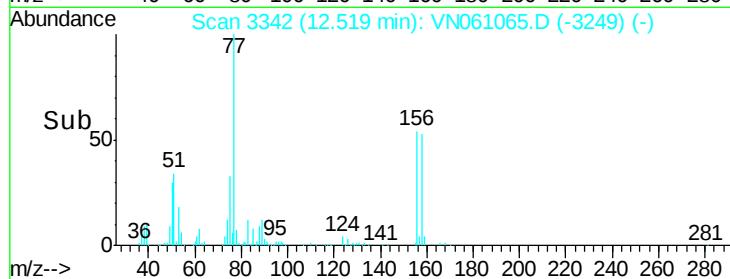
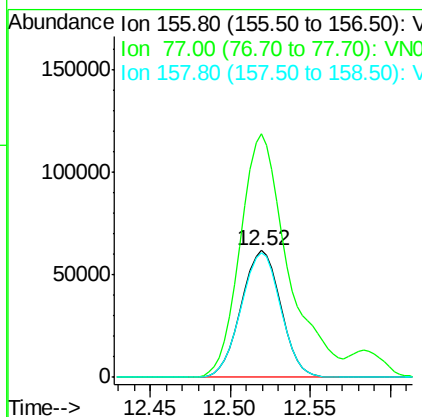
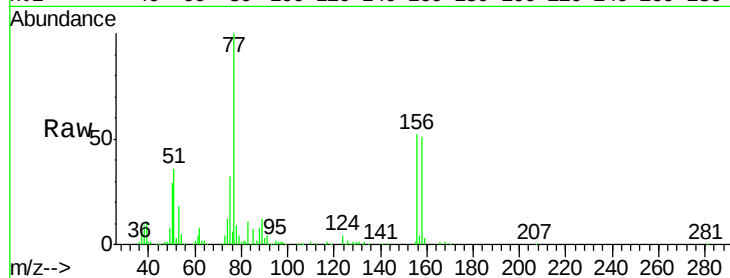
#77
Bromobenzene
Concen: 48.602 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	232.5	115.6	346.8
158	98.1	48.9	146.6

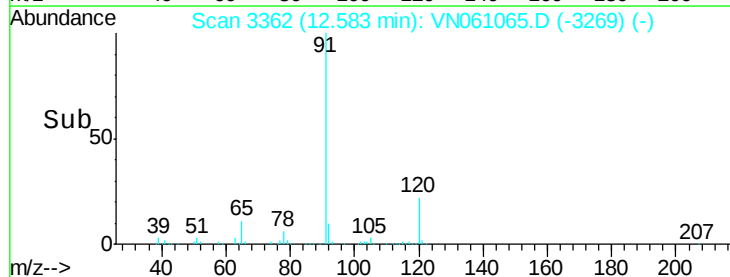
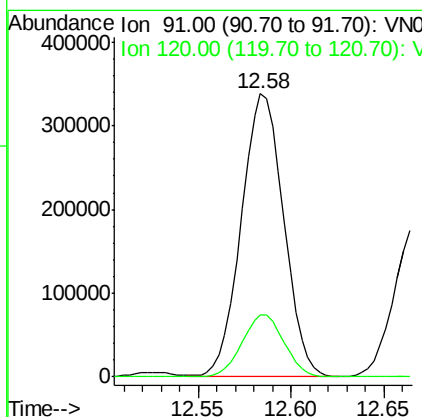
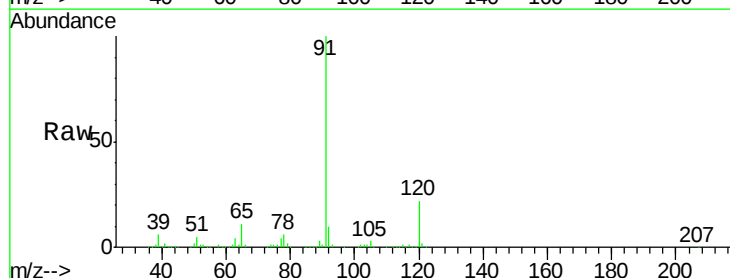
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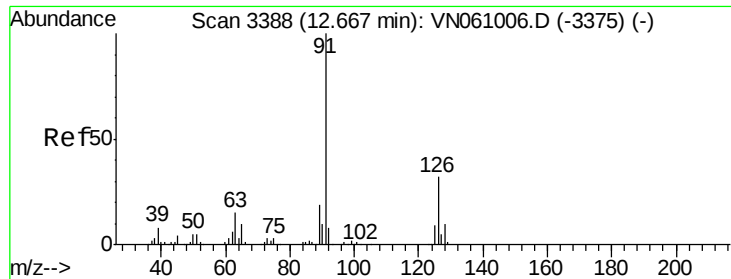
MMDadoda
4/20/2020 10:21:13 AM



#78
n-propylbenzene
Concen: 49.794 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	10.9	32.7





#79

2-Chlorotoluene

Concen: 49.149 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 310110

Ion Ratio Lower Upper

91 100

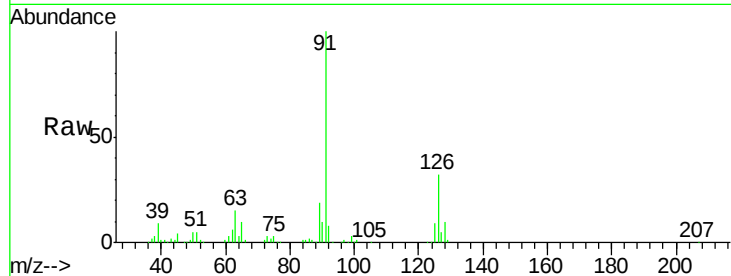
126 32.4 16.1 48.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN061006.D (-3375) (-)

Ion 125.90 (125.60 to 126.60): VN061006.D (-3375) (-)

300000

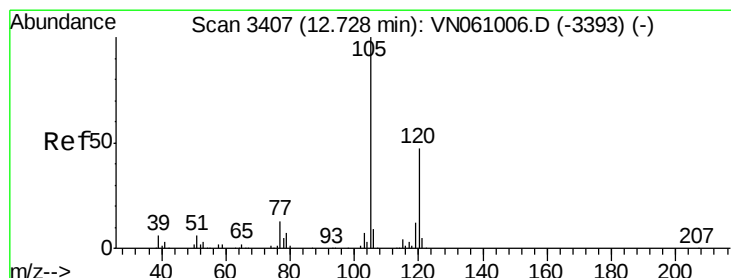
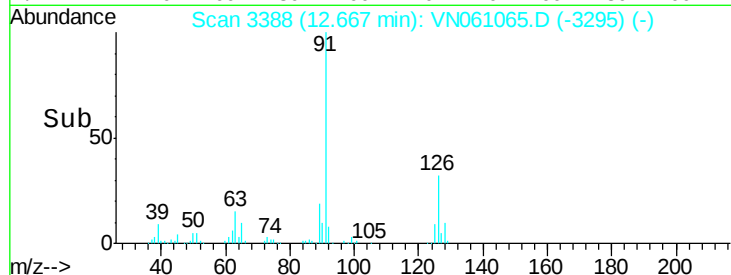
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.673 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN061065.D

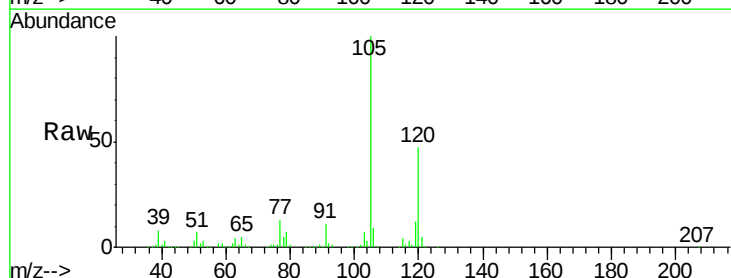
Acq: 17 Apr 2020 20:41

Tgt Ion:105 Resp: 377535

Ion Ratio Lower Upper

105 100

120 47.3 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): VN061006.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN061006.D (-3393) (-)

250000

200000

150000

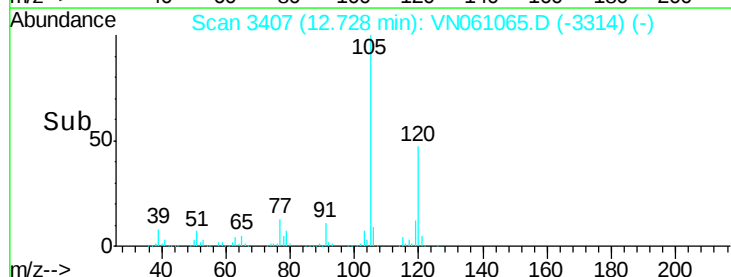
100000

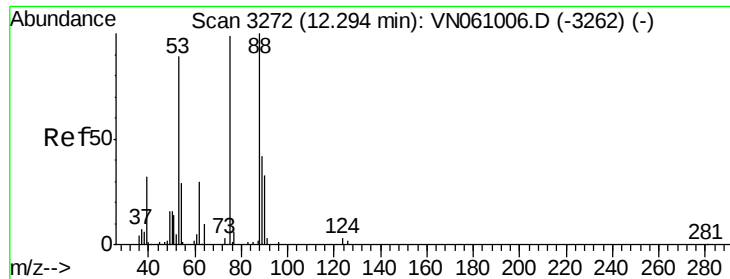
50000

0

12.65 12.70 12.75 12.80

Time-->





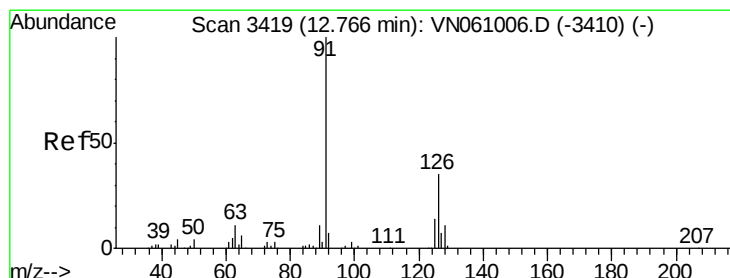
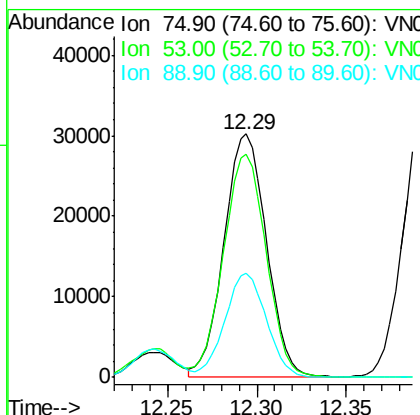
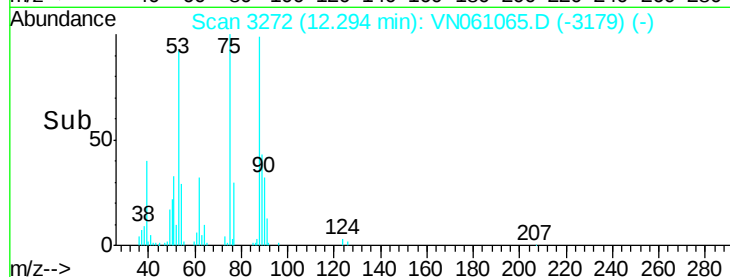
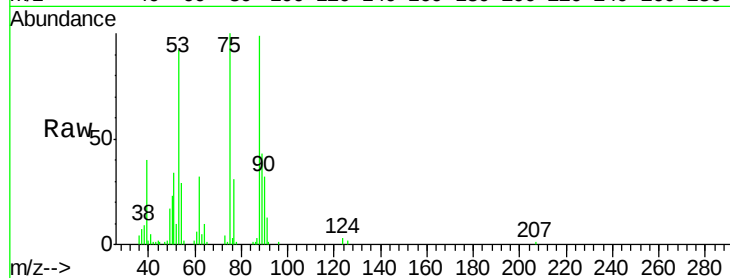
#81
trans-1,4-Dichloro-2-butene
Concen: 48.868 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.3	74.7	112.1
89	41.6	34.6	52.0

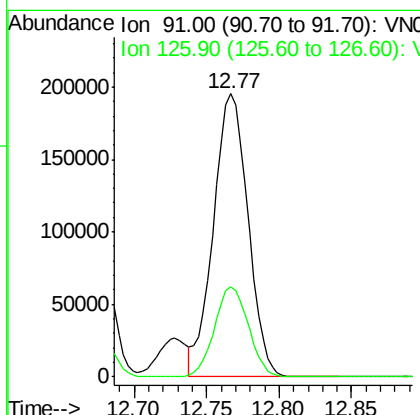
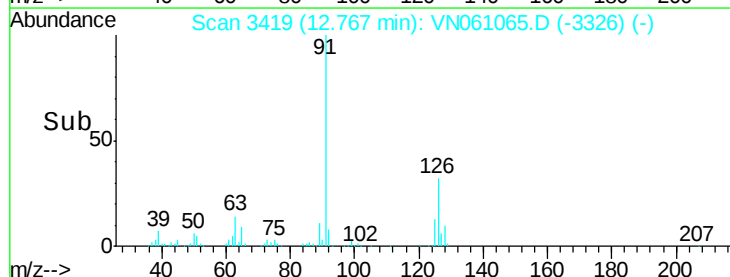
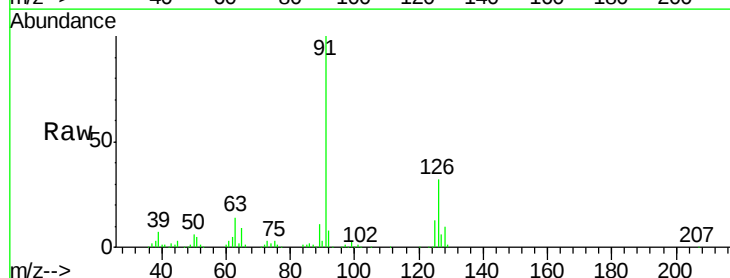
Manual Integrations
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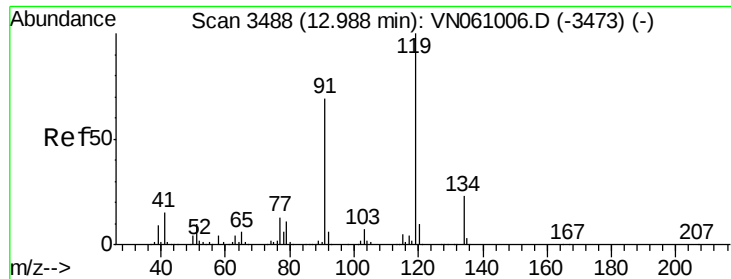
MMDadoda
4/20/2020 10:21:13 AM



#82
4-Chlorotoluene
Concen: 49.627 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.3	15.9	47.6





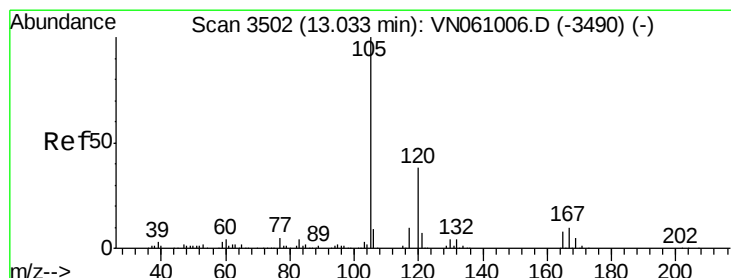
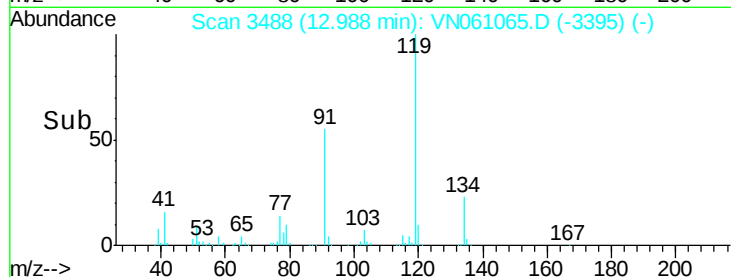
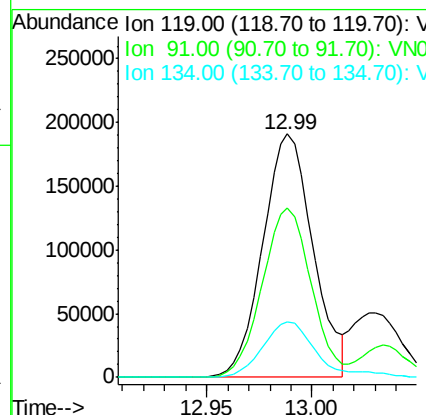
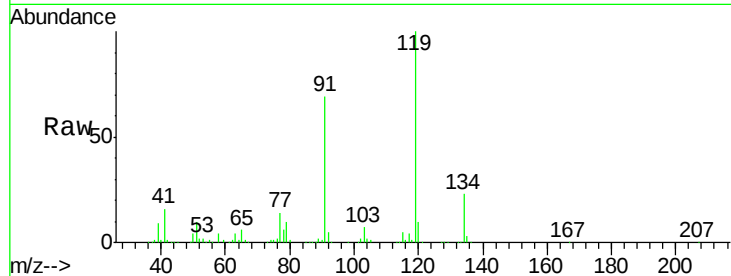
#83
tert-Butylbenzene
Concen: 49.496 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	34.1	102.3
134	24.5	12.4	37.2

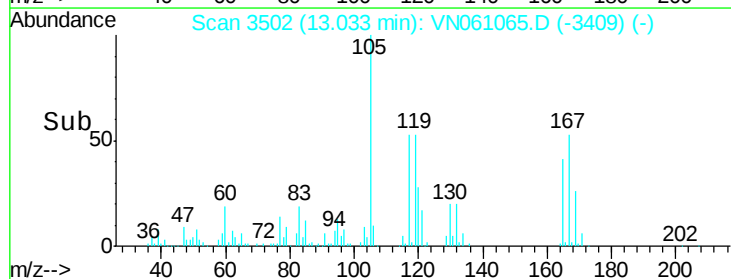
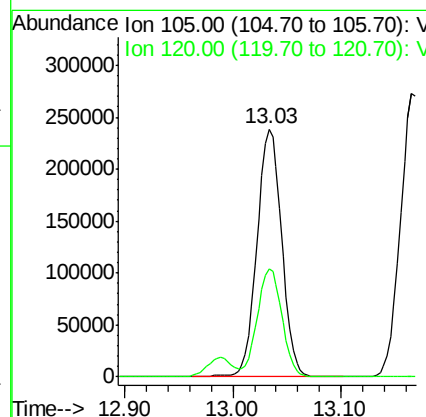
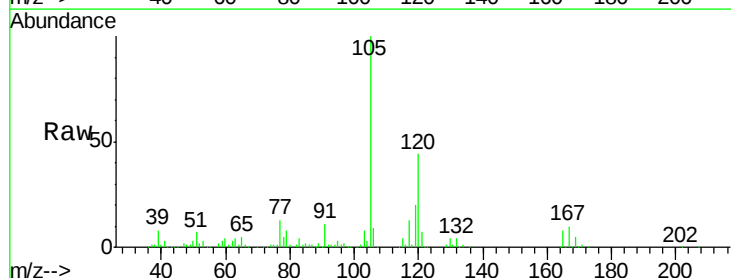
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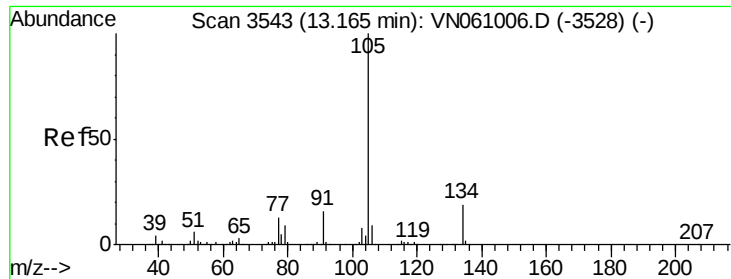
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.388 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.1	66.5





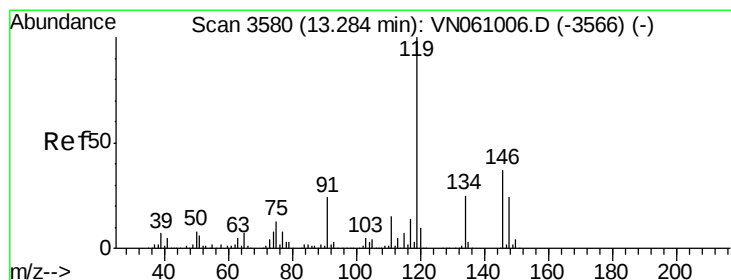
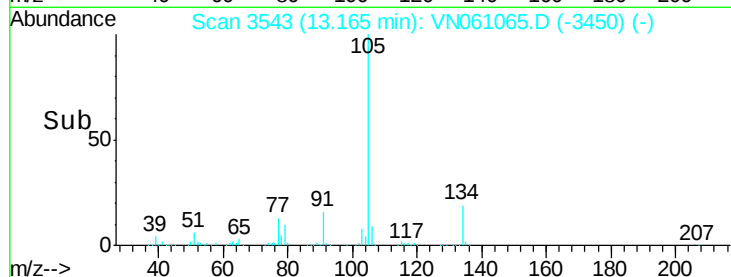
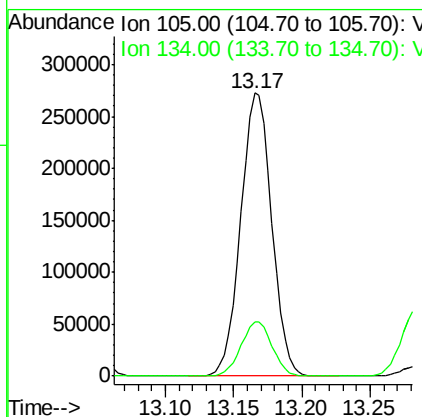
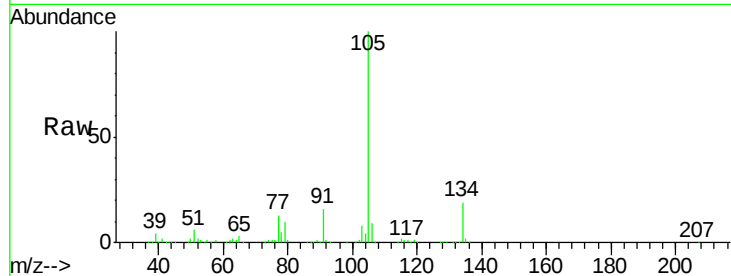
#85
 sec-Butylbenzene
 Concen: 49.582 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.5	28.5

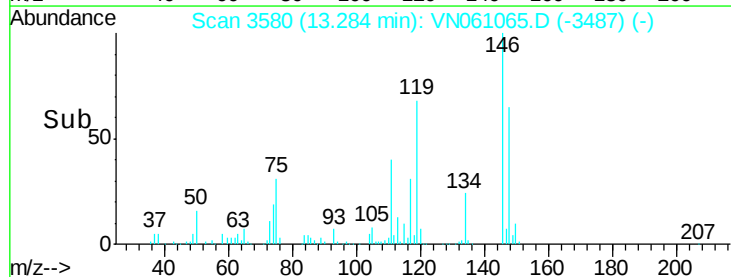
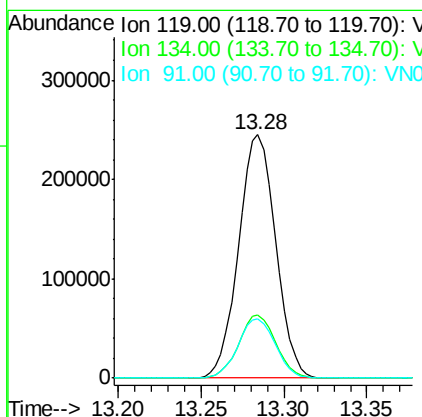
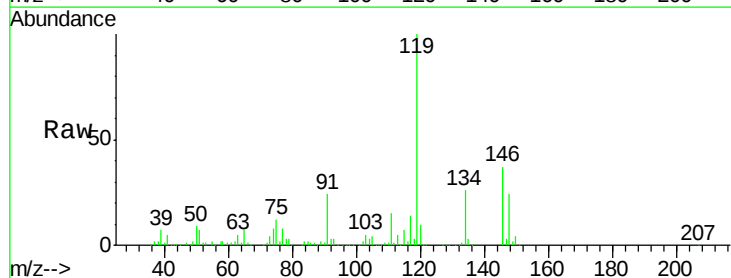
Manual Integrations
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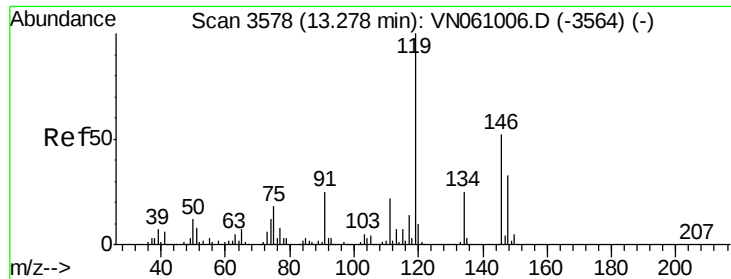
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#86
 p-Isopropyltoluene
 Concen: 49.243 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	24.8	12.3	36.8





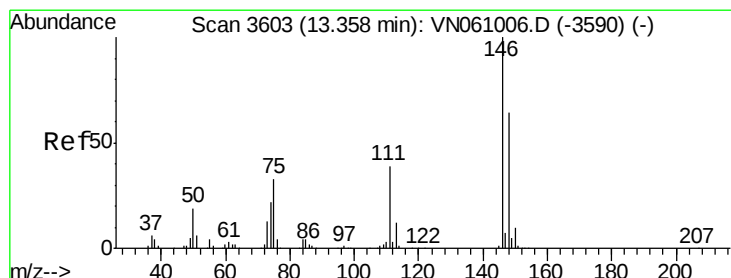
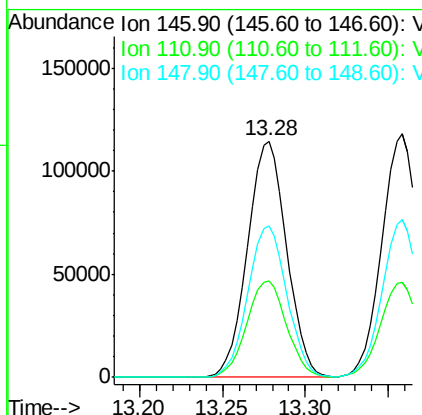
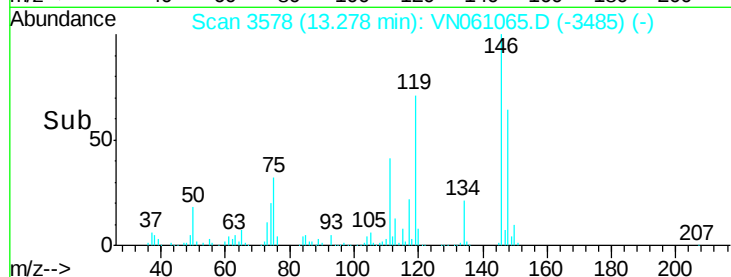
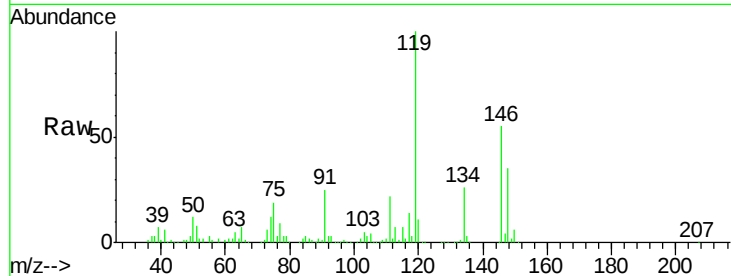
#87
 1,3-Dichlorobenzene
 Concen: 48.971 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.6	61.8
148	64.2	31.8	95.3

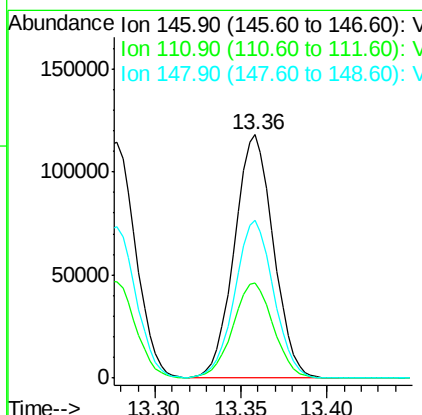
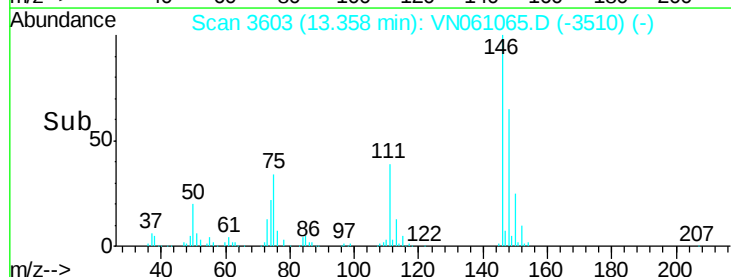
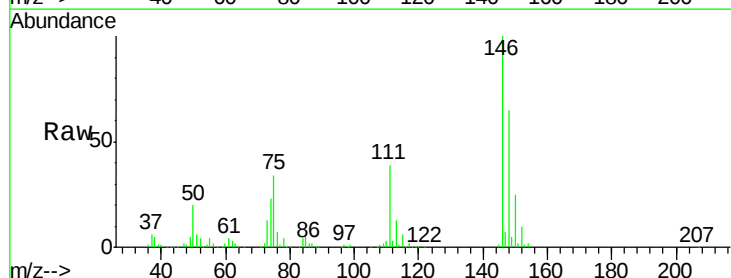
Manual Integrations
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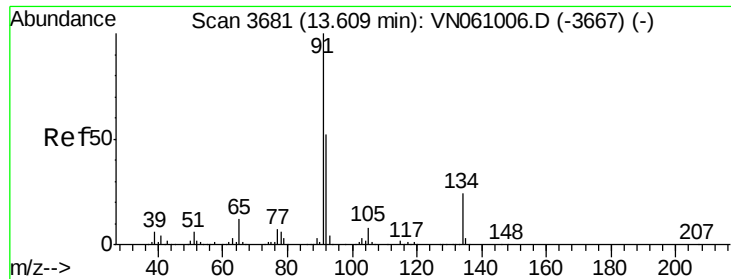
MMDadoda
 4/20/2020 10:21:13 AM



#88
 1,4-Dichlorobenzene
 Concen: 48.560 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.1	60.3
148	64.6	32.1	96.3





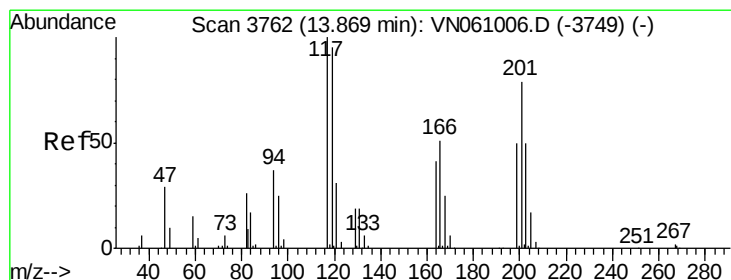
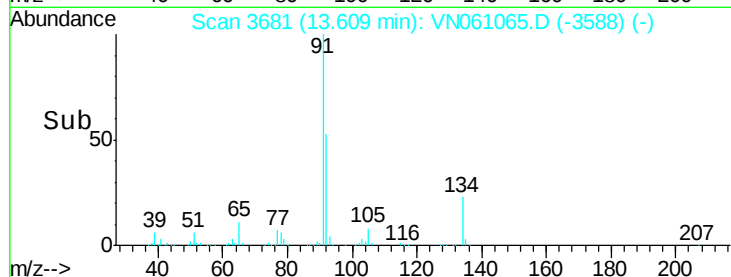
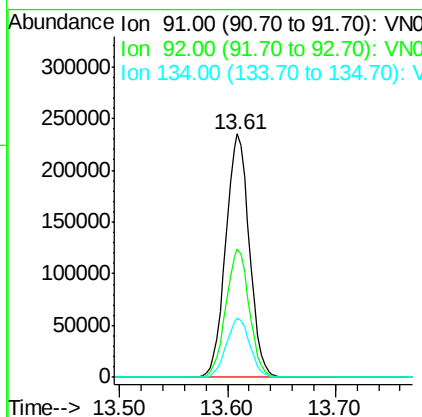
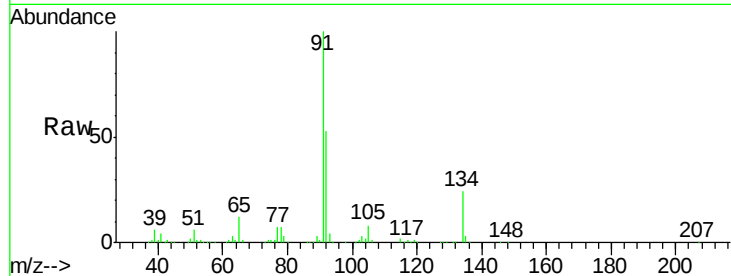
#89
n-Butylbenzene
Concen: 49.847 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	24.2	12.3	36.8

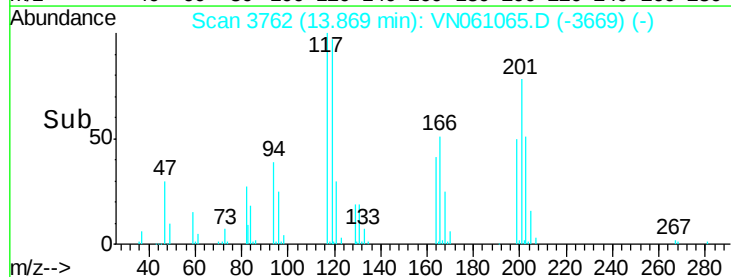
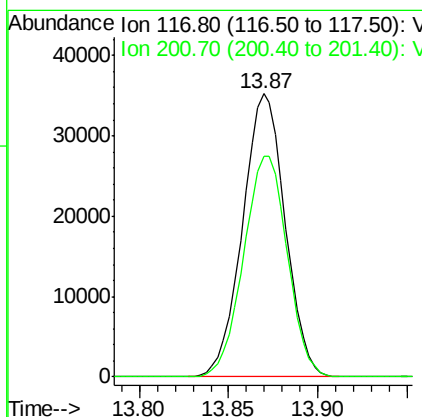
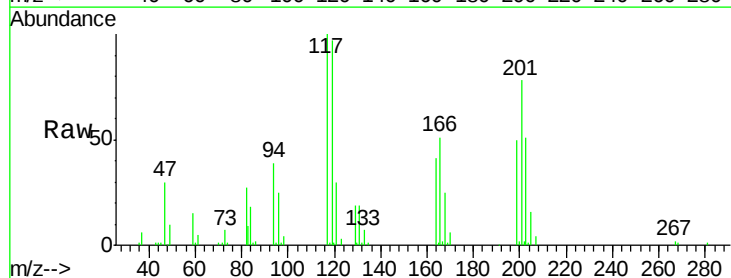
Manual Integrations
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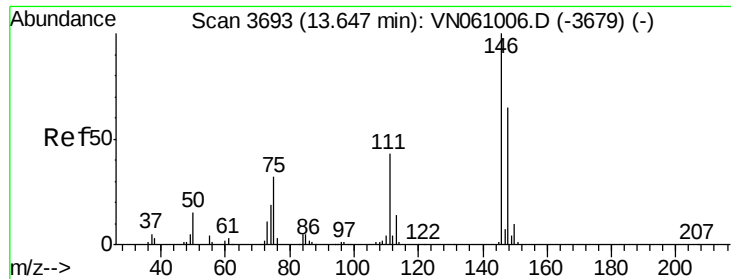
MMDadoda
4/20/2020 10:21:13 AM



#90
Hexachloroethane
Concen: 49.546 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN061065.D
Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.1	39.3	117.9





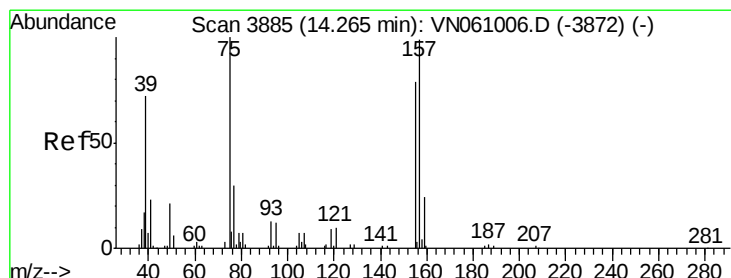
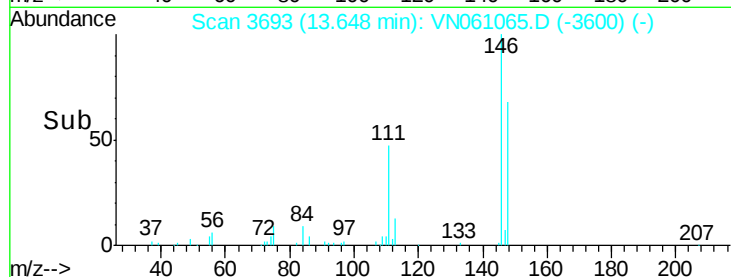
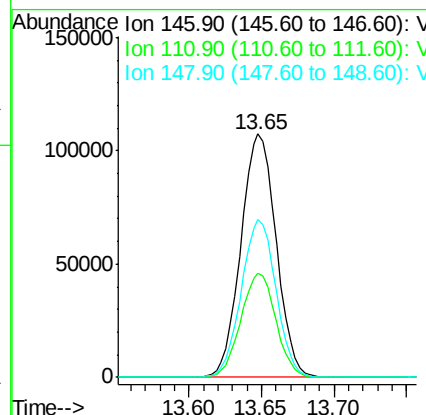
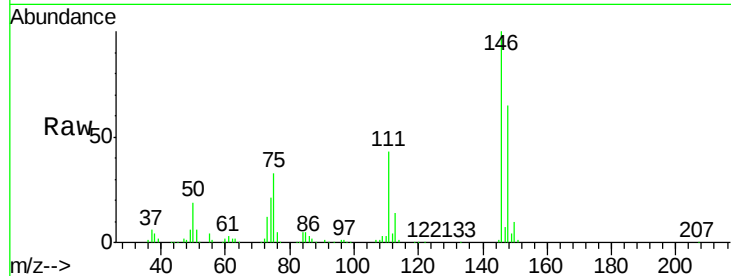
#91
 1,2-Dichlorobenzene
 Concen: 49.696 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	63.8	32.0	96.0

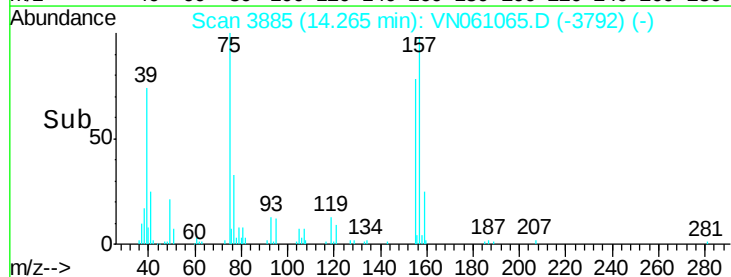
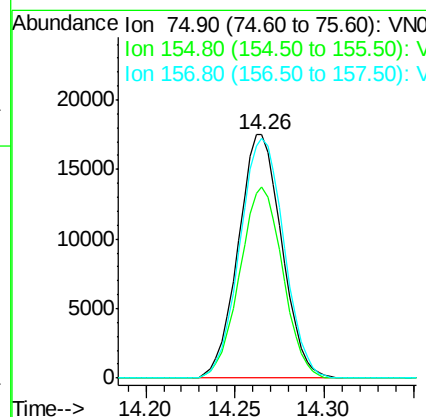
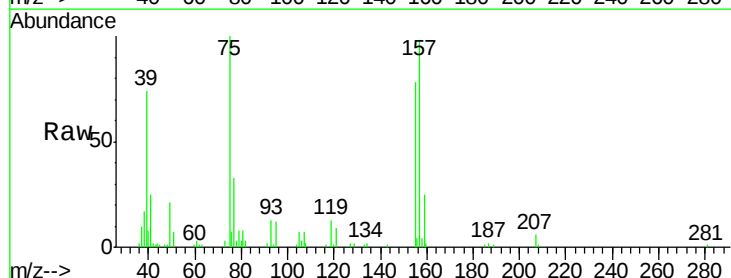
Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:21:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.600 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.7	39.5	118.5
157	99.8	50.1	150.4





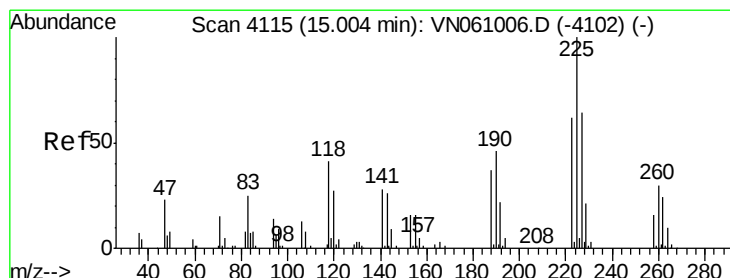
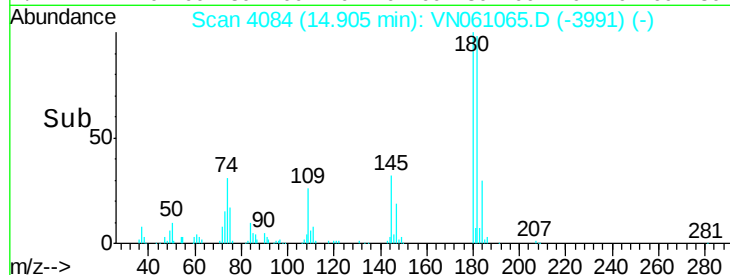
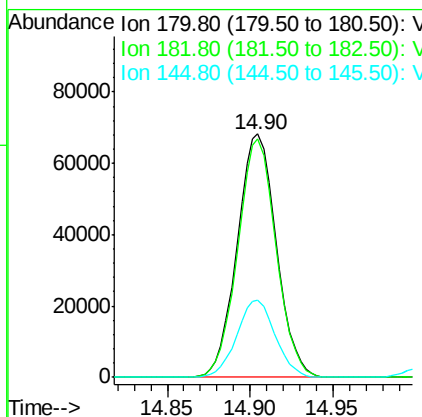
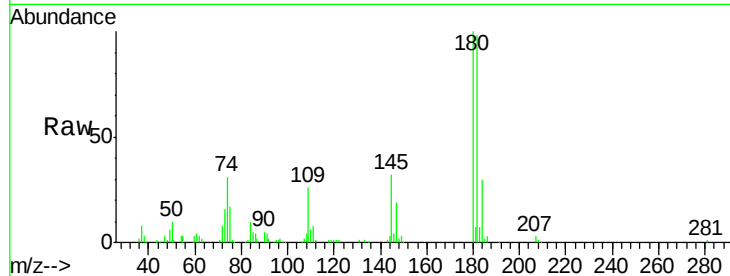
#93
 1,2,4-Trichlorobenzene
 Concen: 51.856 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.8	143.3	
145	31.1	15.3	45.8	

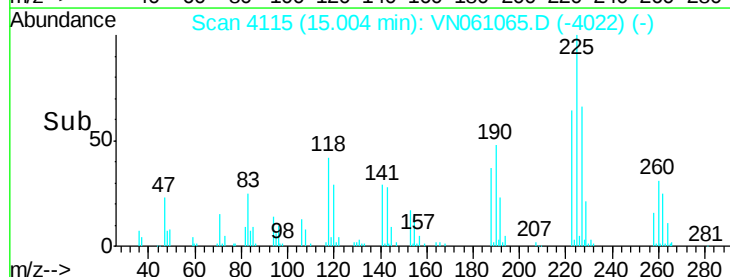
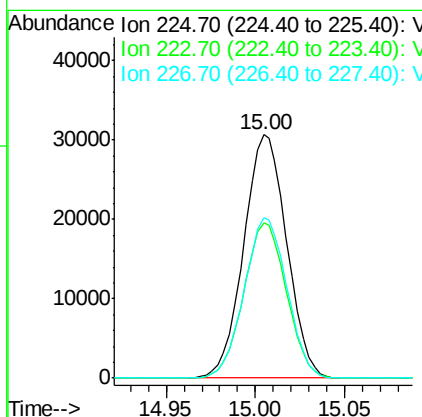
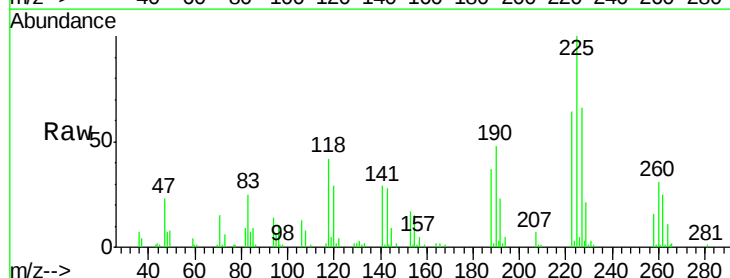
Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:21:13 AM



#94
 Hexachlorobutadiene
 Concen: 46.467 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VN061065.D
 Acq: 17 Apr 2020 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	31.3	93.8	
227	65.4	31.9	95.5	





#95

Naphthalene

Concen: 53.968 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Instrument :

MSVOA_N

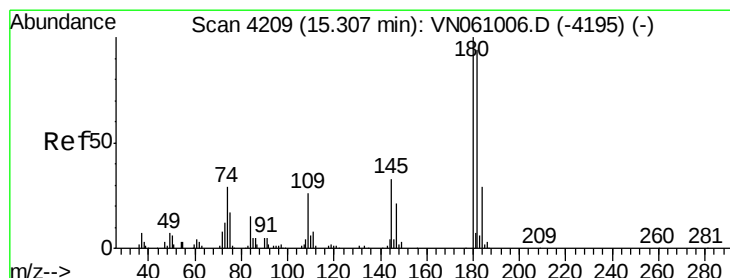
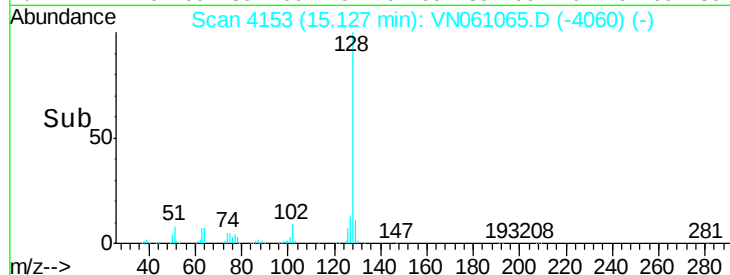
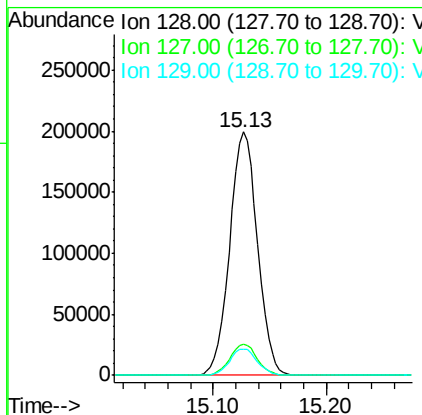
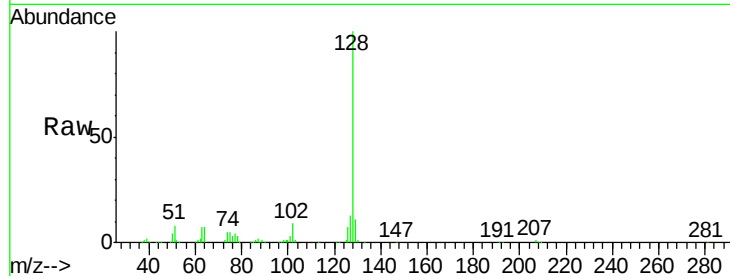
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	340179
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.2	15.4
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/20/2020 10:21:13 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.060 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN061065.D

Acq: 17 Apr 2020 20:41

Tgt Ion:	180	Resp:	108435
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.6	142.8
145	33.0	16.4	49.2

