

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061967.D
 Acq On : 19 Jun 2020 21:12
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 1:27:33 PM

Quant Time: Jun 22 01:37:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	172734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	301999	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	281700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	136991	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	113657	49.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.12%		
35) Dibromofluoromethane	7.55	113	93082	48.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.36%		
50) Toluene-d8	10.06	98	366698	48.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.56%		
62) 4-Bromofluorobenzene	12.38	95	128454	49.30	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.60%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	112866	50.216	ug/l	98
3) Chloromethane	2.03	50	121569	50.704	ug/l	98
4) Vinyl Chloride	2.16	62	155235	54.310	ug/l	99
5) Bromomethane	2.52	94	88579	40.356	ug/l	97
6) Chloroethane	2.66	64	94844	49.029	ug/l	100
7) Trichlorofluoromethane	2.98	101	176618	51.731	ug/l	97
8) Diethyl Ether	3.37	74	63939	55.706	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	90356	51.586	ug/l	98
10) Methyl Iodide	3.91	142	108168	51.044	ug/l	99
11) Tert butyl alcohol	4.74	59	79753	248.783	ug/l #	87
12) 1,1-Dichloroethene	3.69	96	93463	53.254	ug/l	97
13) Acrolein	3.57	56	57244	298.771	ug/l	100
14) Allyl chloride	4.27	41	128583	55.202	ug/l	98
15) Acrylonitrile	4.93	53	228309	287.424	ug/l	98
16) Acetone	3.77	43	172999	252.817	ug/l	100
17) Carbon Disulfide	4.00	76	253879	49.438	ug/l	99
18) Methyl Acetate	4.27	43	113755	57.741	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	322669	55.218	ug/l	100
20) Methylene Chloride	4.50	84	108445	48.643	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	104096	51.638	ug/l	99
22) Diisopropyl ether	5.90	45	292143	54.839	ug/l	99
23) Vinyl Acetate	5.84	43	1203352	287.198	ug/l	98
24) 1,1-Dichloroethane	5.79	63	183999	52.762	ug/l	99
25) 2-Butanone	6.79	43	287702	288.170	ug/l	100
26) 2,2-Dichloropropane	6.77	77	142966	48.727	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	123285	53.002	ug/l	99
28) Bromochloromethane	7.15	49	84128	54.180	ug/l	95
29) Tetrahydrofuran	7.17	42	187706	285.685	ug/l	98
30) Chloroform	7.33	83	188073	50.462	ug/l	98
31) Cyclohexane	7.61	56	153231	50.193	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	163704	51.575	ug/l	99
36) 1,1-Dichloropropene	7.75	75	141807	51.481	ug/l	98
37) Ethyl Acetate	6.88	43	124074	57.681	ug/l	99
38) Carbon Tetrachloride	7.73	117	136856	50.171	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	158934	53.584	ug/l	97
40) Benzene	8.00	78	430509	51.594	ug/l	98
41) Methacrylonitrile	7.13	41	54114	58.831	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	147574	51.869	ug/l	98
43) Isopropyl Acetate	8.13	43	211508	58.347	ug/l	98
44) Trichloroethene	8.80	130	109735	49.971	ug/l	99
45) 1,2-Dichloropropane	9.08	63	110321	53.799	ug/l	99
46) Dibromomethane	9.17	93	74542	51.622	ug/l	99
47) Bromodichloromethane	9.37	83	152558	51.595	ug/l	98
48) Methyl methacrylate	9.17	41	96957	58.815	ug/l	95
49) 1,4-Dioxane	9.17	88	35450	936.635	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	628896	293.581	ug/l	99
52) Toluene	10.12	92	281226	53.665	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	168754	53.762	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	182483	53.524	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	111649	54.150	ug/l	99
56) Ethyl methacrylate	10.40	69	160188	50.813	ug/l	96
57) 1,3-Dichloropropane	10.68	76	185596	53.133	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	317691	291.951	ug/l	98
59) 2-Hexanone	10.72	43	460474	268.042	ug/l	98
60) Dibromochloromethane	10.87	129	119911	52.120	ug/l	100
61) 1,2-Dibromoethane	10.98	107	113874	52.892	ug/l	99
64) Tetrachloroethene	10.60	164	88661	49.381	ug/l	97
65) Chlorobenzene	11.41	112	297818	50.103	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	107266	51.742	ug/l	99
67) Ethyl Benzene	11.48	91	524849	52.663	ug/l	100
68) m/p-Xylenes	11.59	106	408774	106.370	ug/l	100
69) o-Xylene	11.92	106	195647	53.357	ug/l	98
70) Styrene	11.94	104	333432	54.309	ug/l	99
71) Bromoform	12.10	173	80844	53.483	ug/l #	99
73) Isopropylbenzene	12.22	105	514289	52.830	ug/l	100
74) N-amyl acetate	12.04	43	194080	54.743	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	167177	52.821	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	137121m	50.984	ug/l	
77) Bromobenzene	12.50	156	123462	50.271	ug/l	96
78) n-propylbenzene	12.56	91	590930	53.200	ug/l	99
79) 2-Chlorotoluene	12.65	91	350720	52.572	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	425107	52.784	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	54883	55.657	ug/l	99
82) 4-Chlorotoluene	12.75	91	360167	52.248	ug/l	98
83) tert-Butylbenzene	12.97	119	355119	52.011	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	428274	53.870	ug/l	100
85) sec-Butylbenzene	13.15	105	483458	54.098	ug/l	98
86) p-Isopropyltoluene	13.26	119	432217	54.276	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	224151	50.042	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	227147	49.541	ug/l	99
89) n-Butylbenzene	13.59	91	363394	54.641	ug/l	99
90) Hexachloroethane	13.85	117	78304	53.717	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	222604	51.621	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	29425	57.268	ug/l	96

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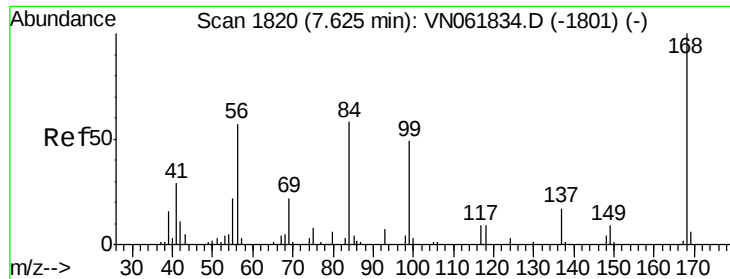
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	110903	54.502	ug/l	98
94) Hexachlorobutadiene	14.98	225	43327	54.062	ug/l	97
95) Naphthalene	15.10	128	335501	49.288	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	109232	54.203	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 172734

Ion Ratio Lower Upper

168 100

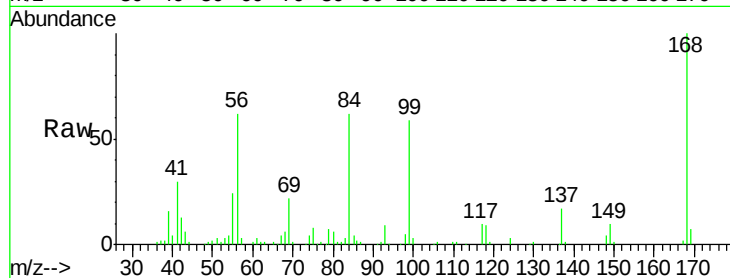
99 58.8 44.6 67.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

60000

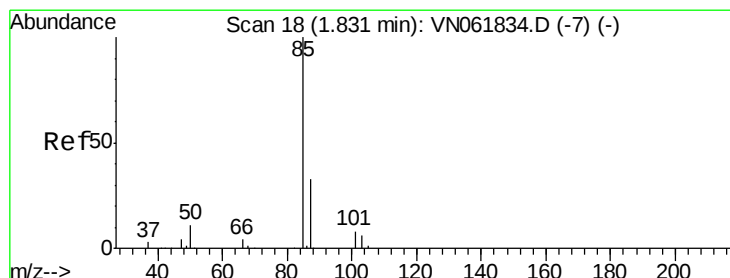
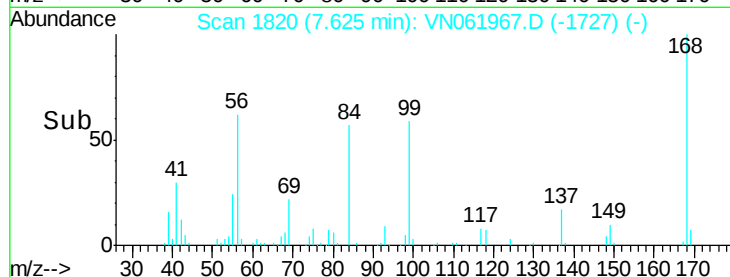
40000

20000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.216 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061967.D

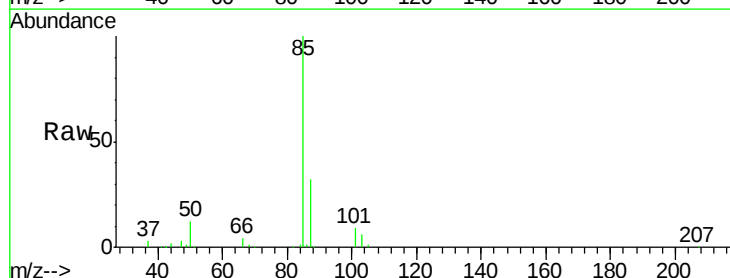
Acq: 19 Jun 2020 21:12

Tgt Ion: 85 Resp: 112866

Ion Ratio Lower Upper

85 100

87 31.8 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

60000

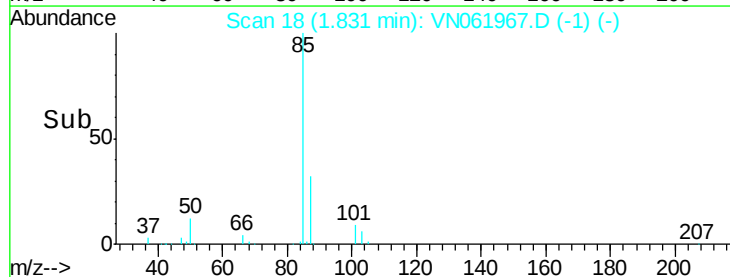
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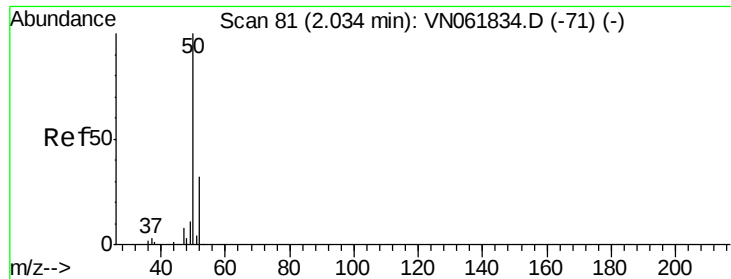
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 50.704 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 121569

Ion Ratio Lower Upper

50 100

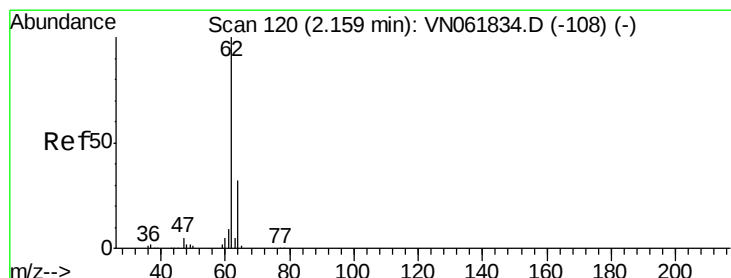
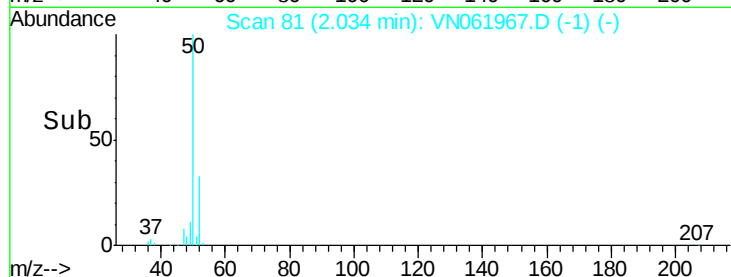
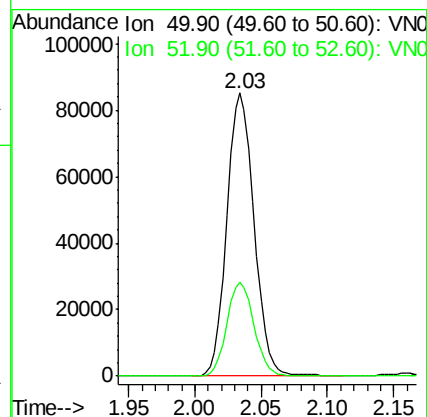
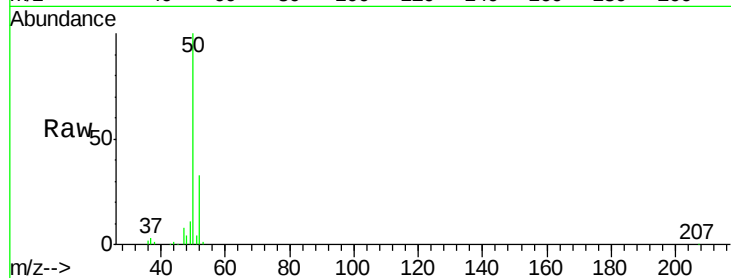
52 33.4 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.310 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061967.D

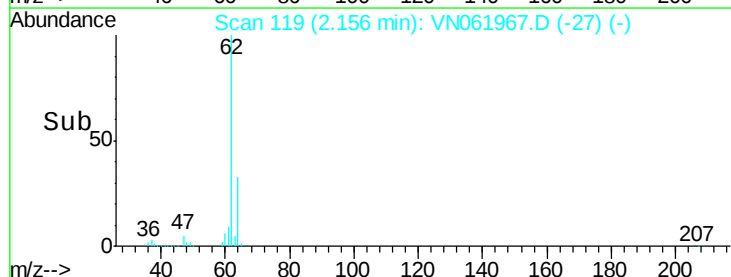
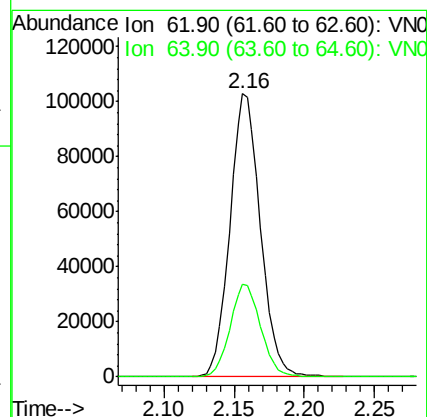
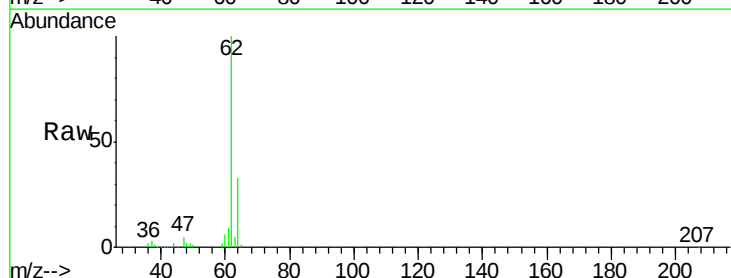
Acq: 19 Jun 2020 21:12

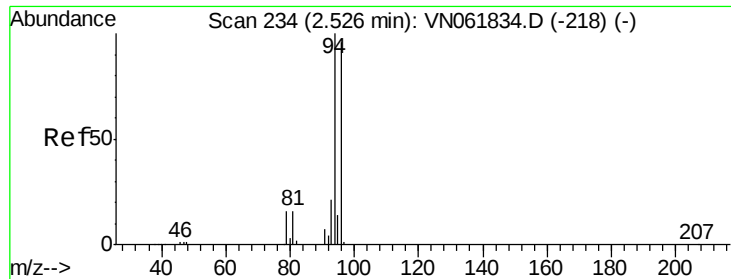
Tgt Ion: 62 Resp: 155235

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 40.356 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.01 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 88579

Ion Ratio Lower Upper

94 100

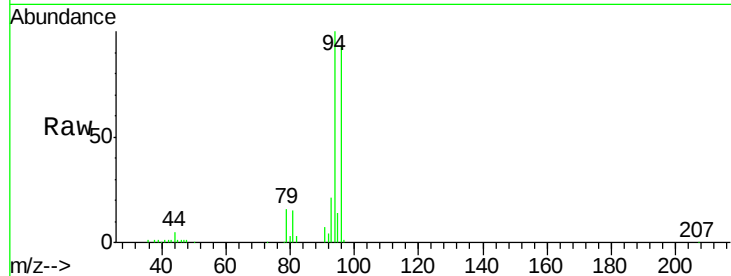
96 92.6 76.7 115.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

50000

40000

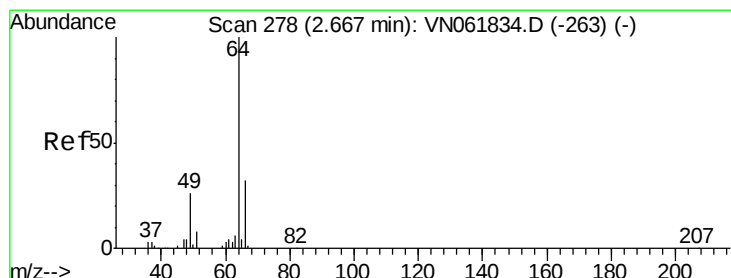
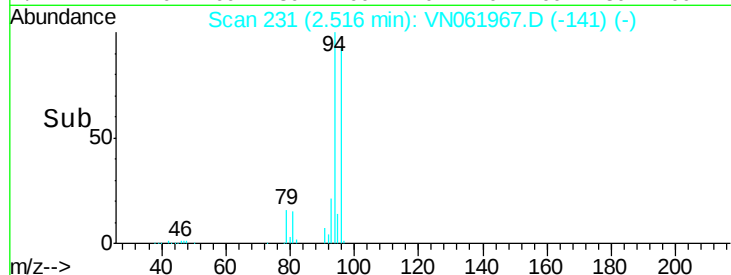
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 49.029 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN061967.D

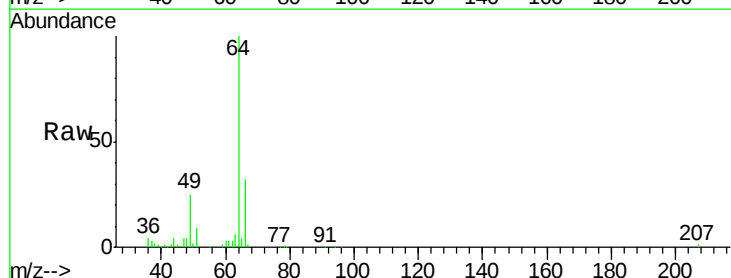
Acq: 19 Jun 2020 21:12

Tgt Ion: 64 Resp: 94844

Ion Ratio Lower Upper

64 100

66 32.1 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.66

50000

40000

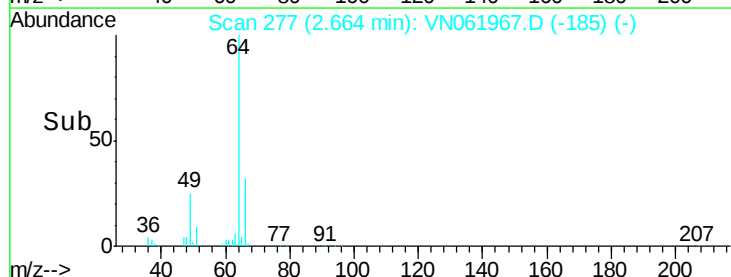
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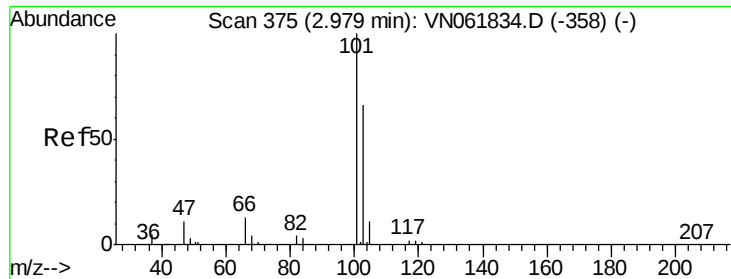
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Time-->





#7

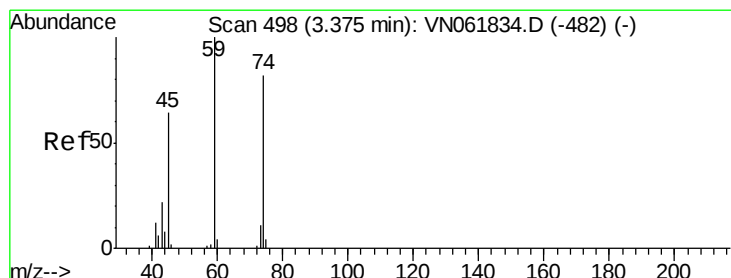
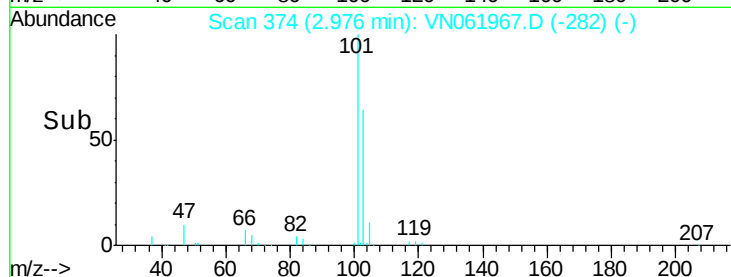
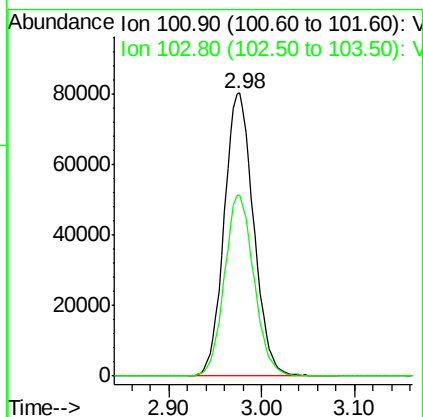
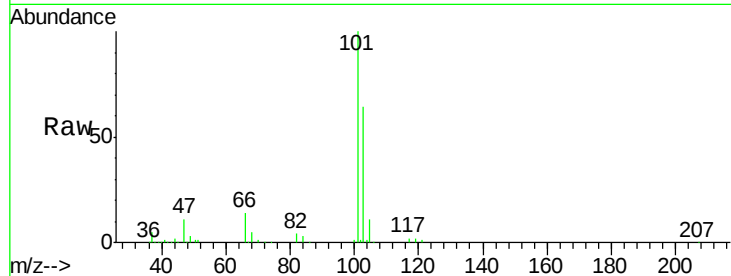
Trichlorofluoromethane
Concen: 51.731 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.8	79.2

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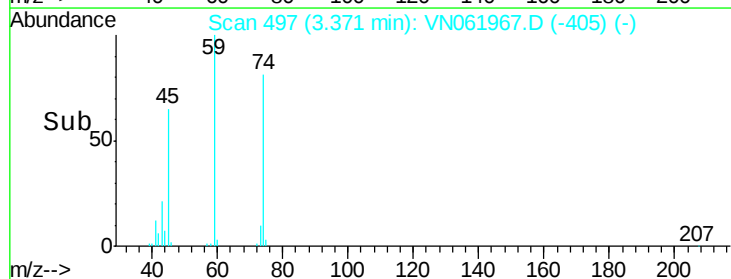
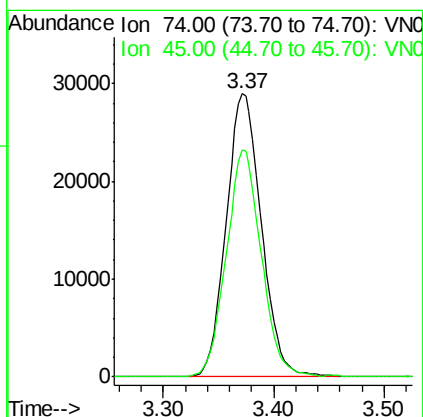
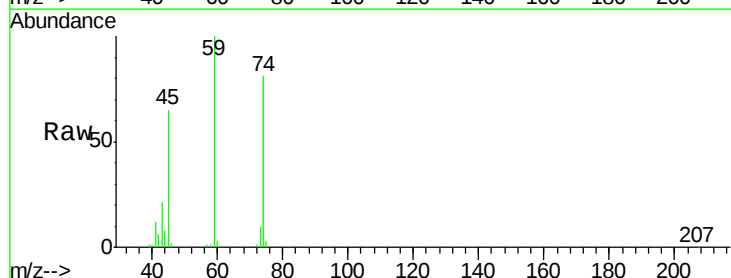
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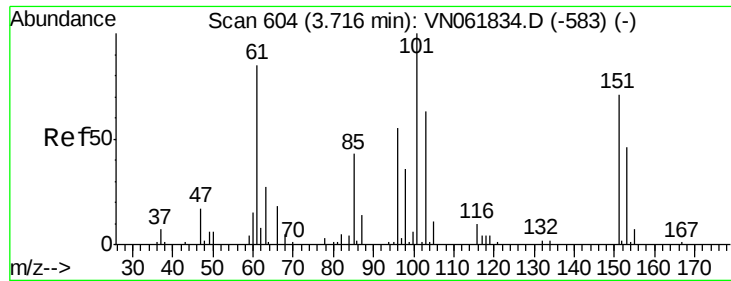


#8

Diethyl Ether
Concen: 55.706 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.9	39.1	117.3





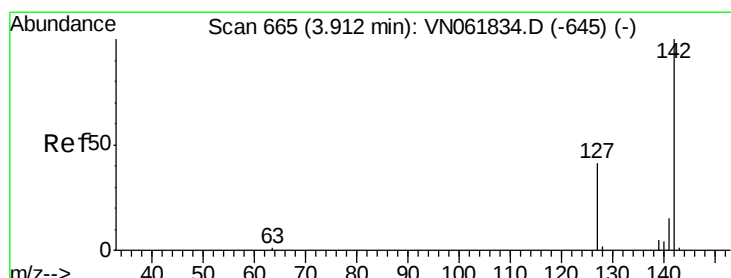
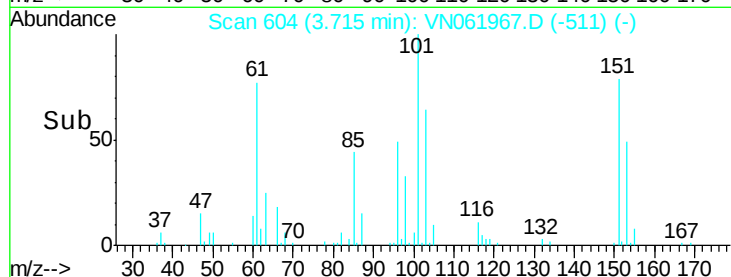
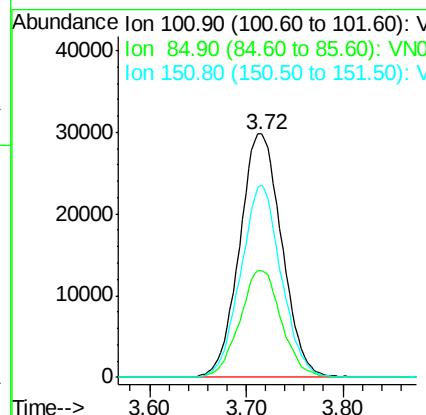
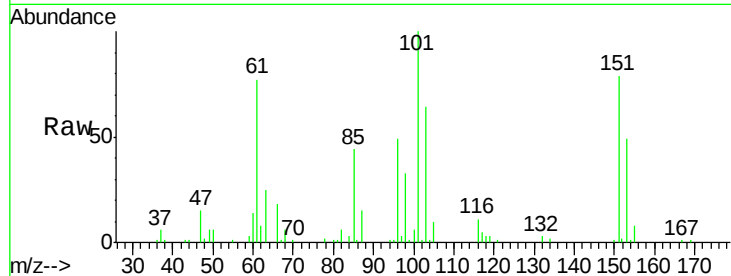
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.586 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN061967.D
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Tot Ion	Ratio	Lower	Upper
101	100		
85	43.3	35.0	52.6
151	75.8	59.2	88.8

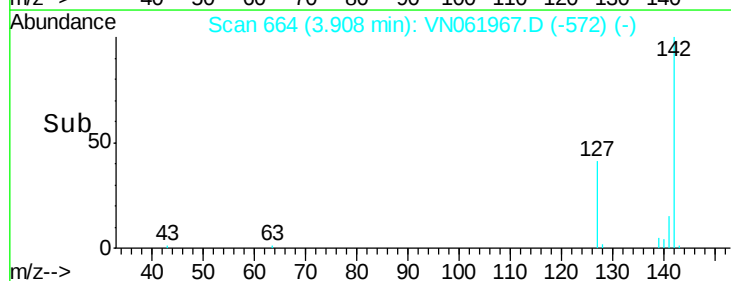
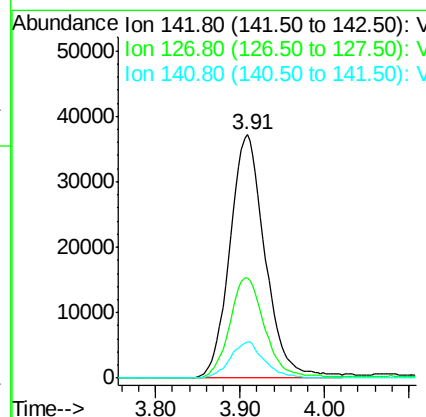
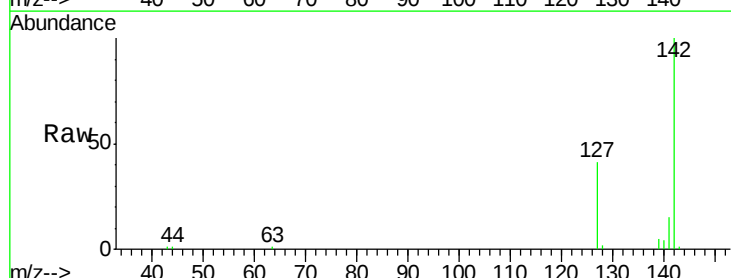
Manual Integrations
APPROVED

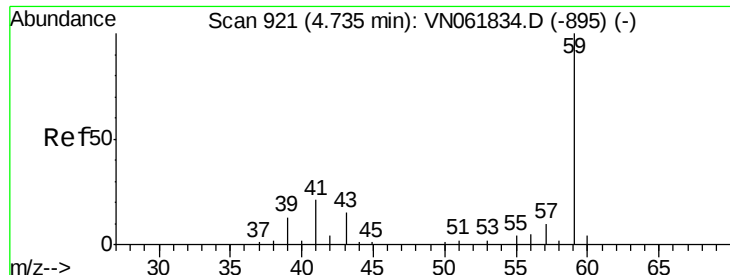
MMDadoda
6/22/2020 1:27:33 PM



#10
Methyl Iodide
Concen: 51.044 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
142	100		
127	40.8	33.4	50.0
141	14.2	11.3	16.9





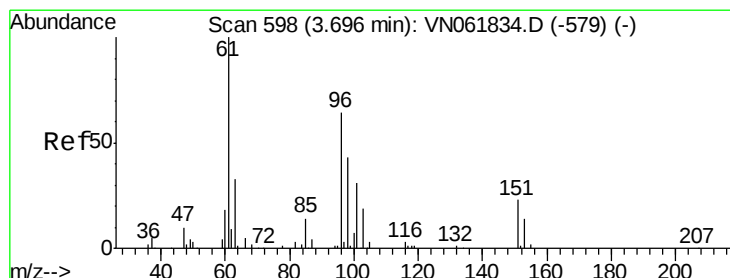
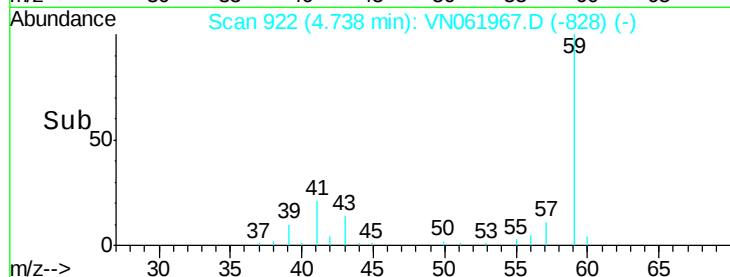
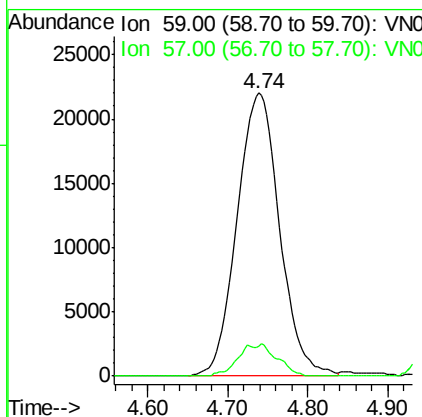
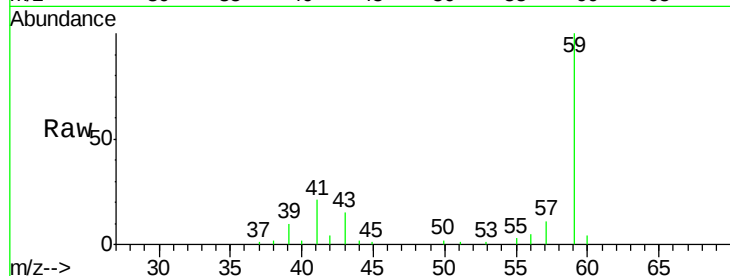
#11
Tert butyl alcohol
Concen: 248.783 ug/l
RT: 4.74 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 79753
Ion Ratio Lower Upper
59 100
57 4.9 7.7 11.5#

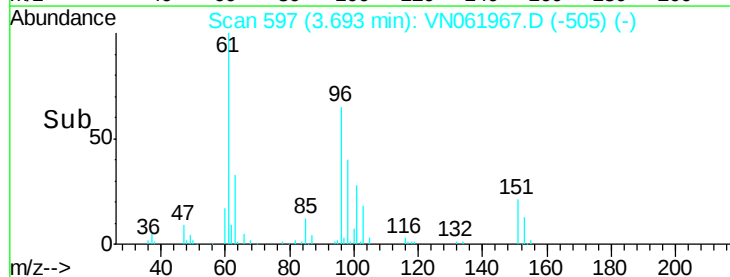
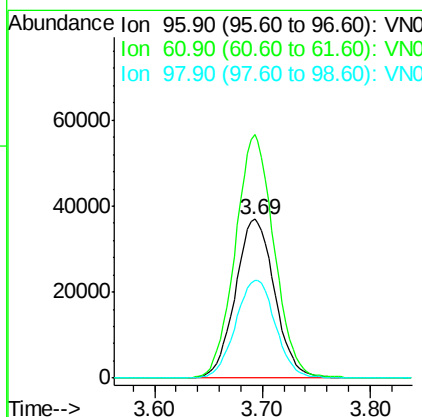
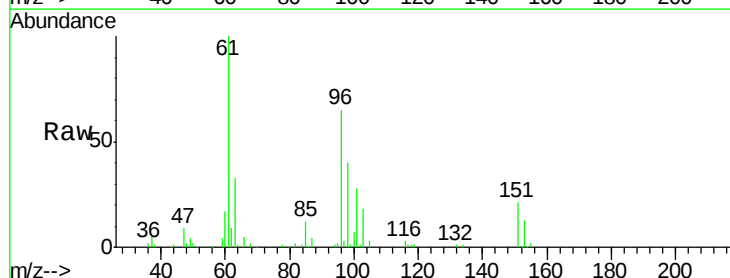
Manual Integrations
APPROVED

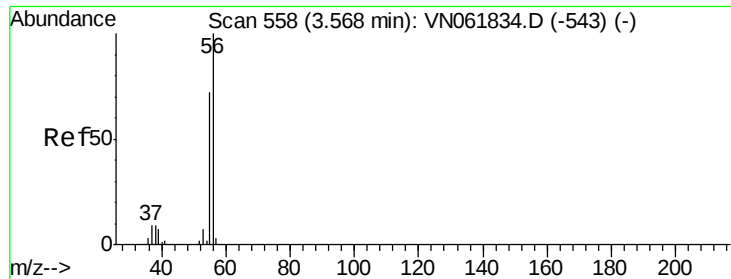
MMDadoda
6/22/2020 1:27:33 PM



#12
1,1-Dichloroethene
Concen: 53.254 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion: 96 Resp: 93463
Ion Ratio Lower Upper
96 100
61 153.2 124.3 186.5
98 61.5 53.1 79.7





#13

Acrolein

Concen: 298.771 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 57244

Ion Ratio Lower Upper

56 100

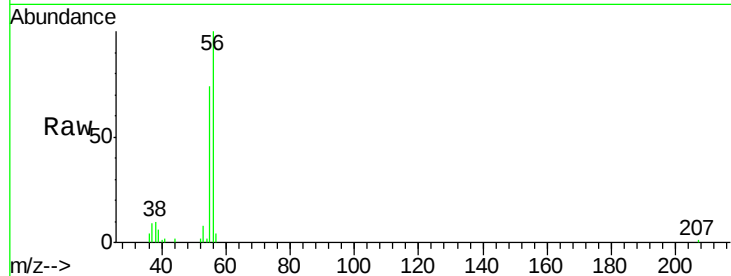
55 70.5 56.2 84.4

Manual Integrations

APPROVED

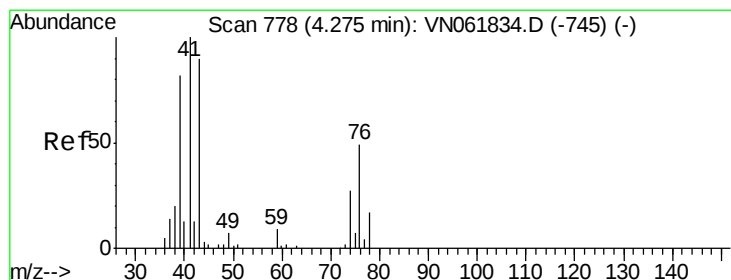
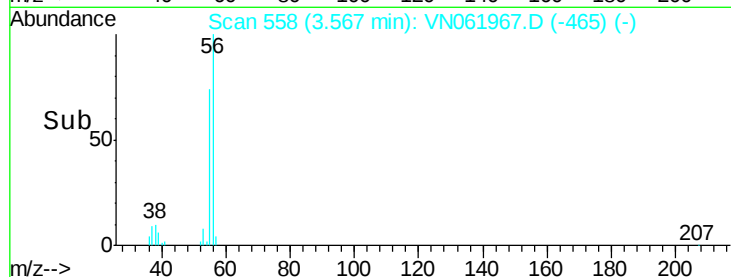
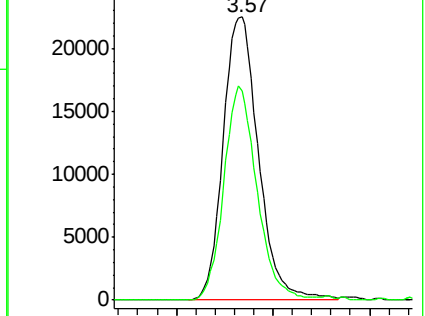
MMDadoda

6/22/2020 1:27:33 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 55.202 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

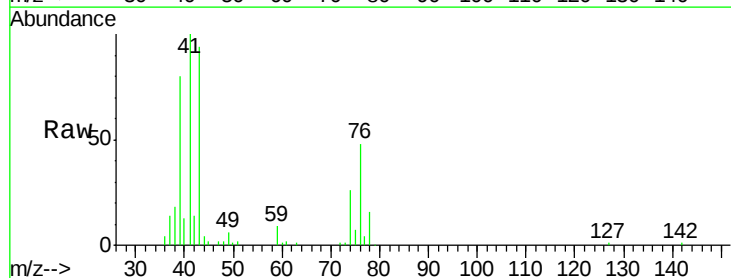
Tgt Ion: 41 Resp: 128583

Ion Ratio Lower Upper

41 100

39 76.2 60.2 90.2

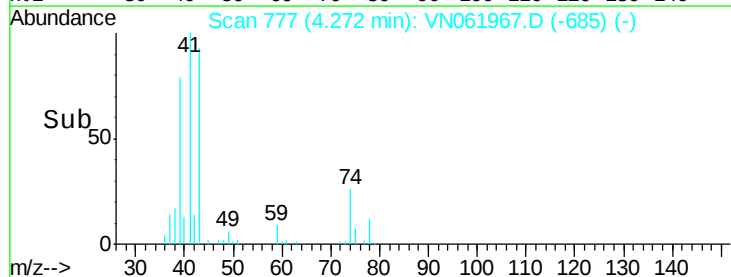
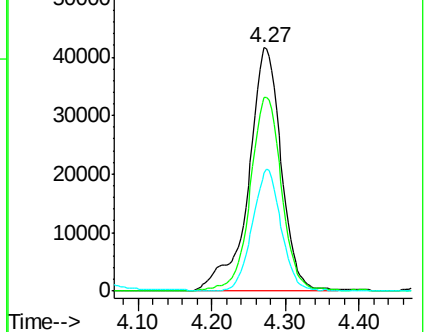
76 43.9 36.3 54.5



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 287.424 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

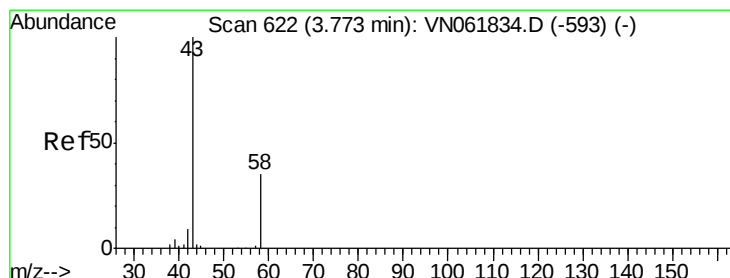
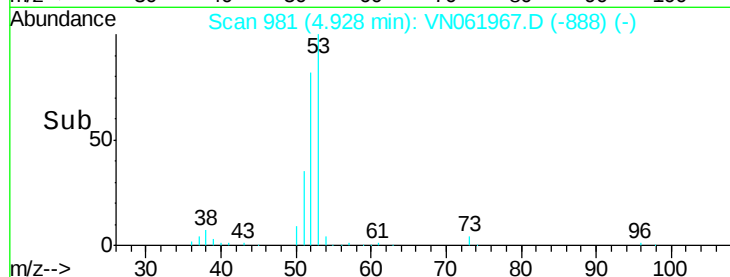
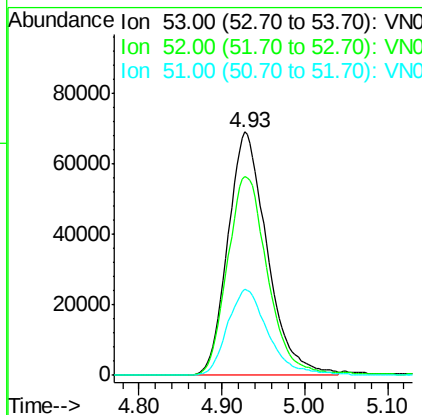
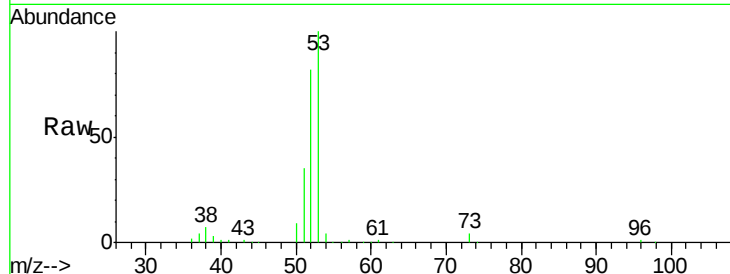
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	228309
Ion	Ratio	Lower	Upper
53	100		
52	84.0	65.2	97.8
51	36.8	29.3	43.9

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 252.817 ug/l

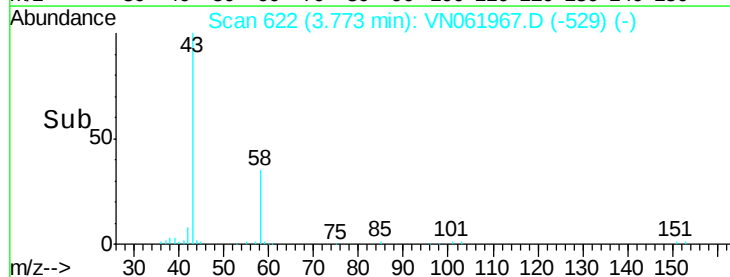
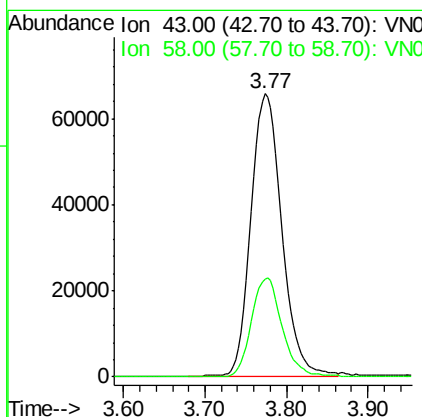
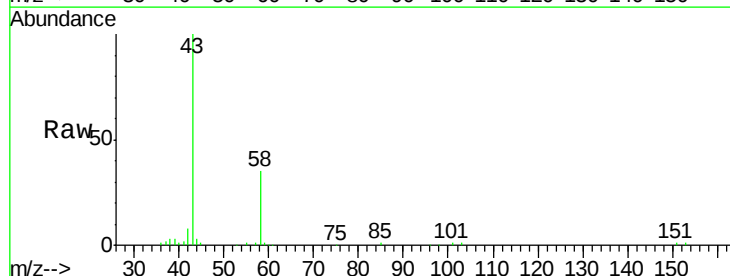
RT: 3.77 min Scan# 622

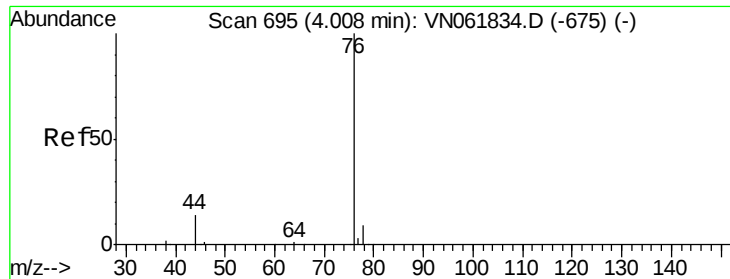
Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Tgt Ion:	43	Resp:	172999
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.8	41.8





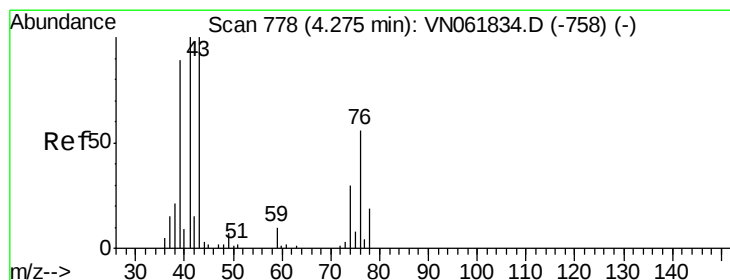
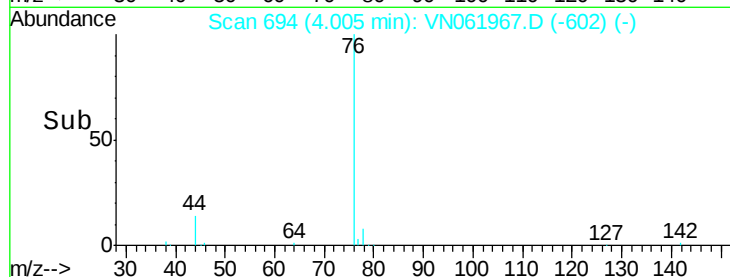
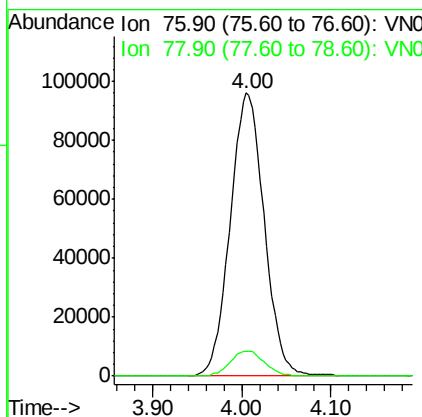
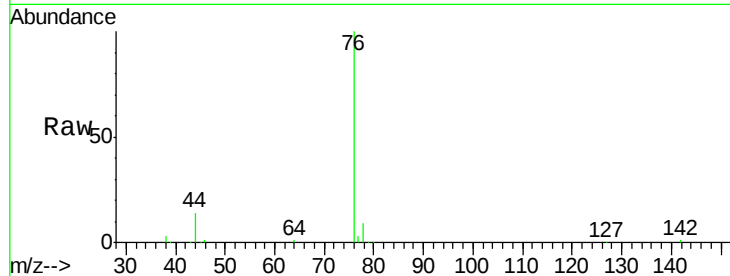
#17
Carbon Disulfide
Concen: 49.438 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

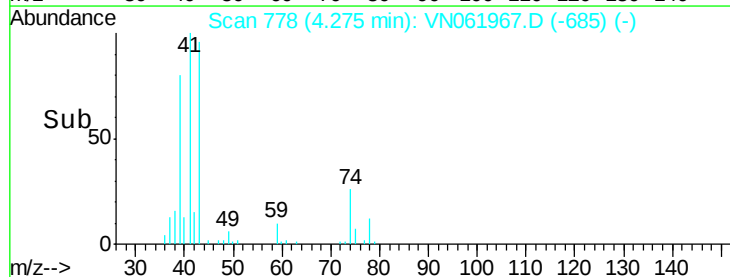
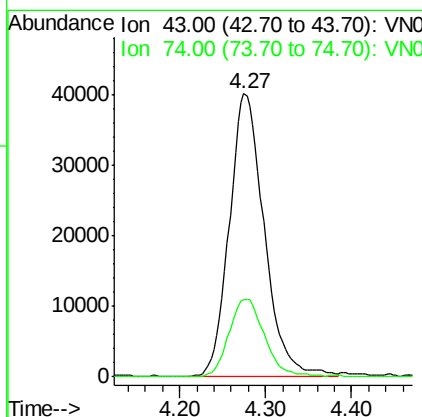
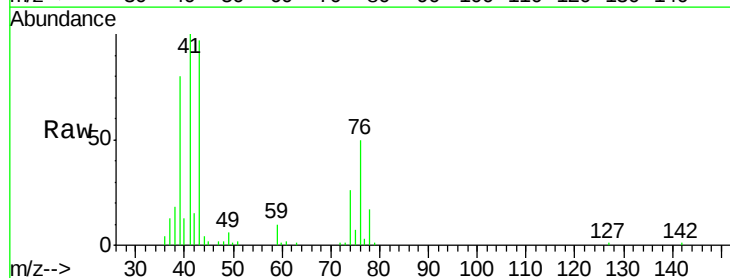
Manual Integrations
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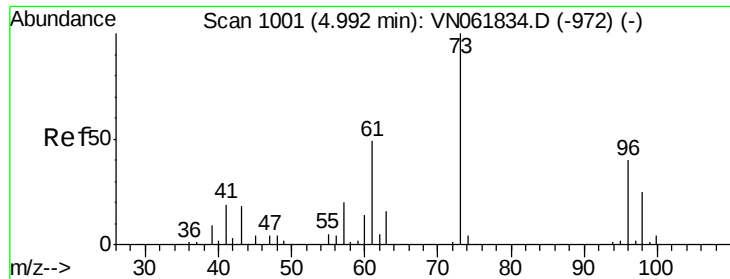
MMDadoda
6/22/2020 1:27:33 PM



#18
Methyl Acetate
Concen: 57.741 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.8	23.0	34.4





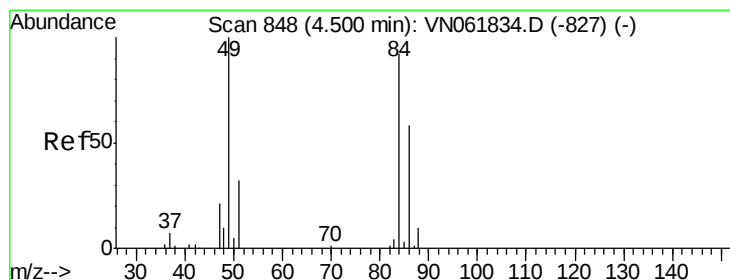
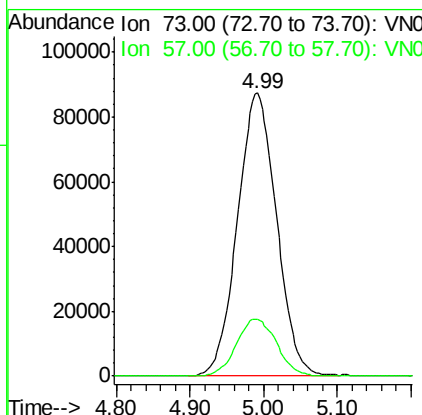
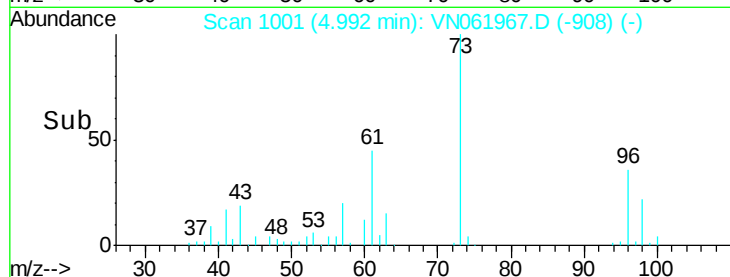
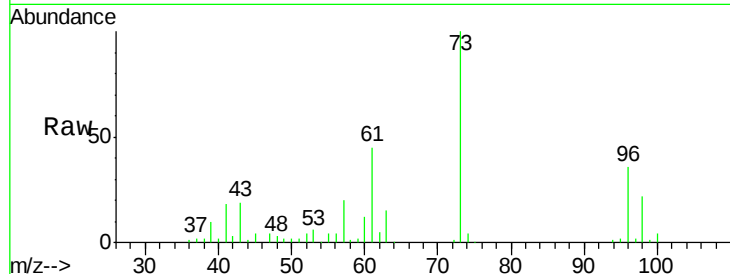
#19
Methvl tert-butvl Ether
Concen: 55.218 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 322669
Ion Ratio Lower Upper
73 100
57 20.2 16.2 24.4

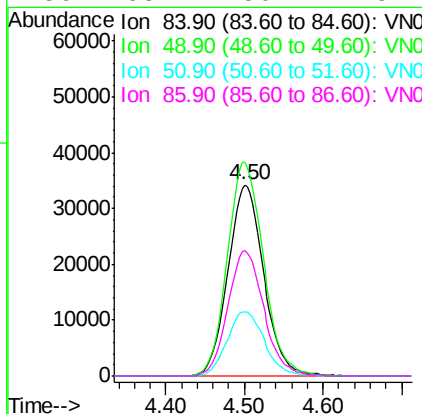
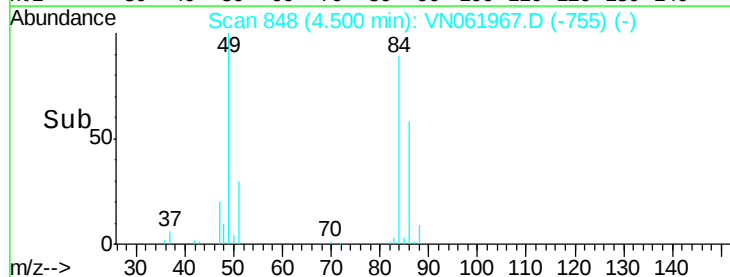
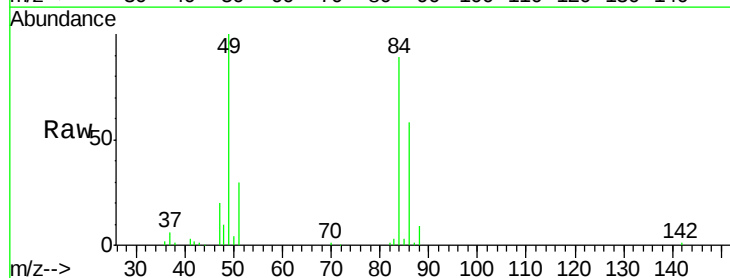
Manual Integrations
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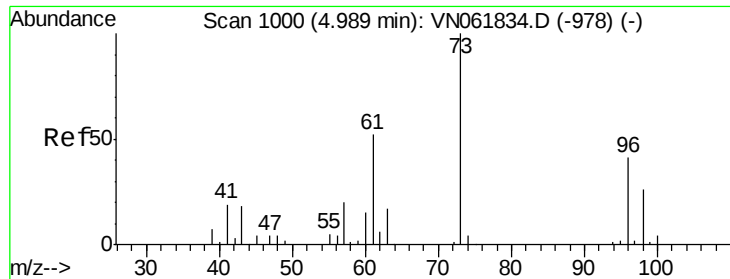
MMDadoda
6/22/2020 1:27:33 PM



#20
Methylene Chloride
Concen: 48.643 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion: 84 Resp: 108445
Ion Ratio Lower Upper
84 100
49 111.9 87.0 130.4
51 33.7 27.8 41.6
86 65.4 50.2 75.2





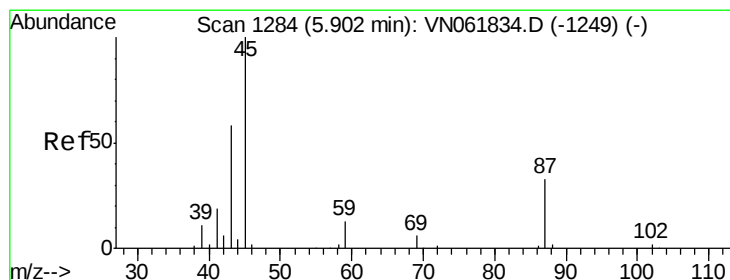
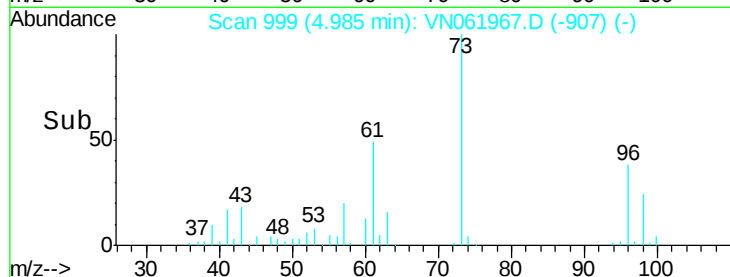
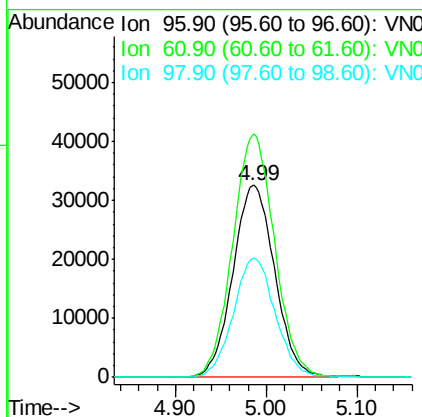
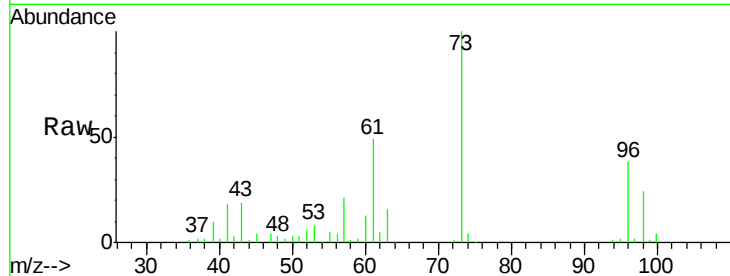
#21
trans-1,2-Dichloroethene
Concen: 51.638 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.8	102.2	153.4
98	62.1	51.2	76.8

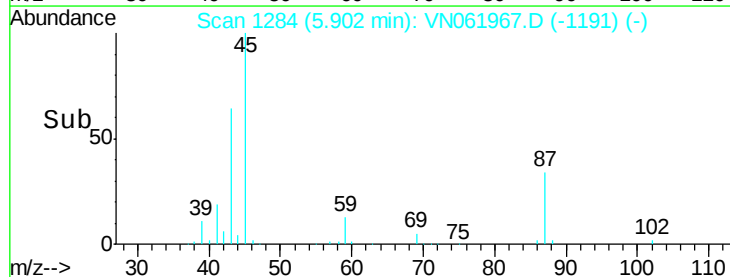
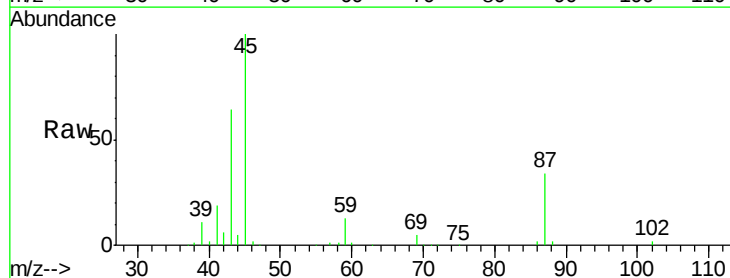
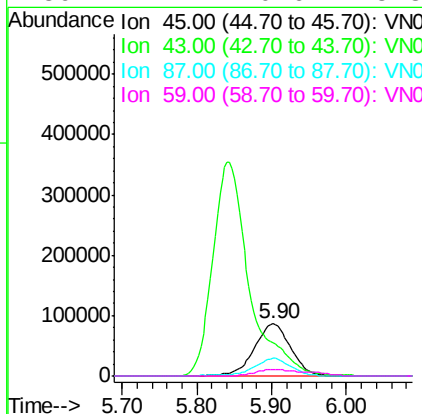
Manual Integrations
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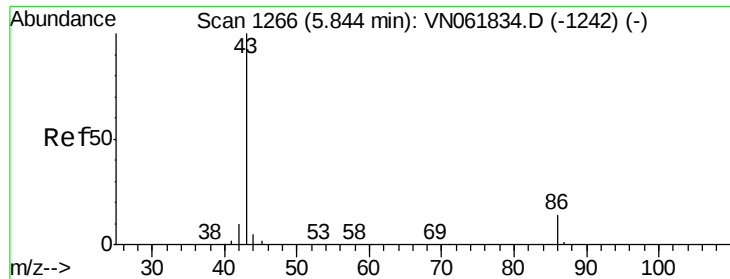
MMDadoda
6/22/2020 1:27:33 PM



#22
Diisopropyl ether
Concen: 54.839 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.7	49.4	74.2
87	33.6	27.4	41.0
59	12.7	10.6	15.8





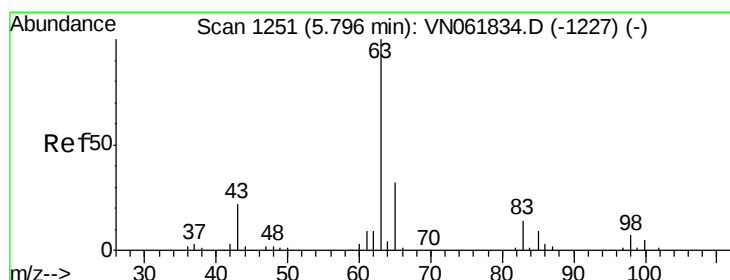
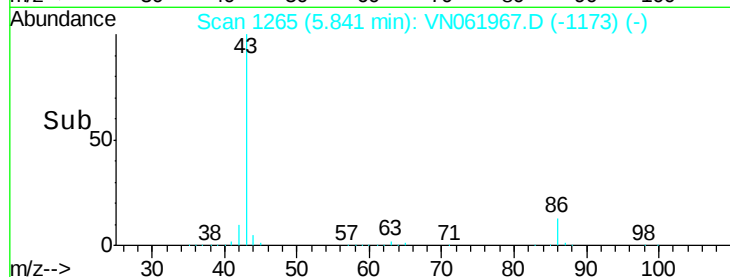
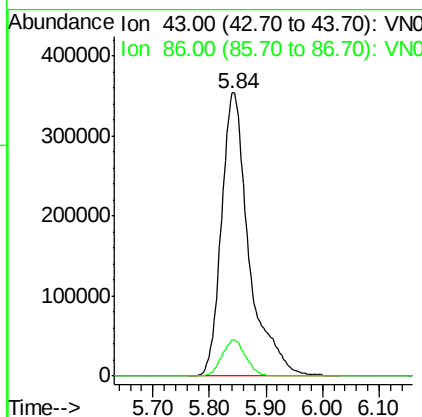
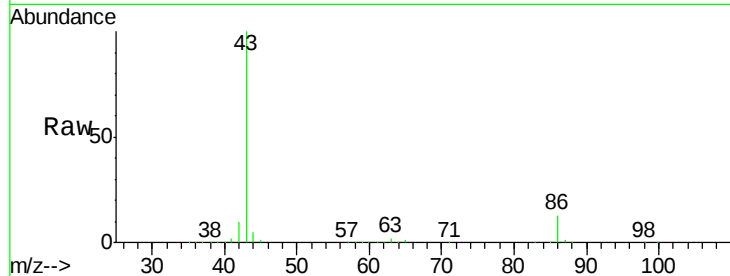
#23
 Vinyl Acetate
 Concen: 287.198 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1203352
 Ion Ratio Lower Upper
 43 100
 86 13.0 10.9 16.3

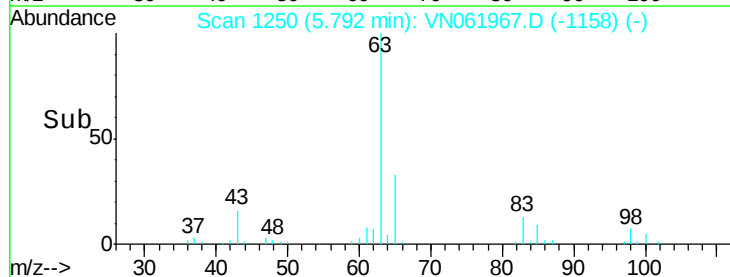
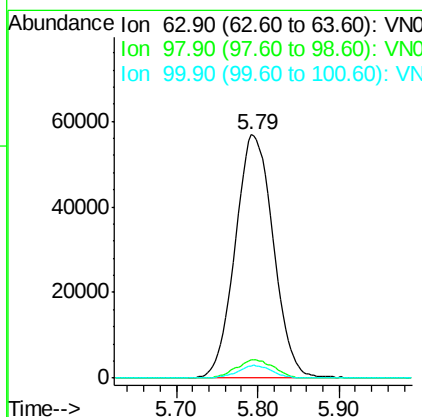
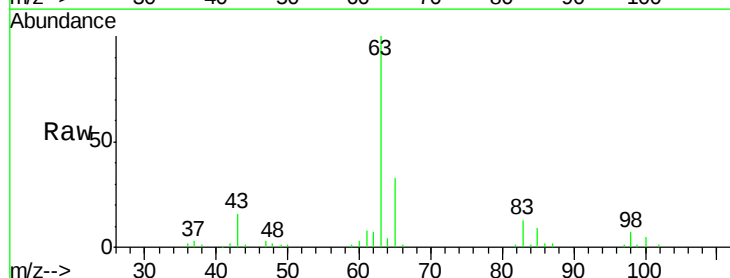
Manual Integrations
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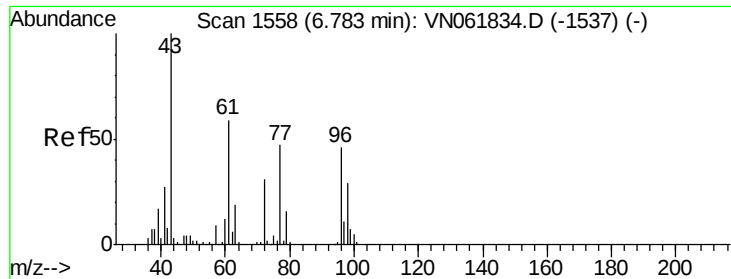
MMDadoda
 6/22/2020 1:27:33 PM



#24
 1,1-Dichloroethane
 Concen: 52.762 ug/l
 RT: 5.79 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Tgt Ion: 63 Resp: 183999
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.5 10.4
 100 5.1 2.5 7.4





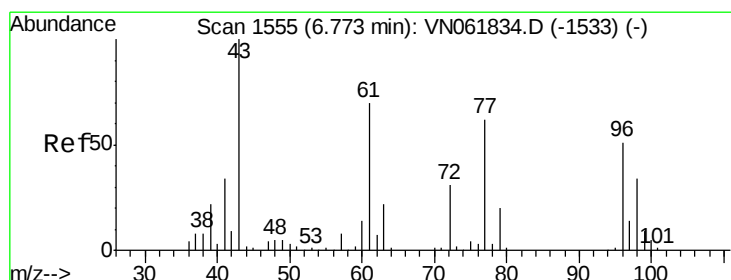
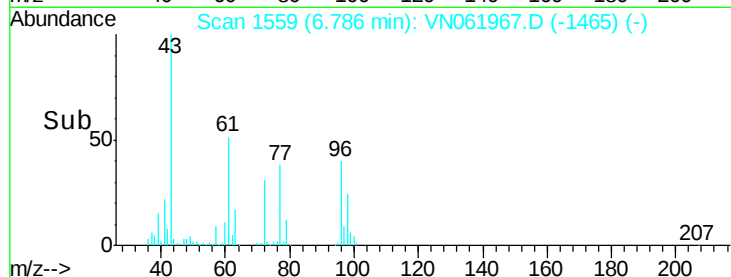
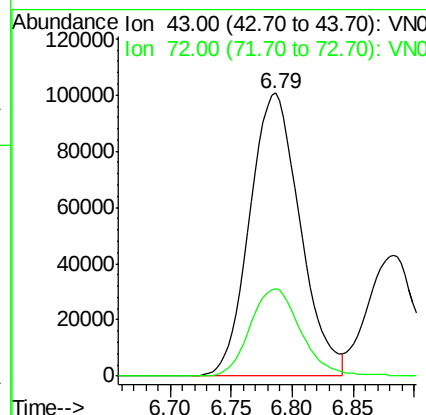
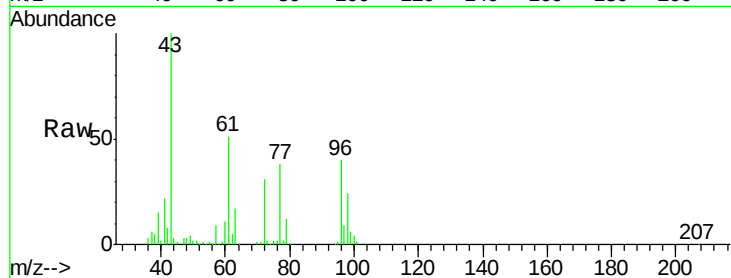
#25
2-Butanone
Concen: 288.170 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 287702
Ion Ratio Lower Upper
43 100
72 31.0 24.6 37.0

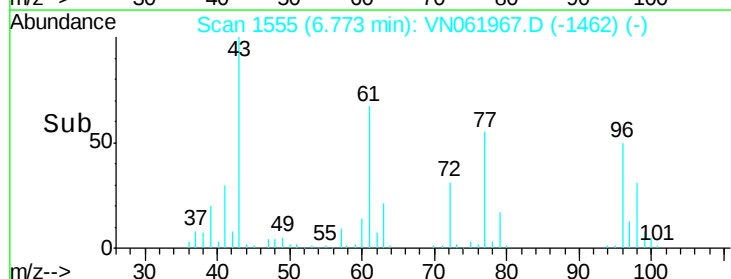
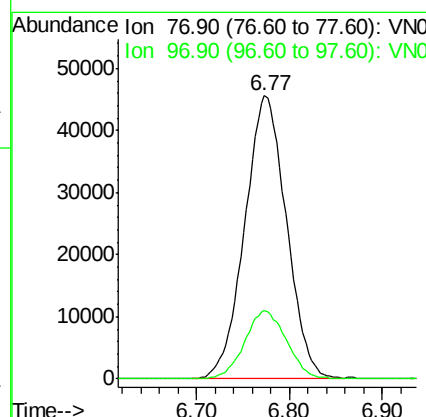
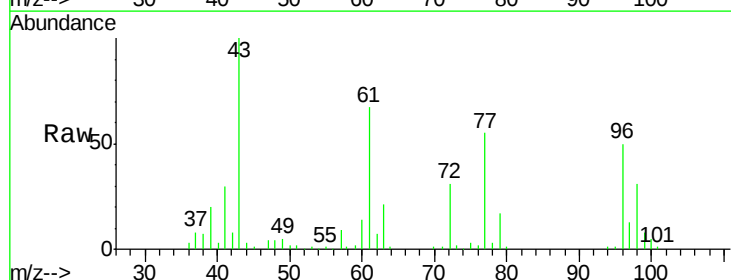
Manual Integrations
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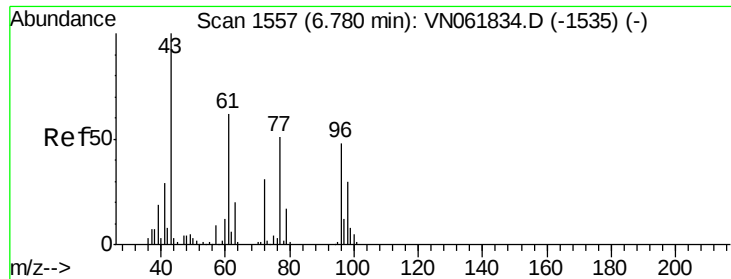
MMDadoda
6/22/2020 1:27:33 PM



#26
2,2-Dichloropropane
Concen: 48.727 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion: 77 Resp: 142966
Ion Ratio Lower Upper
77 100
97 24.2 11.7 35.0





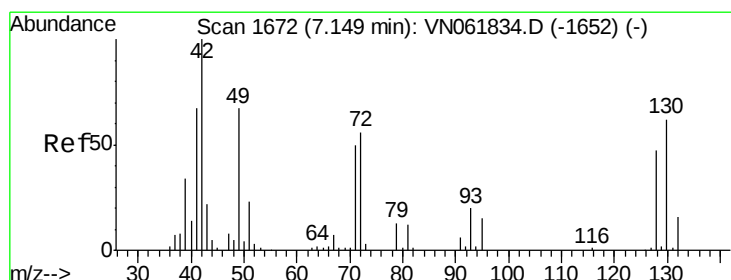
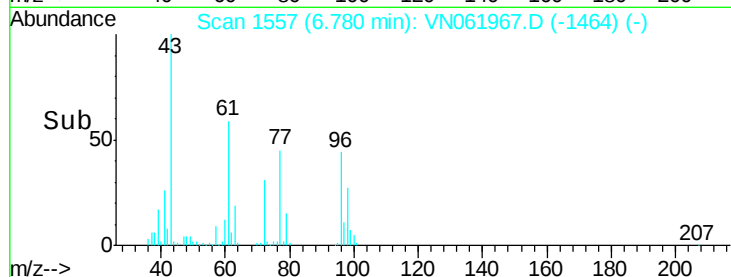
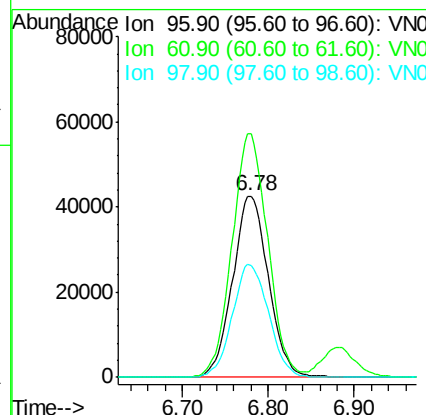
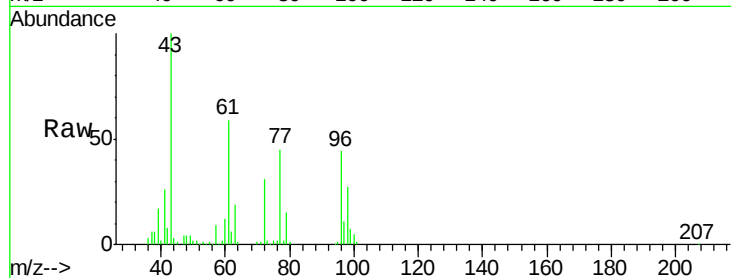
#27
 cis-1,2-Dichloroethene
 Concen: 53.002 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	133.8	0.0	265.6	
98	63.0	0.0	128.2	

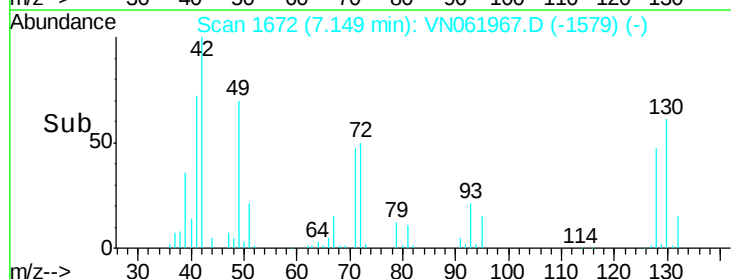
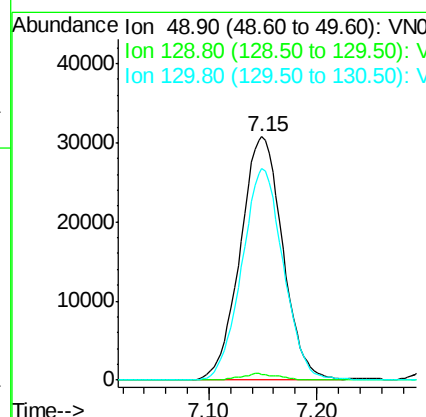
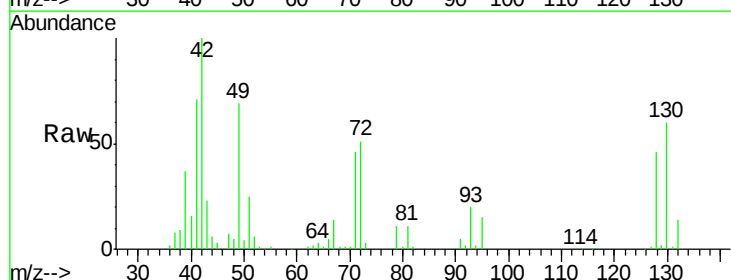
Manual Integrations
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 6/22/2020 1:27:33 PM



#28
 Bromochloromethane
 Concen: 54.180 ug/l
 RT: 7.15 min Scan# 1672
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.0	
130	85.1	72.2	108.2	





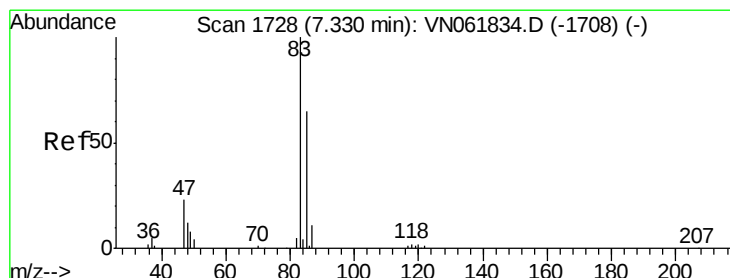
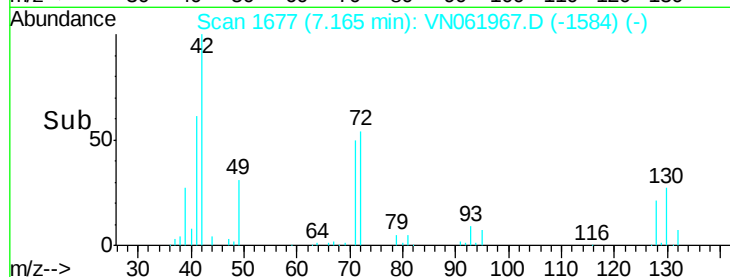
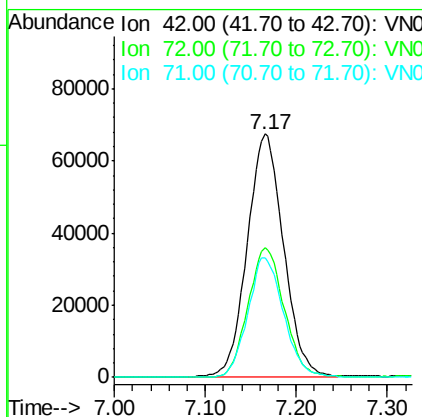
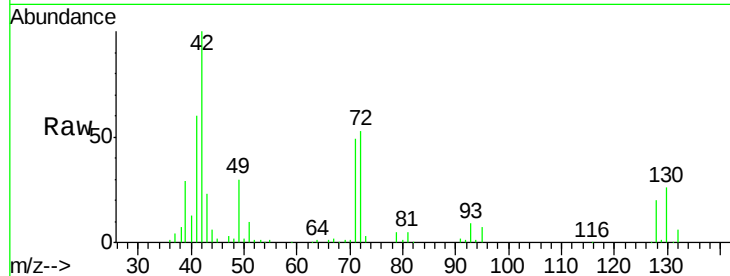
#29
Tetrahydrofuran
Concen: 285.685 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.0	44.0	66.0
71	48.5	40.0	60.0

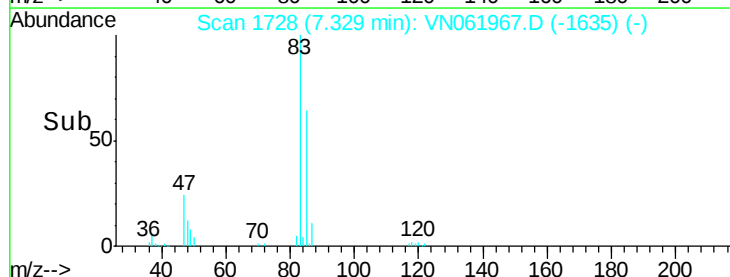
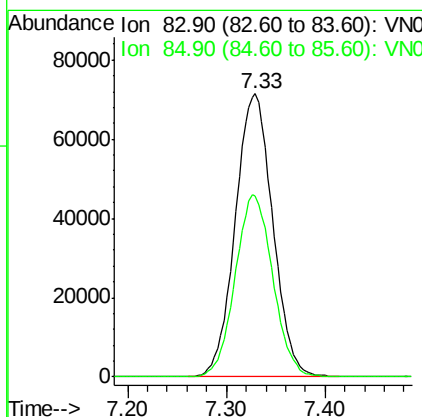
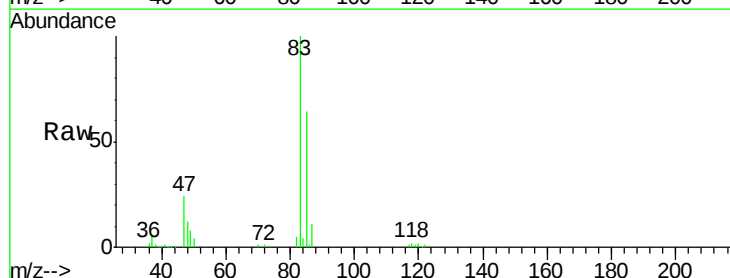
Manual Integrations
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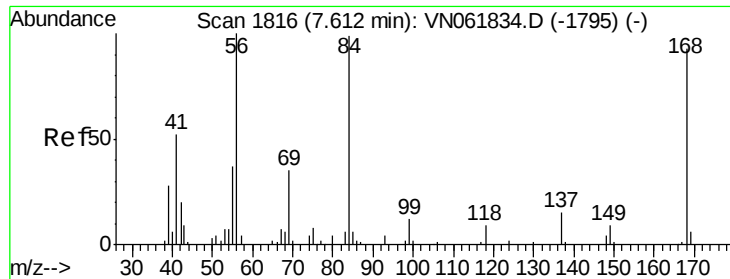
MMDadoda
6/22/2020 1:27:33 PM



#30
Chloroform
Concen: 50.462 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.0	78.0





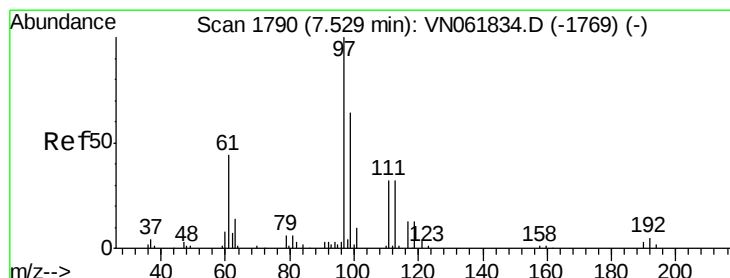
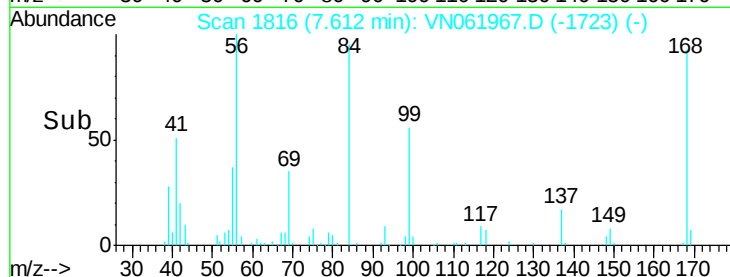
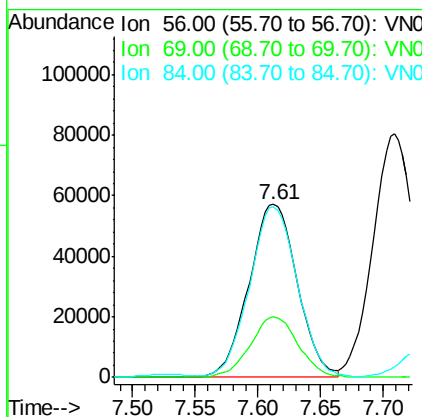
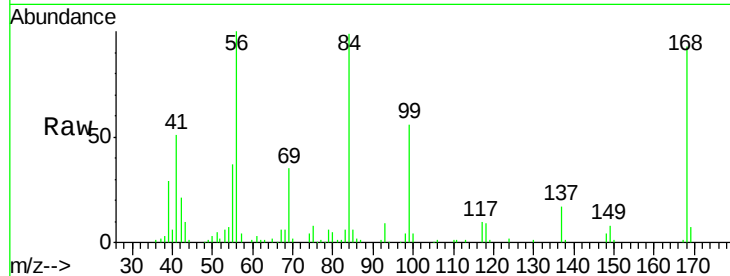
#31
Cyclohexane
Concen: 50.193 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.7	27.7	41.5
84	97.7	79.1	118.7

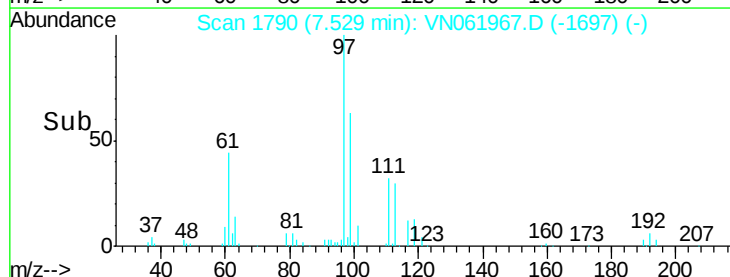
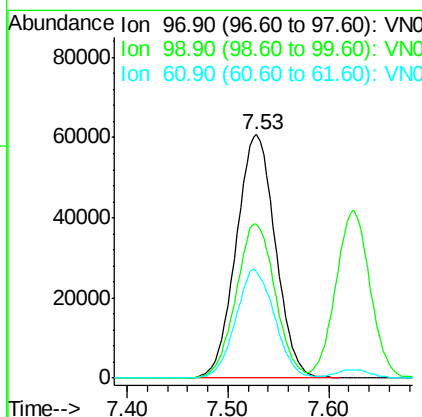
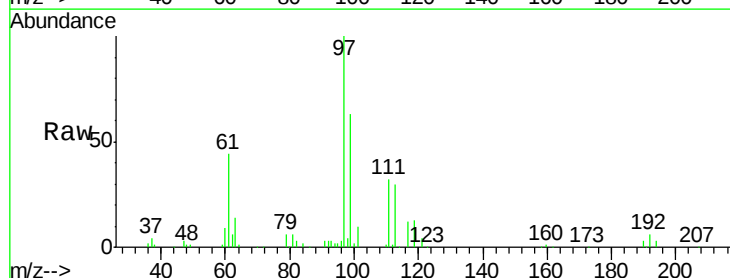
Manual Integrations
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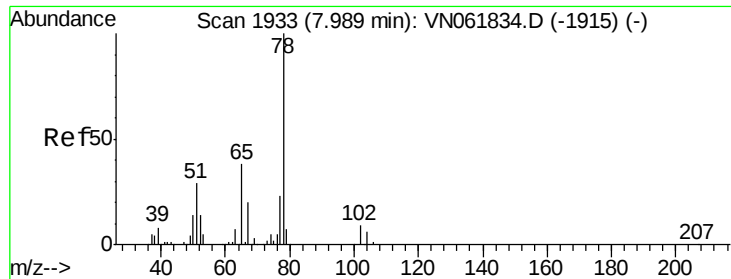
MMDadoda
6/22/2020 1:27:33 PM



#32
1,1,1-Trichloroethane
Concen: 51.575 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.5	77.3
61	44.2	35.1	52.7





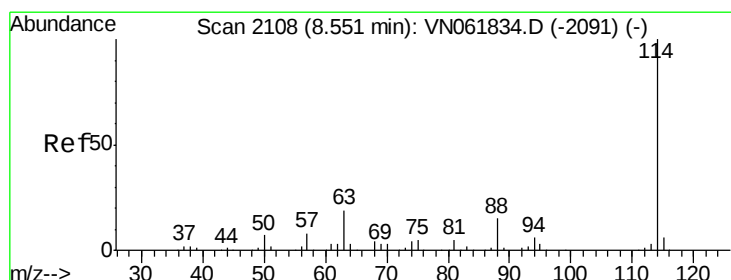
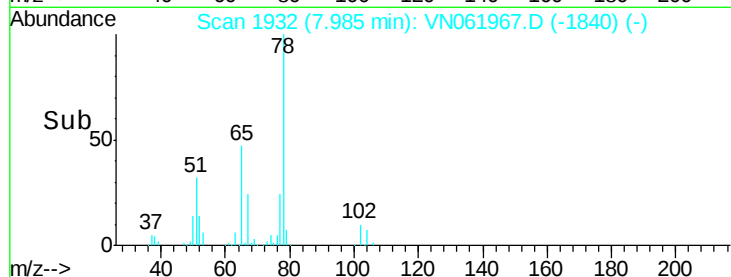
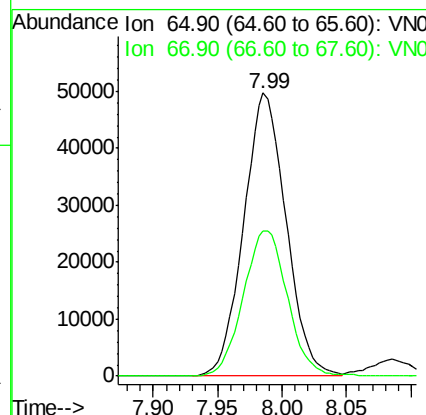
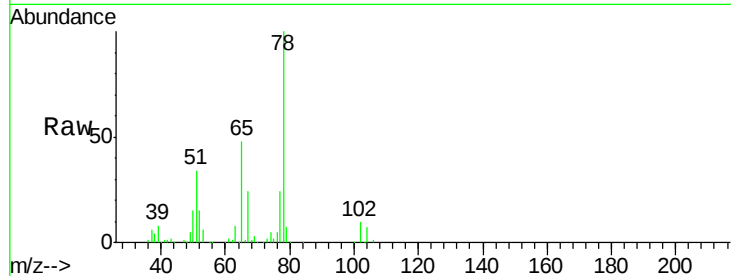
#33
 1,2-Dichloroethane-d4
 Concen: 49.062 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	113657		
67	53.6	0.0	106.2	

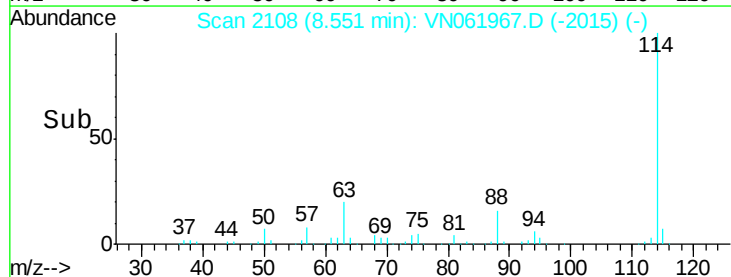
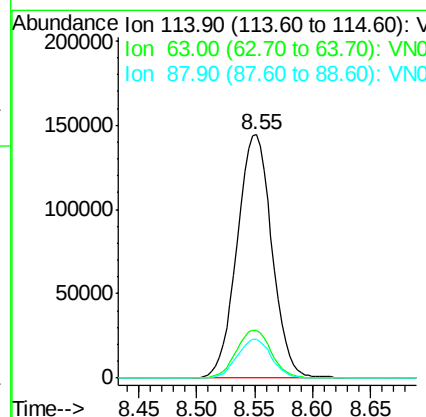
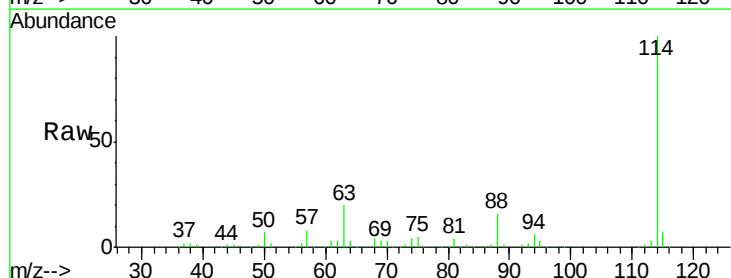
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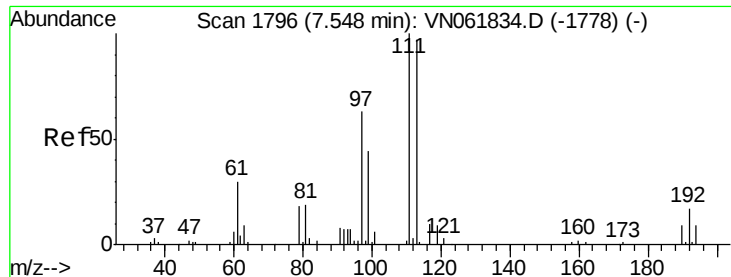
MMDadoda
 6/22/2020 1:27:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	301999		
63	19.5	0.0	37.6	
88	15.9	0.0	31.0	





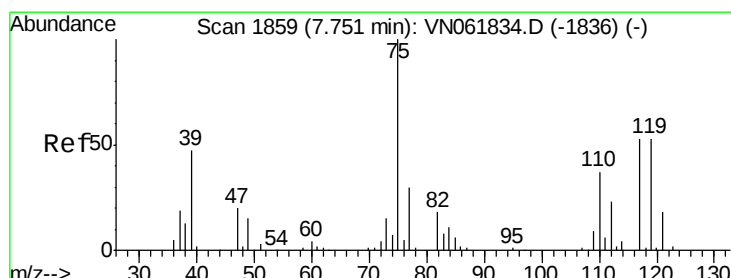
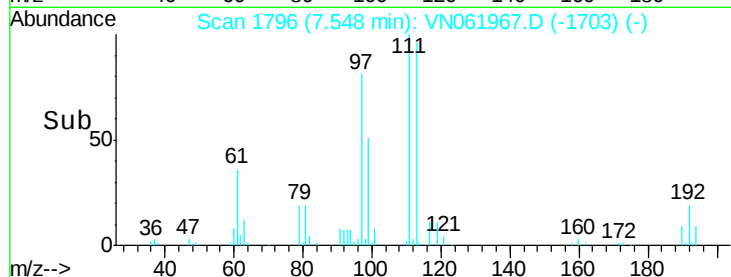
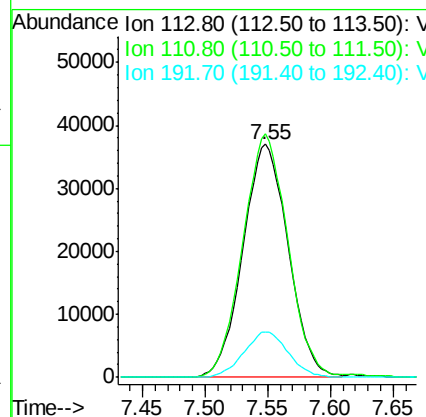
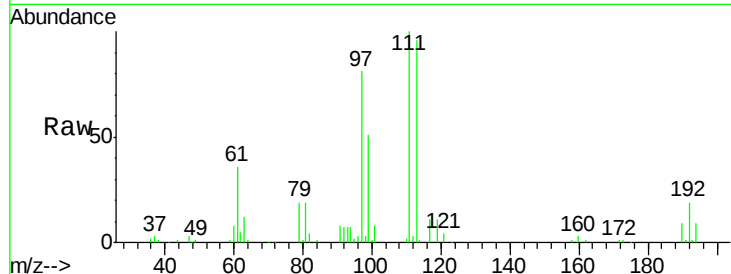
#35
Dibromofluoromethane
Concen: 48.178 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	83.7	125.5
192	19.0	13.9	20.9

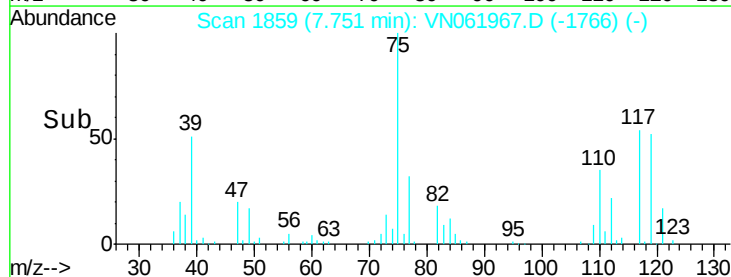
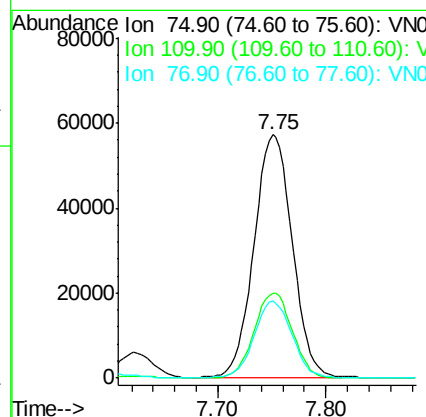
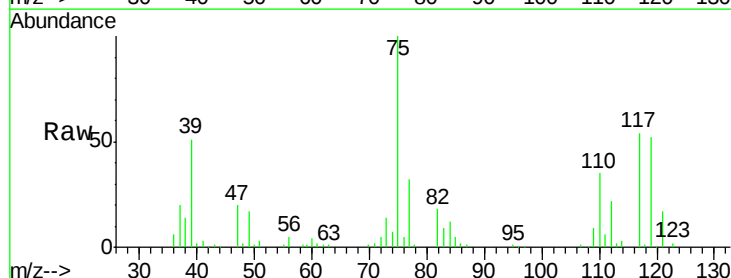
Manual Integrations
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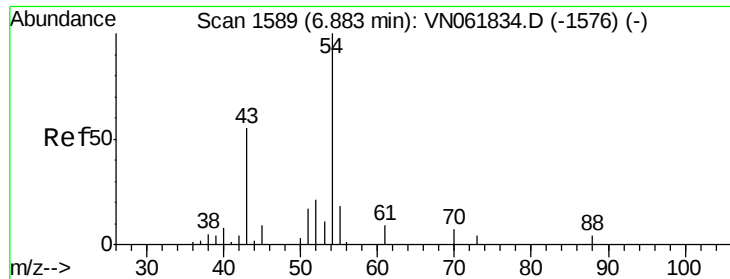
MMDadoda
6/22/2020 1:27:33 PM



#36
1,1-Dichloropropene
Concen: 51.481 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	18.2	54.6
77	31.2	24.2	36.4





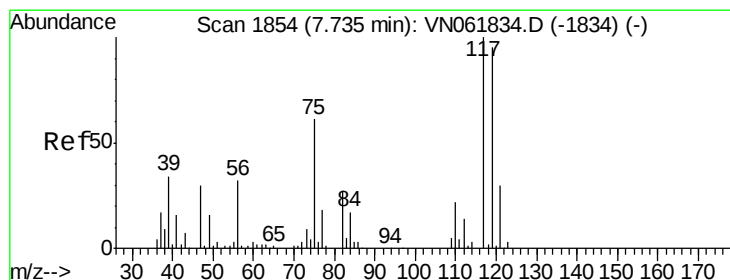
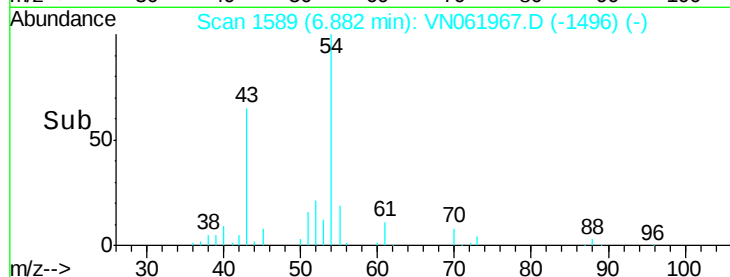
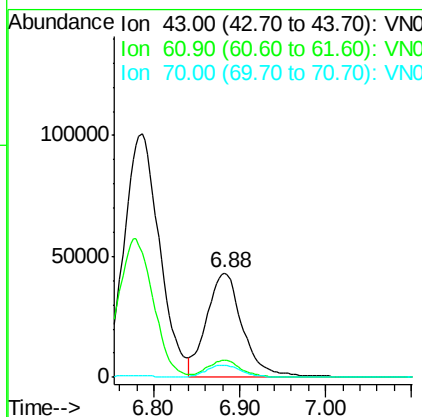
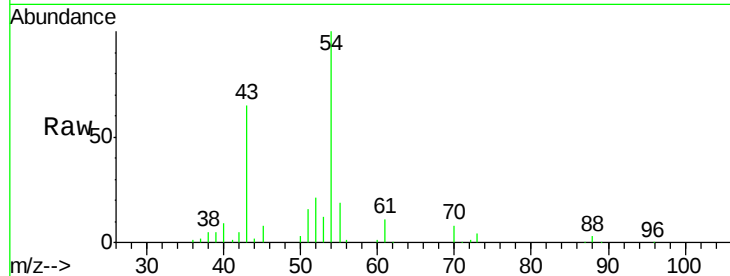
#37
Ethyl Acetate
Concen: 57.681 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	13.0	19.4
70	11.7	9.4	14.2

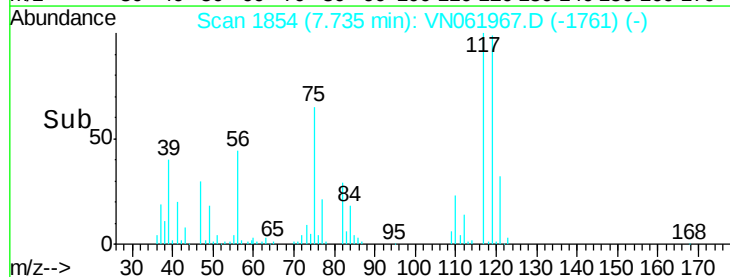
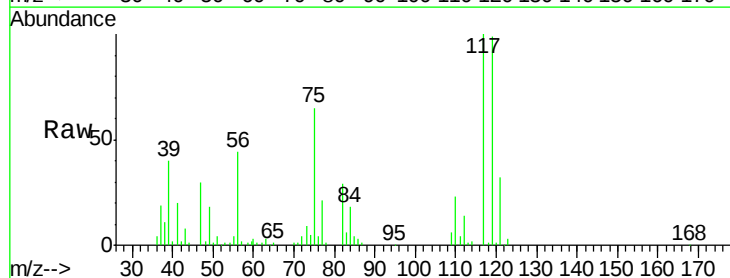
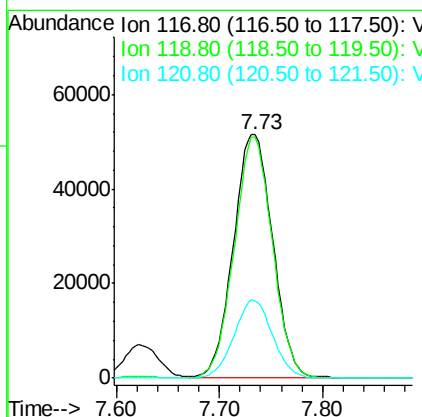
Manual Integrations
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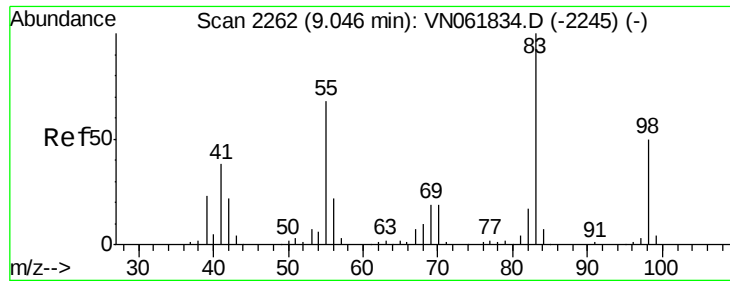
MMDadoda
6/22/2020 1:27:33 PM



#38
Carbon Tetrachloride
Concen: 50.171 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	75.8	113.6
121	31.9	23.8	35.6





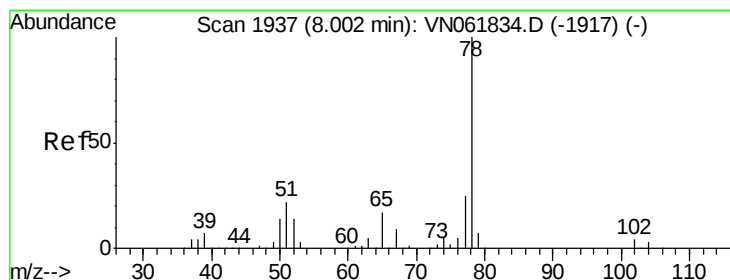
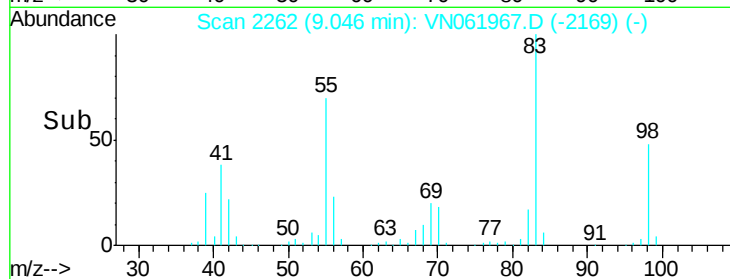
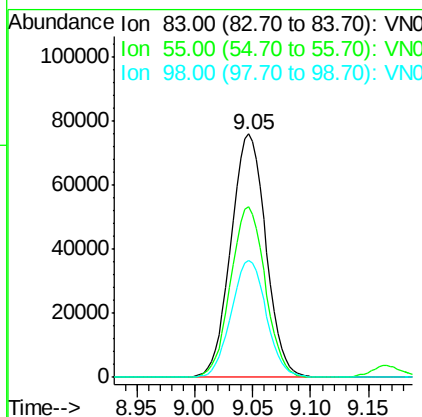
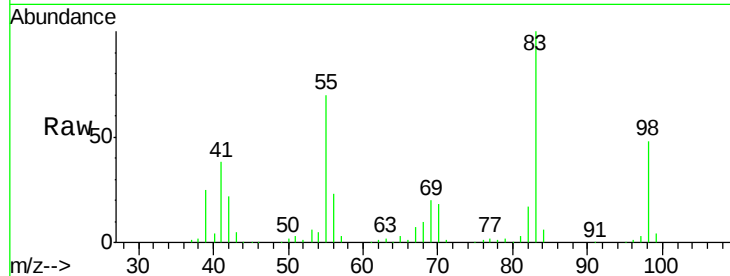
#39
Methvlcvclohexane
Concen: 53.584 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.1	54.2	81.4
98	48.1	39.8	59.6

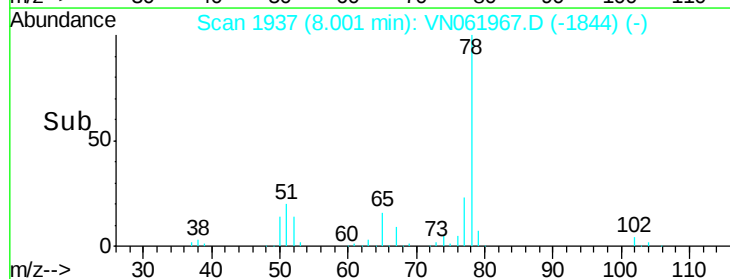
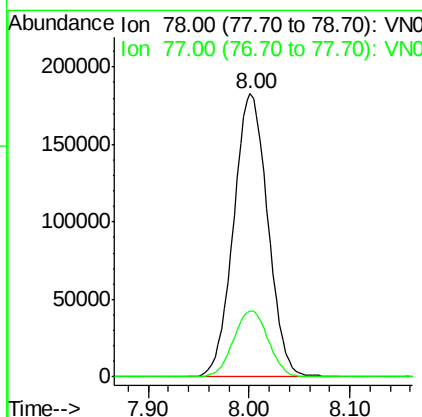
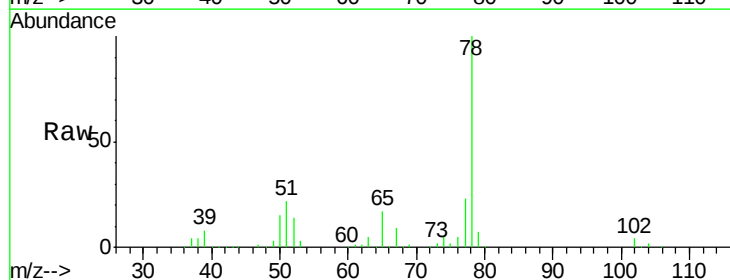
Manual Integrations
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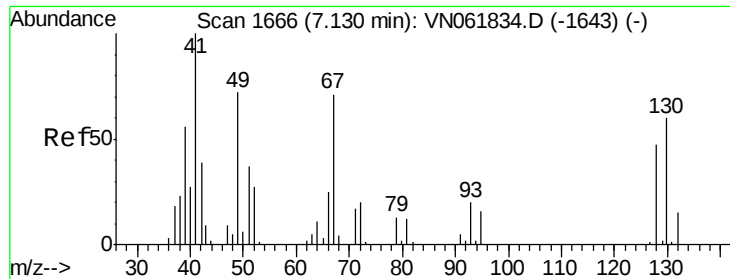
MMDadoda
6/22/2020 1:27:33 PM



#40
Benzene
Concen: 51.594 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.7	29.5





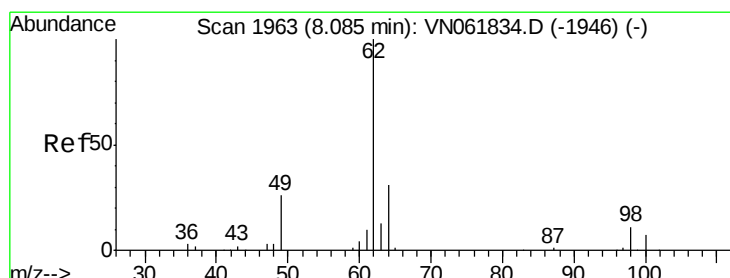
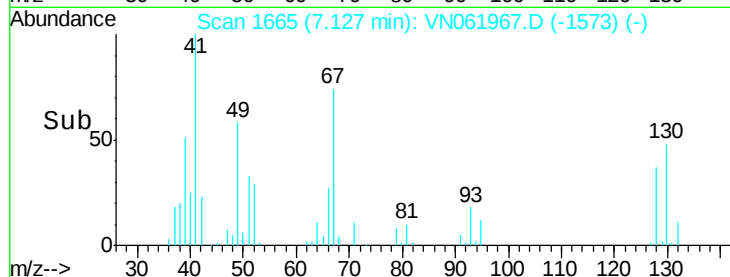
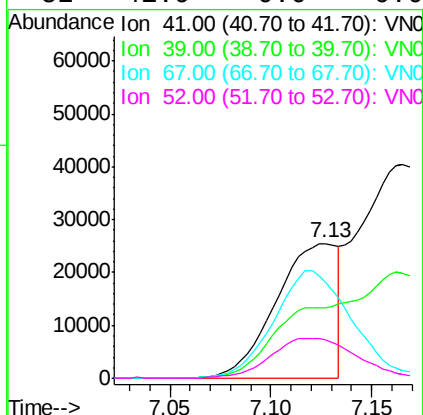
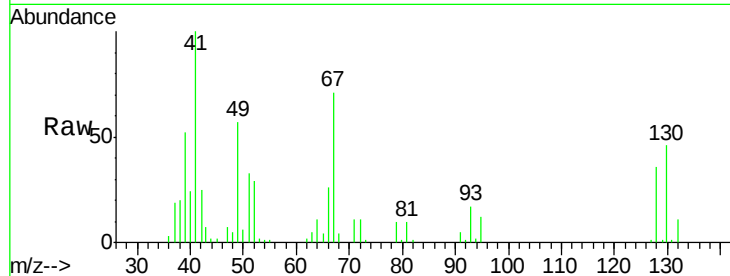
#41
Methacrylonitrile
Concen: 58.831 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	0.0	0.0	
67	101.7	0.0	0.0	
52	41.9	0.0	0.0	

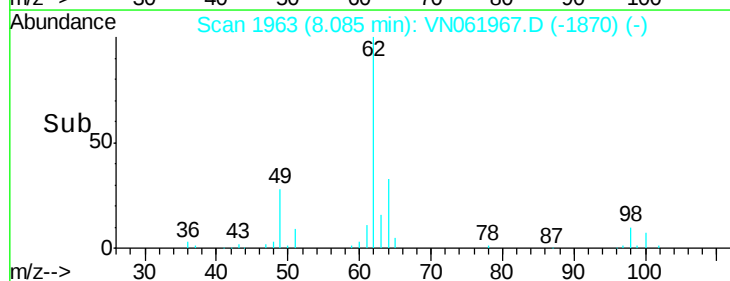
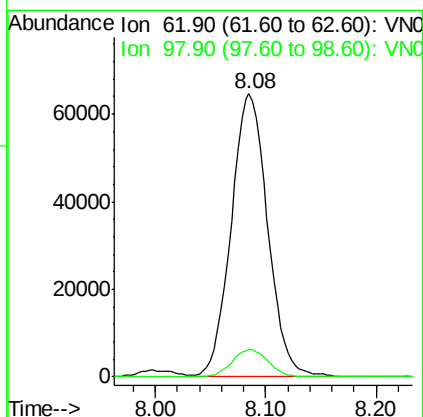
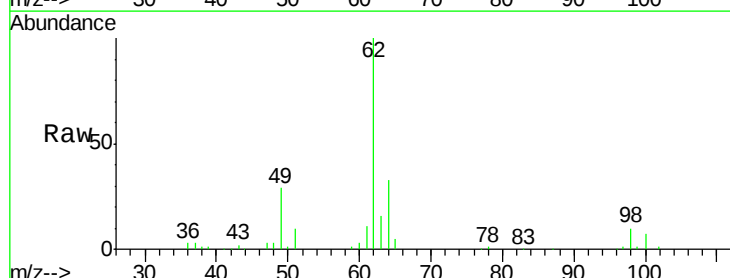
Manual Integrations
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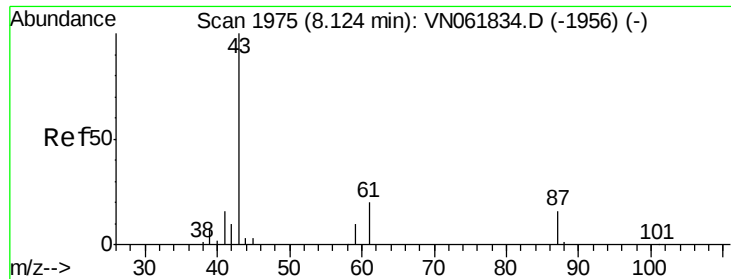
MMDadoda
6/22/2020 1:27:33 PM



#42
1,2-Dichloroethane
Concen: 51.869 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.6	0.0	20.4	





#43

Isopropyl Acetate

Concen: 58.347 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

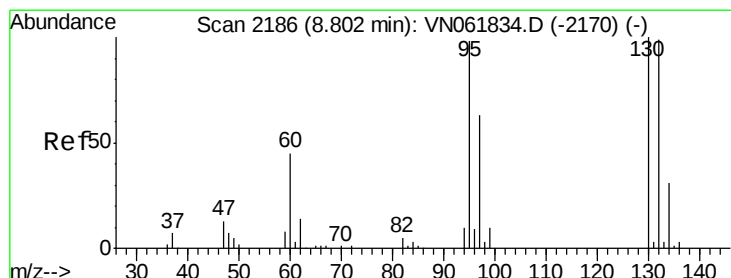
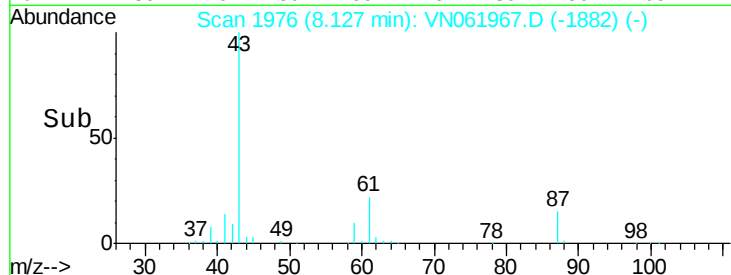
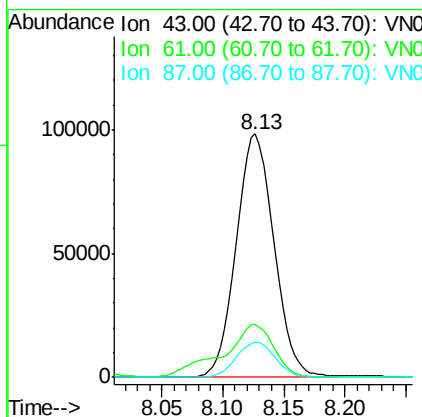
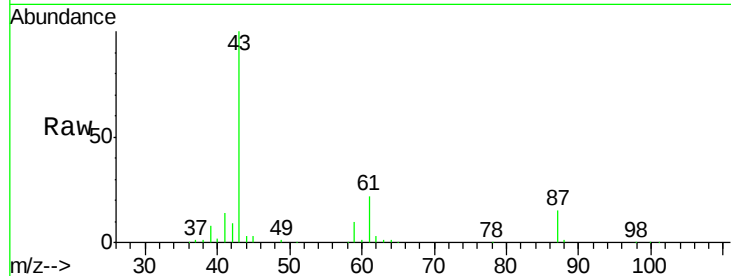
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	211508
Ion	Ratio	Lower	Upper
43	100		
61	28.7	24.0	36.0
87	15.0	12.5	18.7

Manual Integrations
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#44

Trichloroethene

Concen: 49.971 ug/l

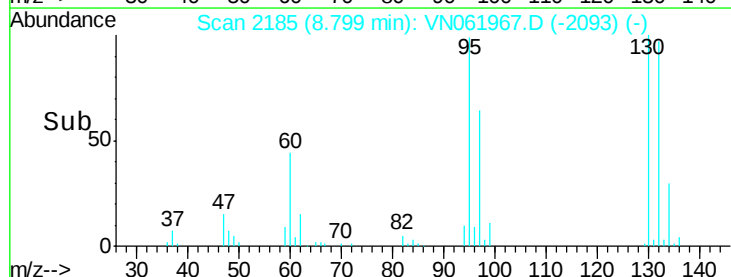
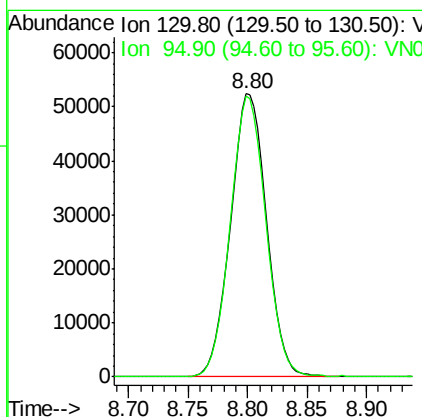
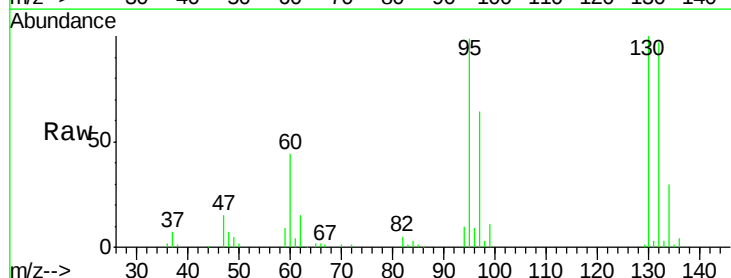
RT: 8.80 min Scan# 2185

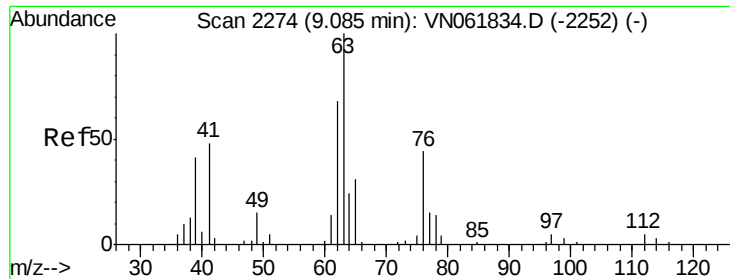
Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Tgt Ion:	130	Resp:	109735
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	195.6





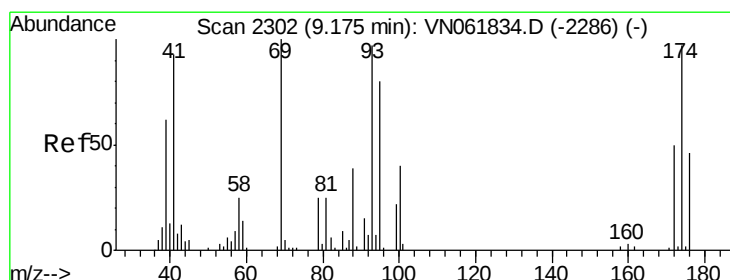
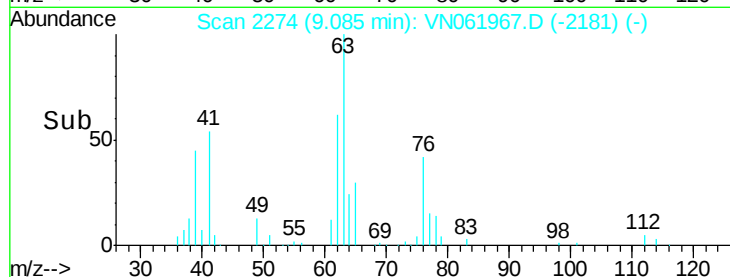
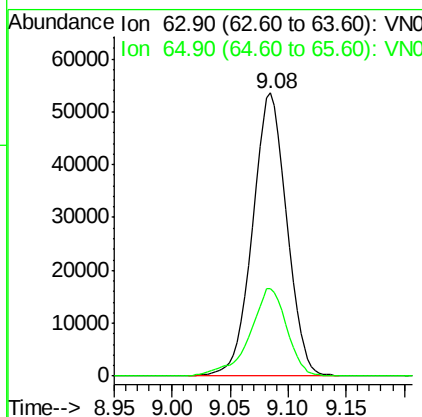
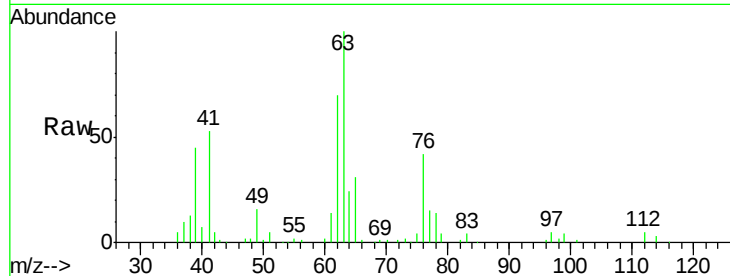
#45
 1,2-Dichloropropane
 Concen: 53.799 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 110321
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.1 37.7

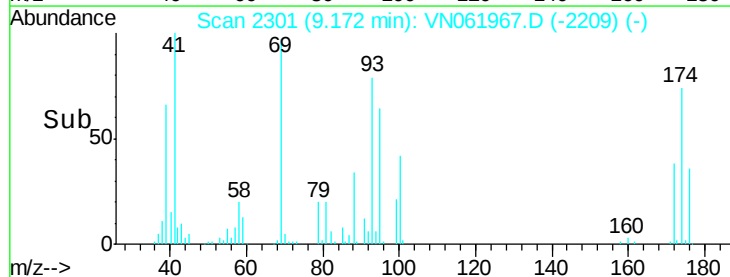
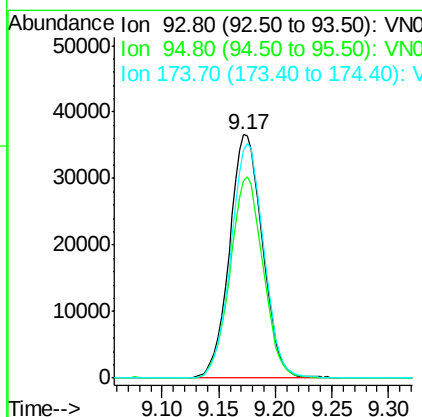
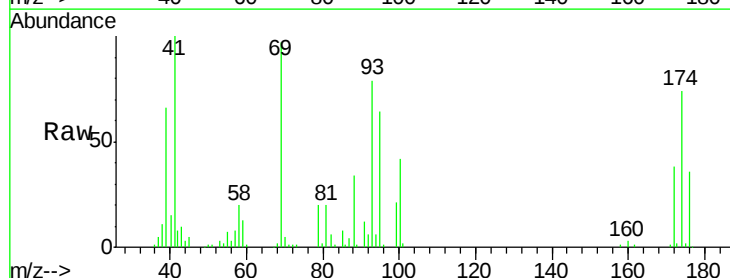
Manual Integrations
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#46
 Dibromomethane
 Concen: 51.622 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Tgt Ion: 93 Resp: 74542
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.8 98.6
 174 95.7 78.5 117.7





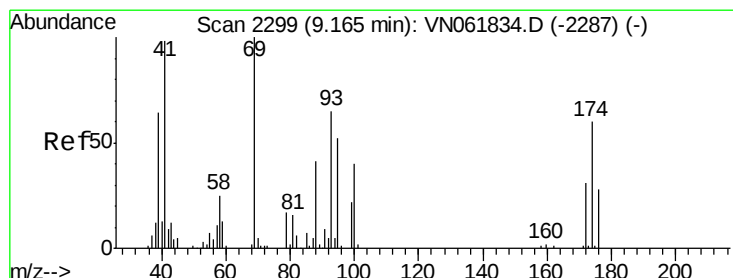
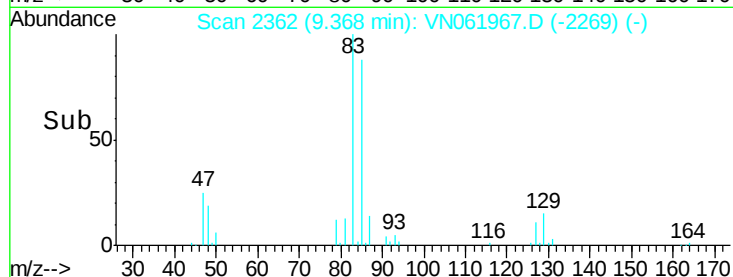
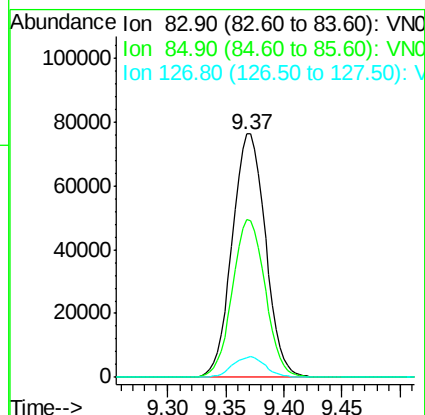
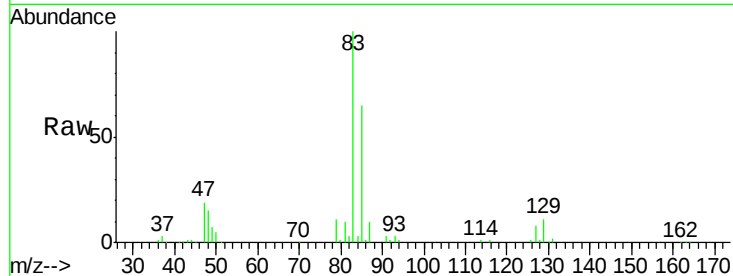
#47
Bromodichloromethane
Concen: 51.595 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.8	76.2
127	8.2	7.0	10.4

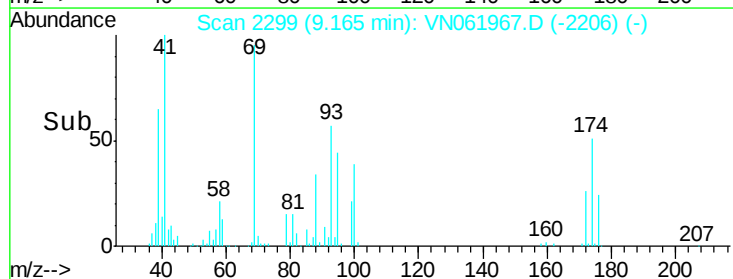
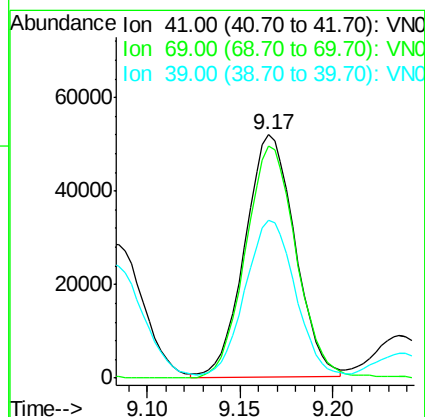
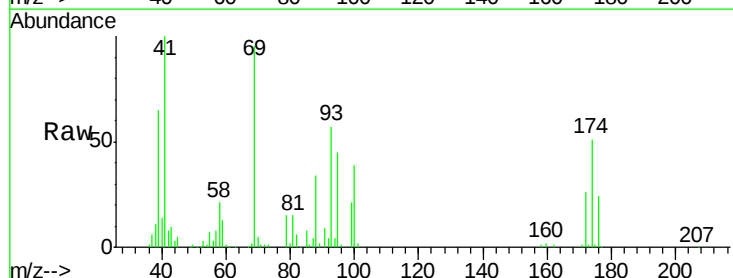
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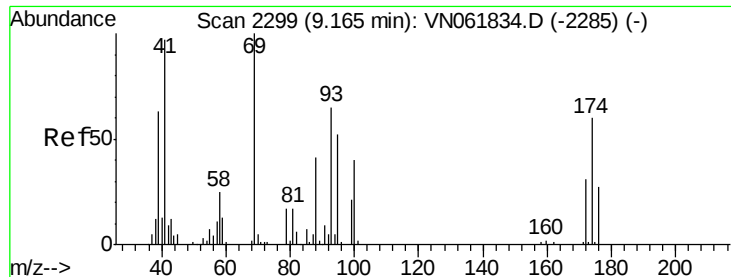
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#48
Methyl methacrylate
Concen: 58.815 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
41	100		
69	97.5	83.0	124.4
39	65.9	55.1	82.7





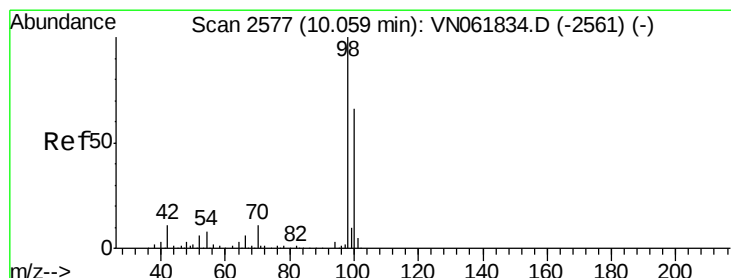
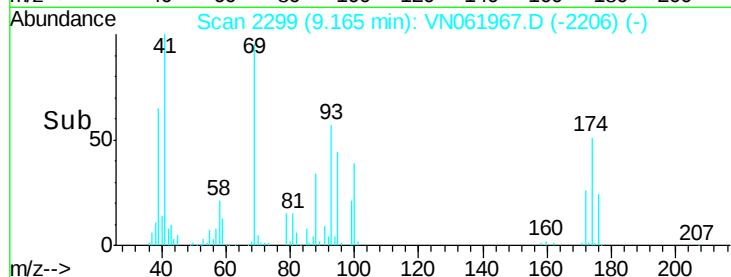
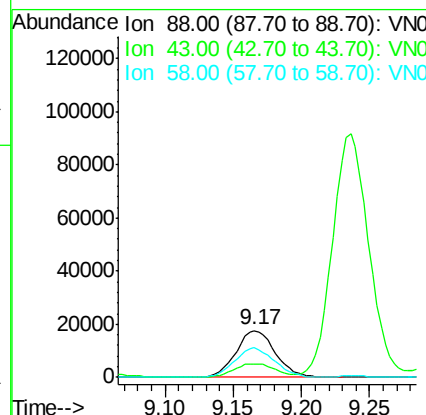
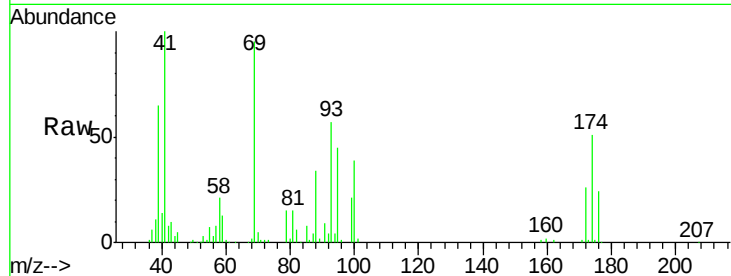
#49
 1,4-Dioxane
 Concen: 936.635 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	23.4	35.2
58	63.3	49.8	74.6

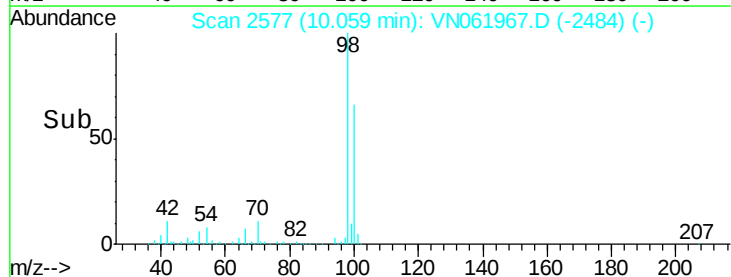
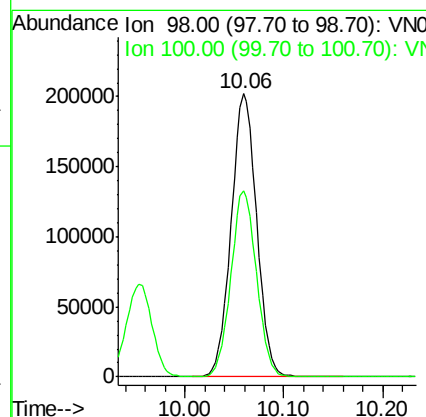
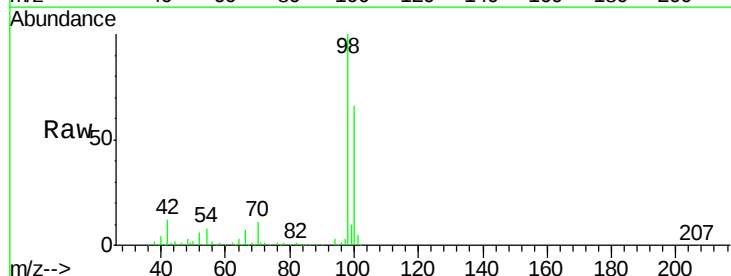
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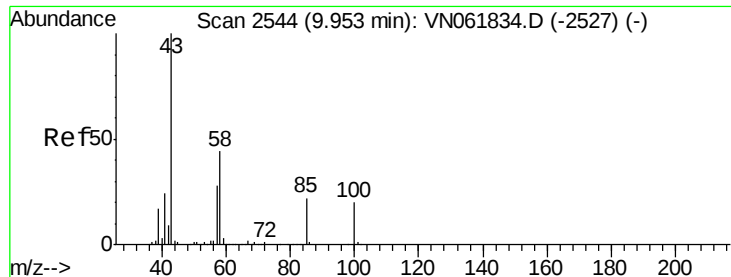
MMDadoda
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#50
 Toluene-d8
 Concen: 48.278 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 293.581 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 628896

Ion Ratio Lower Upper

43 100

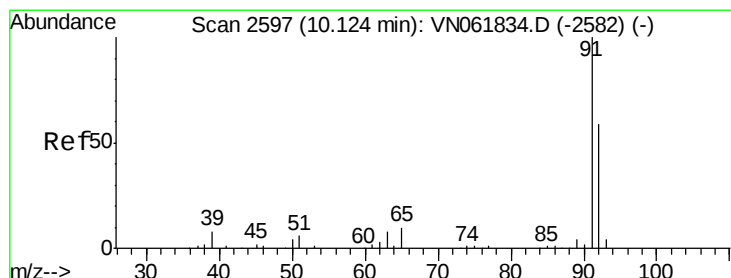
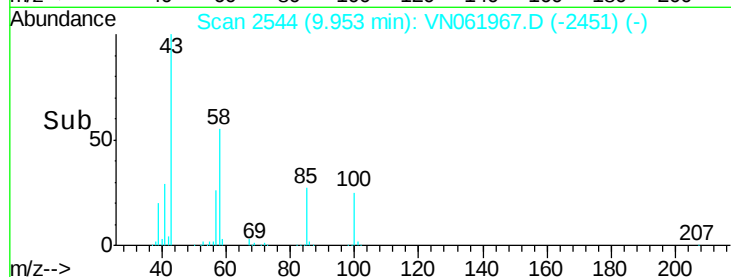
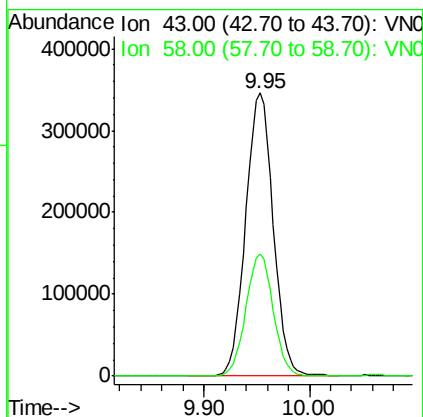
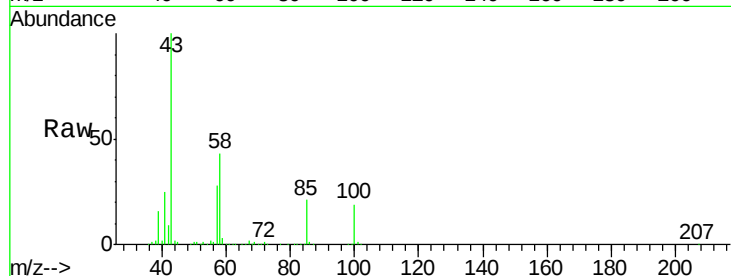
58 42.8 34.6 52.0

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#52

Toluene

Concen: 53.665 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061967.D

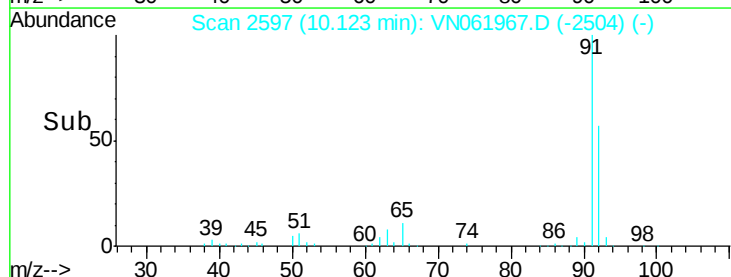
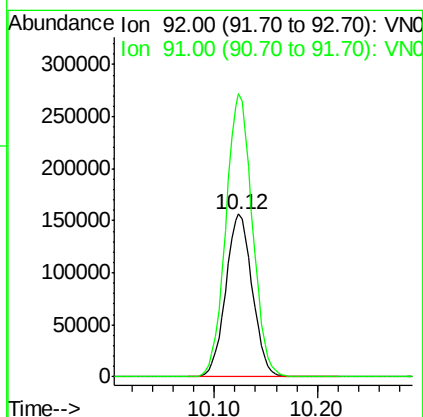
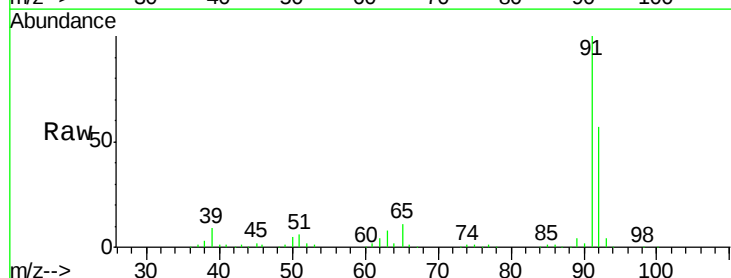
Acq: 19 Jun 2020 21:12

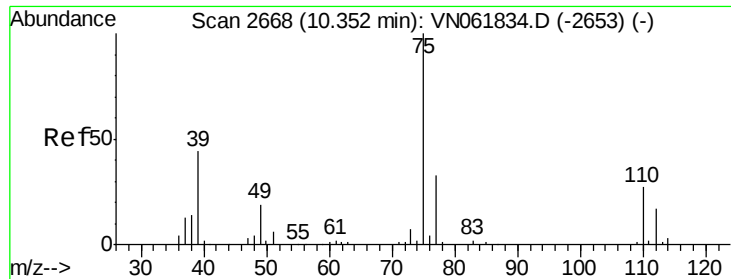
Tgt Ion: 92 Resp: 281226

Ion Ratio Lower Upper

92 100

91 173.8 137.1 205.7





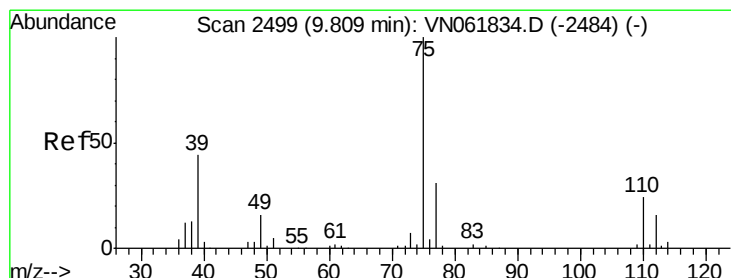
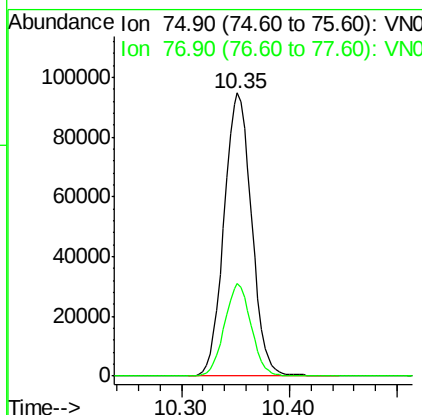
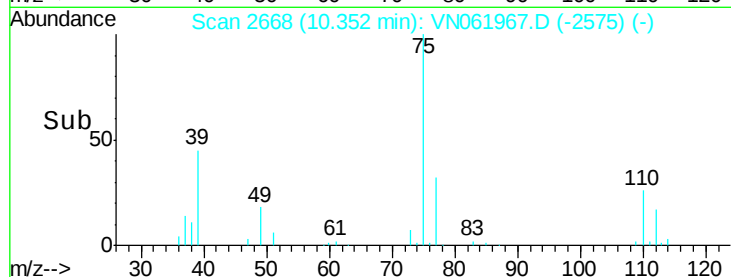
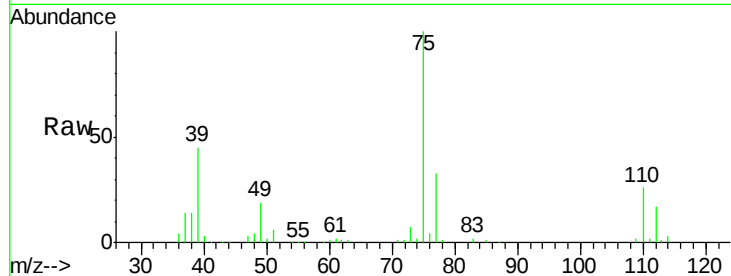
#53
 t-1,3-Dichloropropene
 Concen: 53.762 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	26.3	39.5

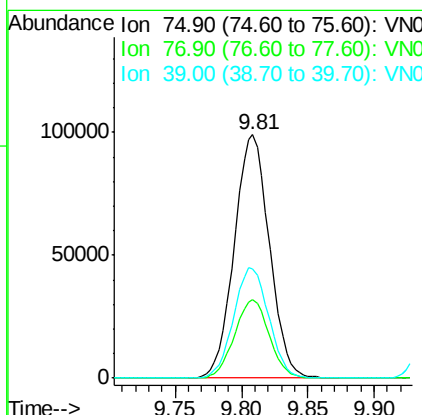
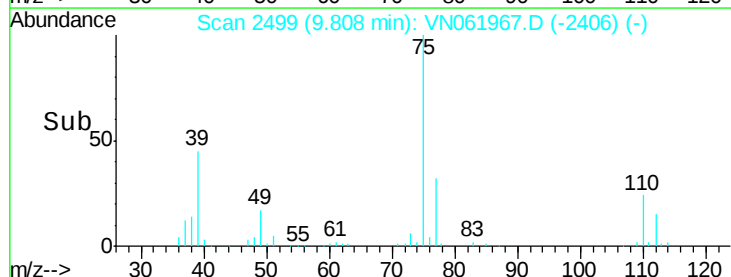
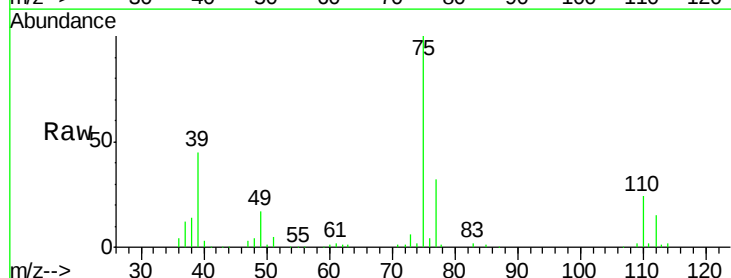
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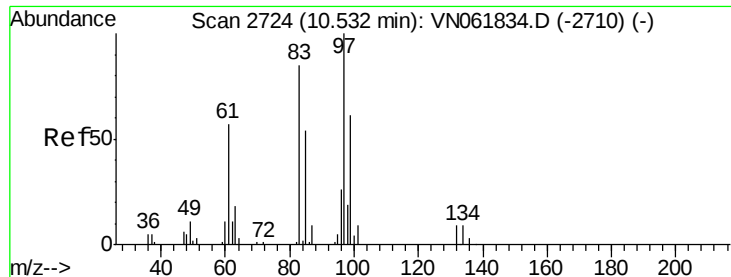
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#54
 cis-1,3-Dichloropropene
 Concen: 53.524 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.8	37.2
39	45.1	35.4	53.0





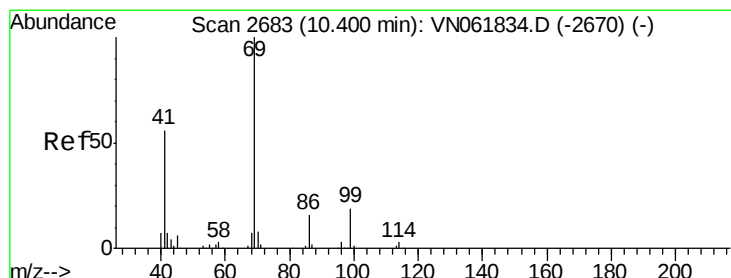
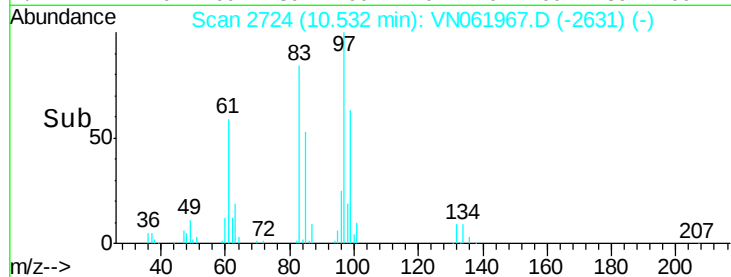
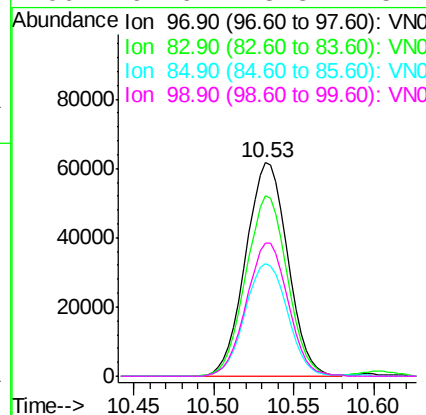
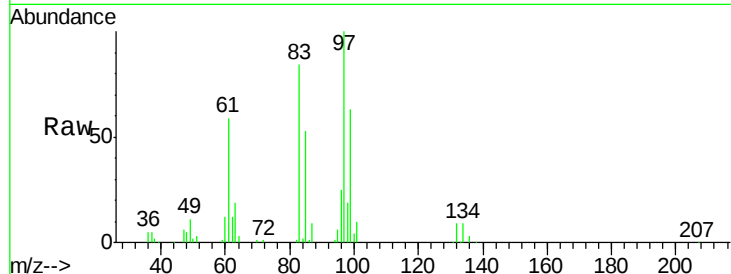
#55
 1,1,2-Trichloroethane
 Concen: 54.150 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	111649
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.7	101.5
85	52.8	43.4	65.0
99	62.6	48.8	73.2

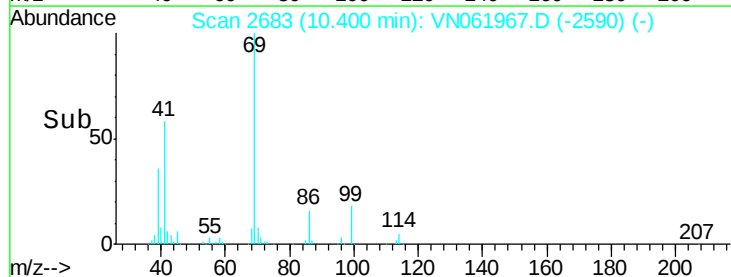
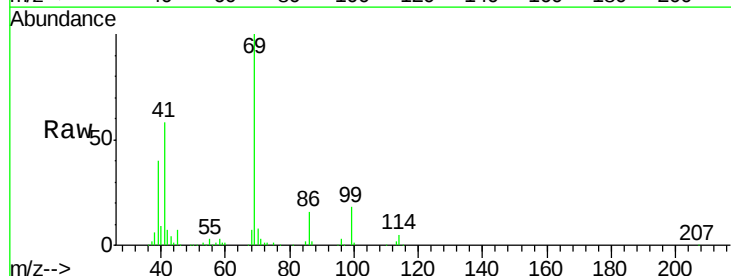
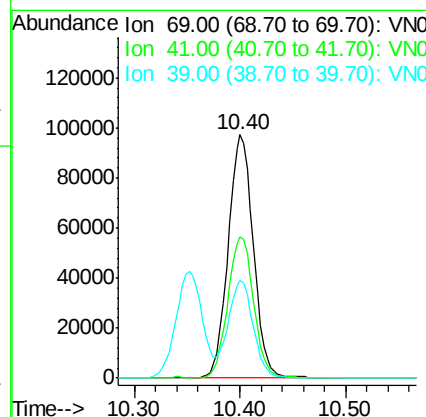
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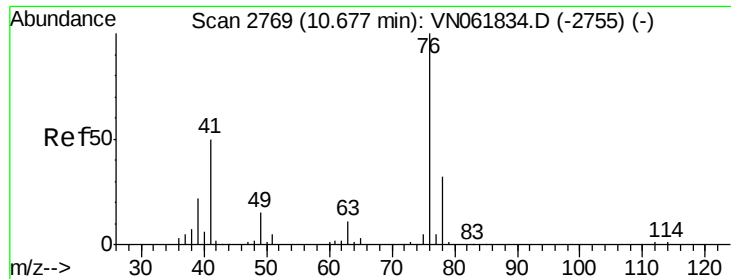
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#56
 Ethyl methacrylate
 Concen: 50.813 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Tgt Ion:	69	Resp:	160188
Ion	Ratio	Lower	Upper
69	100		
41	60.0	44.9	67.3
39	39.0	30.0	45.0





#57

1,3-Dichloropropane

Concen: 53.133 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 185596

Ion Ratio Lower Upper

76 100

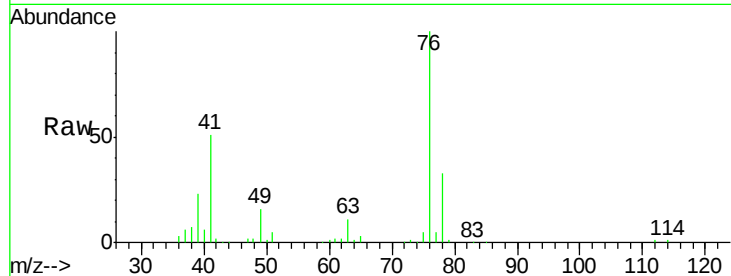
78 32.9 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN061834.D (-2755) (-)

Ion 77.90 (77.60 to 78.60): VN061834.D (-2755) (-)

10.68

120000

100000

80000

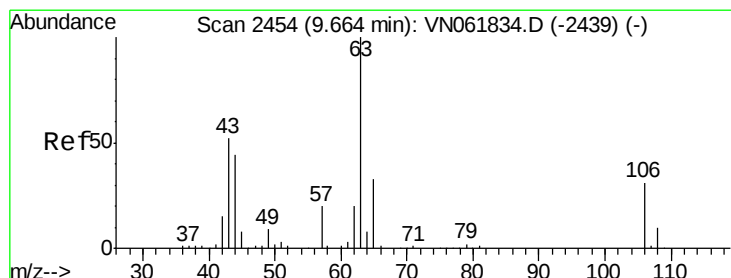
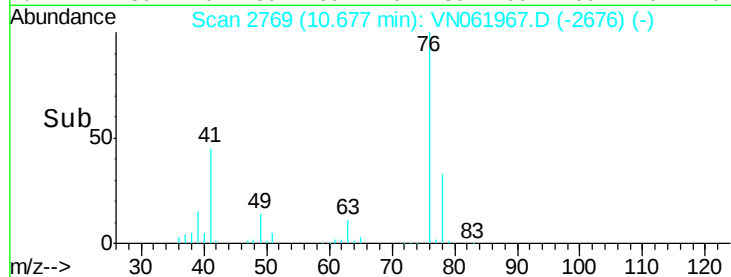
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 291.951 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN061967.D

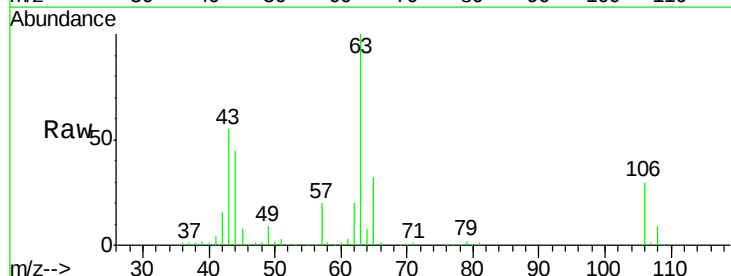
Acq: 19 Jun 2020 21:12

Tgt Ion: 63 Resp: 317691

Ion Ratio Lower Upper

63 100

106 29.3 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN061834.D (-2439) (-)

Ion 105.90 (105.60 to 106.60): VN061834.D (-2439) (-)

9.66

200000

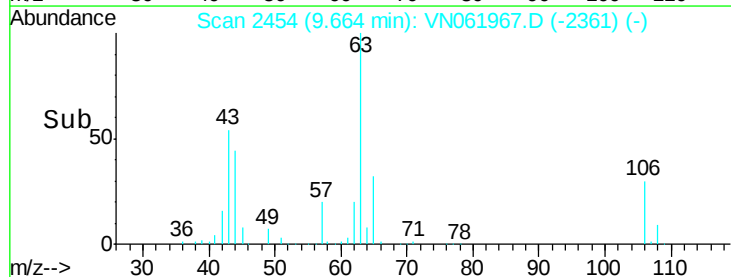
150000

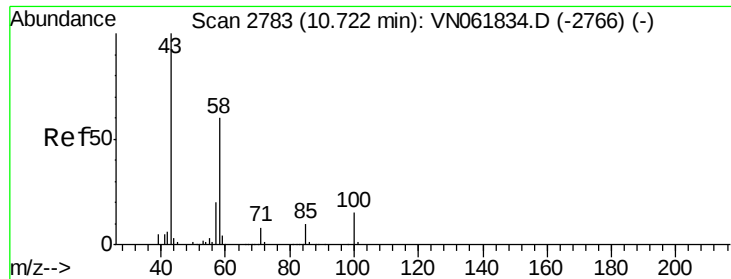
100000

50000

0

Time-->





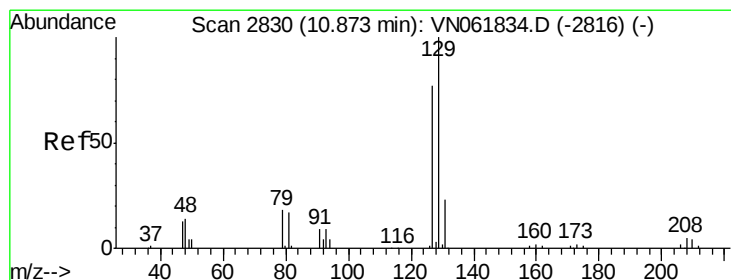
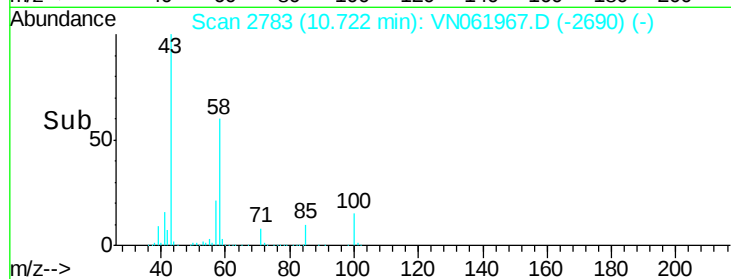
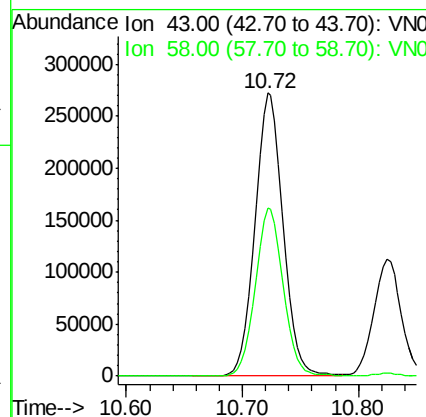
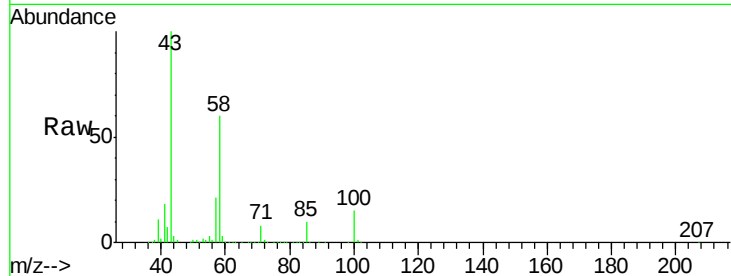
#59
2-Hexanone
Concen: 268.042 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	460474
Ion	Ratio	Lower	Upper
43	100		
58	59.1	30.1	90.5

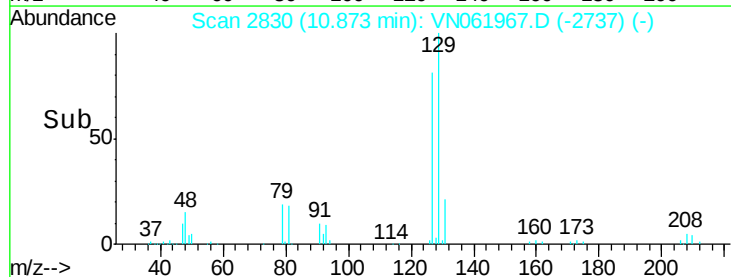
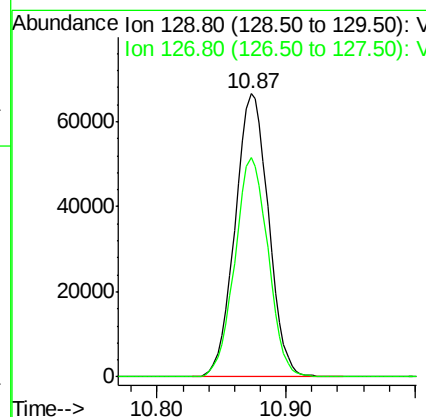
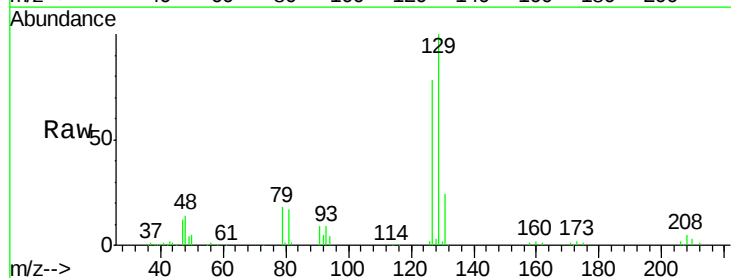
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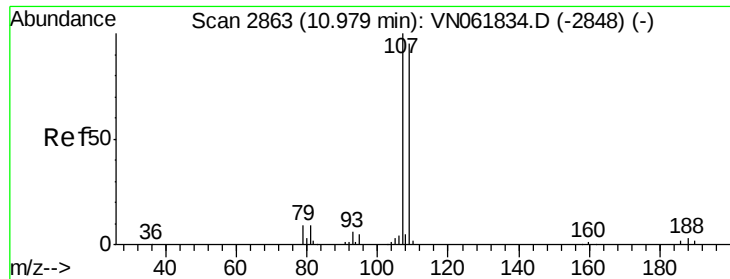
MMDadoda
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#60
Dibromochloromethane
Concen: 52.120 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	129	Resp	119911
Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.5	115.5





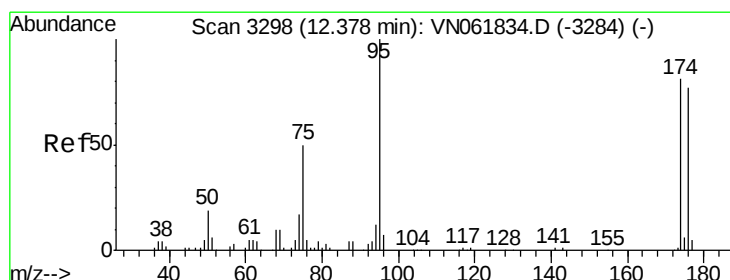
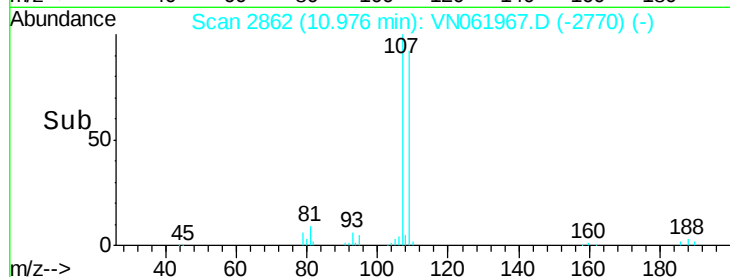
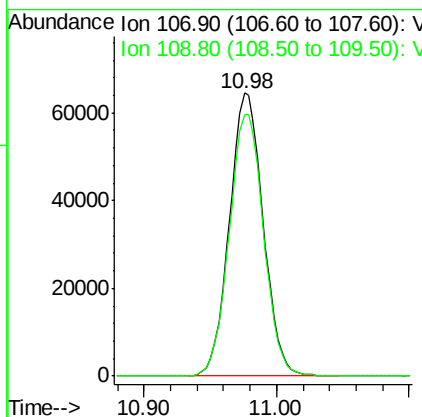
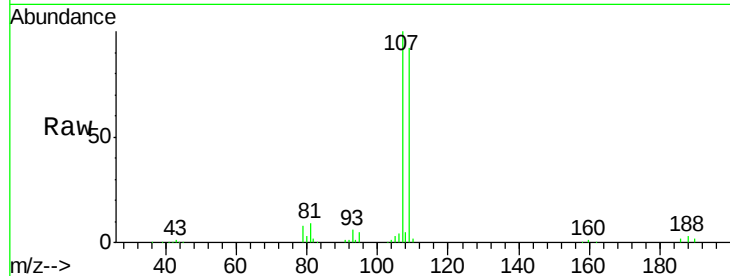
#61
 1,2-Dibromoethane
 Concen: 52.892 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 113874
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.0 112.6

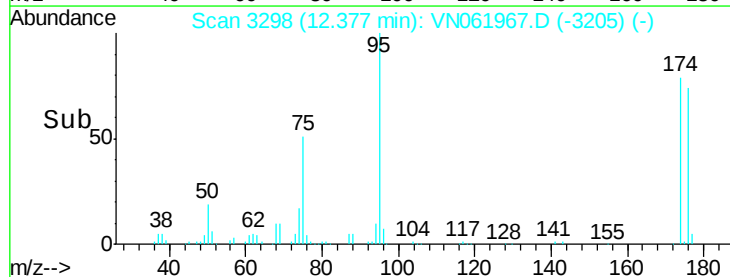
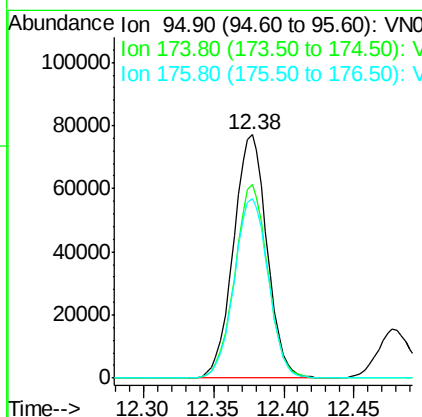
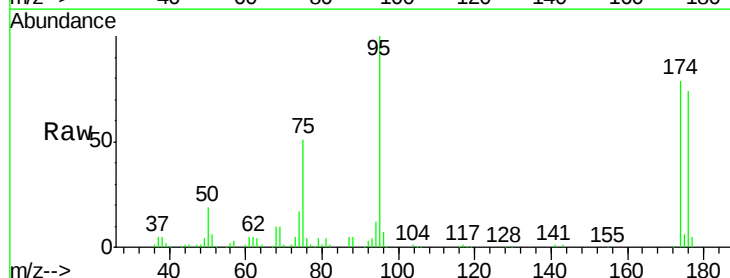
Manual Integrations
 APPROVED

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 6/22/2020 1:27:33 PM



#62
 4-Bromofluorobenzene
 Concen: 49.303 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Tgt Ion: 95 Resp: 128454
 Ion Ratio Lower Upper
 95 100
 174 78.4 0.0 158.6
 176 74.9 0.0 152.0





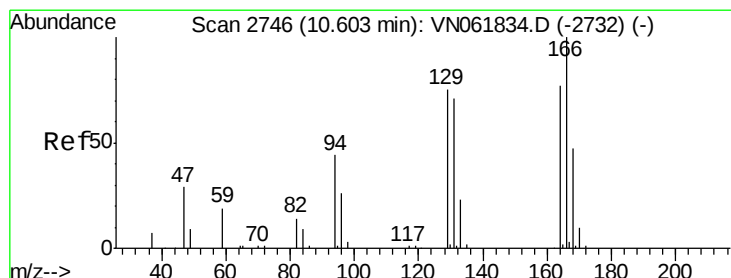
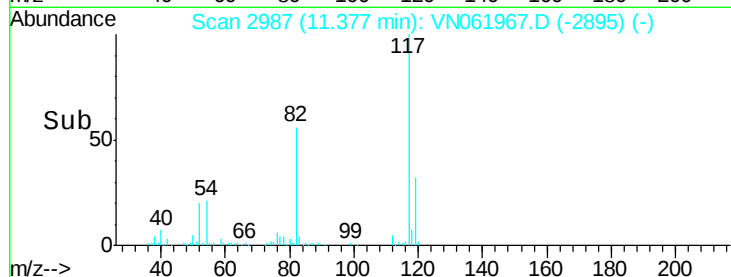
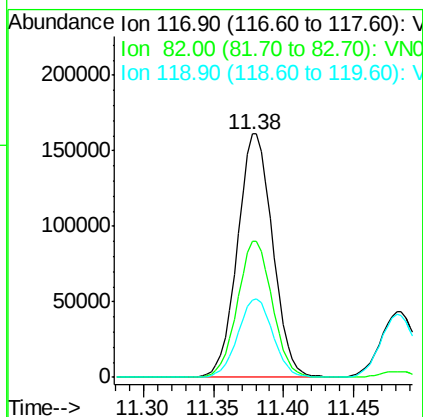
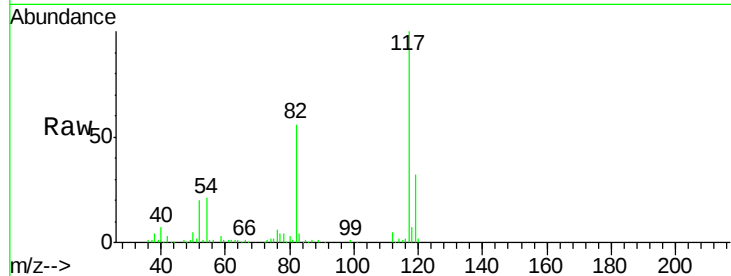
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	281700		
82	55.7	42.6	64.0	
119	31.8	24.7	37.1	

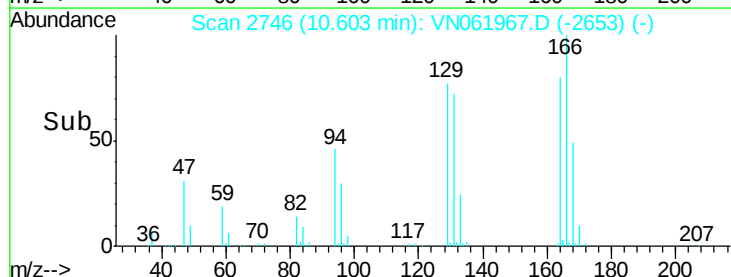
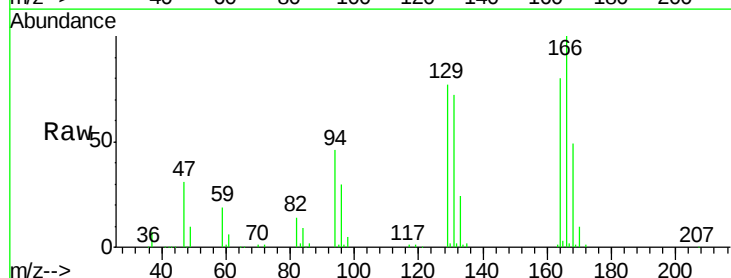
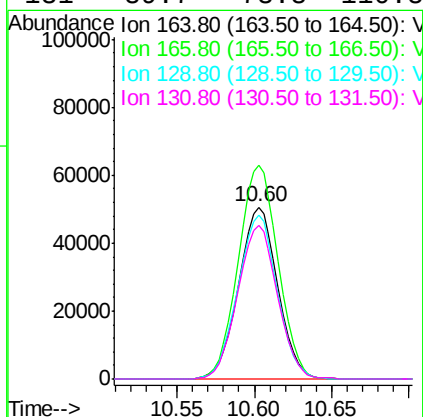
Manual Integrations
APPROVED

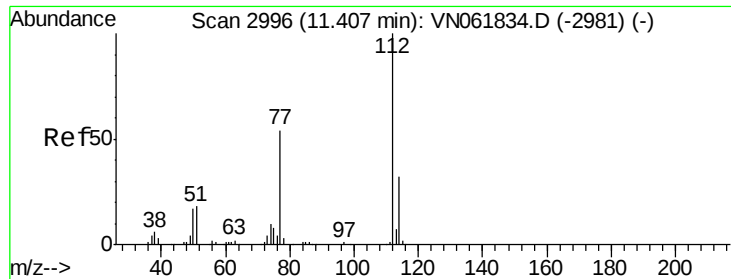
MMDadoda
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#64
Tetrachloroethene
Concen: 49.381 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88661		
166	124.3	103.5	155.3	
129	95.5	77.5	116.3	
131	89.7	73.8	110.8	





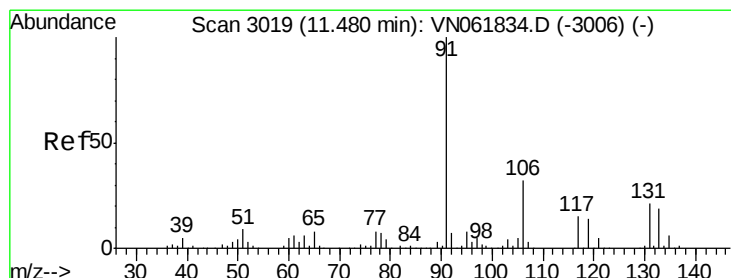
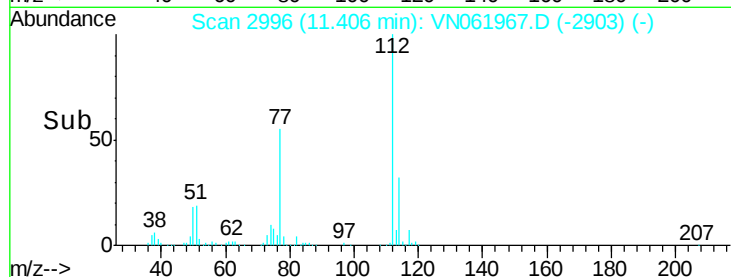
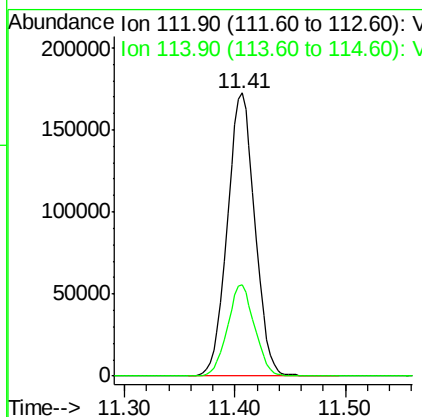
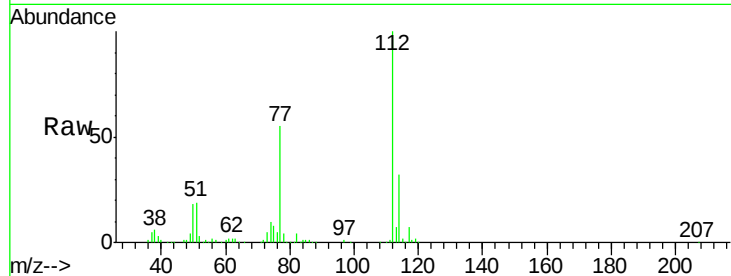
#65
Chlorobenzene
Concen: 50.103 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6

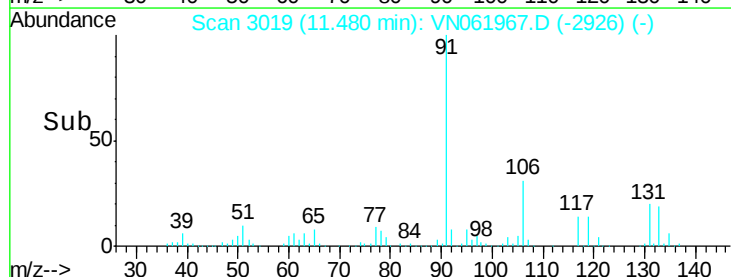
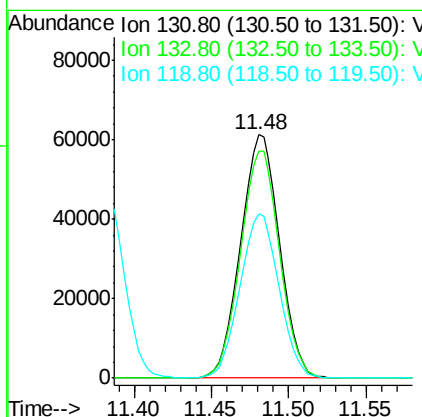
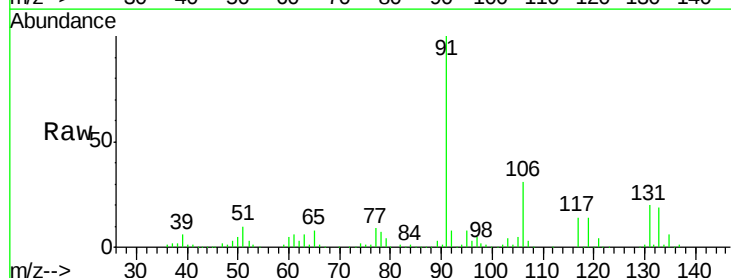
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.742 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.5	142.5
119	67.4	34.0	101.8





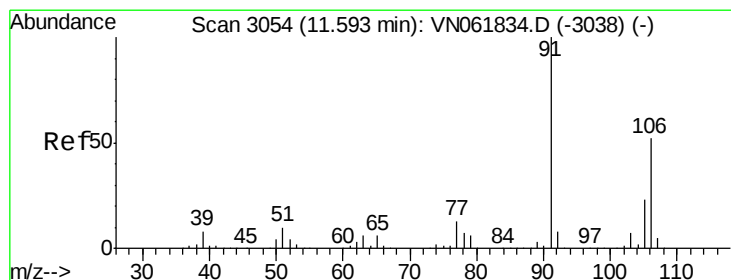
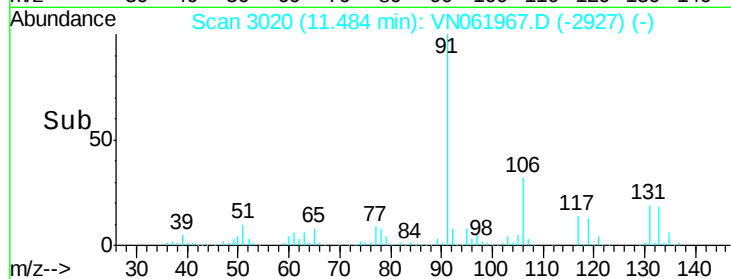
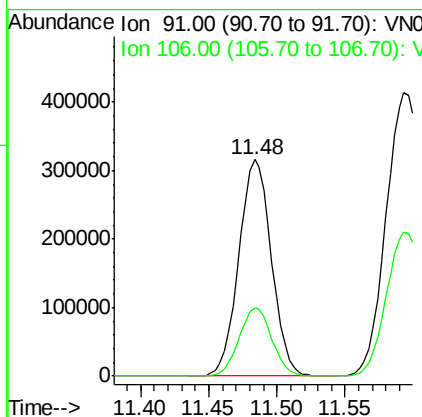
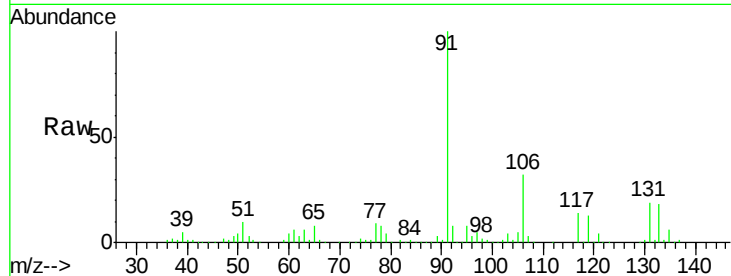
#67
Ethyl Benzene
Concen: 52.663 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 524849
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2

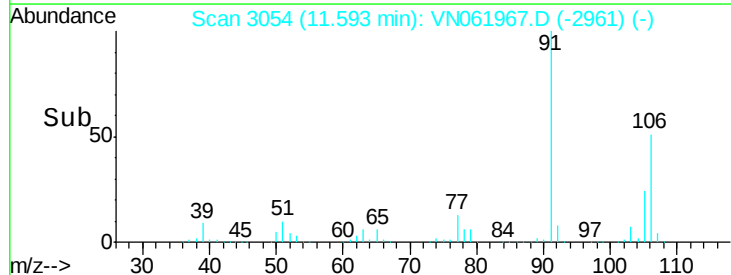
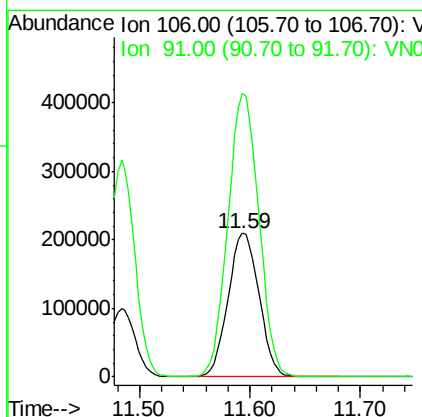
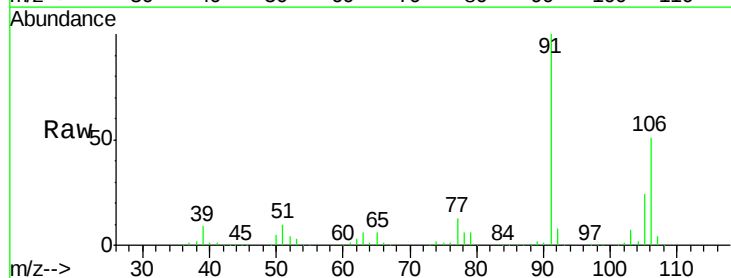
Manual Integrations
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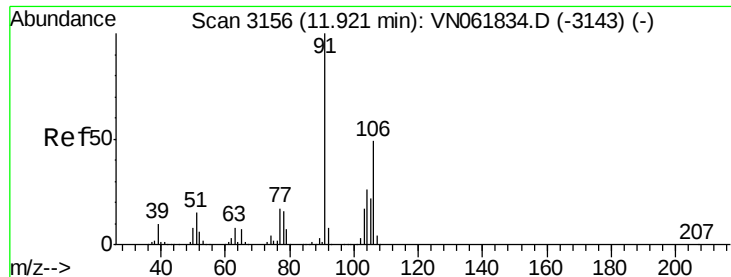
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#68
m/p-Xylenes
Concen: 106.370 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion: 106 Resp: 408774
Ion Ratio Lower Upper
106 100
91 196.8 157.0 235.6





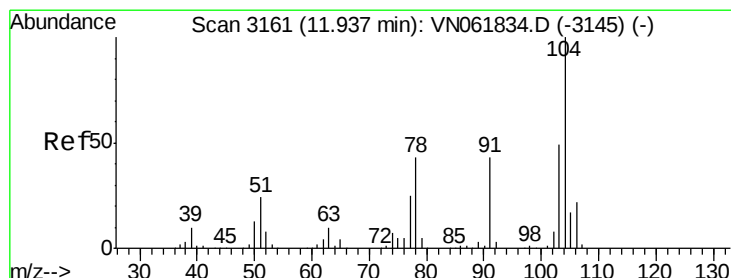
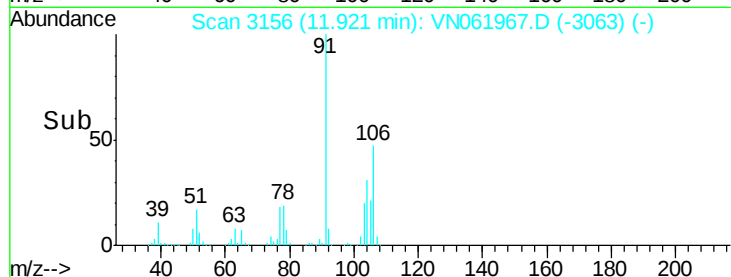
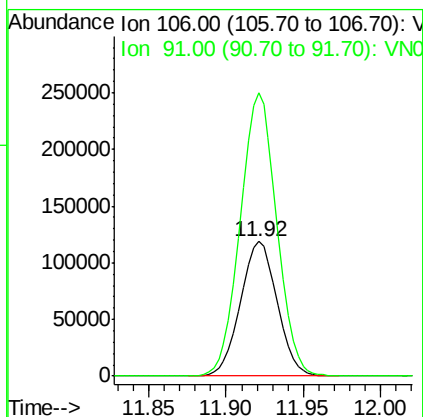
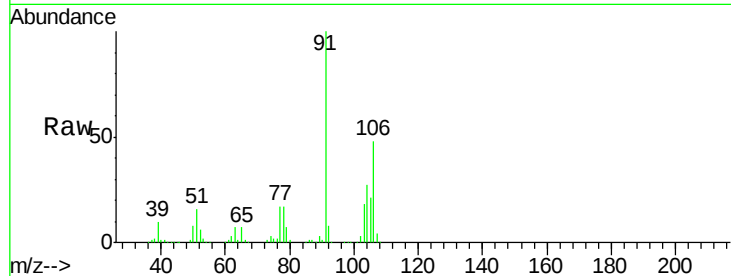
#69
o-Xylene
Concen: 53.357 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.3	103.0	308.9

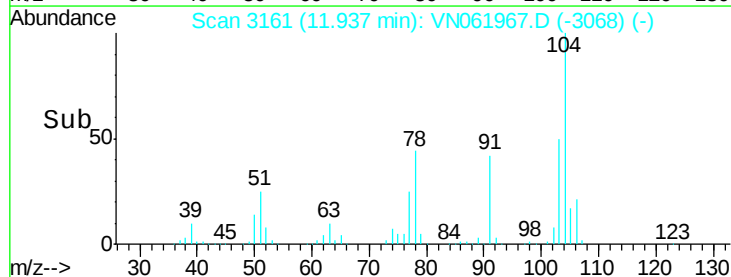
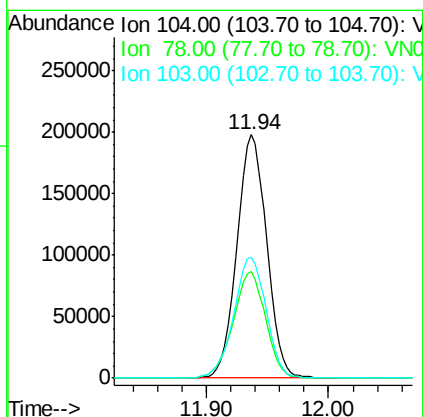
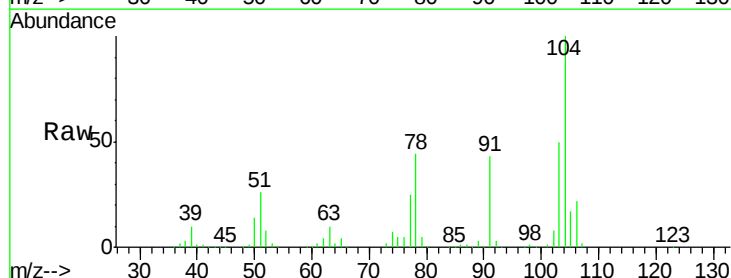
Manual Integrations
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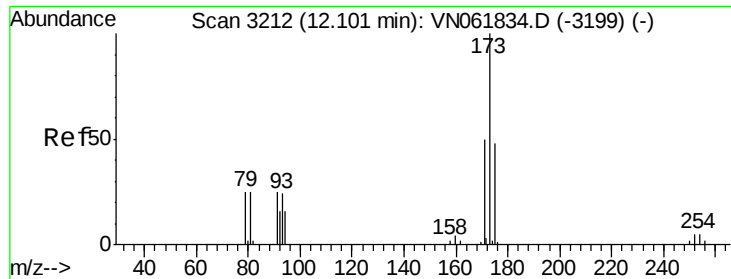
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#70
Styrene
Concen: 54.309 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	37.6	56.4
103	54.1	43.0	64.4





#71

Bromoform

Concen: 53.483 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 80844

Ion Ratio Lower Upper

173 100

175 48.3 23.9 71.7

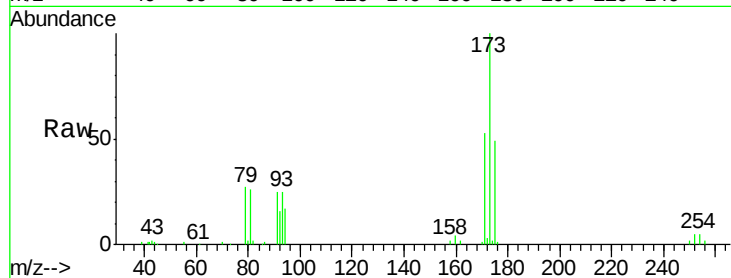
254 0.0 0.0 0.0

Manual Integrations

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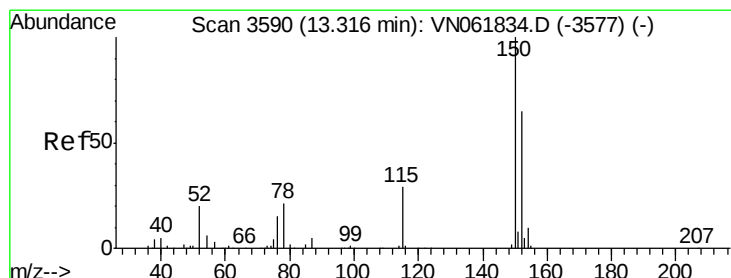
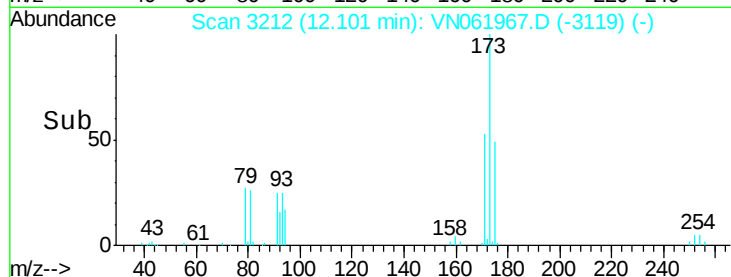
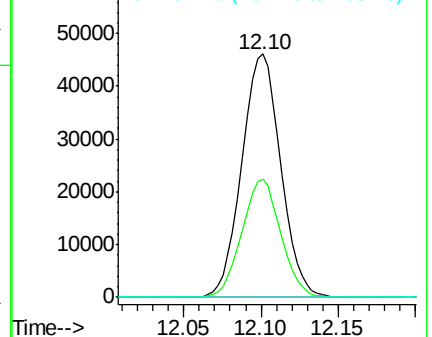
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

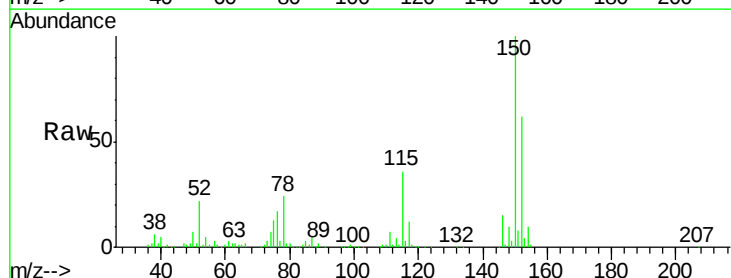
Tgt Ion:152 Resp: 136991

Ion Ratio Lower Upper

152 100

115 59.0 29.1 87.3

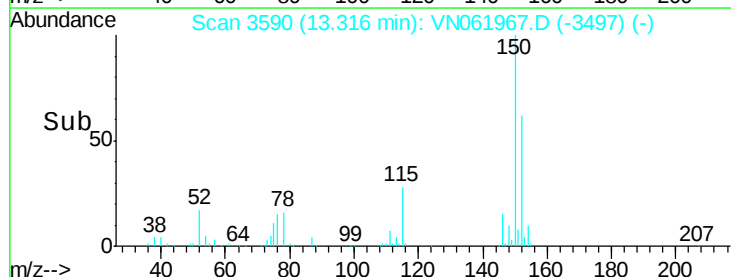
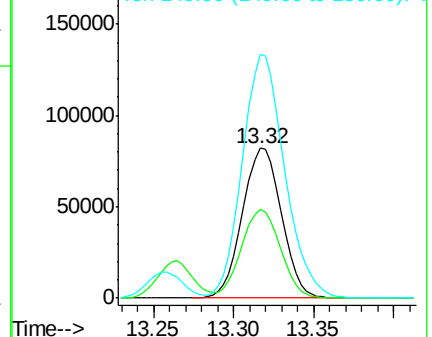
150 176.5 0.0 347.6

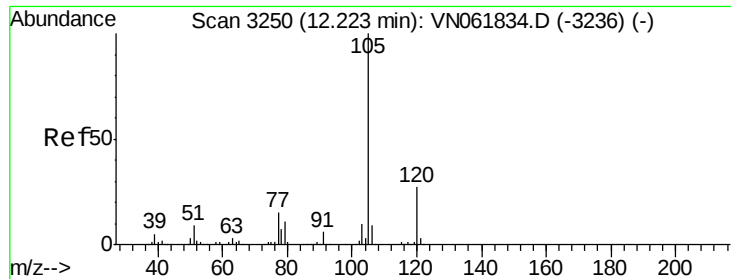


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.830 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 514289

Ion Ratio Lower Upper

105 100

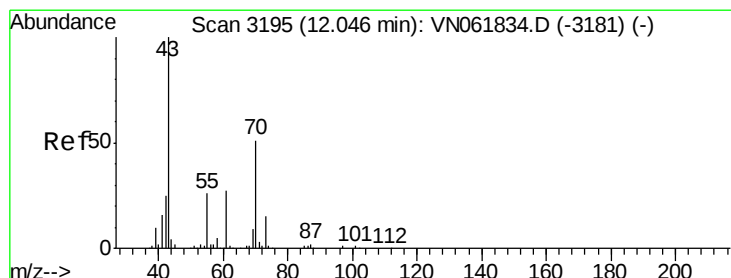
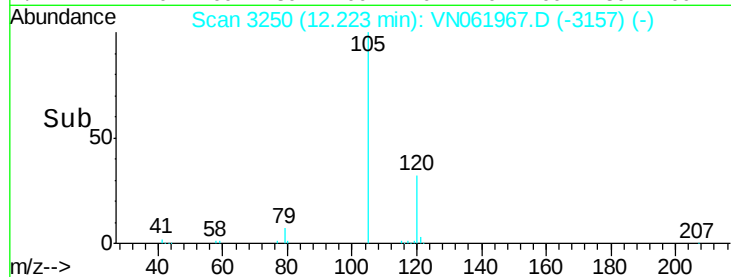
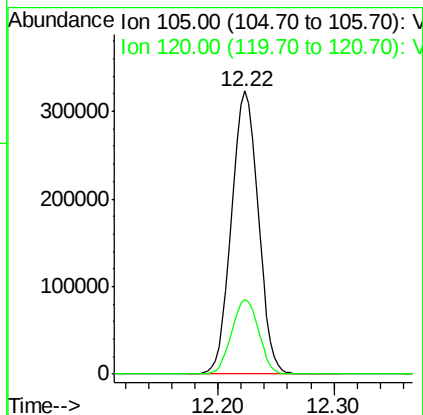
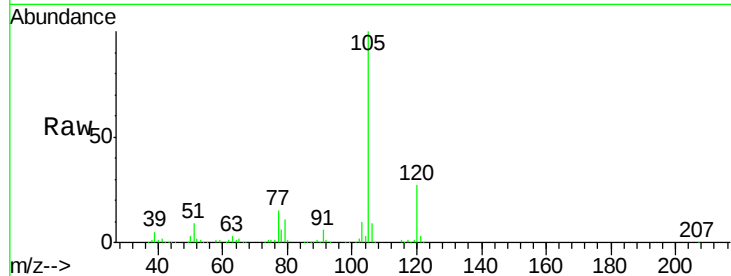
120 26.7 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 54.743 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Tgt Ion: 43 Resp: 194080

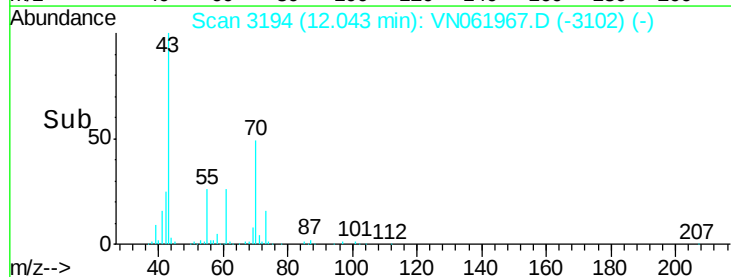
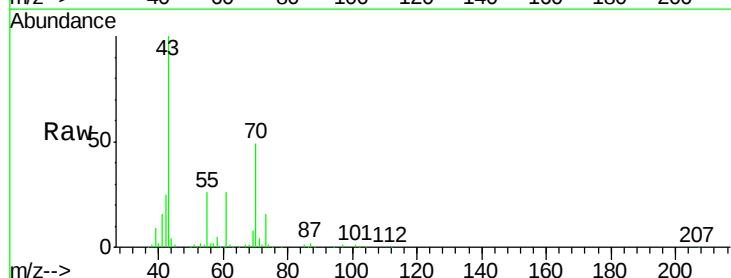
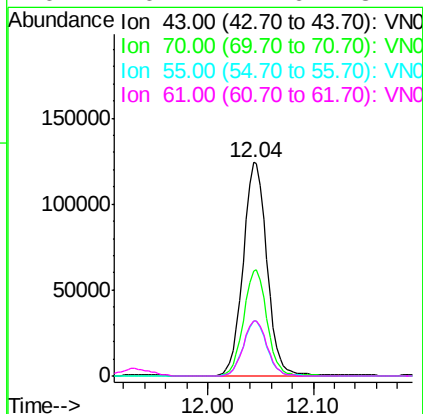
Ion Ratio Lower Upper

43 100

70 49.2 40.6 60.8

55 25.8 21.5 32.3

61 26.1 21.6 32.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.821 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

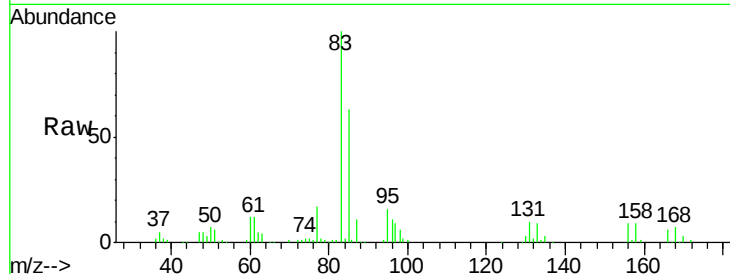
ClientSampleId :

VSTDCCC050EC

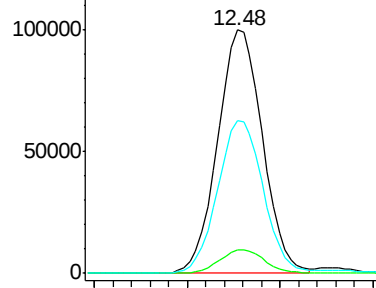
Tot Ion:	83	Resp:	167177
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	63.9	32.4	97.2

Manual Integrations
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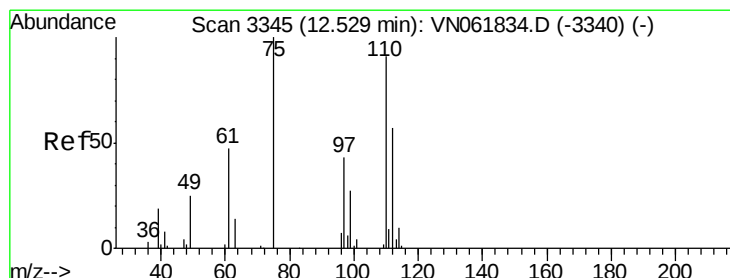
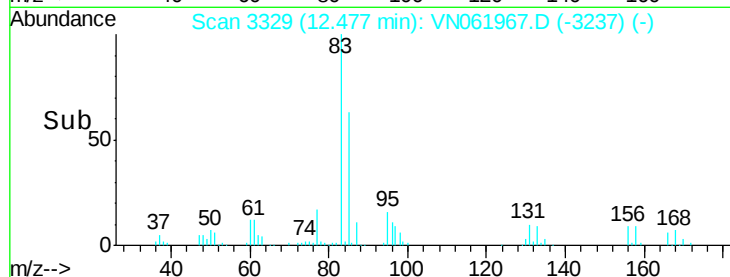
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Abundance Ion 82.90 (82.60 to 83.60): VN061834.D (-3316) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 50.984 ug/l m

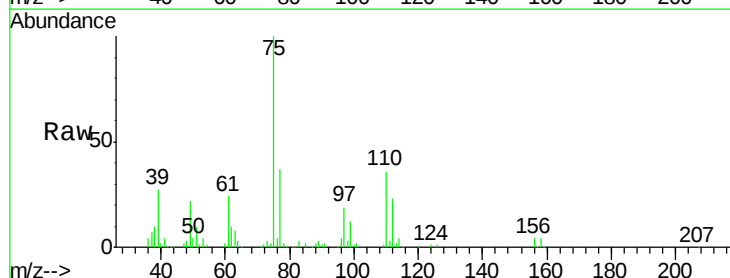
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

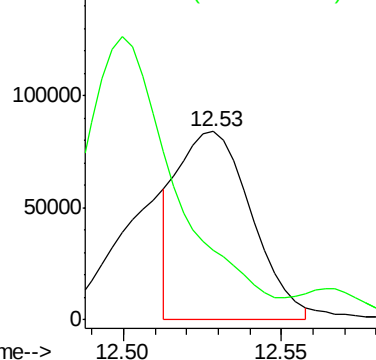
Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

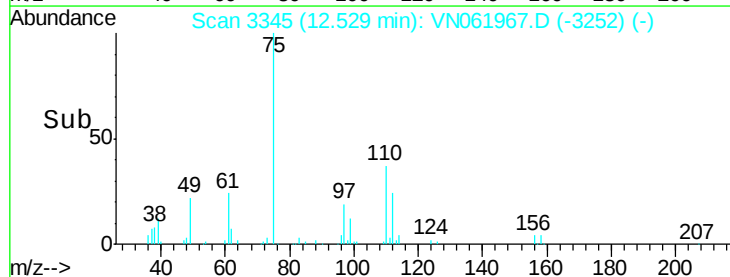
Tgt Ion:	75	Resp:	137121
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

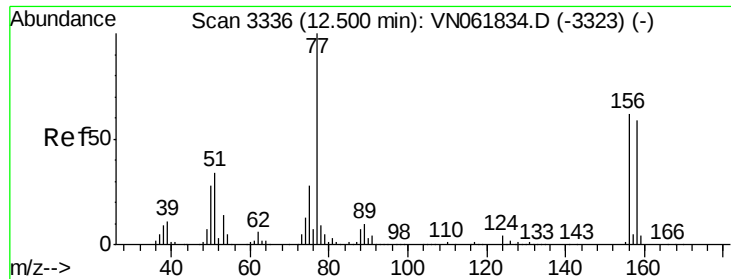


Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-3340) (-)



Time-->





#77

Bromobenzene

Concen: 50.271 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

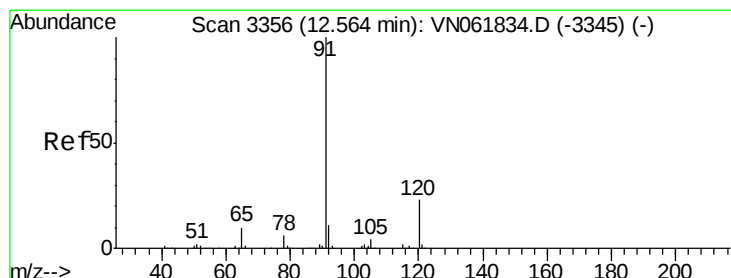
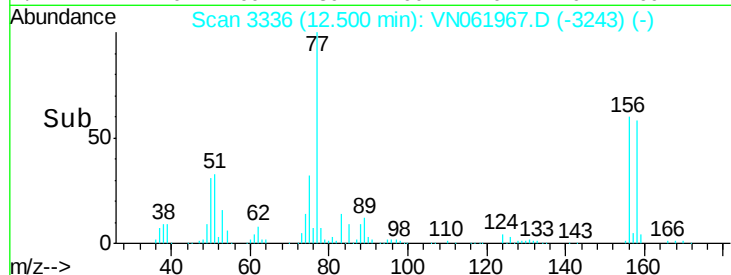
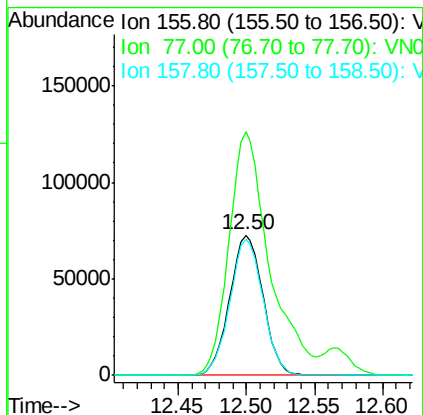
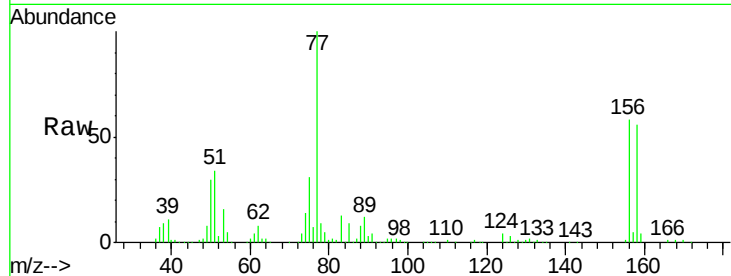
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.9	100.7	302.1
158	96.5	48.5	145.5

Manual Integrations
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#78

n-propylbenzene

Concen: 53.200 ug/l

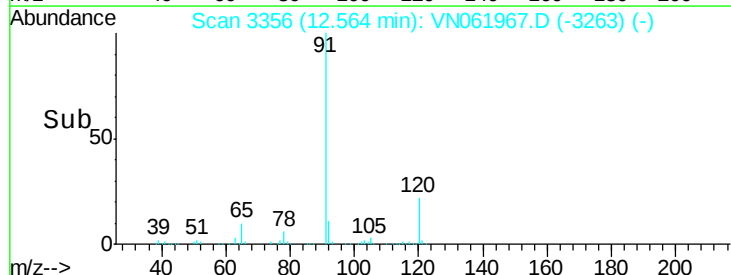
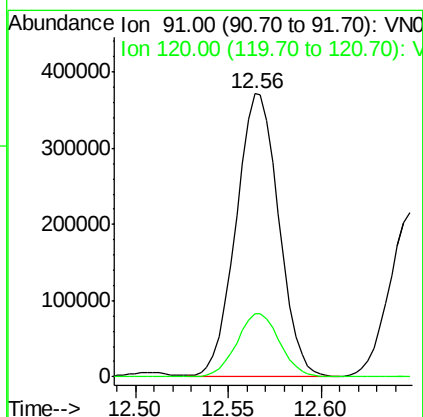
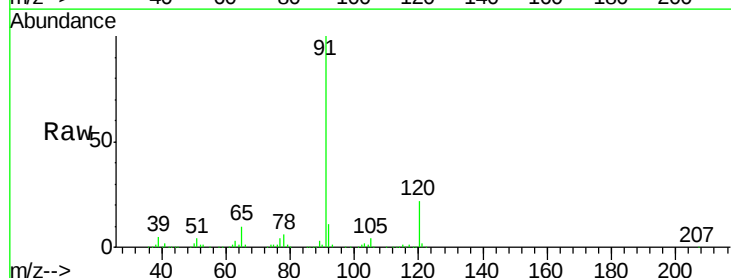
RT: 12.56 min Scan# 3356

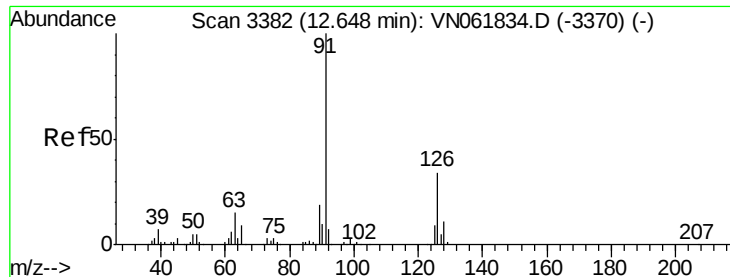
Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.6	34.8





#79

2-Chlorotoluene

Concen: 52.572 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 350720

Ion Ratio Lower Upper

91 100

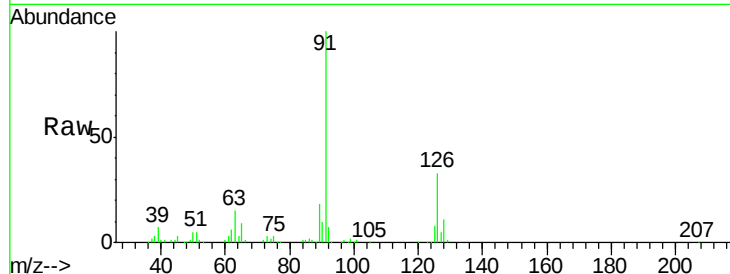
126 33.5 17.3 51.7

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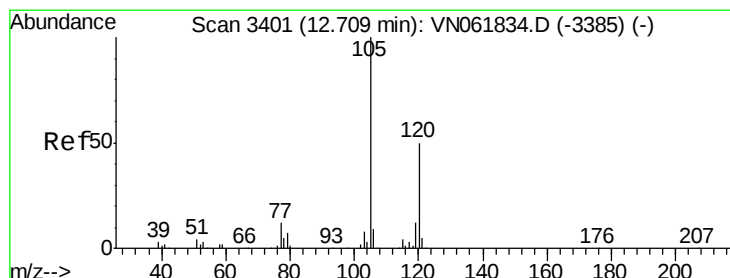
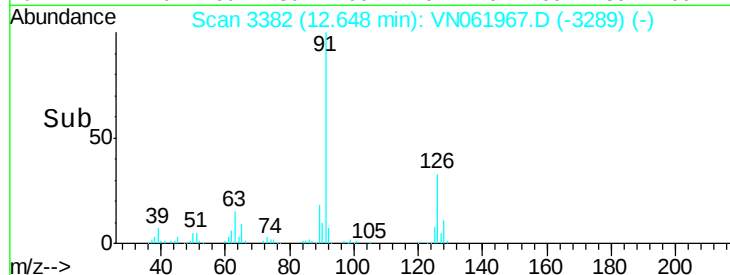
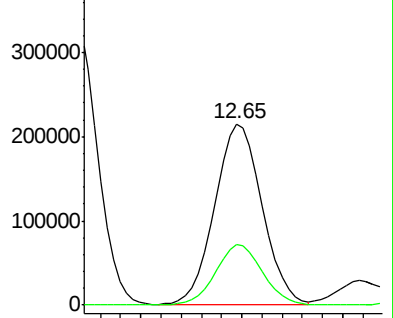
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Abundance Ion 91.00 (90.70 to 91.70): VN061834.D (-3370) (-)

Ion 125.90 (125.60 to 126.60): VN061834.D (-3370) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.784 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061967.D

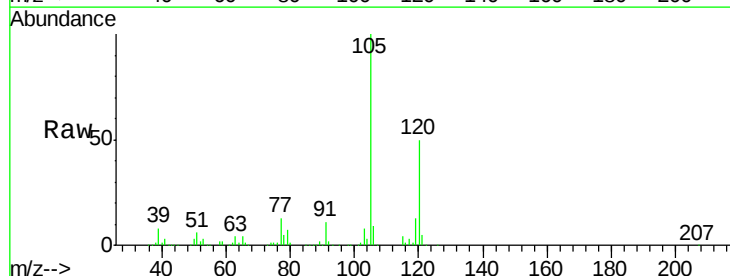
Acq: 19 Jun 2020 21:12

Tgt Ion: 105 Resp: 425107

Ion Ratio Lower Upper

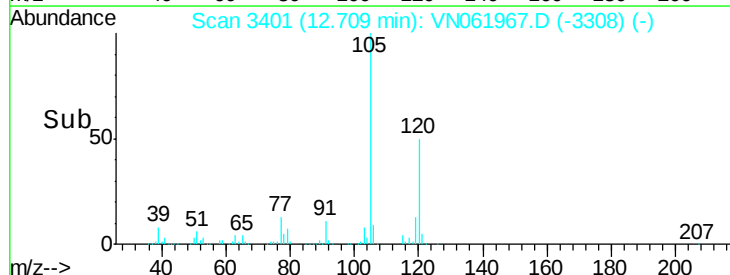
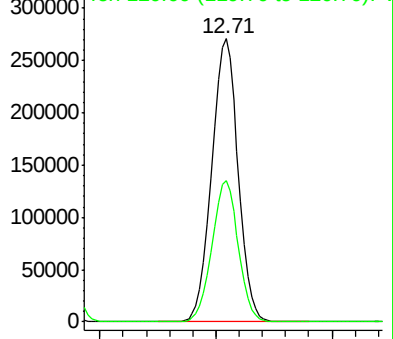
105 100

120 49.8 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VN061834.D (-3385) (-)

Ion 120.00 (119.70 to 120.70): VN061834.D (-3385) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 55.657 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

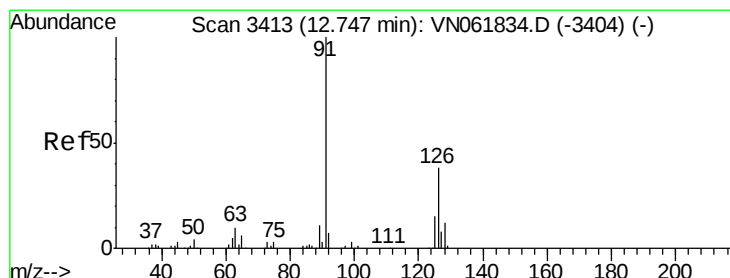
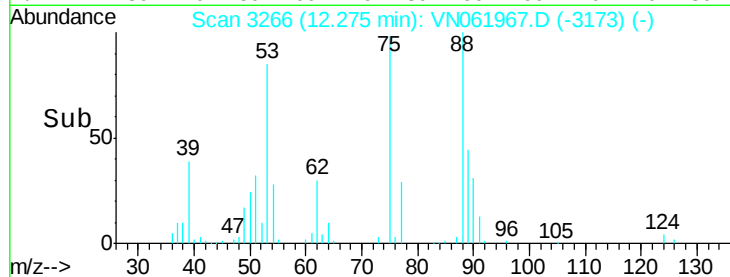
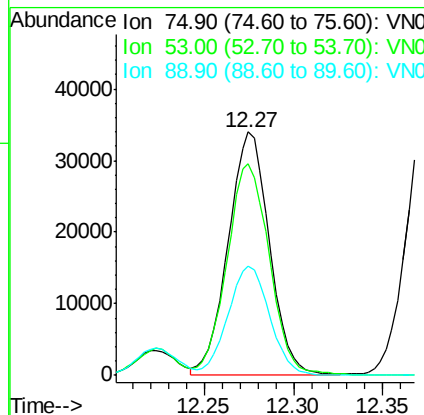
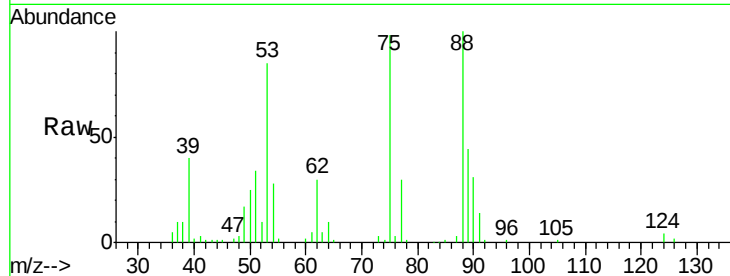
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	54883
Ion	Ratio	Lower	Upper
75	100		
53	89.5	70.4	105.6
89	45.0	36.0	54.0

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#82

4-Chlorotoluene

Concen: 52.248 ug/l

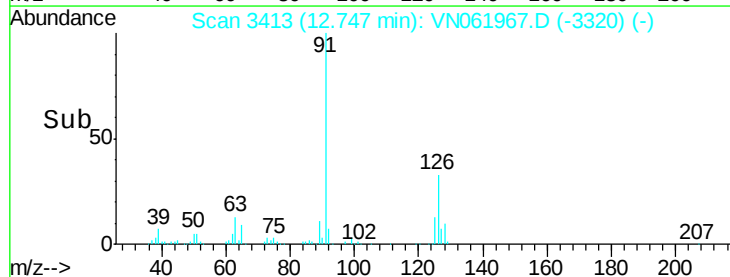
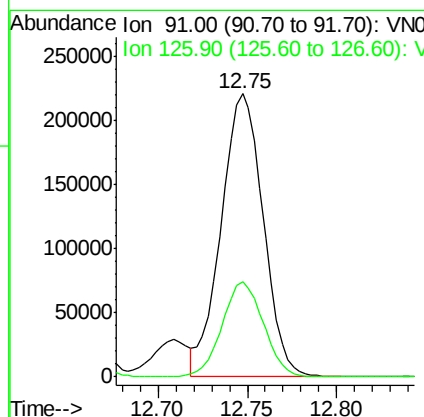
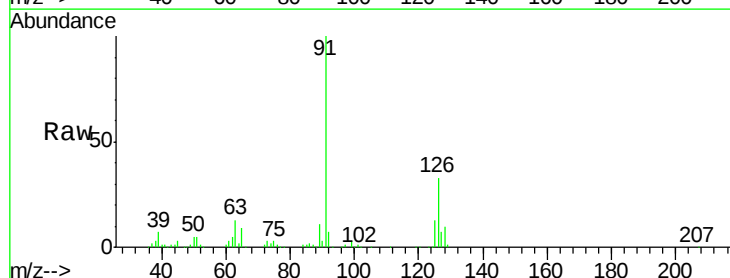
RT: 12.75 min Scan# 3413

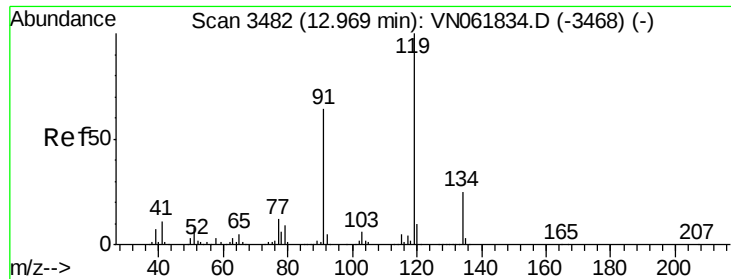
Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Tgt Ion:	91	Resp:	360167
Ion	Ratio	Lower	Upper
91	100		
126	33.3	17.2	51.6





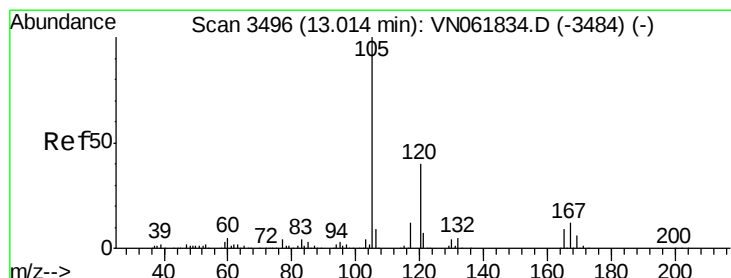
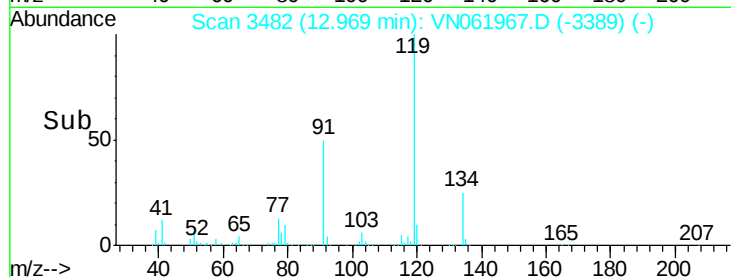
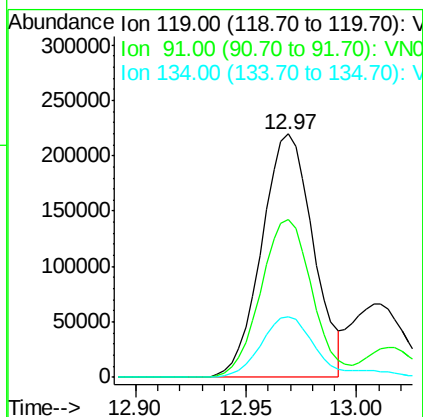
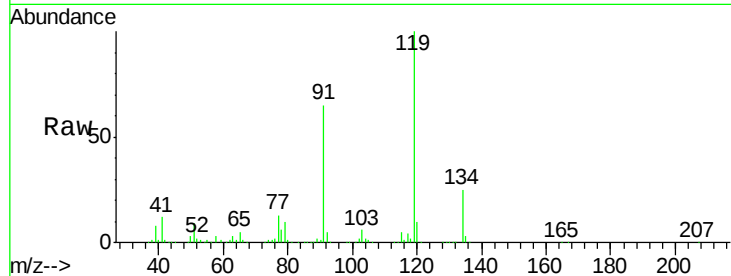
#83
 tert-Butylbenzene
 Concen: 52.011 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	31.5	94.5
134	25.5	13.3	39.9

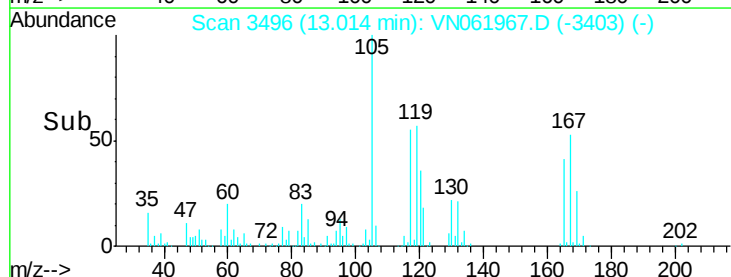
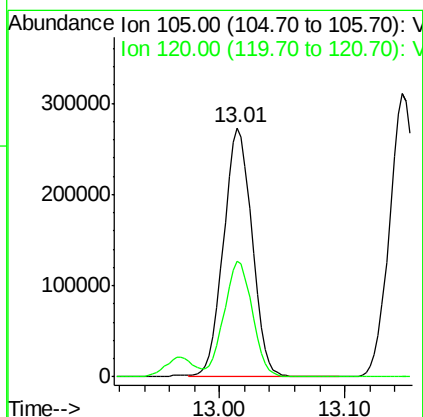
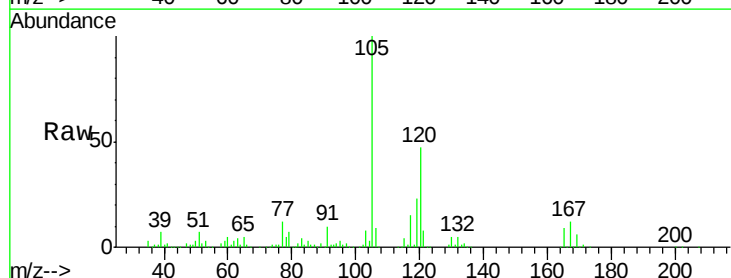
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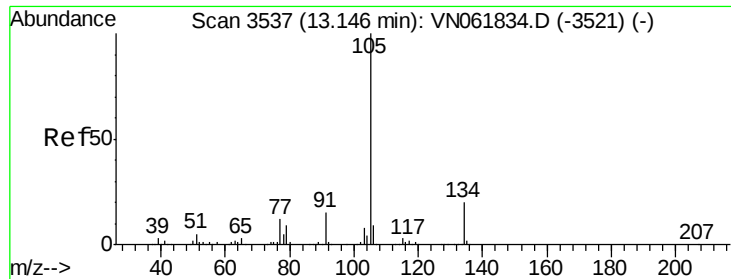
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.870 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.3	69.9





#85

sec-Butylbenzene

Concen: 54.098 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 483458

Ion Ratio Lower Upper

105 100

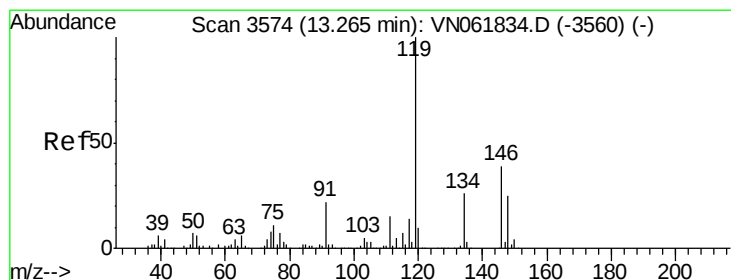
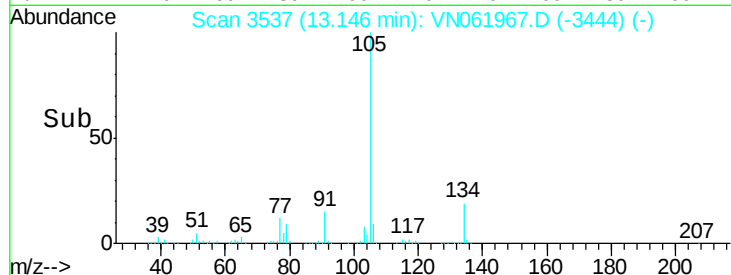
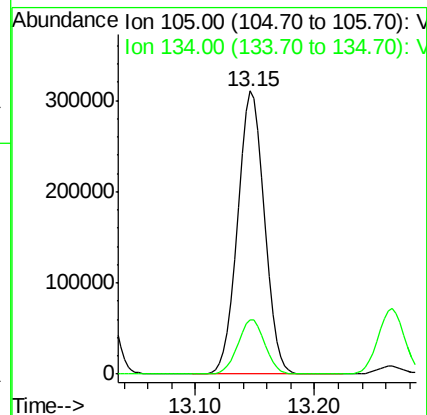
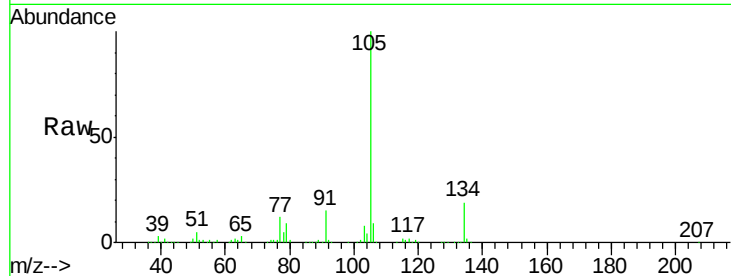
134 19.3 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 54.276 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

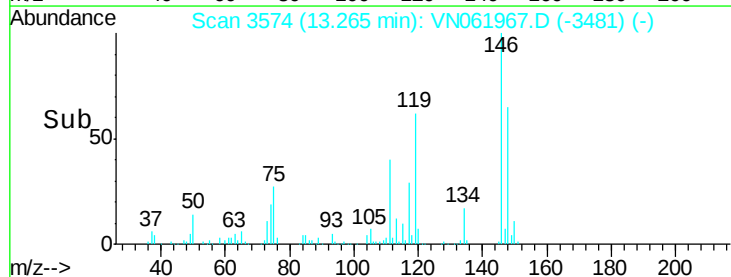
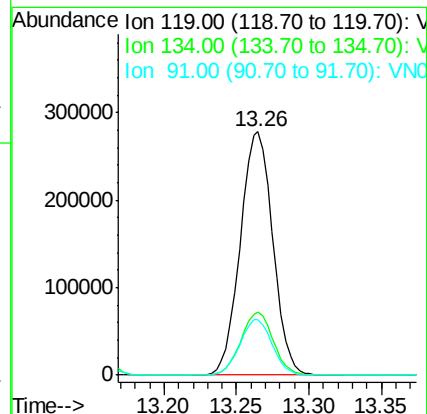
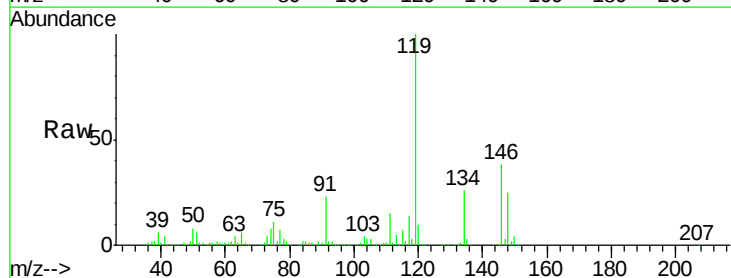
Tgt Ion:119 Resp: 432217

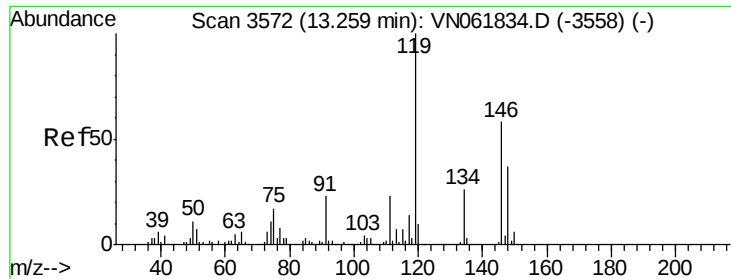
Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.9

91 22.7 11.2 33.6





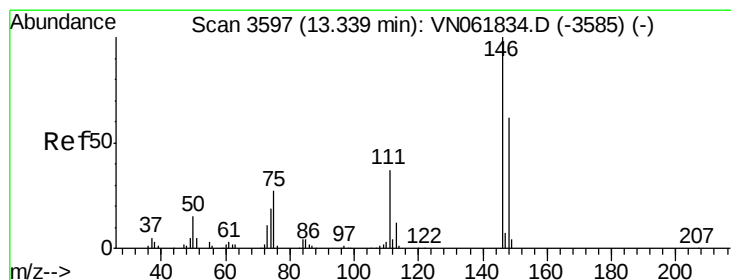
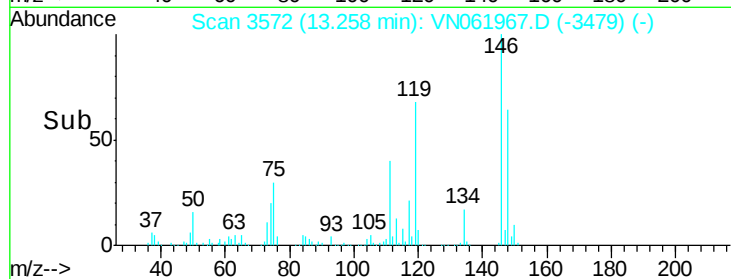
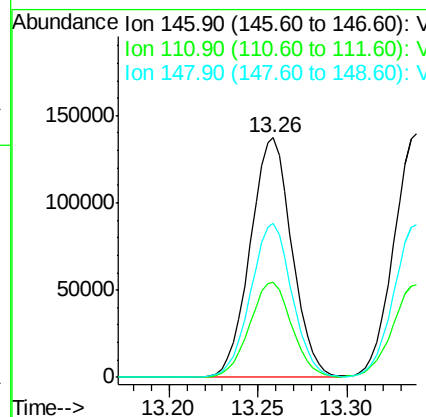
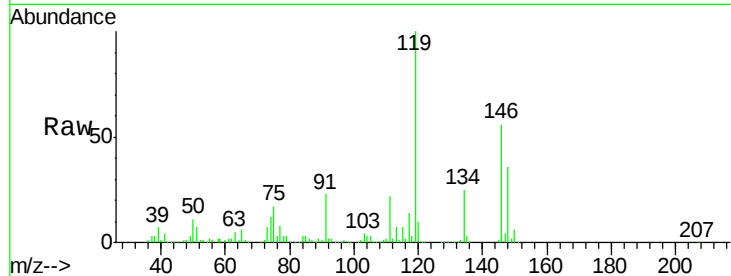
#87
 1,3-Dichlorobenzene
 Concen: 50.042 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.6	58.8
148	63.9	31.8	95.4

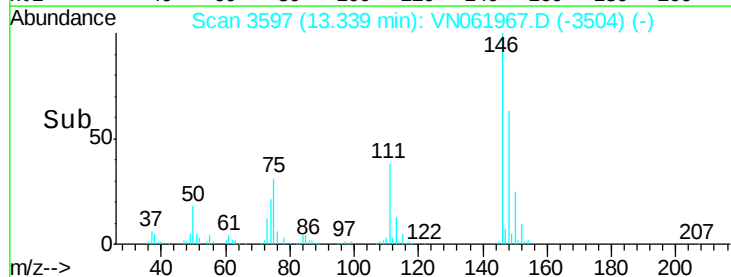
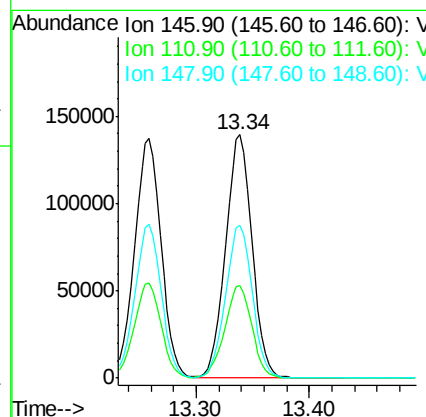
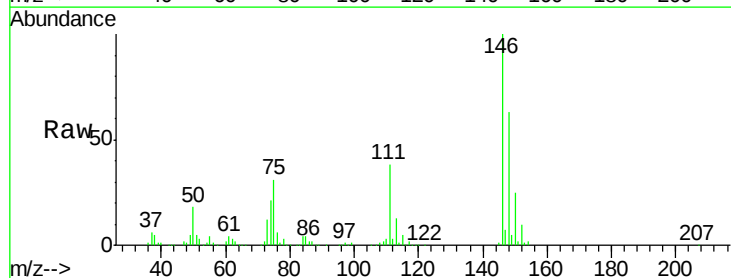
Manual Integrations
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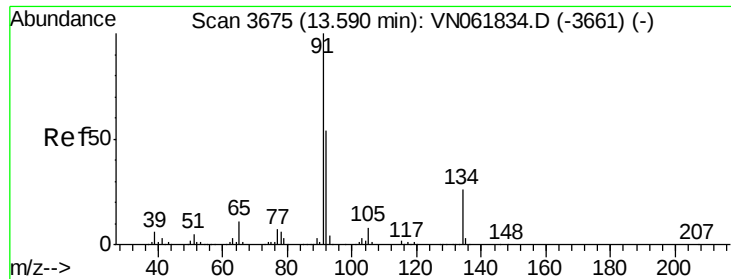
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#88
 1,4-Dichlorobenzene
 Concen: 49.541 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.8
148	63.7	31.6	94.7





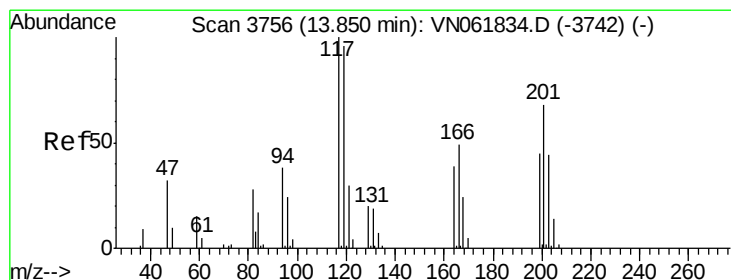
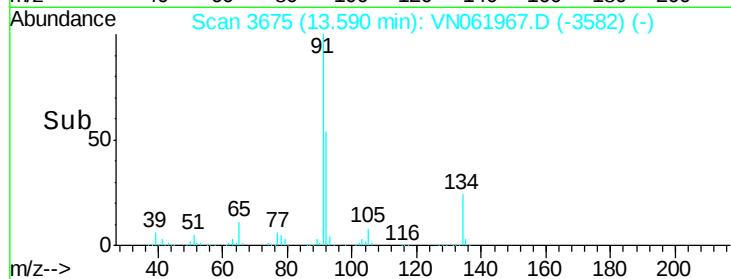
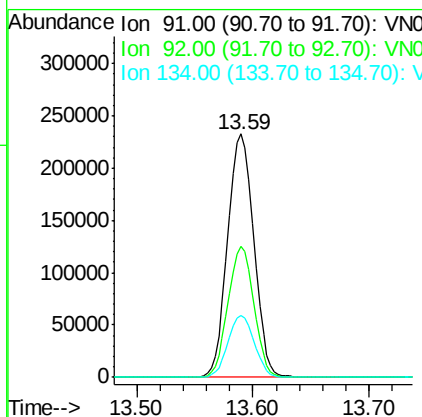
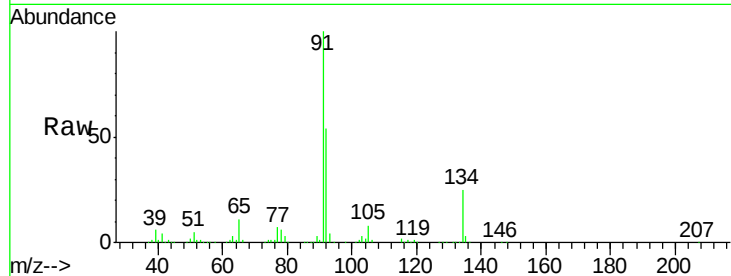
#89
n-Butylbenzene
Concen: 54.641 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.0	80.8
134	25.3	13.0	39.0

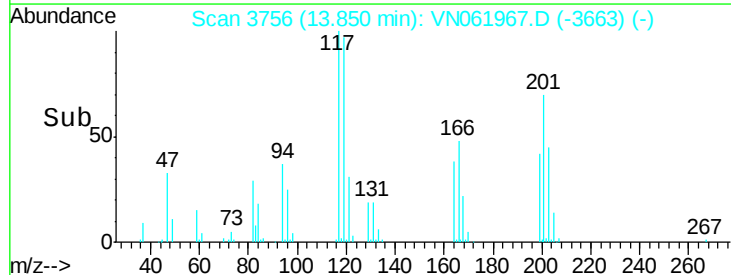
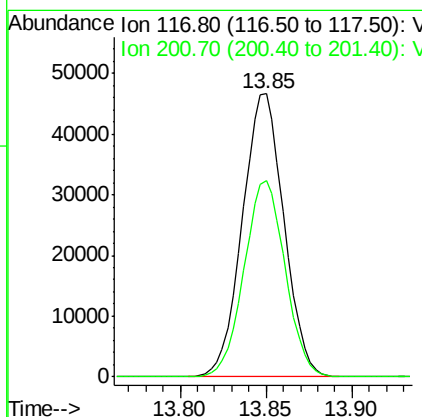
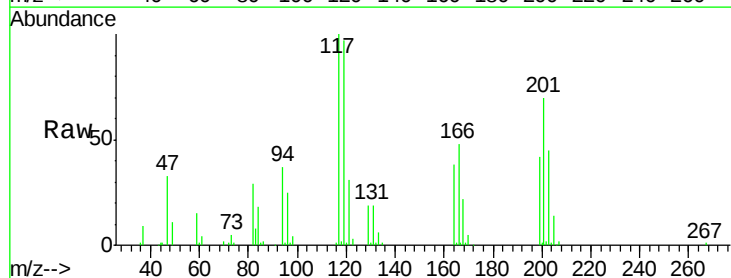
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#90
Hexachloroethane
Concen: 53.717 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN061967.D
Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.4	34.6	103.8





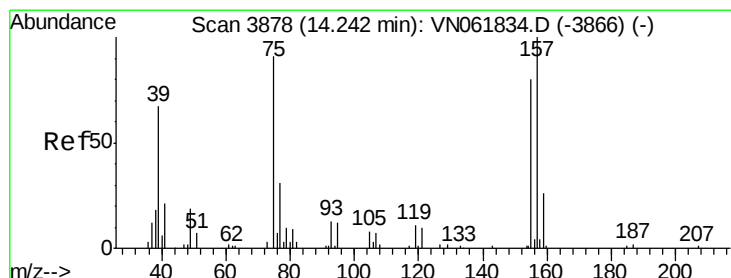
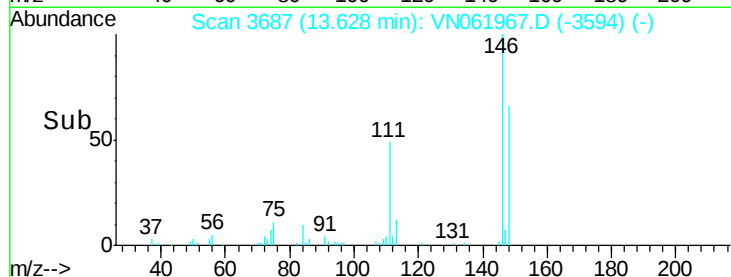
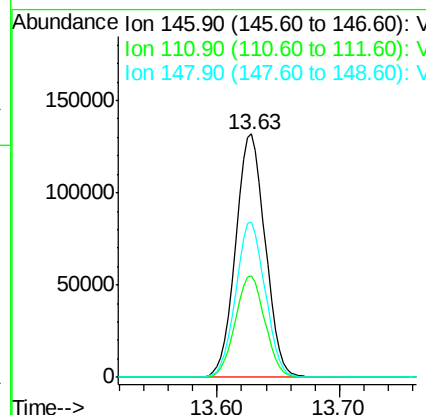
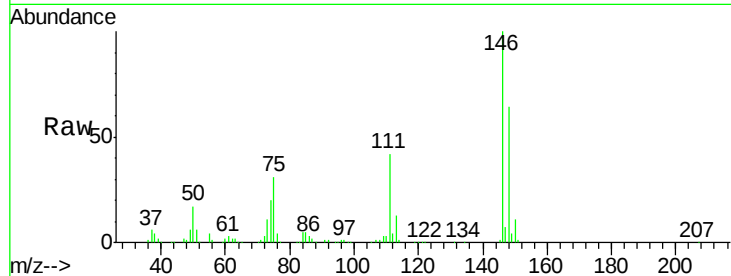
#91
 1,2-Dichlorobenzene
 Concen: 51.621 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.4	61.2
148	63.5	31.8	95.4

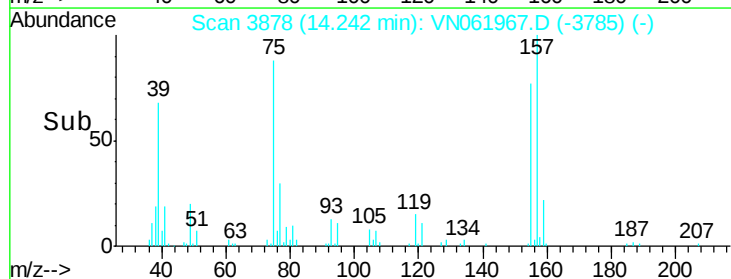
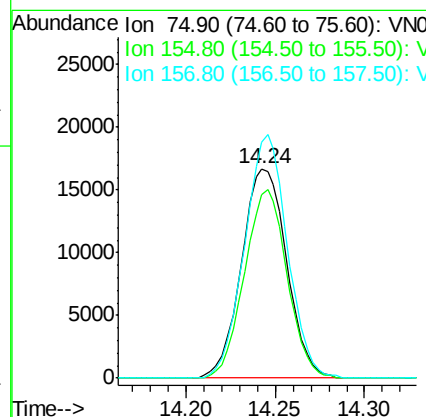
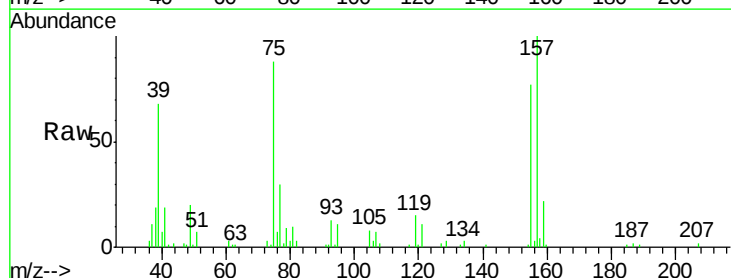
Manual Integrations
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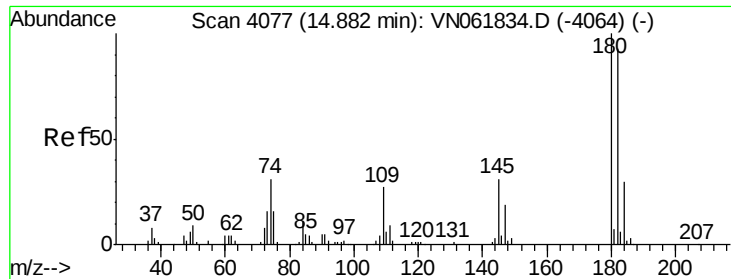
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.268 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.9	44.4	133.2
157	109.9	57.0	171.2





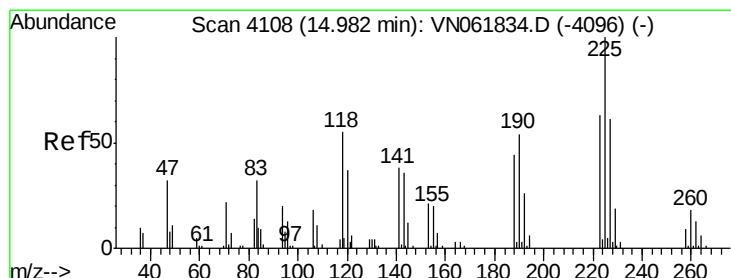
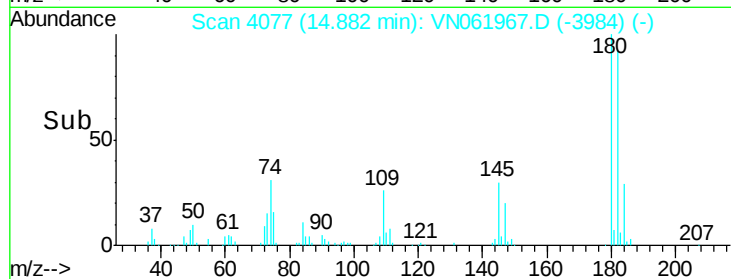
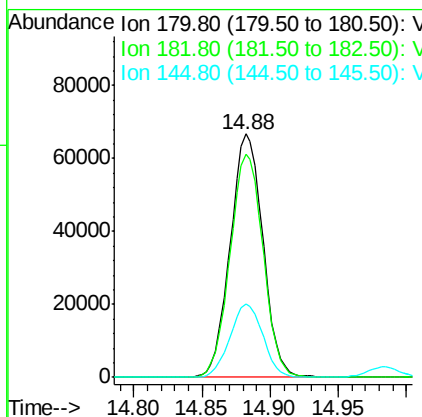
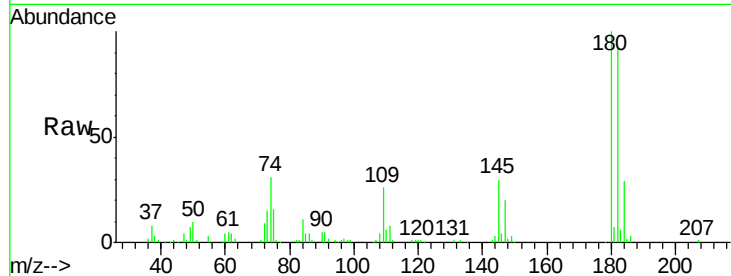
#93
 1,2,4-Trichlorobenzene
 Concen: 54.502 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110903		
182	92.8	47.0	141.2	
145	30.3	15.8	47.3	

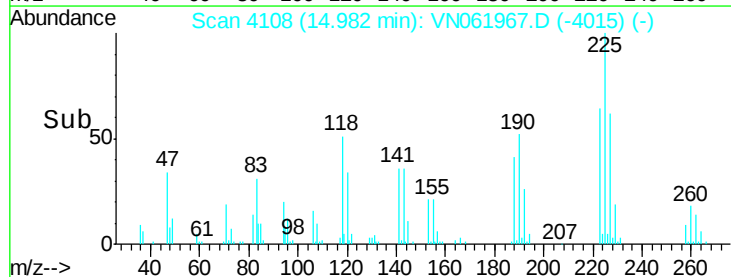
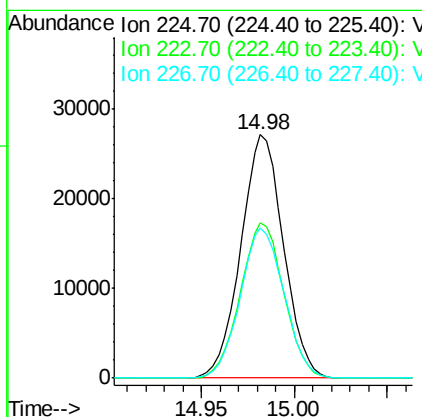
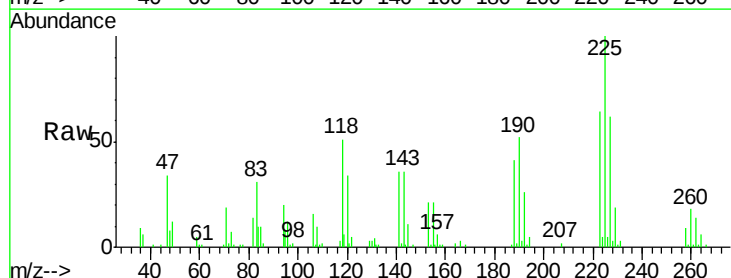
Manual Integrations
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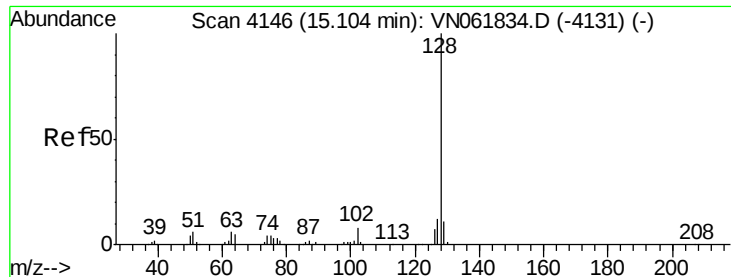
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#94
 Hexachlorobutadiene
 Concen: 54.062 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061967.D
 Acq: 19 Jun 2020 21:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	43327		
223	64.8	31.7	95.1	
227	63.4	30.1	90.3	





#95

Naphthalene

Concen: 49.288 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Instrument :

MSVOA_N

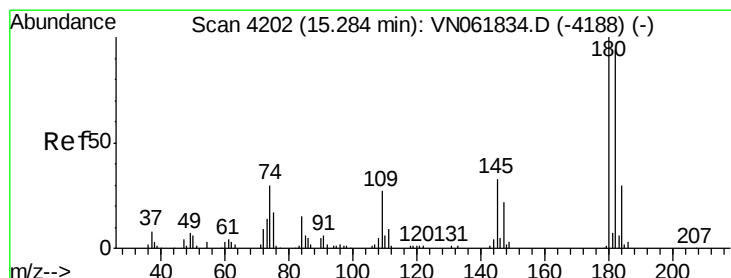
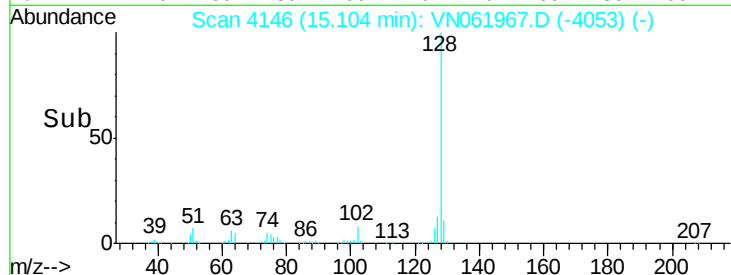
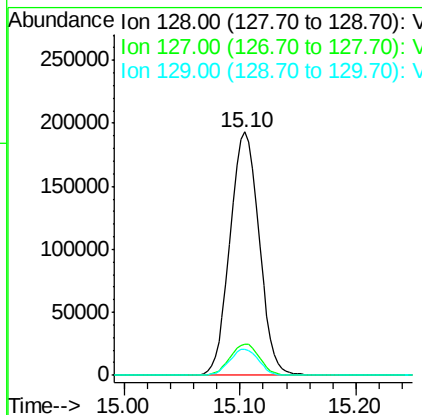
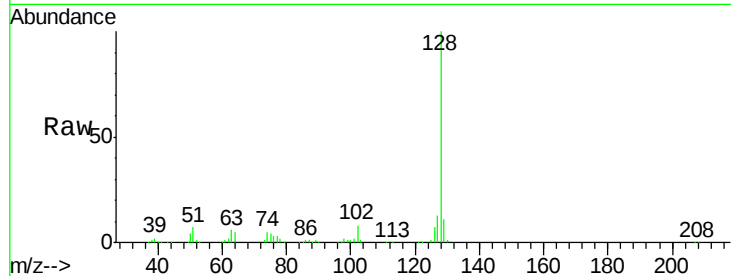
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	335501
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/22/2020 1:27:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.203 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.00 min

Lab File: VN061967.D

Acq: 19 Jun 2020 21:12

Tgt Ion:	180	Resp:	109232
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.6
145	32.6	16.5	49.5

