

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052020\
 Data File : VN061499.D
 Acq On : 20 May 2020 14:17
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/21/2020 1:16:12 PM

Quant Time: May 21 01:23:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	312953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	555065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	527322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	255083	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	208774	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	
35) Dibromofluoromethane	7.54	113	146845	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
50) Toluene-d8	10.06	98	674517	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
62) 4-Bromofluorobenzene	12.37	95	257215	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	120106	46.155	ug/l	100
3) Chloromethane	2.03	50	172184	40.568	ug/l	98
4) Vinyl Chloride	2.16	62	255296	42.029	ug/l	98
5) Bromomethane	2.53	94	150400	48.874	ug/l	99
6) Chloroethane	2.67	64	167513	40.972	ug/l	97
7) Trichlorofluoromethane	2.98	101	351559	47.672	ug/l	98
8) Diethyl Ether	3.37	74	95963	44.675	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.71	101	143902	46.924	ug/l	98
10) Methyl Iodide	3.91	142	179191	48.108	ug/l	99
11) Tert butyl alcohol	4.73	59	132702	246.581	ug/l	100
12) 1,1-Dichloroethene	3.69	96	145605	45.390	ug/l	89
13) Acrolein	3.56	56	68238	171.678	ug/l	97
14) Allyl chloride	4.27	41	215147	41.212	ug/l	97
15) Acrylonitrile	4.92	53	323809	203.089	ug/l	99
16) Acetone	3.77	43	257547	213.886	ug/l	99
17) Carbon Disulfide	4.01	76	307487	44.309	ug/l	99
18) Methyl Acetate	4.27	43	133488	41.492	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	544238	44.707	ug/l	97
20) Methylene Chloride	4.50	84	166932	43.488	ug/l	96
21) trans-1,2-Dichloroethene	4.98	96	171364	46.327	ug/l	96
22) Diisopropyl ether	5.90	45	496151	42.293	ug/l	96
23) Vinyl Acetate	5.84	43	1954624	209.525	ug/l	96
24) 1,1-Dichloroethane	5.79	63	303473	44.351	ug/l	99
25) 2-Butanone	6.78	43	424444	199.588	ug/l	93
26) 2,2-Dichloropropane	6.77	77	293187	44.947	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	210570	48.192	ug/l	92
28) Bromochloromethane	7.15	49	125994	43.380	ug/l	88
29) Tetrahydrofuran	7.16	42	279598	198.523	ug/l	95
30) Chloroform	7.33	83	336181	47.039	ug/l	98
31) Cyclohexane	7.61	56	258907	42.546	ug/l	95
32) 1,1,1-Trichloroethane	7.53	97	312863	47.907	ug/l	98
36) 1,1-Dichloropropene	7.75	75	246390	47.473	ug/l	97
37) Ethyl Acetate	6.88	43	188999	40.154	ug/l	99
38) Carbon Tetrachloride	7.73	117	246151	51.506	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	274662	43.328	ug/l	95
40) Benzene	8.00	78	750462	47.981	ug/l	99
41) Methacrylonitrile	7.12	41	87481m	44.004	ug/l	
42) 1,2-Dichloroethane	8.08	62	257095	45.623	ug/l	98
43) Isopropyl Acetate	8.12	43	344496	41.964	ug/l	98
44) Trichloroethene	8.80	130	212780	51.919	ug/l	95
45) 1,2-Dichloropropane	9.08	63	183363	46.837	ug/l	98
46) Dibromomethane	9.17	93	130863	47.682	ug/l	94
47) Bromodichloromethane	9.37	83	283154	48.967	ug/l	99
48) Methyl methacrylate	9.17	41	152002	40.081	ug/l	94
49) 1,4-Dioxane	9.16	88	51922	1313.513	ug/l	93
51) 4-Methyl-2-Pentanone	9.95	43	973117	217.599	ug/l	98
52) Toluene	10.12	92	510011	50.790	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	308699	48.707	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	325434	48.303	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	190724	50.238	ug/l	98
56) Ethyl methacrylate	10.40	69	287902	48.507	ug/l	95
57) 1,3-Dichloropropane	10.68	76	317900	48.453	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	607175	233.062	ug/l	95
59) 2-Hexanone	10.72	43	694576	214.674	ug/l	98
60) Dibromochloromethane	10.87	129	223752	53.282	ug/l	100
61) 1,2-Dibromoethane	10.98	107	202917	50.835	ug/l	99
64) Tetrachloroethene	10.60	164	210279	51.544	ug/l	96
65) Chlorobenzene	11.40	112	546115	50.786	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	204799	53.124	ug/l	98
67) Ethyl Benzene	11.48	91	982434	50.050	ug/l	98
68) m/p-Xylenes	11.59	106	767116	102.960	ug/l	96
69) o-Xylene	11.92	106	371103	51.470	ug/l	95
70) Styrene	11.94	104	630136	52.777	ug/l	98
71) Bromoform	12.10	173	147803	49.332	ug/l #	99
73) Isopropylbenzene	12.22	105	953843	46.579	ug/l	97
74) N-amyl acetate	12.04	43	311191	41.517	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	252651	44.844	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	252653m	46.160	ug/l	
77) Bromobenzene	12.50	156	229540	51.650	ug/l	89
78) n-propylbenzene	12.56	91	1087120	46.593	ug/l	98
79) 2-Chlorotoluene	12.65	91	648334	47.010	ug/l	97
80) 1,3,5-Trimethylbenzene	12.71	105	801194	47.783	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	88398	42.843	ug/l	97
82) 4-Chlorotoluene	12.75	91	685914	48.032	ug/l	97
83) tert-Butylbenzene	12.97	119	662057	46.097	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	808284	48.169	ug/l	98
85) sec-Butylbenzene	13.15	105	852268	43.884	ug/l	98
86) p-Isopropyltoluene	13.26	119	793190	45.994	ug/l	97
87) 1,3-Dichlorobenzene	13.26	146	416774	51.242	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	427152	52.441	ug/l	98
89) n-Butylbenzene	13.59	91	666419	42.536	ug/l	99
90) Hexachloroethane	13.85	117	109453	46.831	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	402169	51.547	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	48531	42.643	ug/l	88

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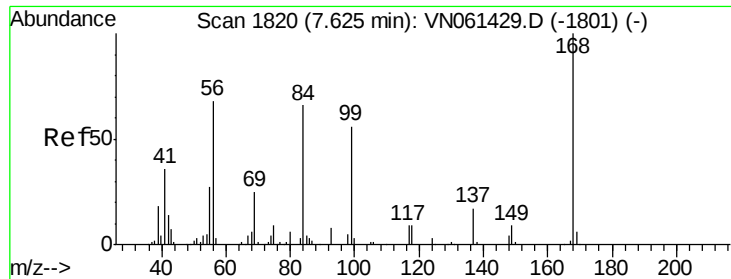
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	212372	50.202	ug/l	100
94) Hexachlorobutadiene	14.99	225	75436	40.133	ug/l	98
95) Naphthalene	15.10	128	683057	50.789	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	204120	48.469	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 312953

Ion Ratio Lower Upper

168 100

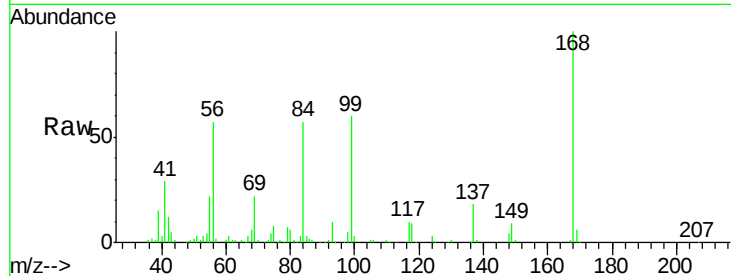
99 59.5 51.1 76.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

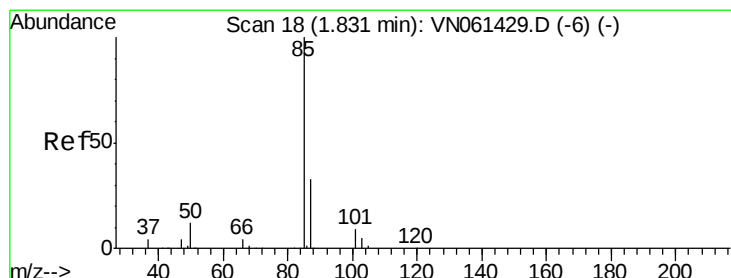
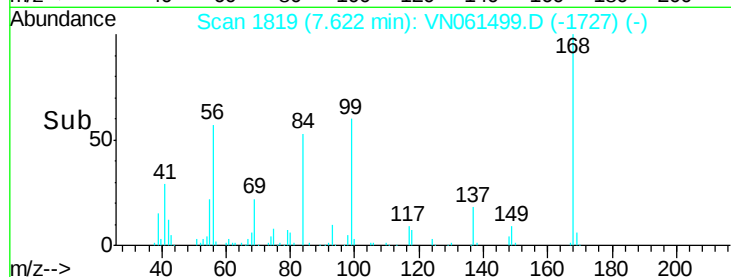
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 46.155 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061499.D

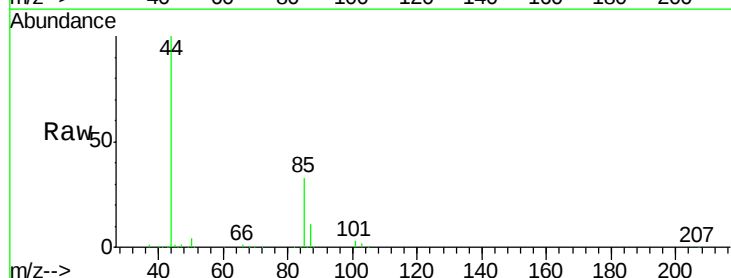
Acq: 20 May 2020 14:17

Tgt Ion: 85 Resp: 120106

Ion Ratio Lower Upper

85 100

87 32.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

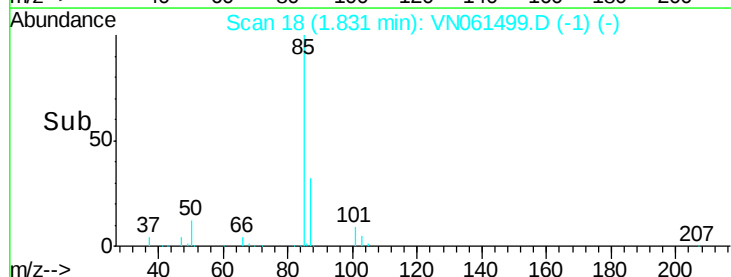
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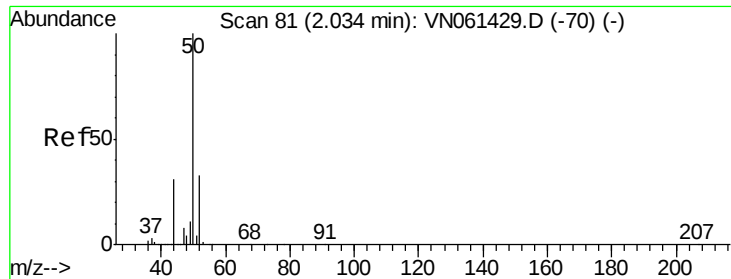
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 40.568 ug/l

RT: 2.03 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 172184

Ion Ratio Lower Upper

50 100

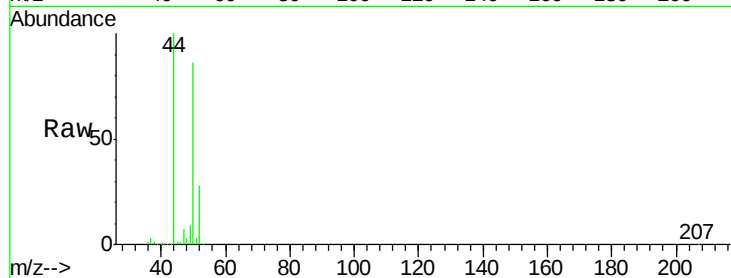
52 32.5 26.7 40.1

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

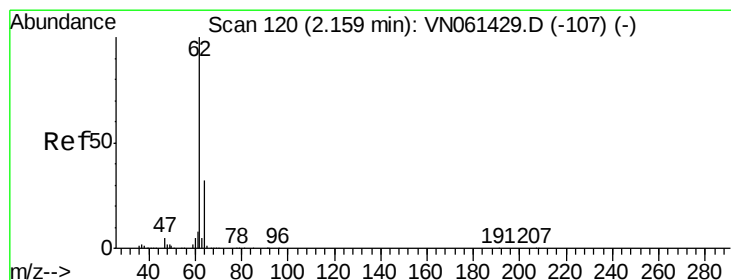
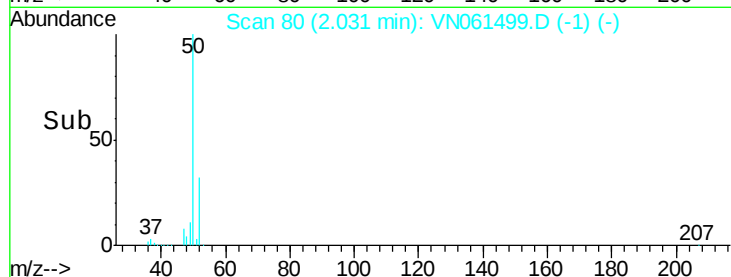
150000

100000

50000

0

Time--> 1.95 2.00 2.05 2.10 2.15



#4

Vinyl Chloride

Concen: 42.029 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN061499.D

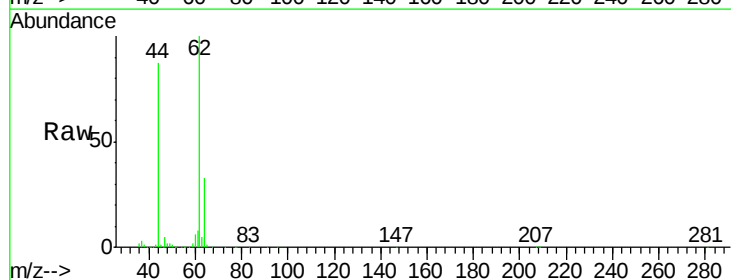
Acq: 20 May 2020 14:17

Tgt Ion: 62 Resp: 255296

Ion Ratio Lower Upper

62 100

64 32.9 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

200000

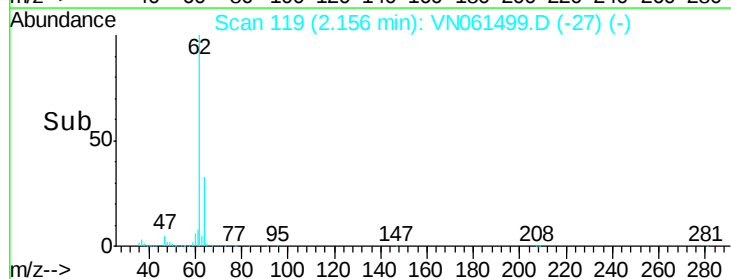
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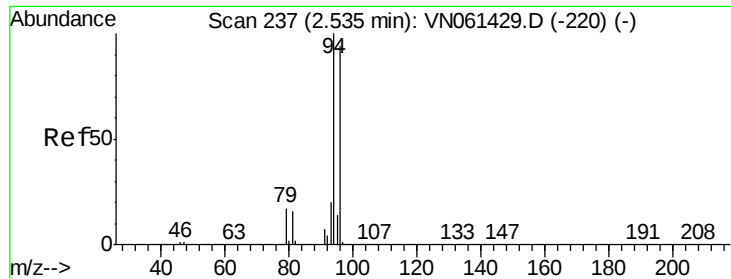
100000

50000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 48.874 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

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VSTDCCC050

Tot Ion: 94 Resp: 150400

Ion Ratio Lower Upper

94 100

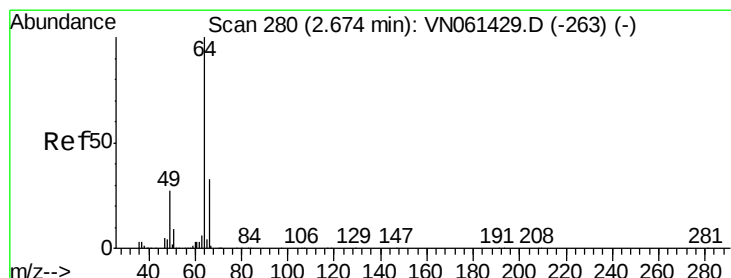
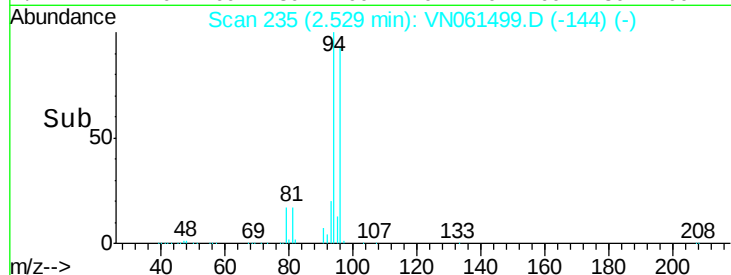
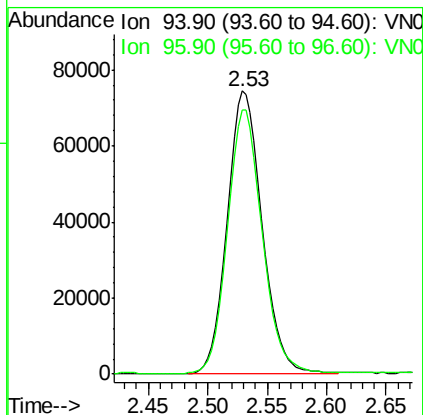
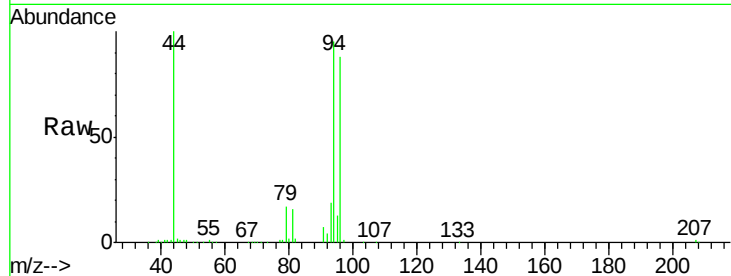
96 93.1 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 40.972 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.00 min

Lab File: VN061499.D

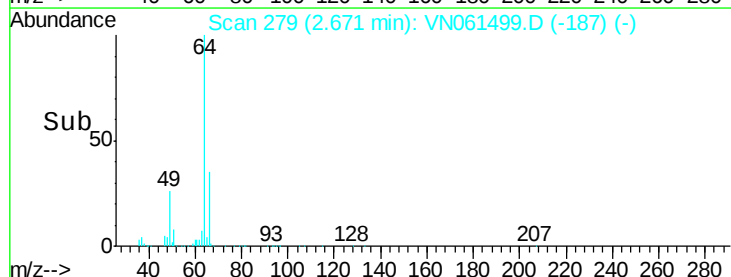
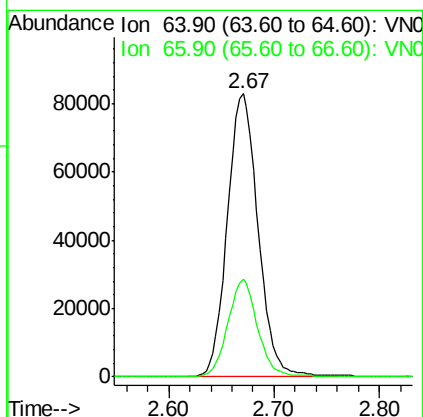
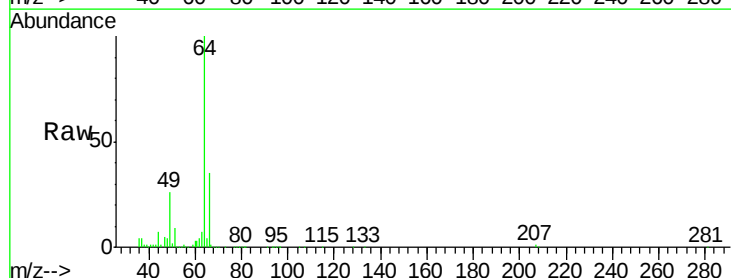
Acq: 20 May 2020 14:17

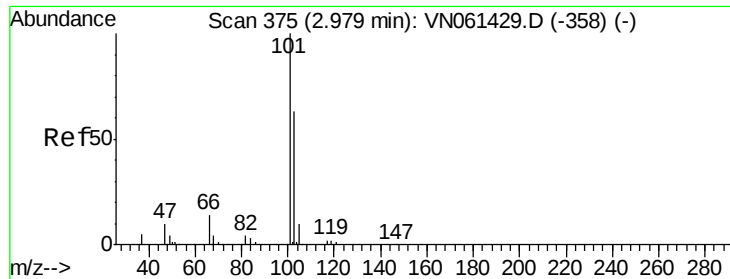
Tgt Ion: 64 Resp: 167513

Ion Ratio Lower Upper

64 100

66 34.6 26.3 39.5





#7

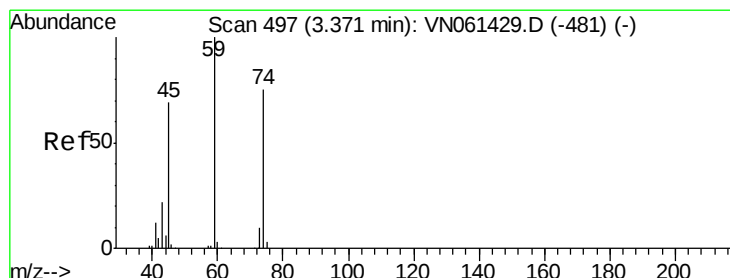
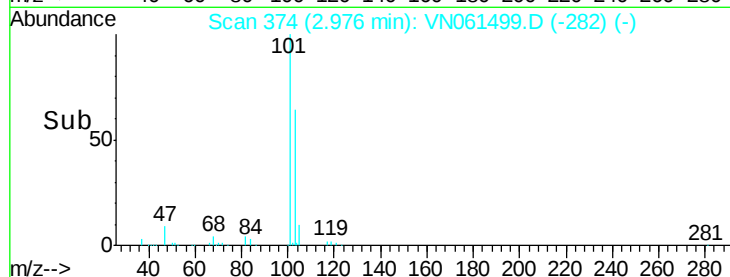
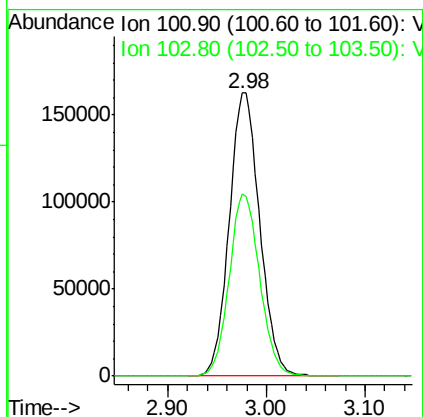
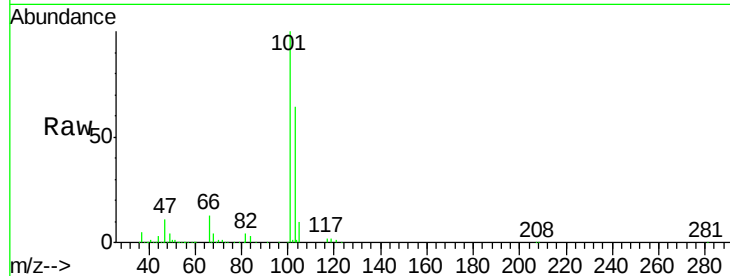
Trichlorofluoromethane
Concen: 47.672 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	351559		
103	64.3	50.2	75.4	

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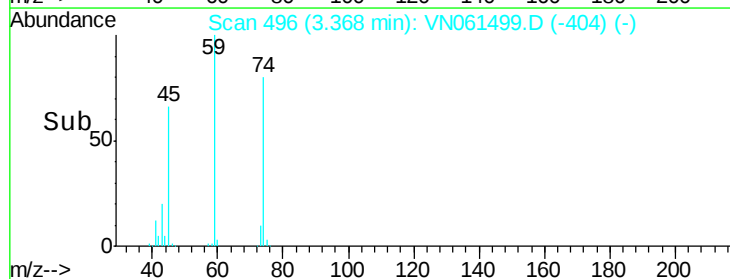
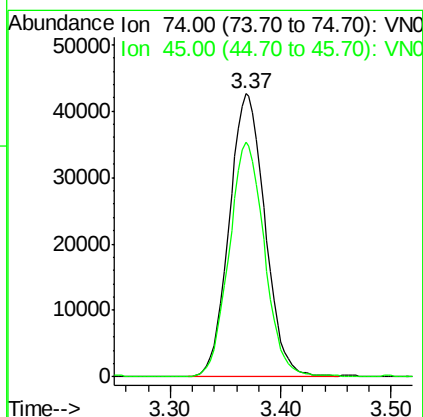
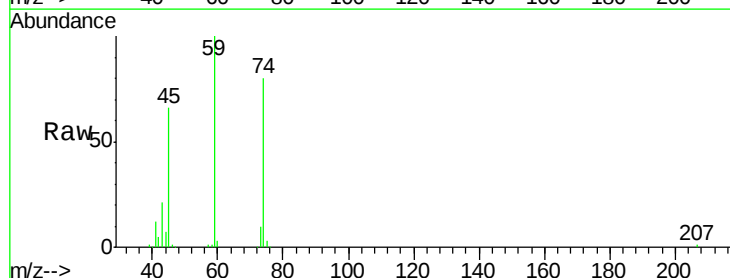
MMDadoda
5/21/2020 1:16:12 PM

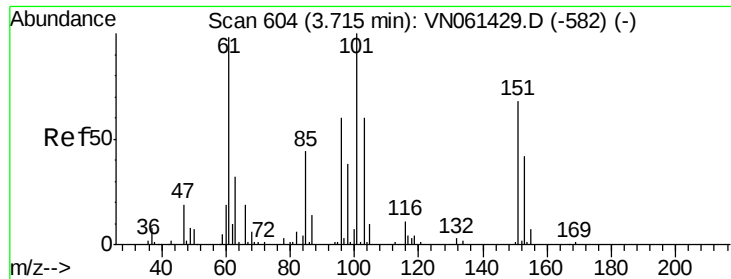


#8

Diethyl Ether
Concen: 44.675 ug/l
RT: 3.37 min Scan# 496
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	95963		
45	81.9	45.7	137.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.924 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN061499.D

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Instrument :

MSVOA_N

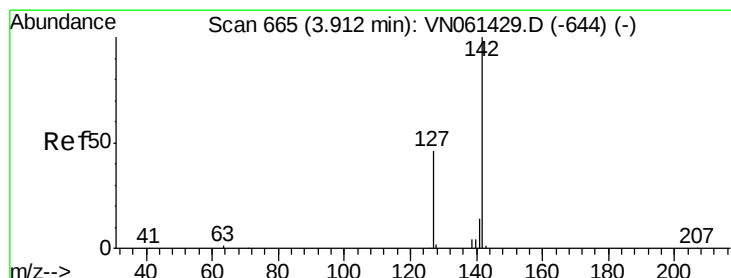
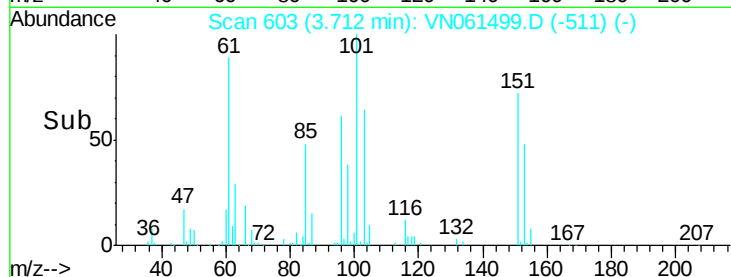
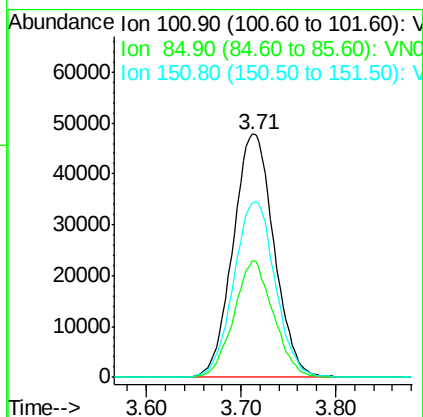
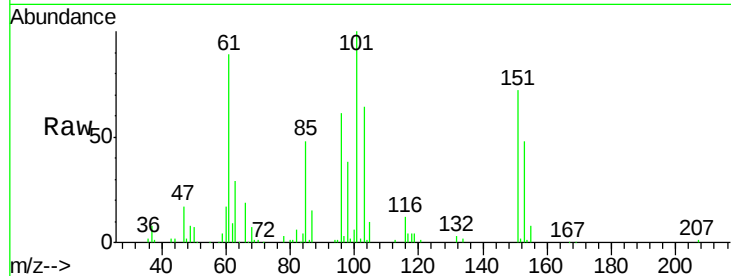
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	143902
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.6	55.0
151	73.0	56.3	84.5

Manual Integrations
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#10

Methyl Iodide

Concen: 48.108 ug/l

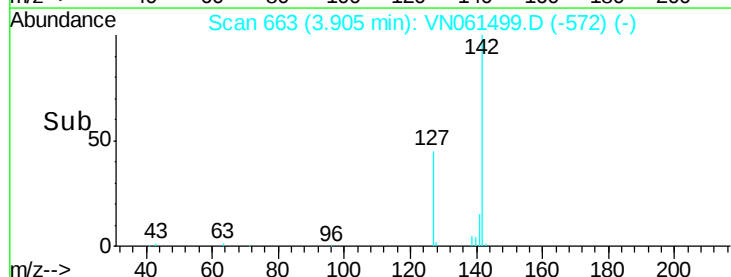
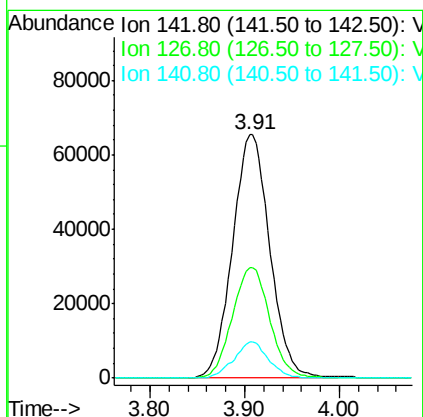
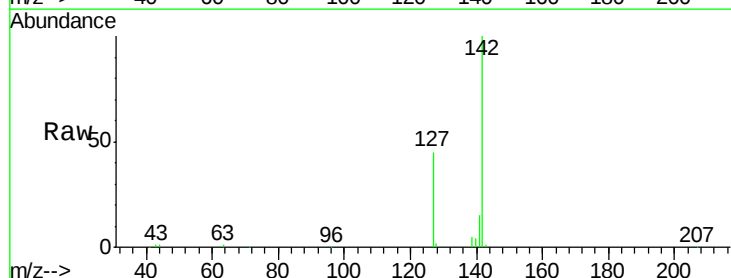
RT: 3.91 min Scan# 663

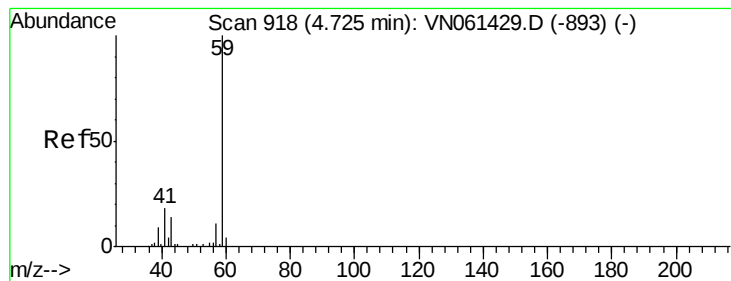
Delta R.T. -0.01 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Tgt Ion:	142	Resp:	179191
Ion Ratio	Lower	Upper	
142	100		
127	45.6	36.7	55.1
141	13.8	11.5	17.3





#11

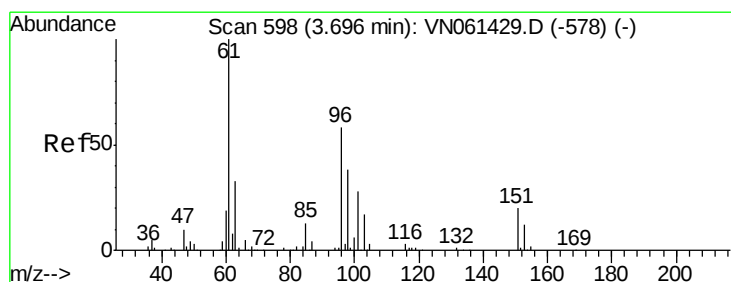
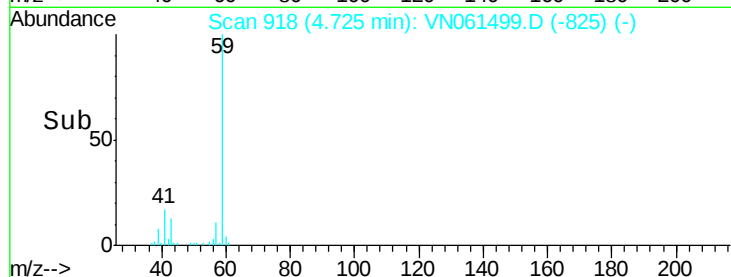
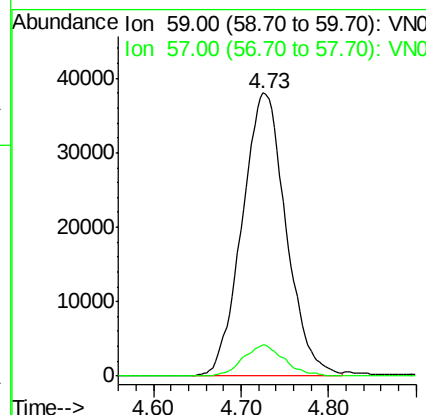
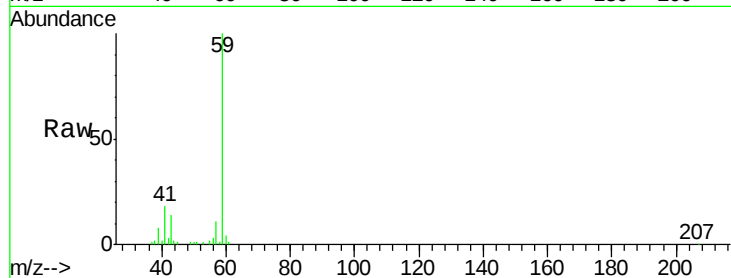
Tert butyl alcohol
Concen: 246.581 ug/l
RT: 4.73 min Scan# 918
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.3	Resp	132702	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.3	Resp	132702	Lower	8.2	Upper	12.2

Manual Integrations
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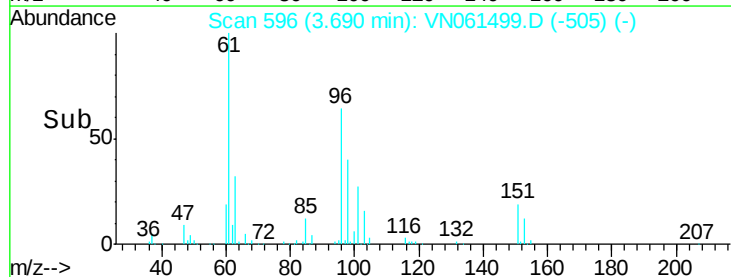
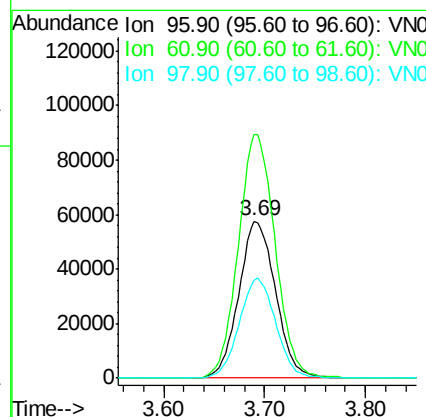
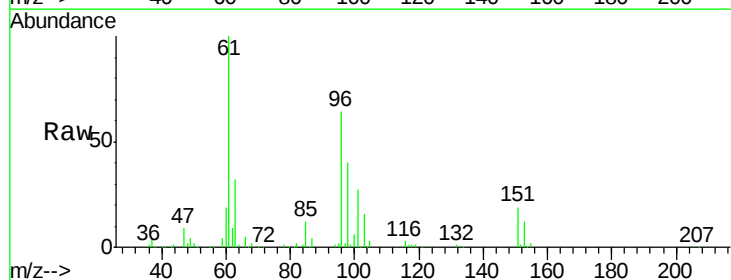
MMDadoda
5/21/2020 1:16:12 PM

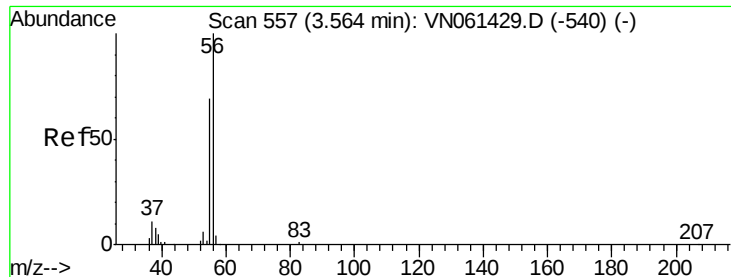


#12

1,1-Dichloroethene
Concen: 45.390 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.01 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	96	61	98	Ratio	100	155.2	62.6	Resp	145605	Lower	138.7	53.0	Upper	208.1	79.6
Ion	96	61	98	Ratio	100	155.2	62.6	Resp	145605	Lower	138.7	53.0	Upper	208.1	79.6





#13

Acrolein

Concen: 171.678 ug/l

RT: 3.56 min Scan# 556

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 68238

Ion Ratio Lower Upper

56 100

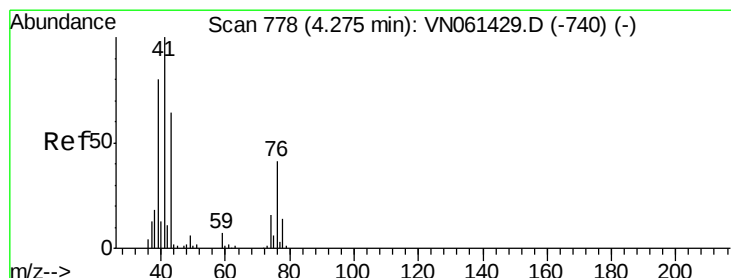
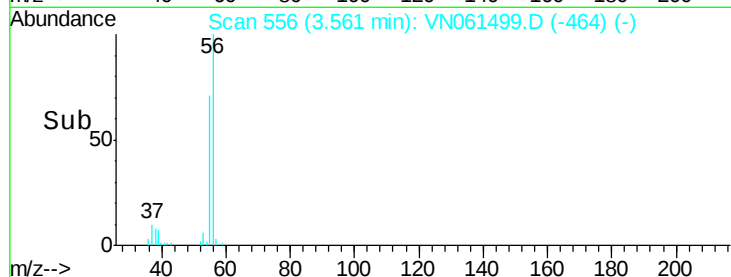
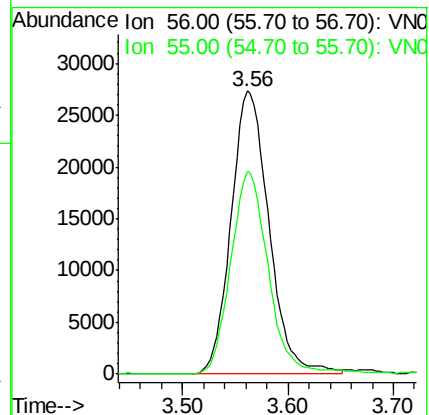
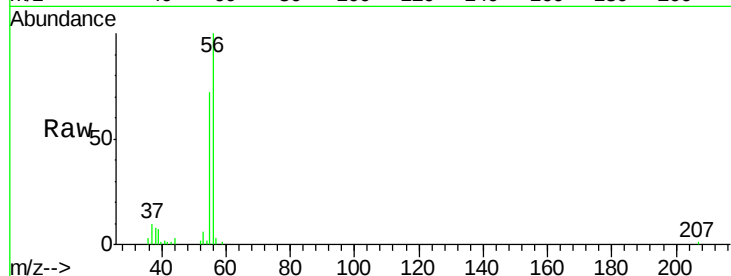
55 71.2 54.8 82.2

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 41.212 ug/l

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

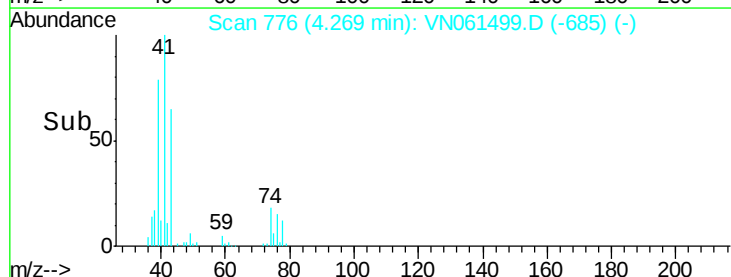
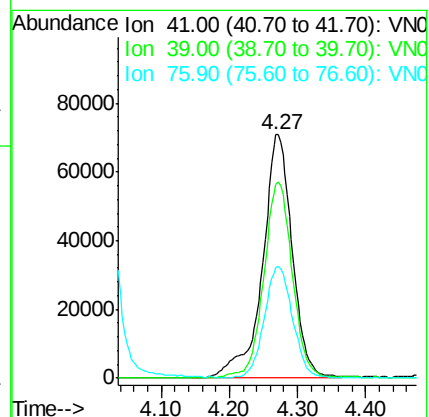
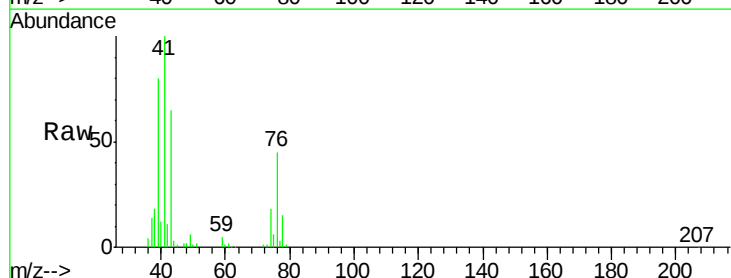
Tgt Ion: 41 Resp: 215147

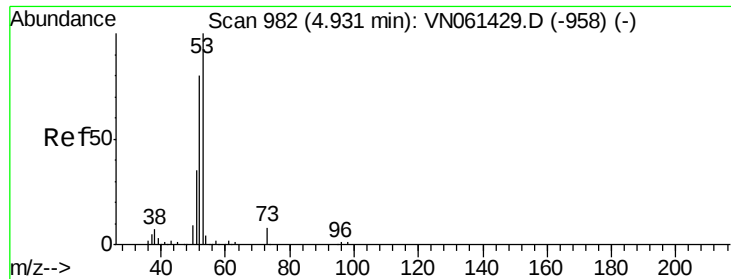
Ion Ratio Lower Upper

41 100

39 77.1 61.2 91.8

76 42.8 29.9 44.9





#15

Acrylonitrile

Concen: 203.089 ug/l

RT: 4.92 min Scan# 980

Delta R.T. -0.01 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

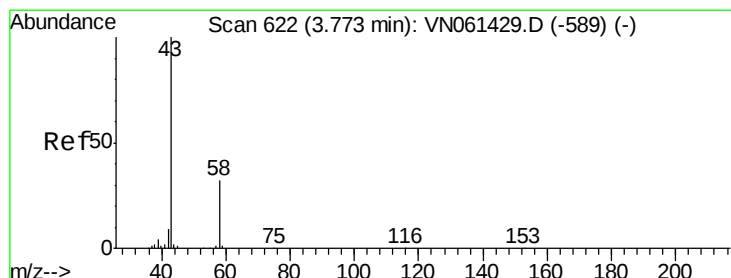
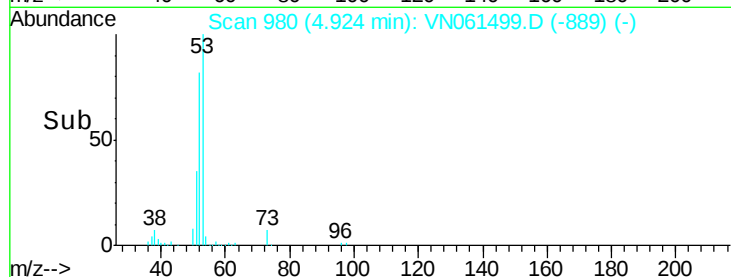
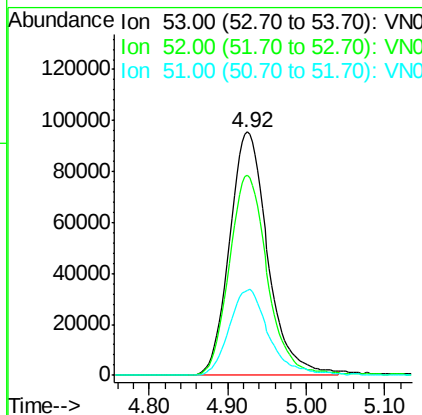
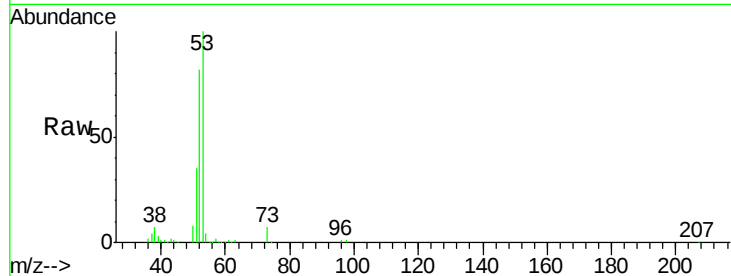
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	323809
Ion	Ratio	Lower	Upper
53	100		
52	81.9	64.7	97.1
51	36.7	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 213.886 ug/l

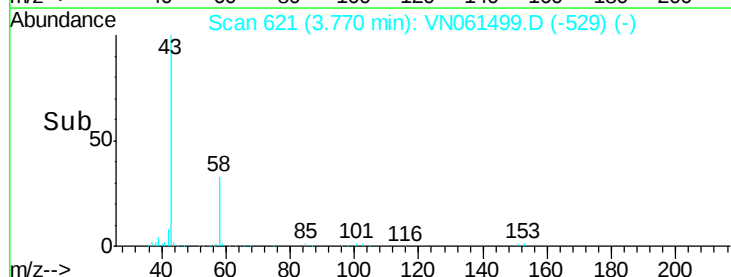
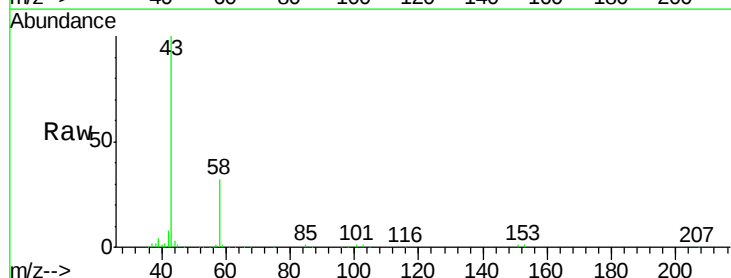
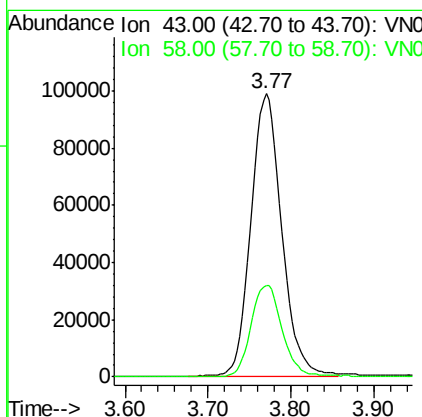
RT: 3.77 min Scan# 621

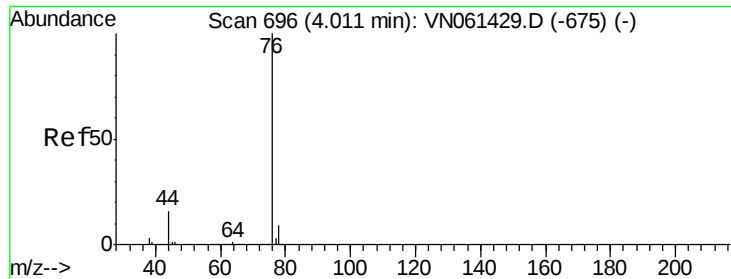
Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Tgt Ion:	43	Resp:	257547
Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.6	38.4





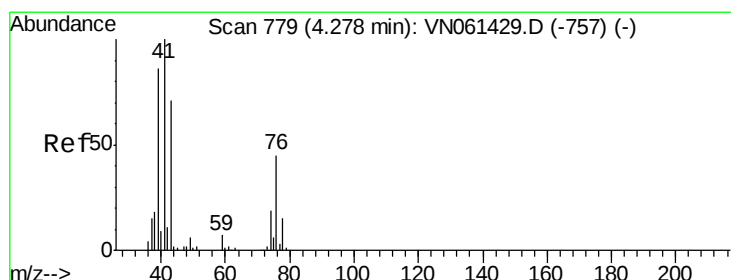
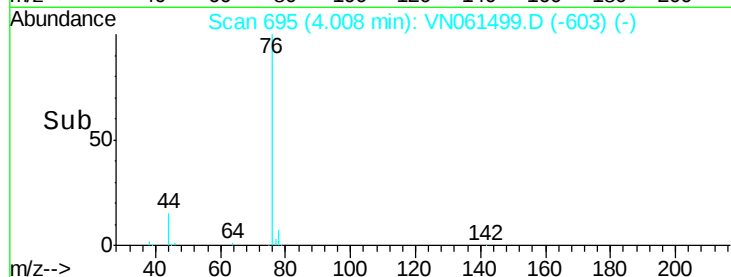
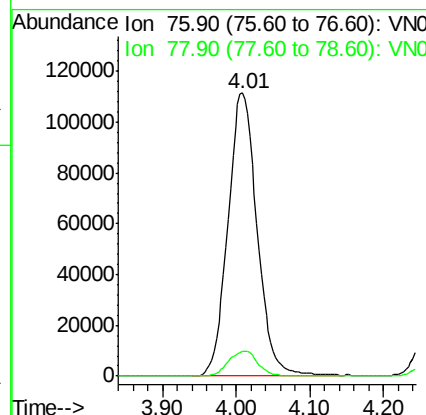
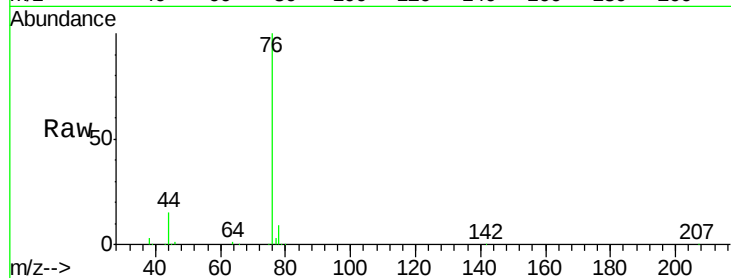
#17
Carbon Disulfide
Concen: 44.309 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 307487
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

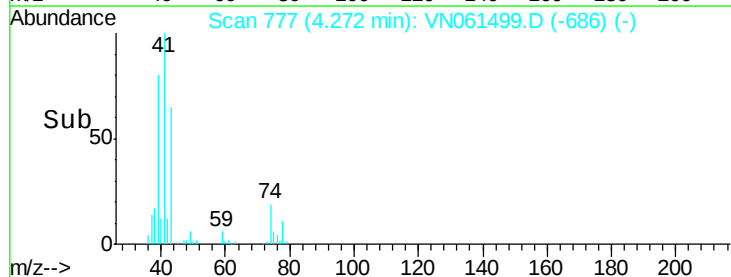
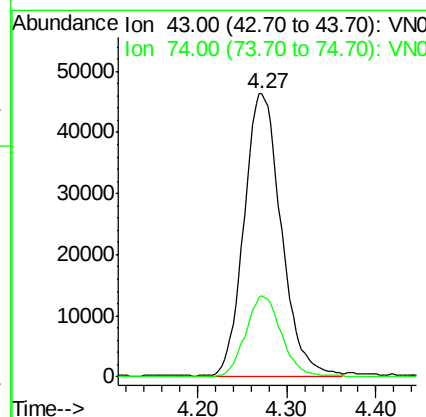
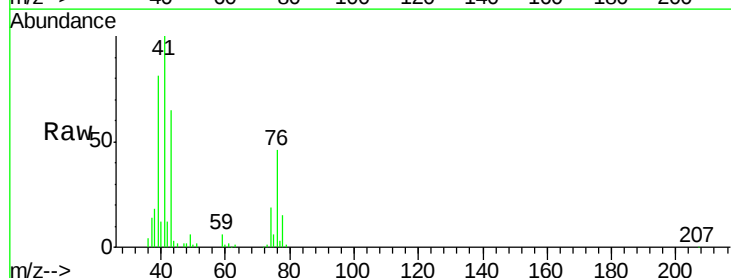
Manual Integrations
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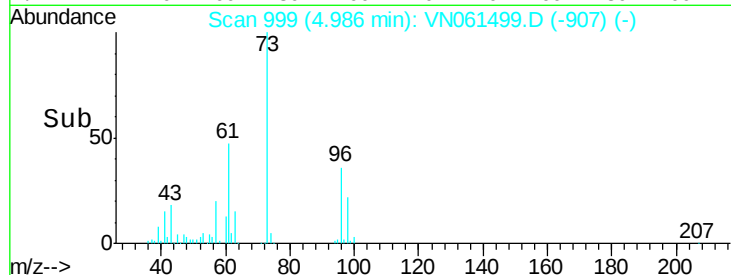
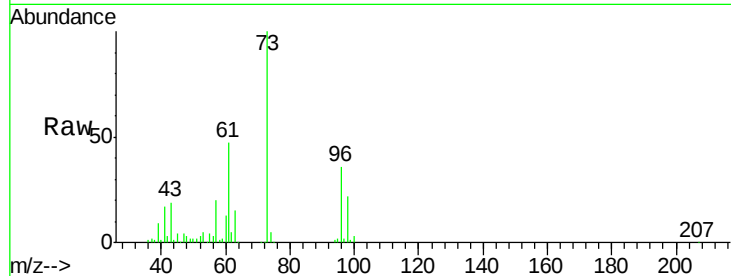
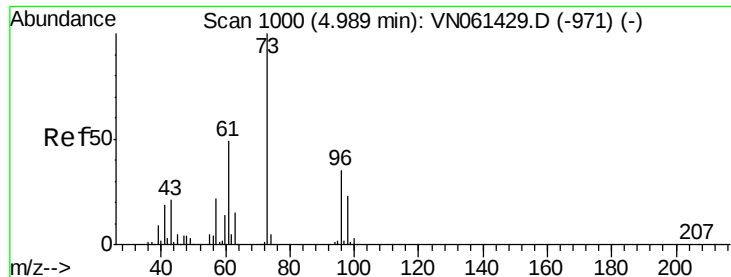
MMDadoda
5/21/2020 1:16:12 PM



#18
Methyl Acetate
Concen: 41.492 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.01 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion: 43 Resp: 133488
Ion Ratio Lower Upper
43 100
74 28.0 20.8 31.2





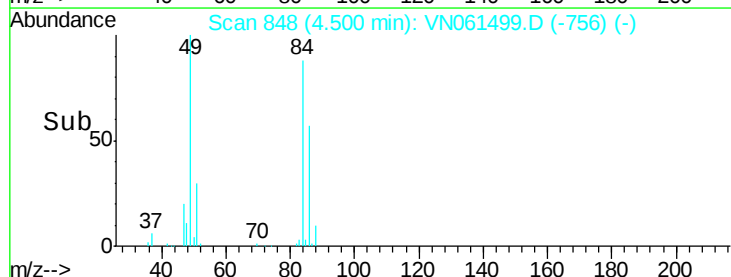
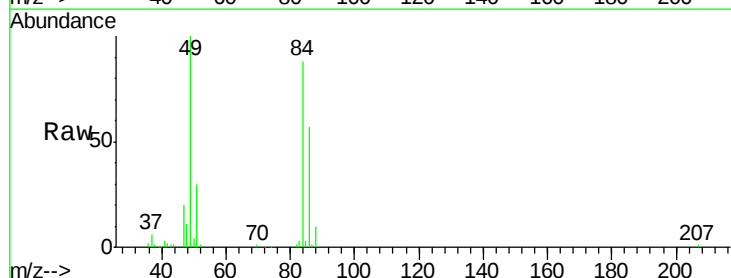
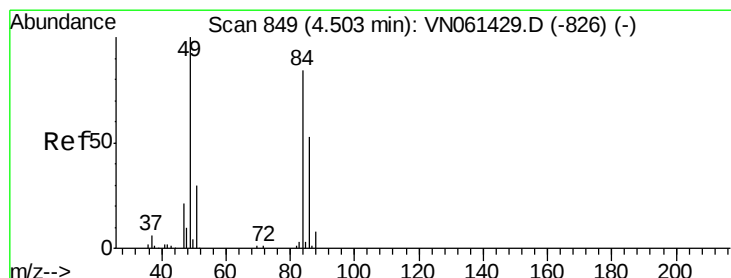
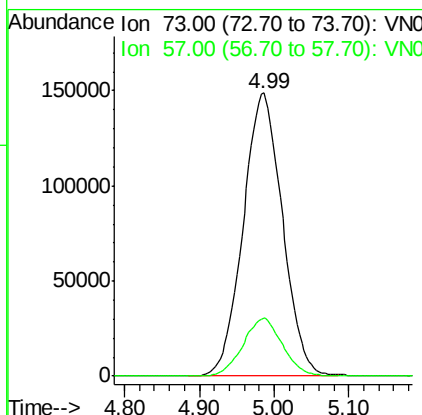
#19
Methvl tert-butvl Ether
Concen: 44.707 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tot Ion: 73 Resp: 544238
Ion Ratio Lower Upper
73 100
57 20.4 17.4 26.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

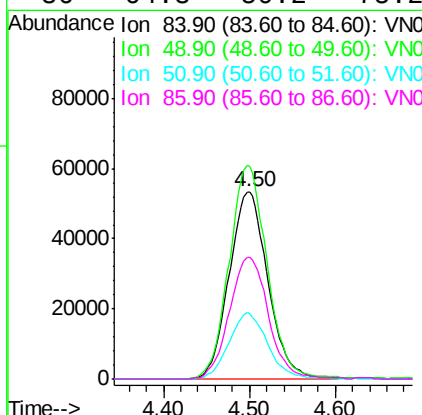
Manual Integrations
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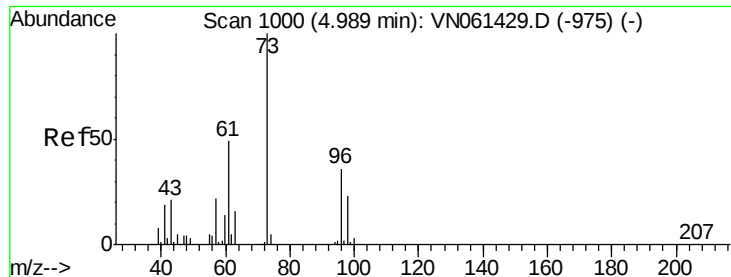
MMDadoda
5/21/2020 1:16:12 PM



#20
Methylene Chloride
Concen: 43.488 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion: 84 Resp: 166932
Ion Ratio Lower Upper
84 100
49 113.3 95.3 142.9
51 34.5 29.0 43.6
86 64.8 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 46.327 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

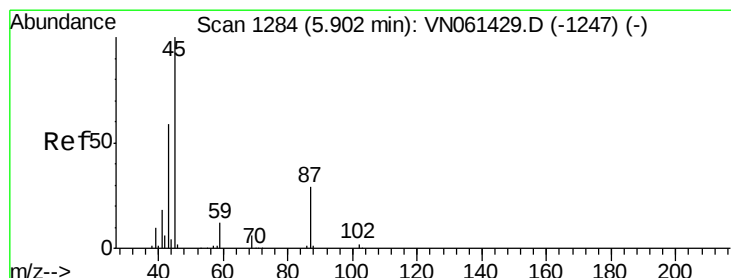
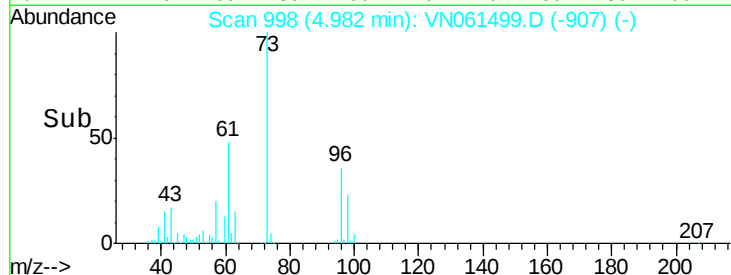
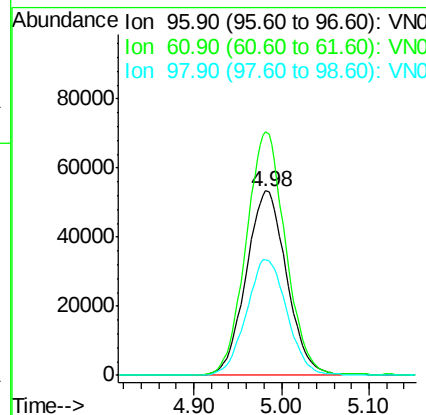
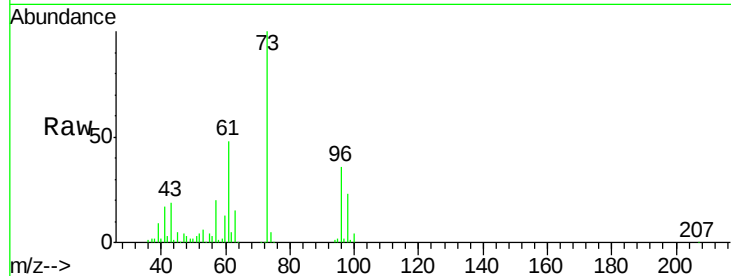
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	171364
Ion	Ratio	Lower	Upper
96	100		
61	132.0	109.8	164.6
98	63.0	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 42.293 ug/l

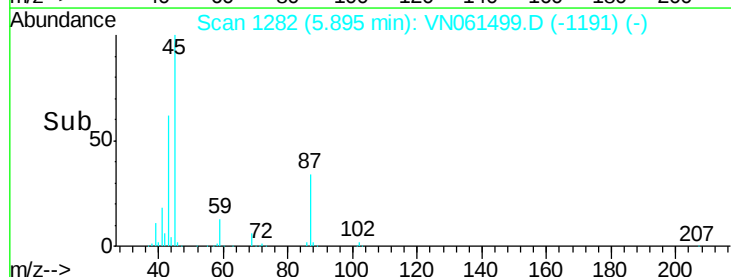
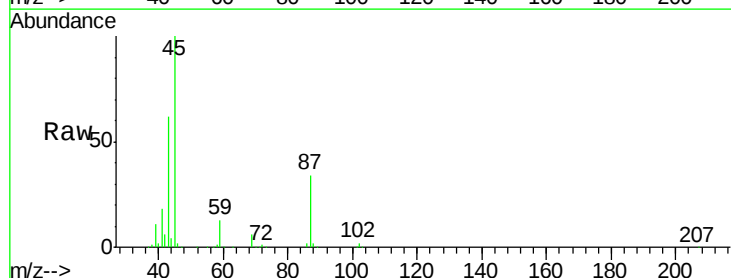
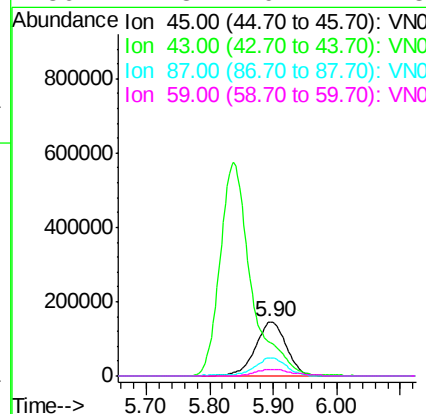
RT: 5.90 min Scan# 1282

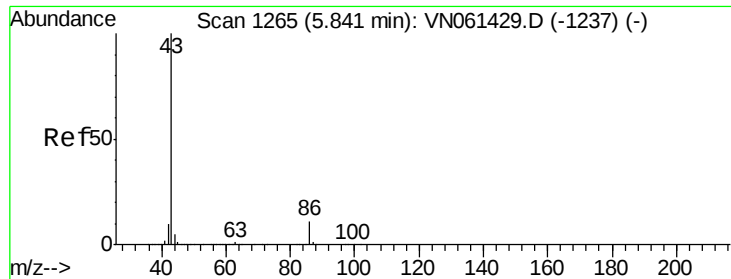
Delta R.T. -0.01 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Tgt Ion:	45	Resp:	496151
Ion	Ratio	Lower	Upper
45	100		
43	61.4	47.9	71.9
87	34.0	24.0	36.0
59	12.8	9.7	14.5





#23

Vinyl Acetate

Concen: 209.525 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1954624

Ion Ratio Lower Upper

43 100

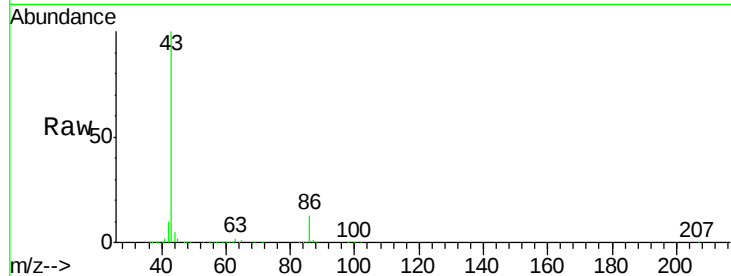
86 12.9 9.1 13.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

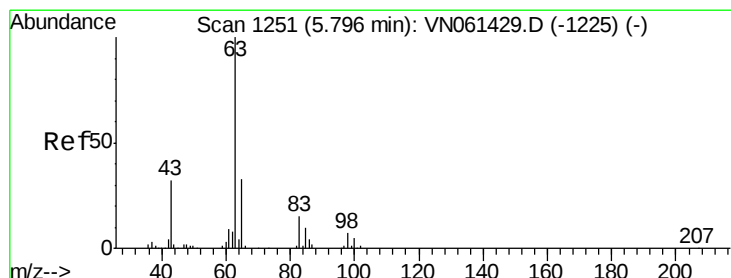
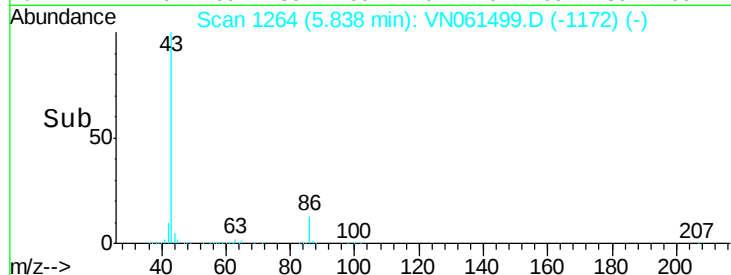
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 44.351 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

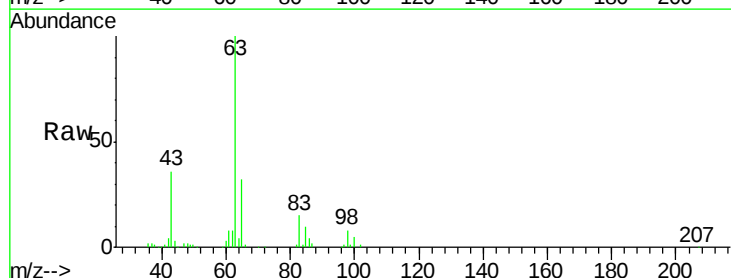
Tgt Ion: 63 Resp: 303473

Ion Ratio Lower Upper

63 100

98 7.7 3.5 10.5

100 4.7 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.79

120000

100000

80000

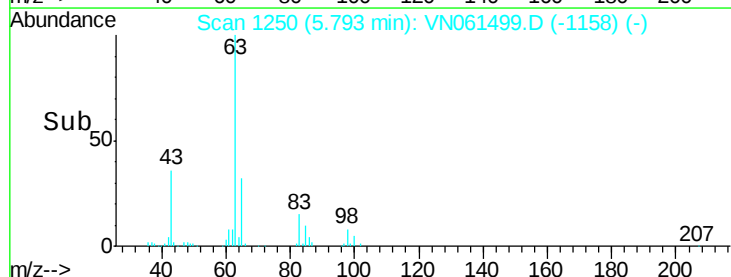
60000

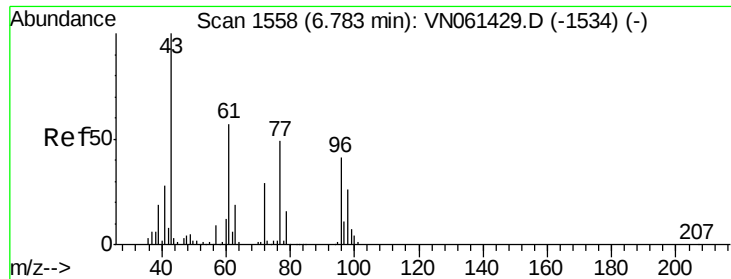
40000

20000

0

Time-->





#25

2-Butanone

Concen: 199.588 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 424444

Ion Ratio Lower Upper

43 100

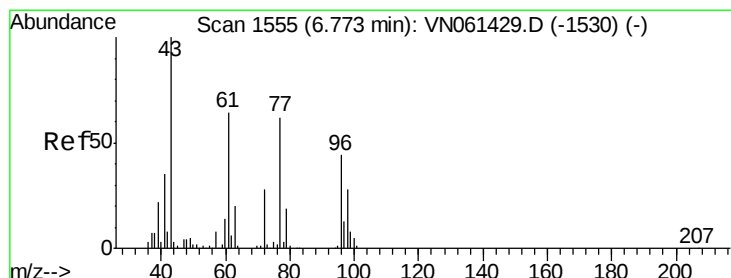
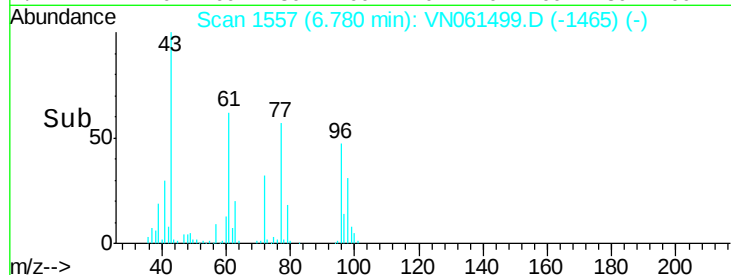
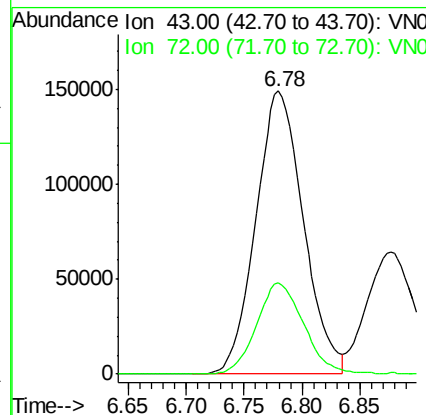
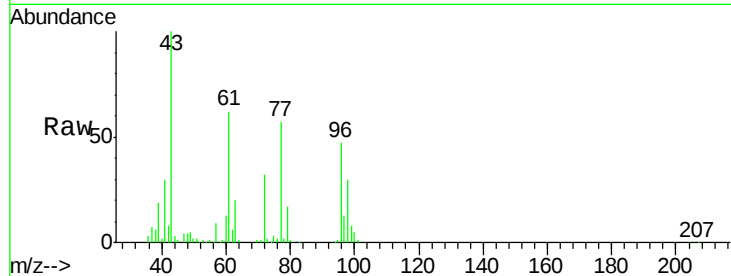
72 32.4 23.0 34.6

Manual Integrations

APPROVED

MMDadoda

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#26

2,2-Dichloropropane

Concen: 44.947 ug/l

RT: 6.77 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VN061499.D

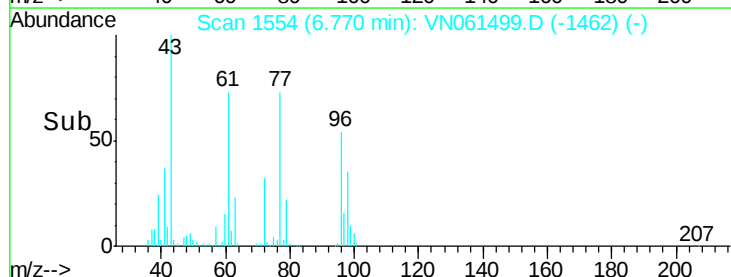
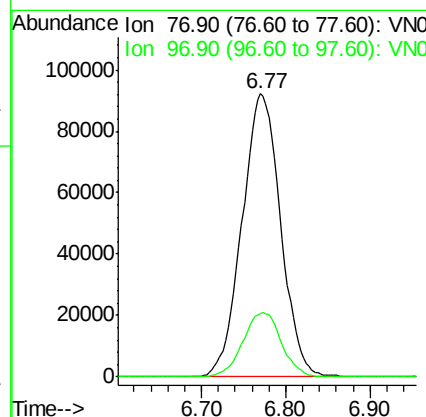
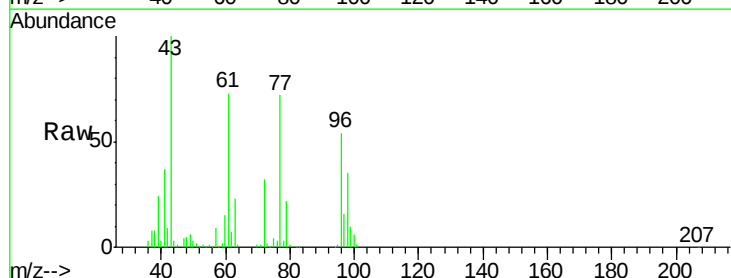
Acq: 20 May 2020 14:17

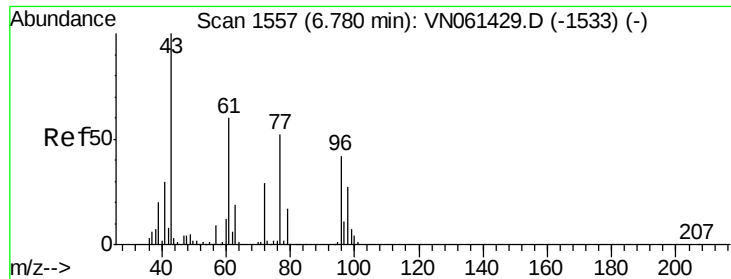
Tgt Ion: 77 Resp: 293187

Ion Ratio Lower Upper

77 100

97 22.8 10.9 32.9





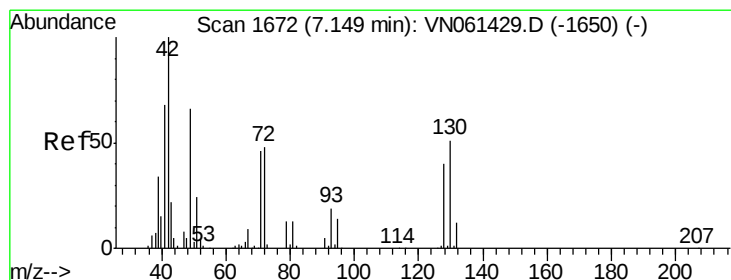
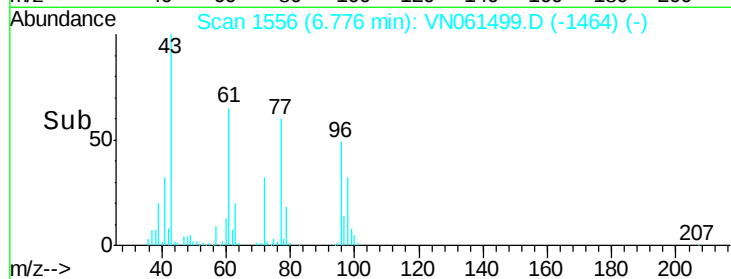
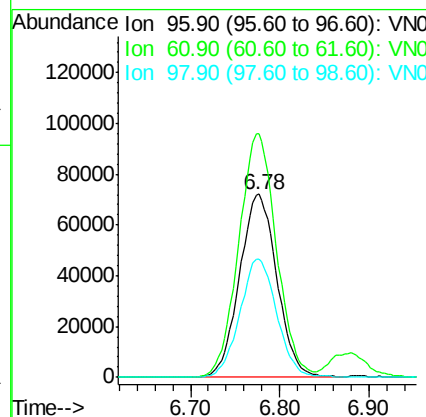
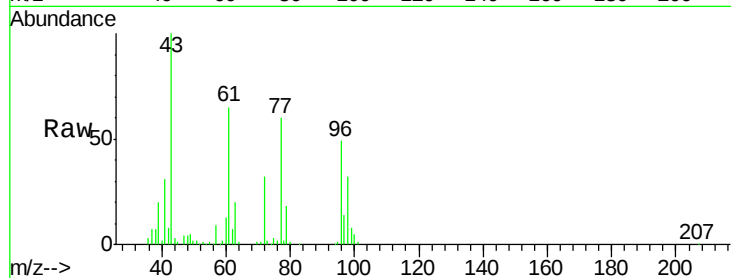
#27
 cis-1,2-Dichloroethene
 Concen: 48.192 ug/l
 RT: 6.78 min Scan# 1556
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	210570		
61	133.5	0.0	294.2	
98	63.7	0.0	128.2	

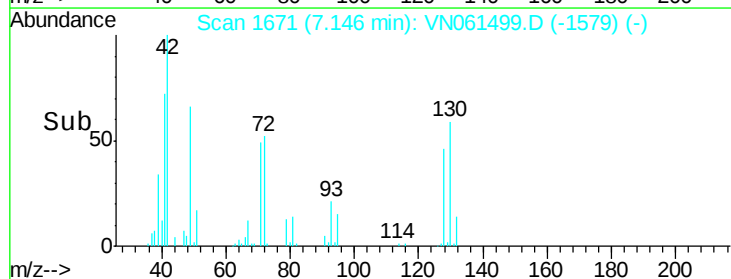
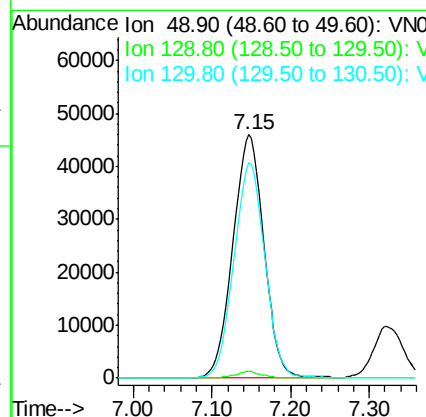
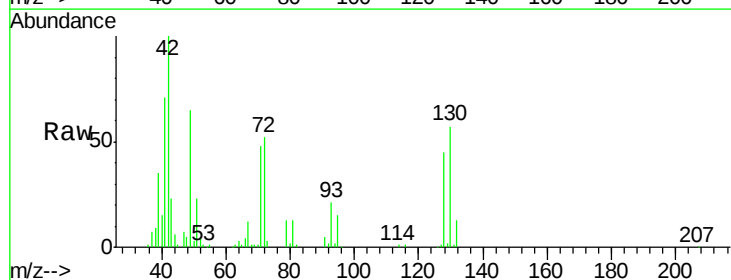
Manual Integrations
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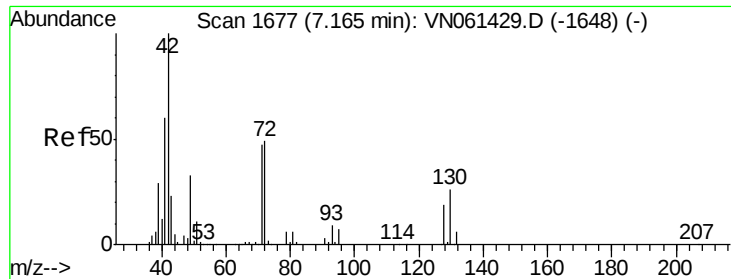
MMDadoda
 5/21/2020 1:16:12 PM



#28
 Bromochloromethane
 Concen: 43.380 ug/l
 RT: 7.15 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	125994		
129	2.3	0.0	4.6	
130	88.1	62.2	93.2	





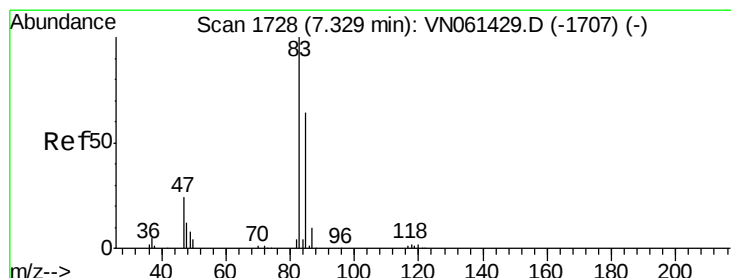
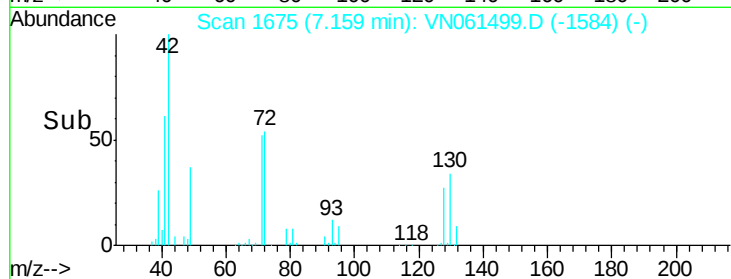
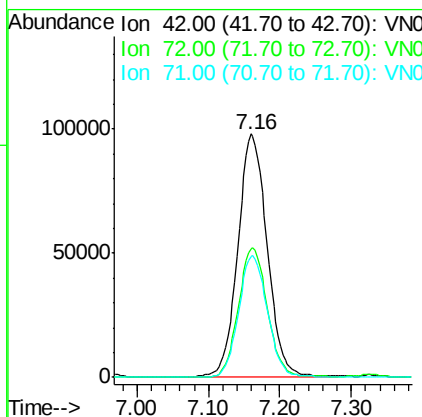
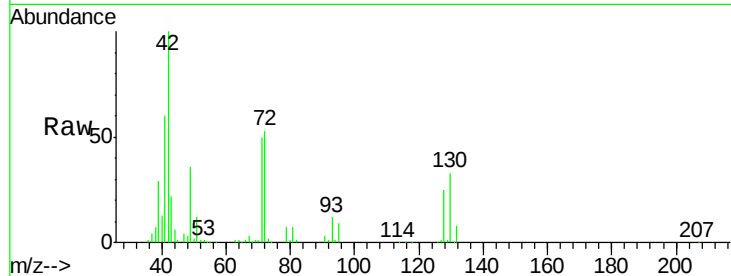
#29
Tetrahydrofuran
Concen: 198.523 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.9	39.0	58.6
71	49.2	36.9	55.3

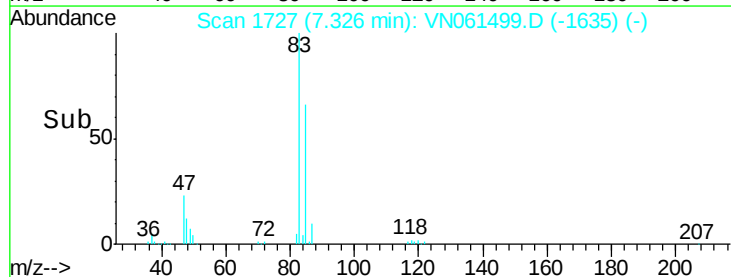
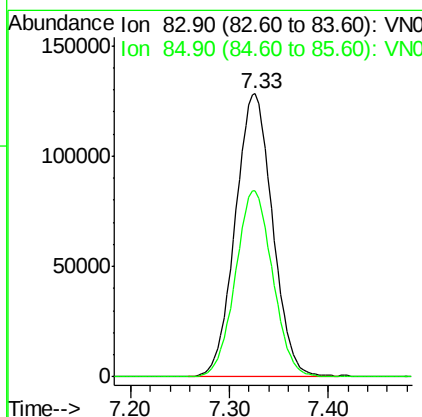
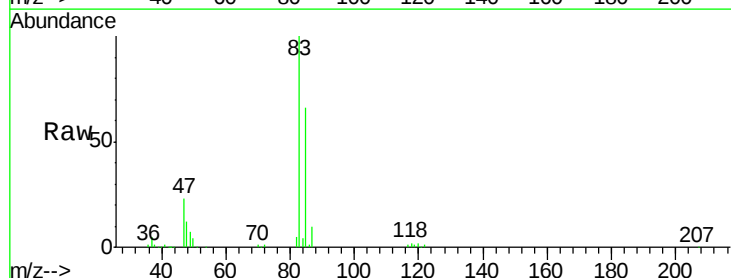
Manual Integrations
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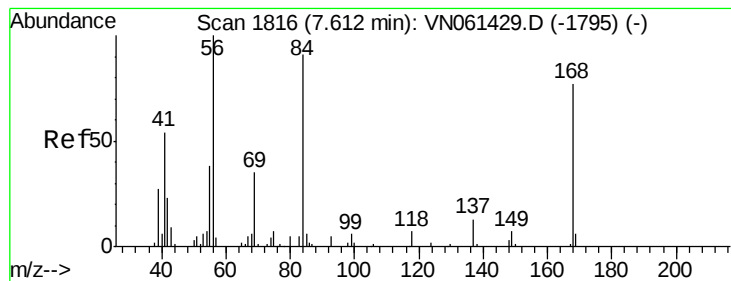
MMDadoda
5/21/2020 1:16:12 PM



#30
Chloroform
Concen: 47.039 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.0	76.4





#31

Cyclohexane

Concen: 42.546 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

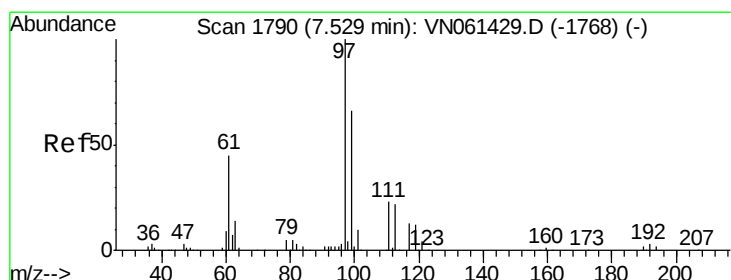
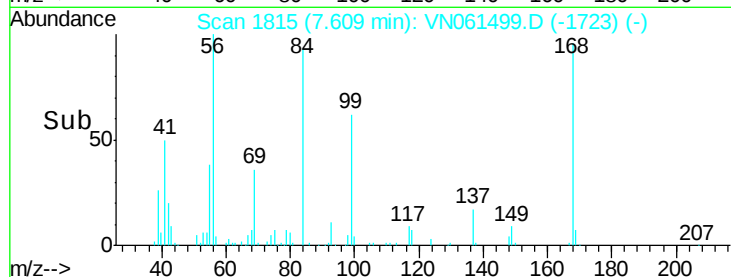
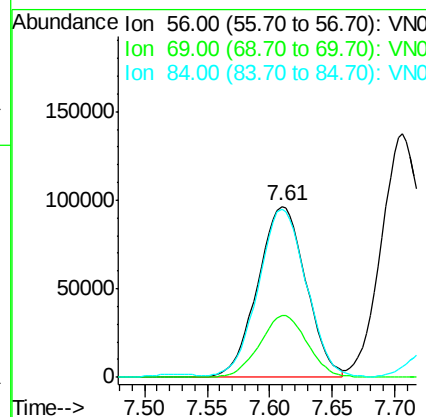
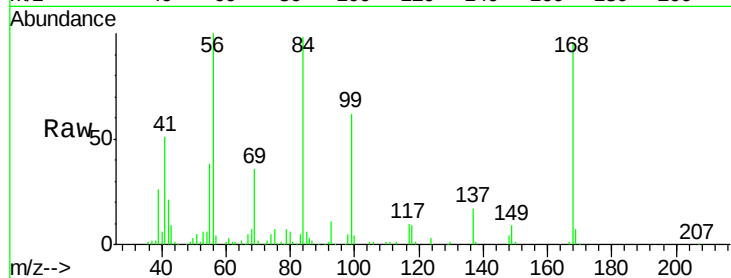
VSTDCCC050

Tot Ion: 56 Resp: 258907

Ion	Ratio	Lower	Upper
56	100		
69	36.1	27.8	41.6
84	96.7	72.7	109.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.907 ug/l

RT: 7.53 min Scan# 1789

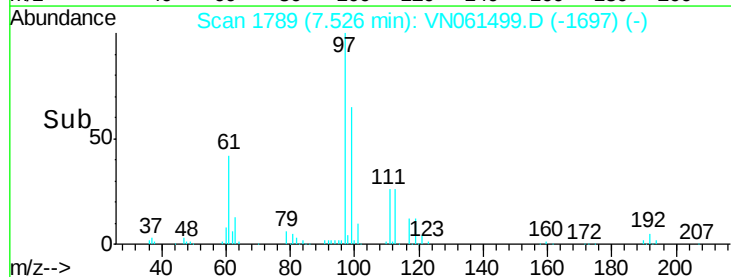
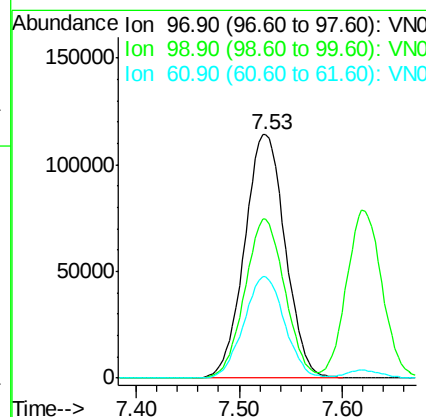
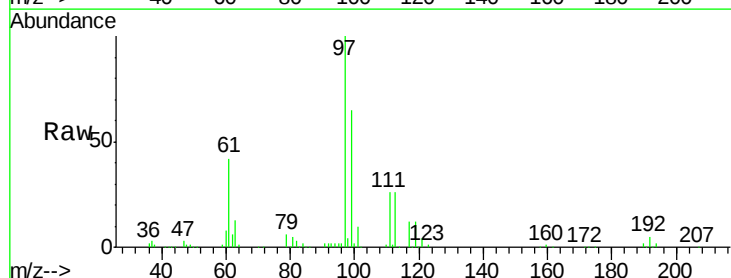
Delta R.T. -0.00 min

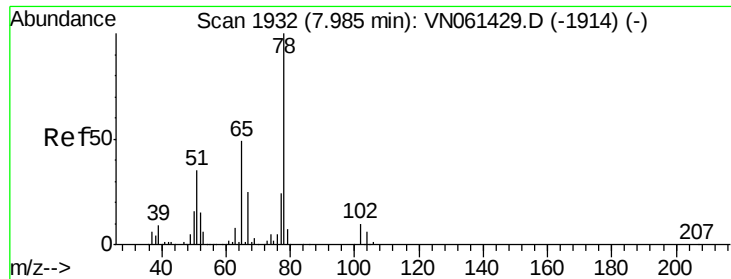
Lab File: VN061499.D

Acq: 20 May 2020 14:17

Tgt Ion: 97 Resp: 312863

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.5	77.3
61	41.7	35.8	53.6





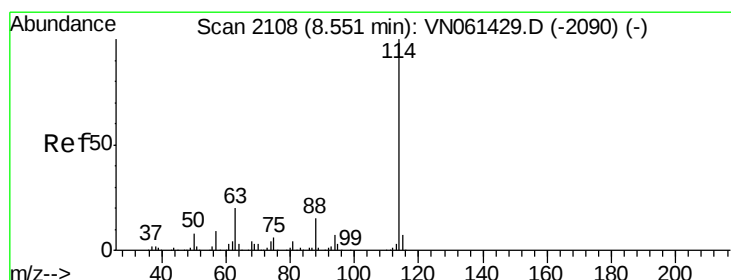
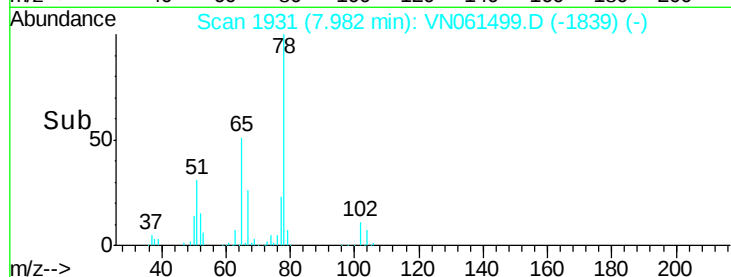
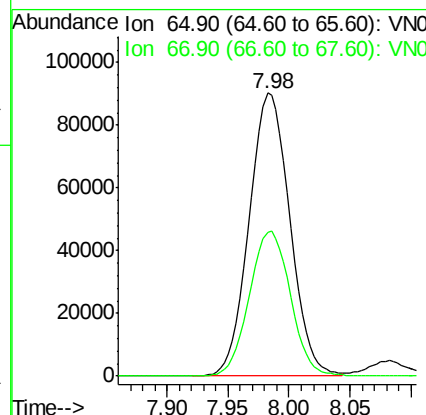
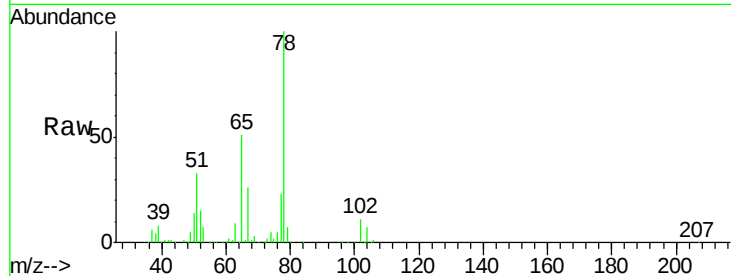
#33
 1,2-Dichloroethane-d4
 Concen: 44.699 ug/l
 RT: 7.98 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	208774		
67	51.7	0.0	101.4	

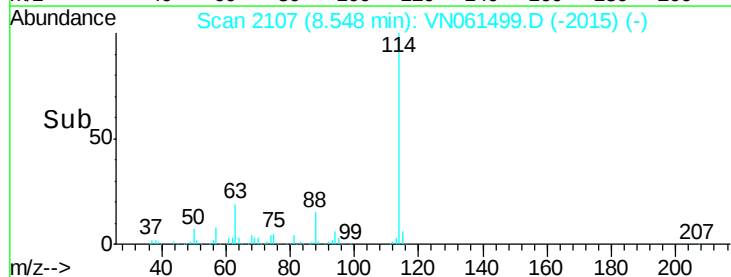
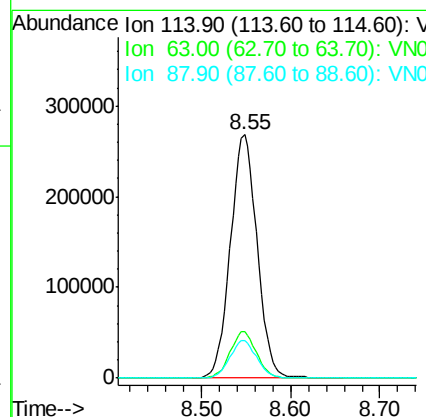
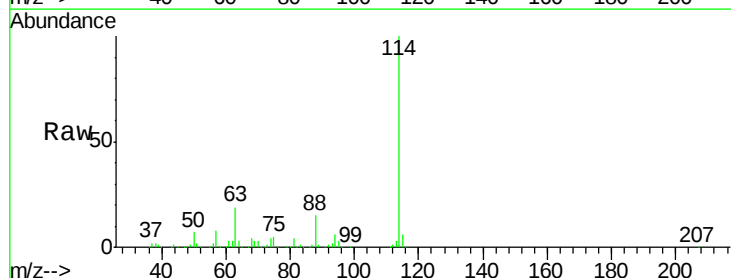
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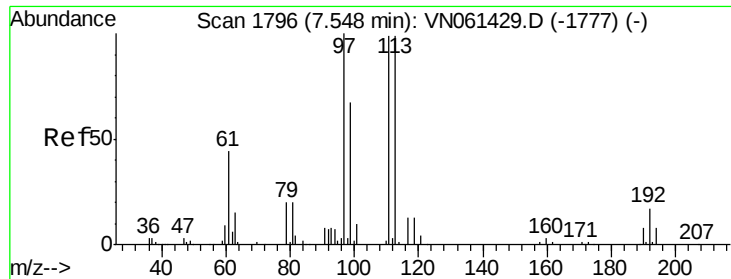
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	555065		
63	18.8	0.0	40.8	
88	15.3	0.0	30.8	





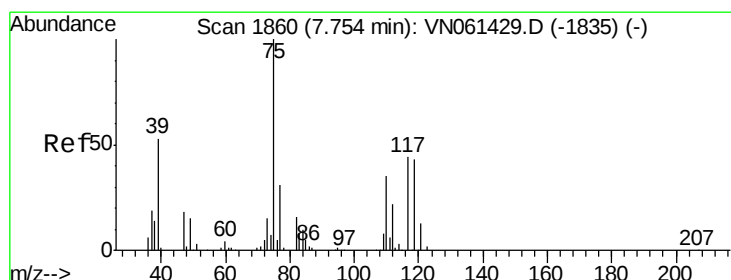
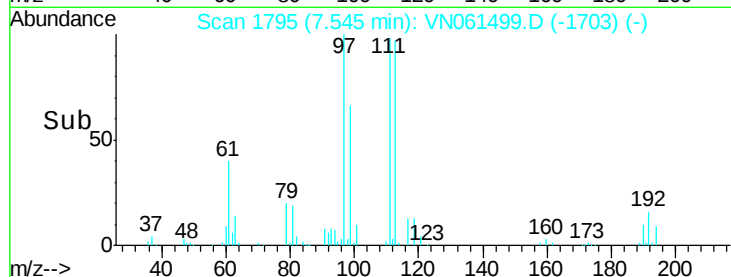
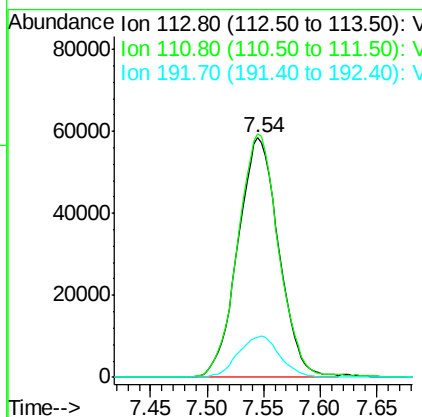
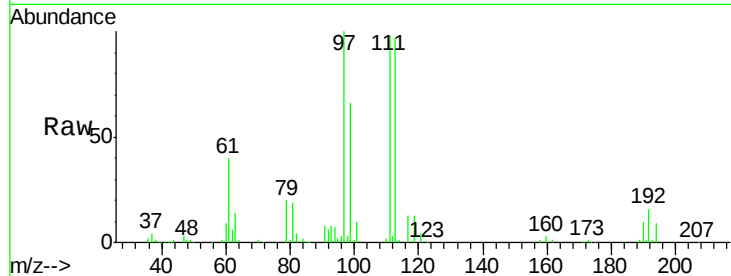
#35
 Dibromofluoromethane
 Concen: 50.500 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146845		
111	101.7	80.6	121.0	
192	17.5	13.2	19.8	

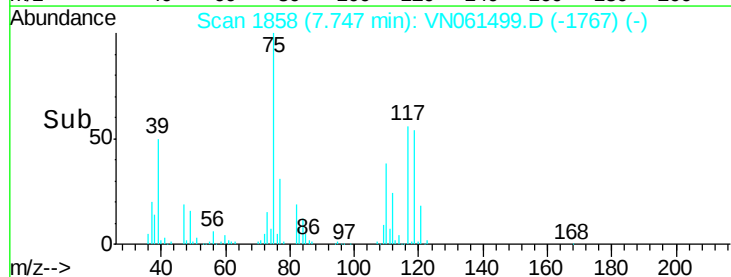
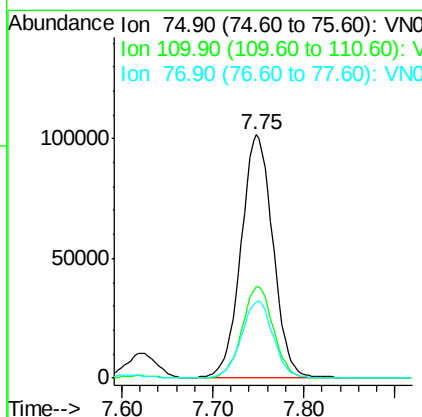
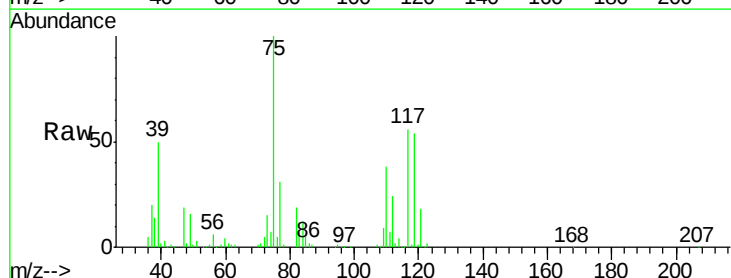
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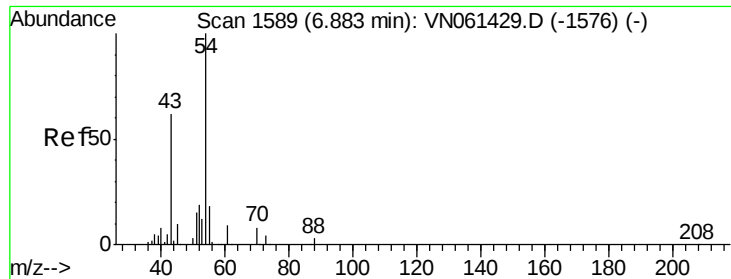
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#36
 1,1-Dichloropropene
 Concen: 47.473 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.01 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	246390		
110	37.1	17.3	51.9	
77	31.8	24.9	37.3	





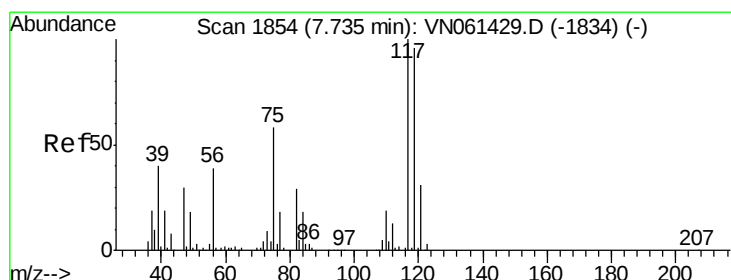
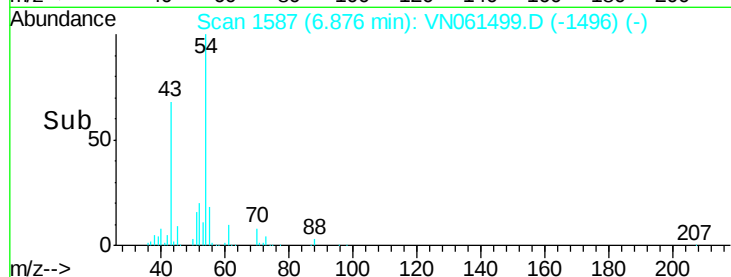
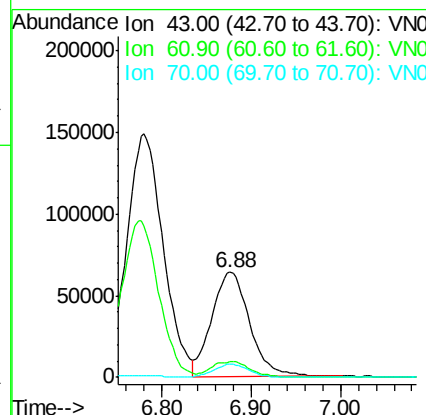
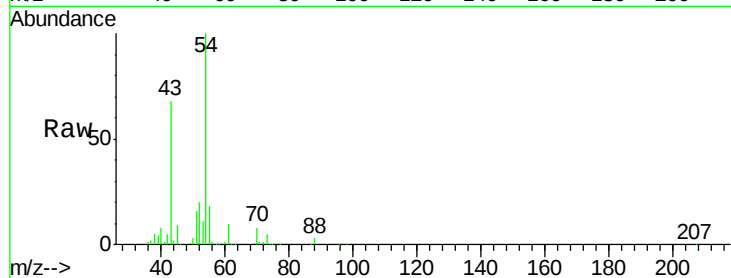
#37
Ethyl Acetate
Concen: 40.154 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	11.9	9.2	13.8

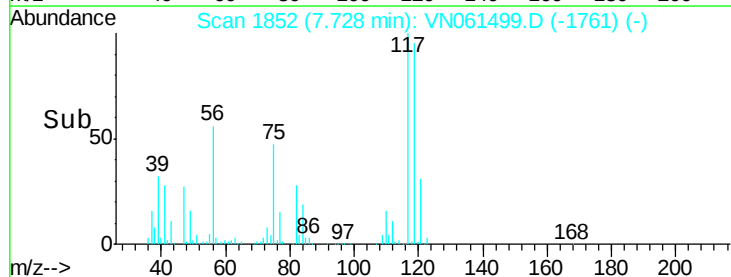
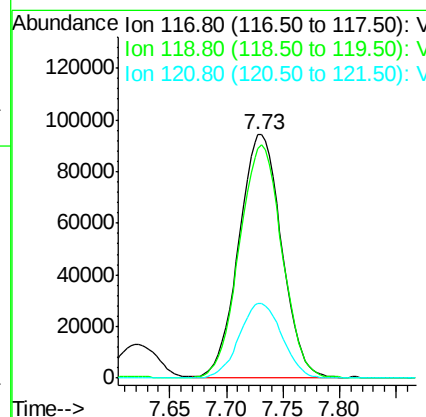
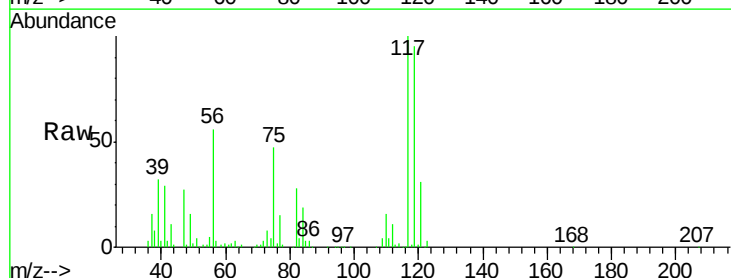
Manual Integrations
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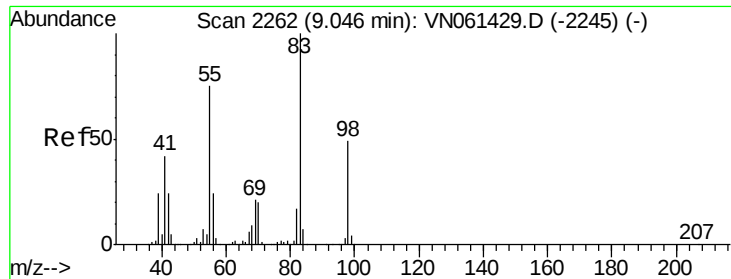
MMDadoda
5/21/2020 1:16:12 PM



#38
Carbon Tetrachloride
Concen: 51.506 ug/l
RT: 7.73 min Scan# 1852
Delta R.T. -0.01 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.0	115.6
121	30.9	24.7	37.1





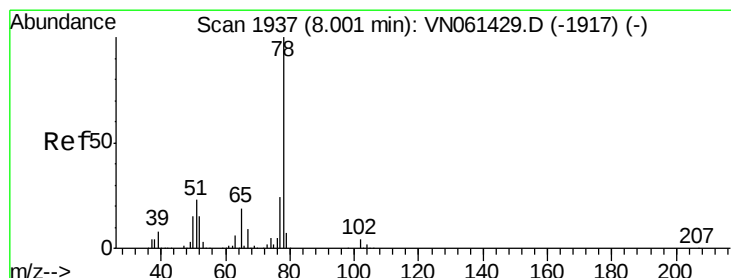
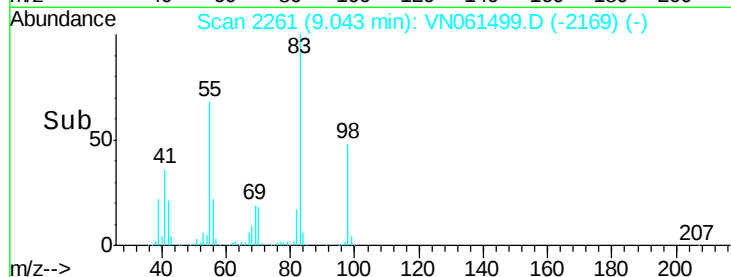
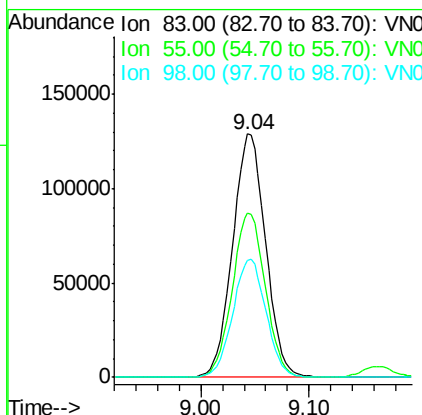
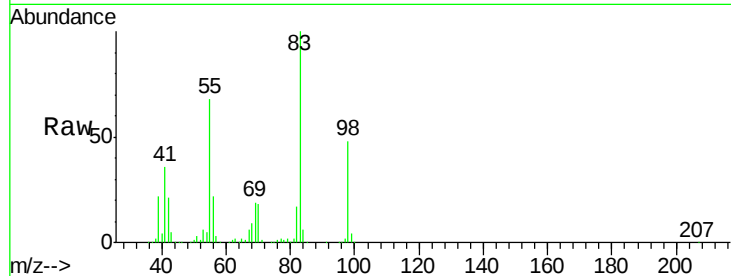
#39
Methvlcvclohexane
Concen: 43.328 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.6	59.7	89.5
98	48.0	38.9	58.3

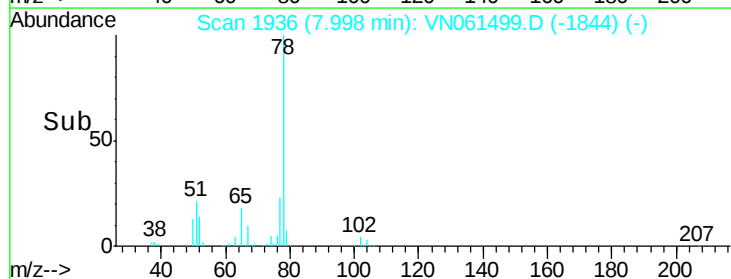
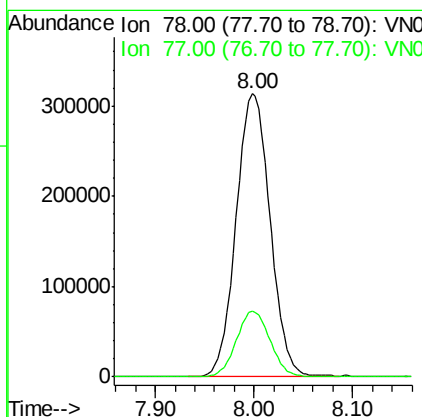
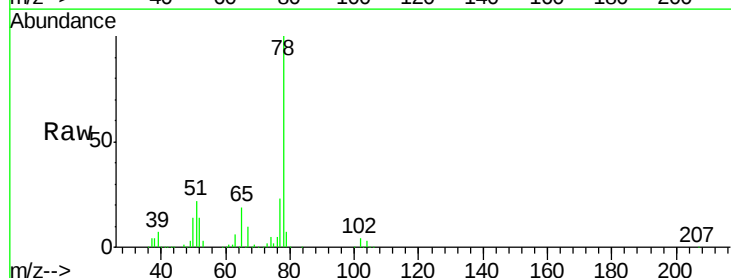
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#40
Benzene
Concen: 47.981 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7





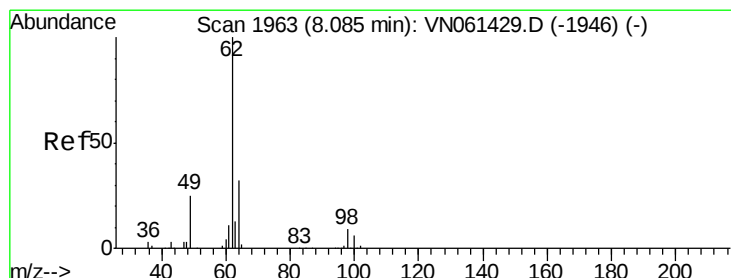
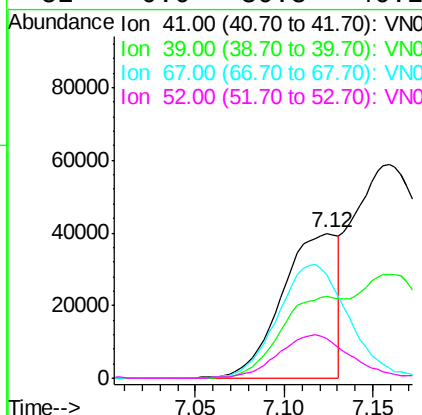
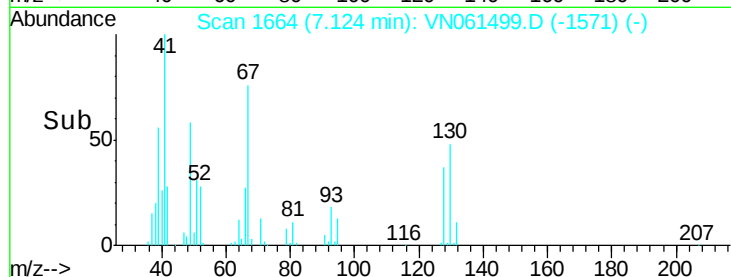
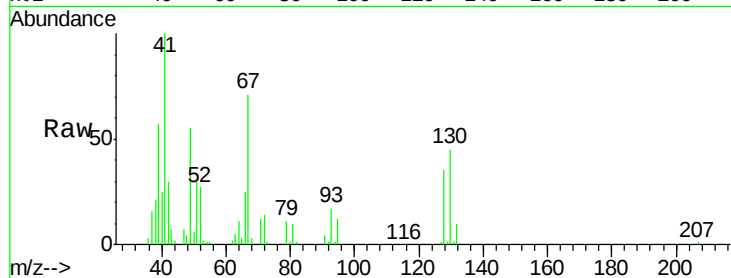
#41
Methacrylonitrile
Concen: 44.004 ug/l m
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.3	72.5#
67	0.0	74.2	111.4#
52	0.0	30.8	46.2#

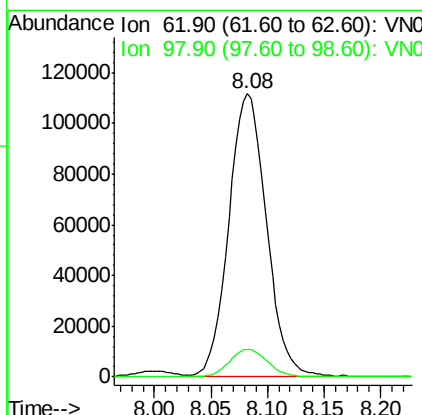
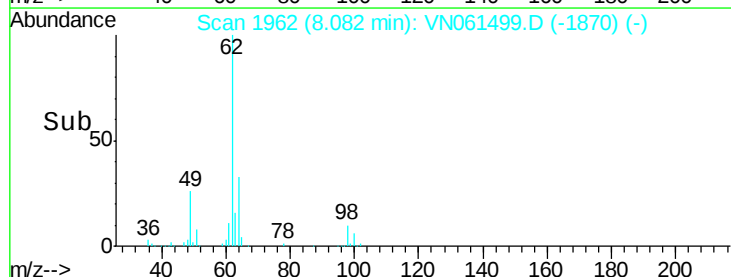
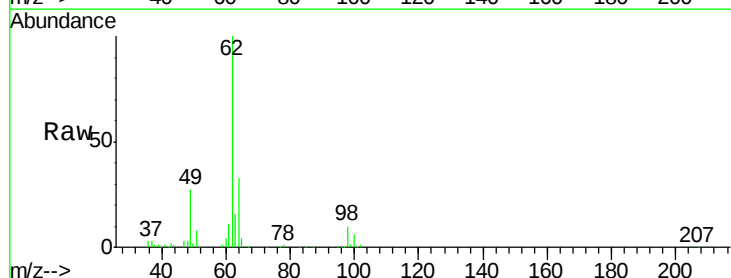
Manual Integrations
APPROVED

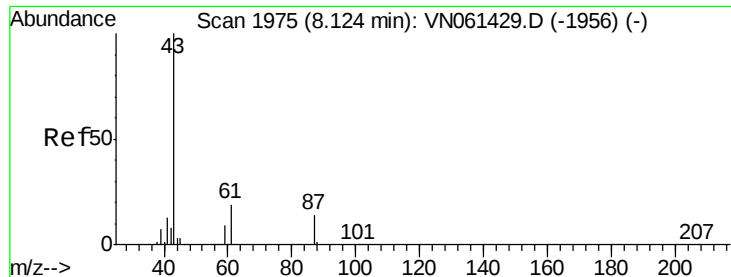
MMDadoda
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#42
1,2-Dichloroethane
Concen: 45.623 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	18.4





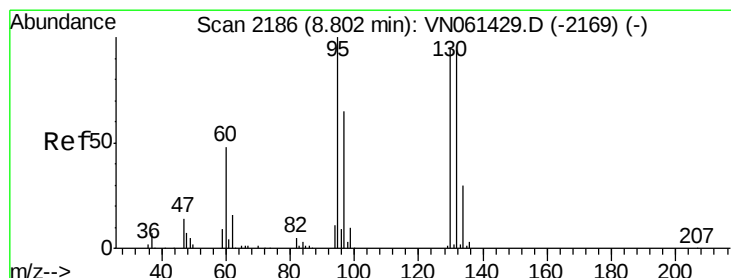
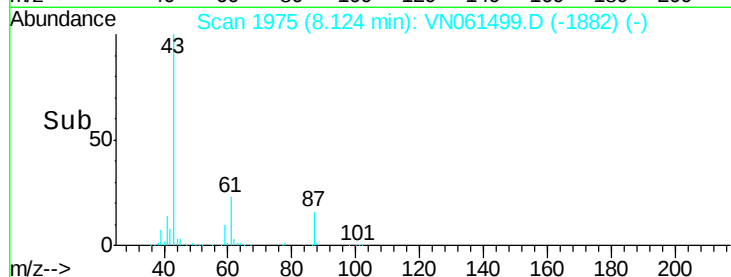
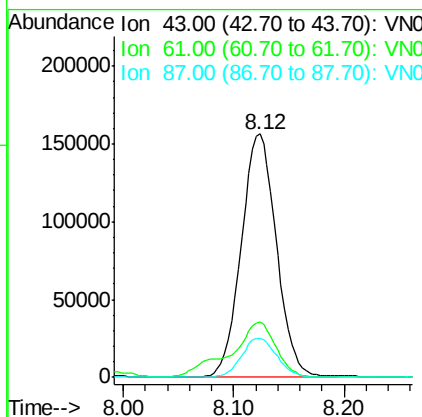
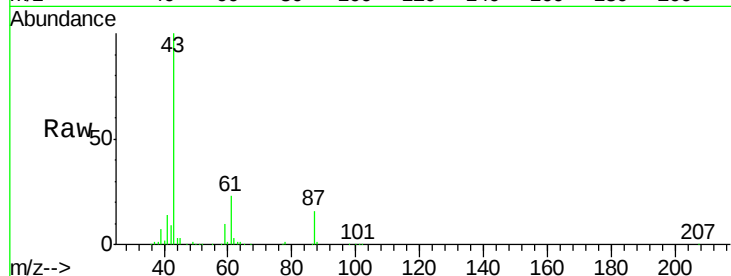
#43
Isopropyl Acetate
Concen: 41.964 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.0	34.4
87	16.2	11.6	17.4

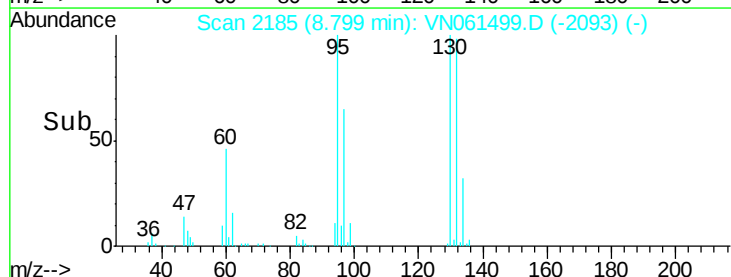
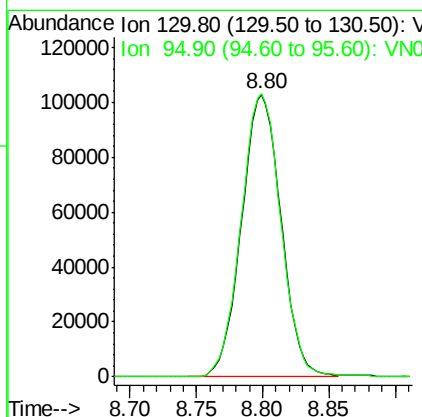
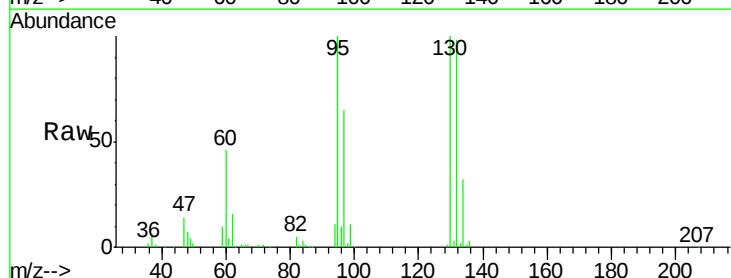
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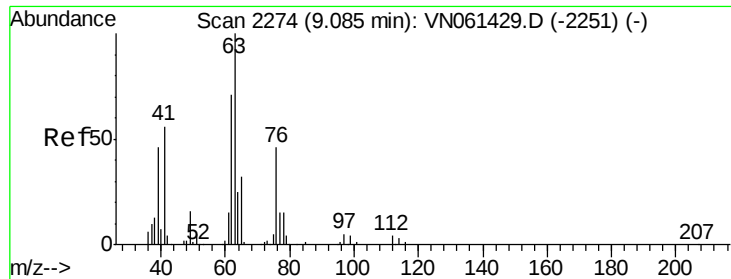
MMDadoda
5/21/2020 1:16:12 PM



#44
Trichloroethene
Concen: 51.919 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.2	0.0	209.8





#45

1,2-Dichloropropane

Concen: 46.837 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 183363

Ion Ratio Lower Upper

63 100

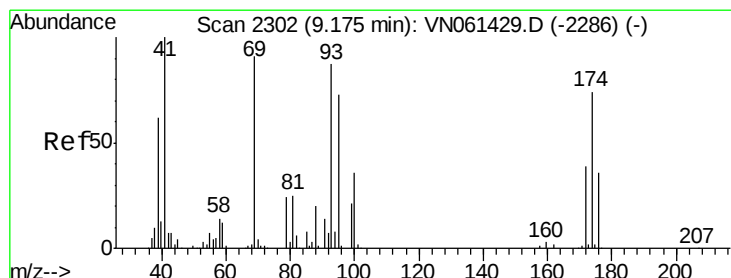
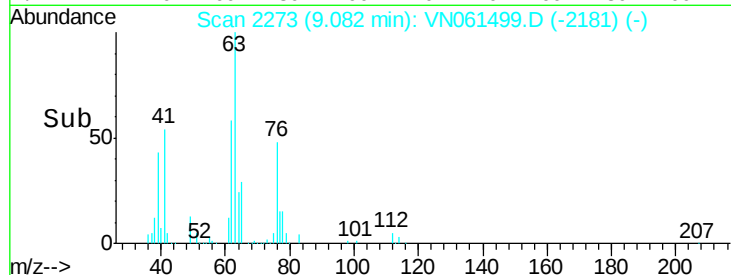
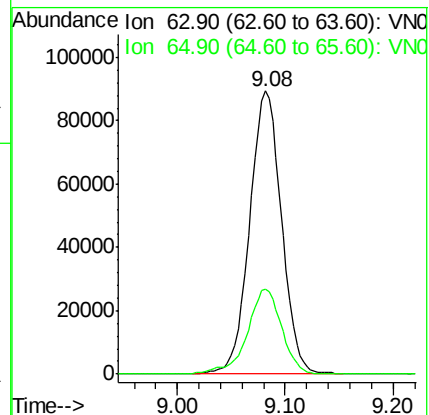
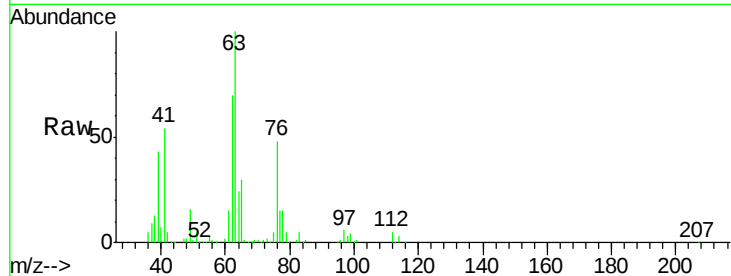
65 30.2 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 47.682 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

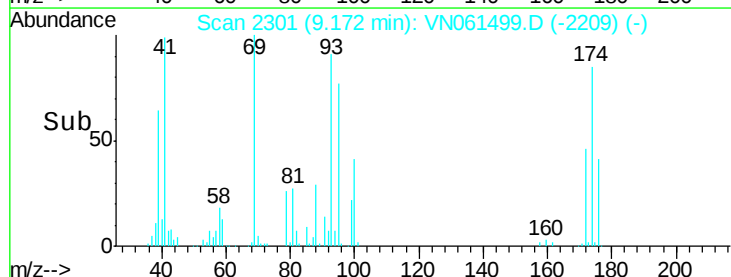
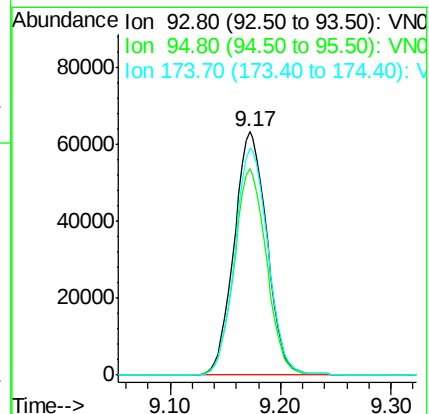
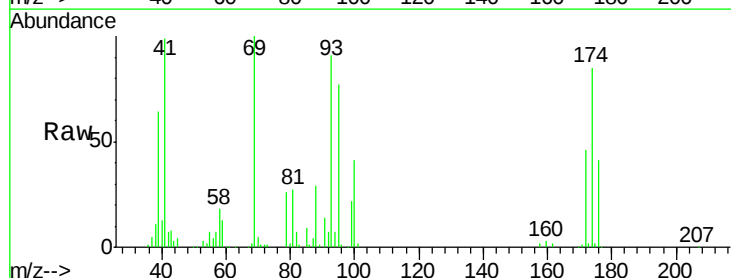
Tgt Ion: 93 Resp: 130863

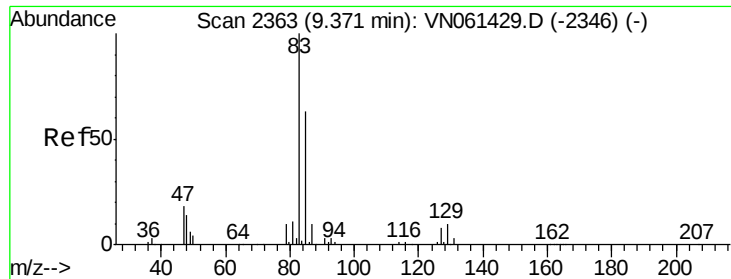
Ion Ratio Lower Upper

93 100

95 83.5 65.6 98.4

174 93.9 68.0 102.0





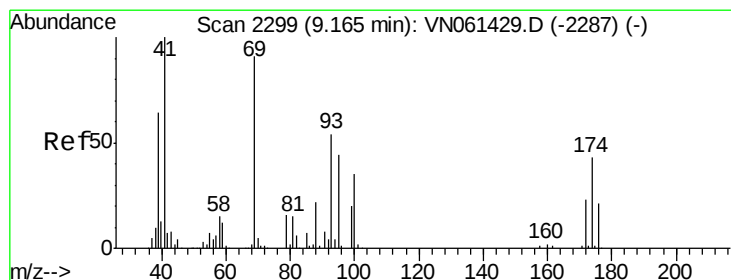
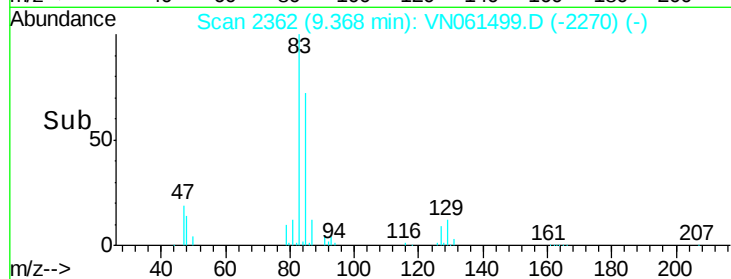
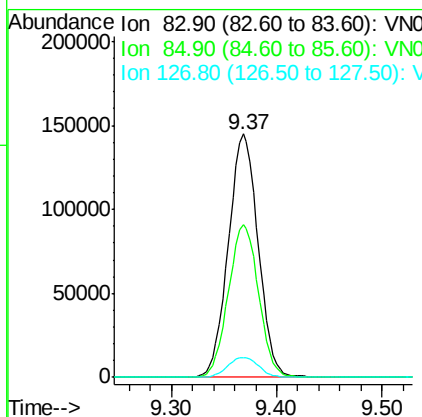
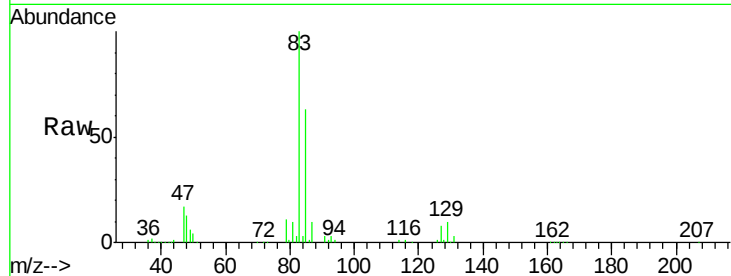
#47
Bromodichloromethane
Concen: 48.967 ug/l
RT: 9.37 min Scan# 2362
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	283154
Ion Ratio	100	Lower	Upper
83	100		
85	62.9	50.6	76.0
127	8.1	6.1	9.1

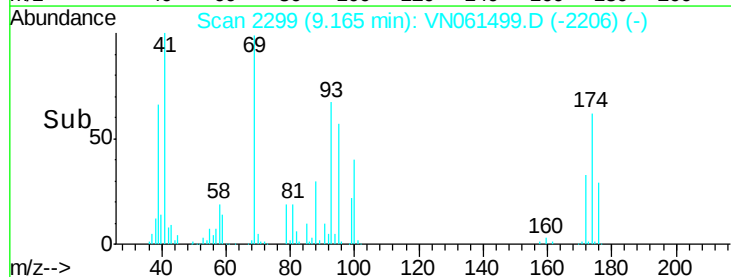
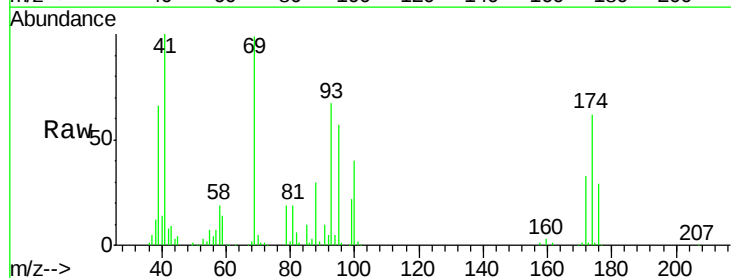
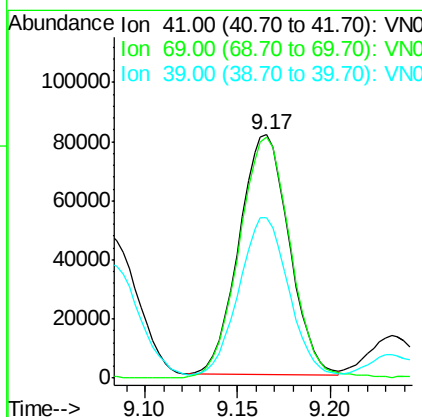
Manual Integrations
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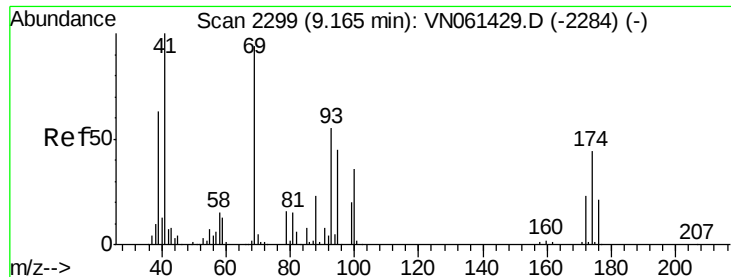
MMDadoda
5/21/2020 1:16:12 PM



#48
Methyl methacrylate
Concen: 40.081 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	41	Resp	152002
Ion Ratio	100	Lower	Upper
41	100		
69	103.2	75.3	112.9
39	67.4	52.6	79.0





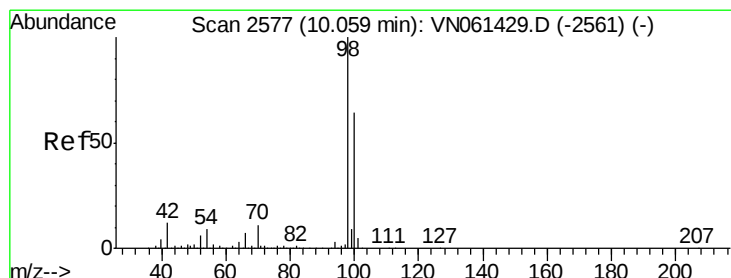
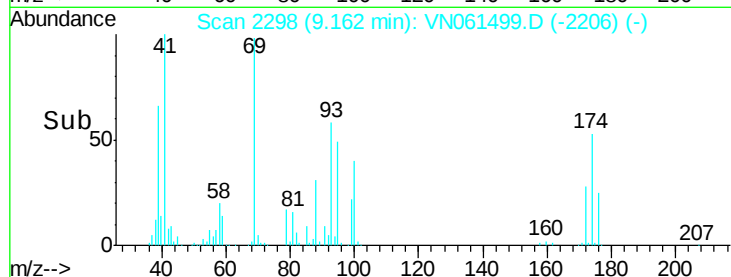
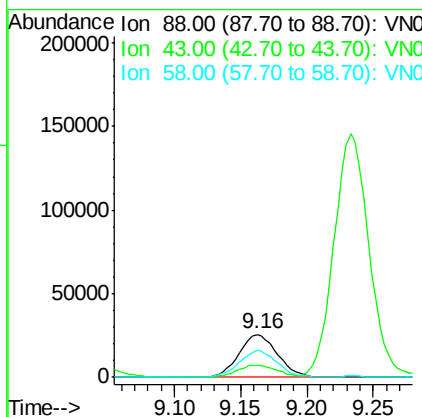
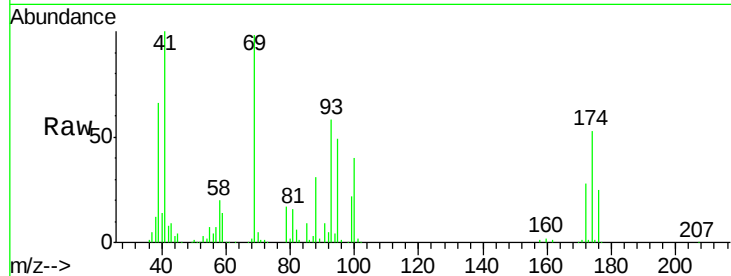
#49
1,4-Dioxane
Concen: 1313.513 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	26.3	39.5
58	62.1	54.1	81.1

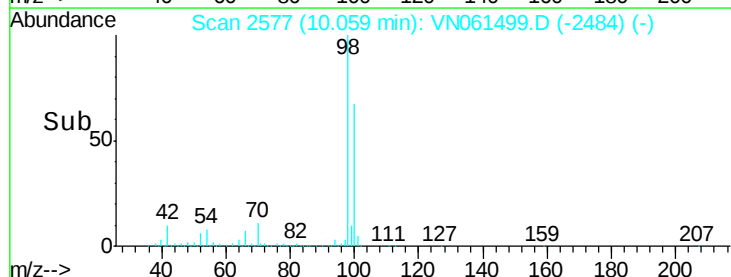
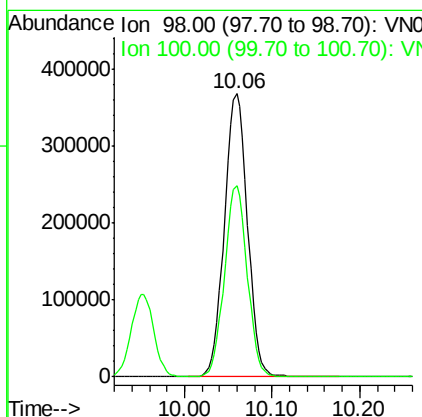
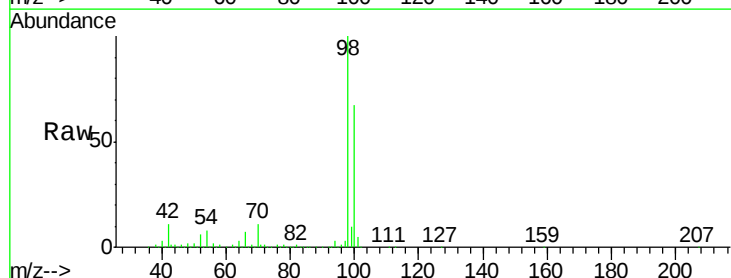
Manual Integrations
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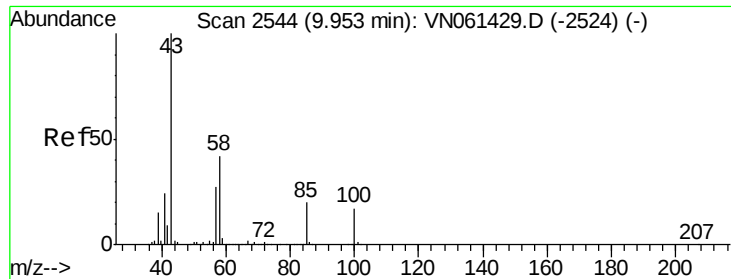
MMDadoda
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#50
Toluene-d8
Concen: 50.012 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 217.599 ug/l

RT: 9.95 min Scan# 2543

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 973117

Ion Ratio Lower Upper

43 100

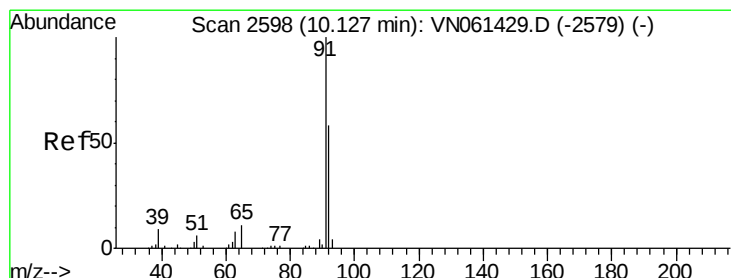
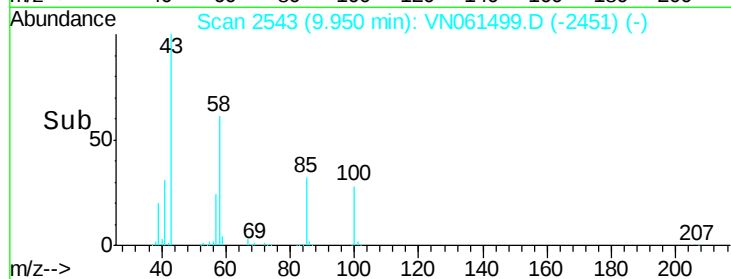
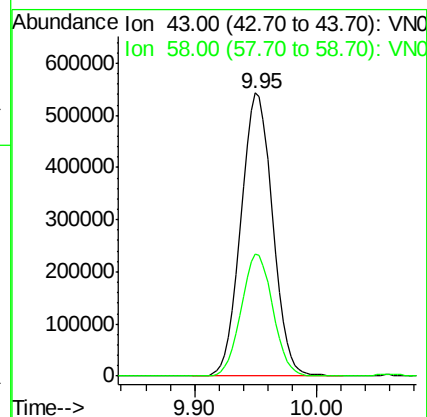
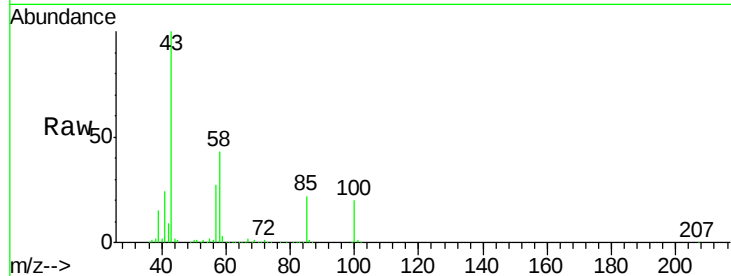
58 43.2 33.4 50.2

Manual Integrations

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#52

Toluene

Concen: 50.790 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061499.D

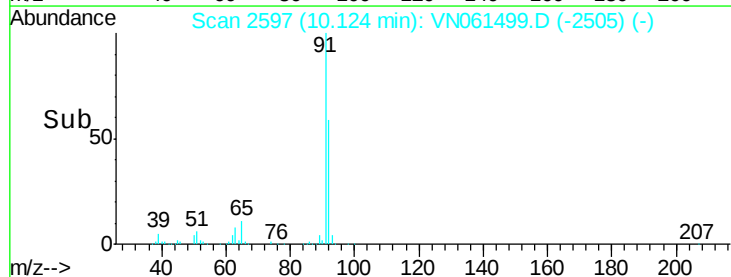
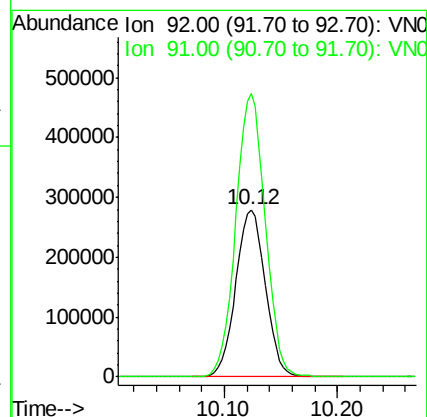
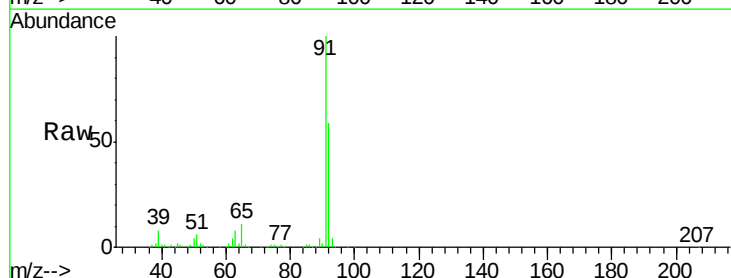
Acq: 20 May 2020 14:17

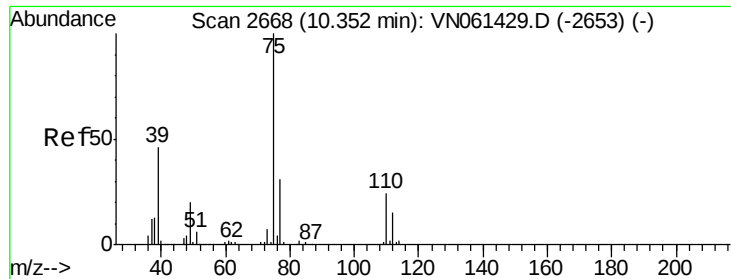
Tgt Ion: 92 Resp: 510011

Ion Ratio Lower Upper

92 100

91 168.6 138.0 207.0





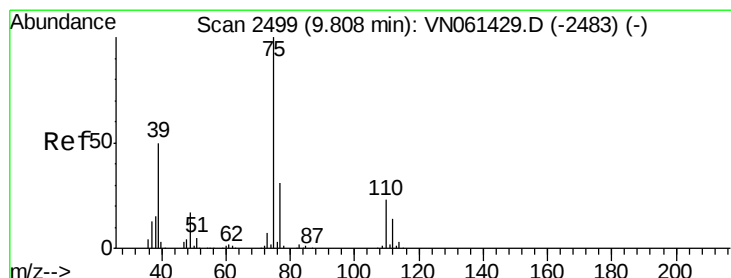
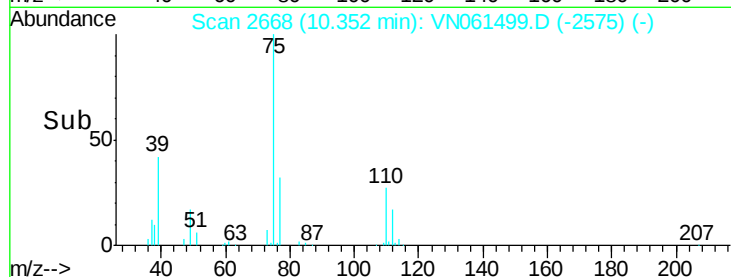
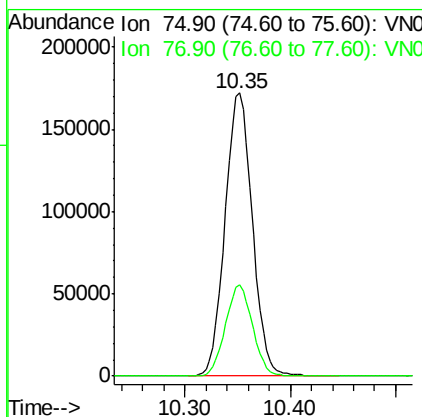
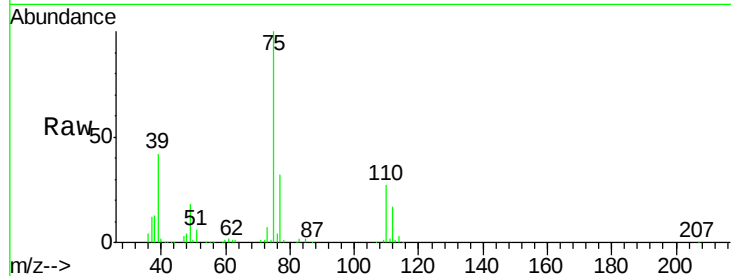
#53
t-1,3-Dichloropropene
Concen: 48.707 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	24.8	37.2

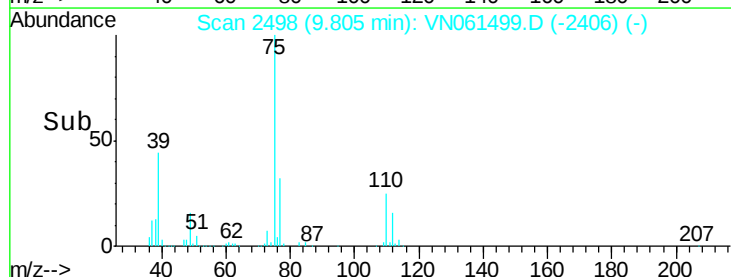
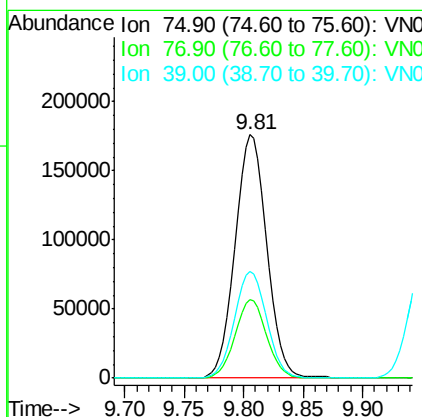
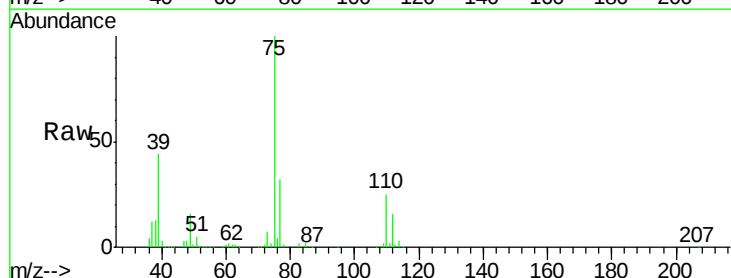
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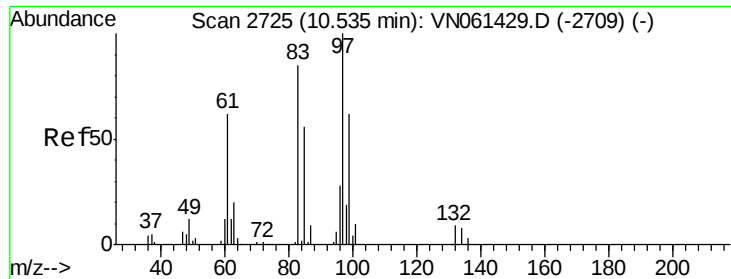
MMDadoda
5/21/2020 1:16:12 PM



#54
cis-1,3-Dichloropropene
Concen: 48.303 ug/l
RT: 9.81 min Scan# 2498
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.8	37.2
39	43.9	39.8	59.6





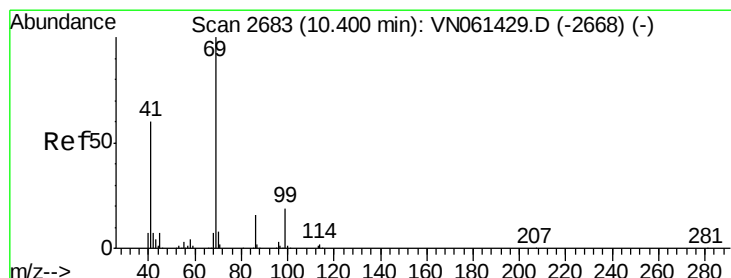
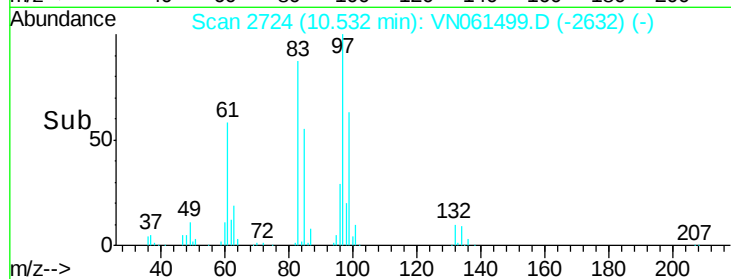
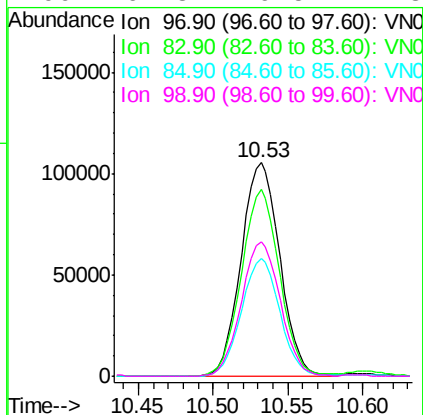
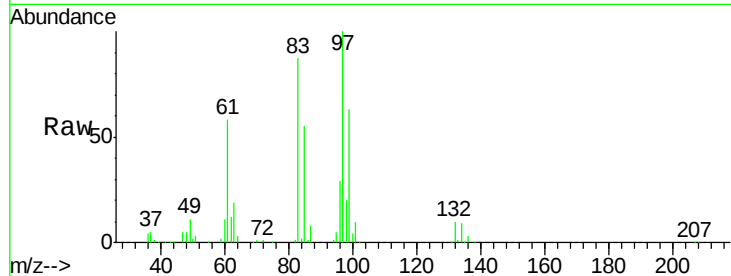
#55
 1,1,2-Trichloroethane
 Concen: 50.238 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	190724
Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.2	102.4
85	55.1	44.6	67.0
99	62.8	49.5	74.3

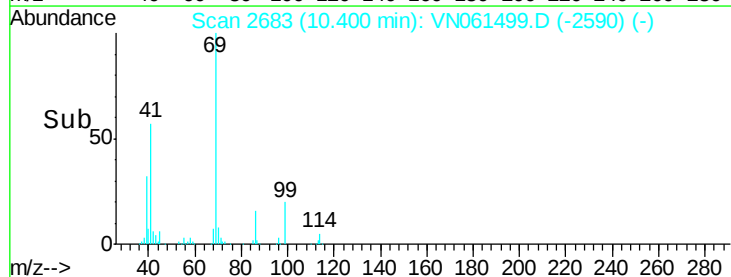
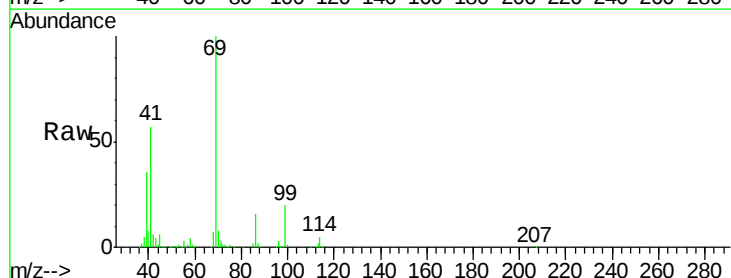
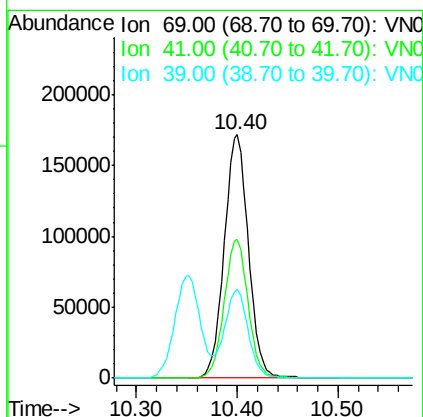
Manual Integrations
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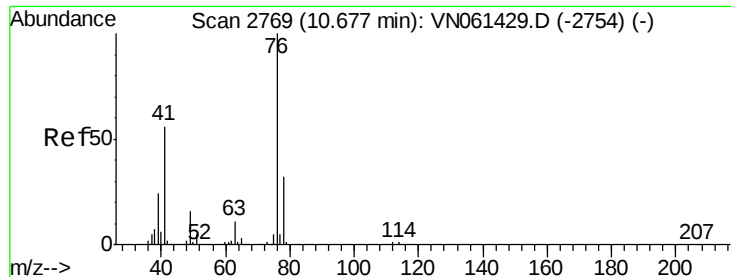
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#56
 Ethyl methacrylate
 Concen: 48.507 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion:	69	Resp:	287902
Ion	Ratio	Lower	Upper
69	100		
41	55.9	48.3	72.5
39	35.9	30.2	45.2





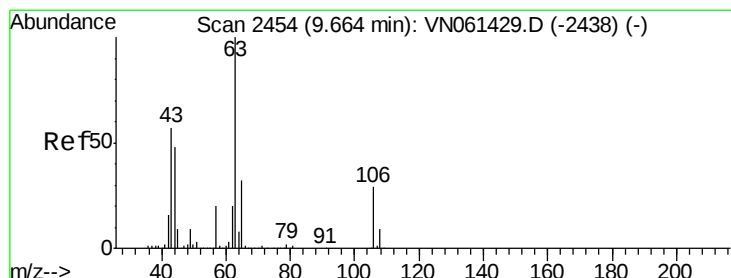
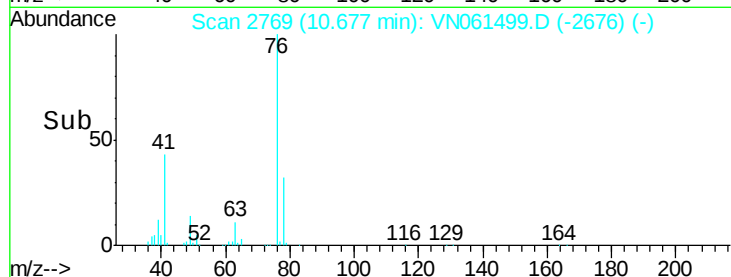
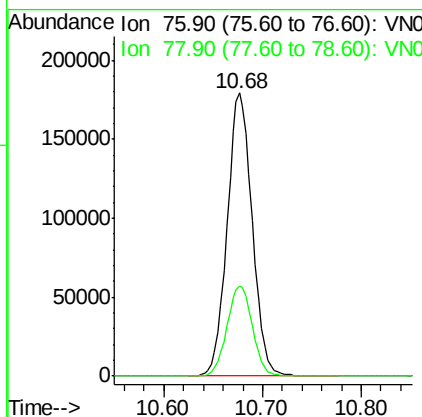
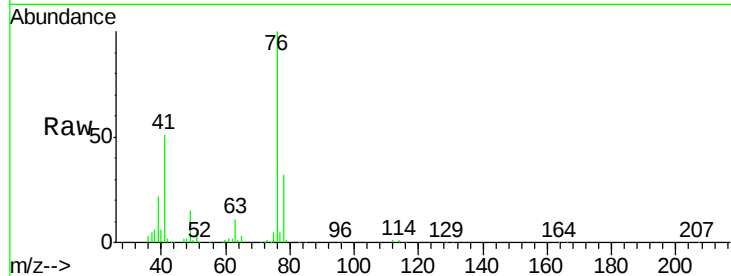
#57
 1,3-Dichloropropane
 Concen: 48.453 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.0	39.0

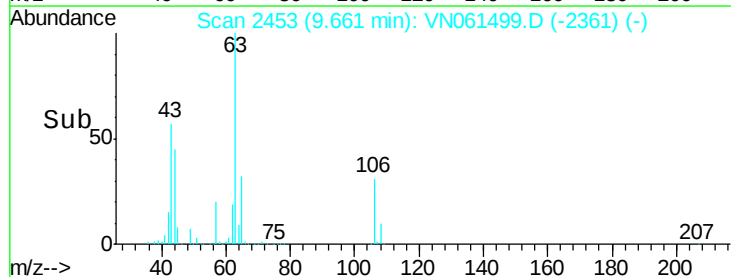
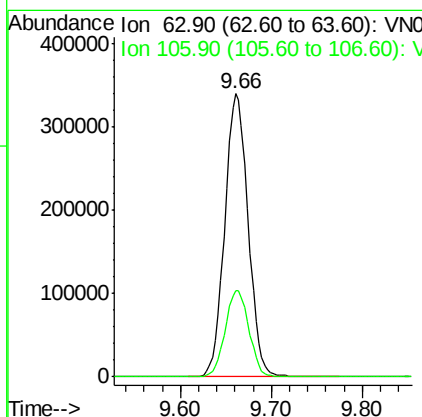
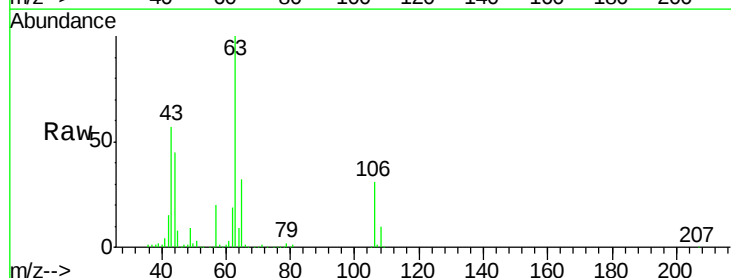
Manual Integrations
 APPROVED

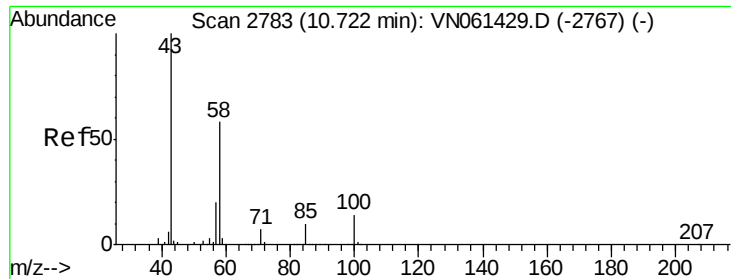
MMDadoda
 5/21/2020 1:16:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.062 ug/l
 RT: 9.66 min Scan# 2453
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.0	22.7	34.1





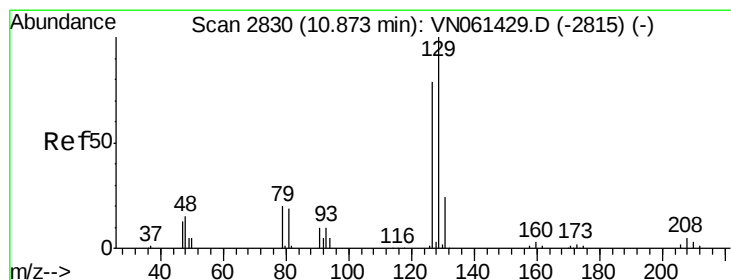
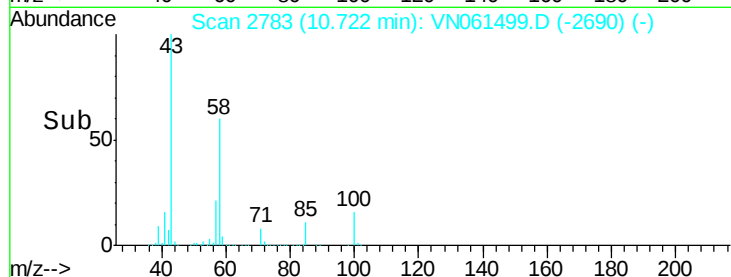
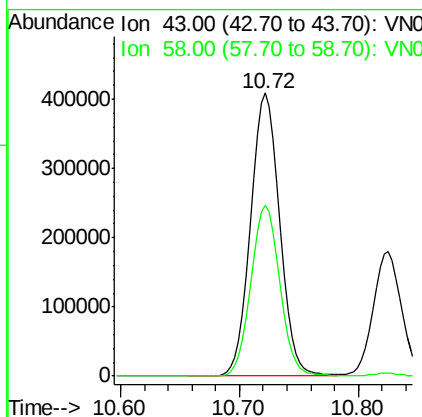
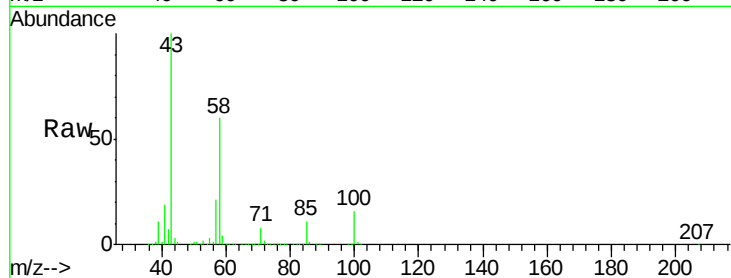
#59
2-Hexanone
Concen: 214.674 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	694576
Ion Ratio	100	Lower	Upper
43	100		
58	60.1	29.2	87.6

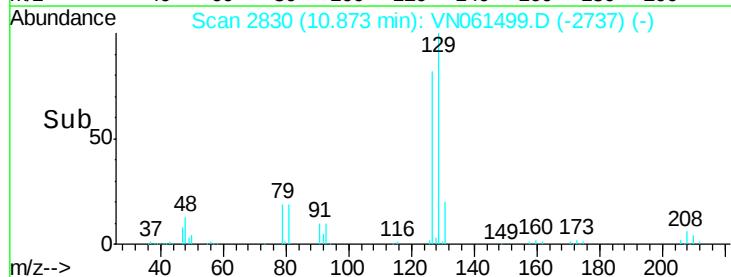
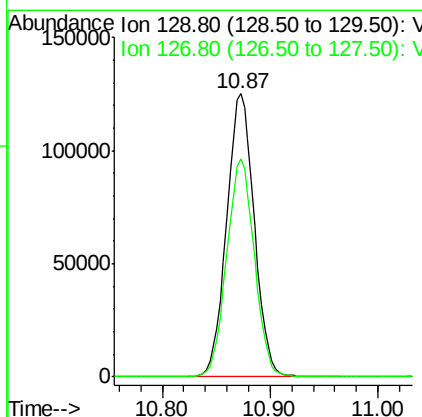
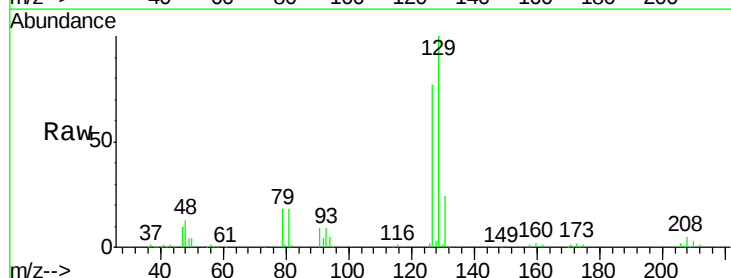
Manual Integrations
APPROVED

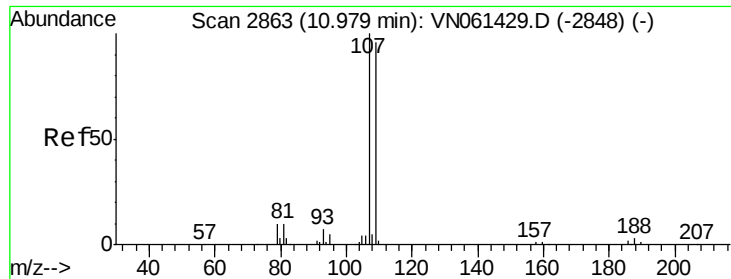
MMDadoda
5/21/2020 1:16:12 PM



#60
Dibromochloromethane
Concen: 53.282 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	129	Resp	223752
Ion Ratio	100	Lower	Upper
129	100		
127	77.1	38.8	116.3





#61

1,2-Dibromoethane

Concen: 50.835 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 202917

Ion Ratio Lower Upper

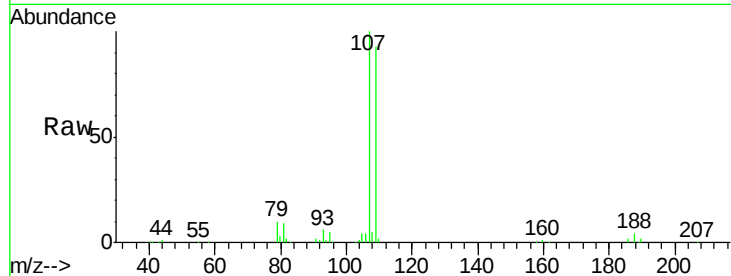
107 100

109 93.9 75.7 113.5

Manual Integrations
APPROVED

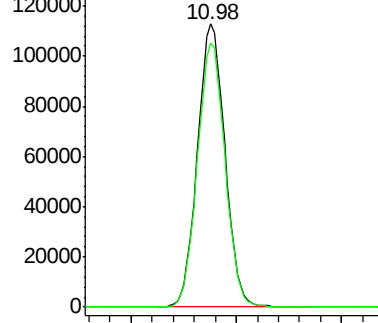
MMDadoda

5/21/2020 1:16:12 PM

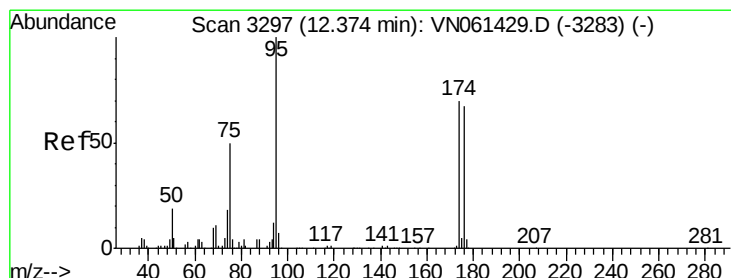
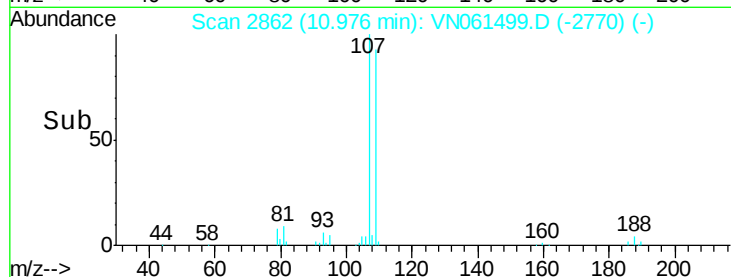


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 51.046 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

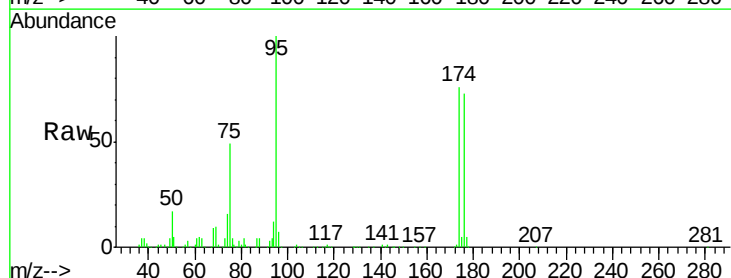
Tgt Ion: 95 Resp: 257215

Ion Ratio Lower Upper

95 100

174 76.8 0.0 141.2

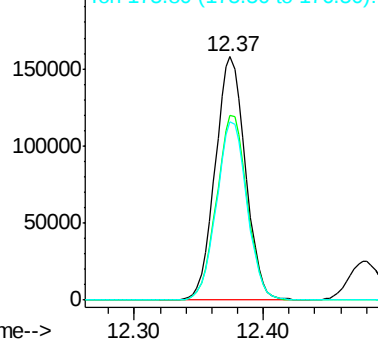
176 74.3 0.0 137.6



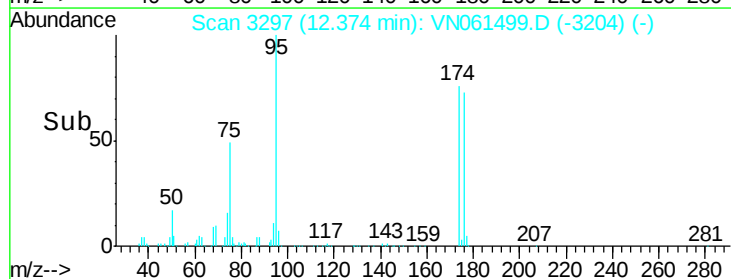
Abundance Ion 94.90 (94.60 to 95.60): V

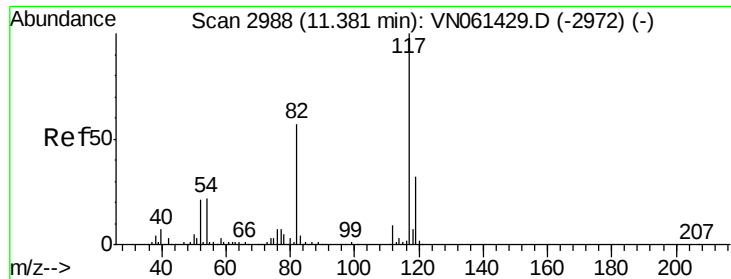
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





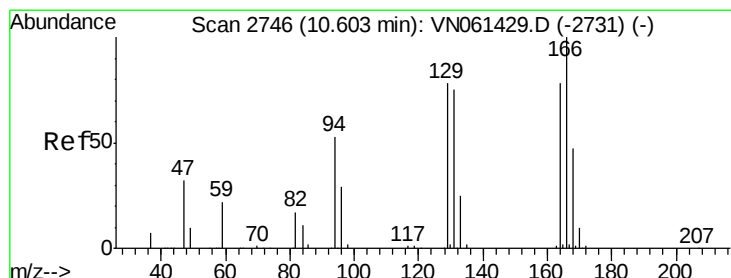
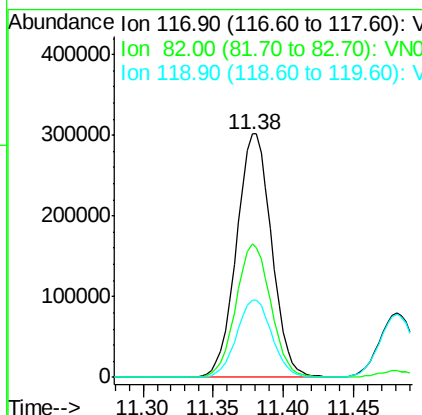
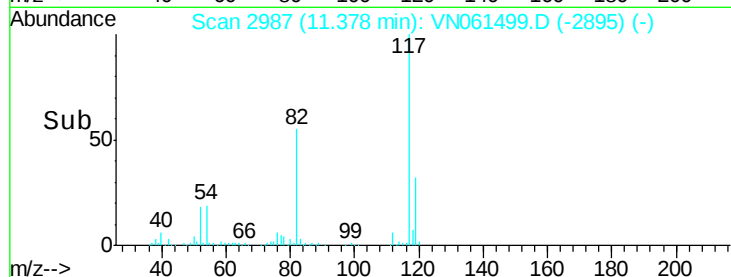
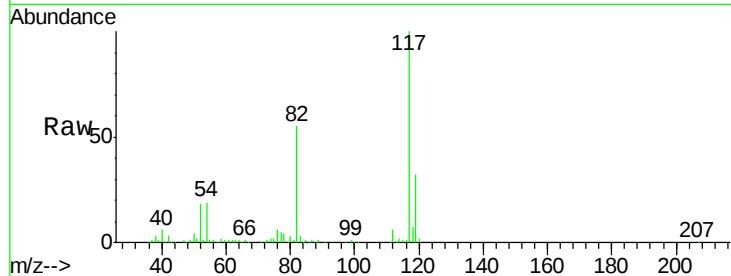
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	527322		
82	54.7		45.2	67.8
119	31.8		25.3	37.9

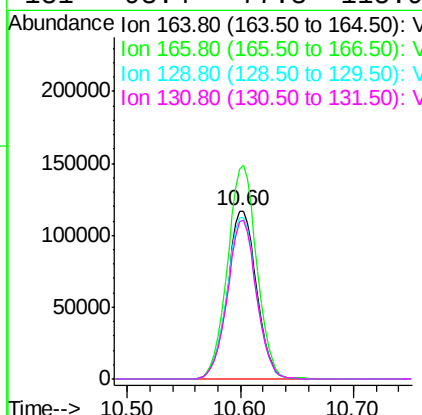
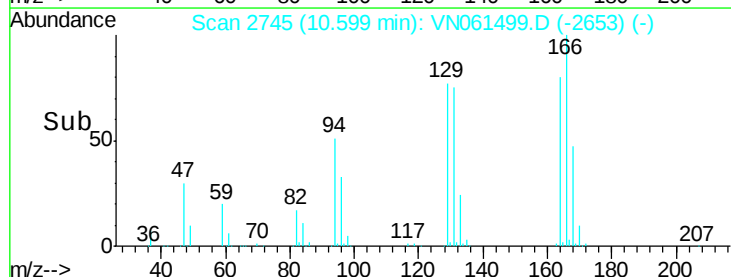
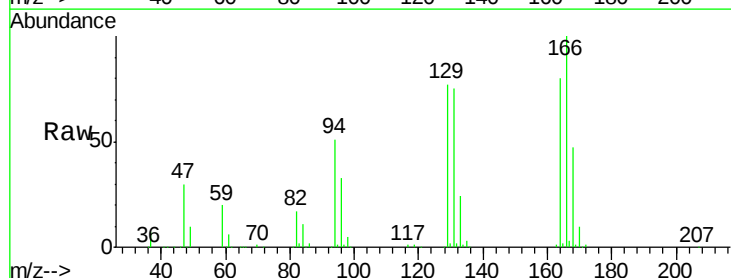
Manual Integrations
APPROVED

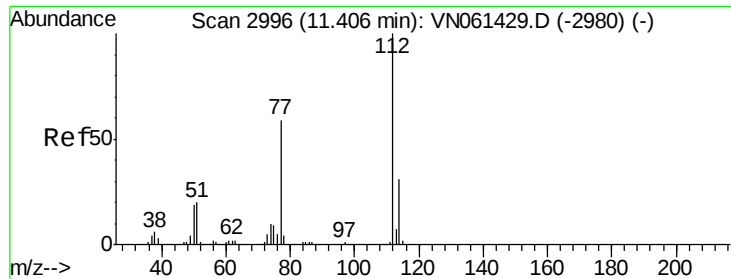
MMDadoda
5/21/2020 1:16:12 PM



#64
Tetrachloroethene
Concen: 51.544 ug/l
RT: 10.60 min Scan# 2745
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	210279		
166	124.8		103.2	154.8
129	95.9		81.0	121.4
131	93.4		77.3	115.9





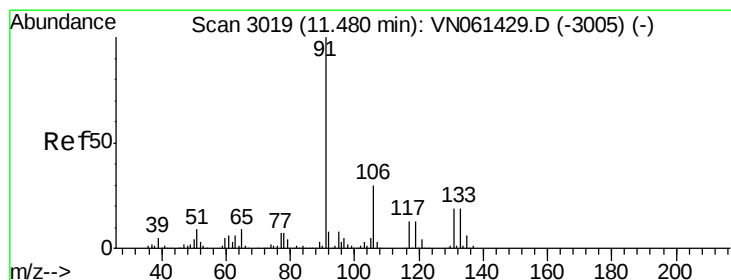
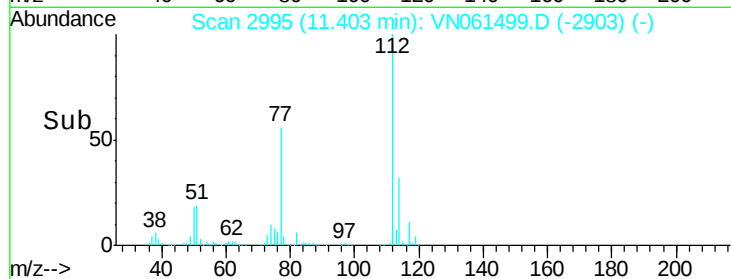
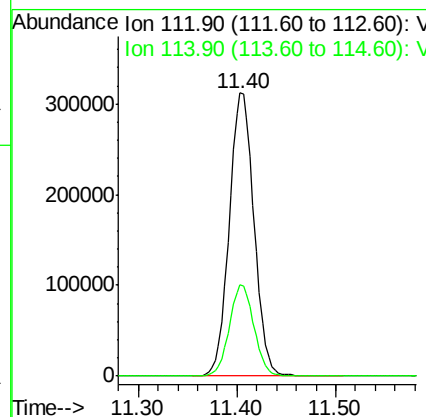
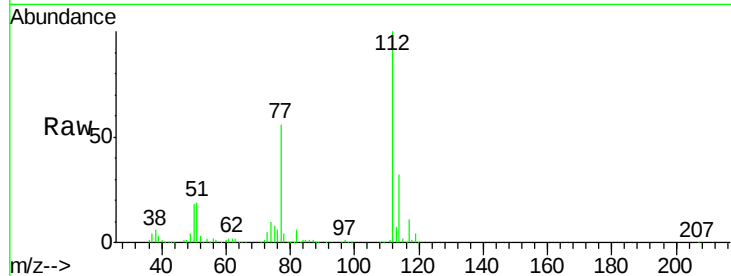
#65
Chlorobenzene
Concen: 50.786 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	546115		
114	32.1	25.0	37.6	

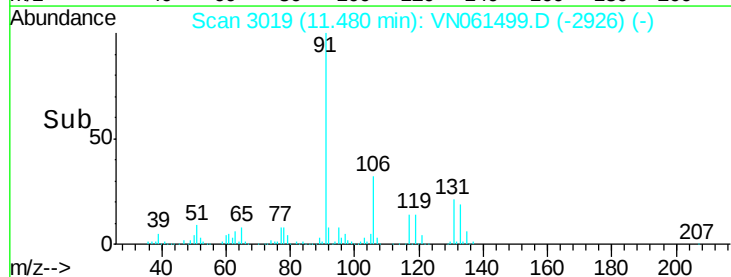
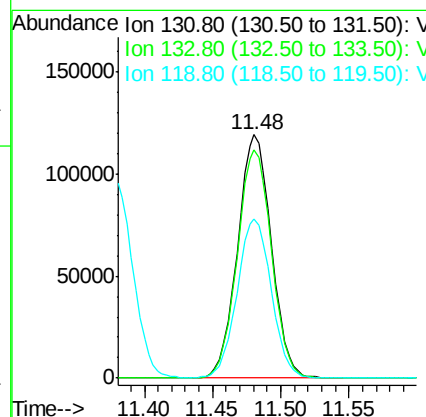
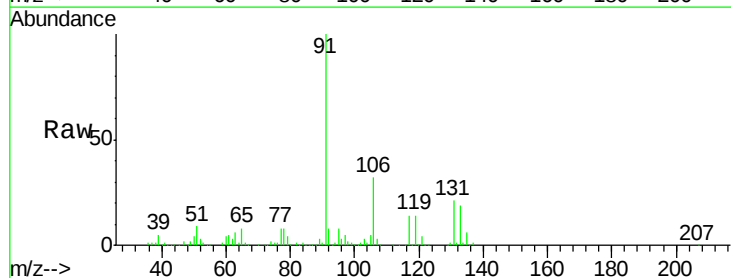
Manual Integrations
APPROVED

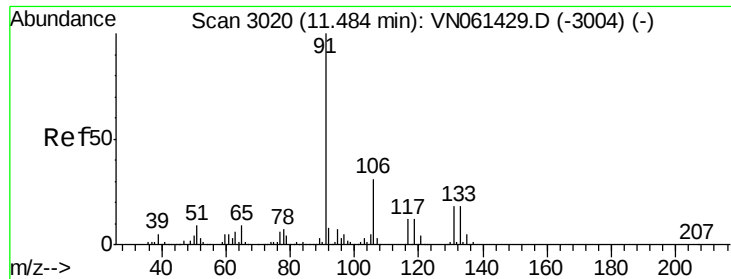
MMDadoda
5/21/2020 1:16:12 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.124 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	204799		
133	95.3	48.7	146.1	
119	66.3	33.8	101.3	





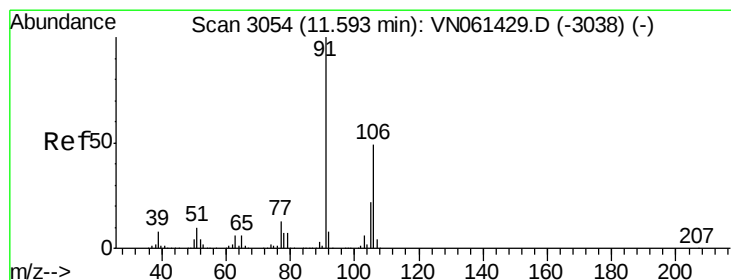
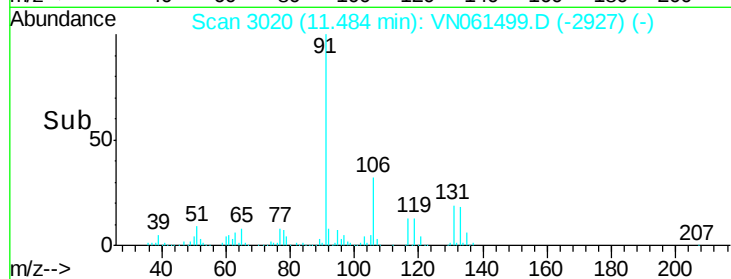
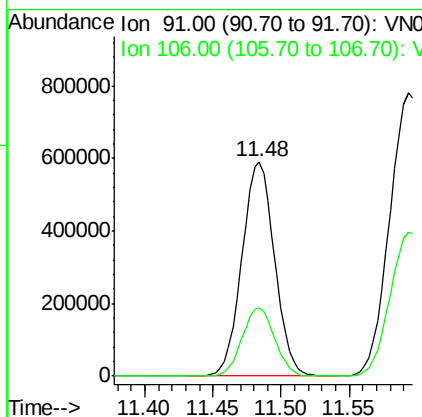
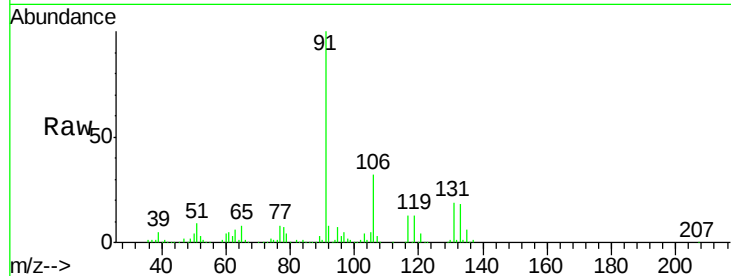
#67
Ethyl Benzene
Concen: 50.050 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 982434
Ion Ratio Lower Upper
91 100
106 32.0 24.6 36.8

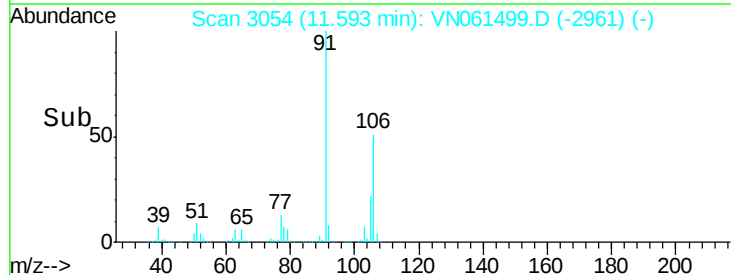
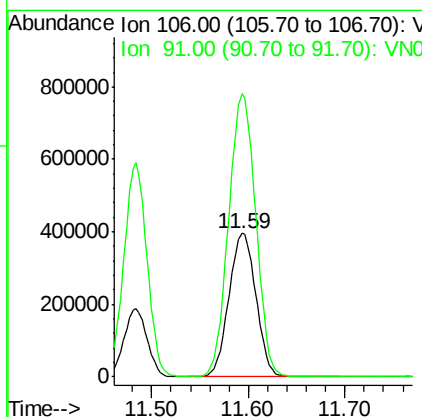
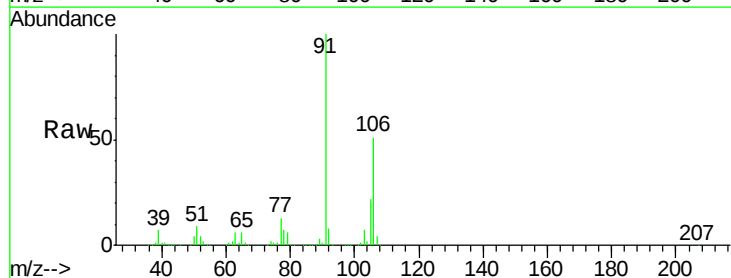
Manual Integrations
APPROVED

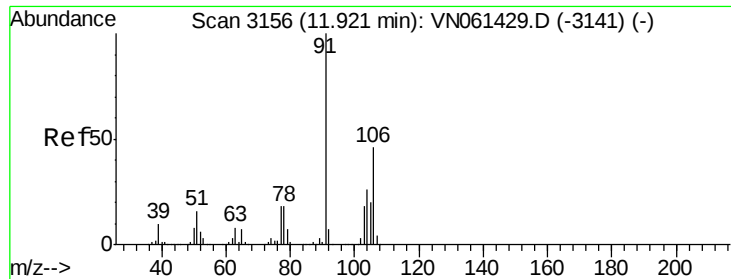
MMDadoda
5/21/2020 1:16:12 PM



#68
m/p-Xylenes
Concen: 102.960 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion: 106 Resp: 767116
Ion Ratio Lower Upper
106 100
91 198.4 163.0 244.6





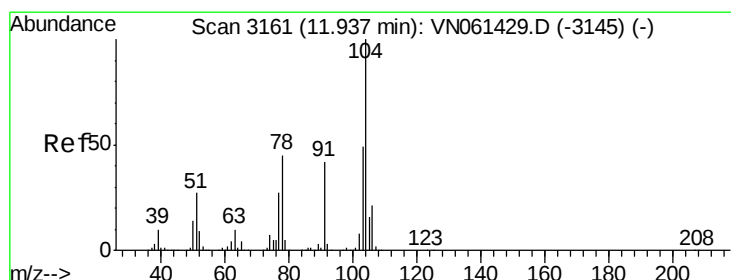
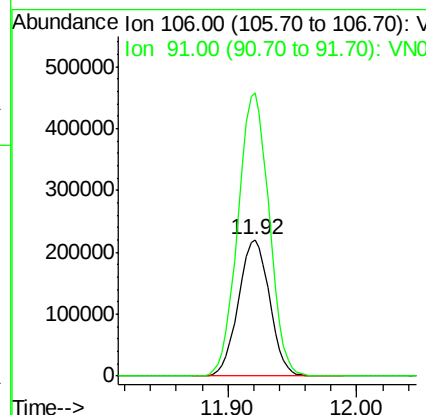
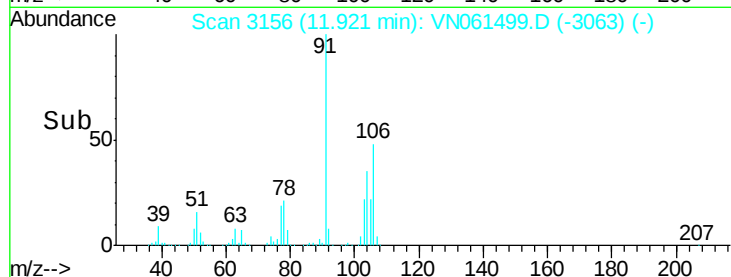
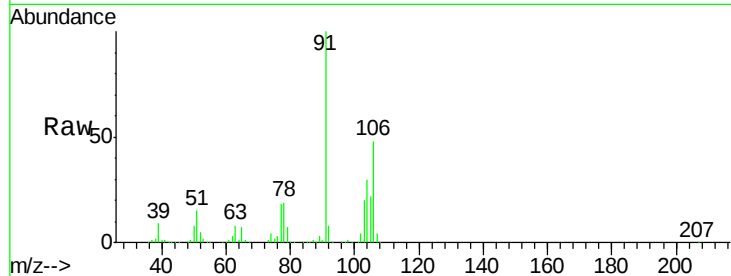
#69
o-Xylene
Concen: 51.470 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
371103	106	100			
	91	208.1	107.9	323.7	

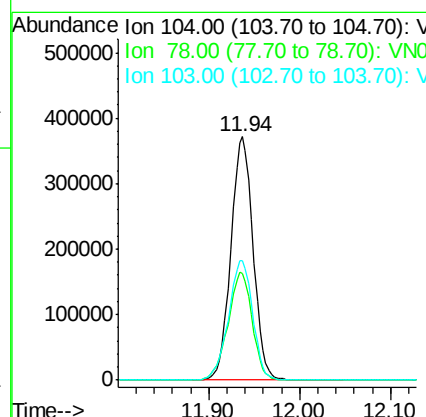
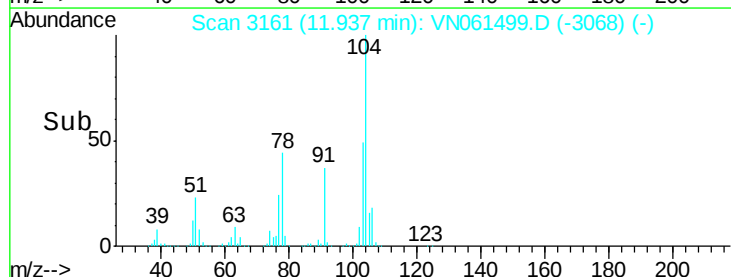
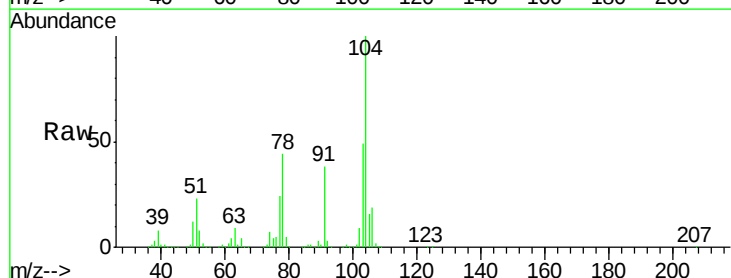
Manual Integrations
APPROVED

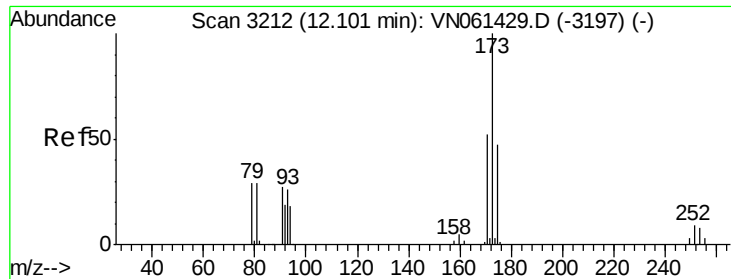
MMDadoda
5/21/2020 1:16:12 PM



#70
Styrene
Concen: 52.777 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
630136	104	100			
	78	48.5	40.7	61.1	
	103	53.8	43.0	64.4	





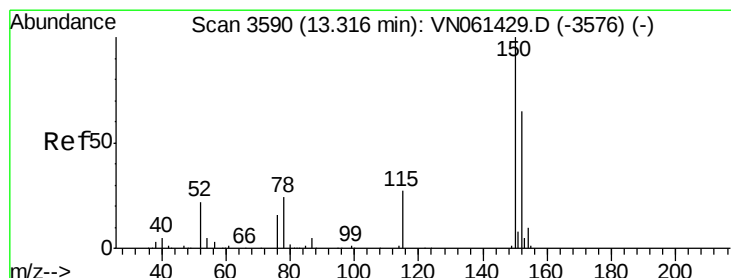
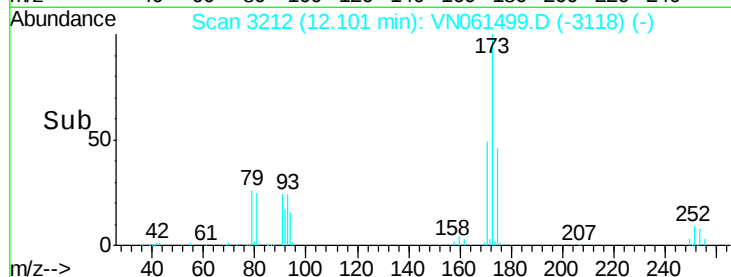
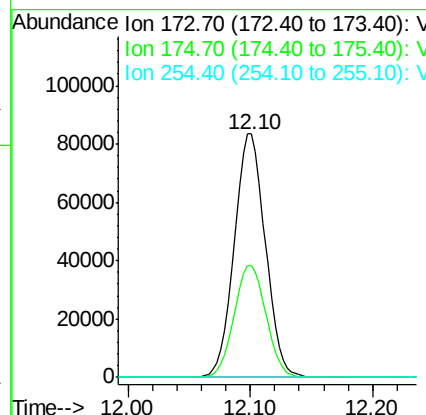
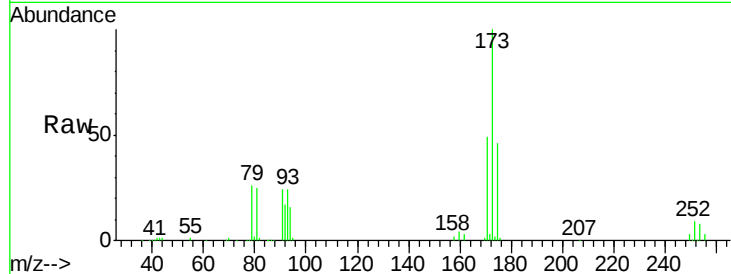
#71
Bromoform
Concen: 49.332 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.1	23.9	71.8
254	0.0	0.0	0.0

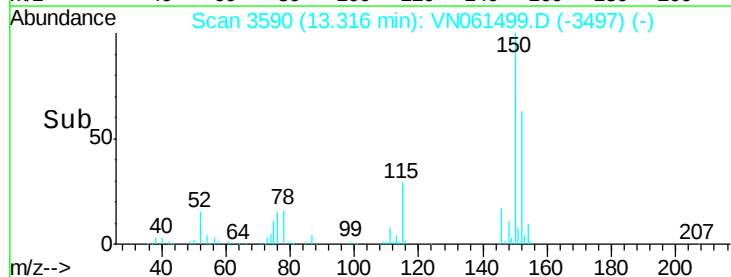
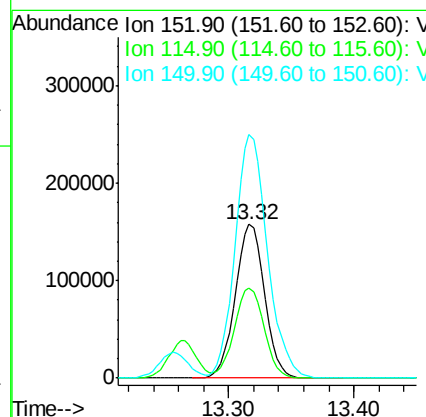
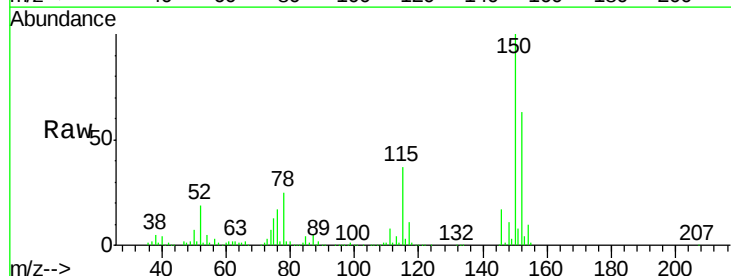
Manual Integrations
APPROVED

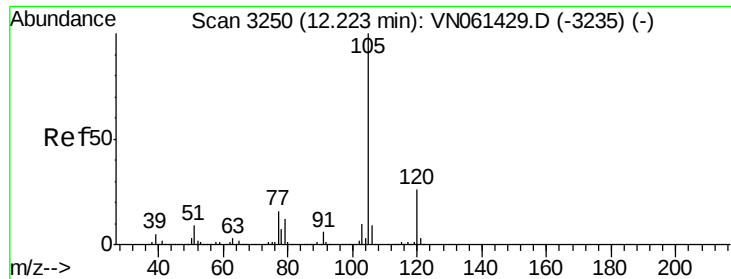
MMDadoda
5/21/2020 1:16:12 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.8	30.9	92.5
150	175.5	0.0	349.2





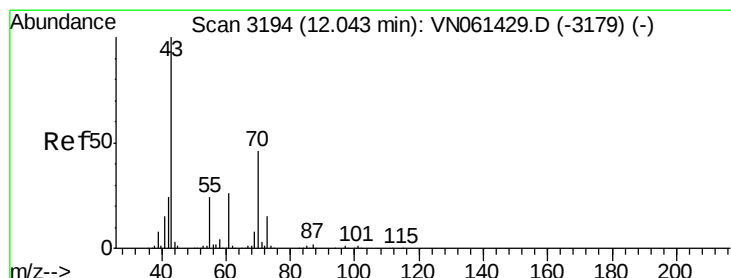
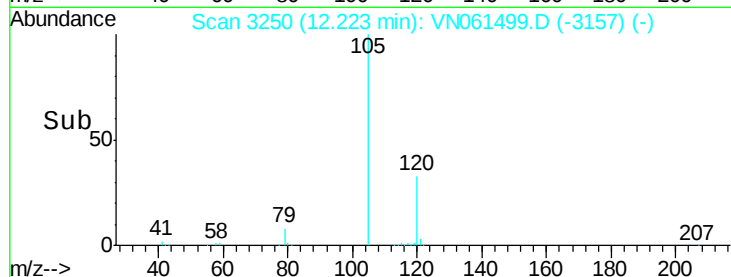
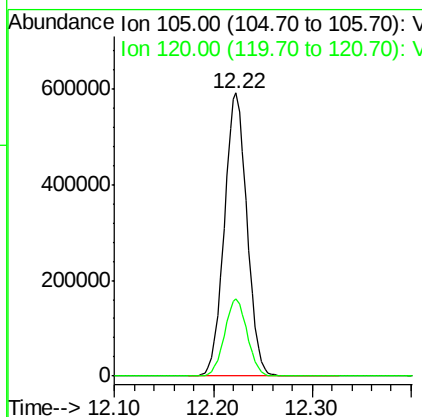
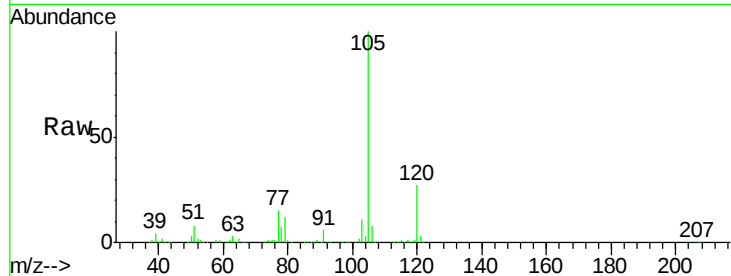
#73
Isopropylbenzene
Concen: 46.579 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.0	39.0

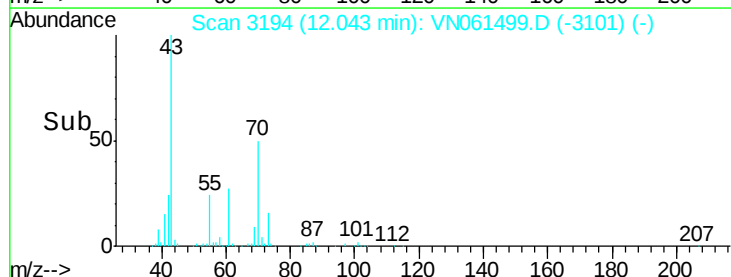
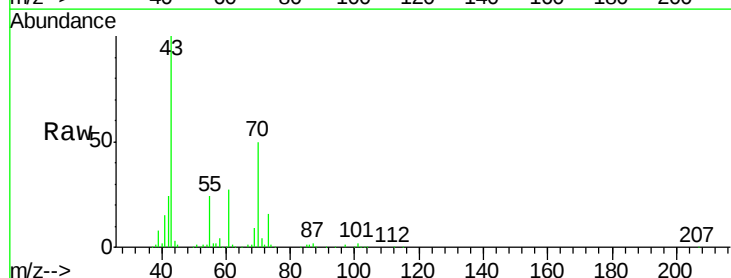
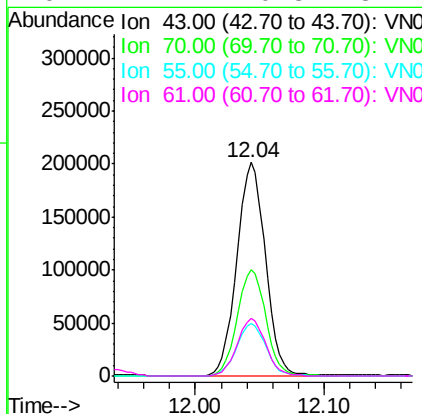
Manual Integrations
APPROVED

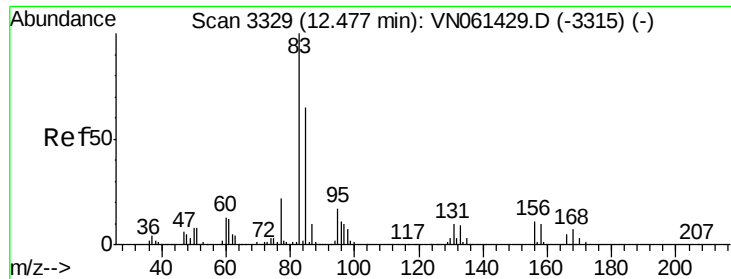
MMDadoda
5/21/2020 1:16:12 PM



#74
N-ethyl acetate
Concen: 41.517 ug/l
RT: 12.04 min Scan# 3194
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	49.8	37.0	55.4
55	25.2	19.5	29.3
61	27.1	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 44.844 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

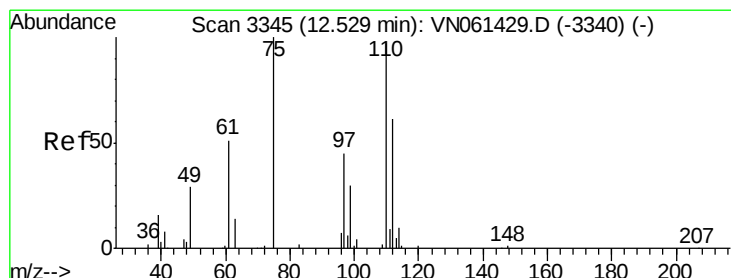
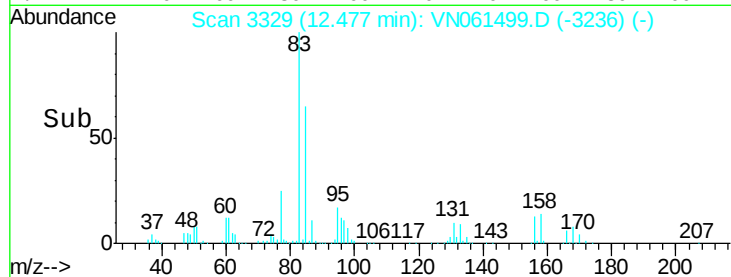
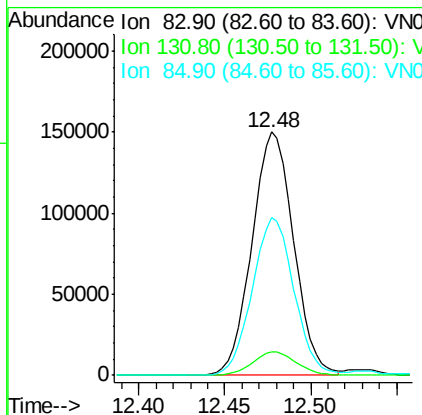
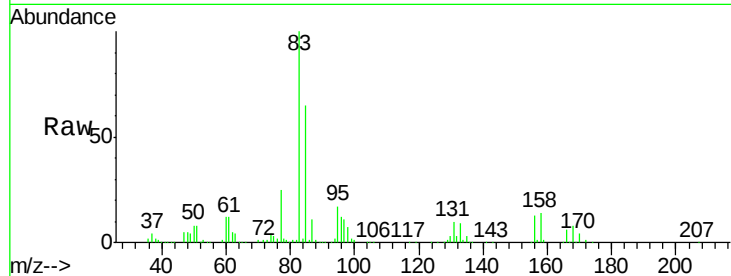
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	252651
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.8	14.4
85	64.8	32.1	96.5

Manual Integrations
APPROVED

MMDadoda
5/21/2020 1:16:12 PM



#76

1,2,3-Trichloropropane

Concen: 46.160 ug/l m

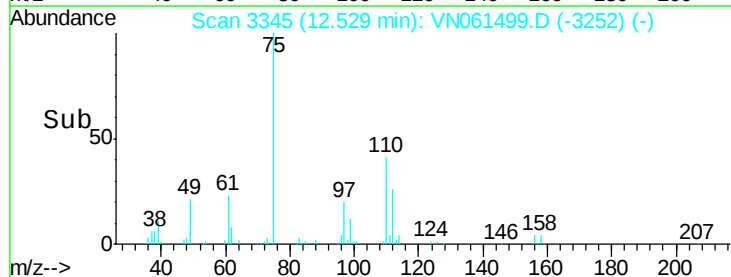
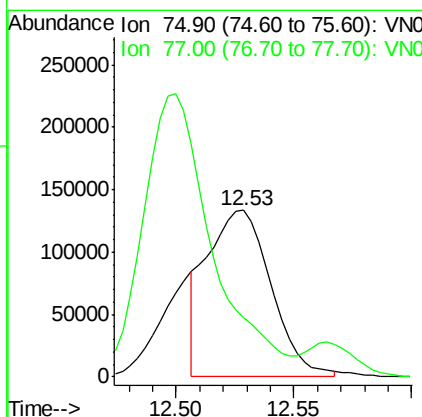
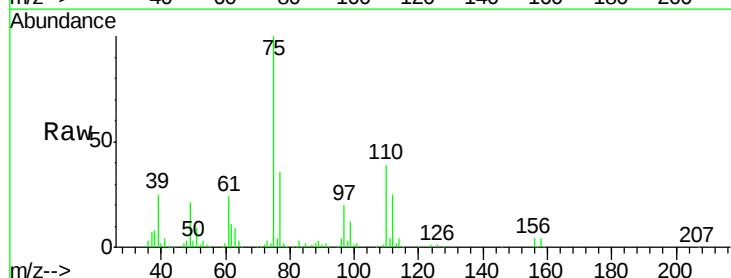
RT: 12.53 min Scan# 3345

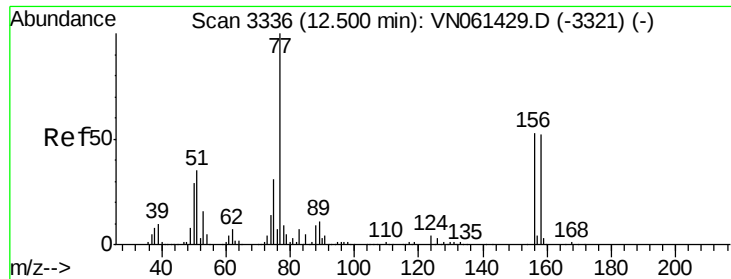
Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Tgt Ion:	75	Resp:	252653
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.650 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

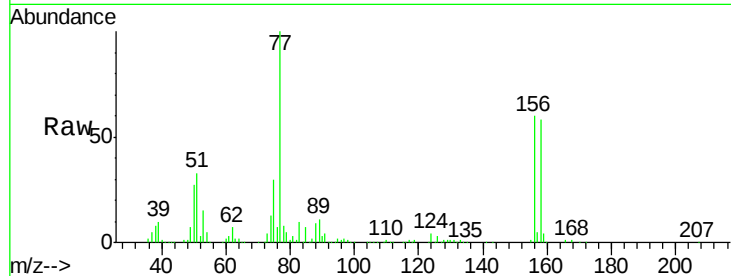
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	200.5	112.3	336.9
158	97.6	47.9	143.6

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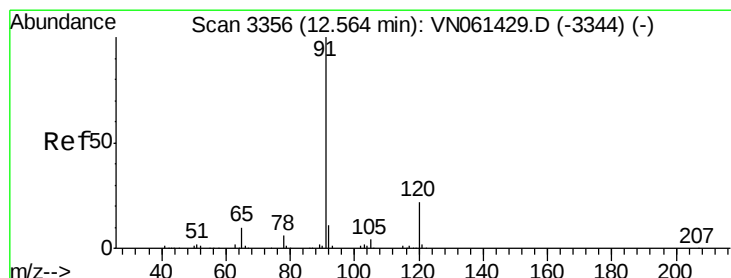
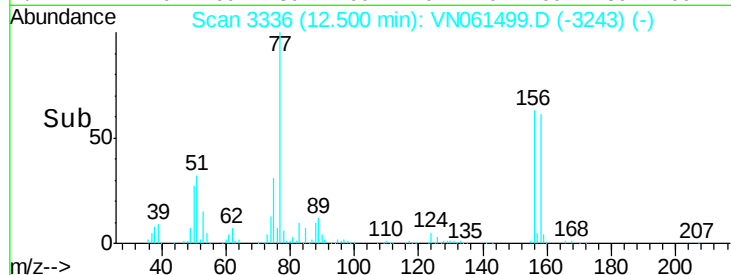
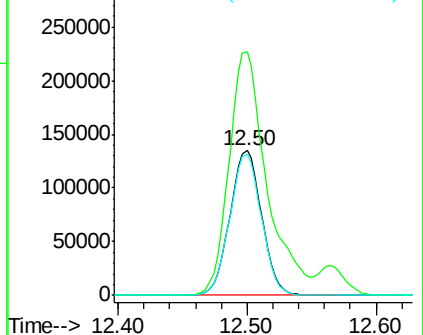


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.593 ug/l

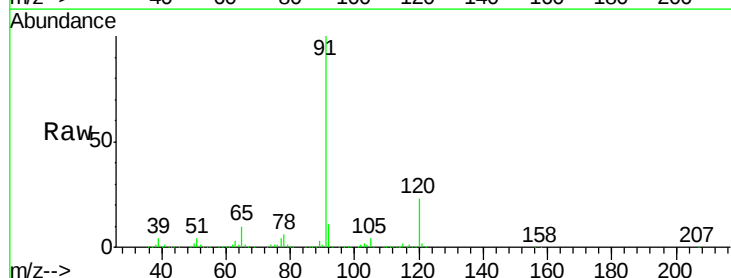
RT: 12.56 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

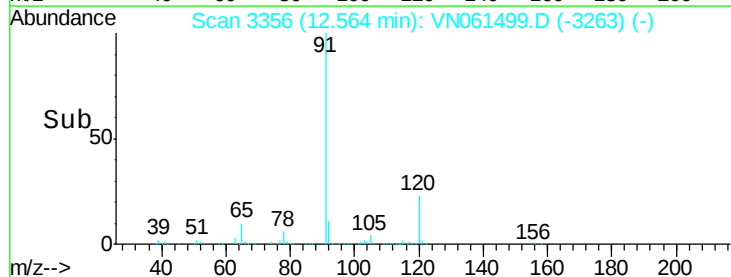
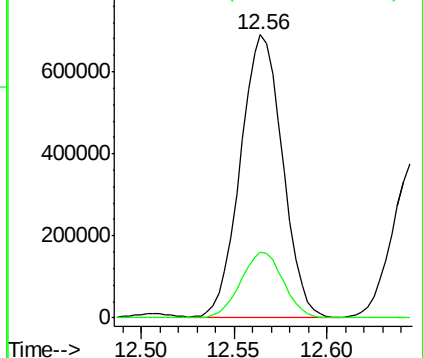
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.2	33.6



Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





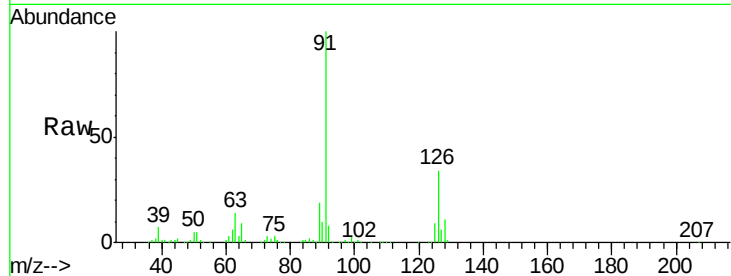
#79
 2-Chlorotoluene
 Concen: 47.010 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

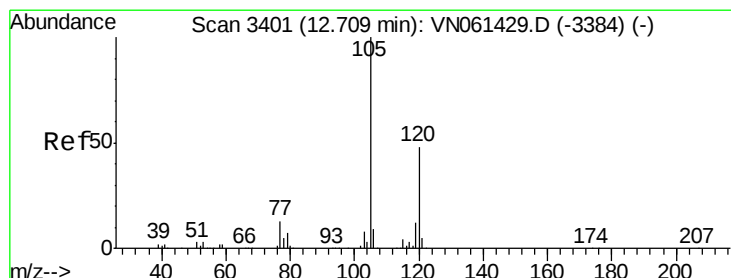
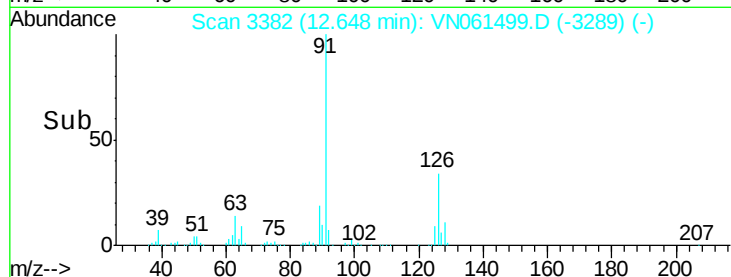
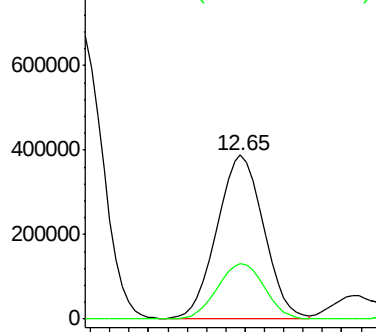
Tot Ion	Ratio	Lower	Upper
91	100		
126	34.5	16.3	48.9

Manual Integrations
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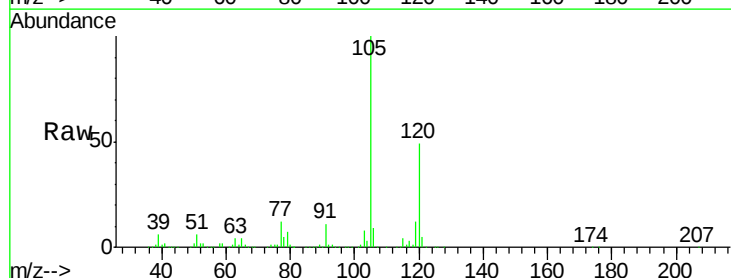


Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3370) (-)

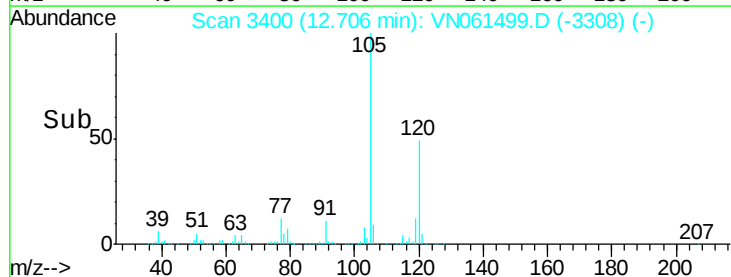
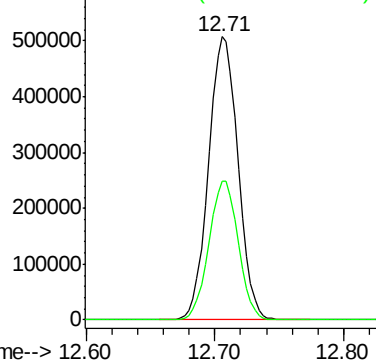


#80
 1,3,5-Trimethylbenzene
 Concen: 47.783 ug/l
 RT: 12.71 min Scan# 3400
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.1	72.4



Abundance Ion 105.00 (104.70 to 105.70): VN061429.D (-3384) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 42.843 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 88398

Ion Ratio Lower Upper

75 100

53 90.4 75.2 112.8

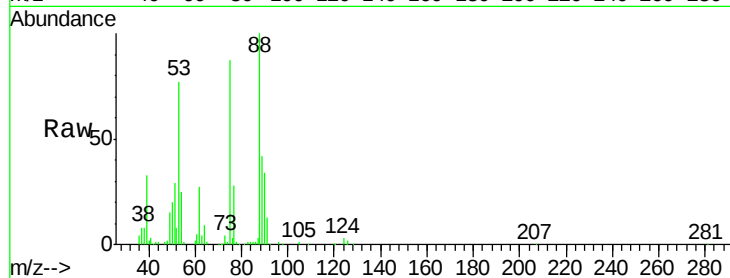
89 48.1 38.2 57.4

Manual Integrations

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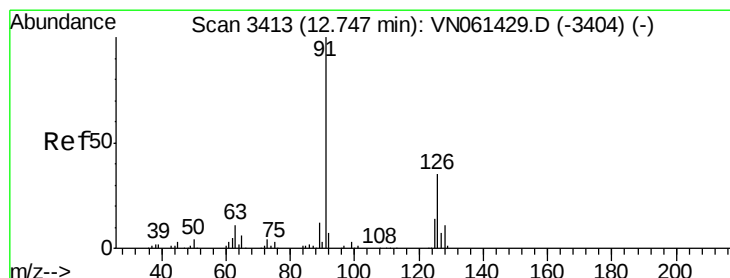
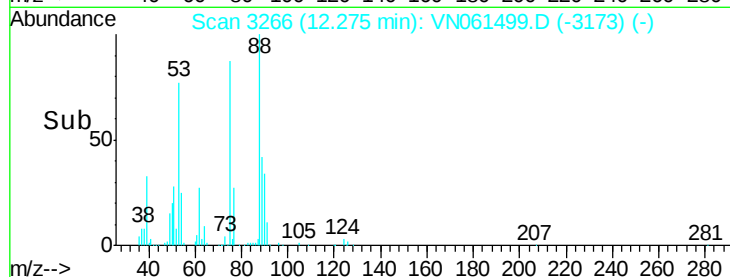
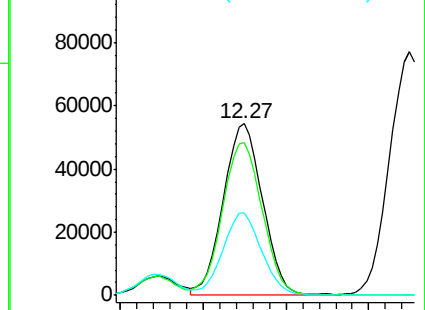
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Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061429.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN061429.D (-3256) (-)



#82

4-Chlorotoluene

Concen: 48.032 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN061499.D

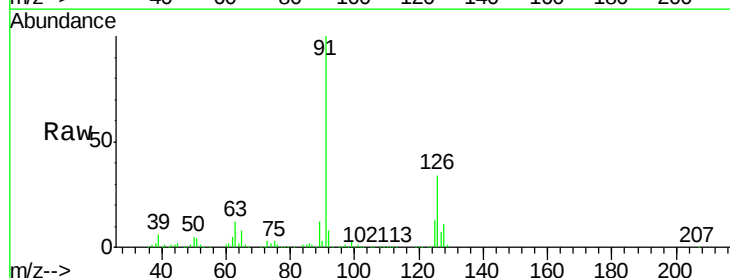
Acq: 20 May 2020 14:17

Tgt Ion: 91 Resp: 685914

Ion Ratio Lower Upper

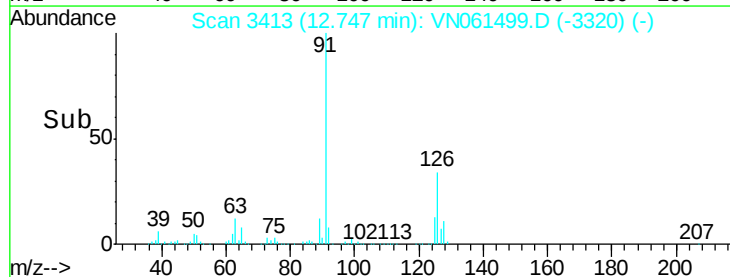
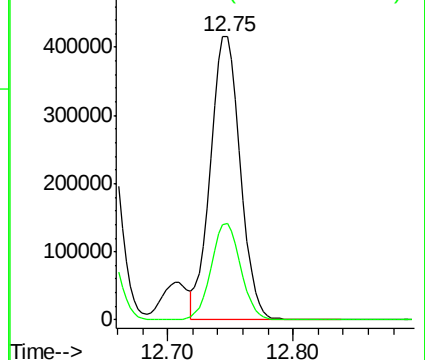
91 100

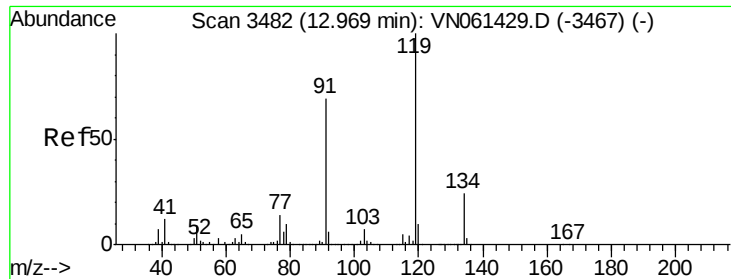
126 33.7 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VN061429.D (-3404) (-)

Ion 125.90 (125.60 to 126.60): VN061429.D (-3404) (-)





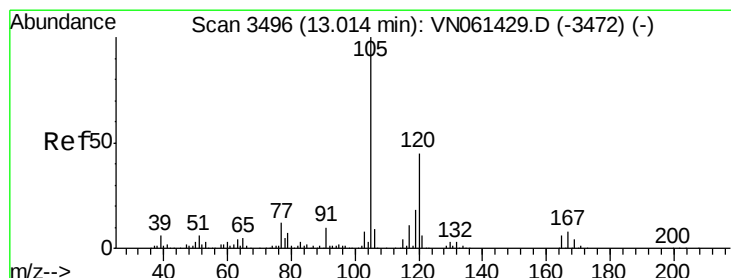
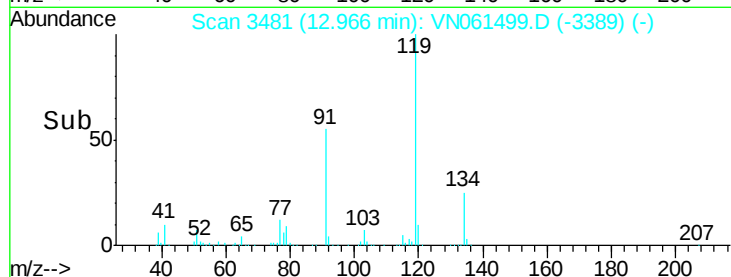
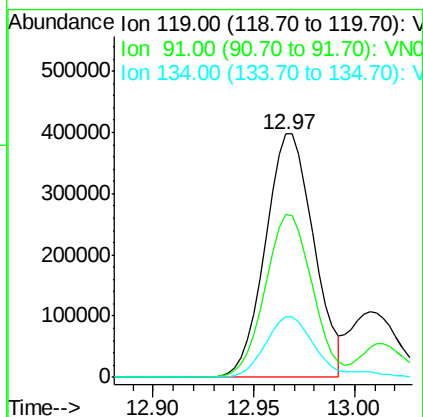
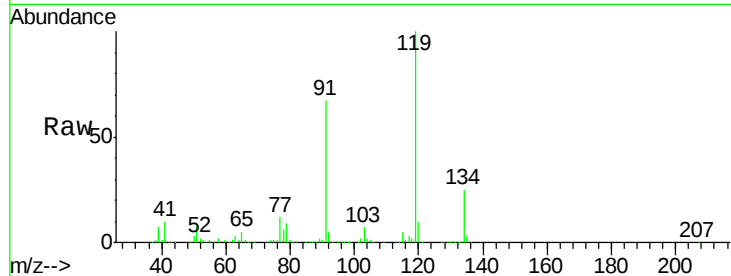
#83
 tert-Butylbenzene
 Concen: 46.097 ug/l
 RT: 12.97 min Scan# 3481
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	33.7	101.0
134	26.4	12.8	38.3

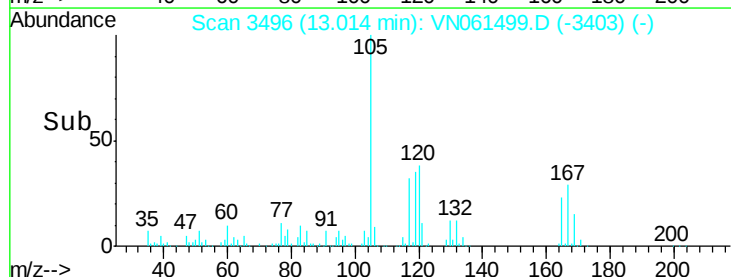
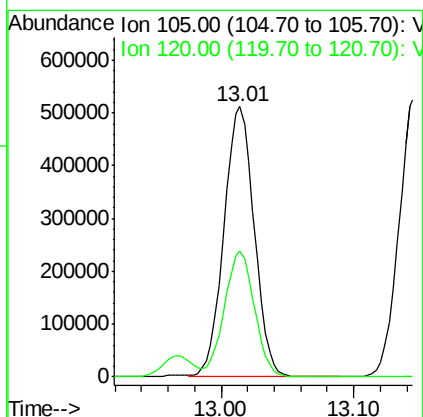
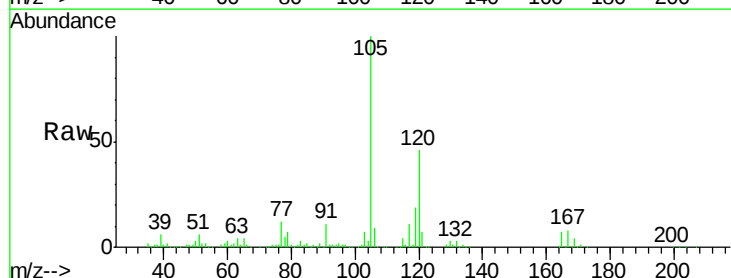
Manual Integrations
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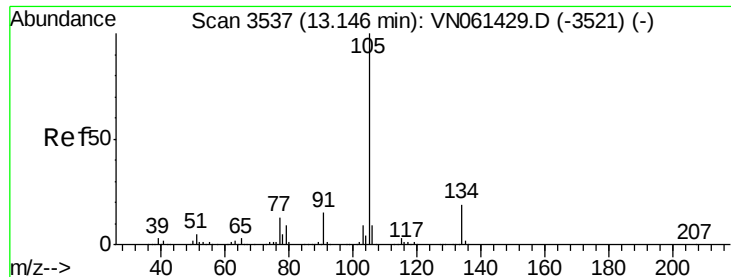
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.169 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.4	67.3





#85

sec-Butylbenzene

Concen: 43.884 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 852268

Ion Ratio Lower Upper

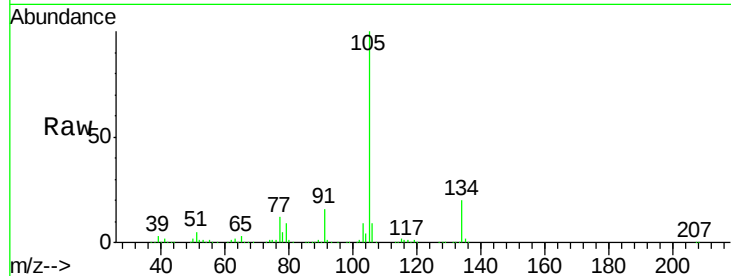
105 100

134 20.5 9.8 29.5

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

600000

500000

400000

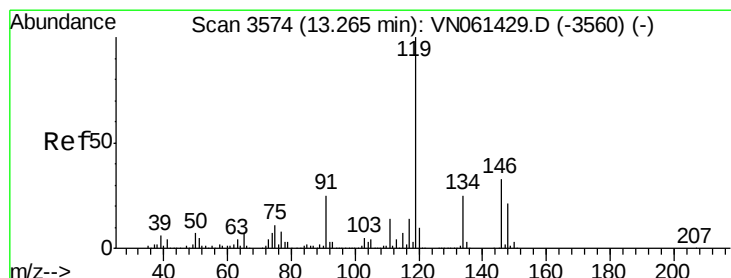
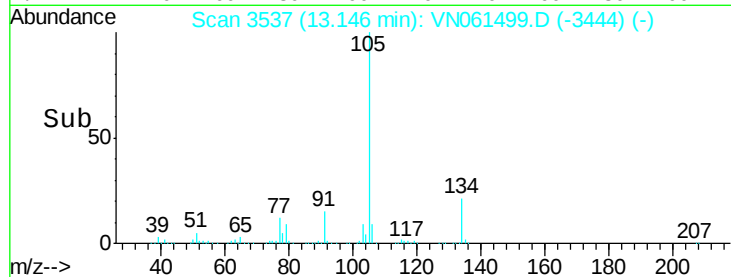
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 45.994 ug/l

RT: 13.26 min Scan# 3573

Delta R.T. -0.00 min

Lab File: VN061499.D

Acq: 20 May 2020 14:17

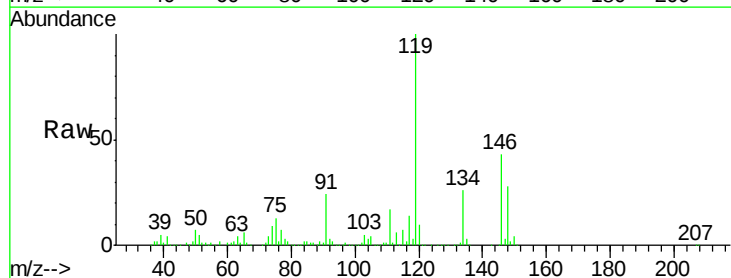
Tgt Ion:119 Resp: 793190

Ion Ratio Lower Upper

119 100

134 26.6 12.7 38.1

91 23.7 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

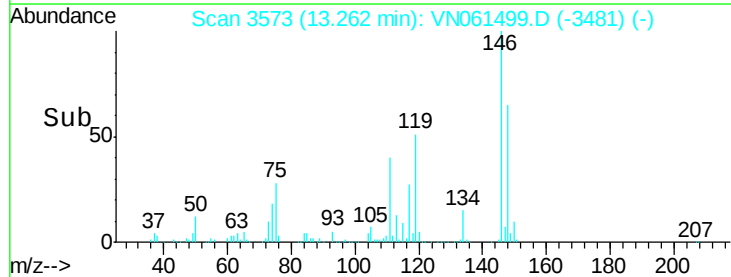
600000

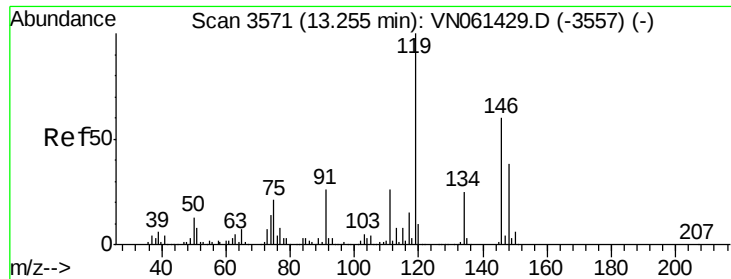
400000

200000

0

Time-->





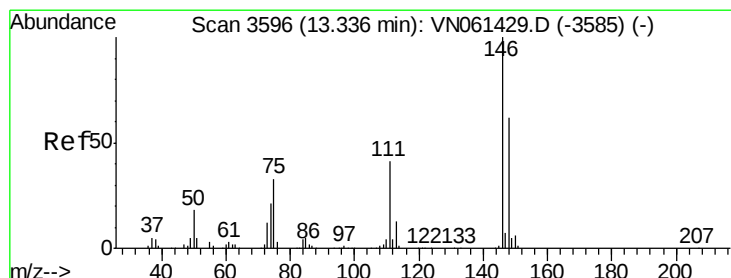
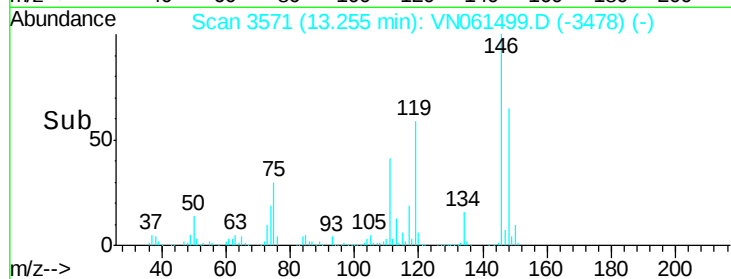
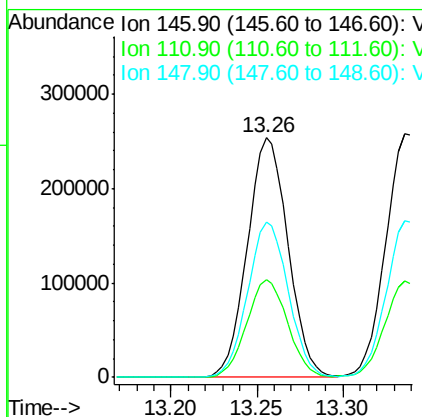
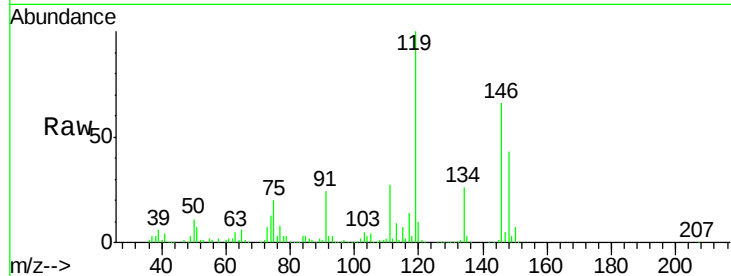
#87
 1,3-Dichlorobenzene
 Concen: 51.242 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.5	64.5
148	64.6	31.8	95.3

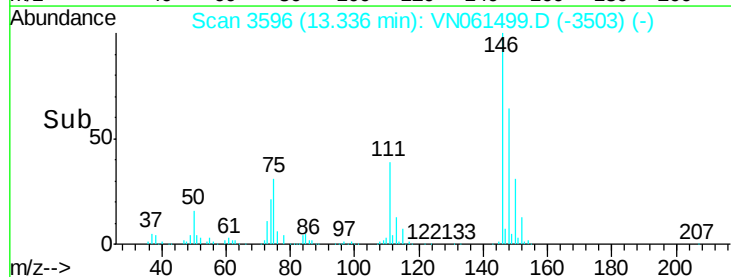
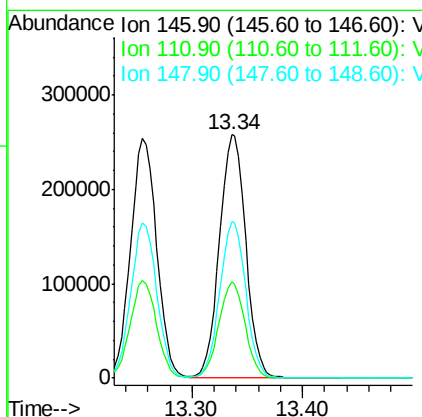
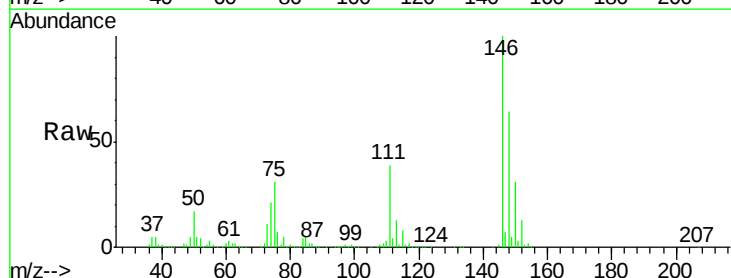
Manual Integrations
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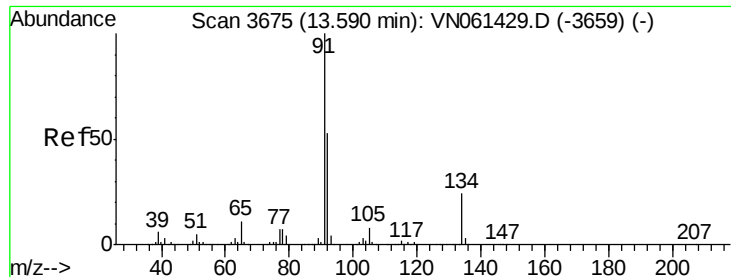
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#88
 1,4-Dichlorobenzene
 Concen: 52.441 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	20.8	62.5
148	63.6	31.6	94.8





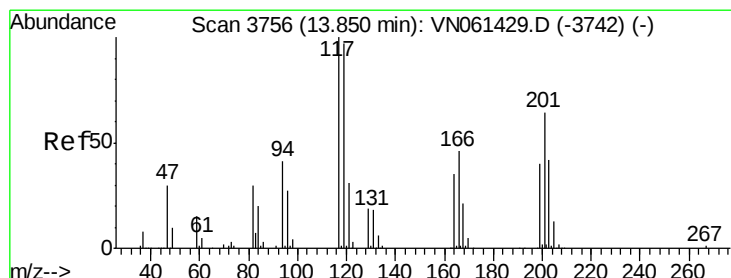
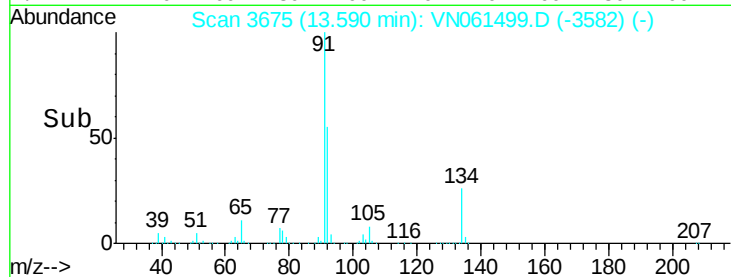
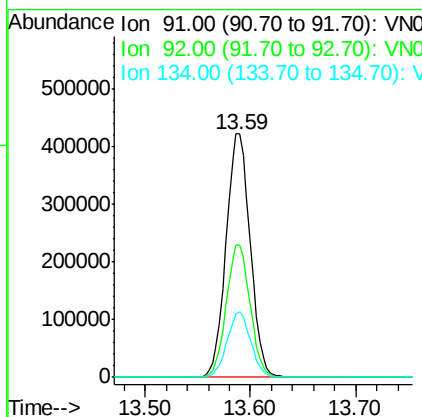
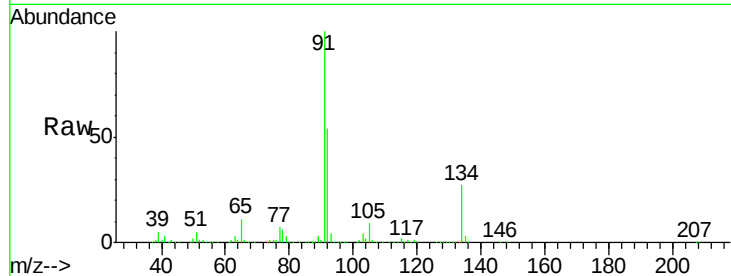
#89
n-Butylbenzene
Concen: 42.536 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.8	80.3
134	26.4	12.4	37.4

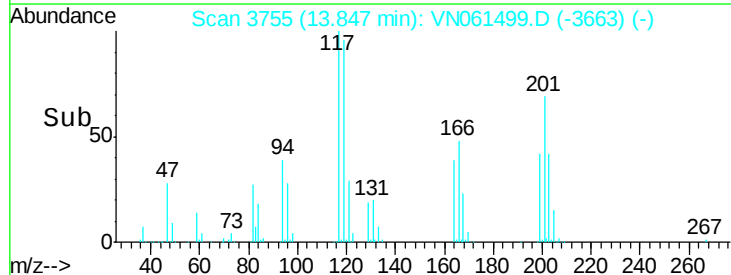
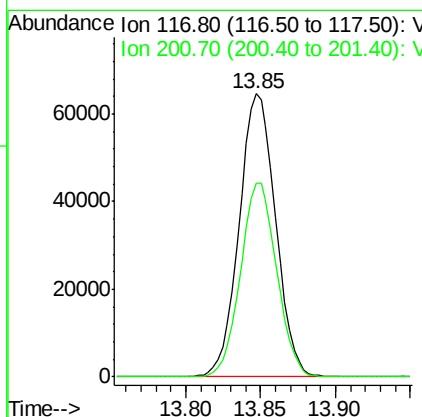
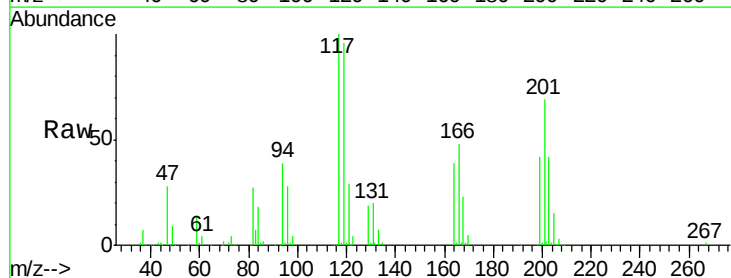
Manual Integrations
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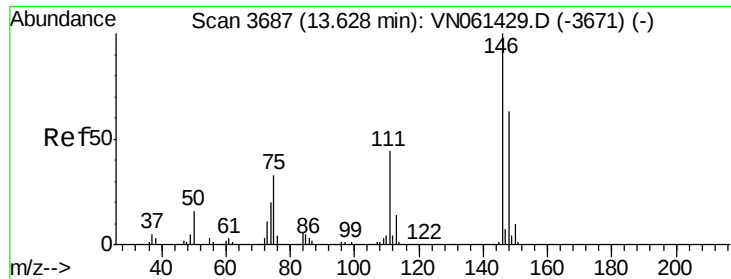
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#90
Hexachloroethane
Concen: 46.831 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.0	32.9	98.7





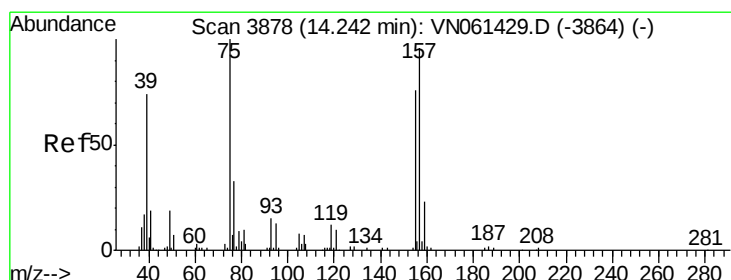
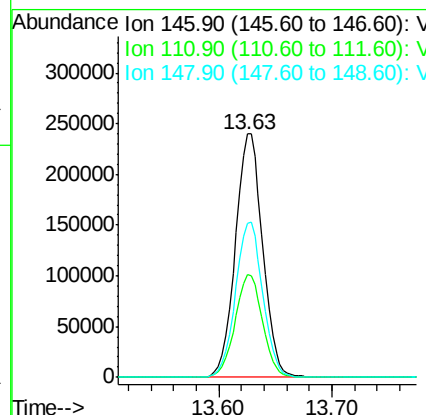
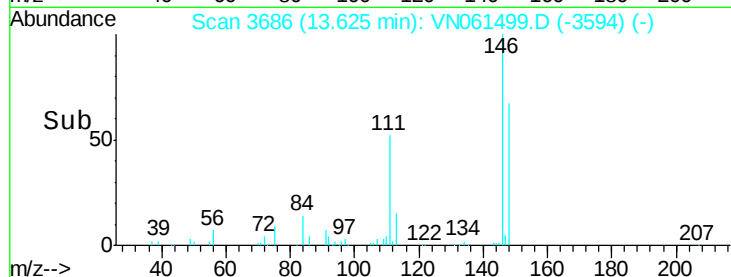
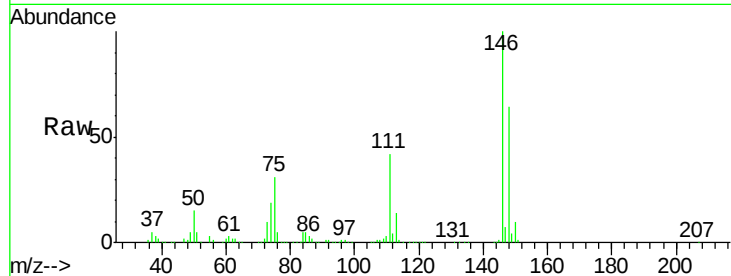
#91
 1,2-Dichlorobenzene
 Concen: 51.547 ug/l
 RT: 13.63 min Scan# 3686
 Delta R.T. -0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.9	65.7
148	63.6	31.6	94.7

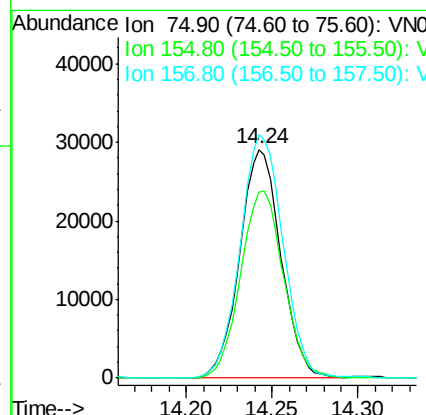
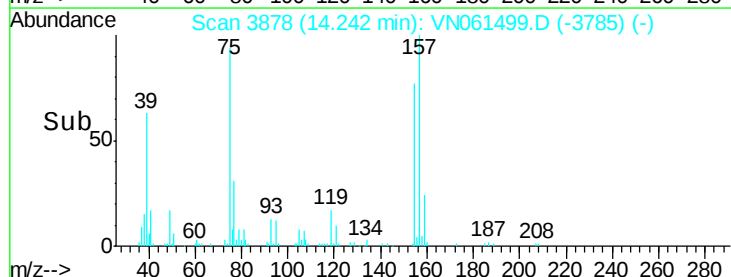
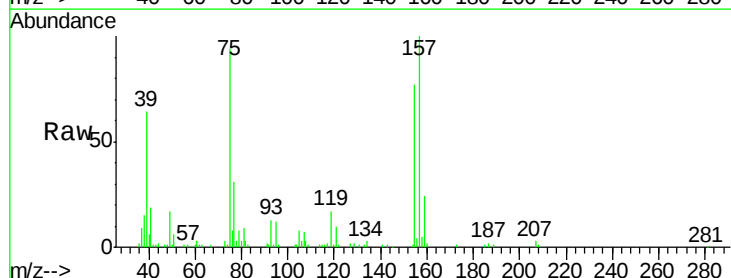
Manual Integrations
 APPROVED

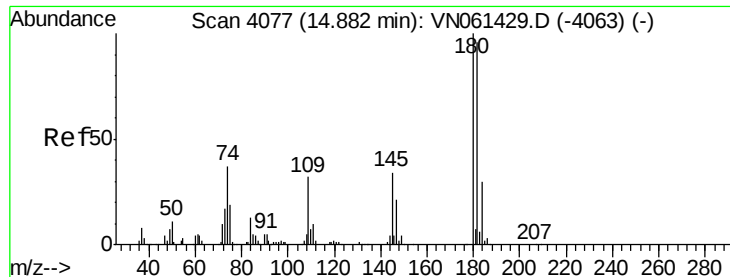
MMDadoda
 5/21/2020 1:16:12 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.643 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	38.9	116.7
157	111.1	48.6	145.8





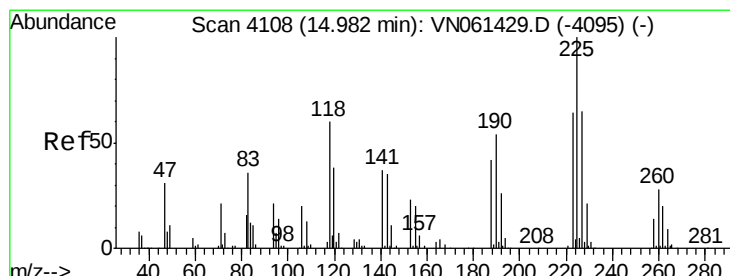
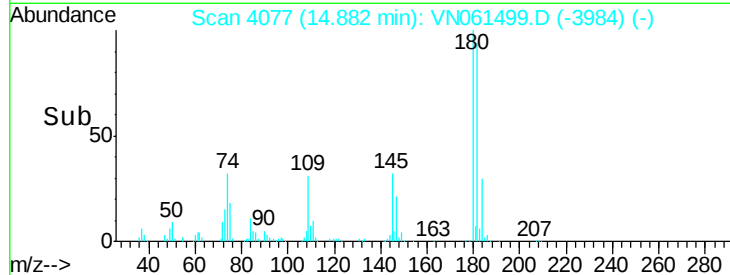
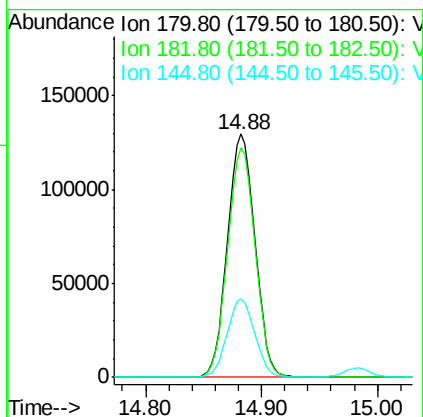
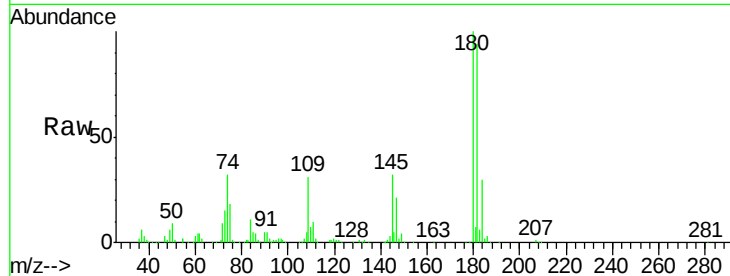
#93
 1,2,4-Trichlorobenzene
 Concen: 50.202 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	212372		
182	94.0	47.0	141.0	
145	32.5	16.7	50.0	

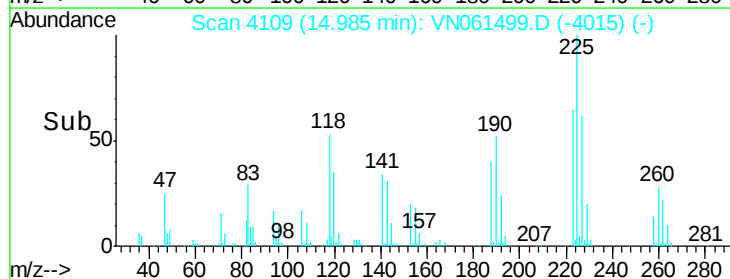
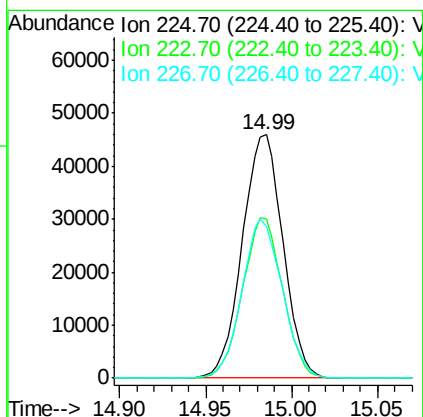
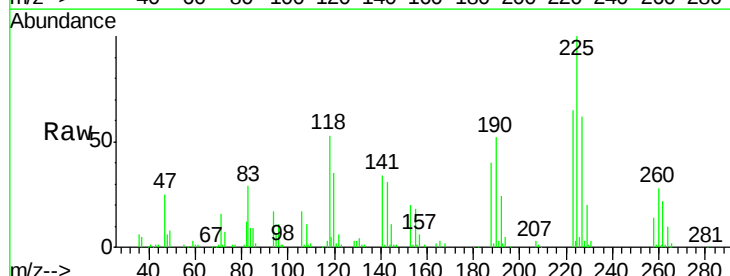
Manual Integrations
 APPROVED

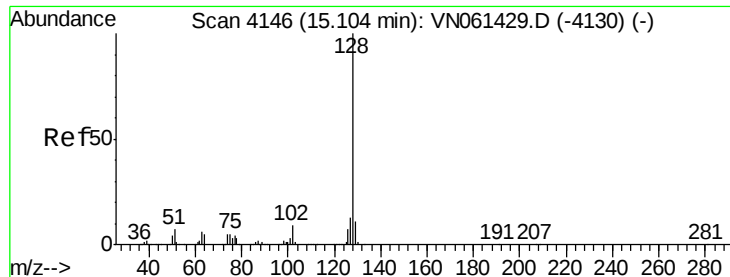
MMDadoda
 5/21/2020 1:16:12 PM



#94
 Hexachlorobutadiene
 Concen: 40.133 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN061499.D
 Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75436		
223	64.8	31.9	95.7	
227	64.8	31.5	94.5	





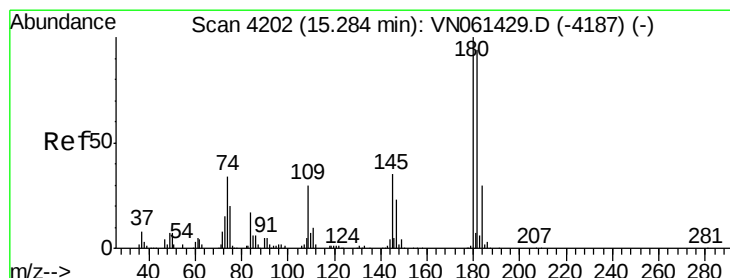
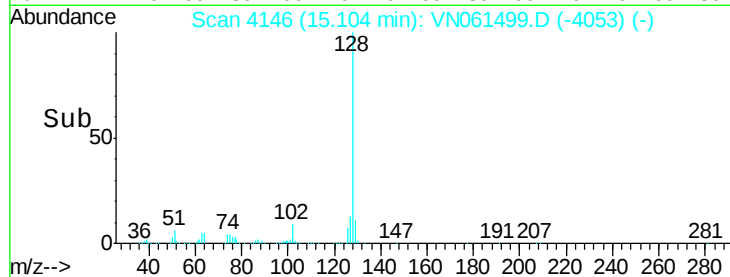
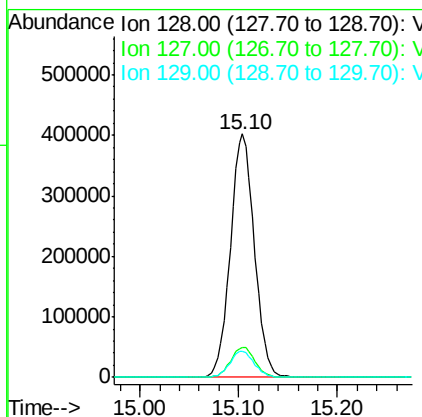
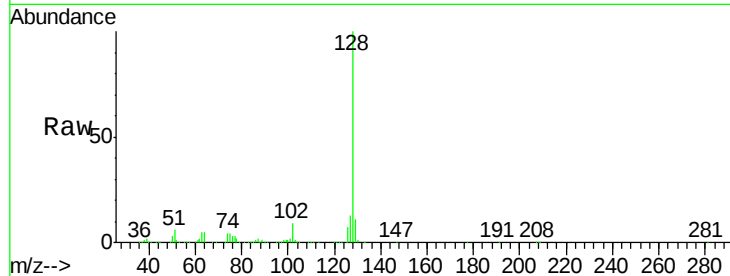
#95
Naphthalene
Concen: 50.789 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/21/2020 1:16:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.469 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN061499.D
Acq: 20 May 2020 14:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	35.0	17.3	51.9

