

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120420\
 Data File : VN064933.D
 Acq On : 4 Dec 2020 20:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 10:46:12 AM

Quant Time: Dec 05 03:35:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	219998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	355370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	317315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	154198	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	128876	50.39	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	100.78%
35) Dibromofluoromethane	7.55	113	114518	53.85	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.70%
50) Toluene-d8	10.06	98	442507	50.93	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.86%
62) 4-Bromofluorobenzene	12.38	95	158687	51.03	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	102.06%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	78307	41.070	ug/l 99
3) Chloromethane	2.04	50	103565	41.799	ug/l 98
4) Vinyl Chloride	2.16	62	110072	42.611	ug/l 96
5) Bromomethane	2.52	94	73416	43.318	ug/l 94
6) Chloroethane	2.67	64	69273	43.357	ug/l 99
7) Trichlorofluoromethane	2.99	101	162418	45.485	ug/l 99
8) Diethyl Ether	3.37	74	64405	45.694	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	100797	47.056	ug/l 99
10) Methyl Iodide	3.91	142	118178	42.534	ug/l 96
11) Tert butyl alcohol	4.75	59	98215	246.235	ug/l 100
12) 1,1-Dichloroethene	3.69	96	101148	47.413	ug/l 99
13) Acrolein	3.57	56	60542	248.495	ug/l 99
14) Allyl chloride	4.27	41	167885	47.714	ug/l 97
15) Acrylonitrile	4.93	53	275422	249.956	ug/l 99
16) Acetone	3.78	43	212546	252.802	ug/l 96
17) Carbon Disulfide	4.01	76	246036	44.668	ug/l 99
18) Methyl Acetate	4.28	43	127000	50.241	ug/l 97
19) Methyl tert-butyl Ether	4.99	73	355976	52.028	ug/l 100
20) Methylene Chloride	4.50	84	126325	47.949	ug/l 98
21) trans-1,2-Dichloroethene	4.99	96	110663	46.712	ug/l 95
22) Diisopropyl ether	5.90	45	364077	51.696	ug/l 98
23) Vinyl Acetate	5.85	43	1459591	259.166	ug/l 100
24) 1,1-Dichloroethane	5.80	63	210297	49.964	ug/l 100
25) 2-Butanone	6.79	43	345968	253.844	ug/l 96
26) 2,2-Dichloropropane	6.78	77	163316	44.738	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	133955	50.250	ug/l 97
28) Bromochloromethane	7.15	49	100225	52.052	ug/l 98
29) Tetrahydrofuran	7.17	42	227934	242.274	ug/l 99
30) Chloroform	7.33	83	213080	49.092	ug/l 98
31) Cyclohexane	7.61	56	163707	45.924	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	180657	48.461	ug/l 99
36) 1,1-Dichloropropene	7.75	75	154881	47.020	ug/l 99
37) Ethyl Acetate	6.88	43	146071	46.037	ug/l 98
38) Carbon Tetrachloride	7.73	117	161386	47.088	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	164408	46.365	ug/l	97
40) Benzene	8.00	78	483165	47.868	ug/l	99
41) Methacrylonitrile	7.12	41	73034	49.885	ug/l	90
42) 1,2-Dichloroethane	8.08	62	158267	46.480	ug/l	100
43) Isopropyl Acetate	8.13	43	245455	48.075	ug/l	98
44) Trichloroethene	8.80	130	133880	44.954	ug/l	96
45) 1,2-Dichloropropane	9.08	63	129216	49.433	ug/l	99
46) Dibromomethane	9.17	93	84200	48.216	ug/l	99
47) Bromodichloromethane	9.37	83	170030	48.390	ug/l	99
48) Methyl methacrylate	9.16	41	121256	49.702	ug/l	97
49) 1,4-Dioxane	9.17	88	44210	958.793	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	738663	240.987	ug/l	99
52) Toluene	10.12	92	301243	48.462	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	189207	48.346	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	206130	49.139	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	124988	48.897	ug/l	98
56) Ethyl methacrylate	10.40	69	183153	51.923	ug/l	98
57) 1,3-Dichloropropane	10.68	76	207511	49.213	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	473719	244.147	ug/l	100
59) 2-Hexanone	10.72	43	535763	242.872	ug/l	100
60) Dibromochloromethane	10.87	129	140591	49.480	ug/l	99
61) 1,2-Dibromoethane	10.98	107	125665	48.389	ug/l	99
64) Tetrachloroethene	10.60	164	127979	41.455	ug/l	97
65) Chlorobenzene	11.41	112	332464	48.790	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	127480	50.905	ug/l	99
67) Ethyl Benzene	11.48	91	576686	50.659	ug/l	99
68) m/p-Xylenes	11.60	106	441462	102.429	ug/l	99
69) o-Xylene	11.92	106	212347	51.920	ug/l	100
70) Styrene	11.94	104	365503	52.937	ug/l	99
71) Bromoform	12.10	173	98300	49.146	ug/l #	99
73) Isopropylbenzene	12.22	105	558238	52.047	ug/l	100
74) N-amyl acetate	12.04	43	217988	51.645	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	163952	52.153	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	148103m	44.599	ug/l	
77) Bromobenzene	12.50	156	145938	50.470	ug/l	99
78) n-propylbenzene	12.56	91	622298	50.931	ug/l	98
79) 2-Chlorotoluene	12.65	91	378202	50.074	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	474542	53.230	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	58594	48.360	ug/l	97
82) 4-Chlorotoluene	12.75	91	392803	49.617	ug/l	100
83) tert-Butylbenzene	12.97	119	400098	53.543	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	481739	53.445	ug/l	100
85) sec-Butylbenzene	13.14	105	506652	51.066	ug/l	100
86) p-Isopropyltoluene	13.26	119	467197	51.722	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	255481	49.730	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	257954	47.479	ug/l	100
89) n-Butylbenzene	13.59	91	385109	48.548	ug/l	99
90) Hexachloroethane	13.85	117	81698	52.064	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	254218	50.396	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	34290	48.476	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	144744	46.385	ug/l	99
94) Hexachlorobutadiene	14.98	225	69639	49.561	ug/l	99
95) Naphthalene	15.10	128	453366	48.496	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	139567	47.146	ug/l	99

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

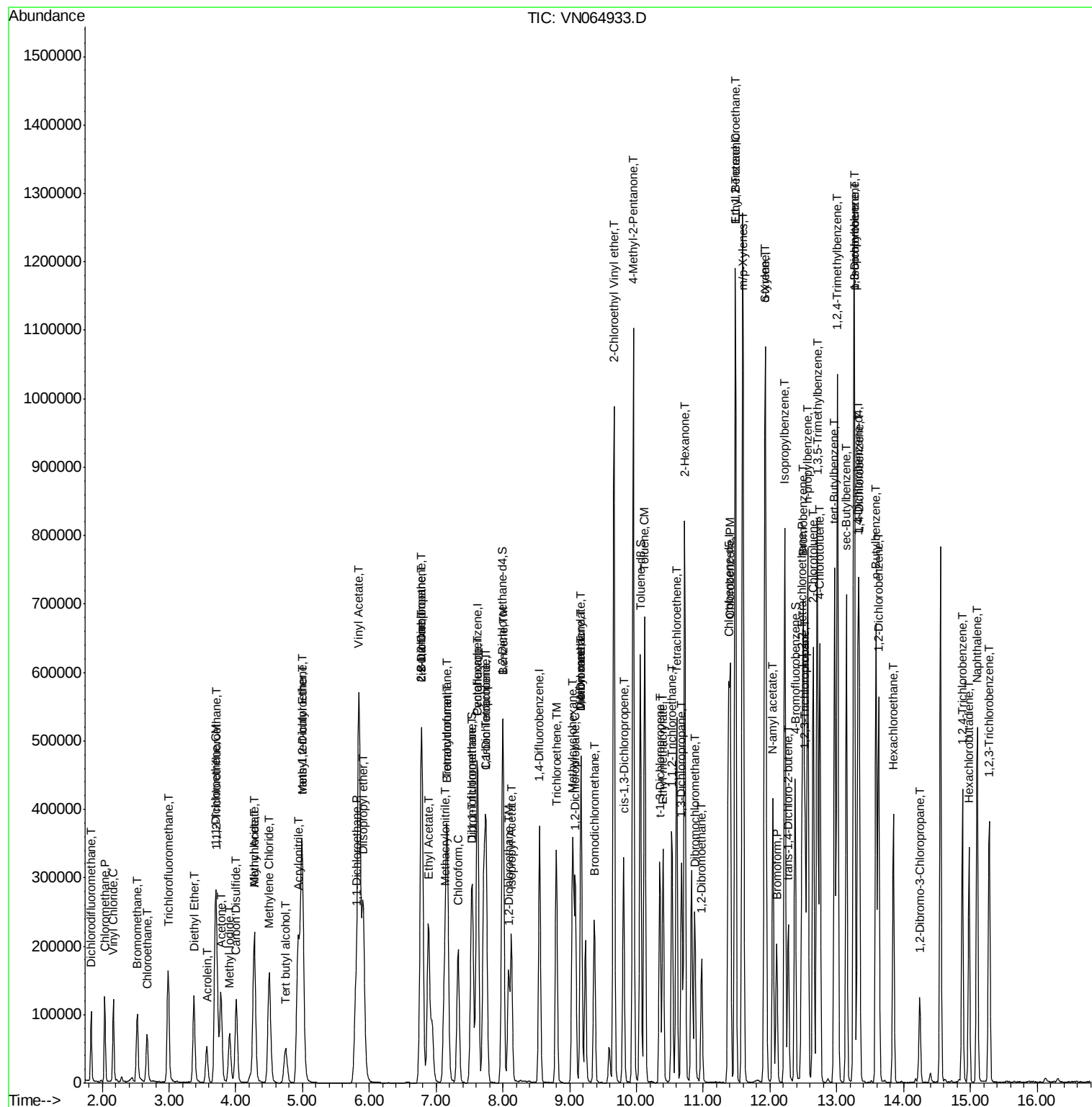
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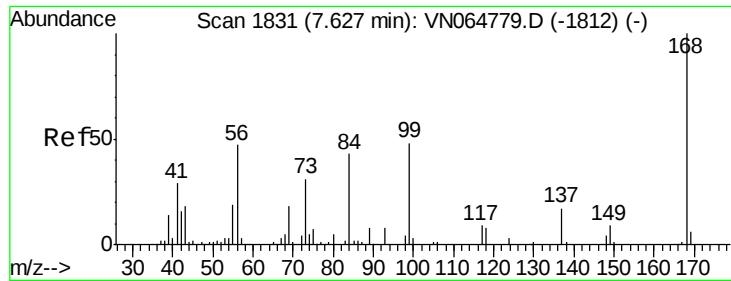
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 219998

Ion Ratio Lower Upper

168 100

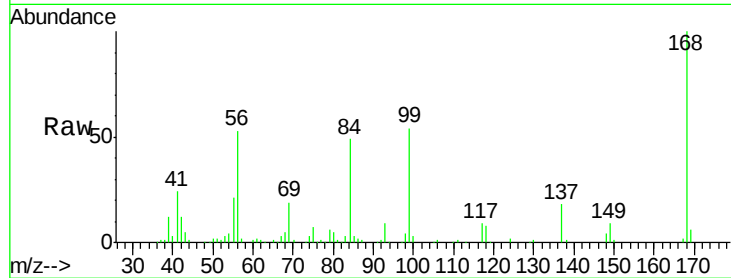
99 53.5 43.0 64.4

Manual Integrations

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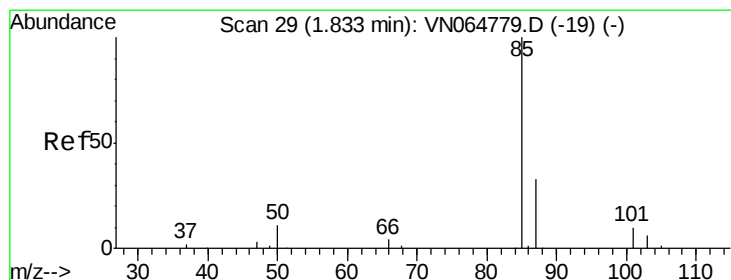
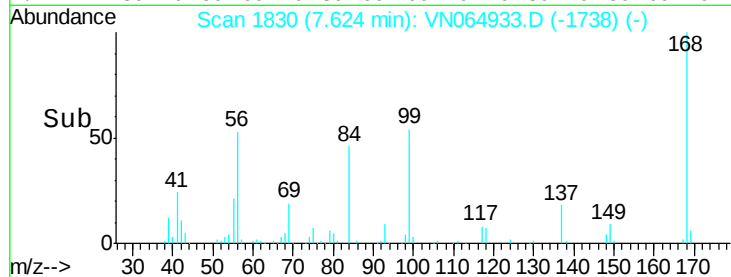
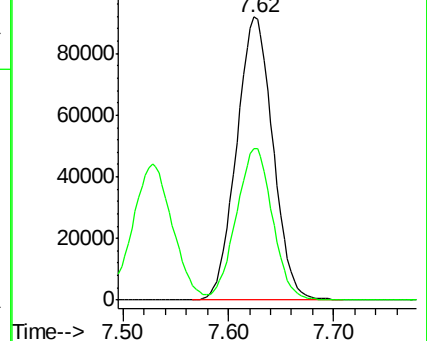
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12/7/2020 10:46:12 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 41.070 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064933.D

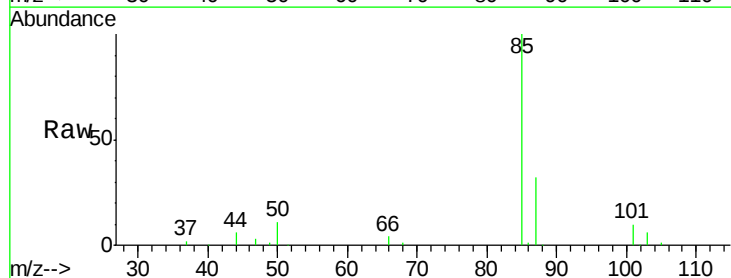
Acq: 4 Dec 2020 20:55

Tgt Ion: 85 Resp: 78307

Ion Ratio Lower Upper

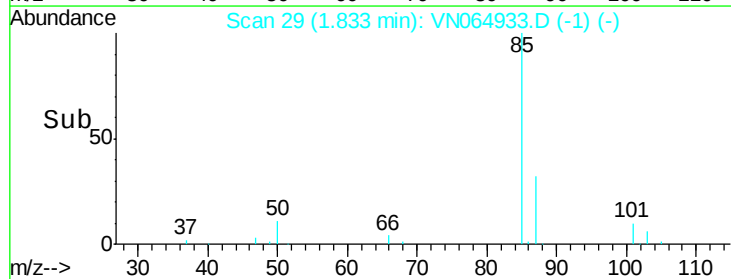
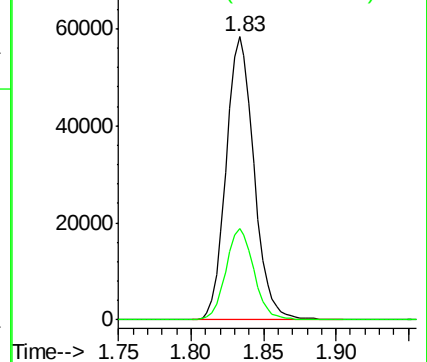
85 100

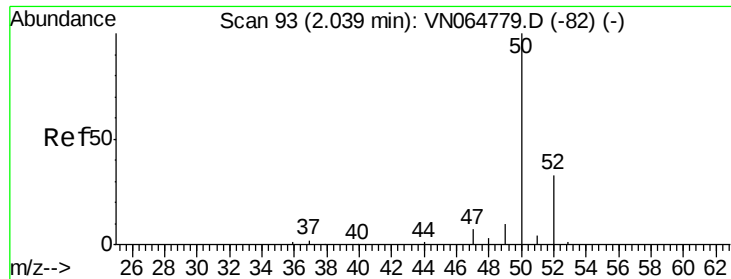
87 32.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 41.799 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 103565

Ion Ratio Lower Upper

50 100

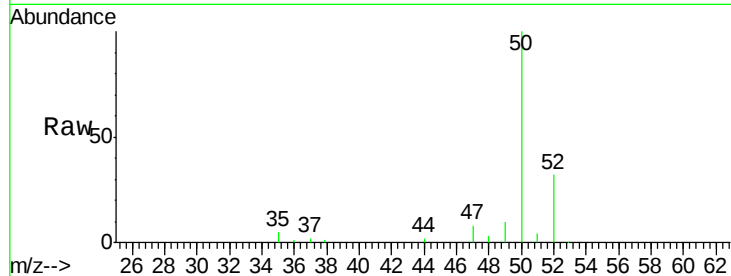
52 32.1 26.6 39.8

Manual Integrations

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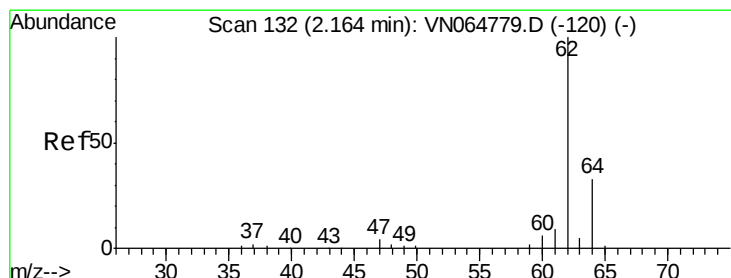
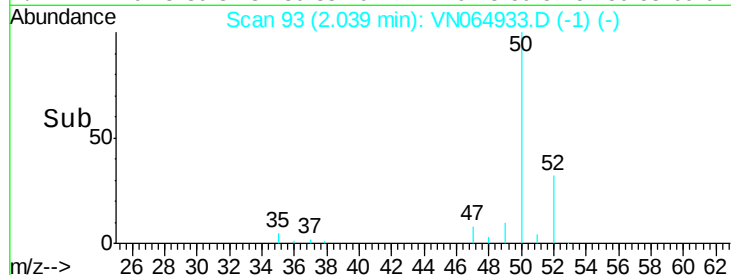
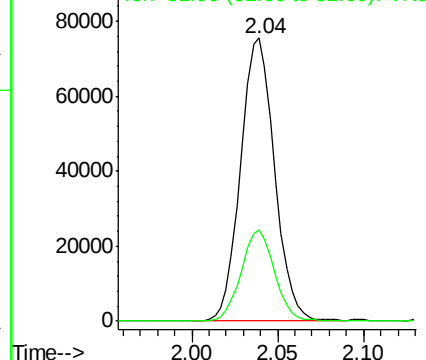
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 42.611 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064933.D

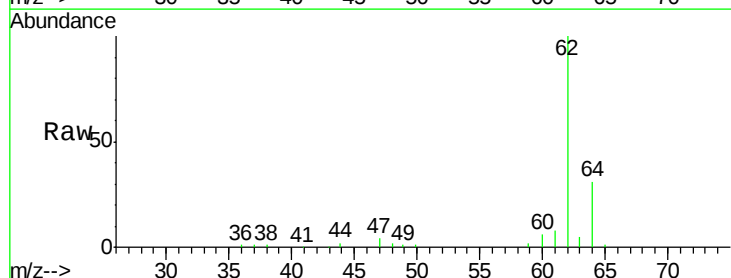
Acq: 4 Dec 2020 20:55

Tgt Ion: 62 Resp: 110072

Ion Ratio Lower Upper

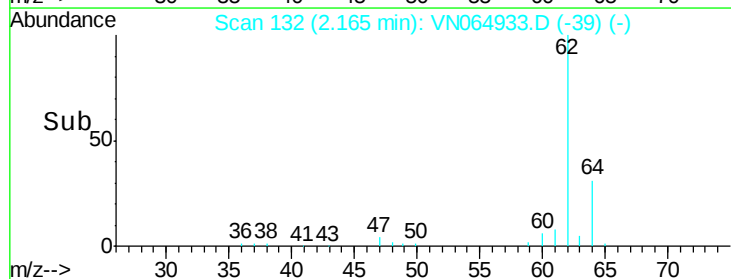
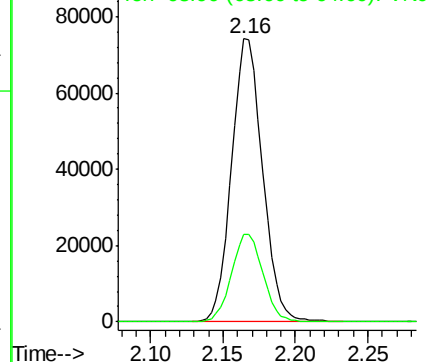
62 100

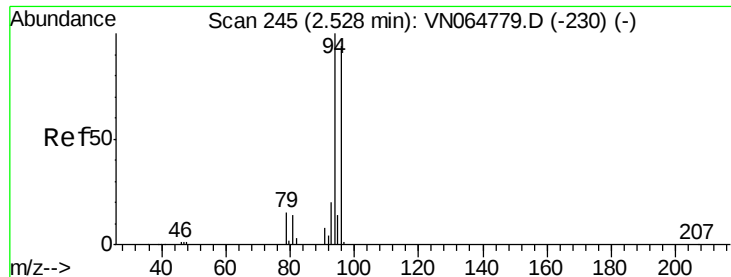
64 30.8 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 43.318 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

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Tot Ion: 94 Resp: 73416

Ion Ratio Lower Upper

94 100

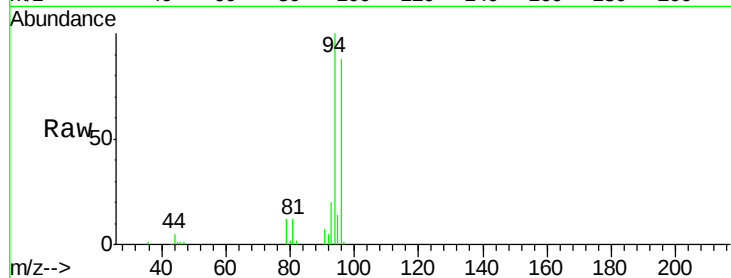
96 88.3 75.4 113.0

Manual Integrations

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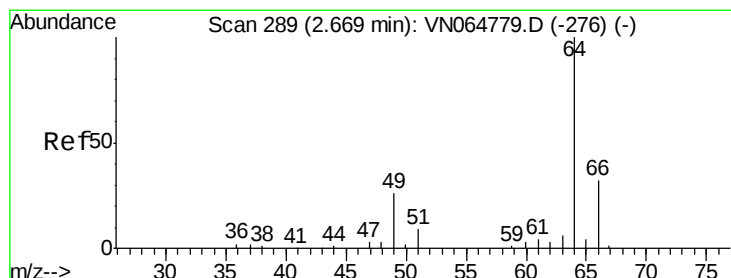
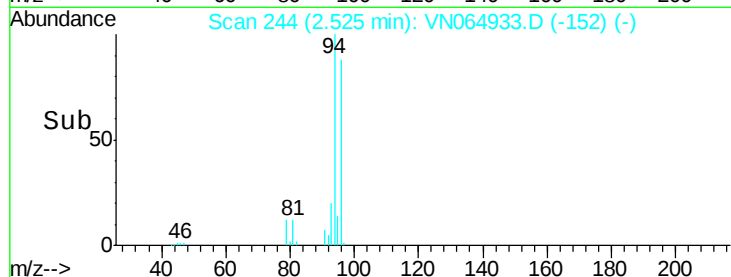
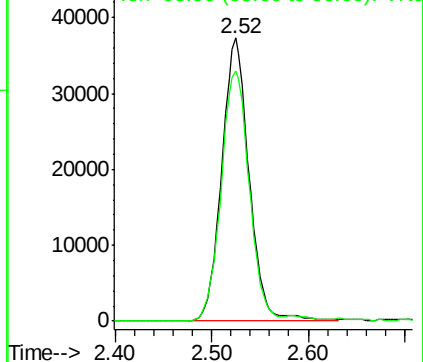
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 43.357 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN064933.D

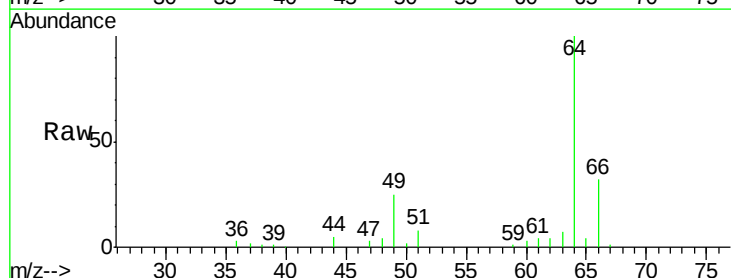
Acq: 4 Dec 2020 20:55

Tgt Ion: 64 Resp: 69273

Ion Ratio Lower Upper

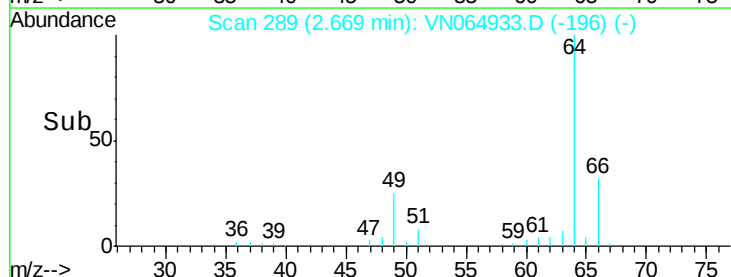
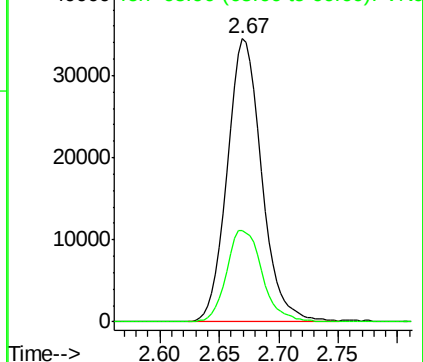
64 100

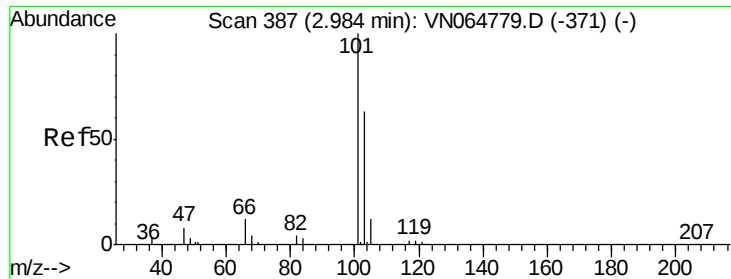
66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

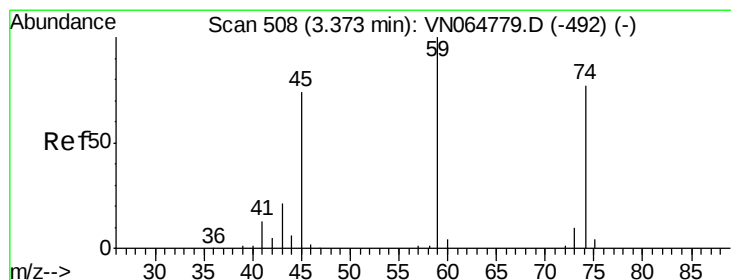
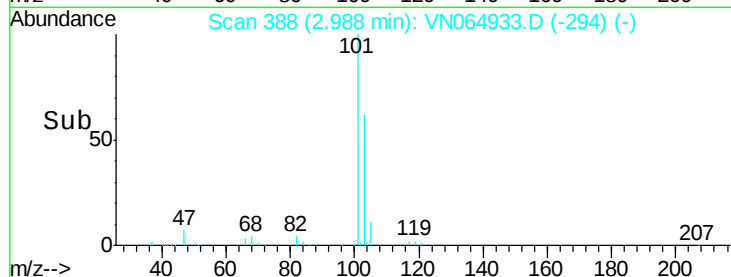
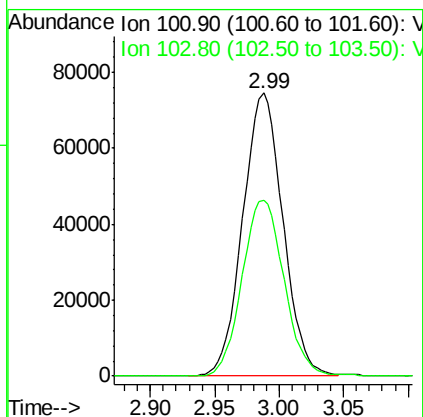
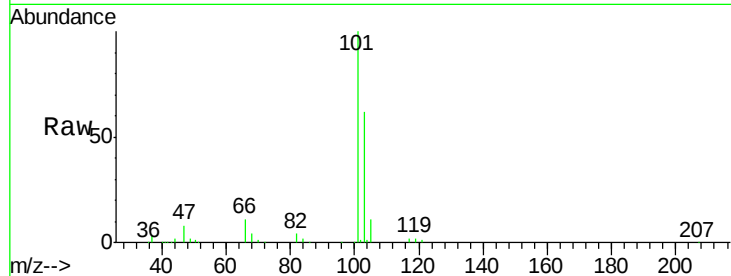
Trichlorofluoromethane
Concen: 45.485 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064933.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	50.5	75.7

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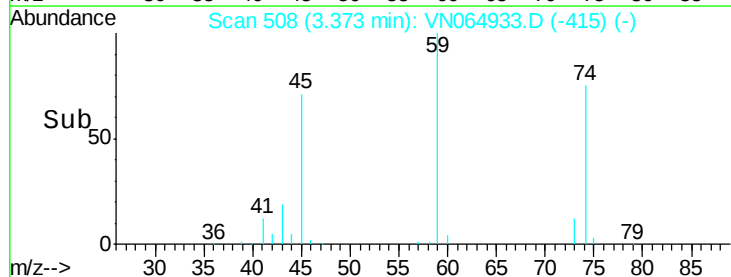
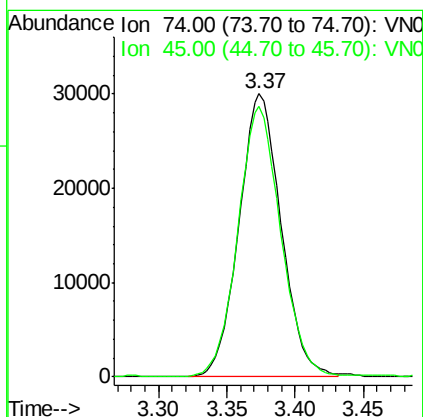
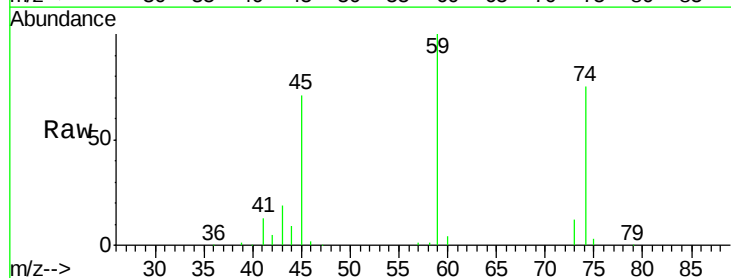
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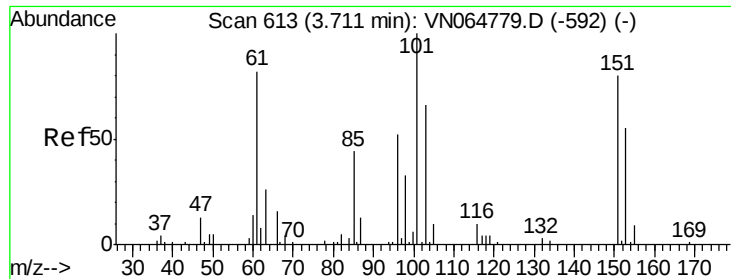


#8

Diethyl Ether
Concen: 45.694 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.056 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

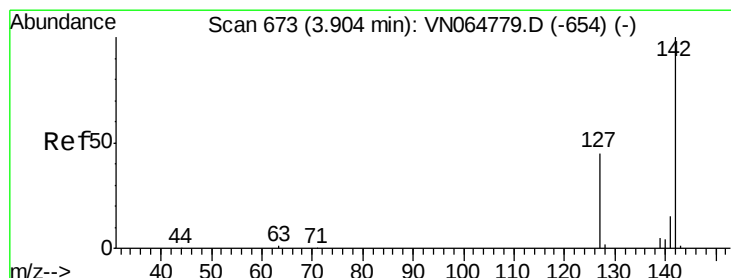
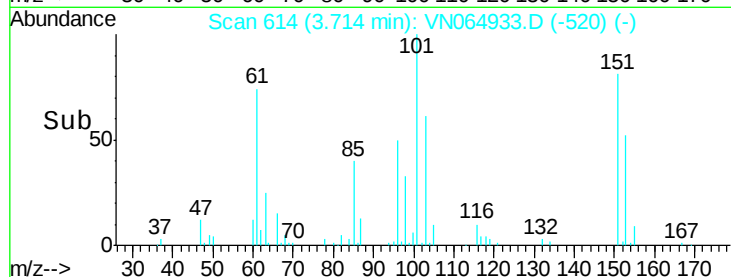
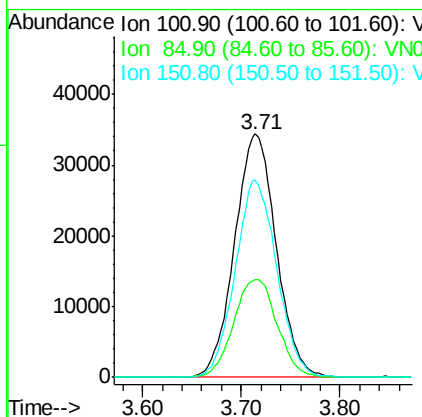
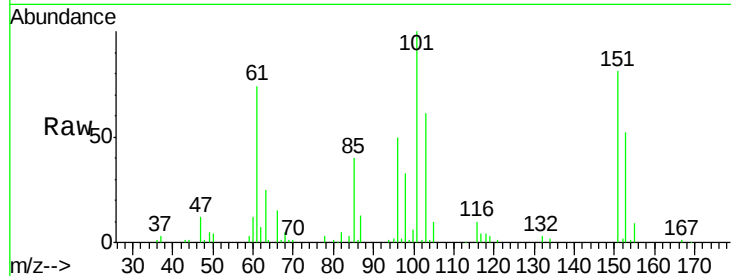
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	100797
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.4	51.6
151	80.8	64.0	96.0

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#10

Methyl Iodide

Concen: 42.534 ug/l

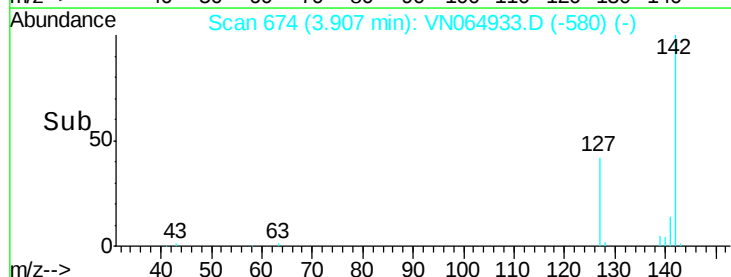
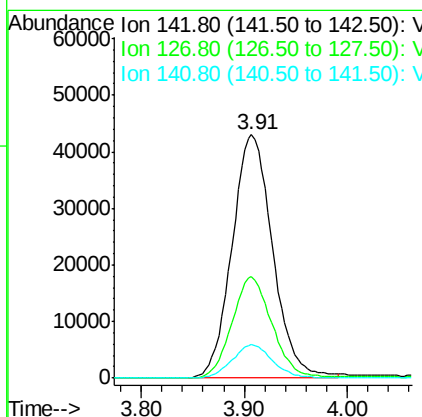
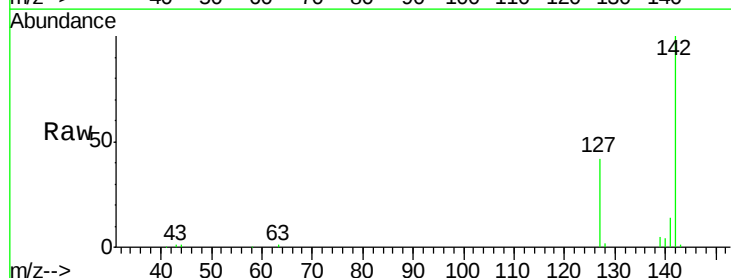
RT: 3.91 min Scan# 674

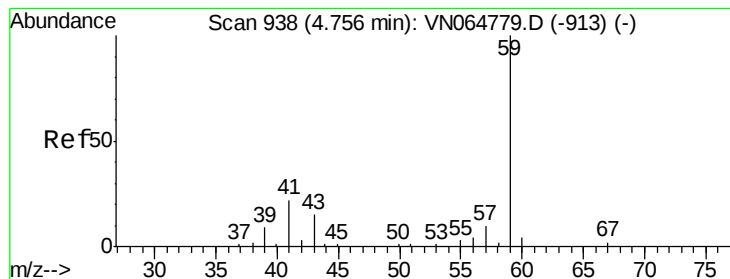
Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Tgt Ion:	142	Resp:	118178
Ion Ratio	Lower	Upper	
142	100		
127	40.9	35.0	52.6
141	13.4	11.8	17.6





#11

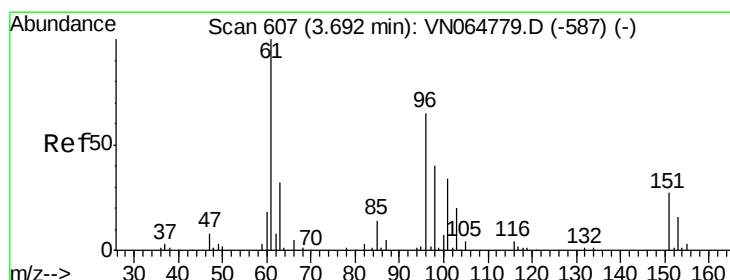
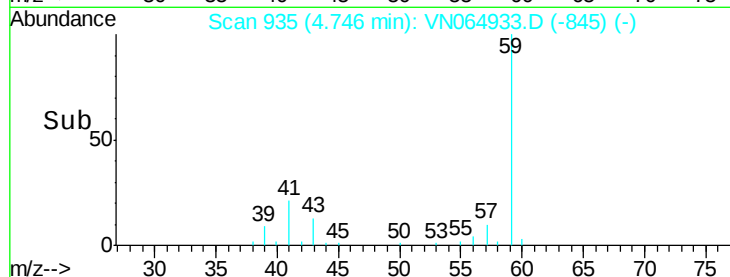
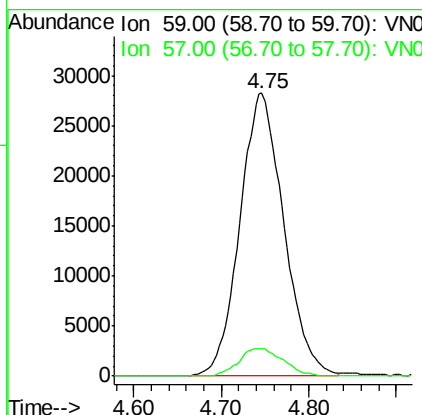
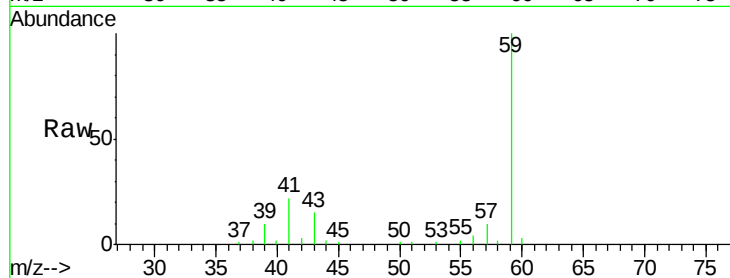
Tert butyl alcohol
Concen: 246.235 ug/l
RT: 4.75 min Scan# 935
Delta R.T. -0.01 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

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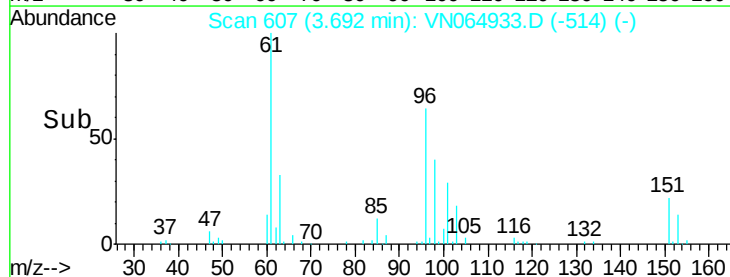
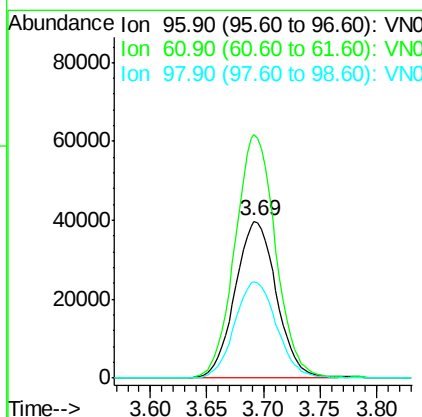
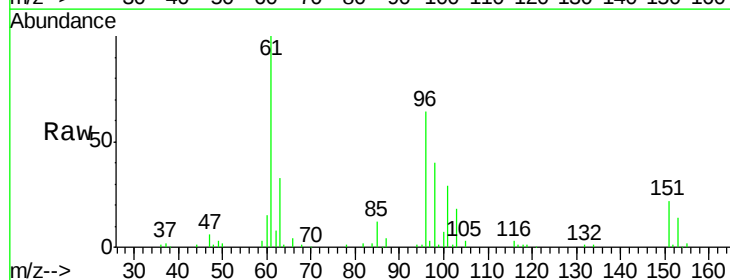
MMDadoda
12/7/2020 10:46:12 AM

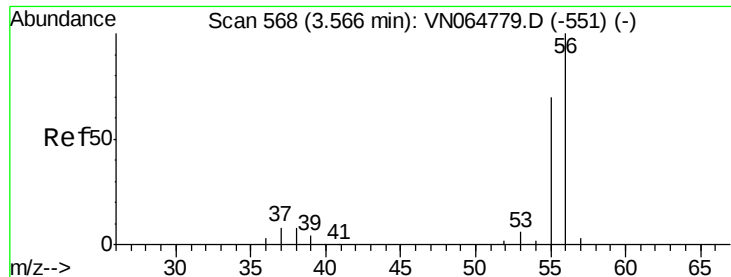


#12

1,1-Dichloroethene
Concen: 47.413 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.2	123.4	185.2
98	61.7	49.8	74.8





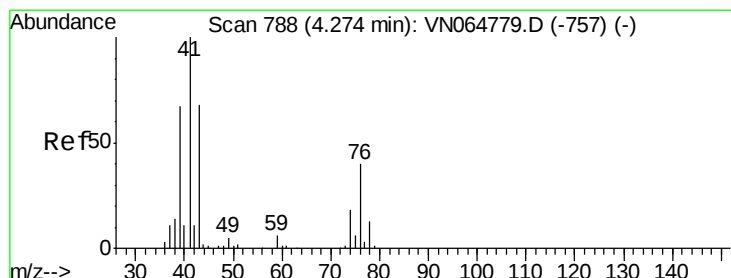
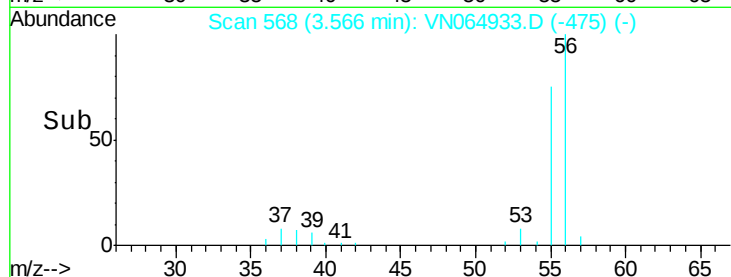
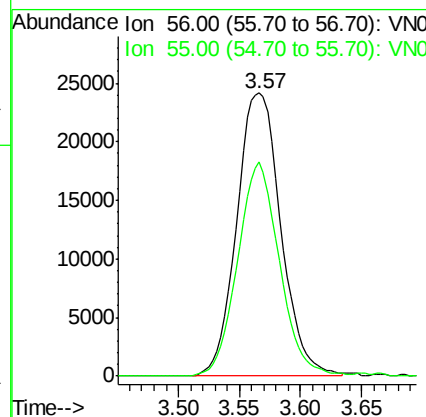
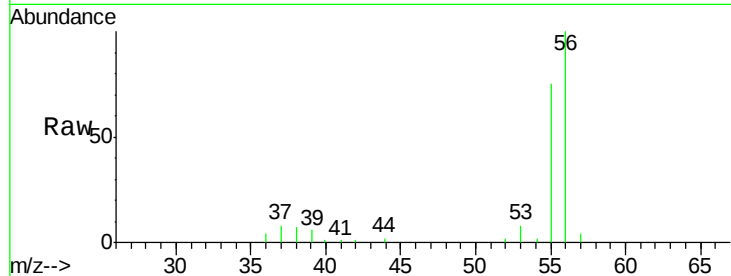
#13
Acrolein
Concen: 248.495 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 60542
Ion Ratio Lower Upper
56 100
55 71.4 56.5 84.7

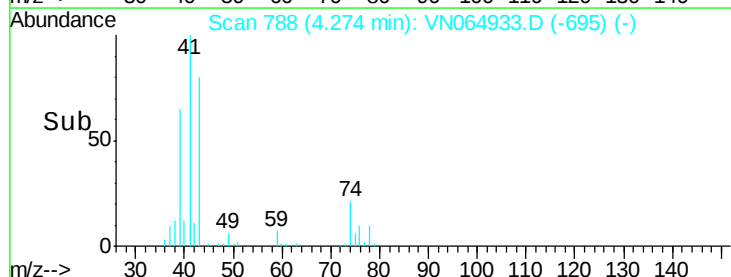
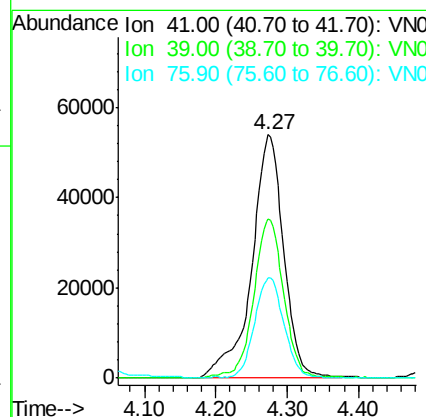
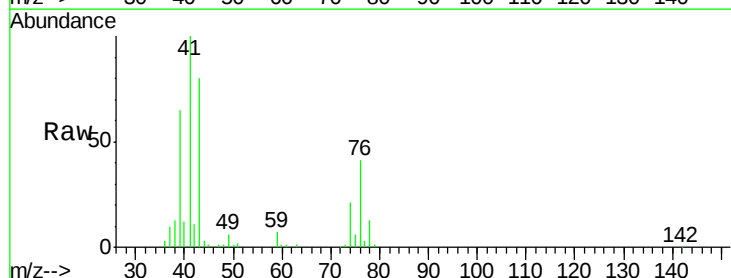
Manual Integrations
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#14
Allyl chloride
Concen: 47.714 ug/l
RT: 4.27 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion: 41 Resp: 167885
Ion Ratio Lower Upper
41 100
39 61.0 50.9 76.3
76 37.9 29.0 43.4





#15

Acrylonitrile

Concen: 249.956 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.01 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

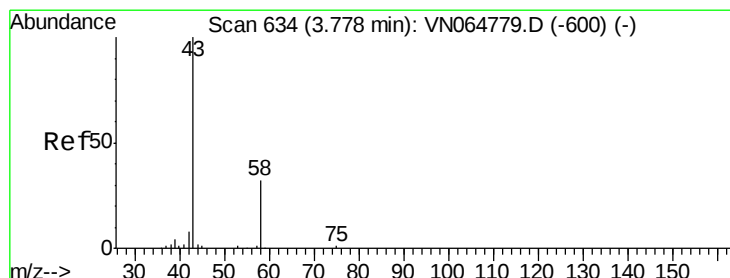
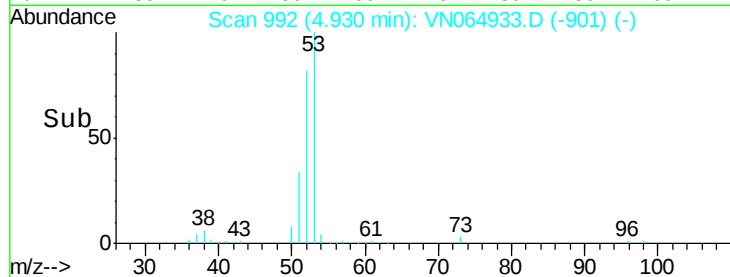
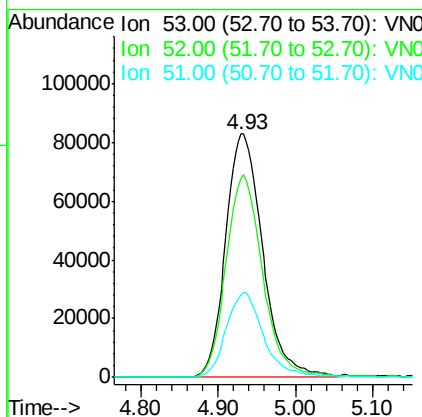
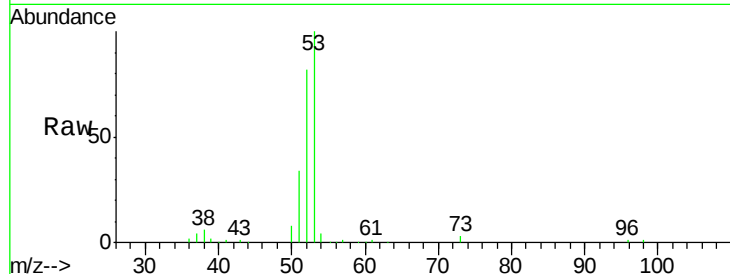
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	275422
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.5	98.3
51	34.9	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 252.802 ug/l

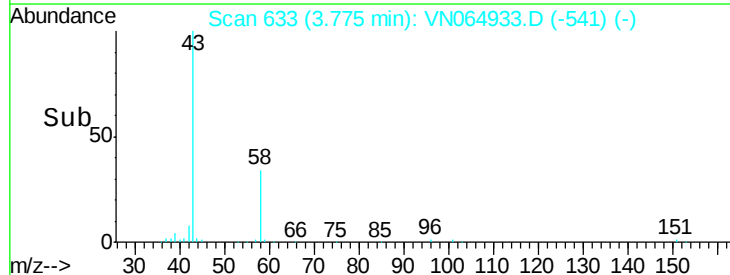
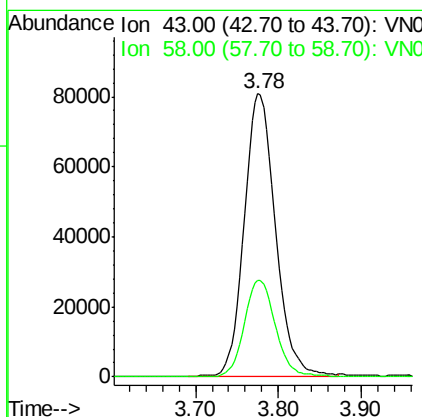
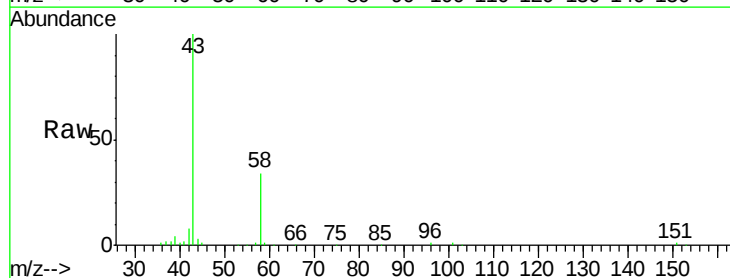
RT: 3.78 min Scan# 633

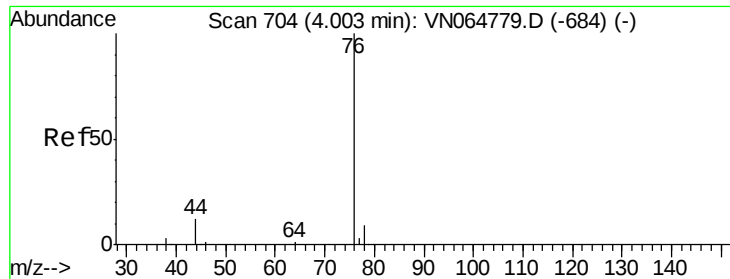
Delta R.T. -0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Tgt Ion:	43	Resp:	212546
Ion	Ratio	Lower	Upper
43	100		
58	34.3	25.7	38.5





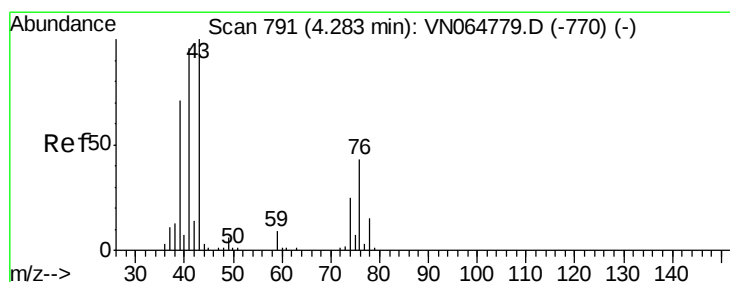
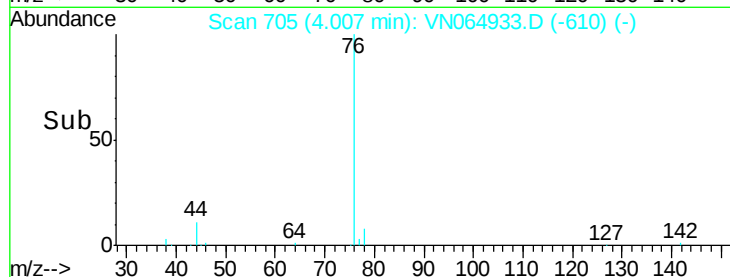
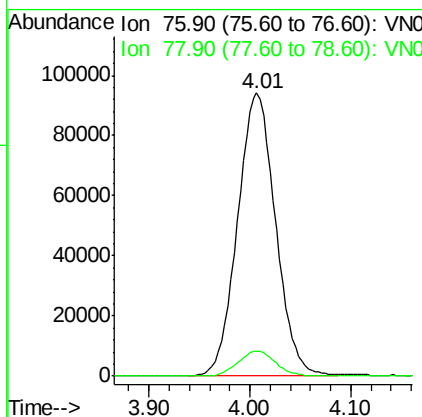
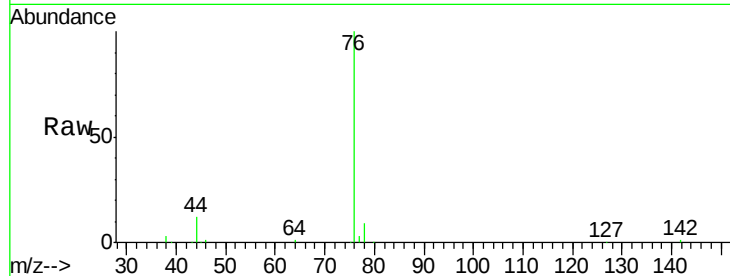
#17
Carbon Disulfide
Concen: 44.668 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

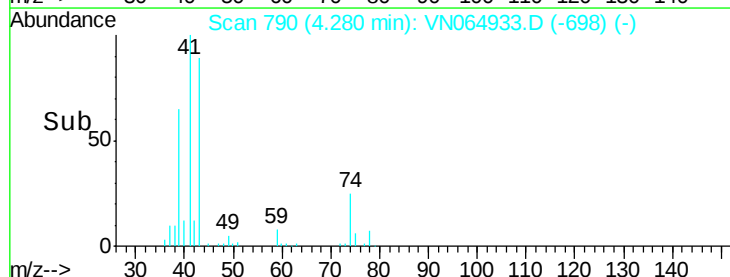
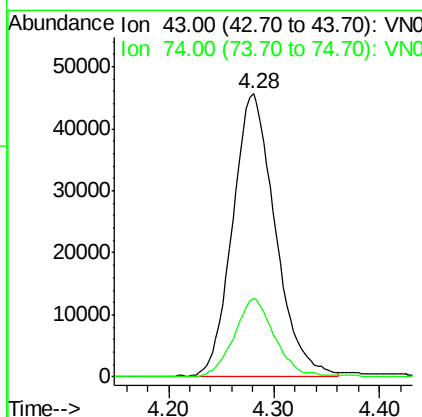
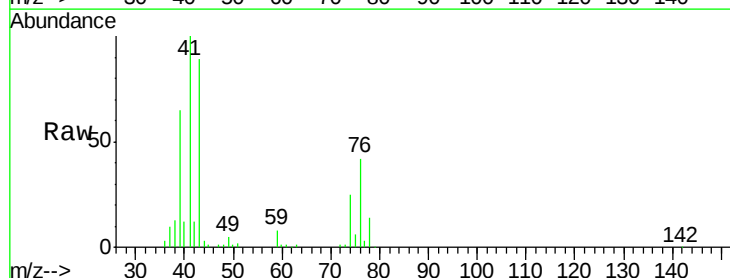
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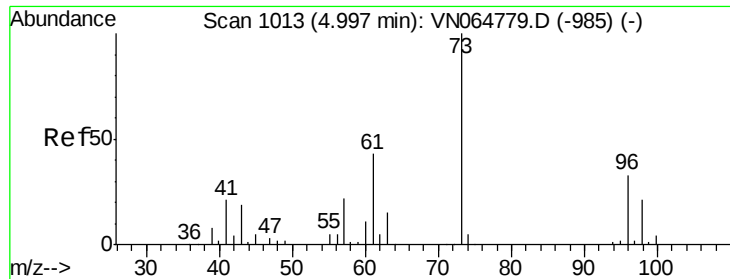
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#18
Methyl Acetate
Concen: 50.241 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	20.2	30.2





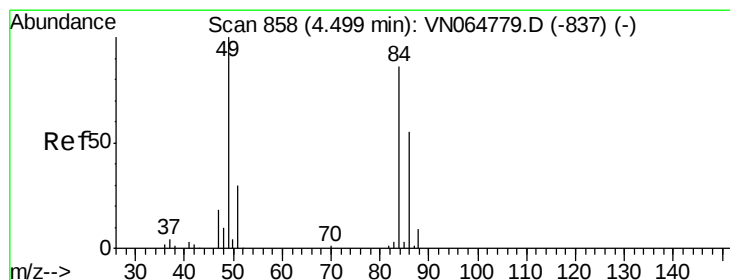
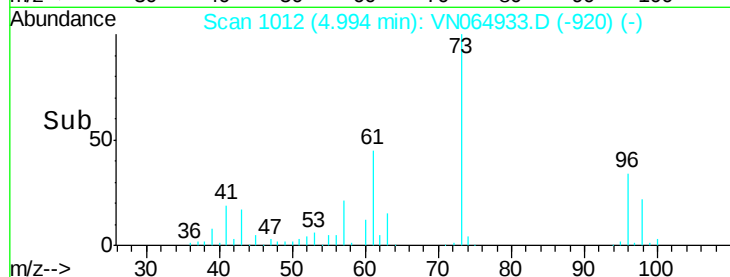
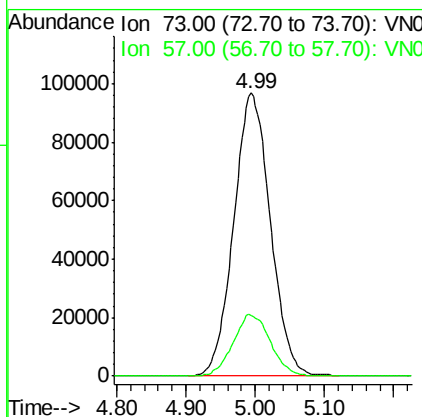
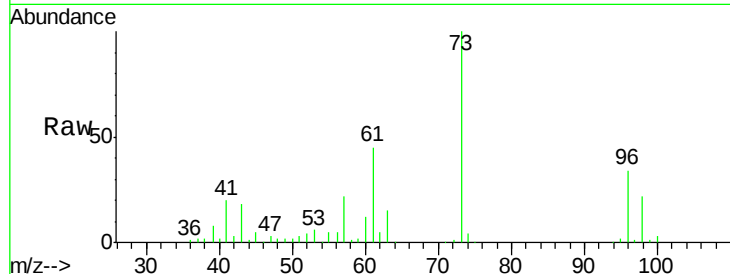
#19
Methvl tert-butvl Ether
Concen: 52.028 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 355976
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0

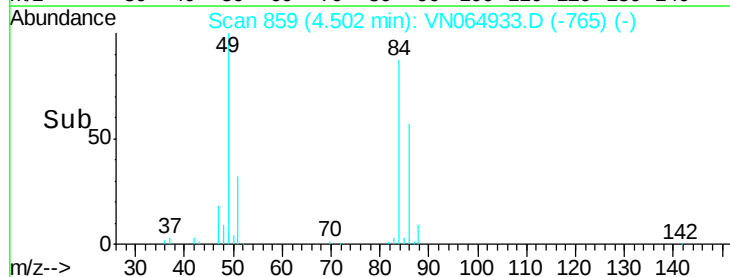
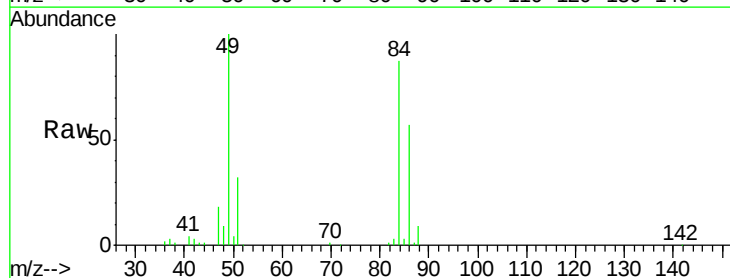
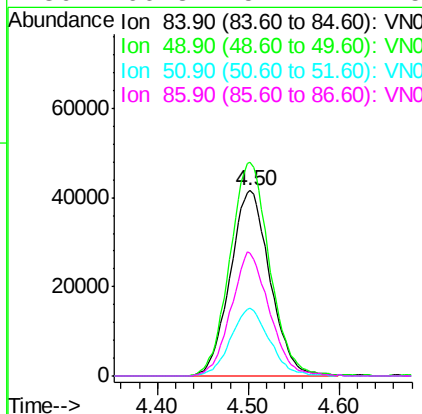
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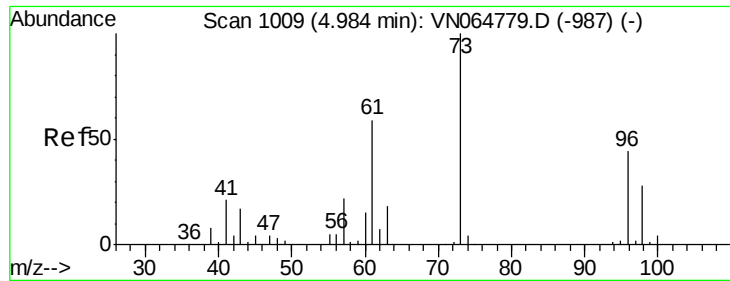
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#20
Methylene Chloride
Concen: 47.949 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion: 84 Resp: 126325
Ion Ratio Lower Upper
84 100
49 115.4 93.4 140.0
51 36.5 28.2 42.4
86 66.3 51.7 77.5





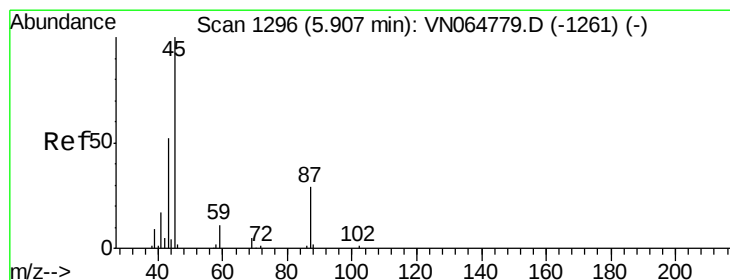
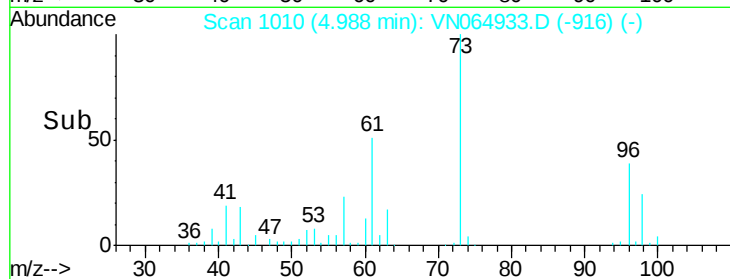
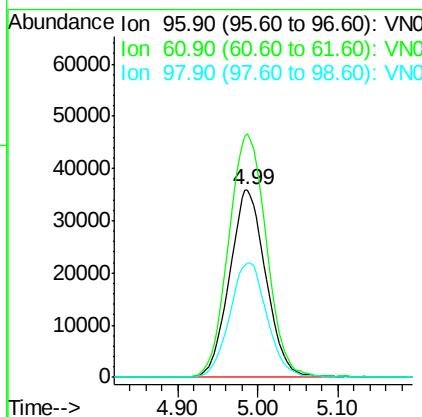
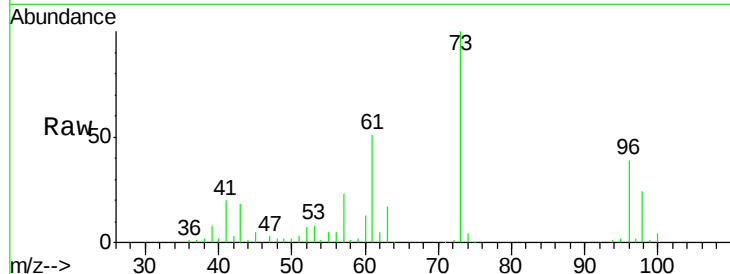
#21
trans-1,2-Dichloroethene
Concen: 46.712 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.8	108.4	162.6
98	60.7	51.3	76.9

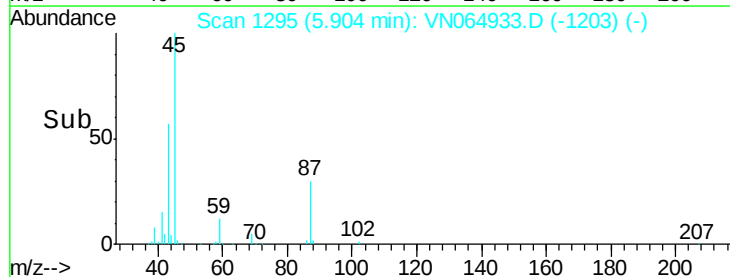
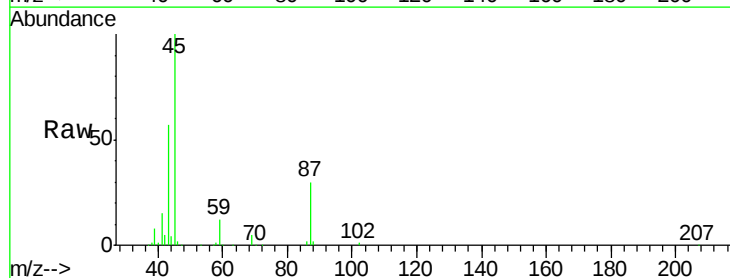
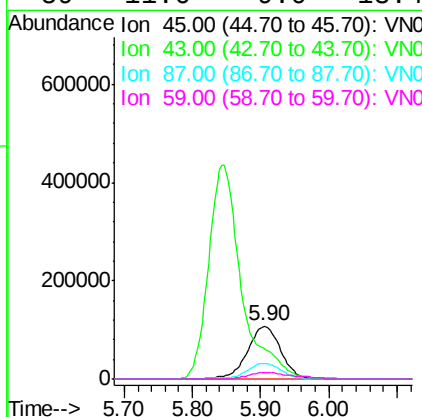
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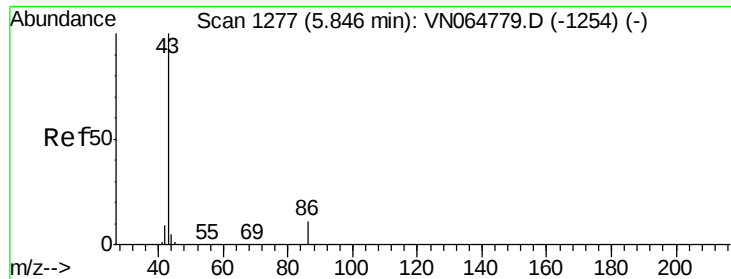
MMDadoda
12/7/2020 10:46:12 AM



#22
Diisopropyl ether
Concen: 51.696 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.0	46.2	69.2
87	29.5	24.1	36.1
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 259.166 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1459591

Ion Ratio Lower Upper

43 100

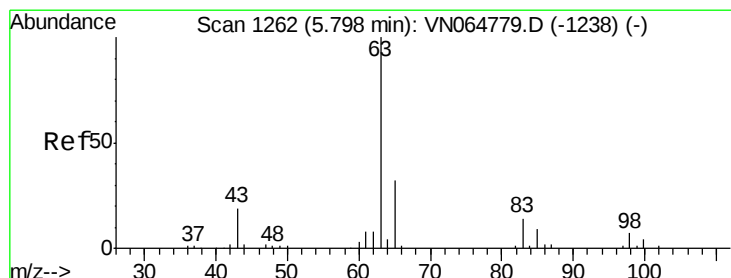
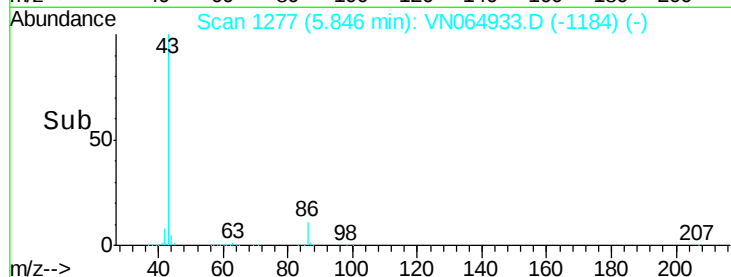
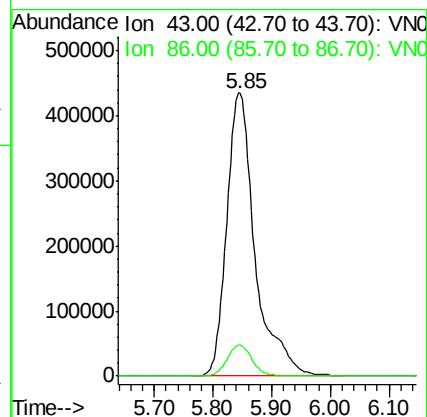
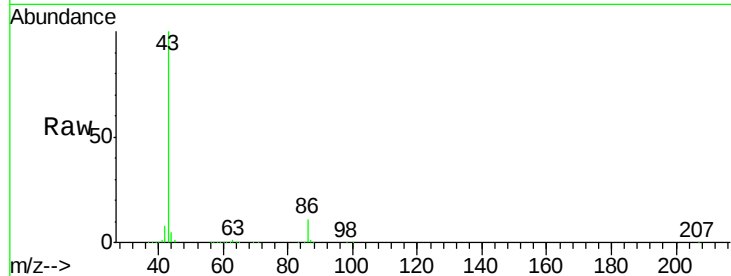
86 11.1 8.9 13.3

Manual Integrations

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MMDadoda

12/7/2020 10:46:12 AM



#24

1,1-Dichloroethane

Concen: 49.964 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

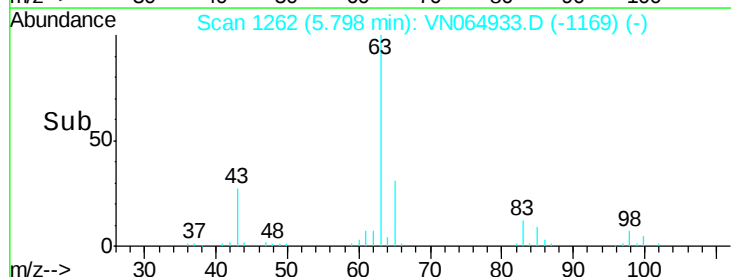
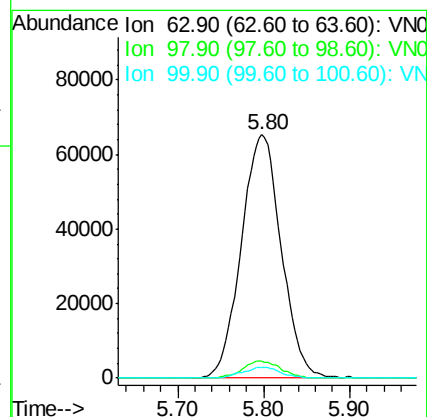
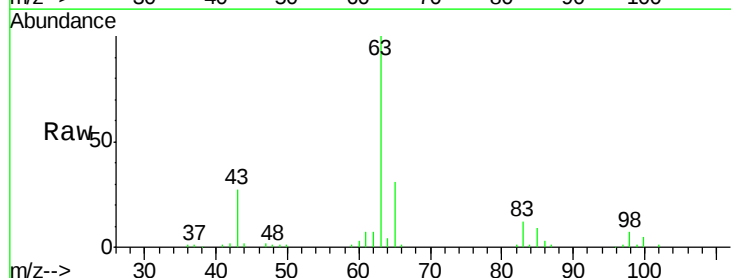
Tgt Ion: 63 Resp: 210297

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.5 2.3 6.8





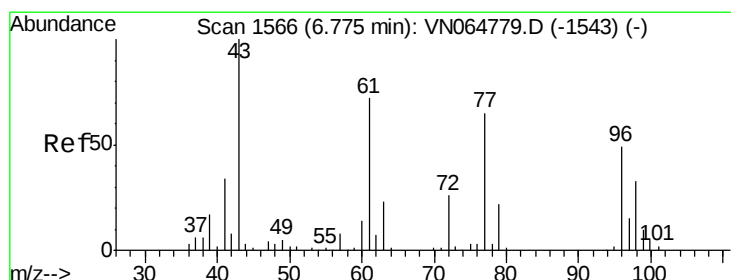
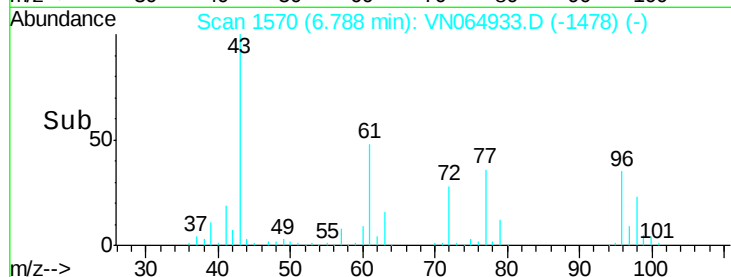
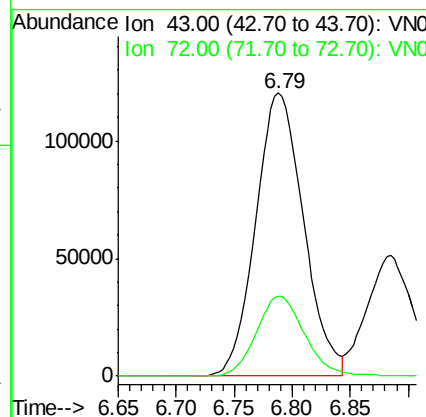
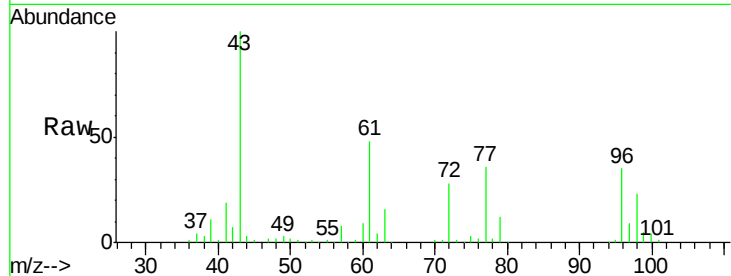
#25
2-Butanone
Concen: 253.844 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 345968
Ion Ratio Lower Upper
43 100
72 28.4 21.0 31.6

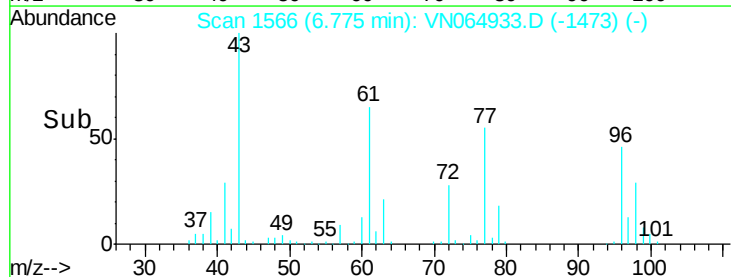
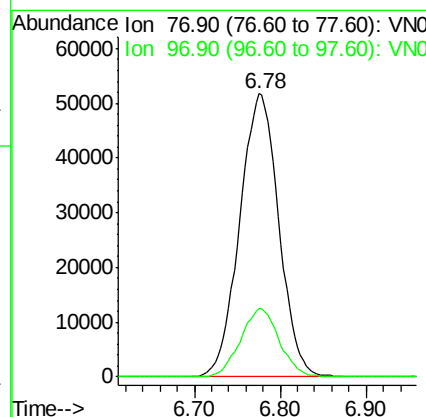
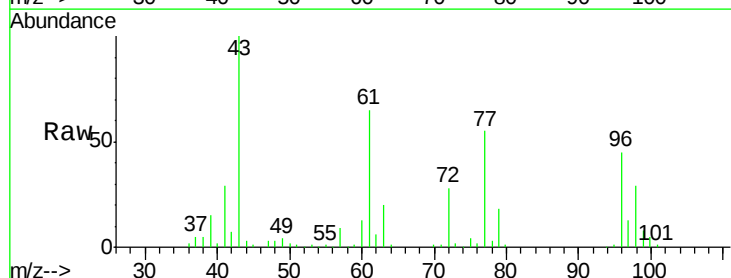
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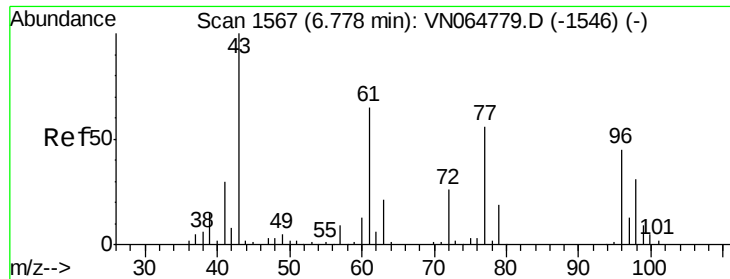
MMDadoda
12/7/2020 10:46:12 AM



#26
2,2-Dichloropropane
Concen: 44.738 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion: 77 Resp: 163316
Ion Ratio Lower Upper
77 100
97 23.8 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 50.250 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

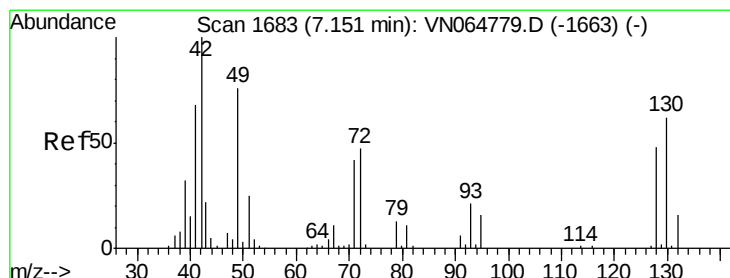
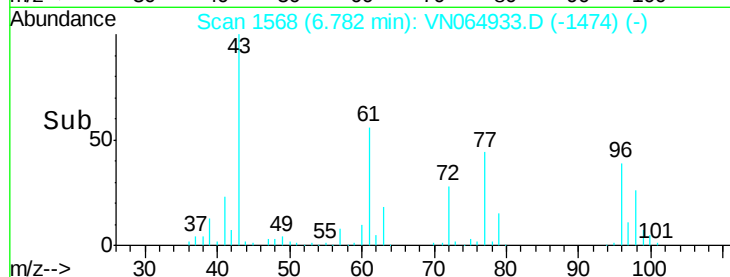
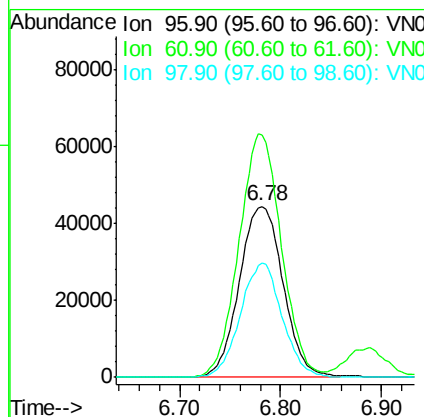
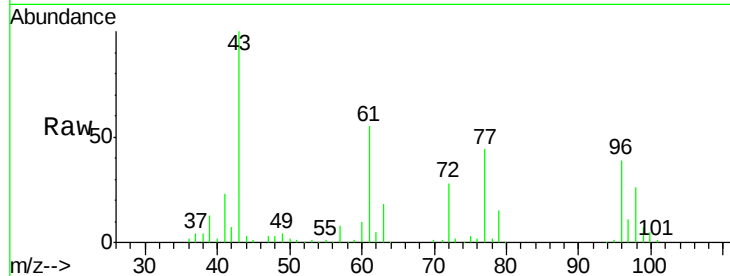
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	133955
Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	285.8
98	64.1	0.0	130.6

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#28

Bromochloromethane

Concen: 52.052 ug/l

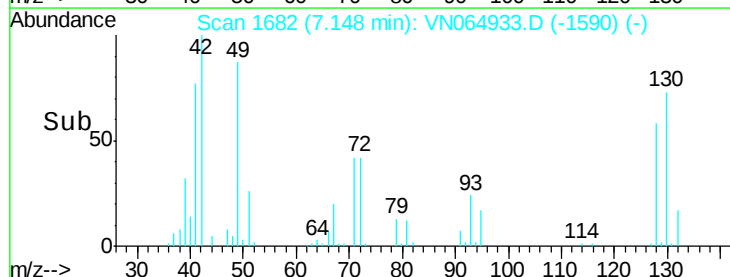
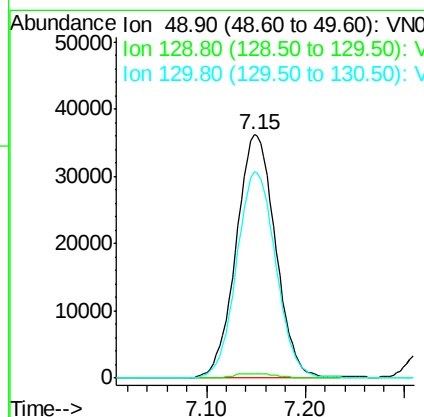
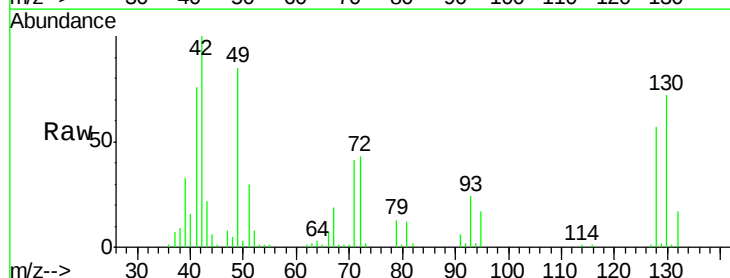
RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Tgt Ion:	49	Resp:	100225
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	84.8	66.2	99.2





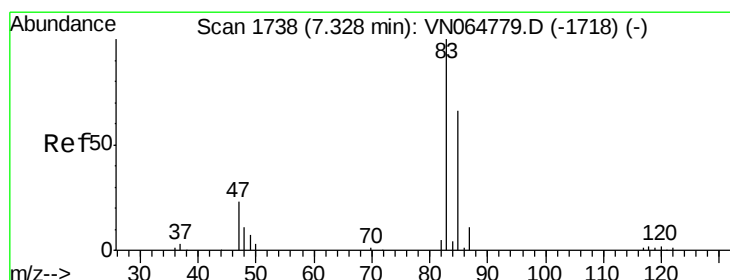
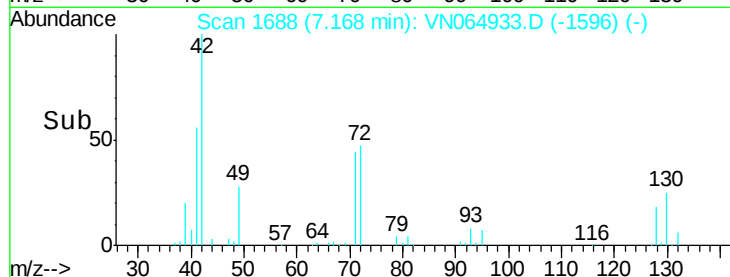
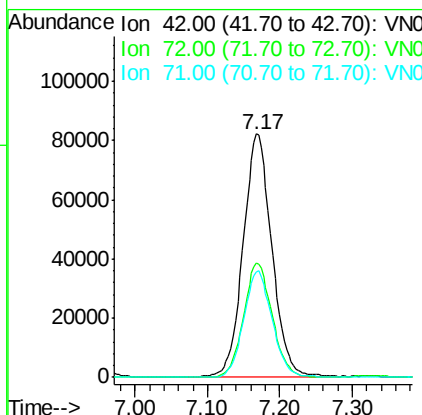
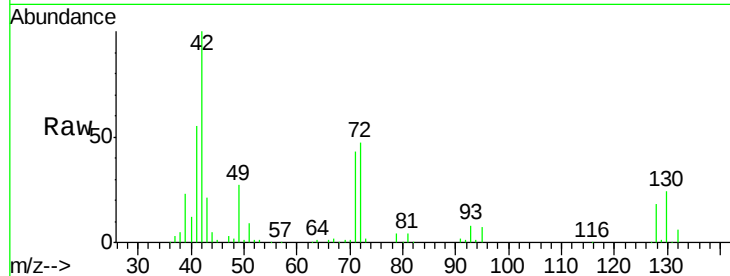
#29
Tetrahydrofuran
Concen: 242.274 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	36.6	54.8
71	43.1	33.6	50.4

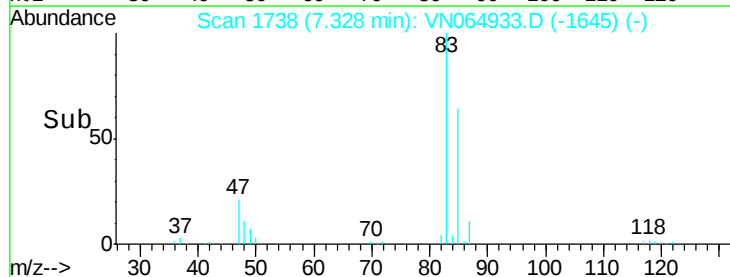
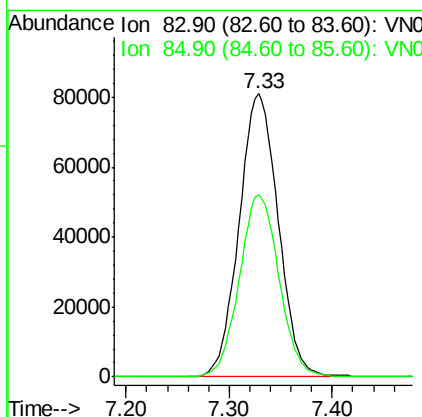
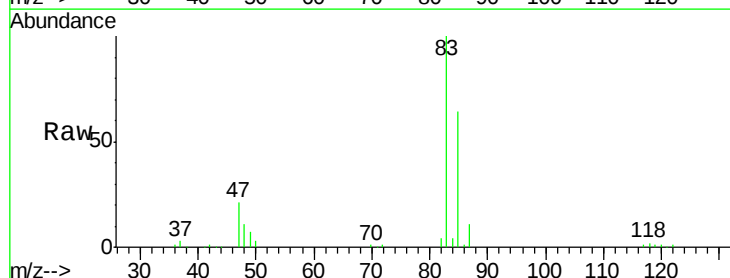
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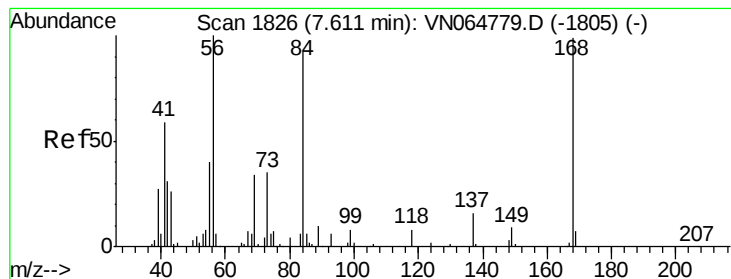
MMDadoda
12/7/2020 10:46:12 AM



#30
Chloroform
Concen: 49.092 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.6	78.8





#31

Cvclohexane

Concen: 45.924 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 163707

Ion Ratio Lower Upper

56 100

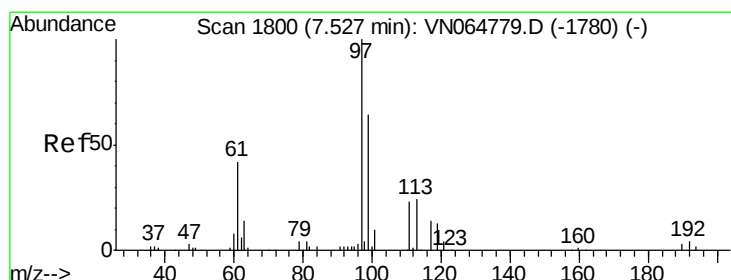
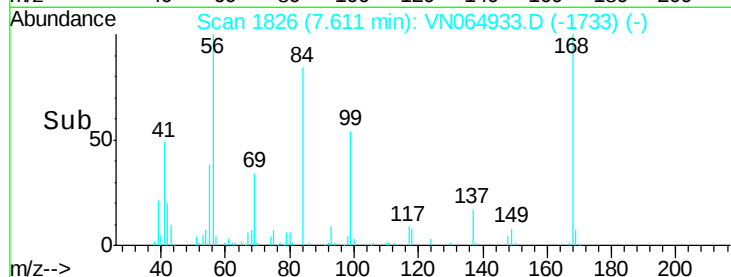
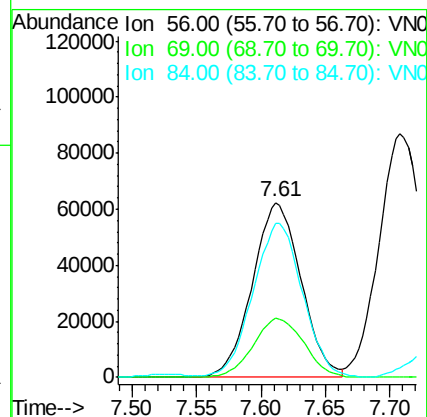
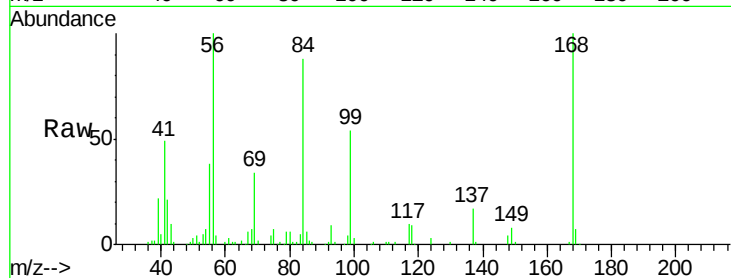
69 33.7 27.5 41.3

84 87.1 73.9 110.9

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#32

1,1,1-Trichloroethane

Concen: 48.461 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

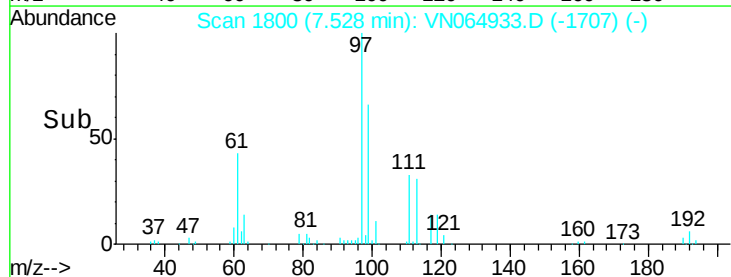
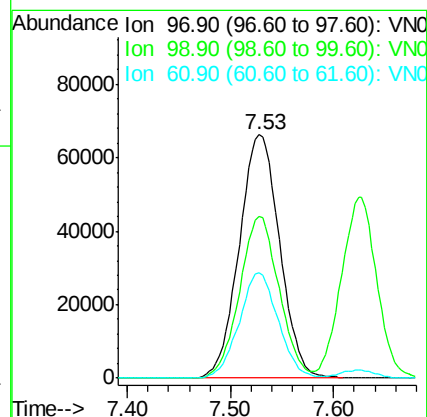
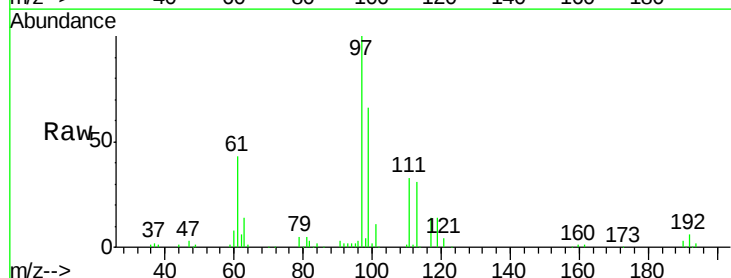
Tgt Ion: 97 Resp: 180657

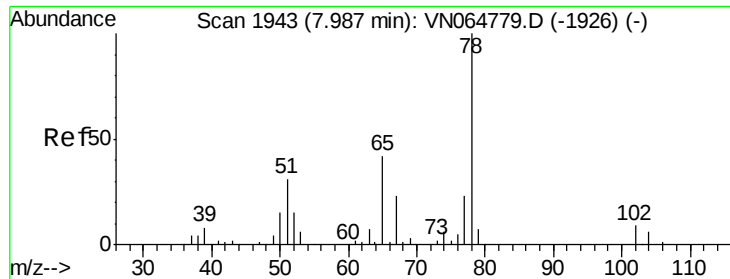
Ion Ratio Lower Upper

97 100

99 64.9 51.7 77.5

61 41.8 33.9 50.9





#33

1,2-Dichloroethane-d4

Concen: 50.389 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 128876

Ion Ratio Lower Upper

65 100

67 55.3

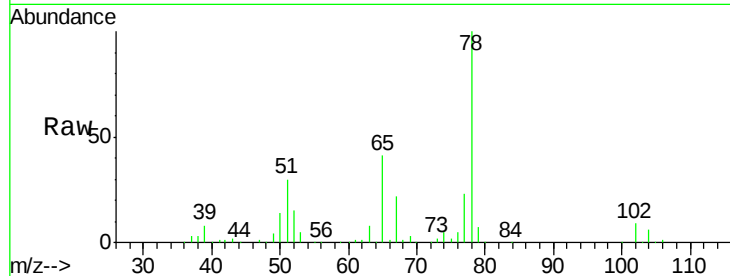
0.0 108.2

Manual Integrations

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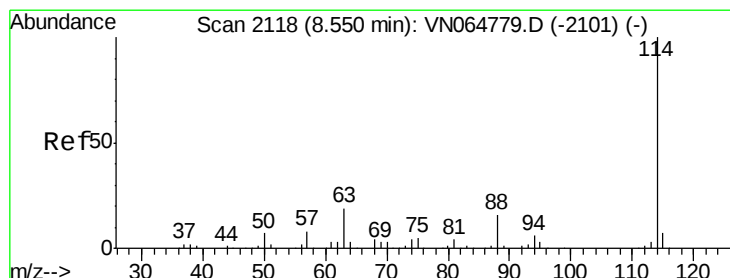
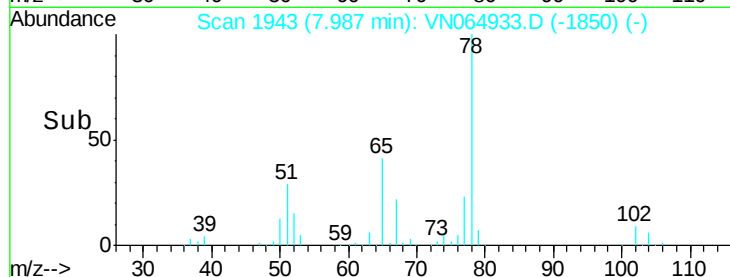
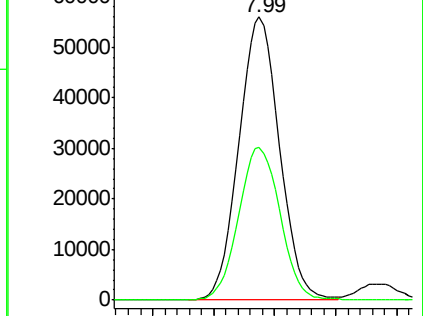
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12/7/2020 10:46:12 AM



Abundance Ion 64.90 (64.60 to 65.60): VN064933.D (-1850) (-)

Ion 66.90 (66.60 to 67.60): VN064933.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Tgt Ion: 114 Resp: 355370

Ion Ratio Lower Upper

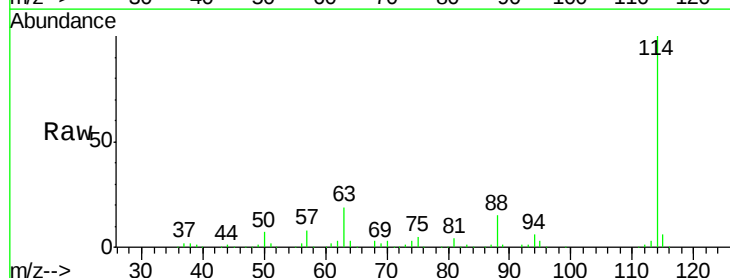
114 100

63 18.8

88 15.4

0.0 38.6

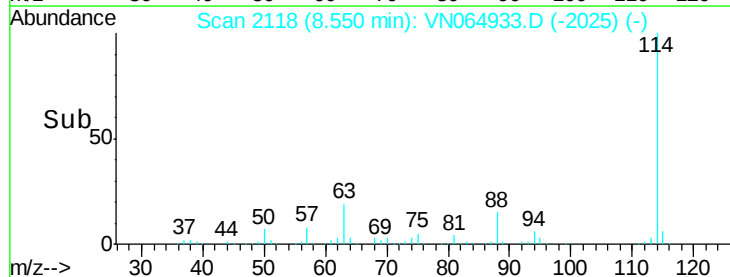
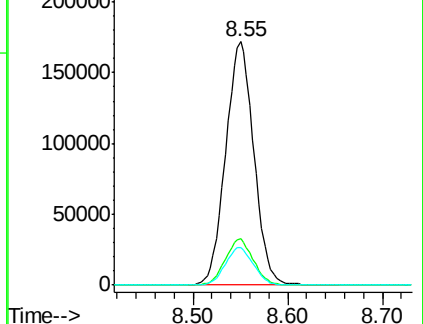
0.0 32.6

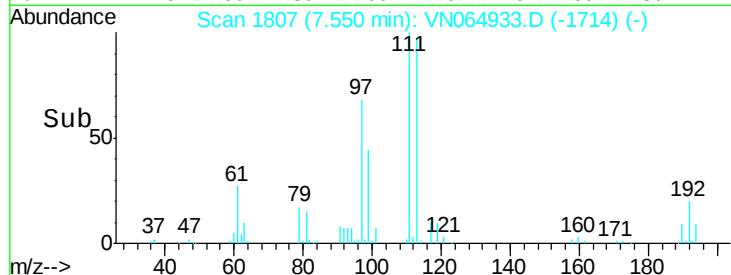
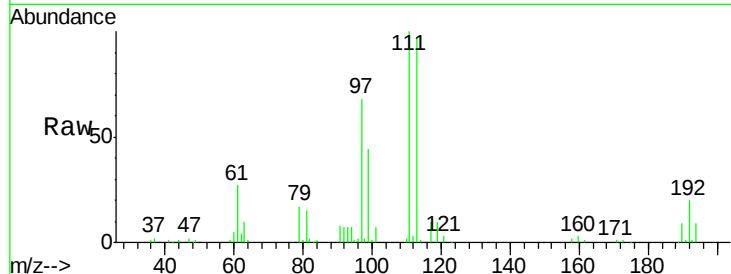
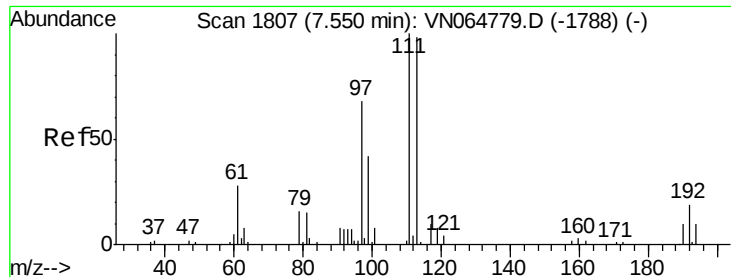


Abundance Ion 113.90 (113.60 to 114.60): VN064933.D (-2025) (-)

Ion 63.00 (62.70 to 63.70): VN064933.D (-2025) (-)

Ion 87.90 (87.60 to 88.60): VN064933.D (-2025) (-)





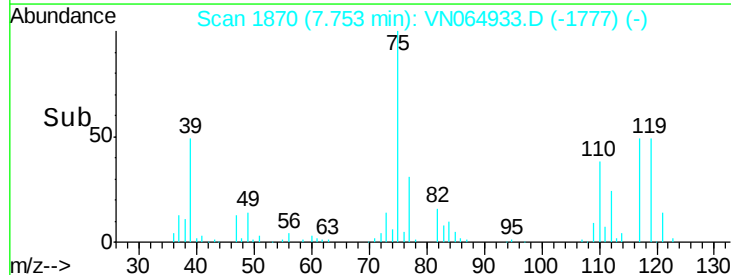
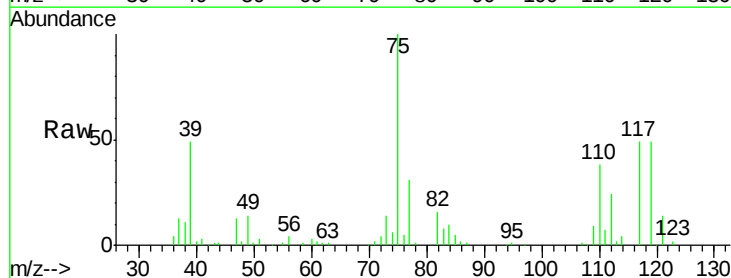
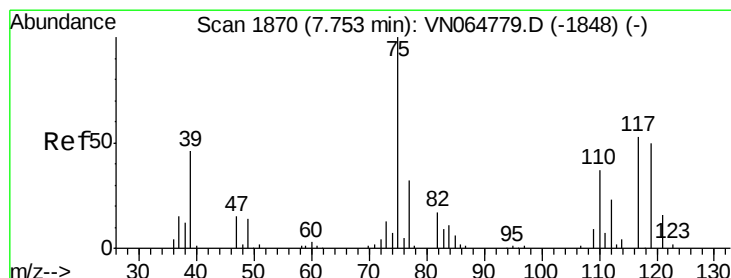
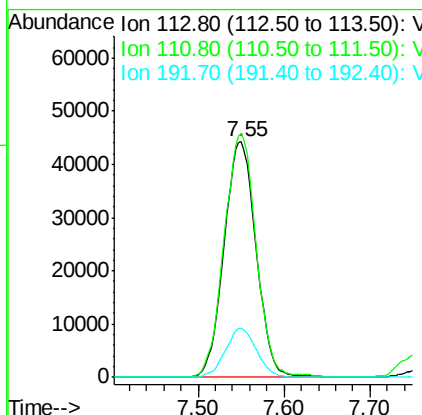
#35
Dibromofluoromethane
Concen: 53.855 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114518		
111	102.9	81.6	122.4	
192	20.3	16.2	24.2	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

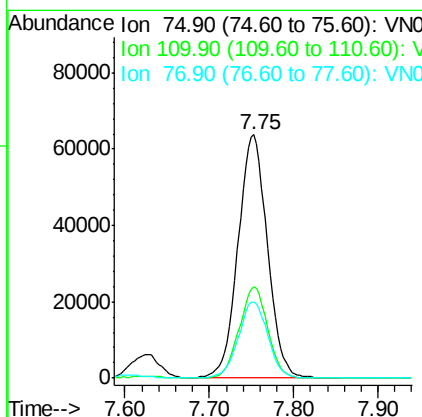
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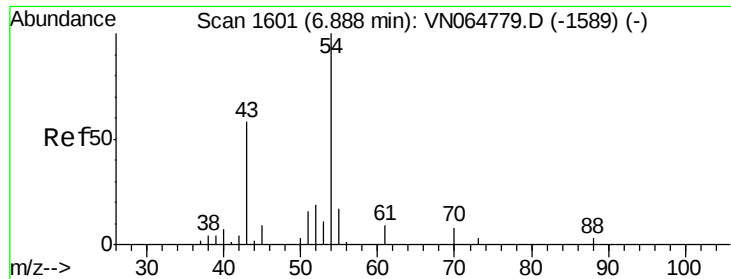
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#36
1,1-Dichloropropene
Concen: 47.020 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	154881		
110	36.4	17.8	53.3	
77	31.6	25.0	37.4	





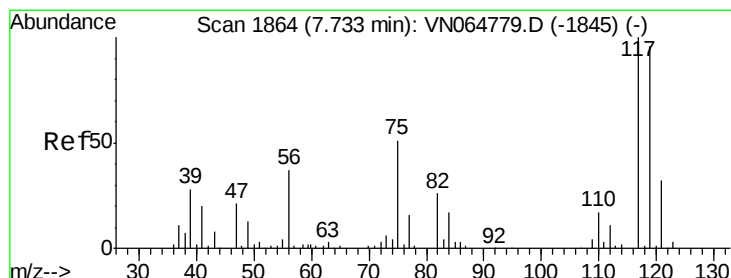
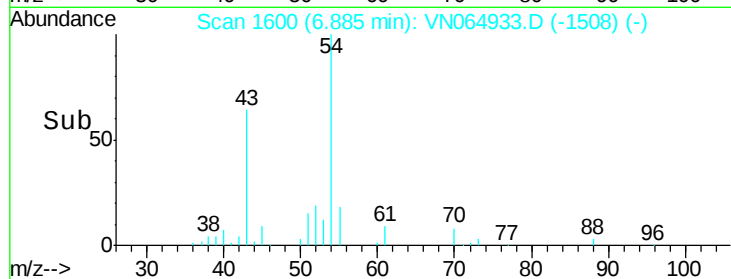
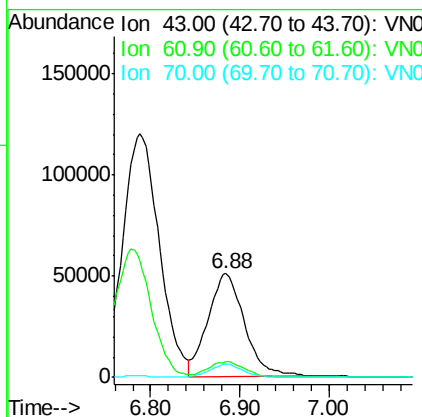
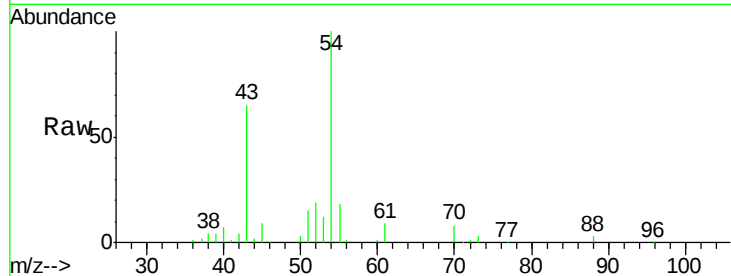
#37
Ethyl Acetate
Concen: 46.037 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.8	19.2
70	11.7	8.8	13.2

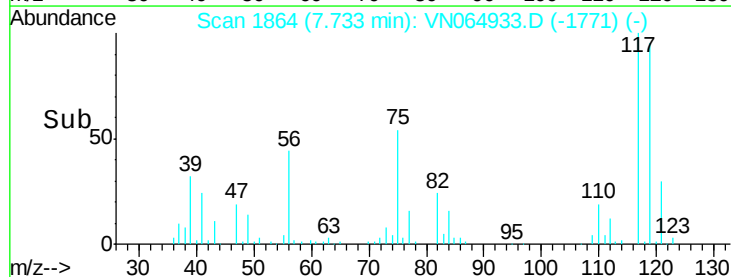
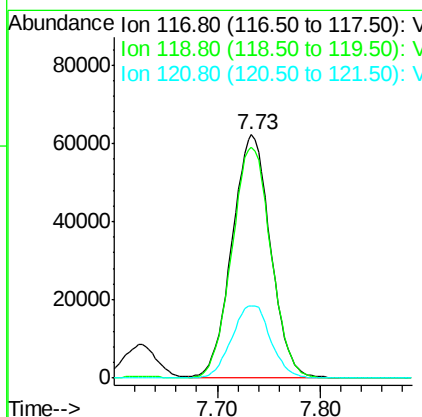
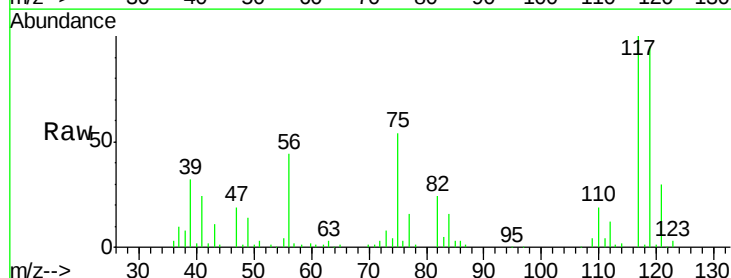
Manual Integrations
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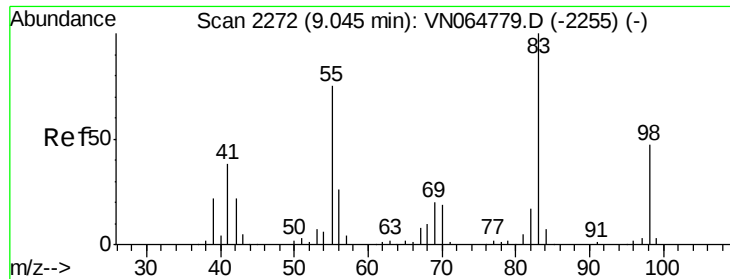
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#38
Carbon Tetrachloride
Concen: 47.088 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.7	115.1
121	29.8	25.4	38.2





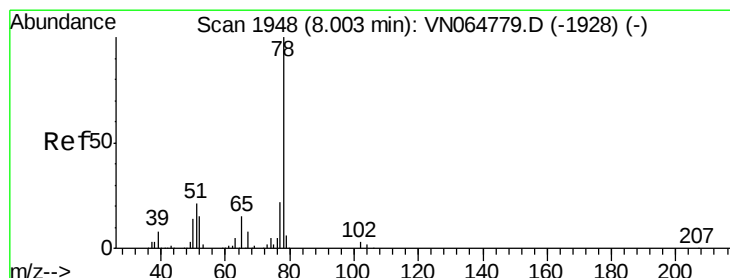
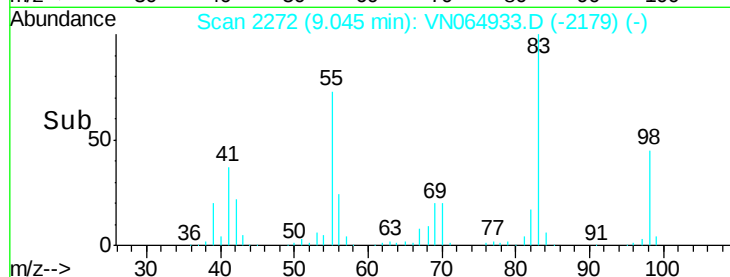
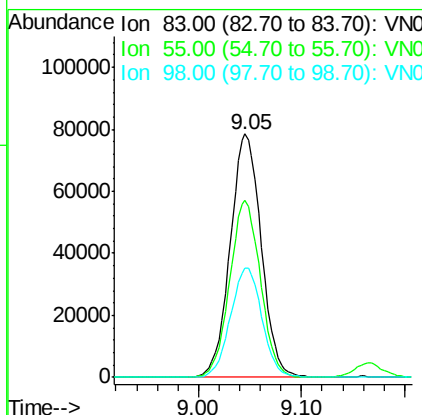
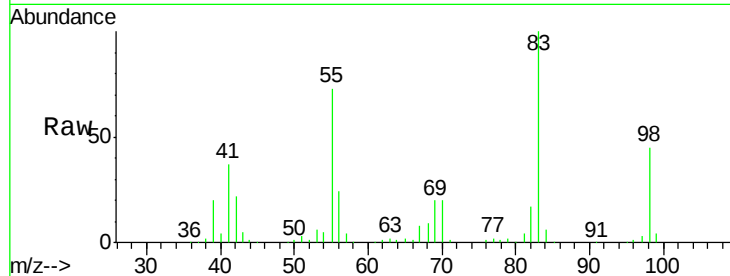
#39
Methylvlcyclohexane
Concen: 46.365 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	164408
Ion Ratio	100	Lower	Upper
83	100		
55	72.6	60.2	90.2
98	44.7	37.4	56.2

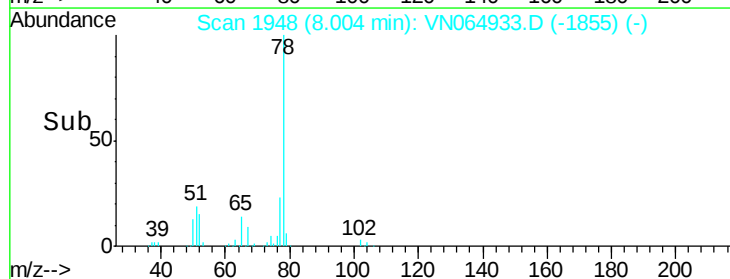
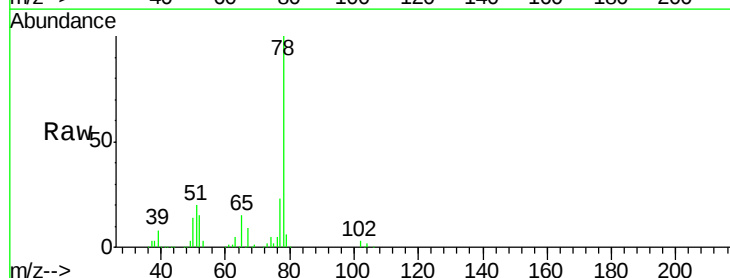
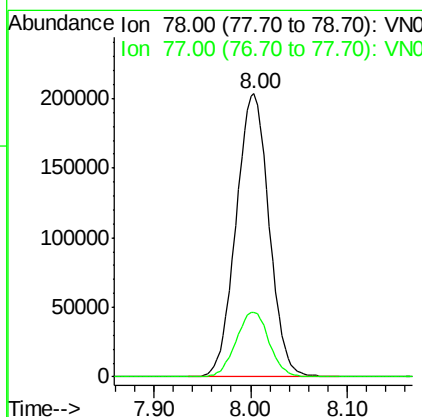
Manual Integrations
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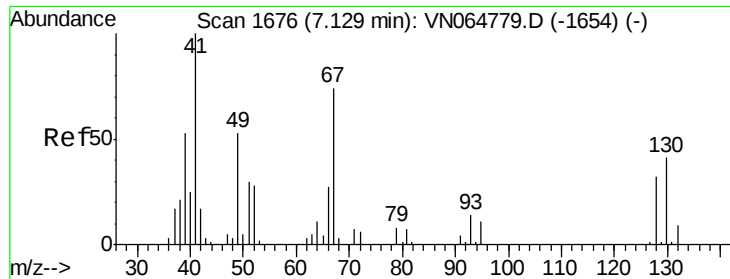
MMDadoda
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#40
Benzene
Concen: 47.868 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	78	Resp	483165
Ion Ratio	100	Lower	Upper
78	100		
77	22.9	17.9	26.9





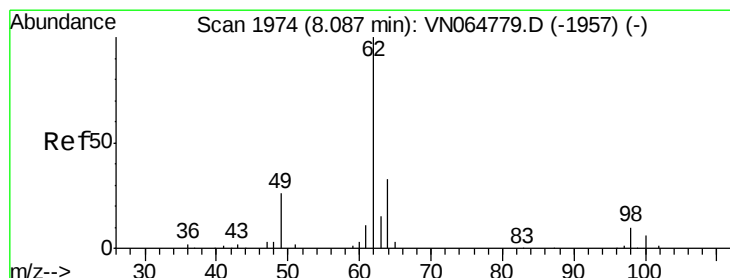
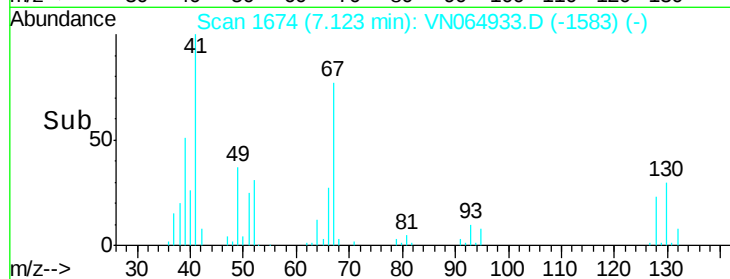
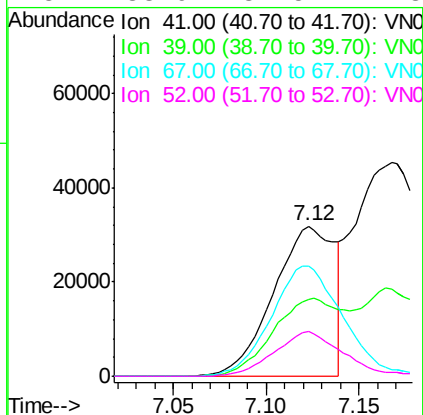
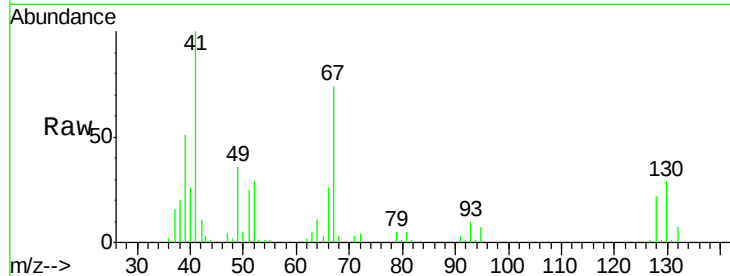
#41
Methacrylonitrile
Concen: 49.885 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:	41	Resp:	73034
Ion	Ratio	Lower	Upper
41	100		
39	59.8	51.0	76.6
67	87.2	79.8	119.8
52	33.9	31.5	47.3

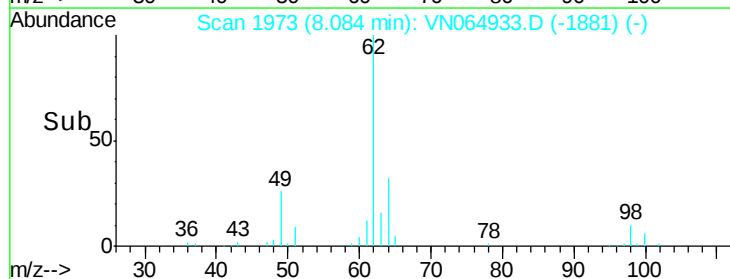
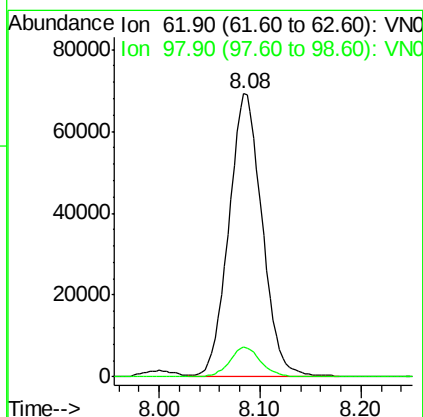
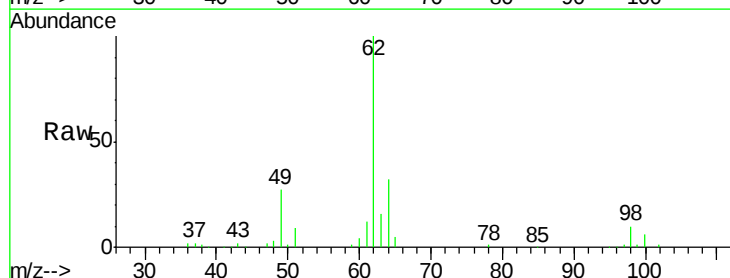
Manual Integrations
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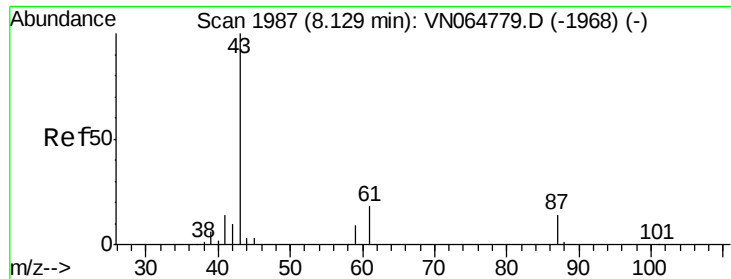
MMDadoda
12/7/2020 10:46:12 AM



#42
1,2-Dichloroethane
Concen: 46.480 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion:	62	Resp:	158267
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6





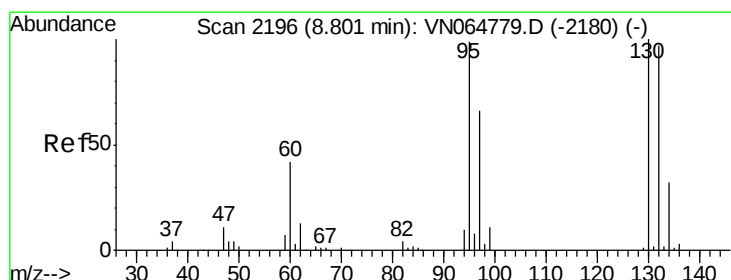
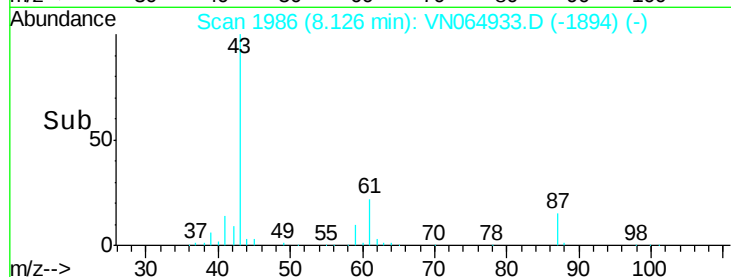
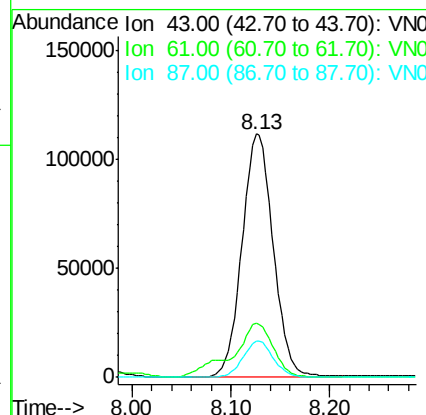
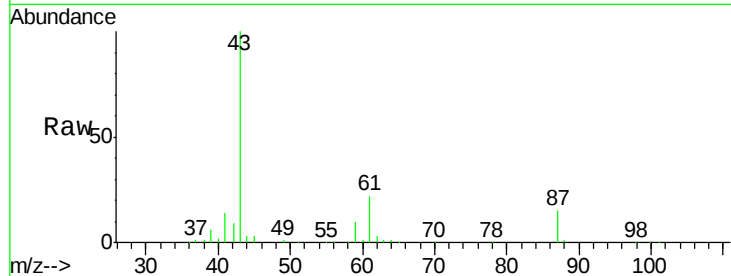
#43
Isopropyl Acetate
Concen: 48.075 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.8	17.2	25.8
87	14.3	11.4	17.0

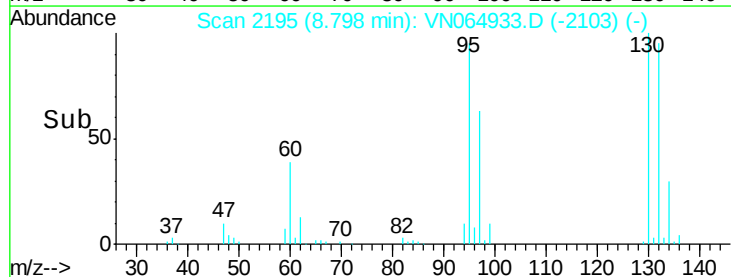
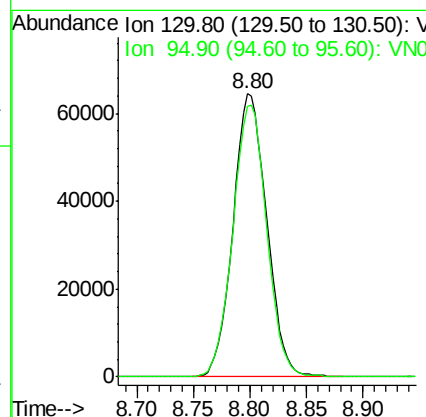
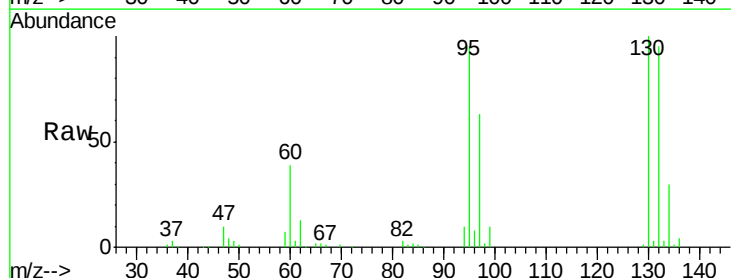
Manual Integrations
APPROVED

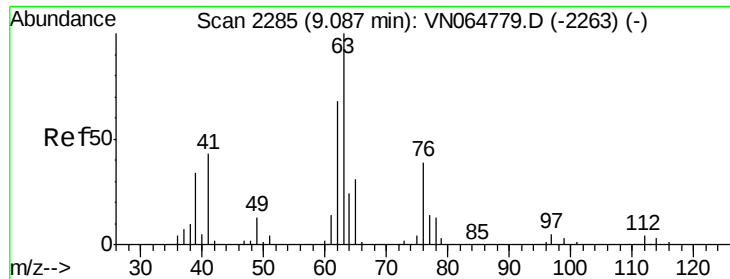
MMDadoda
12/7/2020 10:46:12 AM



#44
Trichloroethene
Concen: 44.954 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	197.8





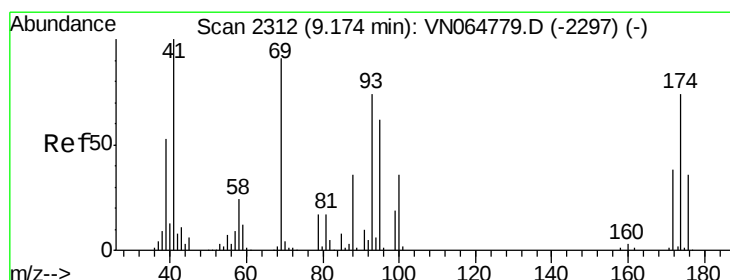
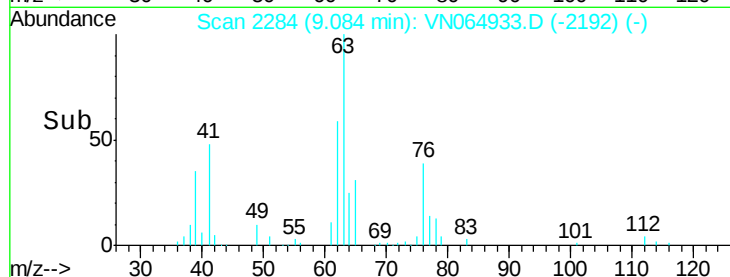
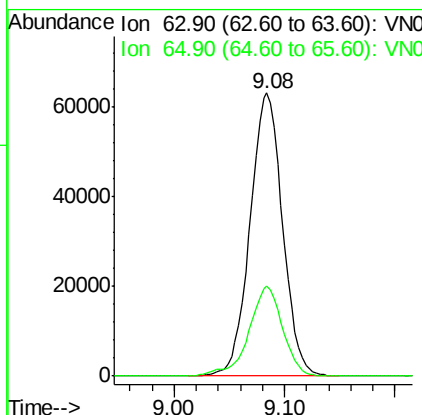
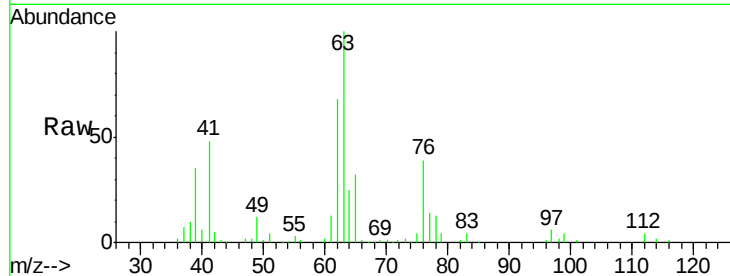
#45
 1,2-Dichloropropane
 Concen: 49.433 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 129216
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.4

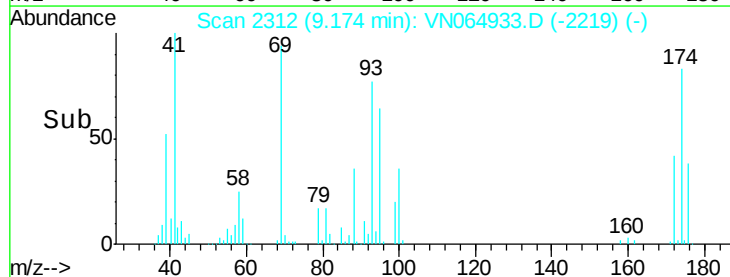
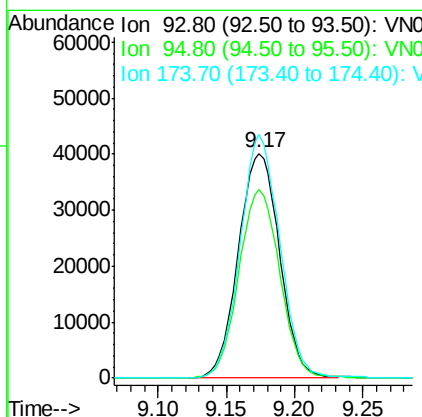
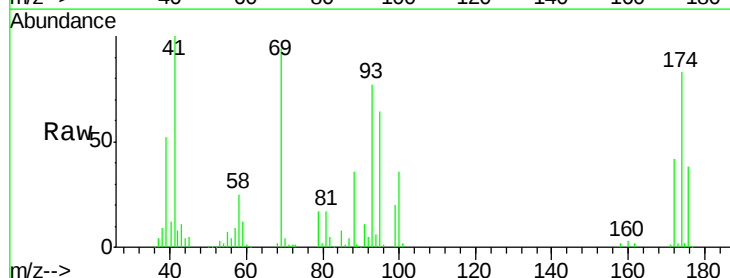
Manual Integrations
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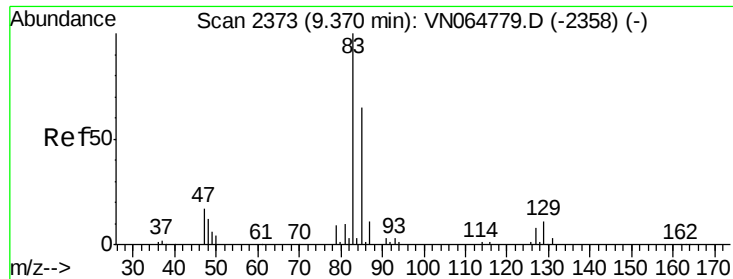
MMDadoda
 12/7/2020 10:46:12 AM



#46
 Dibromomethane
 Concen: 48.216 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Tgt Ion: 93 Resp: 84200
 Ion Ratio Lower Upper
 93 100
 95 83.5 68.8 103.2
 174 103.9 83.1 124.7





#47

Bromodichloromethane

Concen: 48.390 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

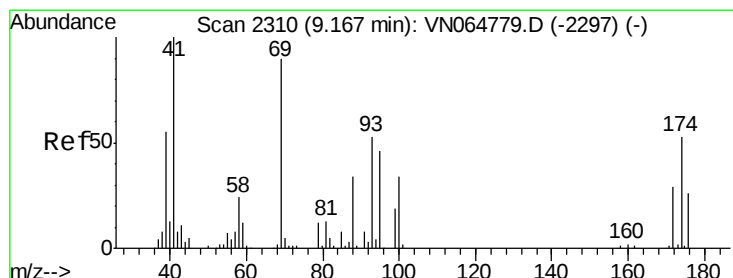
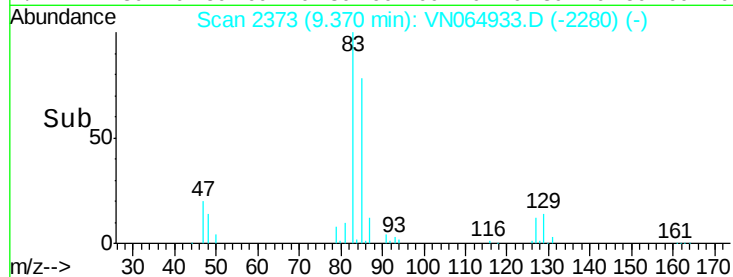
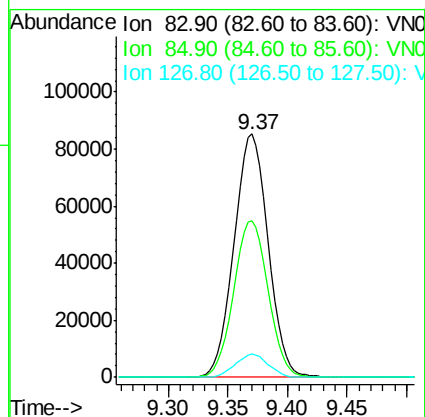
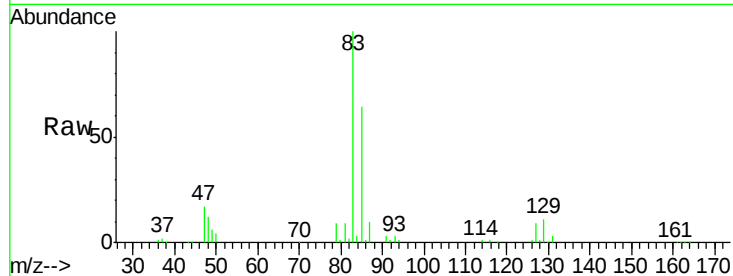
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	170030
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.8	77.8
127	9.5	6.8	10.2

Manual Integrations
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MMDadoda
12/7/2020 10:46:12 AM



#48

Methyl methacrylate

Concen: 49.702 ug/l

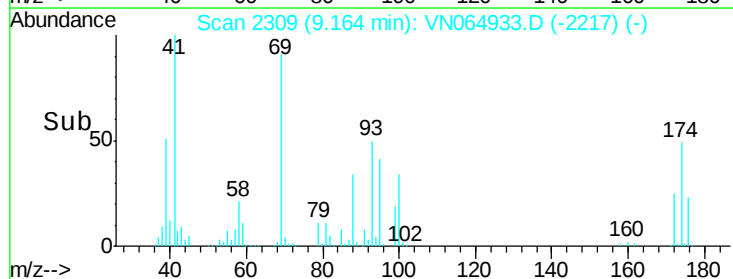
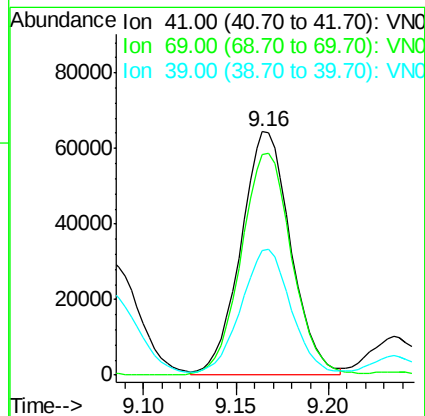
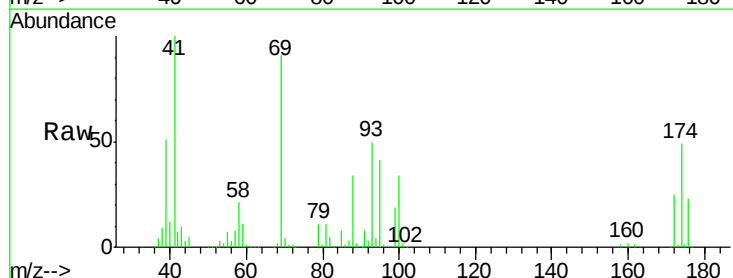
RT: 9.16 min Scan# 2309

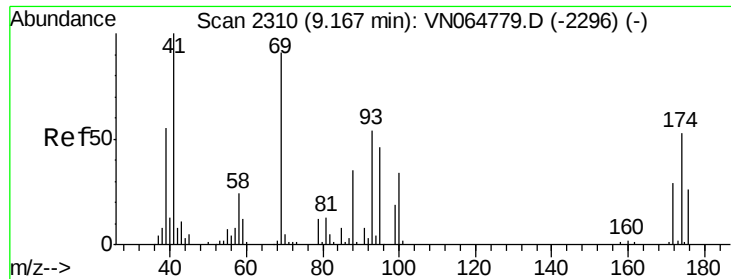
Delta R.T. -0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Tgt Ion:	41	Resp:	121256
Ion Ratio	Lower	Upper	
41	100		
69	92.3	71.8	107.8
39	52.1	44.1	66.1





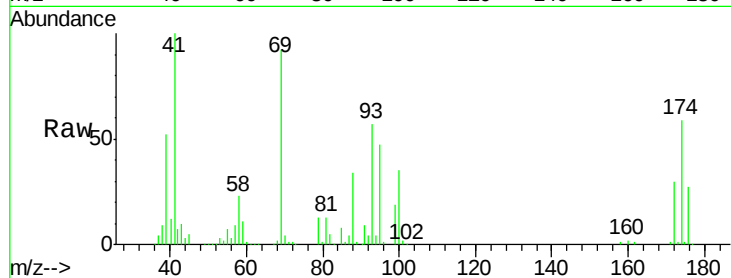
#49
1,4-Dioxane
Concen: 958.793 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	24.2	36.4
58	67.3	52.5	78.7

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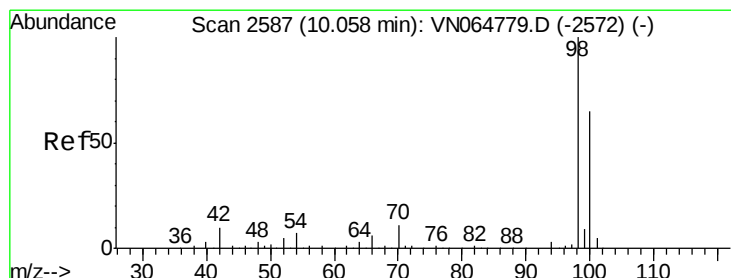
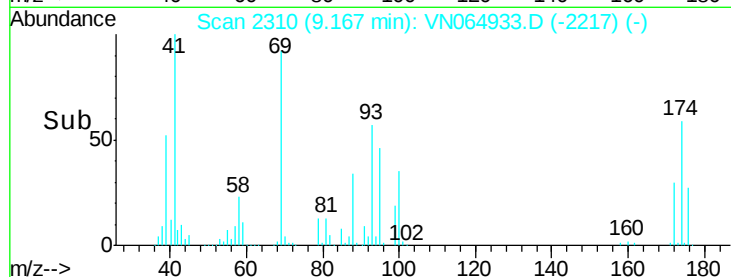
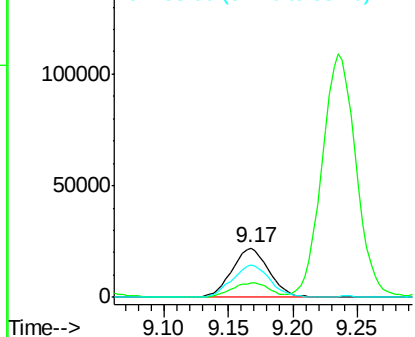


Abundance

Ion 88.00 (87.70 to 88.70): VN064933.D (-2217) (-)

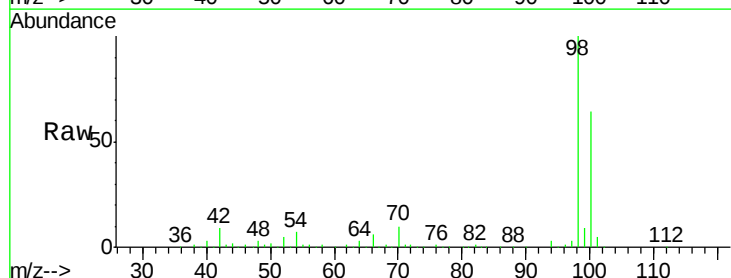
Ion 43.00 (42.70 to 43.70): VN064933.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN064933.D (-2217) (-)



#50
Toluene-d8
Concen: 50.931 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

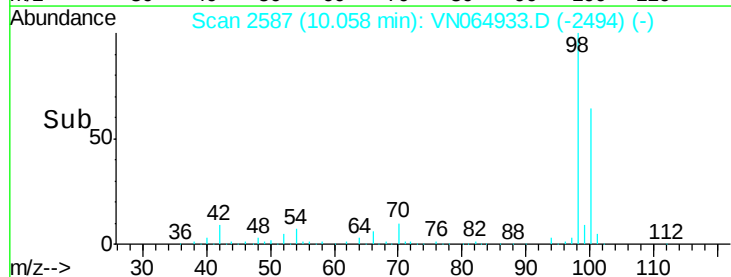
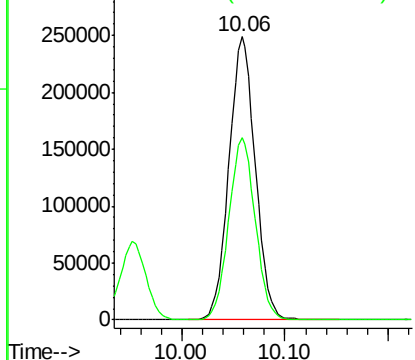
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5

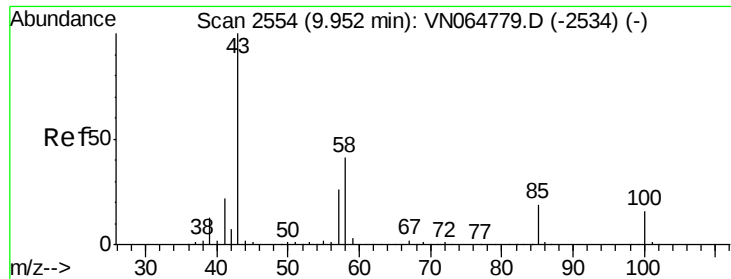


Abundance

Ion 98.00 (97.70 to 98.70): VN064933.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN064933.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 240.987 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 738663

Ion Ratio Lower Upper

43 100

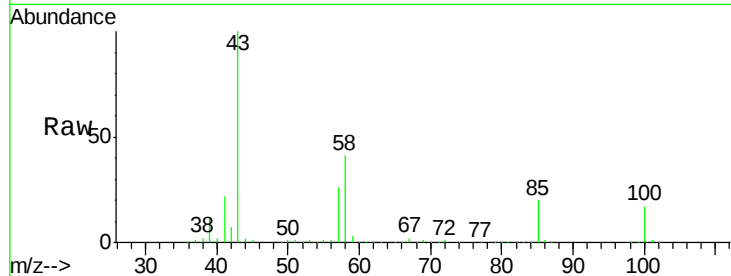
58 41.0 32.4 48.6

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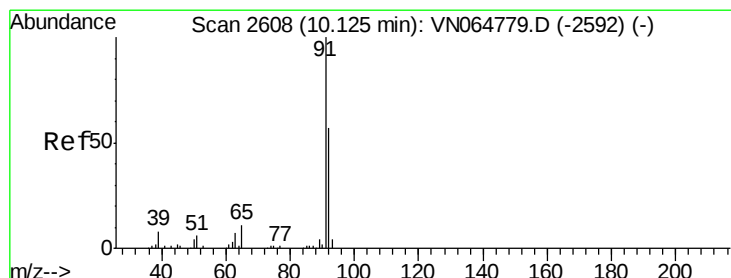
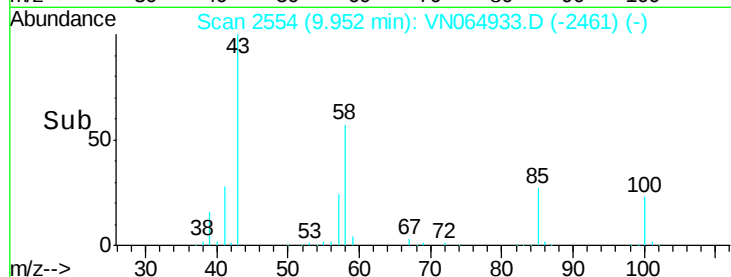
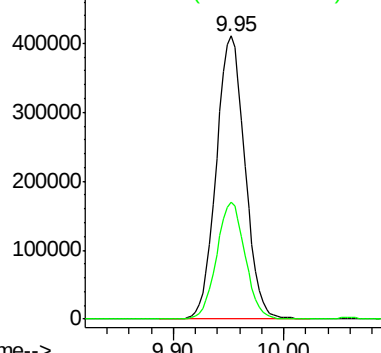
MMDadoda

12/7/2020 10:46:12 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.462 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064933.D

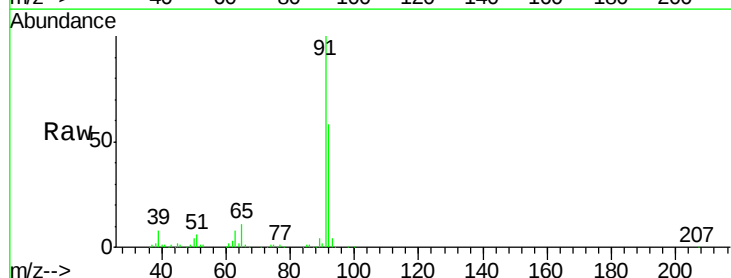
Acq: 4 Dec 2020 20:55

Tgt Ion: 92 Resp: 301243

Ion Ratio Lower Upper

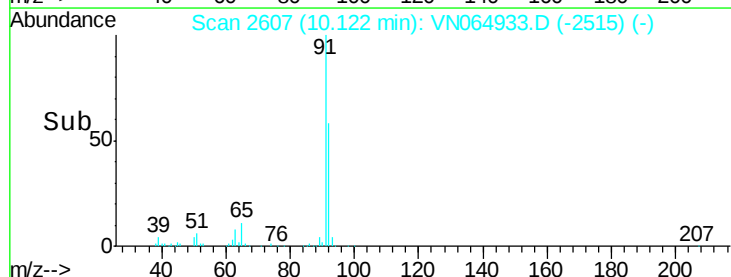
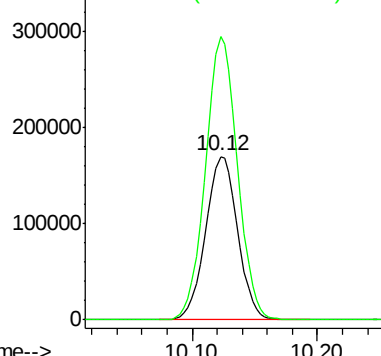
92 100

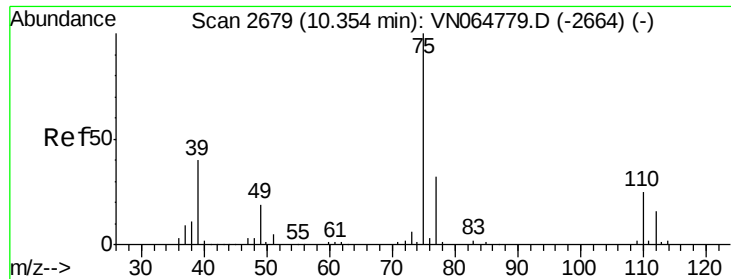
91 172.8 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





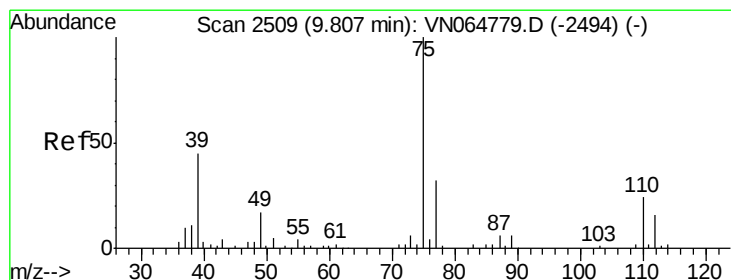
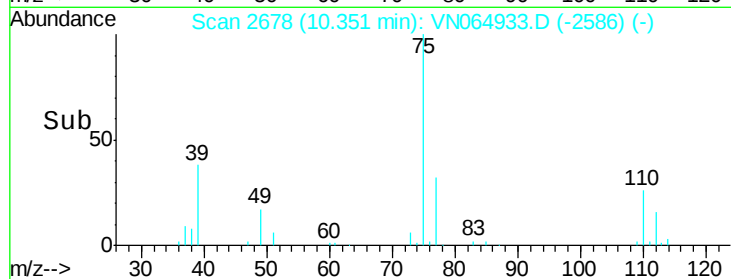
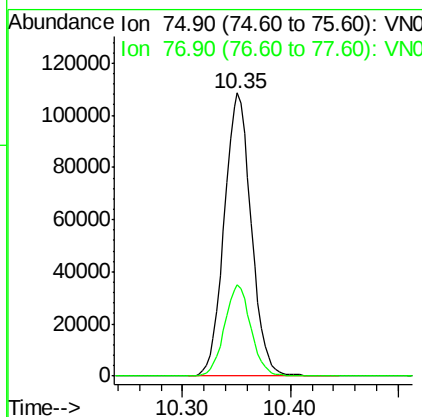
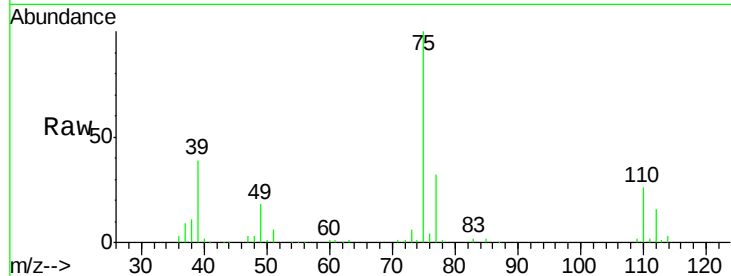
#53
t-1,3-Dichloropropene
Concen: 48.346 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 189207
Ion Ratio Lower Upper
75 100
77 32.0 25.8 38.6

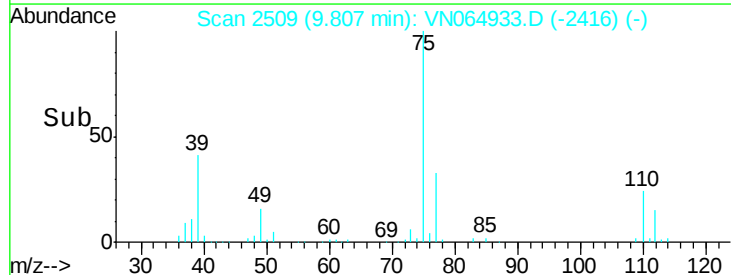
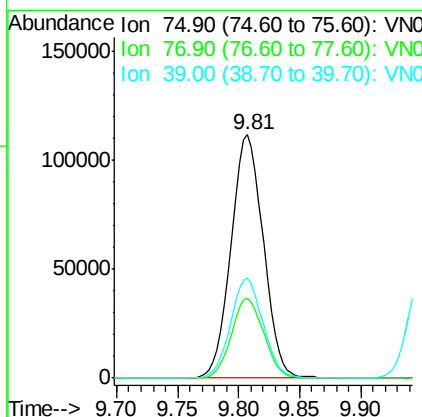
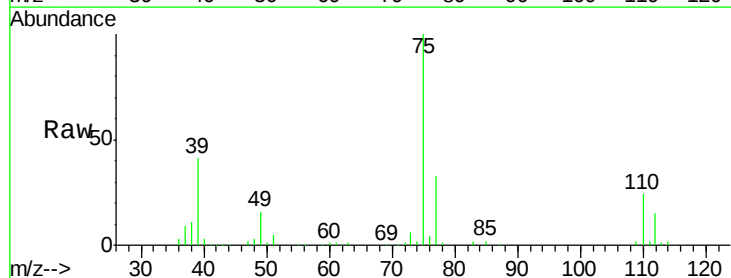
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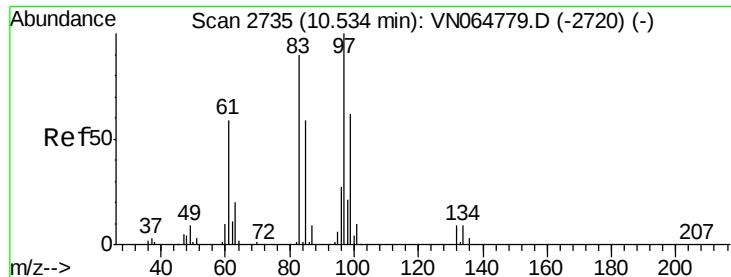
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12/7/2020 10:46:12 AM



#54
cis-1,3-Dichloropropene
Concen: 49.139 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion: 75 Resp: 206130
Ion Ratio Lower Upper
75 100
77 32.7 25.5 38.3
39 40.9 35.6 53.4





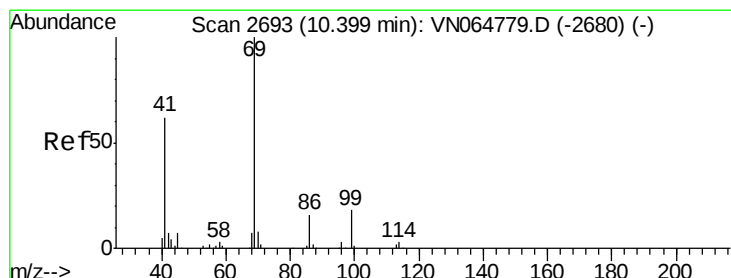
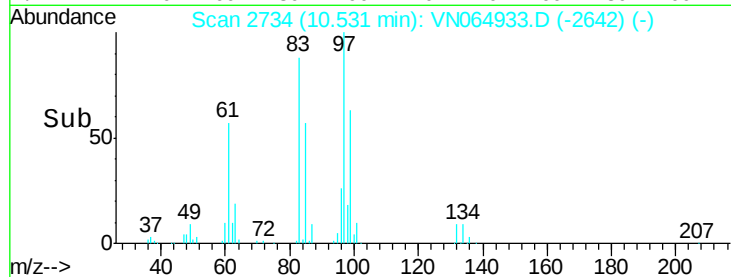
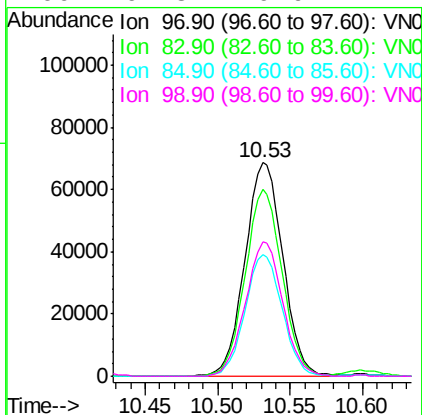
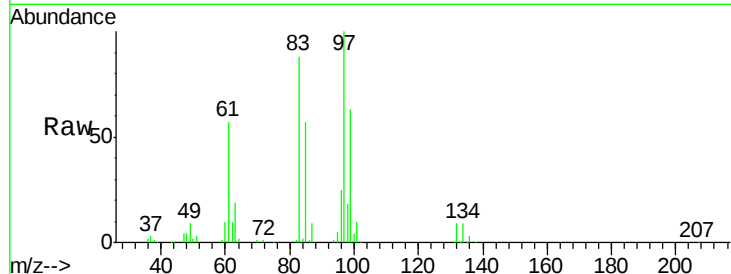
#55
 1,1,2-Trichloroethane
 Concen: 48.897 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	124988
Ion	Ratio	Lower	Upper
97	100		
83	87.6	72.1	108.1
85	56.8	46.8	70.2
99	62.8	49.6	74.4

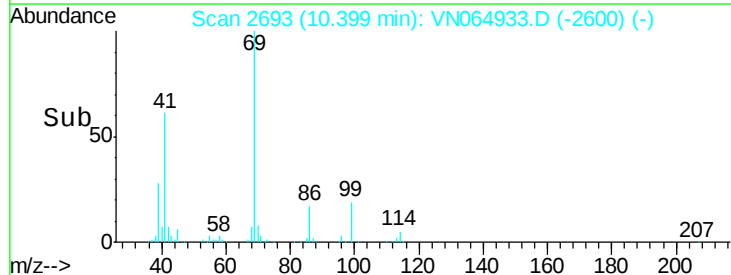
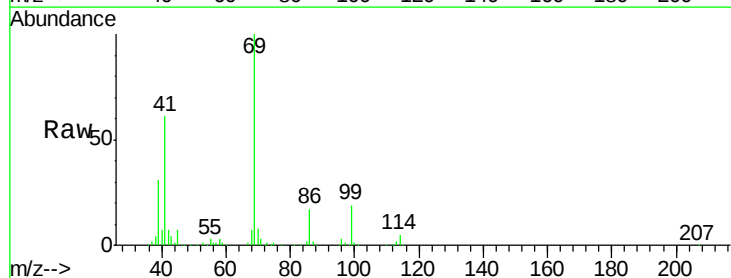
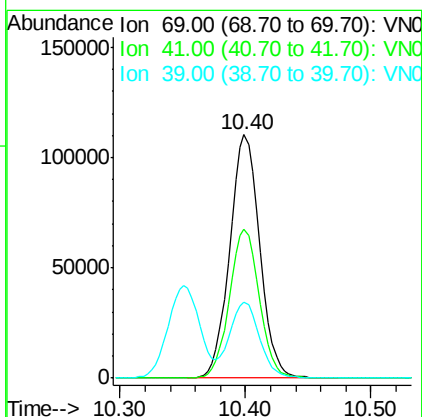
Manual Integrations
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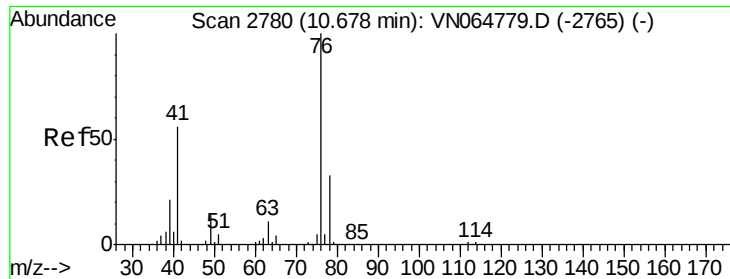
MMDadoda
 12/7/2020 10:46:12 AM



#56
 Ethyl methacrylate
 Concen: 51.923 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Tgt Ion:	69	Resp:	183153
Ion	Ratio	Lower	Upper
69	100		
41	60.5	49.4	74.0
39	31.1	25.9	38.9





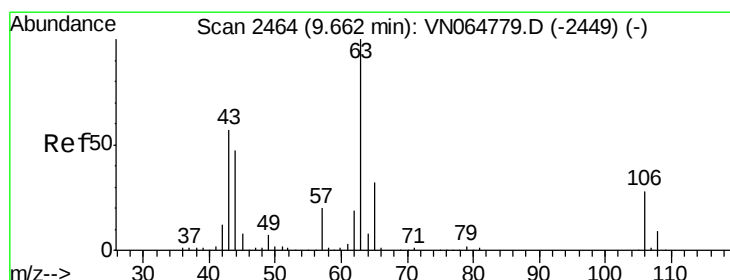
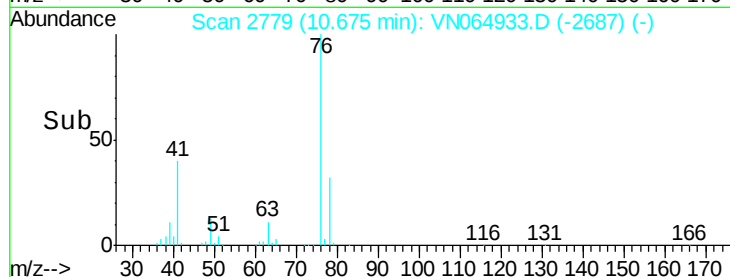
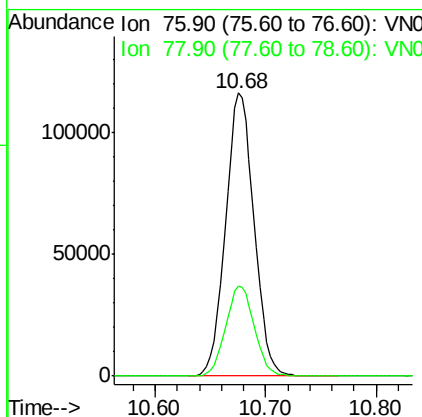
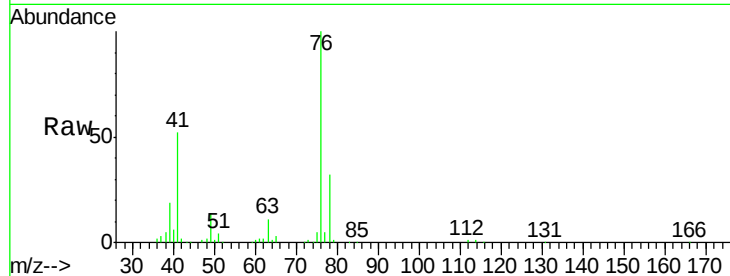
#57
 1,3-Dichloropropane
 Concen: 49.213 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 76 Resp: 207511
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

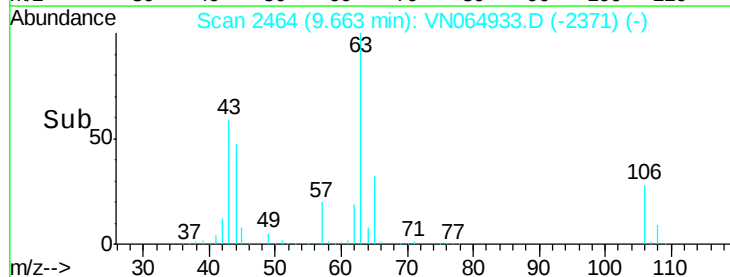
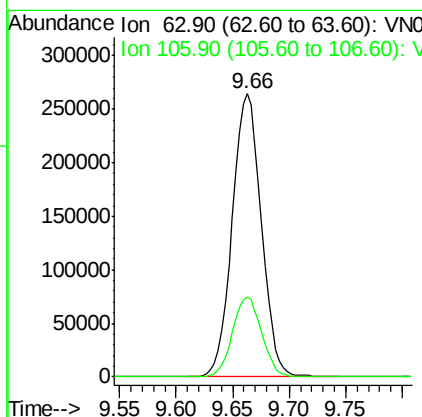
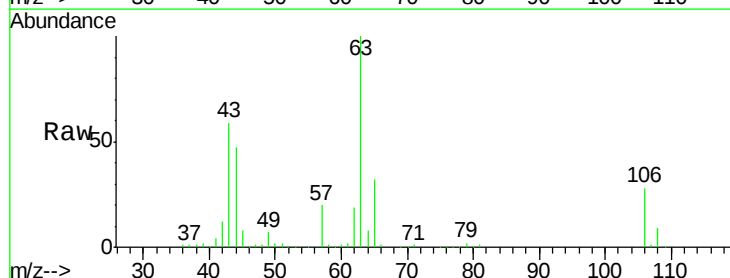
Manual Integrations
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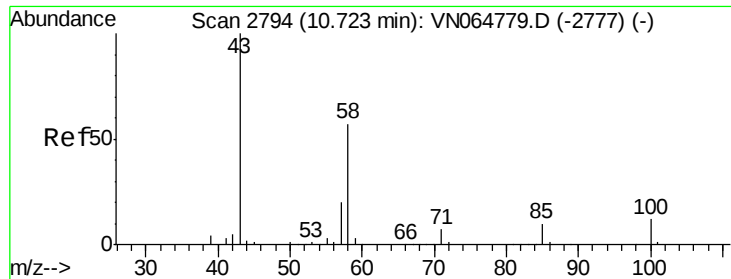
MMDadoda
 12/7/2020 10:46:12 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.147 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Tgt Ion: 63 Resp: 473719
 Ion Ratio Lower Upper
 63 100
 106 28.2 22.7 34.1





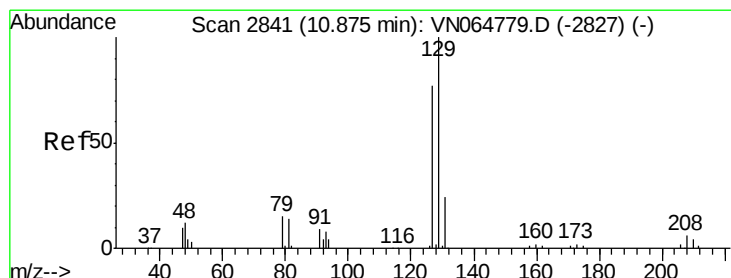
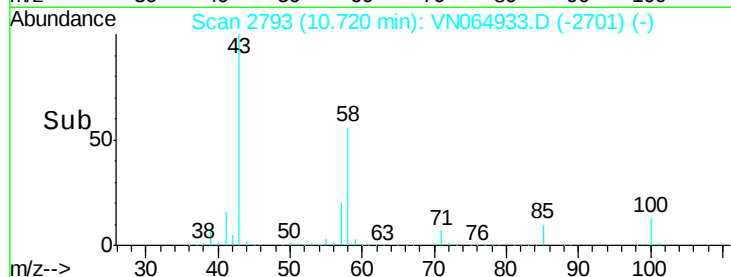
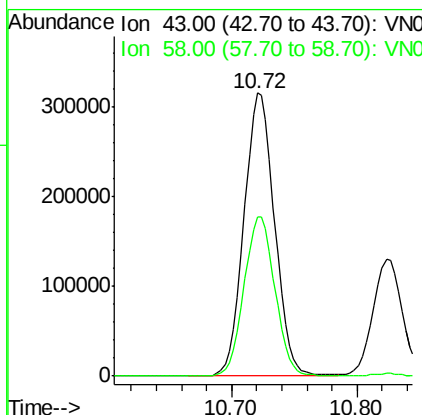
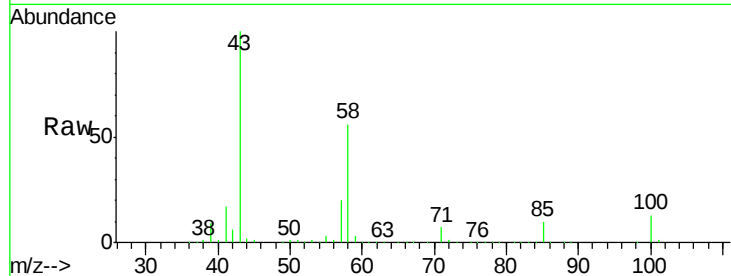
#59
2-Hexanone
Concen: 242.872 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 535763
Ion Ratio Lower Upper
43 100
58 57.0 28.3 84.9

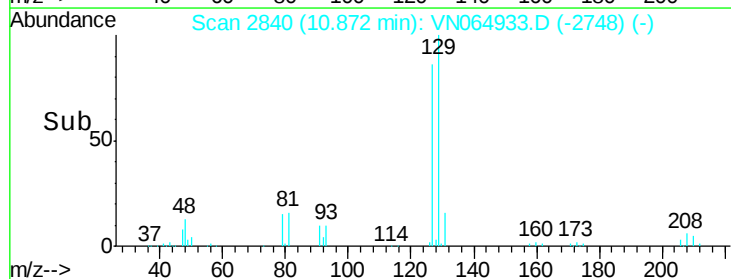
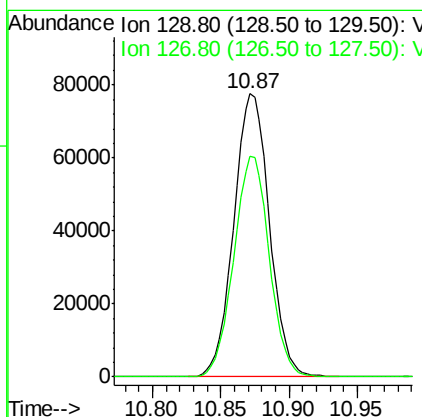
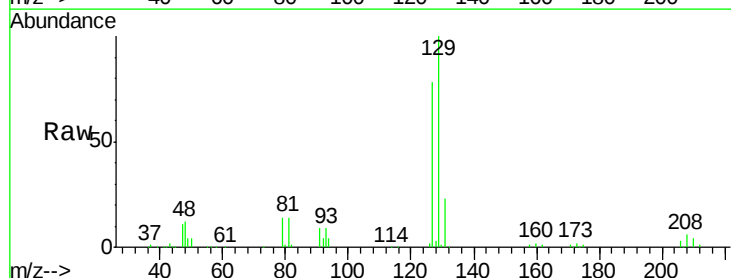
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#60
Dibromochloromethane
Concen: 49.480 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion: 129 Resp: 140591
Ion Ratio Lower Upper
129 100
127 77.5 39.1 117.2





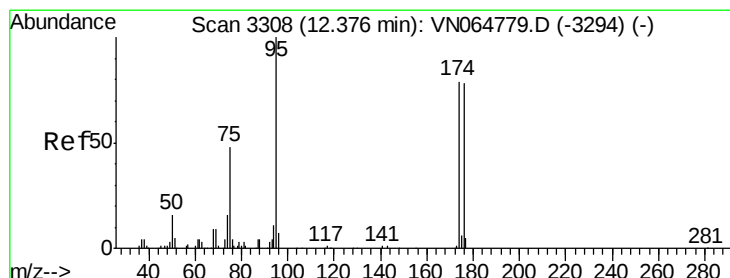
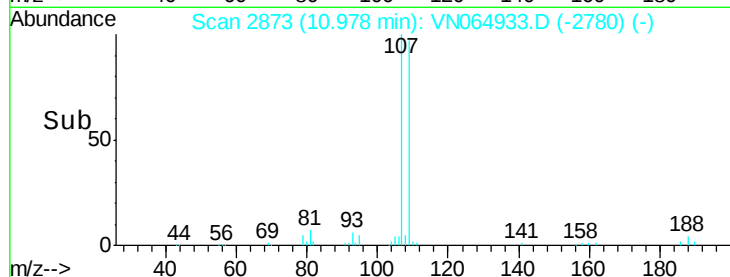
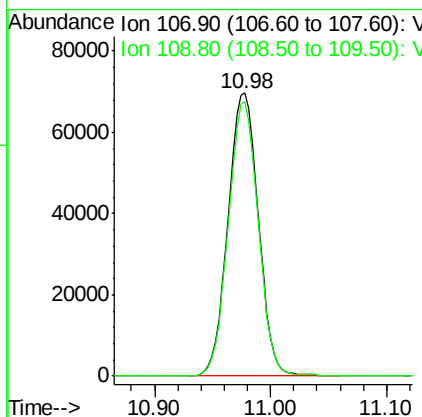
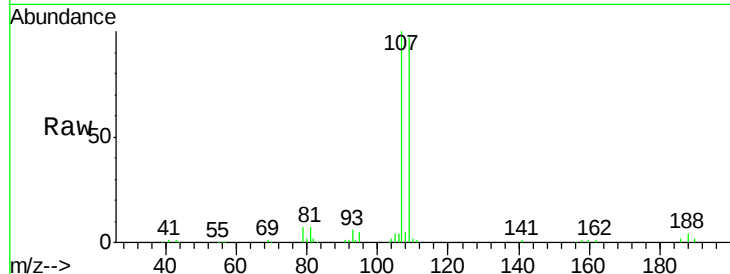
#61
 1,2-Dibromoethane
 Concen: 48.389 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	125665		
109	95.8	76.0	114.0	

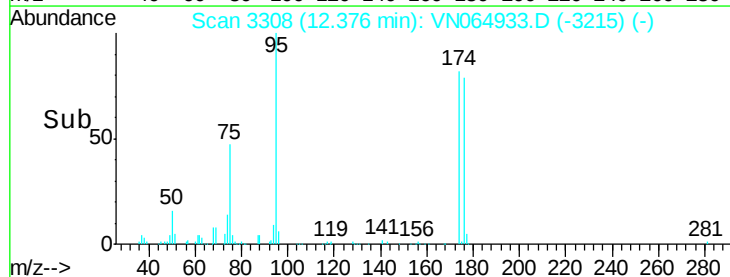
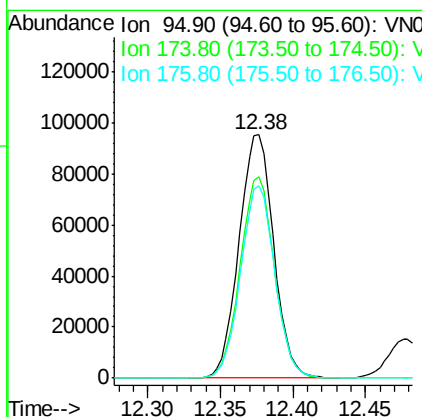
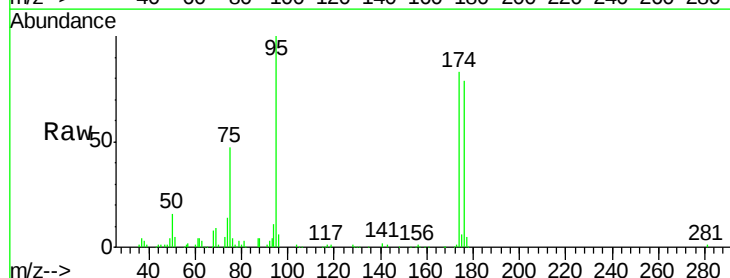
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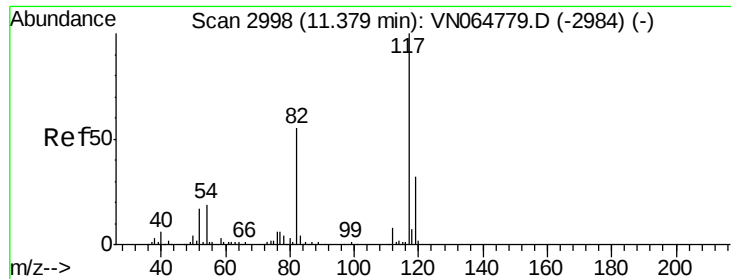
MMDadoda
 12/7/2020 10:46:12 AM



#62
 4-Bromofluorobenzene
 Concen: 51.035 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	158687		
174	81.8	0.0	160.4	
176	78.2	0.0	158.4	





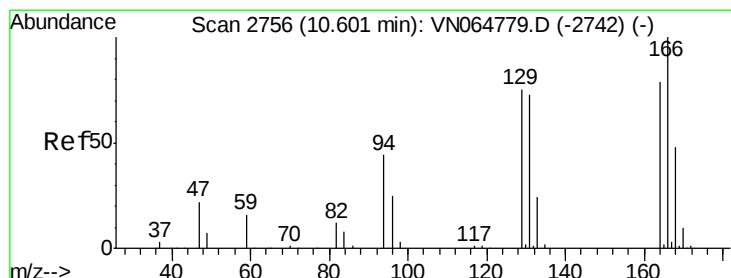
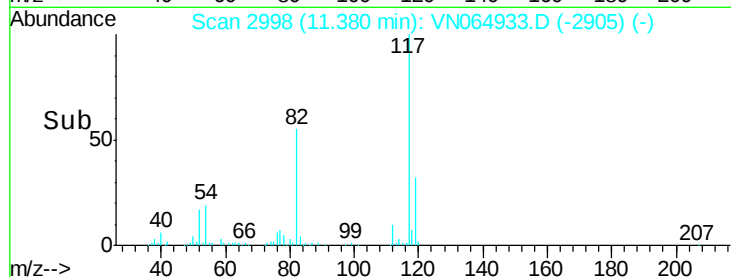
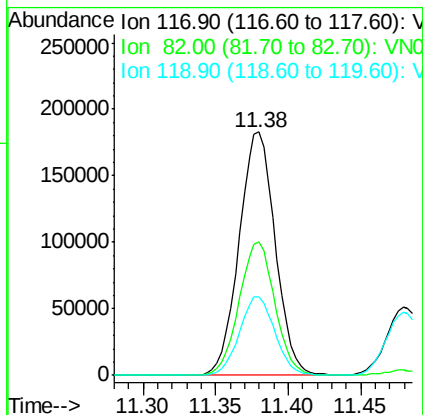
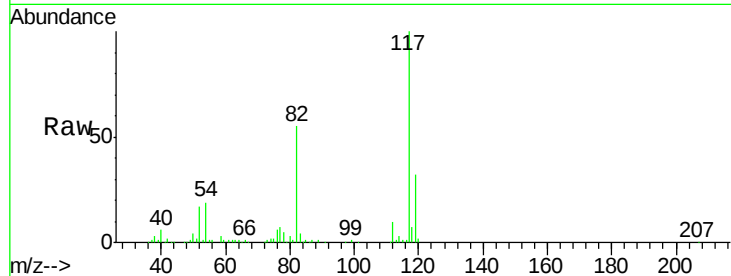
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	44.2	66.2
119	32.3	25.8	38.6

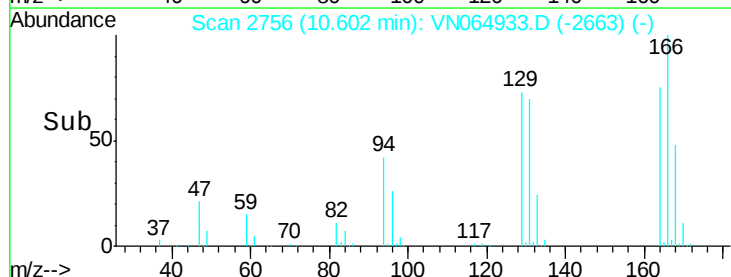
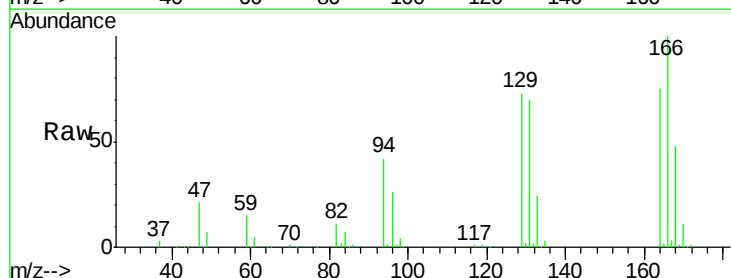
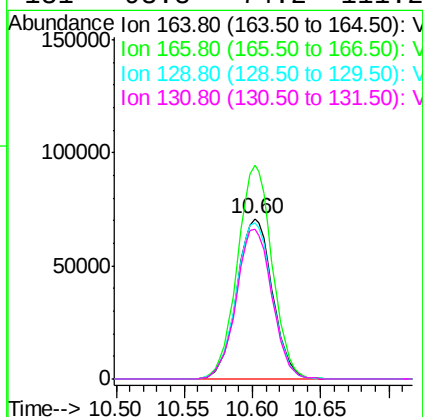
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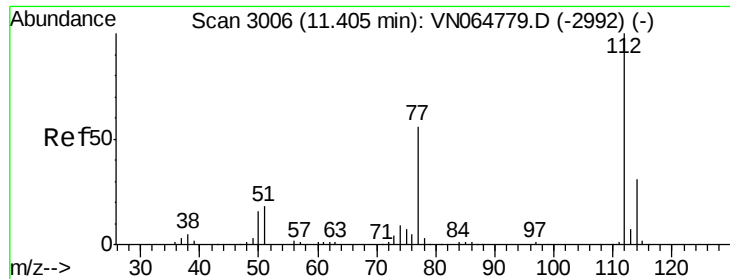
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#64
Tetrachloroethene
Concen: 41.455 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.2	101.4	152.0
129	97.6	76.1	114.1
131	93.8	74.2	111.2





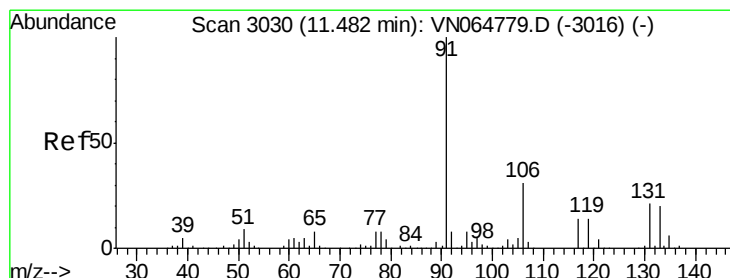
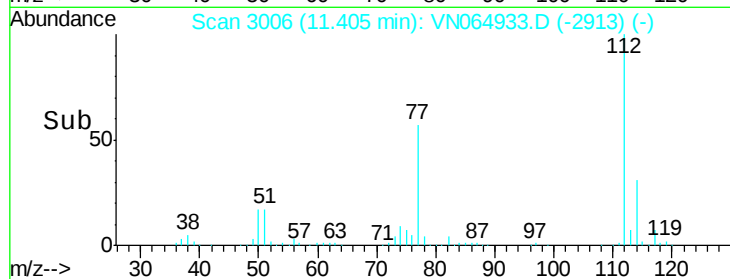
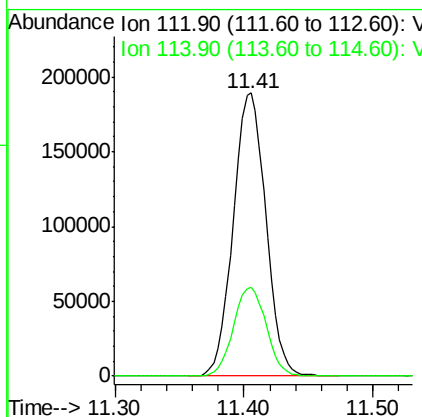
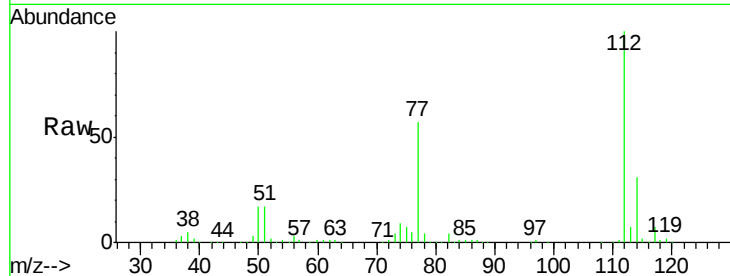
#65
Chlorobenzene
Concen: 48.790 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 332464
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7

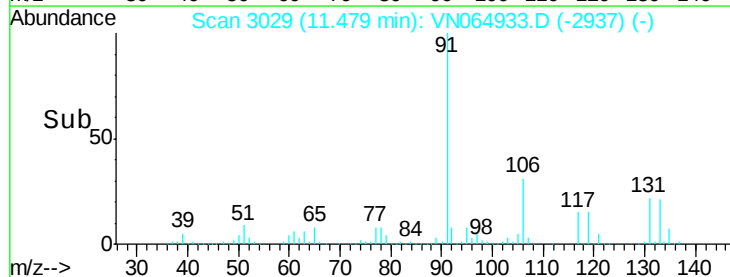
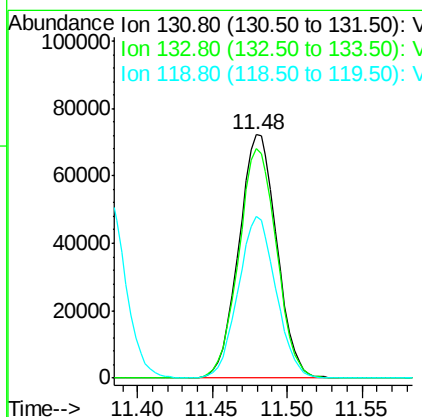
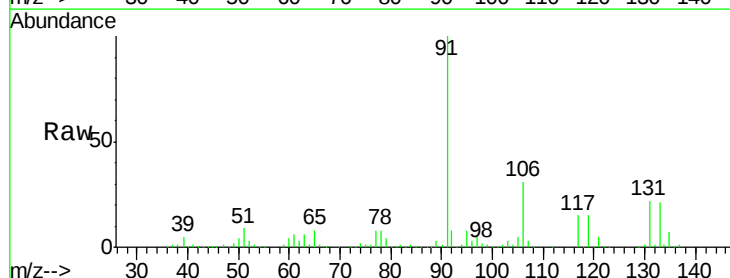
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.905 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion:131 Resp: 127480
Ion Ratio Lower Upper
131 100
133 94.2 47.5 142.5
119 65.9 33.3 99.8





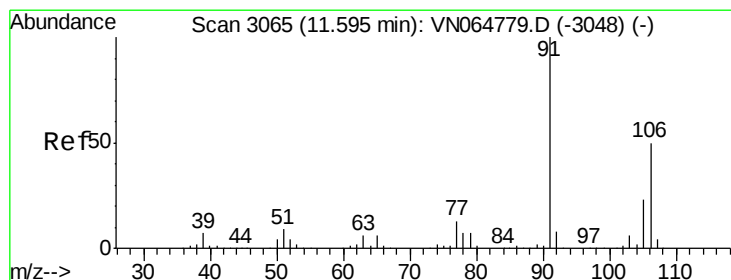
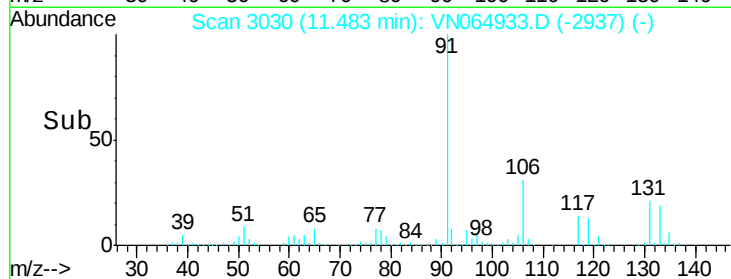
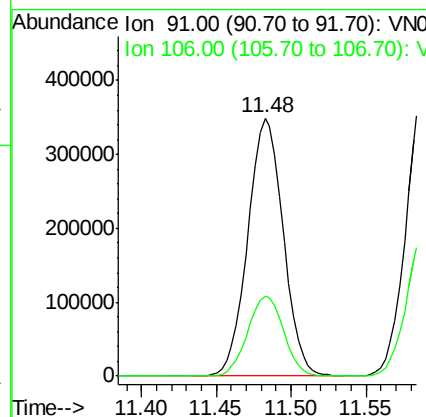
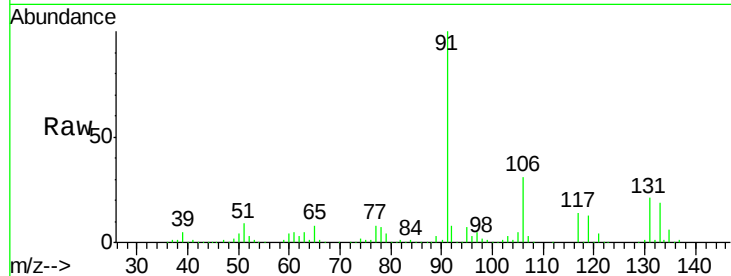
#67
Ethyl Benzene
Concen: 50.659 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 91 Resp: 576686
Ion Ratio Lower Upper
91 100
106 31.1 25.2 37.8

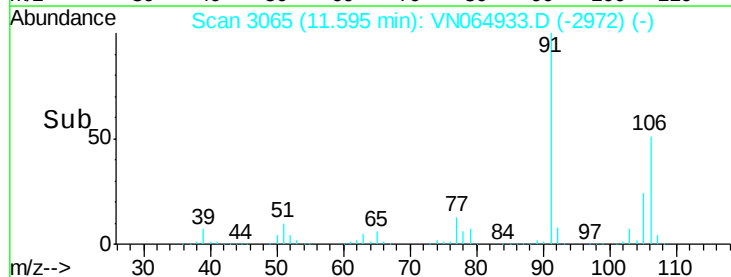
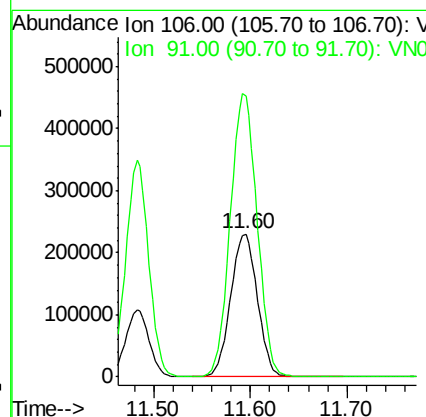
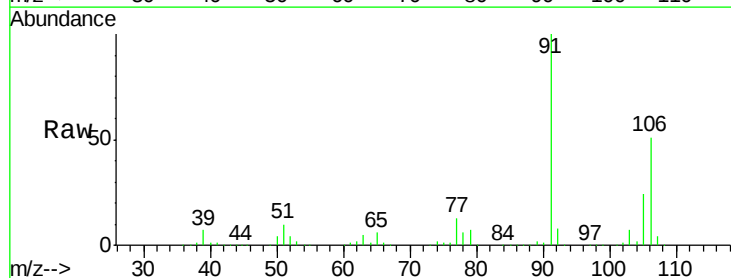
Manual Integrations
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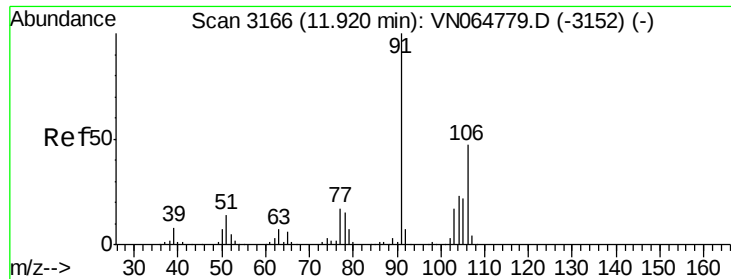
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#68
m/p-Xylenes
Concen: 102.429 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion: 106 Resp: 441462
Ion Ratio Lower Upper
106 100
91 199.6 161.0 241.4





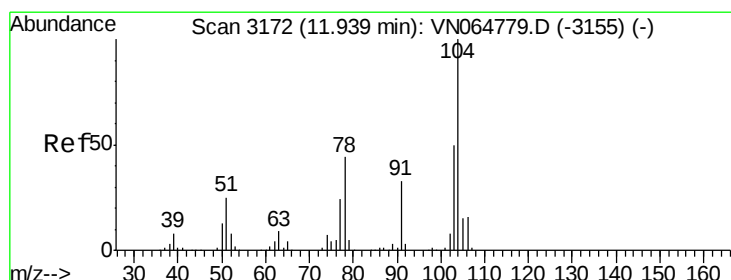
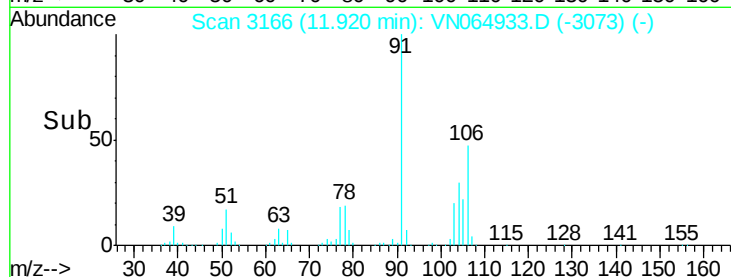
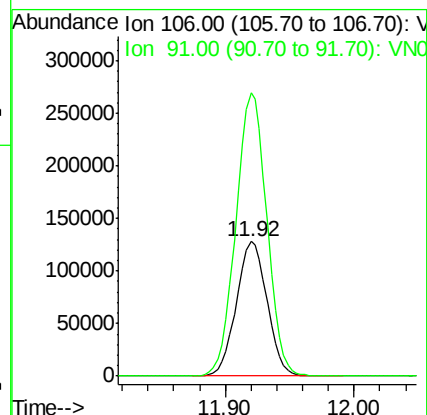
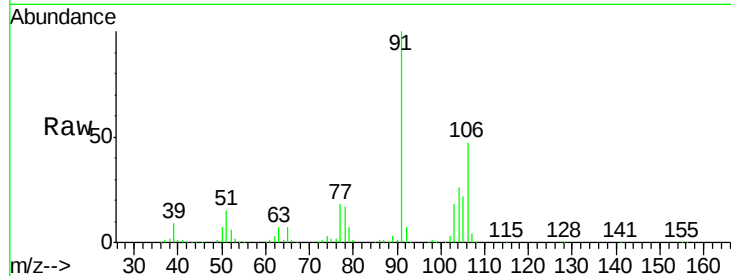
#69
o-Xylene
Concen: 51.920 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		212347		
91	211.3	105.5	316.5		

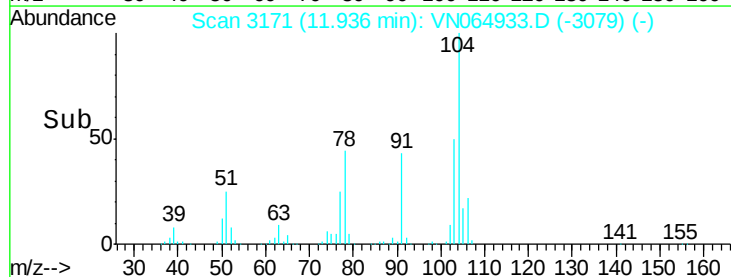
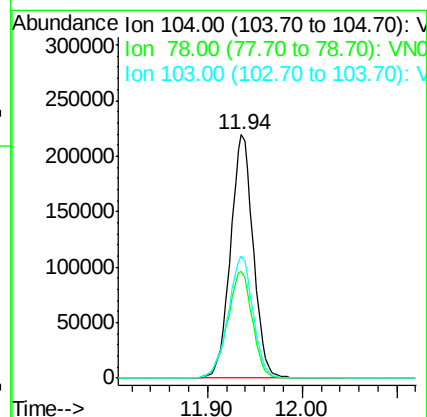
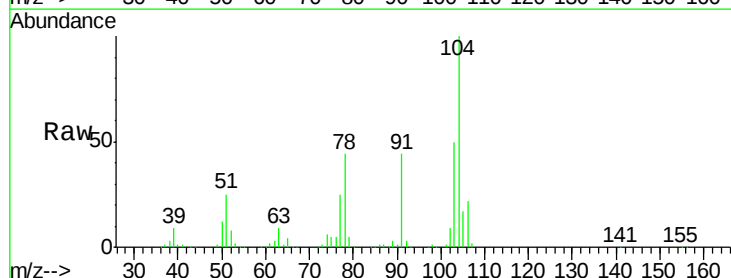
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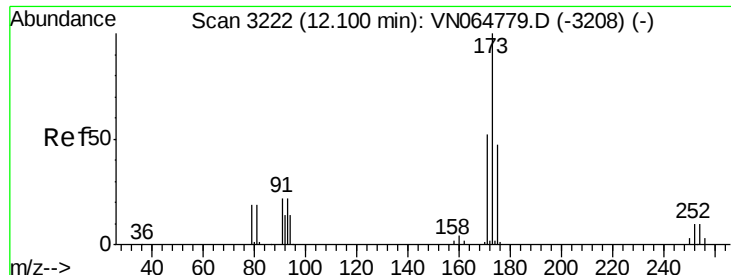
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#70
Styrene
Concen: 52.937 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		365503		
78	48.1	39.0	58.6		
103	54.6	44.3	66.5		





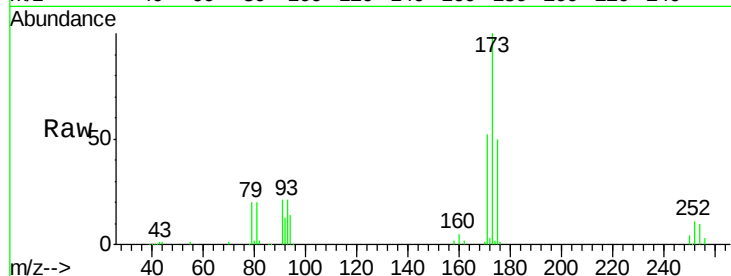
#71
Bromoform
Concen: 49.146 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

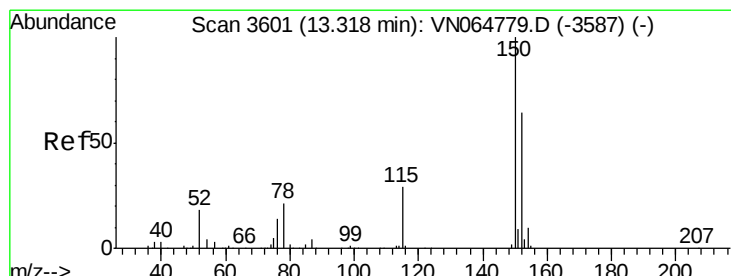
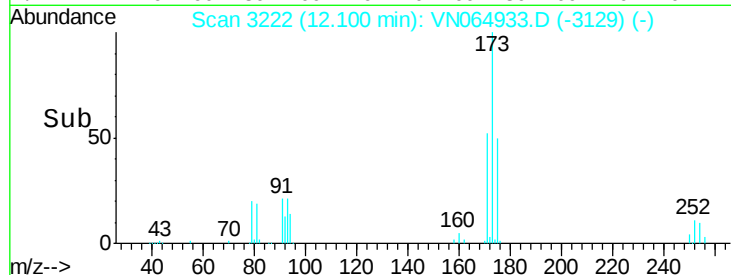
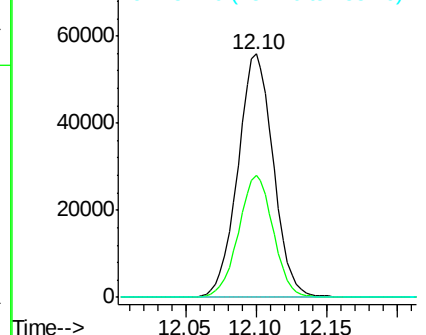
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.3	72.8
254	0.0	0.0	0.0

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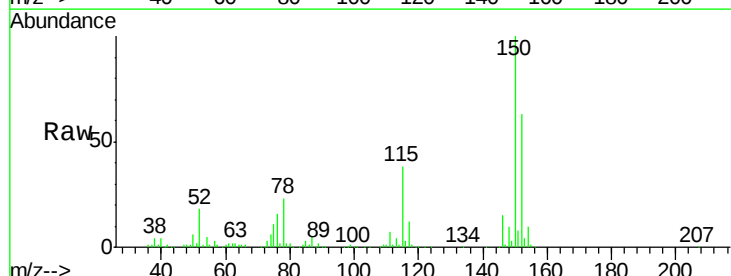


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

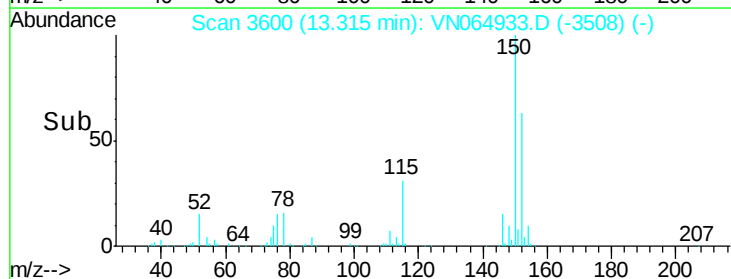
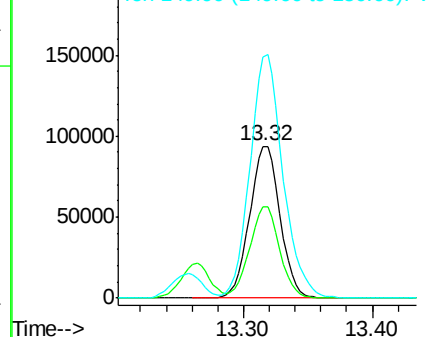


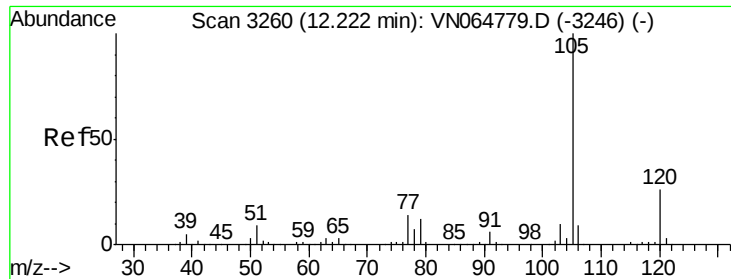
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.7	89.1
150	172.9	0.0	350.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.047 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 558238

Ion Ratio Lower Upper

105 100

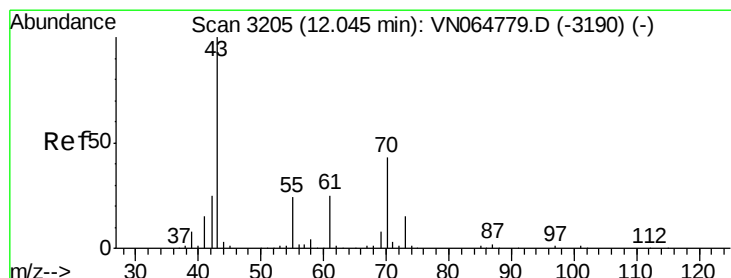
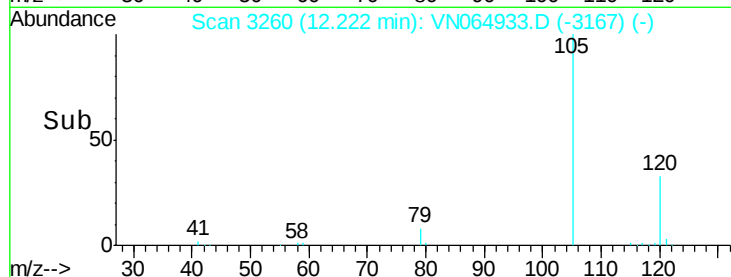
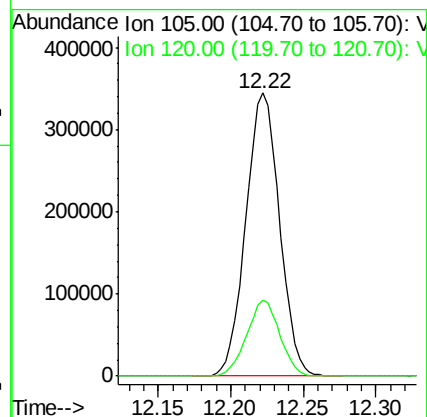
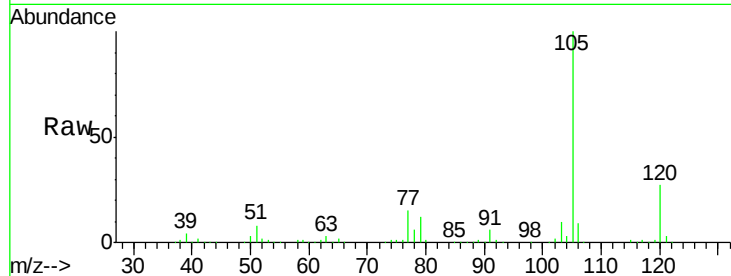
120 26.4 13.3 39.9

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#74

N-ethyl acetate

Concen: 51.645 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Tgt Ion: 43 Resp: 217988

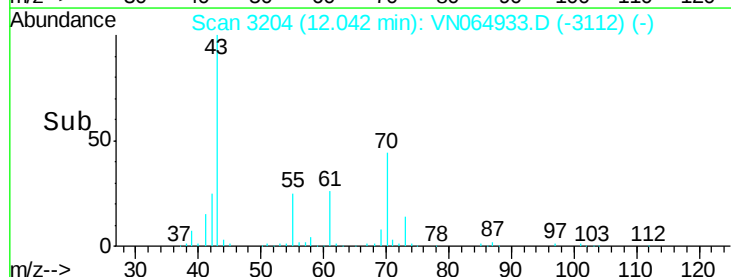
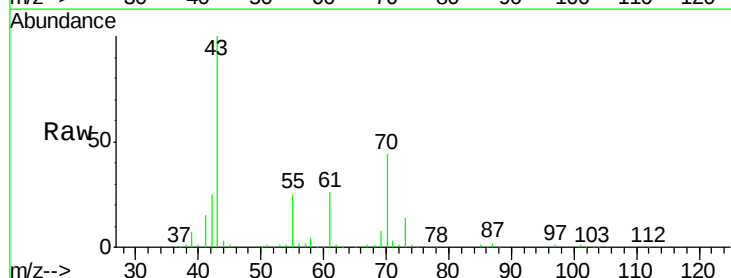
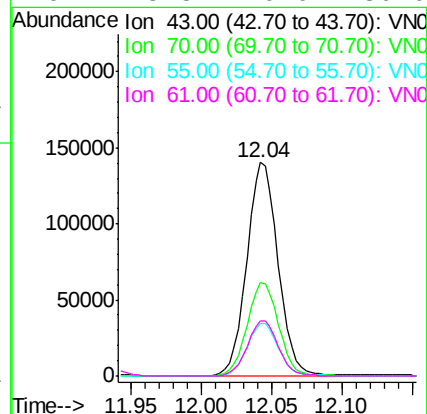
Ion Ratio Lower Upper

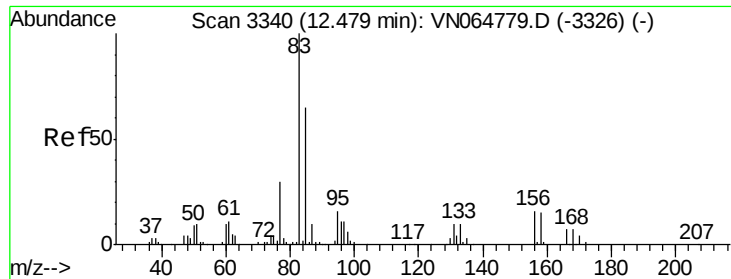
43 100

70 44.5 34.5 51.7

55 25.0 20.4 30.6

61 25.8 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 52.153 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 163952

Ion Ratio Lower Upper

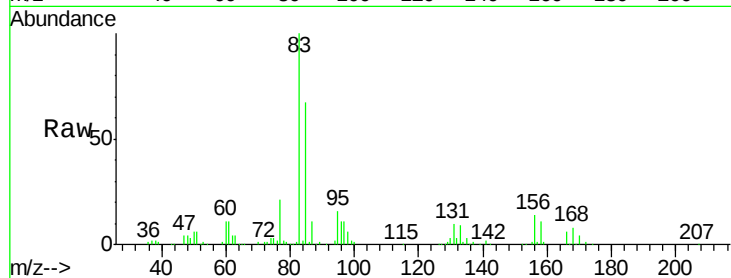
83 100

131 10.4 5.1 15.3

85 65.6 33.0 99.0

Manual Integrations
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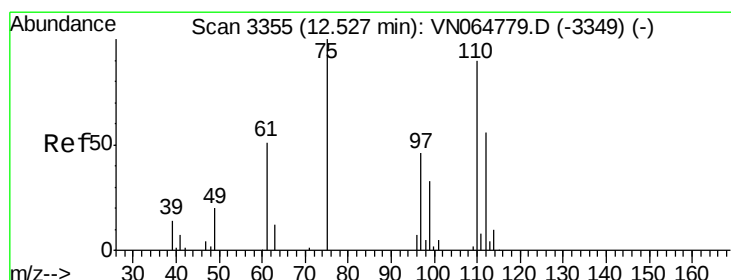
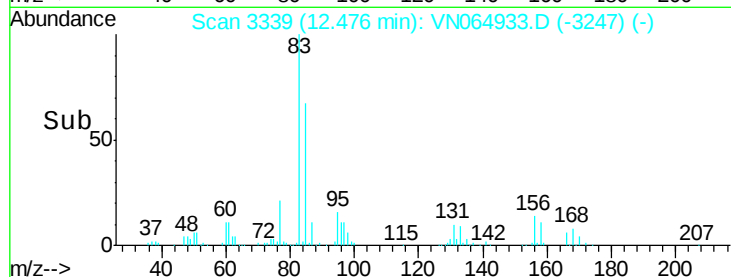
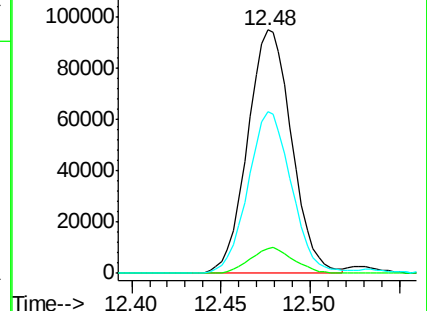
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 44.599 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064933.D

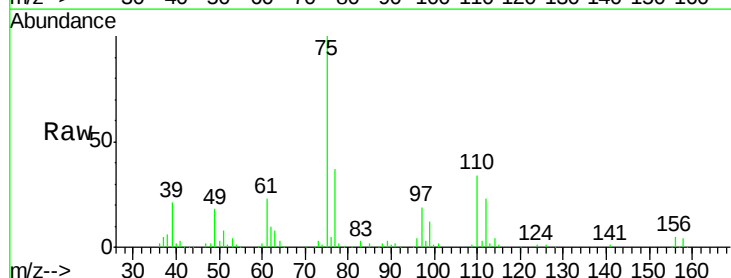
Acq: 4 Dec 2020 20:55

Tgt Ion: 75 Resp: 148103

Ion Ratio Lower Upper

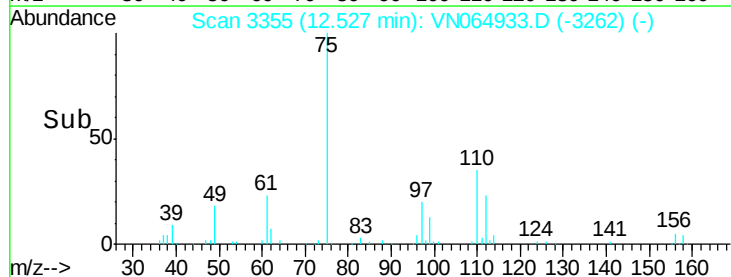
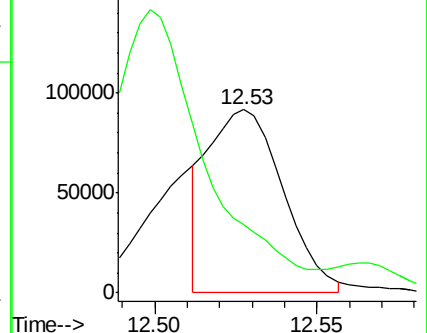
75 100

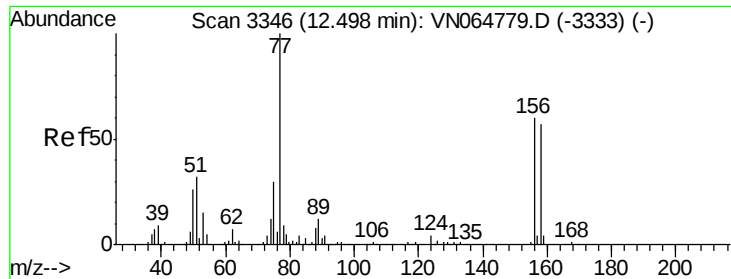
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 50.470 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 145938

Ion Ratio Lower Upper

156 100

77 200.9 101.3 303.7

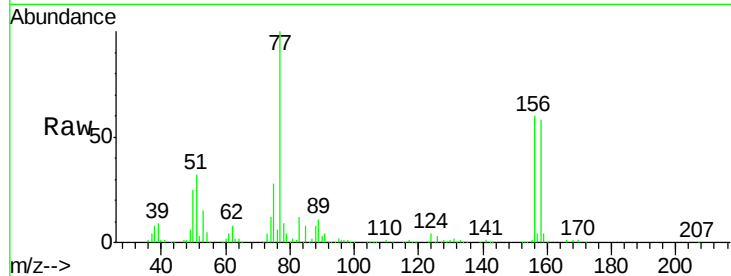
158 94.6 48.2 144.6

Manual Integrations

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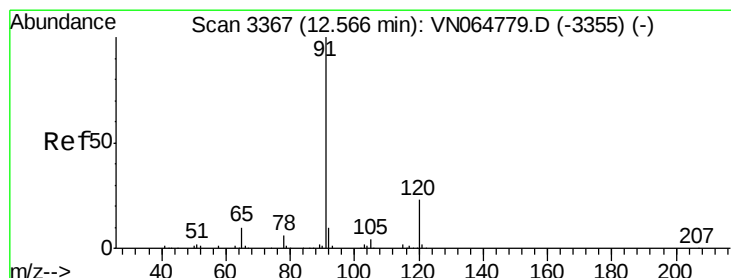
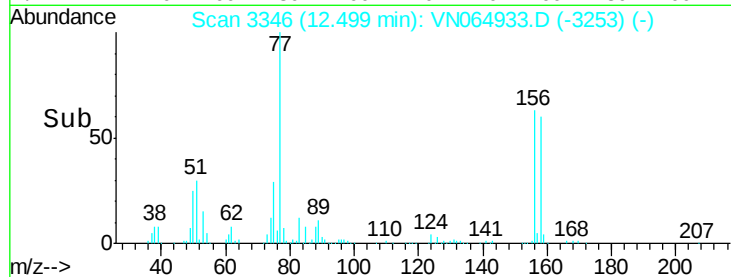
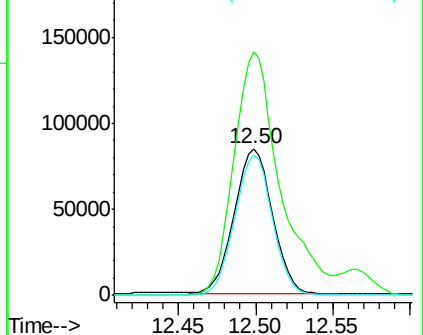
12/7/2020 10:46:12 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.931 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064933.D

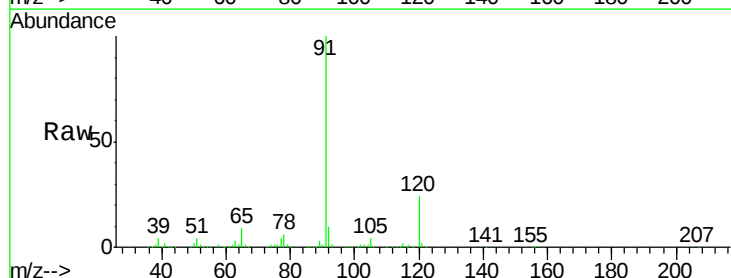
Acq: 4 Dec 2020 20:55

Tgt Ion: 91 Resp: 622298

Ion Ratio Lower Upper

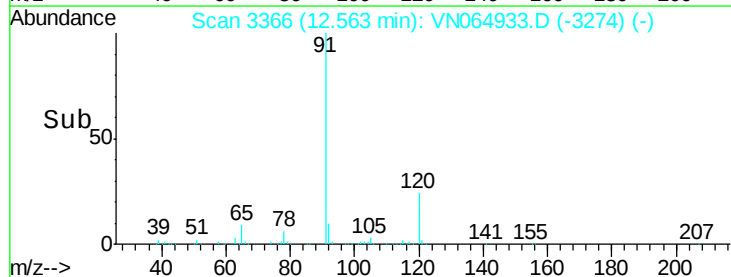
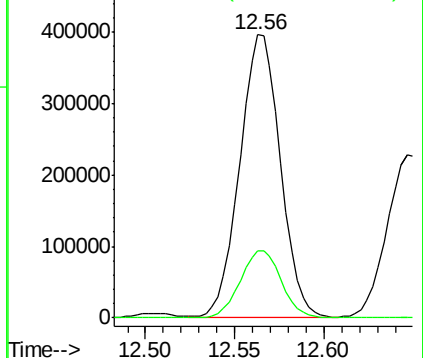
91 100

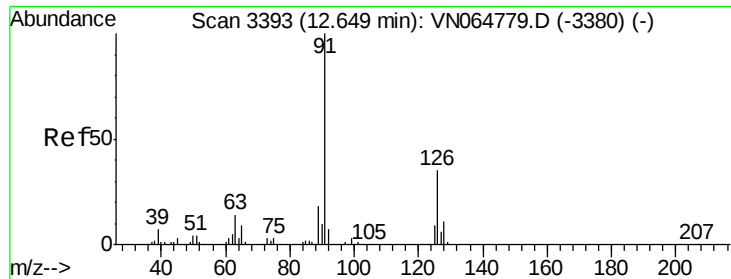
120 24.2 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.074 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 378202

Ion Ratio Lower Upper

91 100

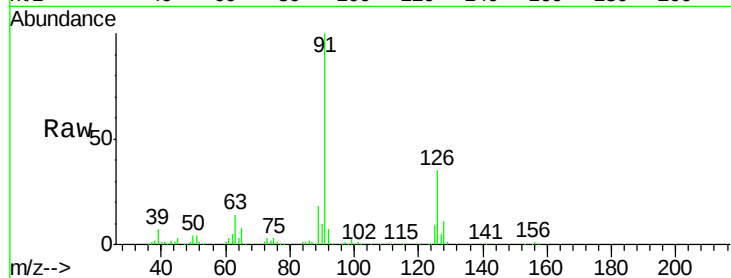
126 34.5 17.2 51.6

Manual Integrations

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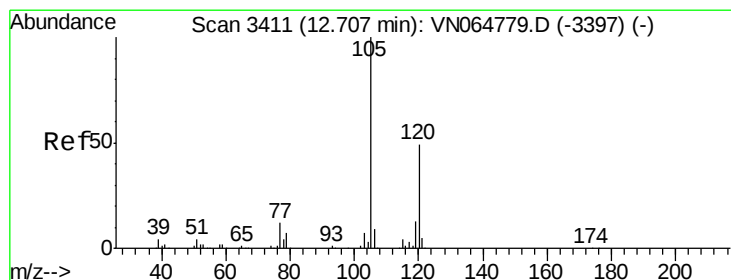
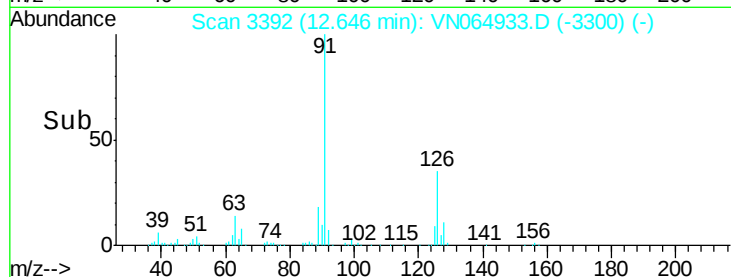
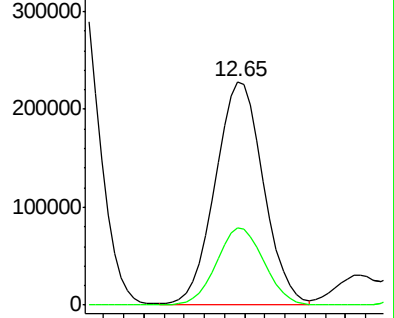
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Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.230 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064933.D

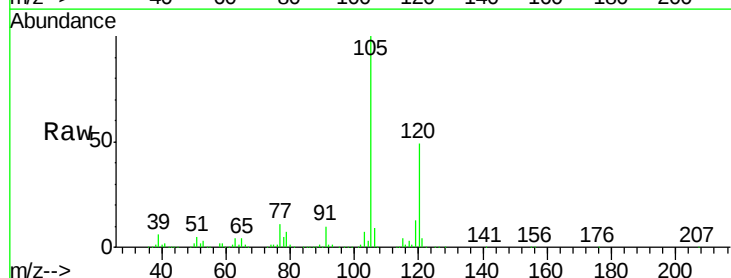
Acq: 4 Dec 2020 20:55

Tgt Ion: 105 Resp: 474542

Ion Ratio Lower Upper

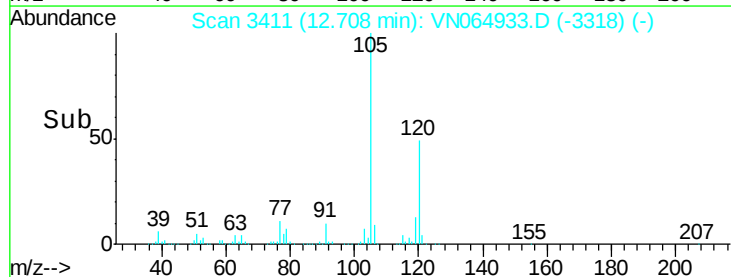
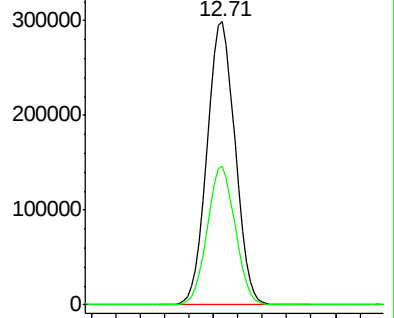
105 100

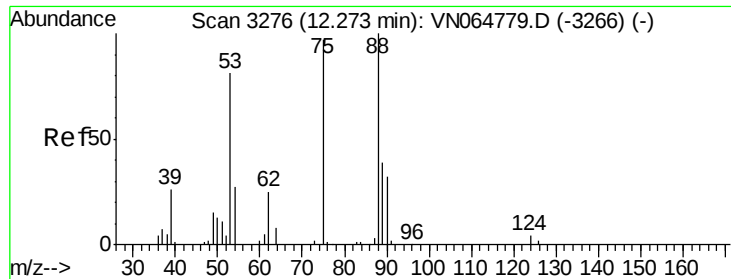
120 49.1 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3397) (-)





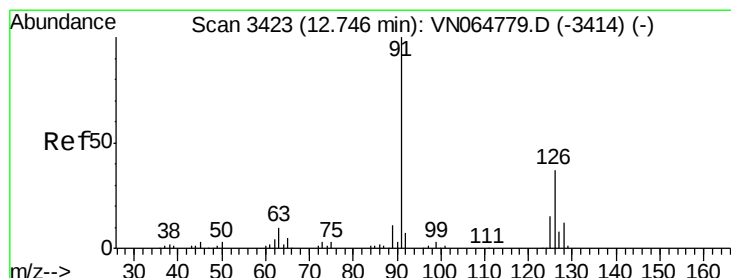
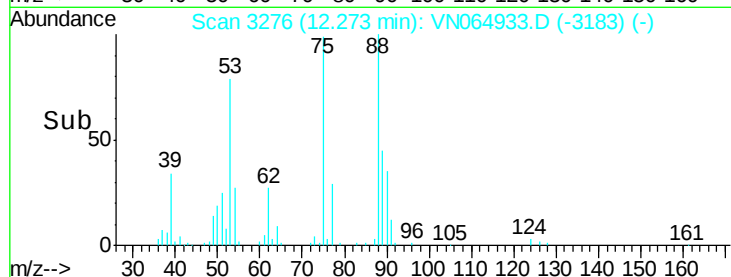
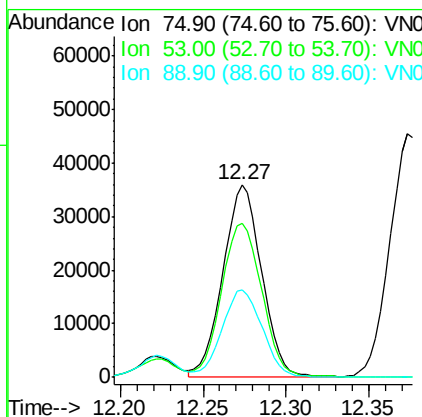
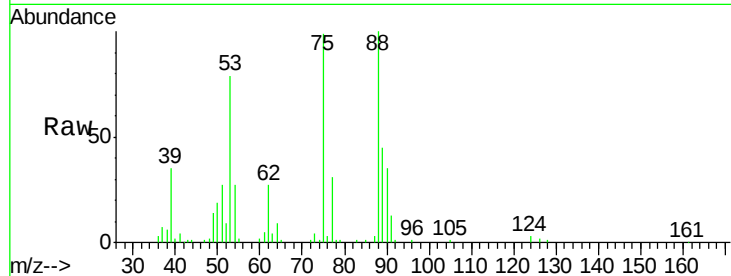
#81
trans-1,4-Dichloro-2-butene
Concen: 48.360 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	81.5	67.0	100.4
89	46.7	39.6	59.4

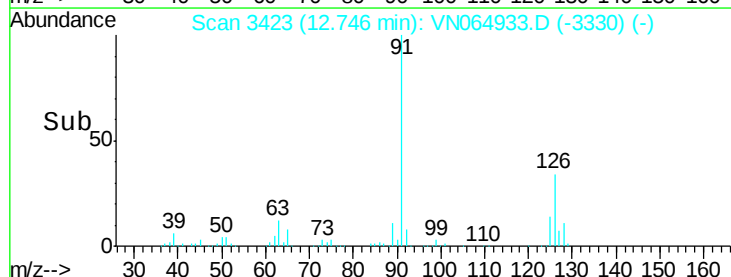
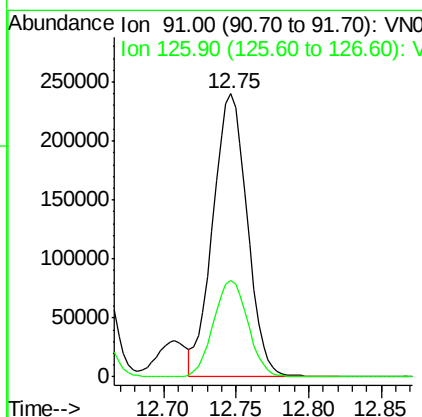
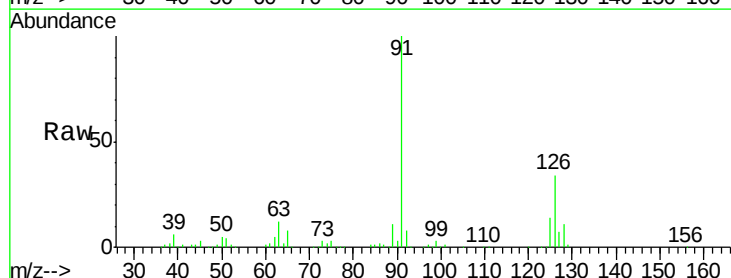
Manual Integrations
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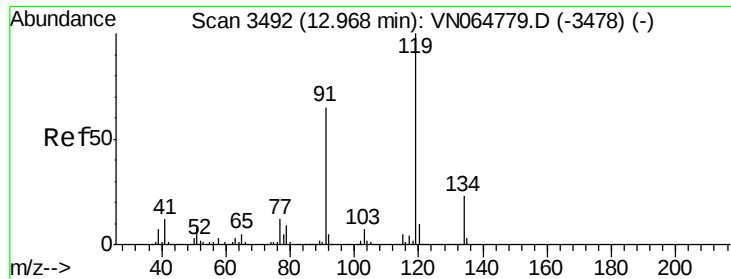
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.617 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.9	50.7





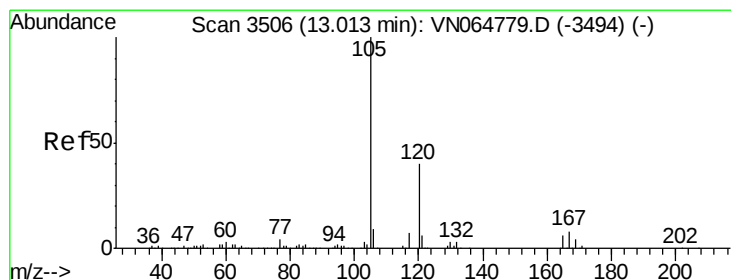
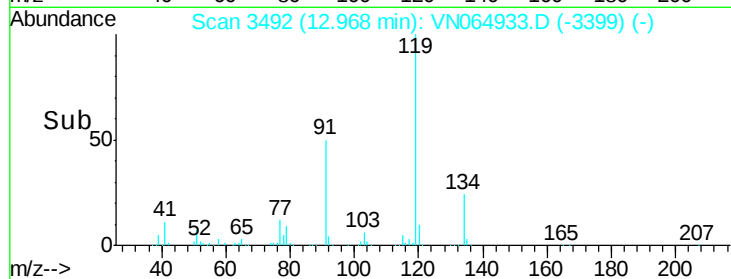
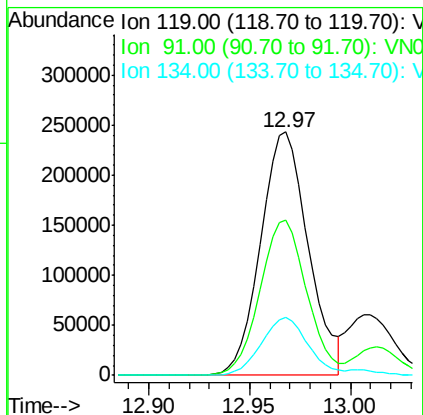
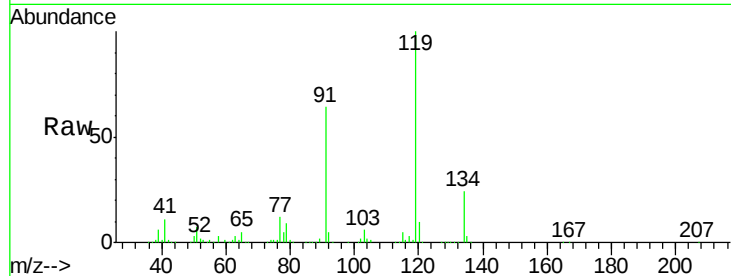
#83
 tert-Butylbenzene
 Concen: 53.543 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	32.3	96.8
134	23.3	12.6	37.6

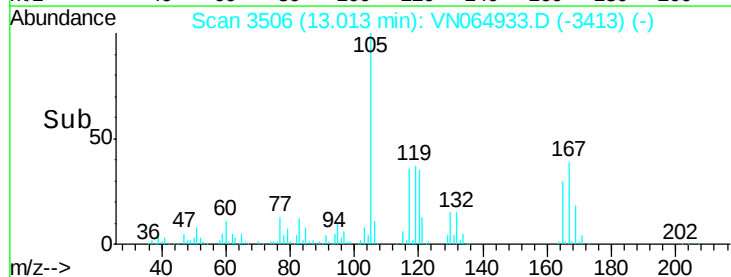
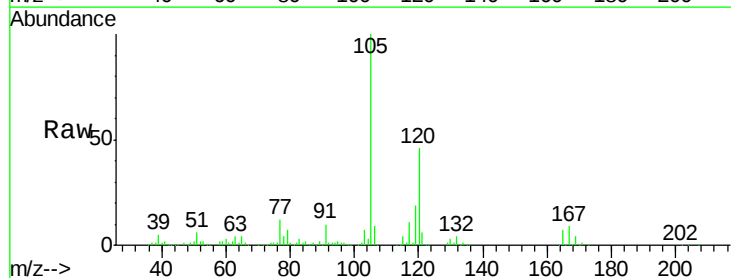
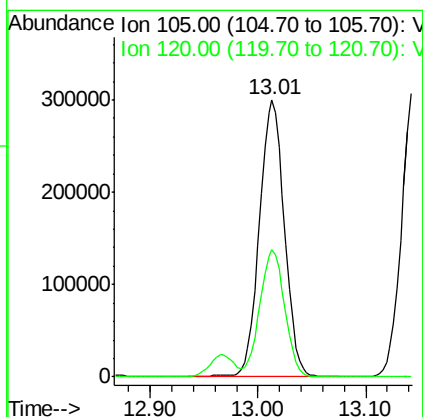
Manual Integrations
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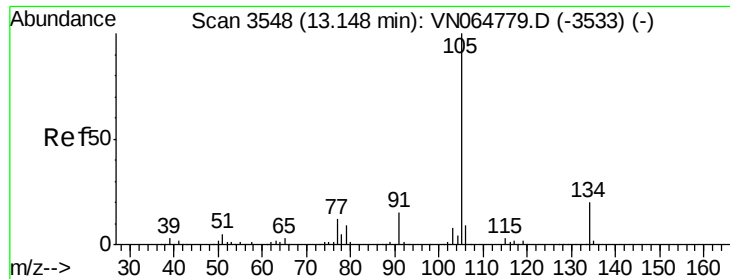
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.445 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.1	69.2





#85

sec-Butylbenzene

Concen: 51.066 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 506652

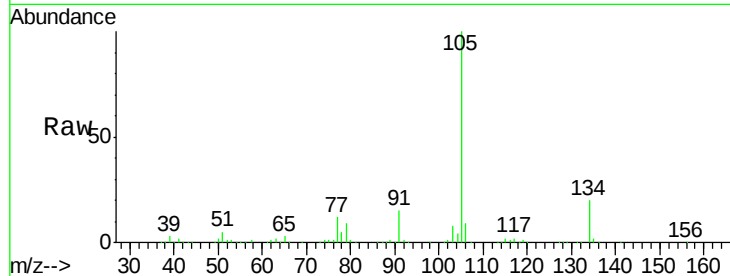
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

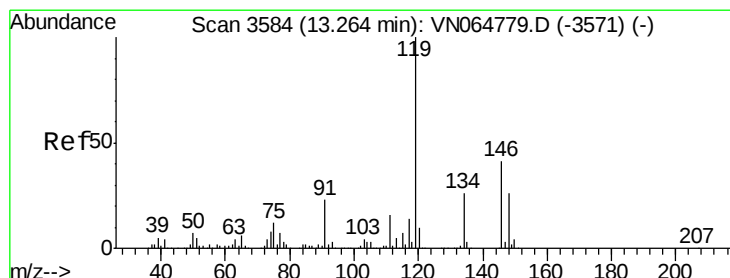
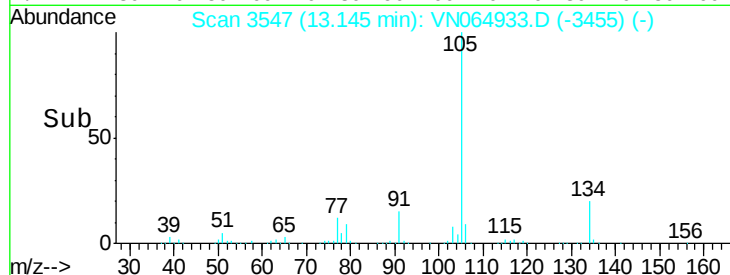
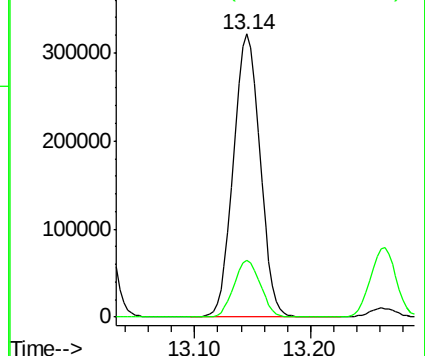
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.722 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064933.D

Acq: 4 Dec 2020 20:55

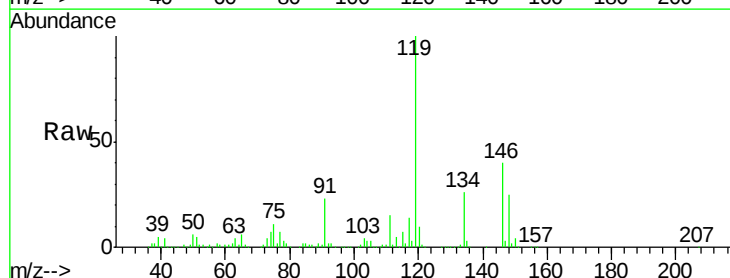
Tgt Ion:119 Resp: 467197

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

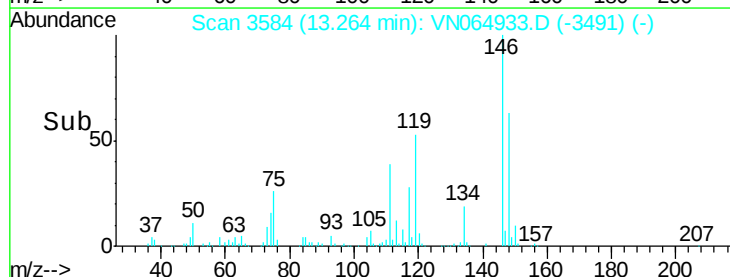
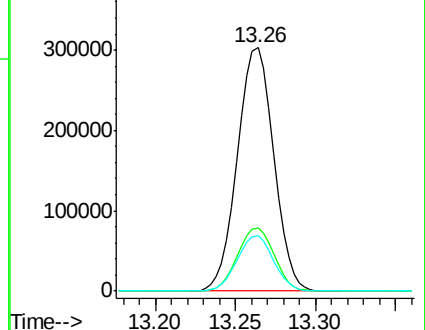
91 22.7 11.5 34.5

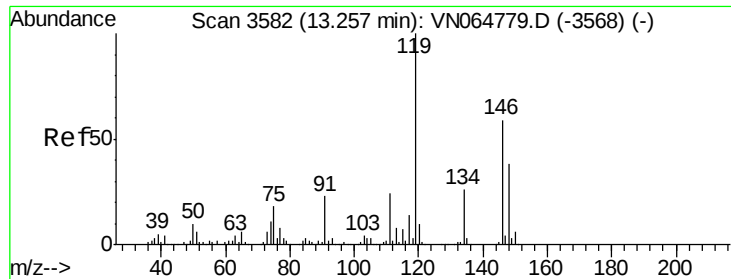


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





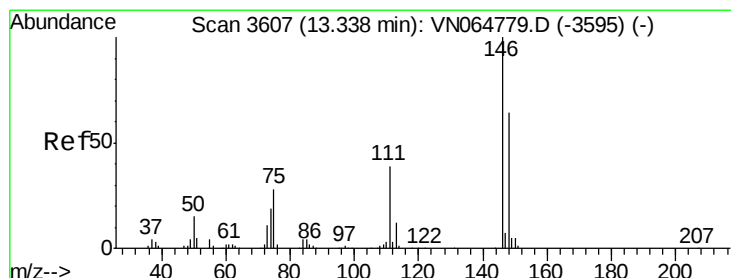
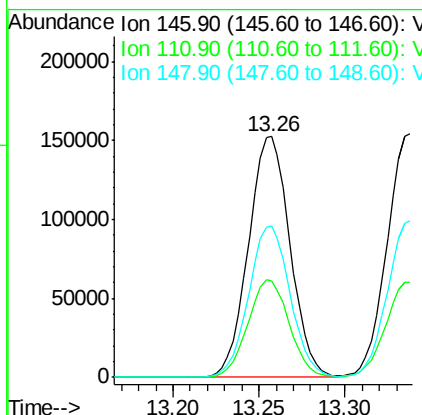
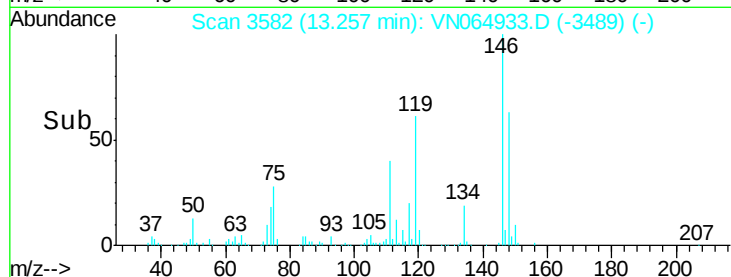
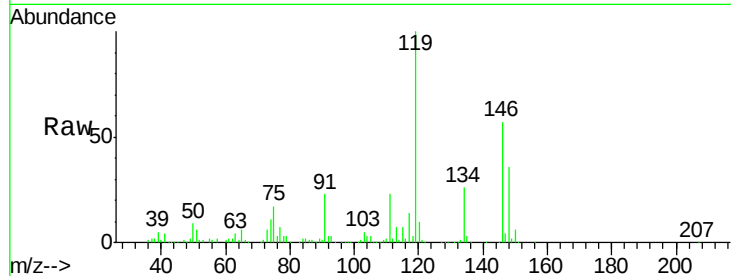
#87
 1,3-Dichlorobenzene
 Concen: 49.730 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.6	61.9
148	62.8	31.9	95.5

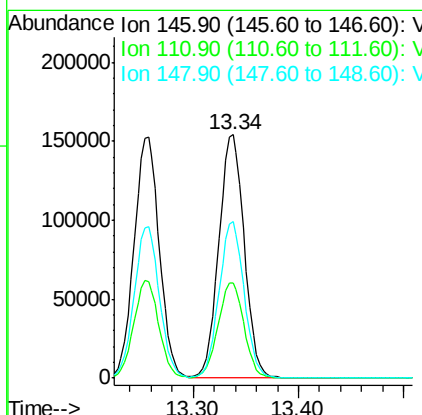
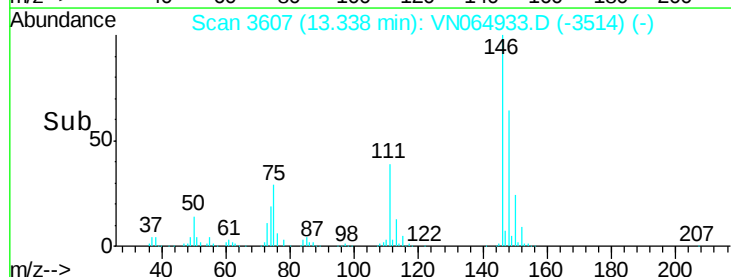
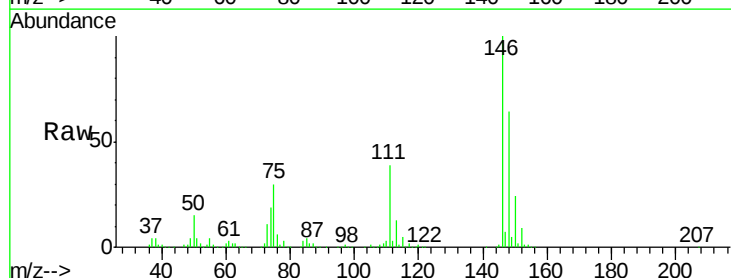
Manual Integrations
 APPROVED

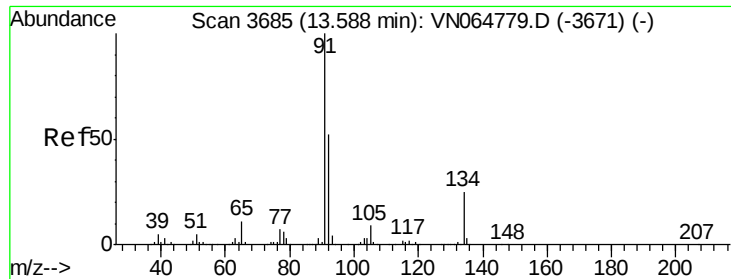
MMDadoda
 12/7/2020 10:46:12 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.479 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	63.5	31.9	95.5





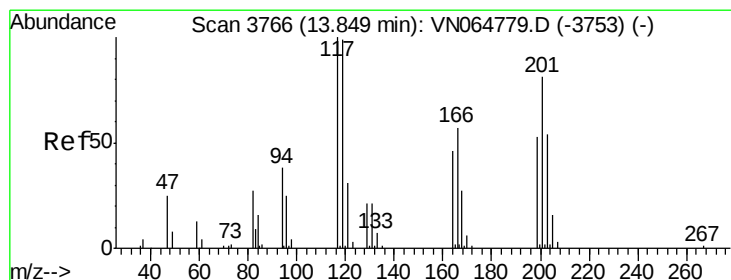
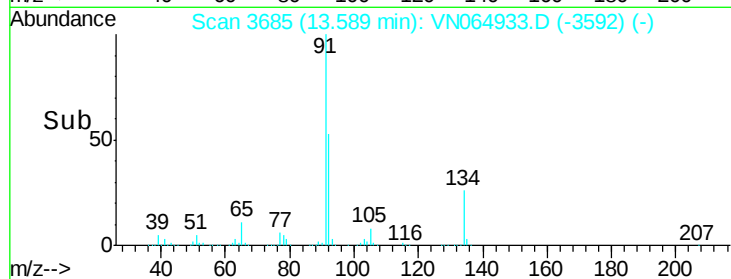
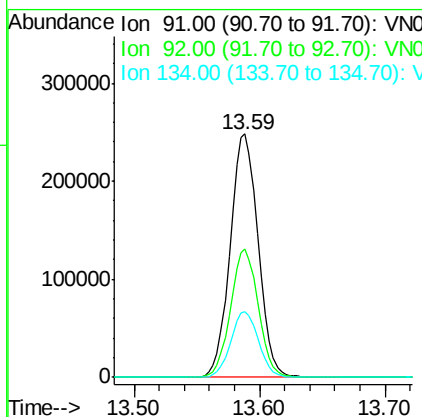
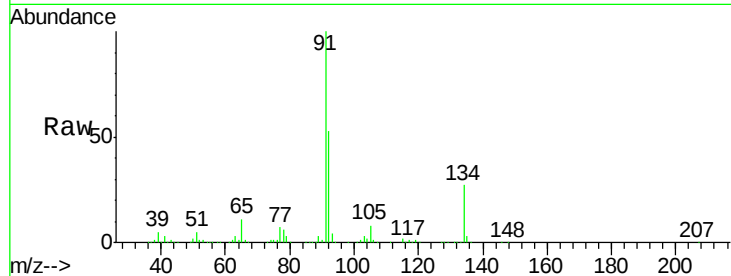
#89
n-Butylbenzene
Concen: 48.548 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.0	78.0
134	26.7	12.9	38.6

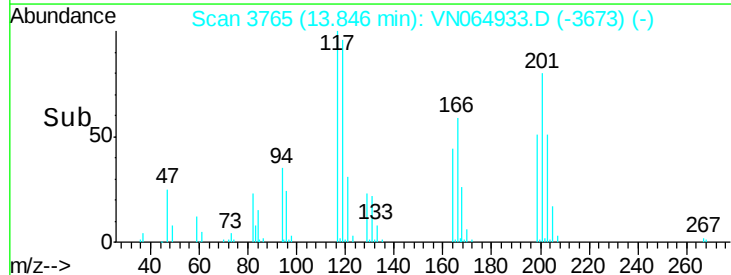
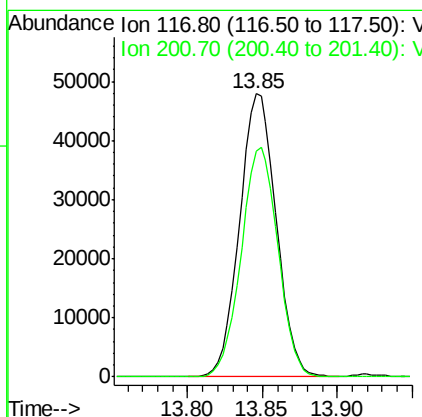
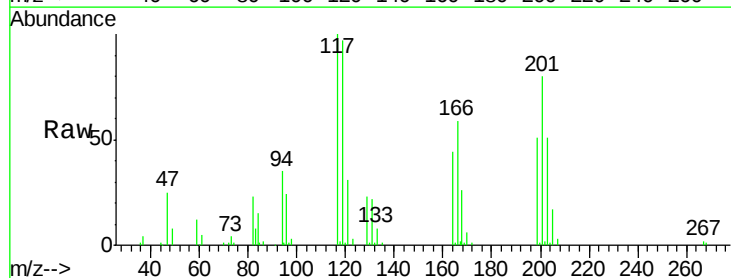
Manual Integrations
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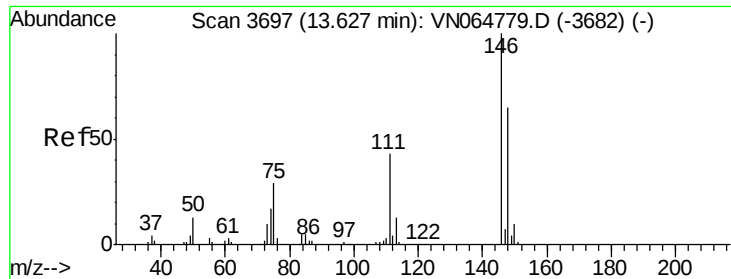
MMDadoda
12/7/2020 10:46:12 AM



#90
Hexachloroethane
Concen: 52.064 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	40.1	120.3





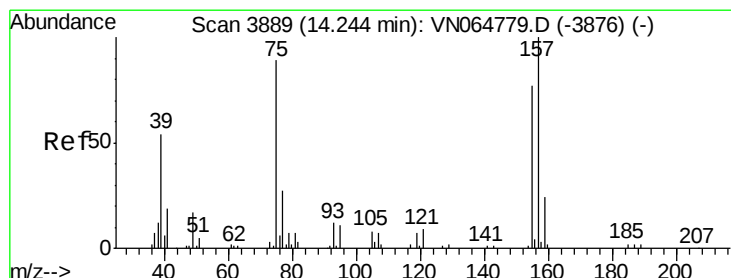
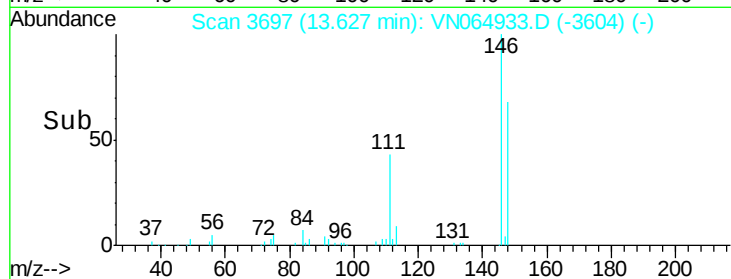
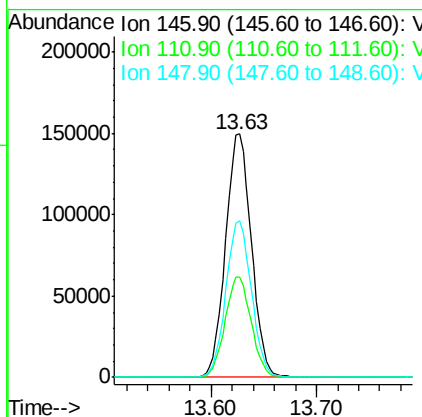
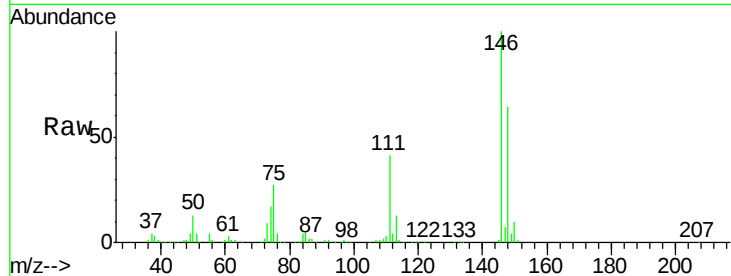
#91
 1,2-Dichlorobenzene
 Concen: 50.396 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.1
148	63.4	32.0	96.2

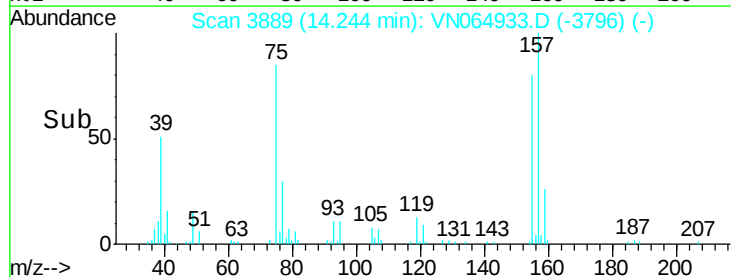
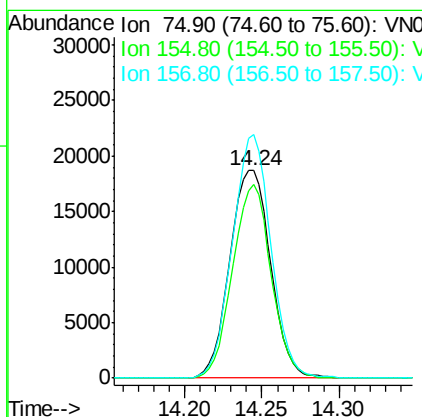
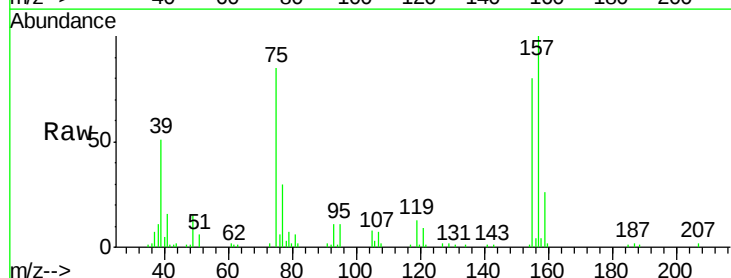
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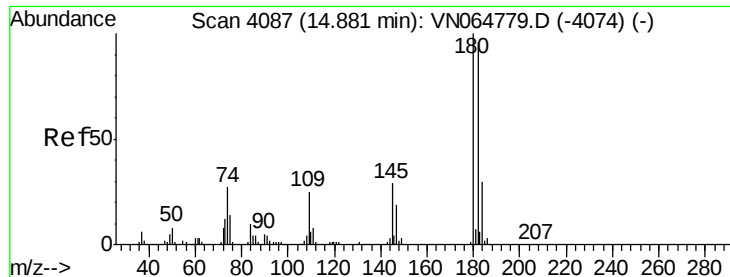
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.476 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	42.8	128.3
157	110.7	56.4	169.1





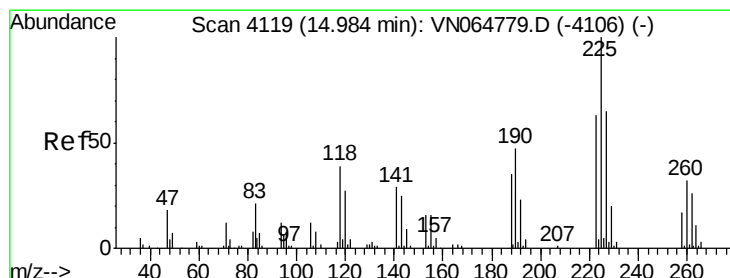
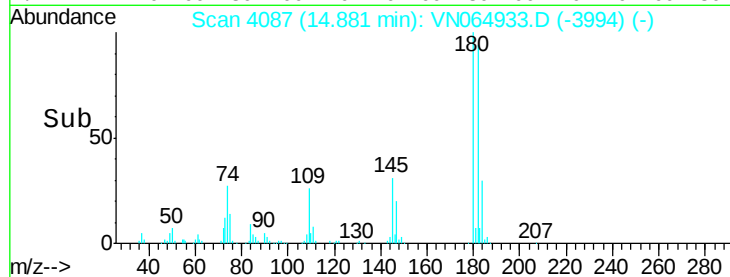
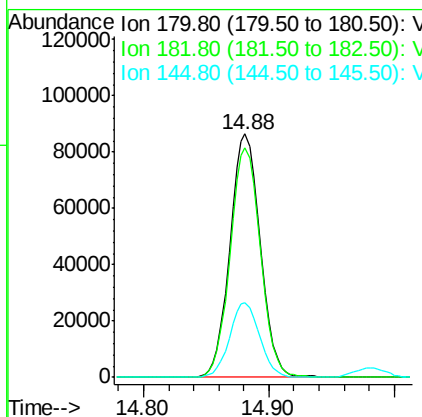
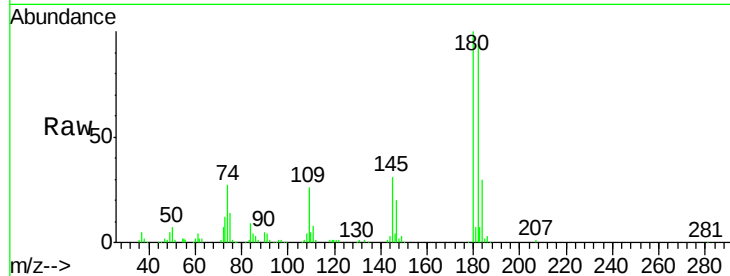
#93
 1,2,4-Trichlorobenzene
 Concen: 46.385 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.6	142.9
145	30.5	15.3	45.8

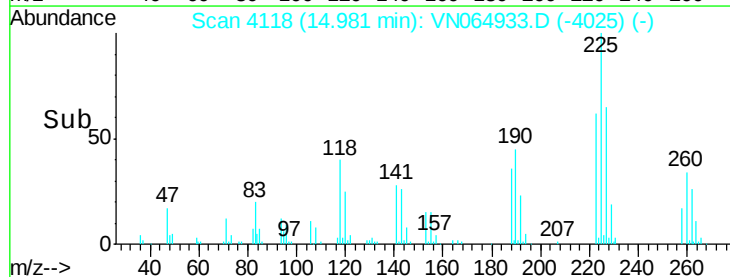
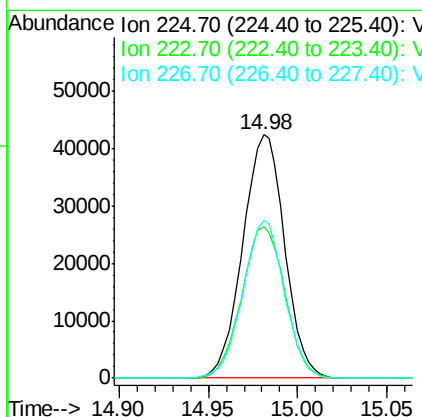
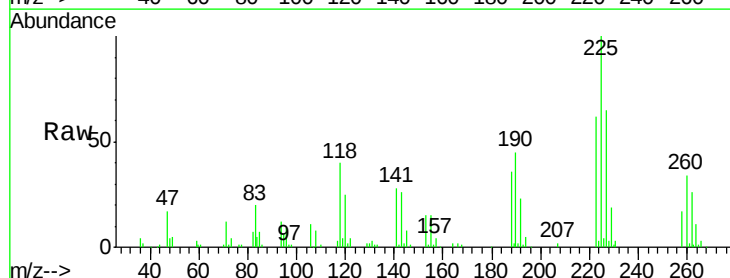
Manual Integrations
 APPROVED

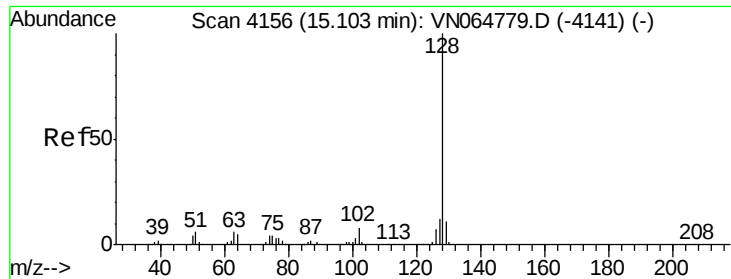
MMDadoda
 12/7/2020 10:46:12 AM



#94
 Hexachlorobutadiene
 Concen: 49.561 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064933.D
 Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.0	93.0
227	64.1	32.0	96.0





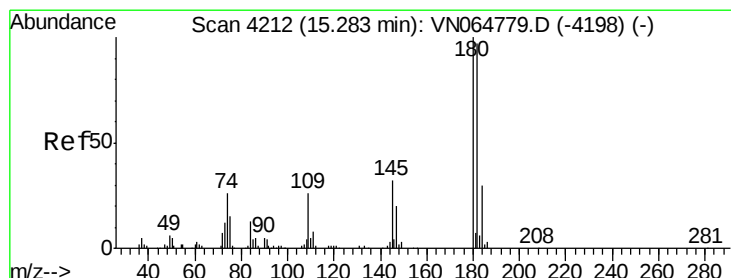
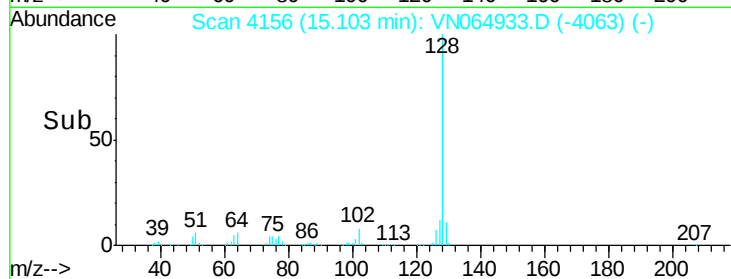
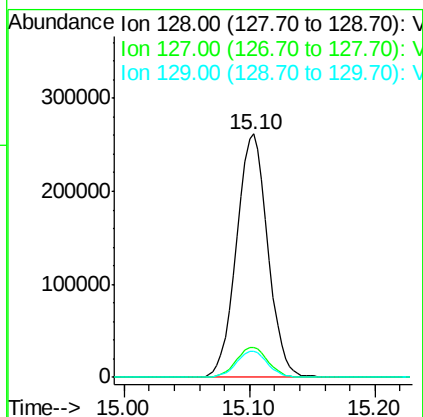
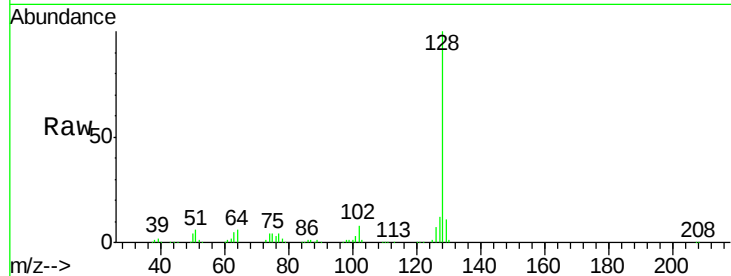
#95
Naphthalene
Concen: 48.496 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.3	15.5
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/7/2020 10:46:12 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.146 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064933.D
Acq: 4 Dec 2020 20:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.1	144.4
145	32.7	16.4	49.1

