

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062931.D
 Acq On : 14 Aug 2020 00:09
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:45:00 PM

Quant Time: Aug 14 05:57:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 05:30:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	28532	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	156200	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	149455	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	74533	30.09	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.30%
60) 4-Bromofluorobenzene	12.38	95	81937	32.27	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	107.57%
63) Toluene-d8	10.06	98	205022	29.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	383798	204.715	ug/l 98
3) Chloromethane	2.03	50	305785	130.205	ug/l 97
4) Vinyl Chloride	2.16	62	294266	140.152	ug/l 98
5) Bromomethane	2.49	94	278182	223.495	ug/l 99
6) Chloroethane	2.64	64	278526	225.660	ug/l 99
7) Trichlorofluoromethane	2.97	101	659518	223.803	ug/l 99
8) Diethyl Ether	3.37	74	140284	122.806	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	209071	133.062	ug/l 96
10) 1,1-Dichloroethene	3.69	96	195205	124.205	ug/l 93
11) Methyl Iodide	3.90	142	297902	151.435	ug/l 96
12) Methyl Acetate	4.27	43	291042	134.875	ug/l 96
13) Acrolein	3.56	56	194244	633.749	ug/l 97
14) Acrylonitrile	4.93	53	683991	691.858	ug/l 98
15) Acetone	3.78	58	177060	615.374	ug/l 92
16) Carbon Disulfide	4.00	76	530731	106.298	ug/l 100
17) Allyl chloride	4.27	41	344225	107.985	ug/l 96
18) Methylene Chloride	4.50	84	242232	124.831	ug/l 96
19) trans-1,2-Dichloroethene	4.98	96	215252	123.954	ug/l 97
20) Diisopropyl ether	5.90	45	807239	118.990	ug/l 98
21) 1,1-Dichloroethane	5.80	63	451290	123.315	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	261730	131.916	ug/l # 88
23) tert-Butyl Alcohol	4.74	59	287806	830.470	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	894581	150.005	ug/l 99
25) Chloroform	7.33	83	494246	143.185	ug/l 97
26) Cyclohexane	7.61	56	418300	131.480	ug/l # 97
29) 1,1-Dichloropropene	7.75	75	341158	132.199	ug/l 99
30) 2-Butanone	6.79	43	888111	664.991	ug/l 99
31) 2,2-Dichloropropane	6.77	77	314888	110.615	ug/l 97
32) 1,1,1-Trichloroethane	7.53	97	450322	155.108	ug/l 96
33) Carbon Tetrachloride	7.73	117	396842	156.616	ug/l 98
34) Benzene	8.00	78	994589	129.948	ug/l # 87
35) Methacrylonitrile	7.12	41	163024	140.622	ug/l 94
36) 1,2-Dichloroethane	8.08	62	421090	146.935	ug/l 100
37) Trichloroethene	8.80	130	247929	141.183	ug/l 95
38) Methylcyclohexane	9.05	83	438885	150.197	ug/l 97
39) 1,2-Dichloropropane	9.08	63	276779	127.890	ug/l 100
40) Dibromomethane	9.17	93	180587	140.157	ug/l 99

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Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 5:45:00 PM

Quant Time: Aug 14 05:57:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 05:30:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	421741	152.384	ug/l	98
42) Vinyl Acetate	5.84	43	2929403	542.431	ug/l	100
43) Ethyl Acetate	6.88	43	323574	119.675	ug/l #	87
44) Isopropyl Acetate	8.13	43	571691	126.693	ug/l #	88
45) 1,4-Dioxane	9.17	88	109786	3330.860	ug/l	95
46) Methyl methacrylate	9.17	41	292541	135.584	ug/l	98
47) n-amyl Acetate	12.05	43	554384	143.723	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	455593	144.345	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	457609	136.610	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	266166	146.870	ug/l	99
51) Ethyl methacrylate	10.40	69	453973	152.774	ug/l	96
52) 1,3-Dichloropropane	10.68	76	463752	141.058	ug/l	99
53) Dibromochloromethane	10.88	129	331138	164.370	ug/l	99
54) 1,2-Dibromoethane	10.98	107	278214	149.910	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	569654	633.340	ug/l	98
56) Bromoform	12.10	173	242755	175.105	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	1916549	682.793	ug/l	98
59) 2-Hexanone	10.72	43	1437949	699.822	ug/l	96
61) Tetrachloroethene	10.60	164	212954	140.447	ug/l	97
62) Toluene	10.12	91	1116927	135.083	ug/l	97
64) Chlorobenzene	11.41	112	724451	146.535	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	295233	157.395	ug/l	99
66) Ethyl Benzene	11.48	91	1344603	146.885	ug/l	100
67) m/p-Xylenes	11.60	106	993470	295.141	ug/l	99
68) o-Xylene	11.92	106	484806	151.281	ug/l	99
69) Styrene	11.94	104	868825	157.369	ug/l	100
70) Isopropylbenzene	12.23	105	1372362	157.464	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	413399	146.133	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	399871m	143.071	ug/l	
73) Bromobenzene	12.50	156	326124	159.478	ug/l	100
74) n-propylbenzene	12.57	91	1591718	154.470	ug/l	98
75) 2-Chlorotoluene	12.65	91	971548	154.963	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	1229208	163.911	ug/l	100
77) t-1,4-Dichloro-2-butene	12.28	75	144299	144.400	ug/l	94
78) 4-Chlorotoluene	12.75	91	1022777	160.345	ug/l	100
79) tert-butylbenzene	12.97	119	1032112	166.800	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	1242068	169.249	ug/l	99
81) sec-Butylbenzene	13.15	105	1371317	165.476	ug/l	99
82) p-Isopropyltoluene	13.26	119	1269148	173.199	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	604743	169.998	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	597473	170.571	ug/l	97
85) n-Butylbenzene	13.59	91	1089908	175.851	ug/l	96
86) Hexachloroethane	13.85	117	236216	164.402	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	578786	168.849	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	105487	196.343	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	339642	203.992	ug/l	99
90) Hexachlorobutadiene	14.98	225	177237	182.555	ug/l	97
91) Naphthalene	15.10	128	956742	214.679	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	333180	199.277	ug/l	97

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MSVOA_N
ClientSampleId :
VSTDICC150

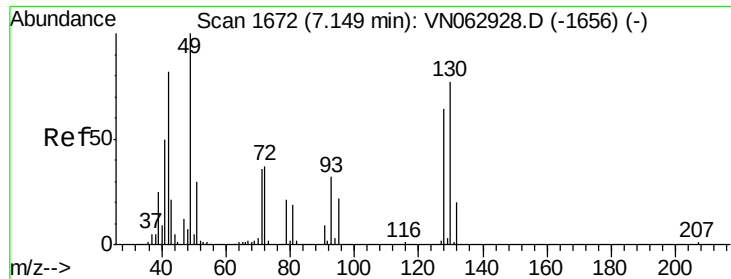
Manual Integrations
APPROVED

MMDadoda
8/17/2020 5:45:00 PM

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QLast Update : Fri Aug 14 05:30:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 28532

Ion Ratio Lower Upper

128 100

49 175.7 0.0 410.0

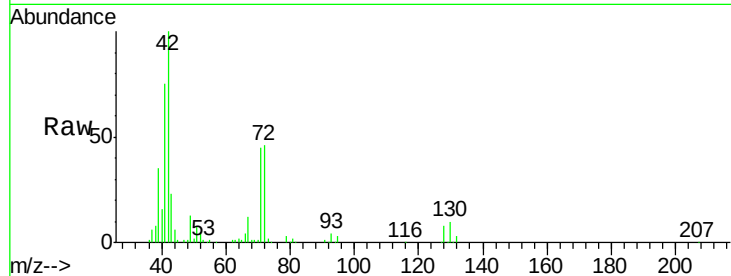
130 130.0 0.0 316.5

Manual Integrations

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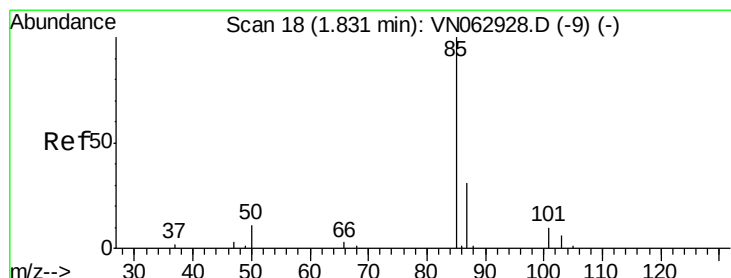
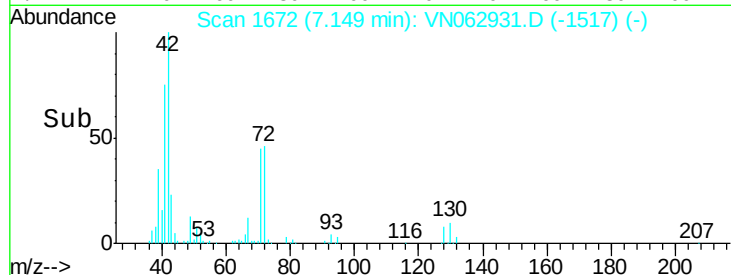
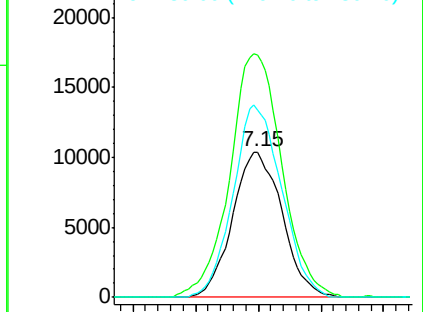
8/17/2020 5:45:00 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 204.715 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062931.D

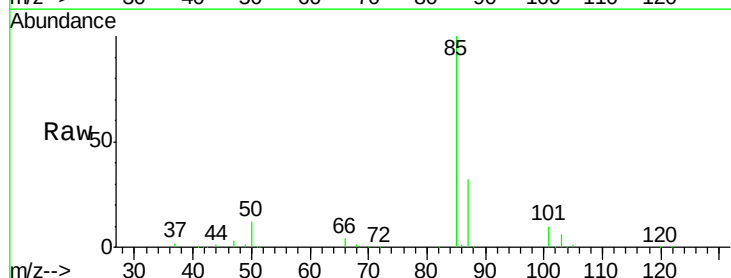
Acq: 14 Aug 2020 00:09

Tgt Ion: 85 Resp: 383798

Ion Ratio Lower Upper

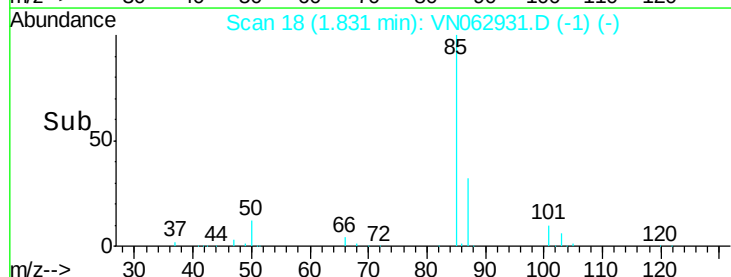
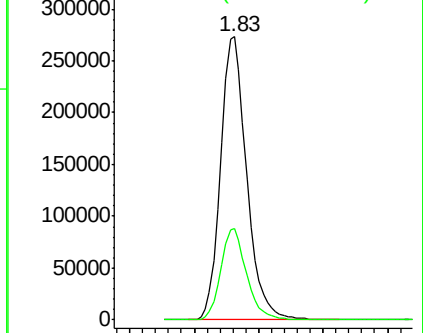
85 100

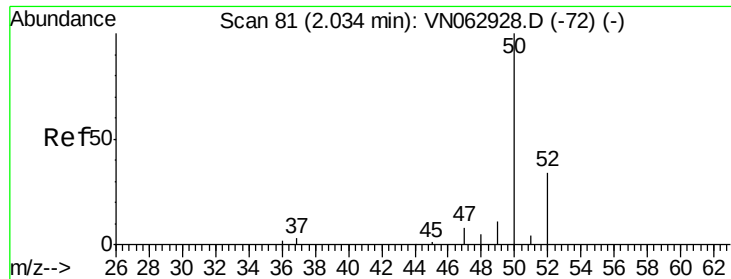
87 32.1 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 130.205 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 305785

Ion Ratio Lower Upper

50 100

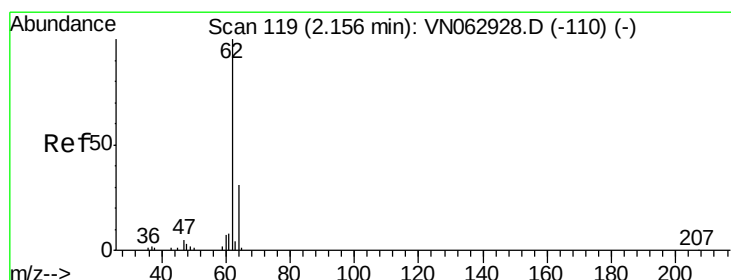
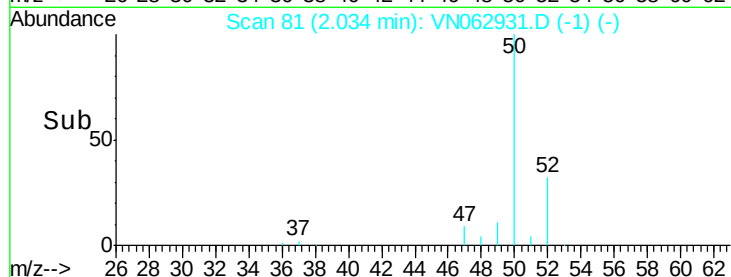
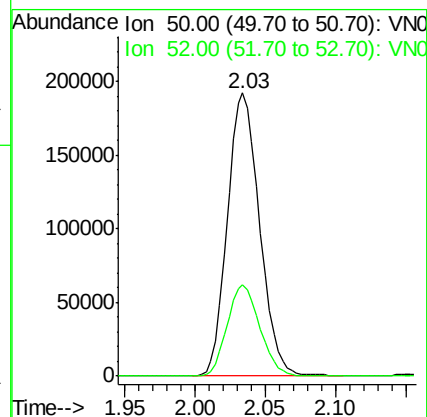
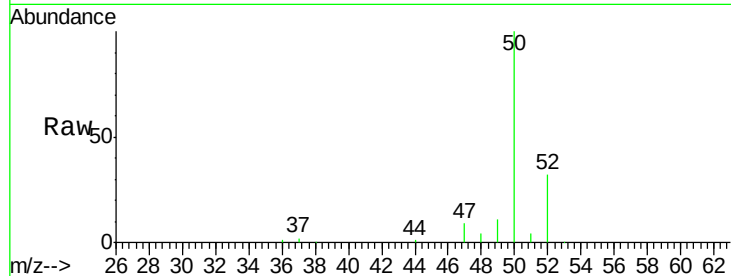
52 32.2 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 140.152 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062931.D

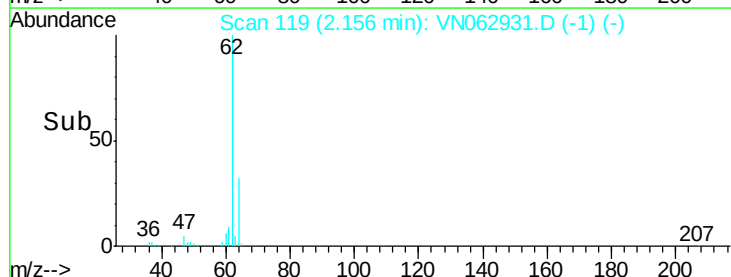
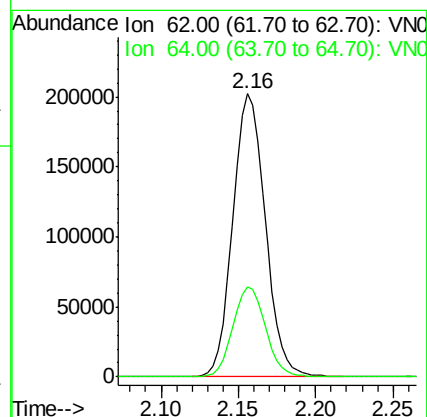
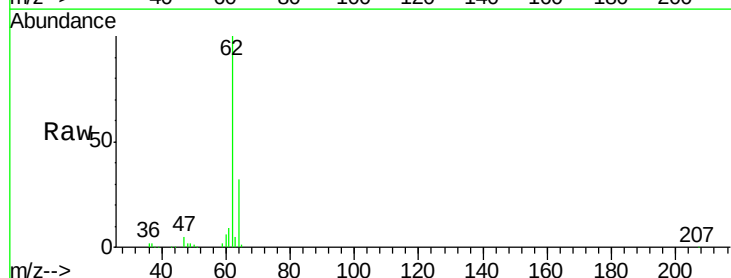
Acq: 14 Aug 2020 00:09

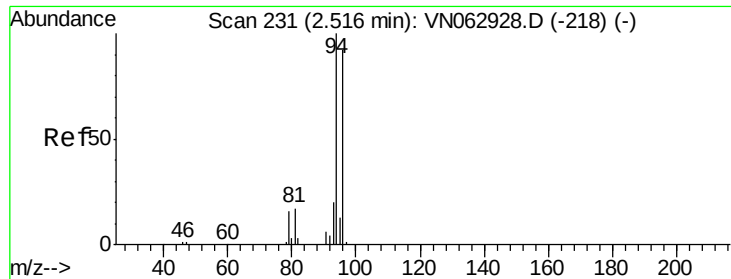
Tgt Ion: 62 Resp: 294266

Ion Ratio Lower Upper

62 100

64 31.9 24.6 37.0





#5

Bromomethane

Concen: 223.495 ug/l

RT: 2.49 min Scan# 224

Delta R.T. -0.02 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 278182

Ion Ratio Lower Upper

94 100

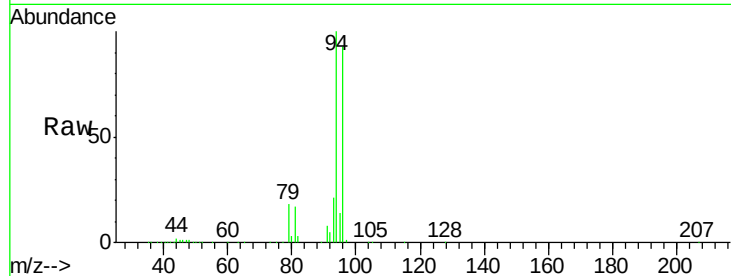
96 93.5 73.7 110.5

Manual Integrations

APPROVED

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Abundance Ion 94.00 (93.70 to 94.70): VN062931.D (-224) (-)

Ion 96.00 (95.70 to 96.70): VN062931.D (-224) (-)

2.49

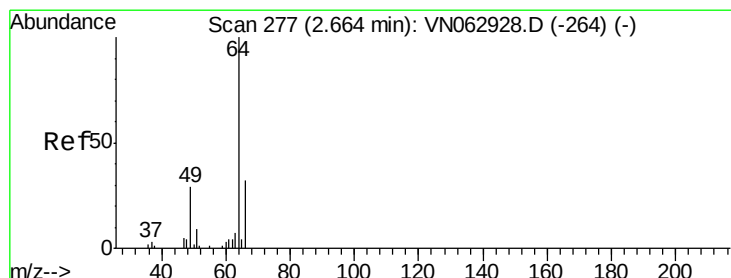
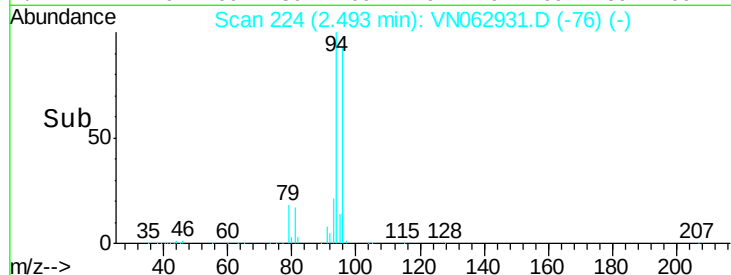
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 225.660 ug/l

RT: 2.64 min Scan# 270

Delta R.T. -0.02 min

Lab File: VN062931.D

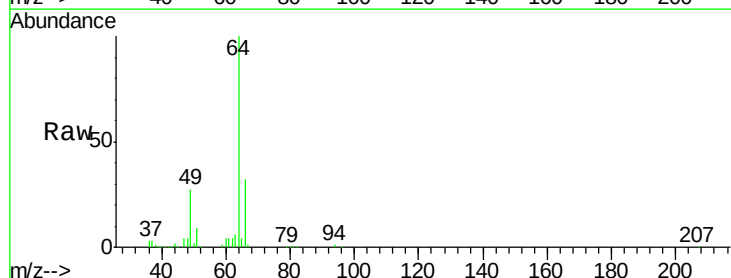
Acq: 14 Aug 2020 00:09

Tgt Ion: 64 Resp: 278526

Ion Ratio Lower Upper

64 100

66 32.2 25.3 37.9



Abundance Ion 64.00 (63.70 to 64.70): VN062931.D (-122) (-)

Ion 66.00 (65.70 to 66.70): VN062931.D (-122) (-)

2.64

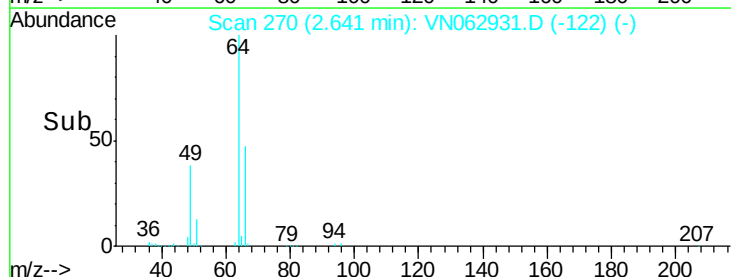
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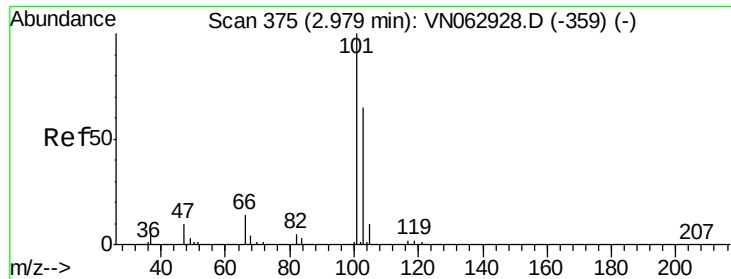
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50000

0

Time-->





#7

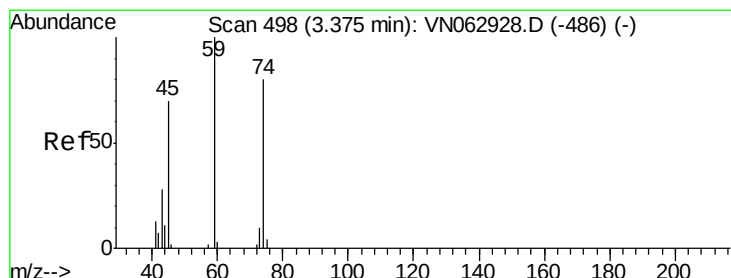
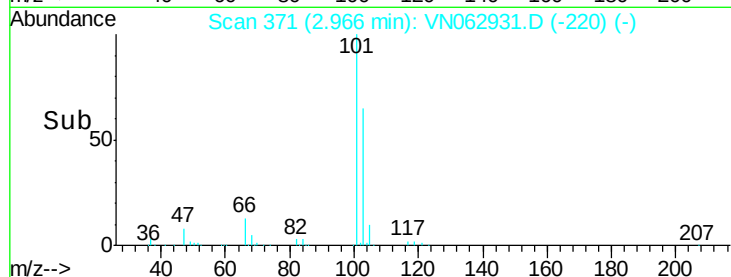
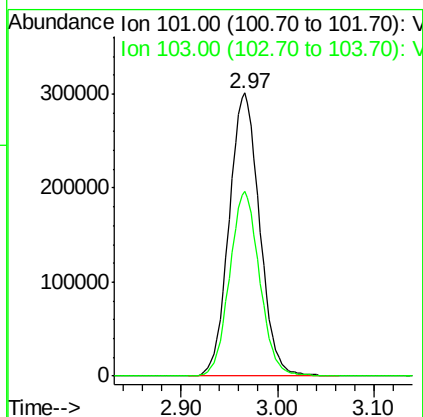
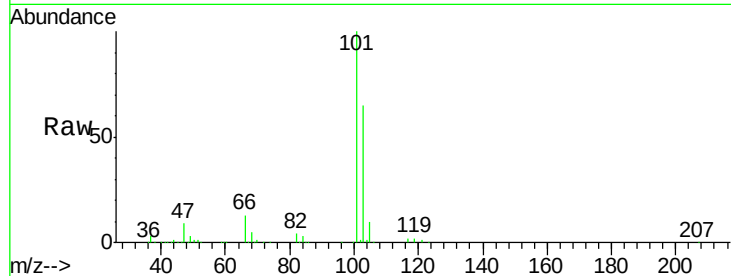
Trichlorofluoromethane
Concen: 223.803 ug/l
RT: 2.97 min Scan# 371
Delta R.T. -0.01 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.8	77.6

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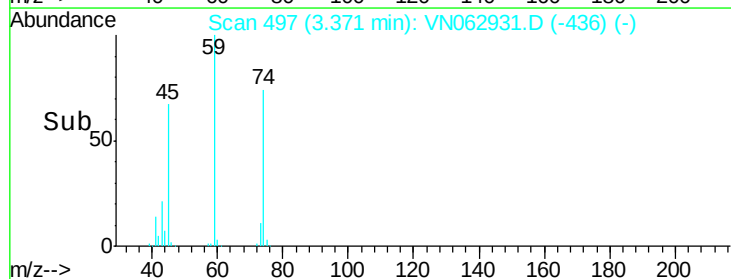
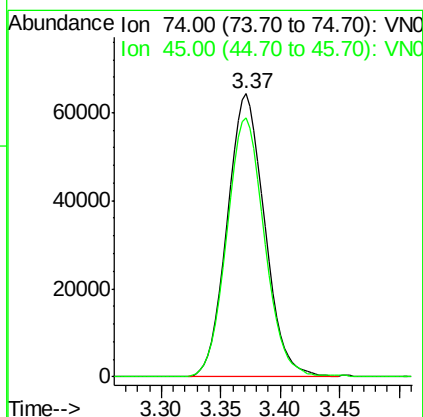
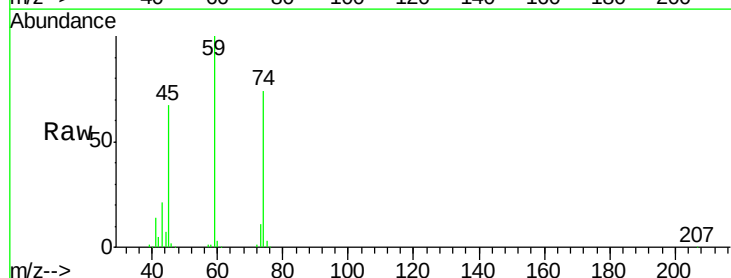
MMDadoda
8/17/2020 5:45:00 PM

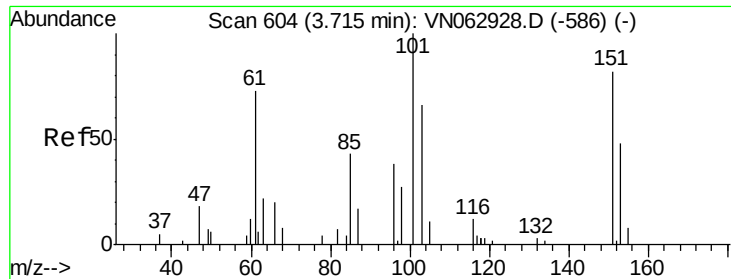


#8

Diethyl Ether
Concen: 122.806 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 133.062 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

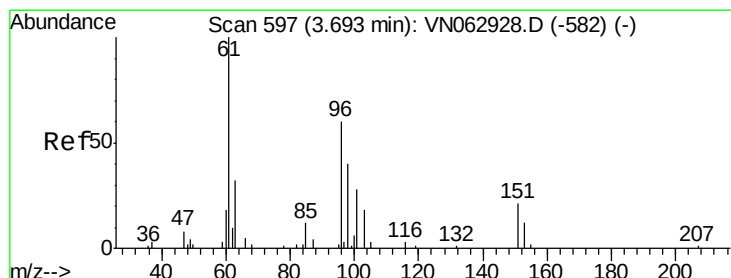
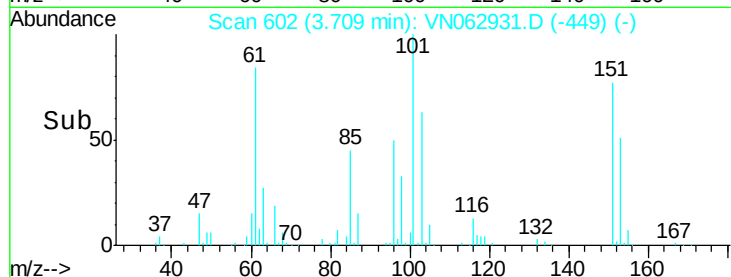
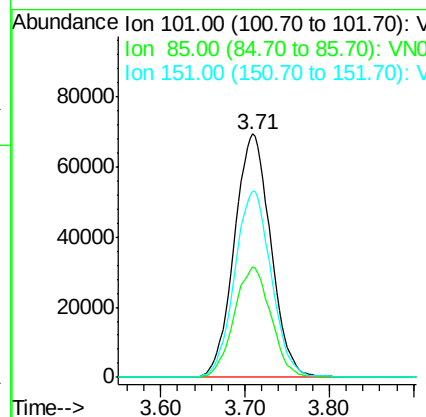
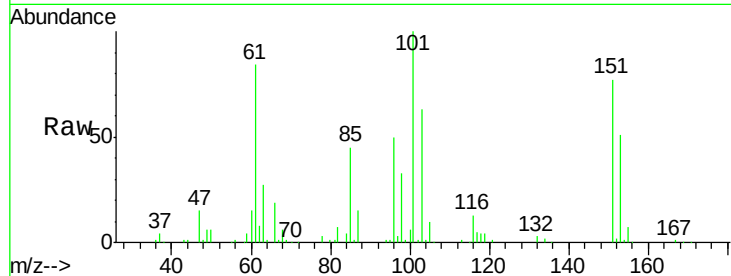
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	209071
Ion Ratio	Lower	Upper	
101	100		
85	45.6	0.0	92.4
151	76.7	0.0	162.6

Manual Integrations
APPROVED

MMDadoda
8/17/2020 5:45:00 PM



#10

1,1-Dichloroethene

Concen: 124.205 ug/l

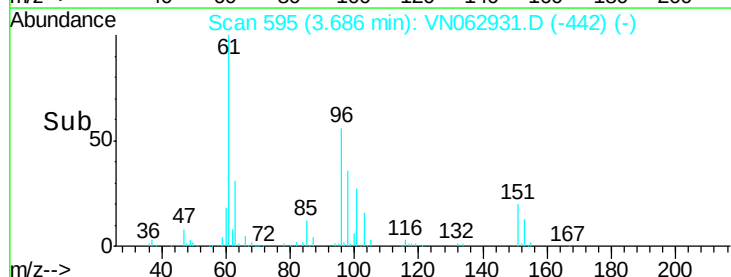
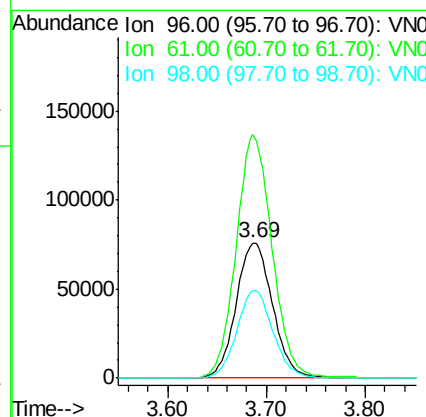
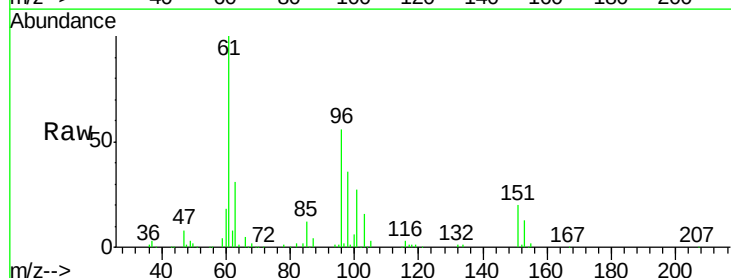
RT: 3.69 min Scan# 595

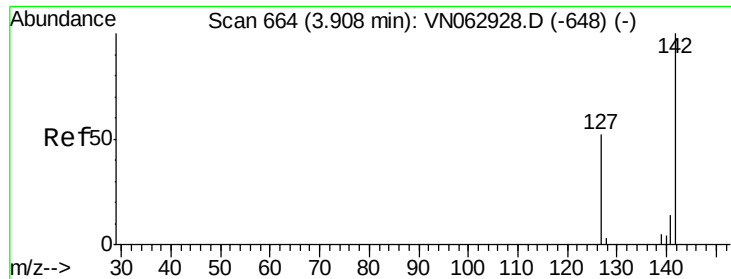
Delta R.T. -0.01 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Tgt Ion:	96	Resp:	195205
Ion Ratio	Lower	Upper	
96	100		
61	179.7	134.5	201.7
98	64.7	53.3	79.9





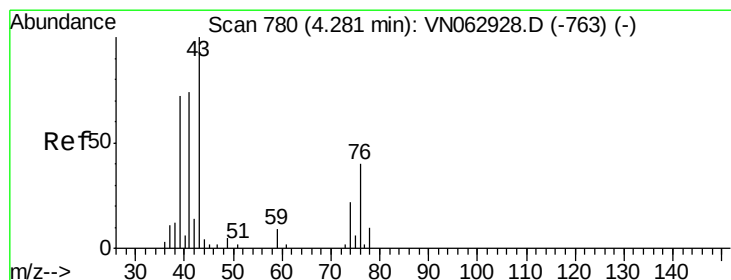
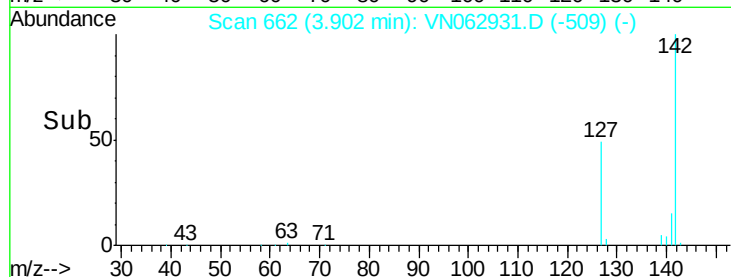
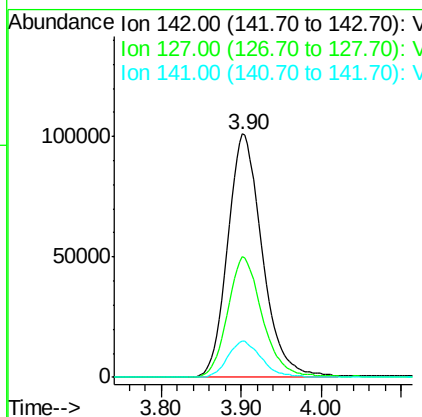
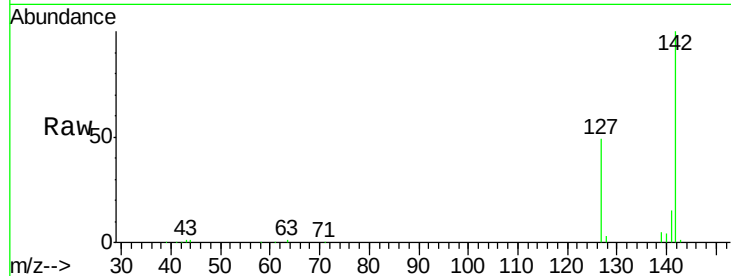
#11
Methvl Iodide
Concen: 151.435 ug/l
RT: 3.90 min Scan# 662
Delta R.T. -0.01 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	49.3	26.1	78.3
141	15.1	7.2	21.7

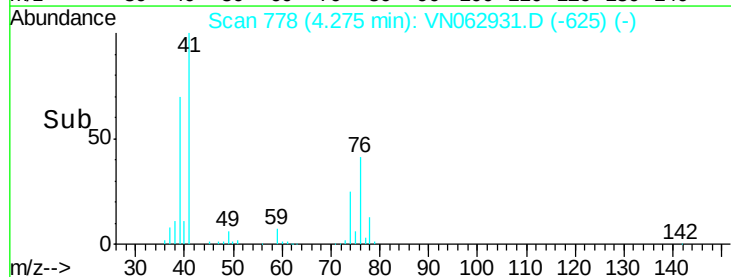
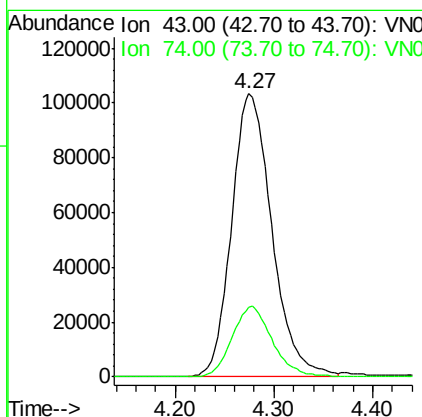
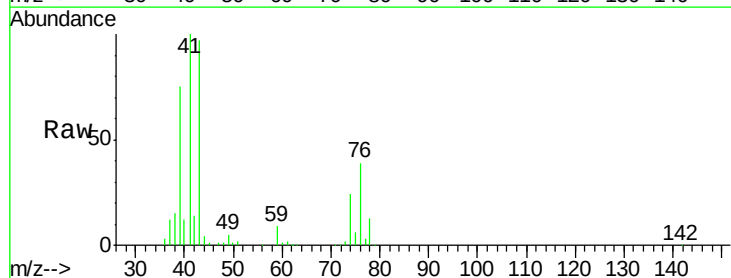
Manual Integrations
APPROVED

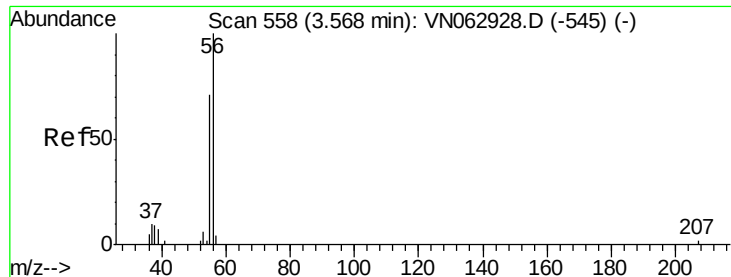
MMDadoda
8/17/2020 5:45:00 PM



#12
Methyl Acetate
Concen: 134.875 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.01 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	18.1	27.1





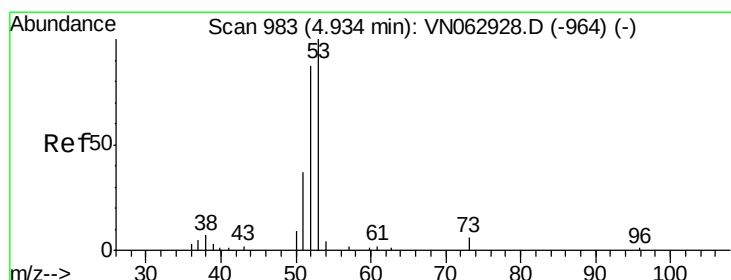
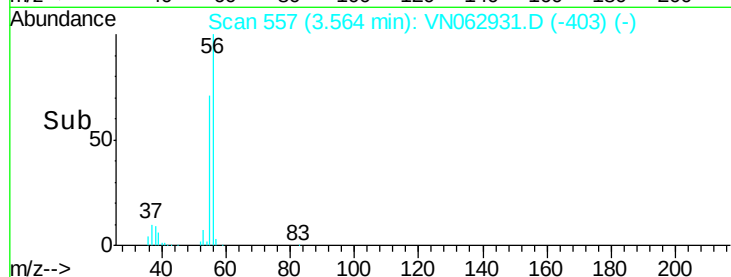
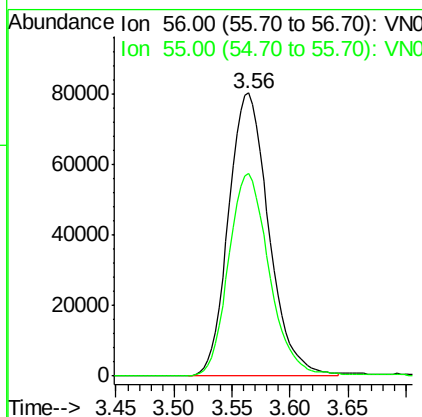
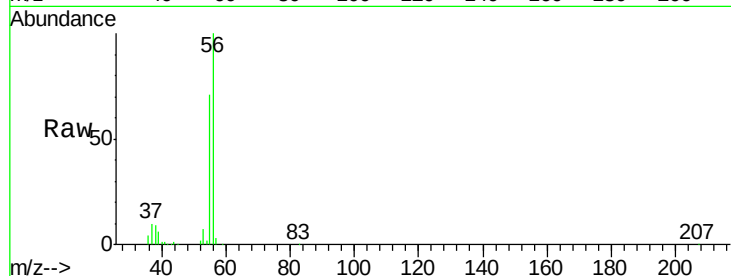
#13
Acrolein
Concen: 633.749 ug/l
RT: 3.56 min Scan# 557
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	194244
Ion Ratio	100	Lower	Upper
56	100	60.2	90.4
55	72.3		

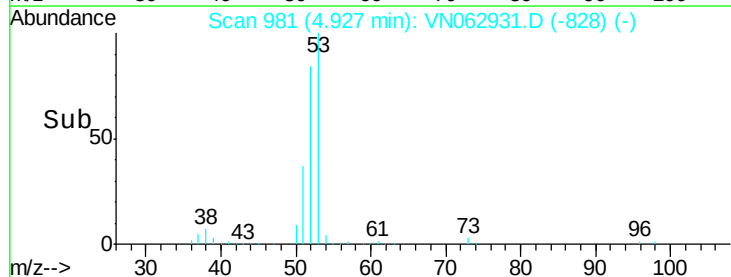
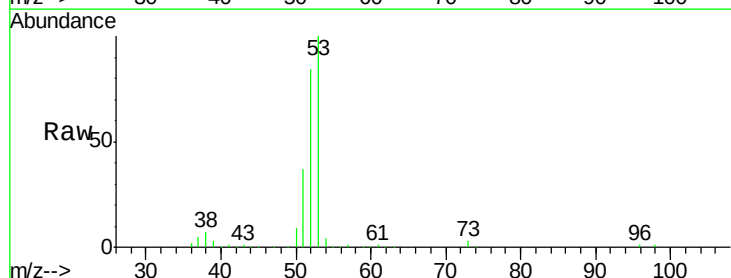
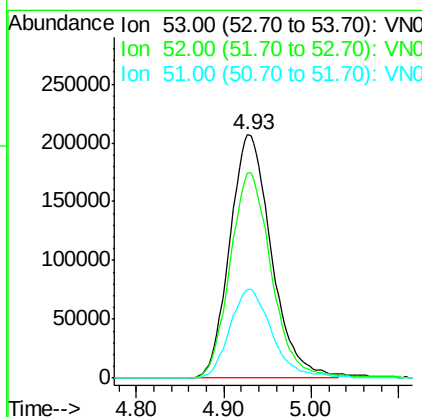
Manual Integrations
APPROVED

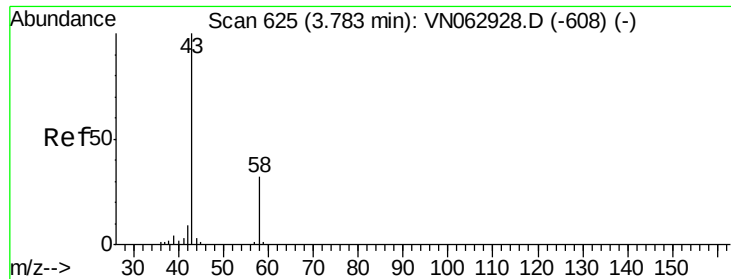
MMDadoda
8/17/2020 5:45:00 PM



#14
Acrylonitrile
Concen: 691.858 ug/l
RT: 4.93 min Scan# 981
Delta R.T. -0.01 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion	53	Resp	683991
Ion Ratio	100	Lower	Upper
53	100	43.1	129.4
52	83.9		
51	37.2		





#15

Acetone

Concen: 615.374 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.01 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 58 Resp: 177060

Ion Ratio Lower Upper

58 100

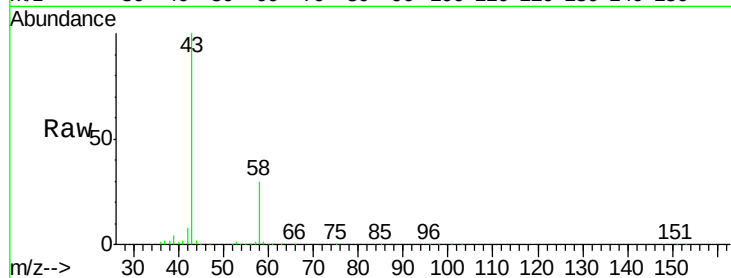
43 328.2 250.0 375.0

Manual Integrations

APPROVED

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Abundance Ion 58.00 (57.70 to 58.70): VN062928.D (-608) (-)

Ion 43.00 (42.70 to 43.70): VN062928.D (-608) (-)

250000

200000

150000

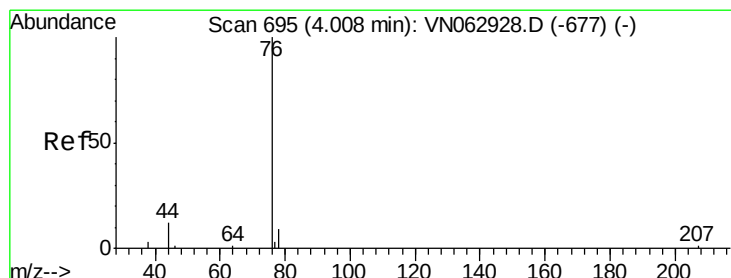
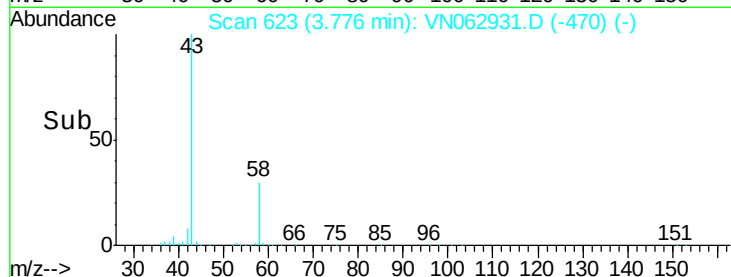
100000

50000

0

3.78

Time-->



#16

Carbon Disulfide

Concen: 106.298 ug/l

RT: 4.00 min Scan# 693

Delta R.T. -0.01 min

Lab File: VN062931.D

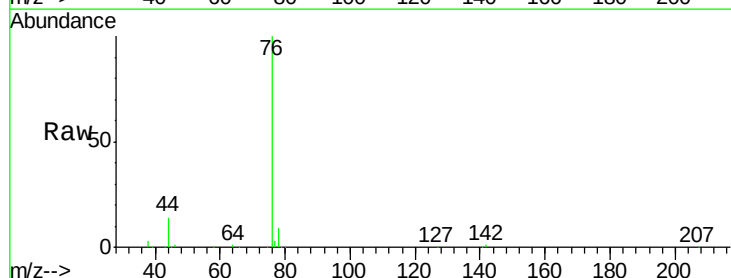
Acq: 14 Aug 2020 00:09

Tgt Ion: 76 Resp: 530731

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN062928.D (-677) (-)

Ion 78.00 (77.70 to 78.70): VN062928.D (-677) (-)

200000

150000

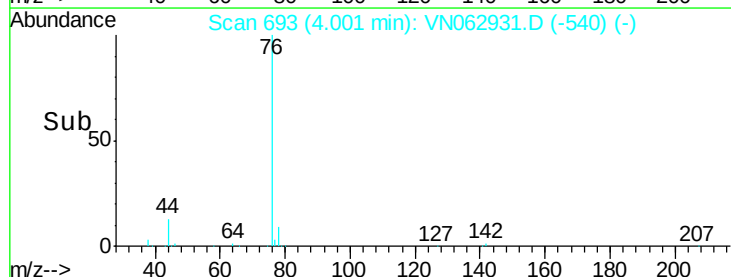
100000

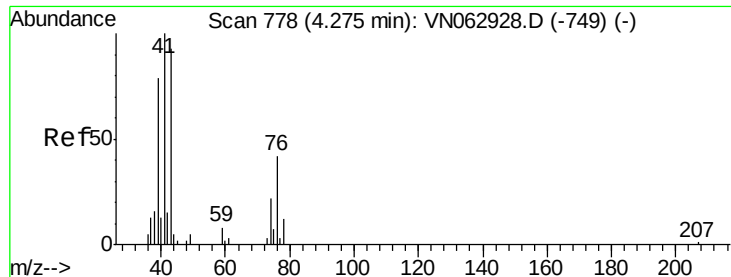
50000

0

4.00

Time-->





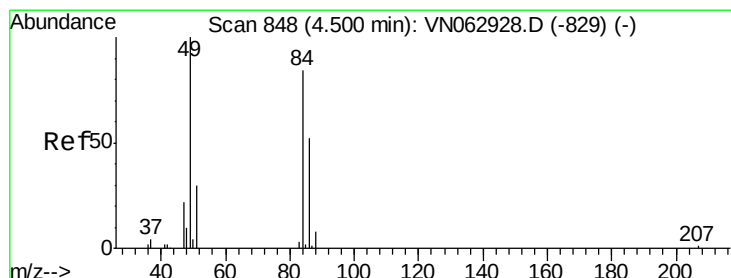
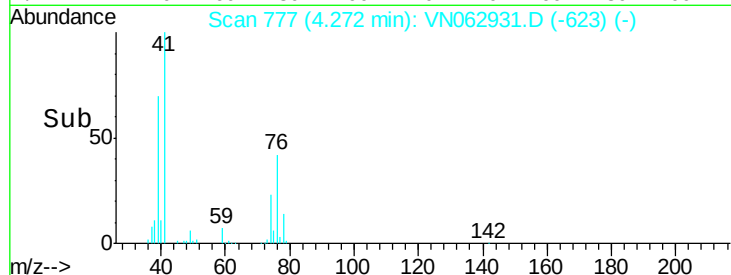
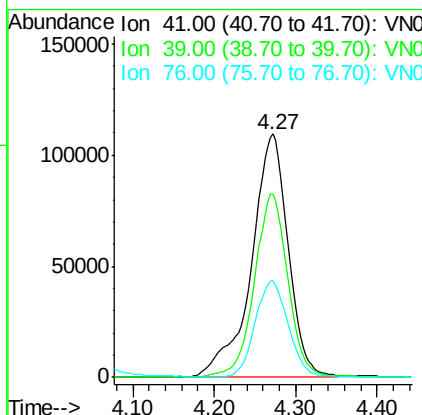
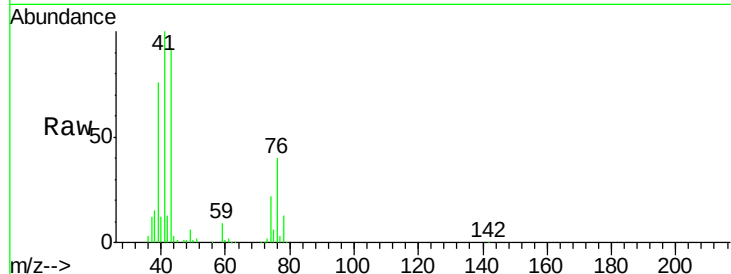
#17
Allvl chloride
Concen: 107.985 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	344225
Ion	Ratio	Lower	Upper
41	100		
39	75.5	39.6	118.7
76	39.3	21.3	63.7

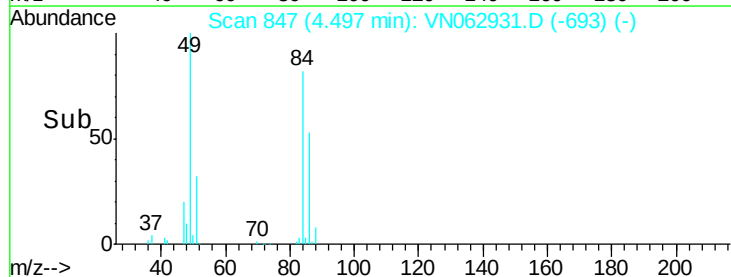
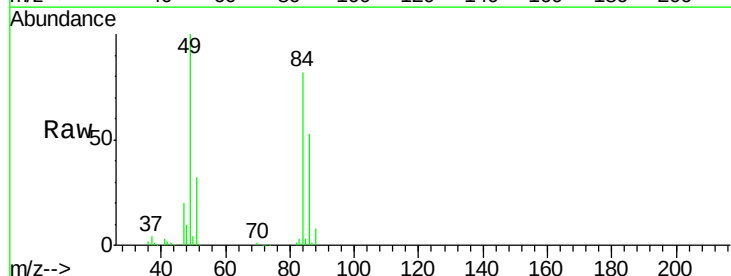
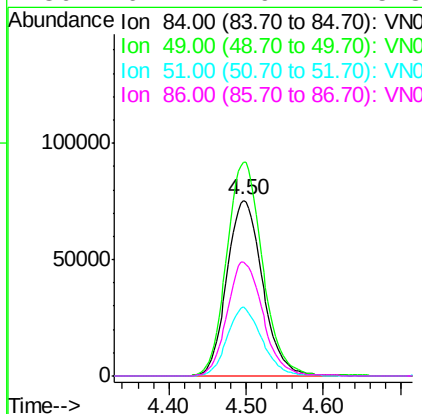
Manual Integrations
APPROVED

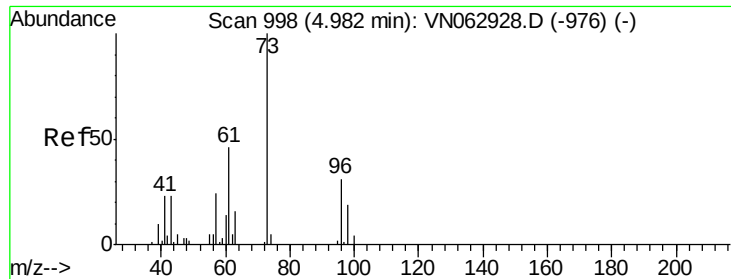
MMDadoda
8/17/2020 5:45:00 PM



#18
Methylene Chloride
Concen: 124.831 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion:	84	Resp:	242232
Ion	Ratio	Lower	Upper
84	100		
49	121.5	95.0	142.6
51	39.4	28.2	42.4
86	64.7	49.2	73.8





#19

trans-1,2-Dichloroethene

Concen: 123.954 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

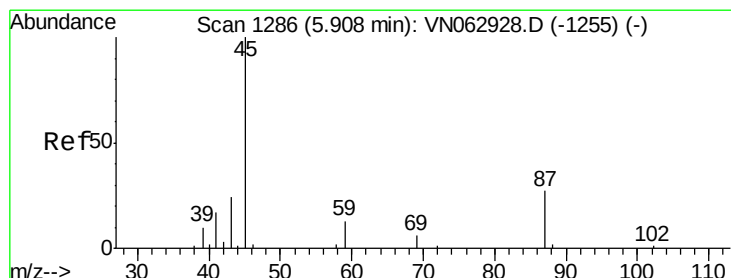
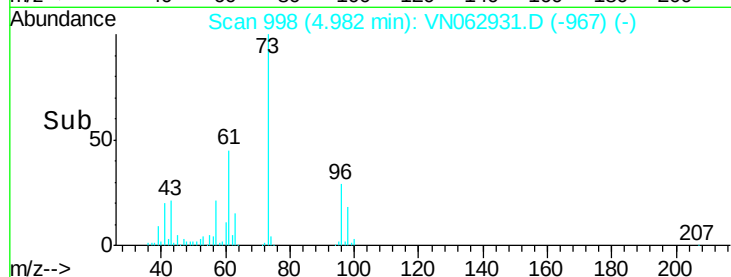
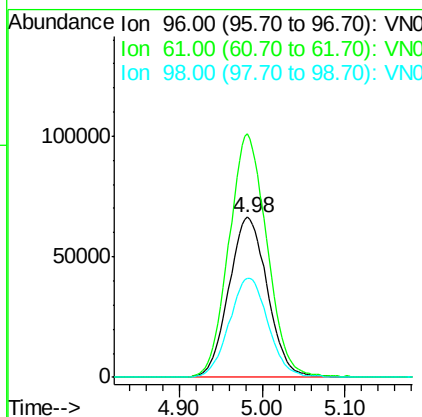
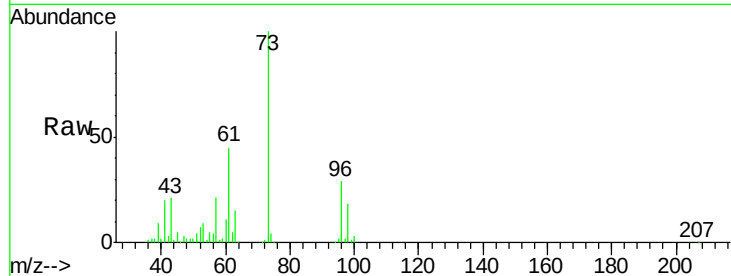
ClientSampled :

VSTDIC150

Tot Ion:	96	Resp:	215252
Ion	Ratio	Lower	Upper
96	100		
61	151.9	118.0	177.0
98	62.0	48.7	73.1

Manual Integrations
APPROVED

MMDadoda
8/17/2020 5:45:00 PM



#20

Diisopropyl ether

Concen: 118.990 ug/l

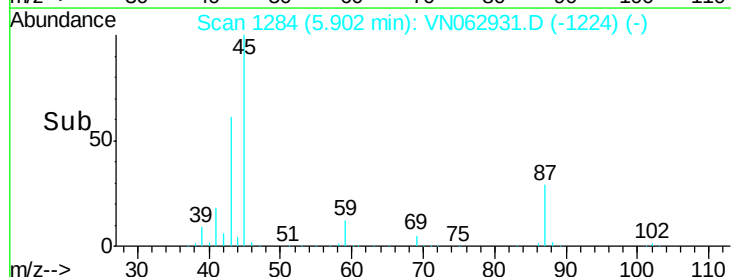
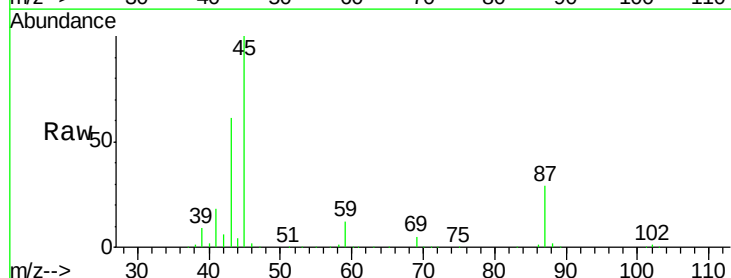
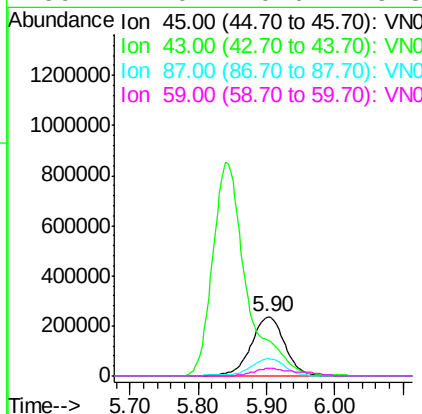
RT: 5.90 min Scan# 1284

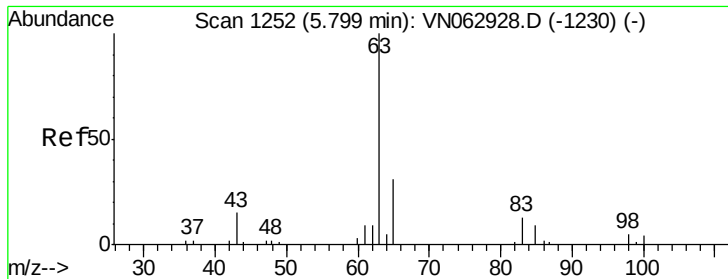
Delta R.T. -0.01 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Tgt Ion:	45	Resp:	807239
Ion	Ratio	Lower	Upper
45	100		
43	59.8	48.6	72.8
87	29.2	22.6	34.0
59	12.0	10.6	15.8





#21

1,1-Dichloroethane

Concen: 123.315 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

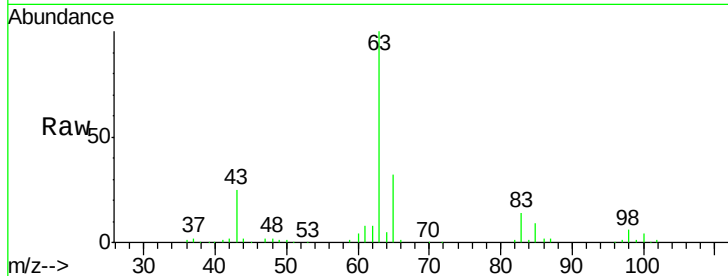
ClientSampleId :

VSTDIC150

Tot Ion:	63	Resp:	451290
Ion Ratio	Lower	Upper	
63	100		
98	6.1	2.6	7.8
100	4.0	2.1	6.5

Manual Integrations
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MMDadoda
8/17/2020 5:45:00 PM

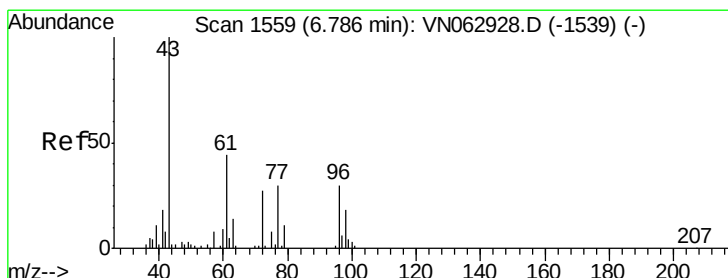
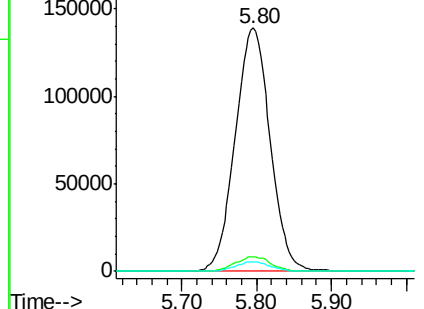
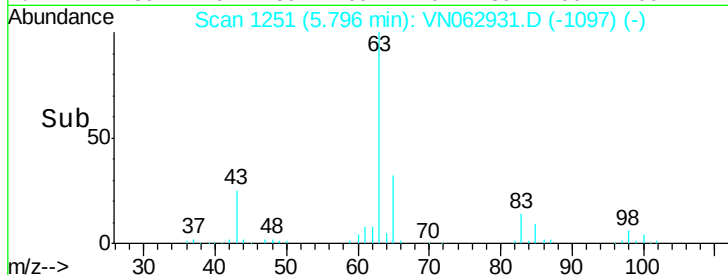


Abundance Ion 63.00 (62.70 to 63.70): VN062928.D (-1230) (-)

Ion 98.00 (97.70 to 98.70): VN062928.D (-1230) (-)

Ion 100.00 (99.70 to 100.70): VN062928.D (-1230) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 131.916 ug/l

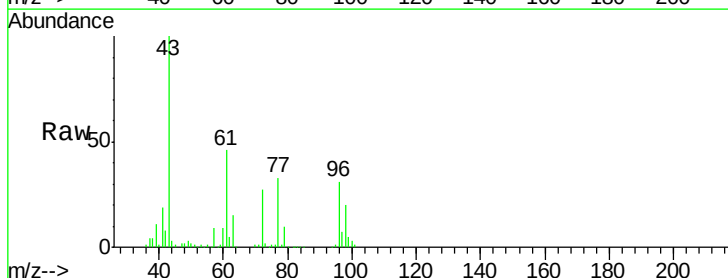
RT: 6.78 min Scan# 1557

Delta R.T. -0.01 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Tgt Ion:	96	Resp:	261730
Ion Ratio	Lower	Upper	
96	100		
61	153.0	124.9	187.3
98	65.3	27.8	41.6#

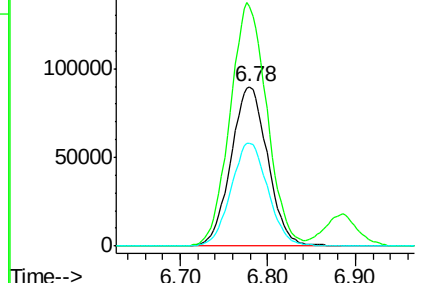
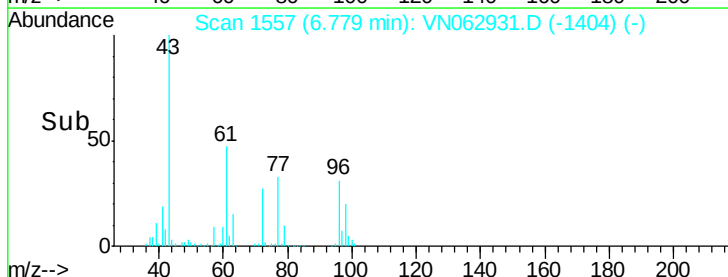


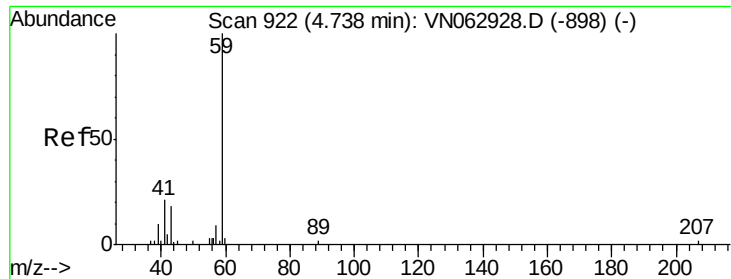
Abundance Ion 96.00 (95.70 to 96.70): VN062928.D (-1539) (-)

Ion 61.00 (60.70 to 61.70): VN062928.D (-1539) (-)

Ion 98.00 (97.70 to 98.70): VN062928.D (-1539) (-)

Time-->





#23

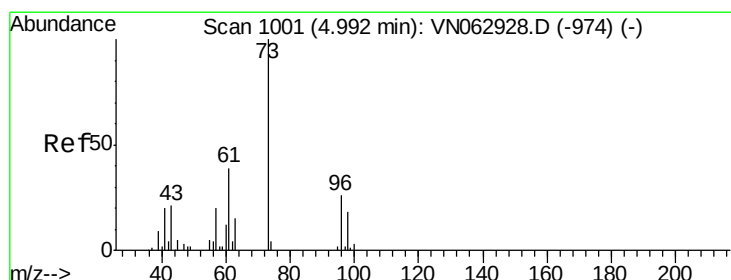
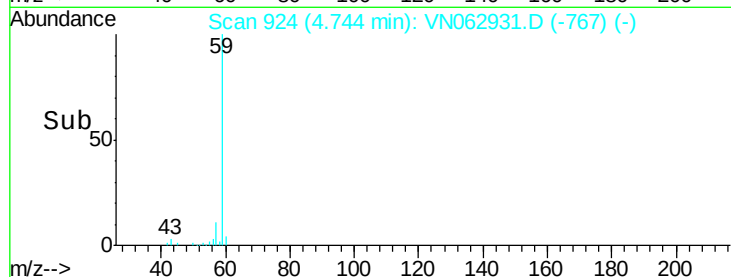
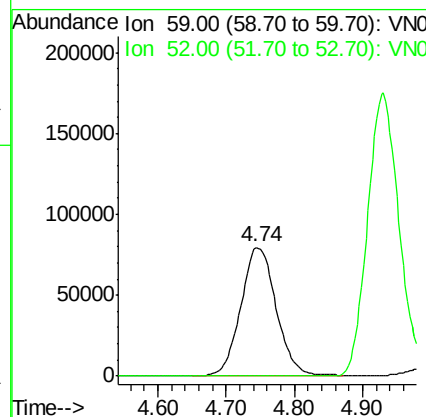
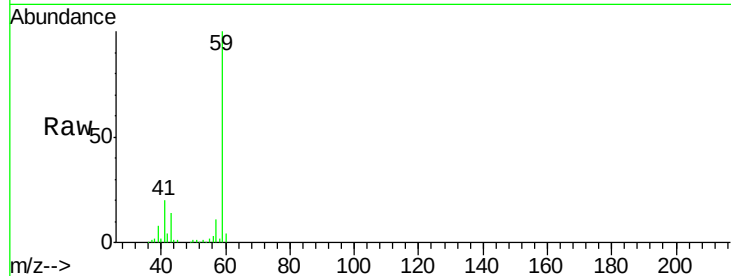
tert-Butyl Alcohol
Concen: 830.470 ug/l
RT: 4.74 min Scan# 924
Delta R.T. 0.01 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0#

Manual Integrations
APPROVED

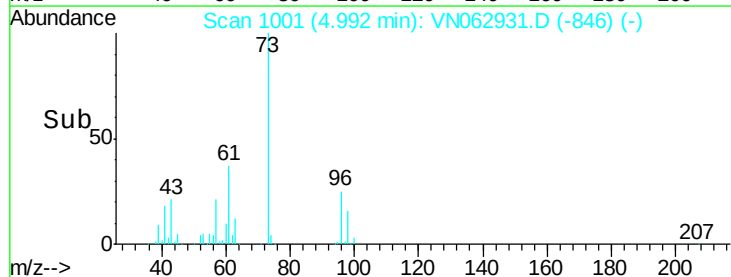
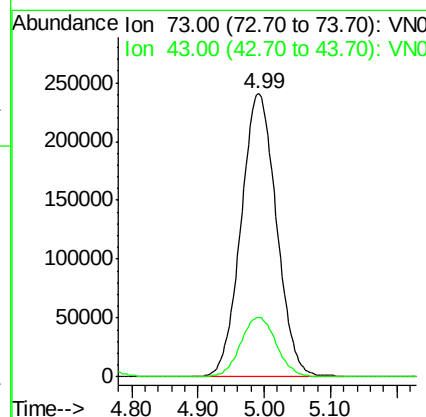
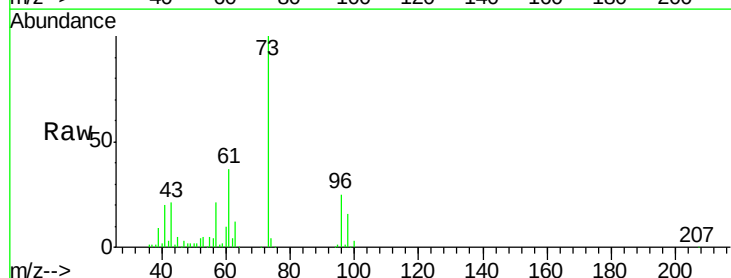
MMDadoda
8/17/2020 5:45:00 PM

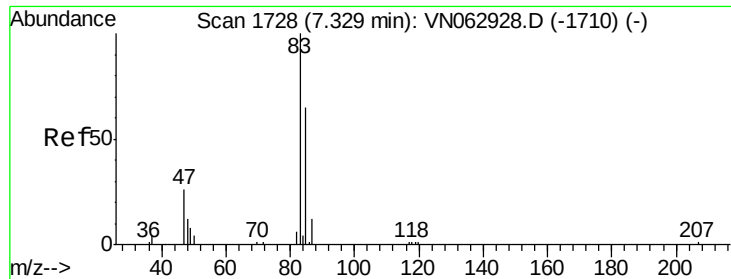


#24

Methyl tert-Butyl Ether
Concen: 150.005 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.9	17.3	25.9





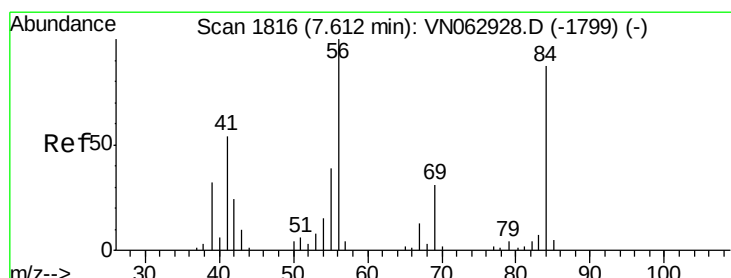
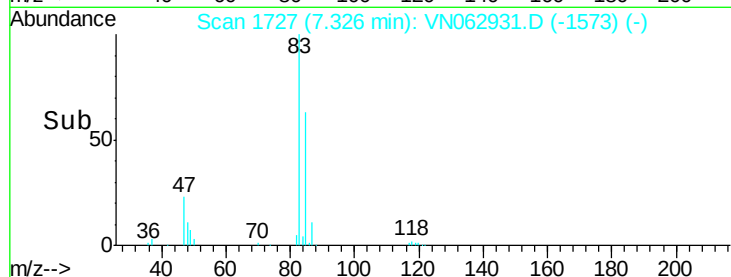
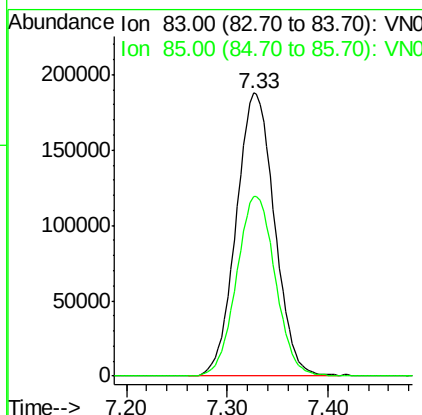
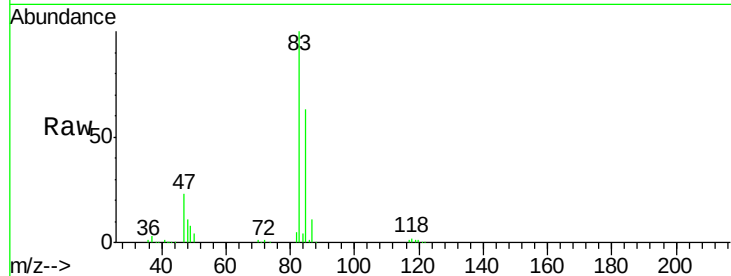
#25
Chloroform
Concen: 143.185 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	494246
Ion Ratio	100	Lower	Upper
85	63.4	52.3	78.5

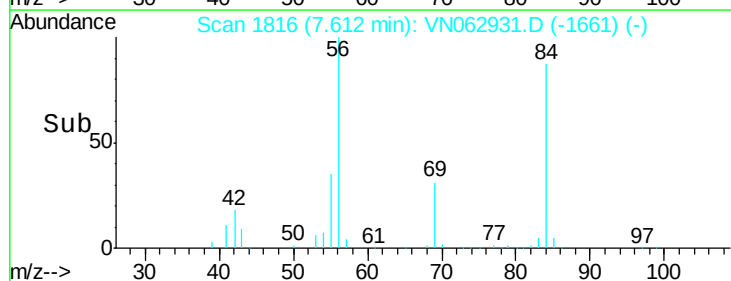
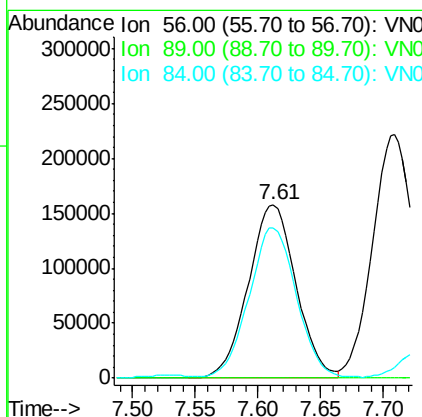
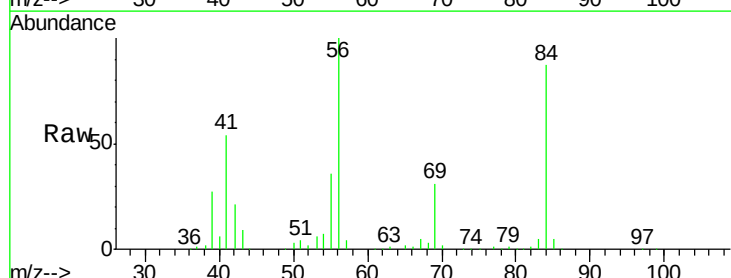
Manual Integrations
APPROVED

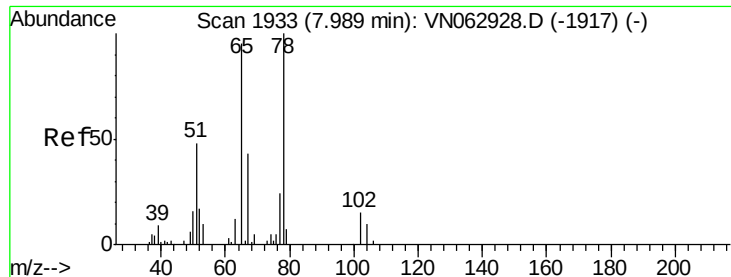
MMDadoda
8/17/2020 5:45:00 PM



#26
Cyclohexane
Concen: 131.480 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion	56	Resp	418300
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	86.6	71.9	107.9





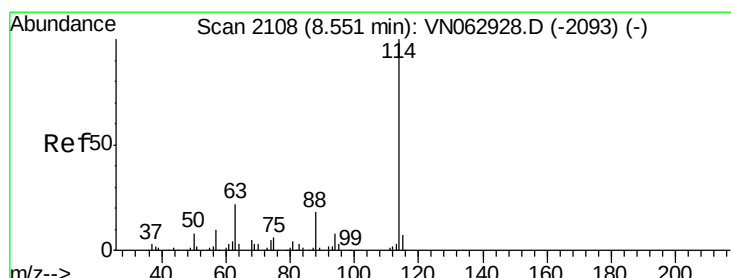
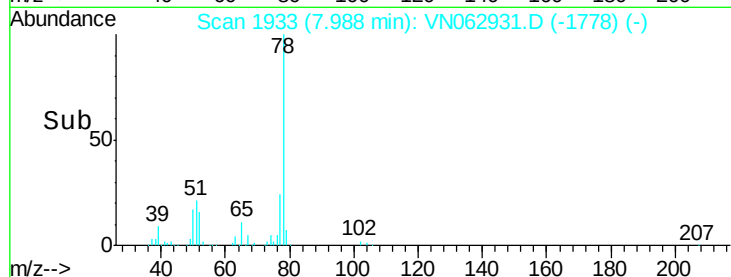
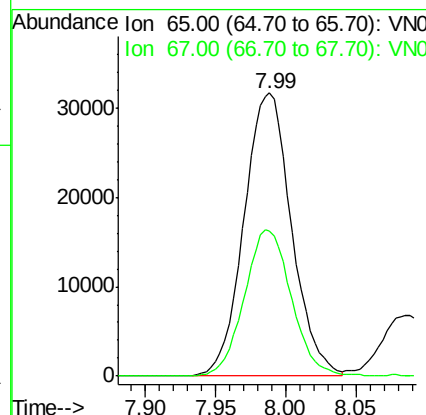
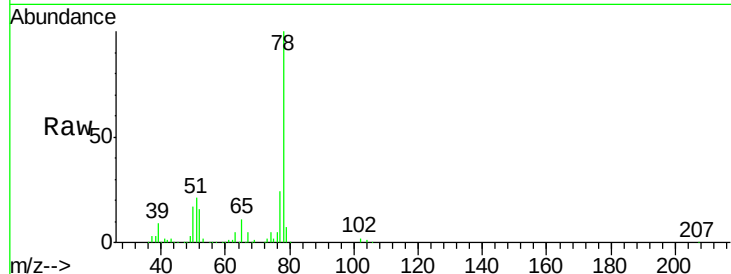
#27
 1,2-Dichloroethane-d4
 Concen: 30.095 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.0	39.5	59.3

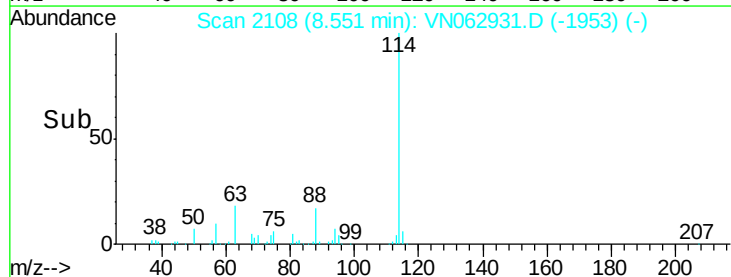
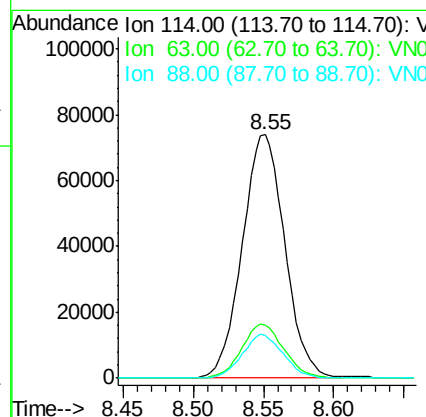
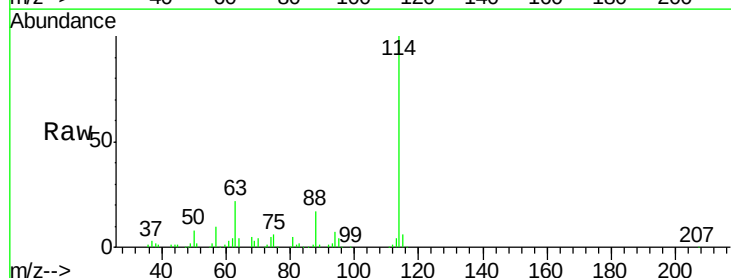
Manual Integrations
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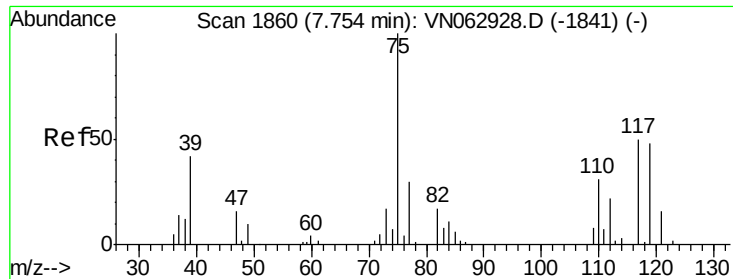
MMDadoda
 8/17/2020 5:45:00 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	17.7	26.5
88	17.2	13.9	20.9





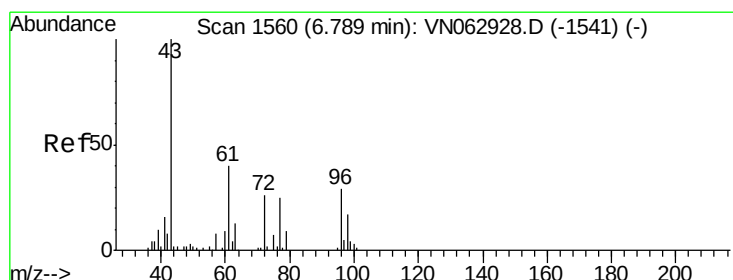
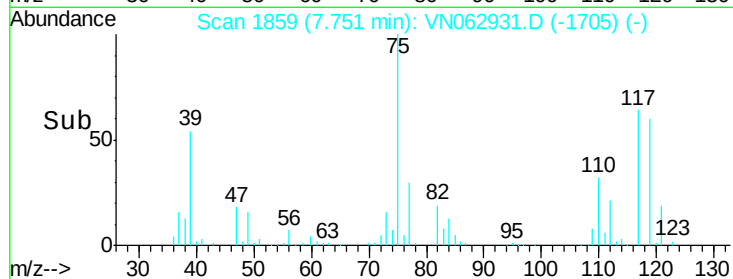
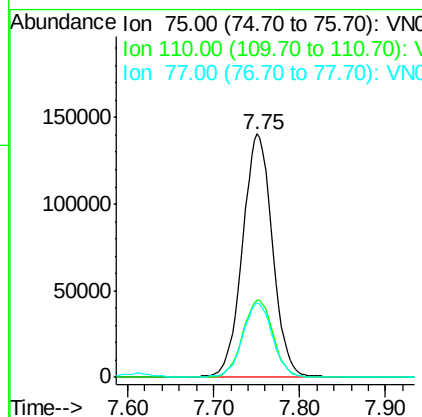
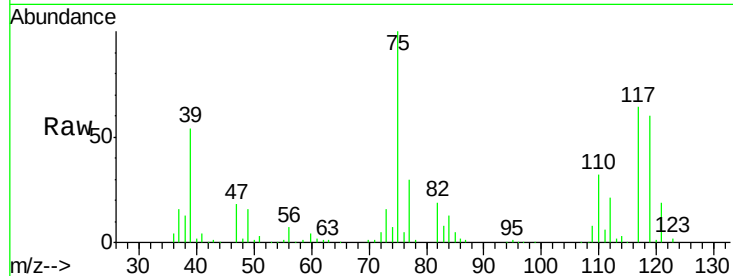
#29
 1,1-Dichloropropene
 Concen: 132.199 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.2	0.0	65.8
77	30.5	0.0	59.8

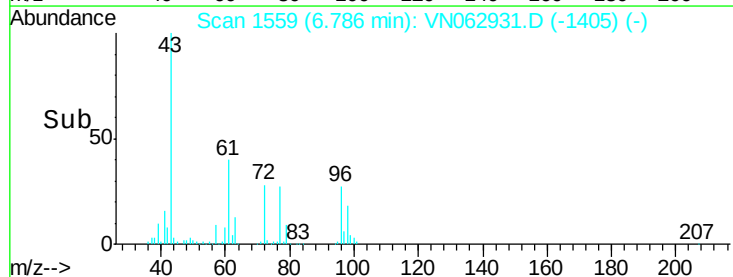
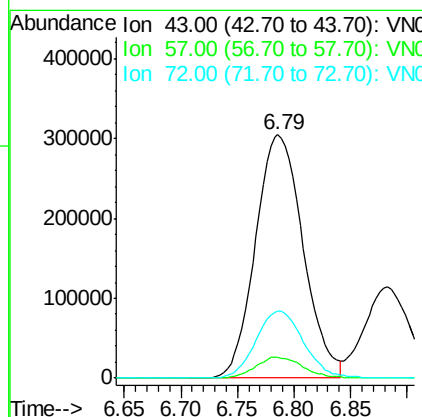
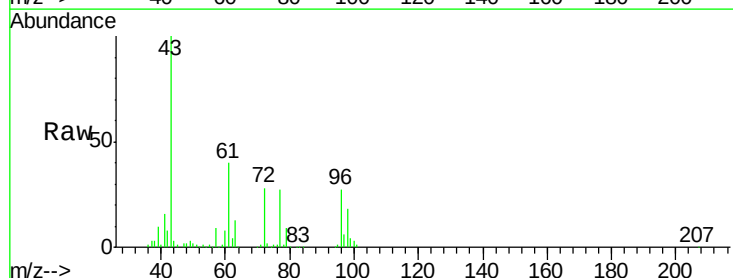
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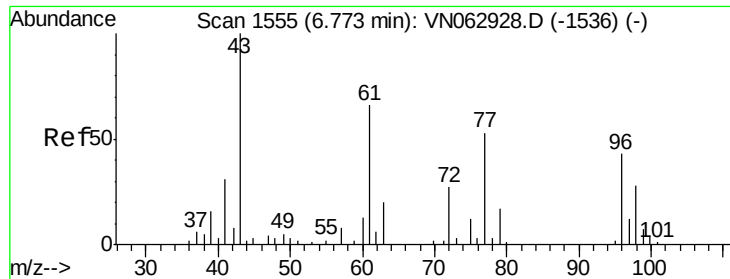
MMDadoda
 8/17/2020 5:45:00 PM



#30
 2-Butanone
 Concen: 664.991 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.7	7.0	10.6
72	27.9	22.0	33.0





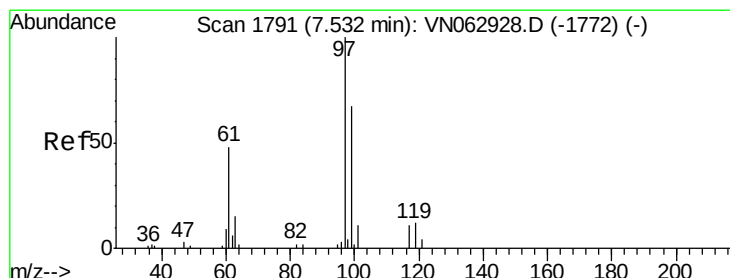
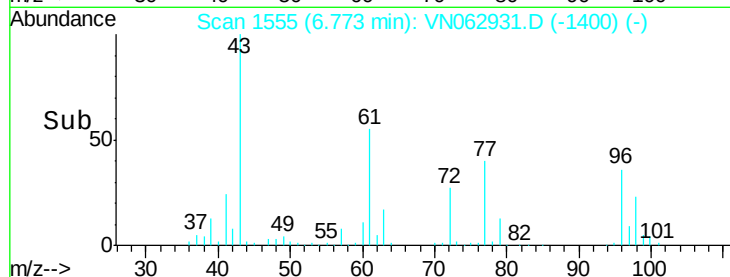
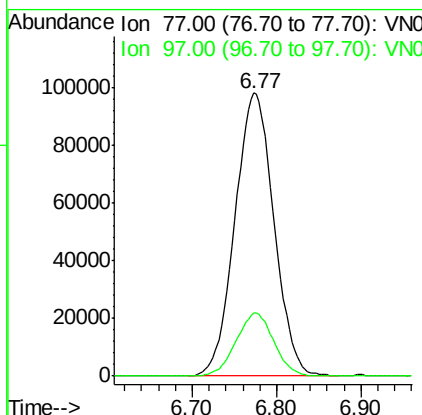
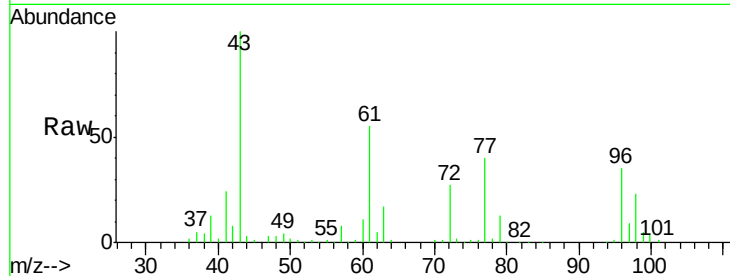
#31
 2,2-Dichloropropane
 Concen: 110.615 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.7	16.1	24.1

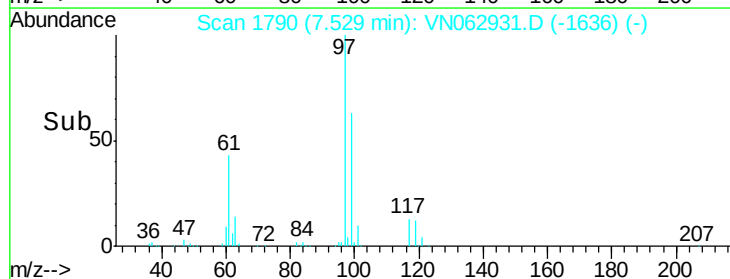
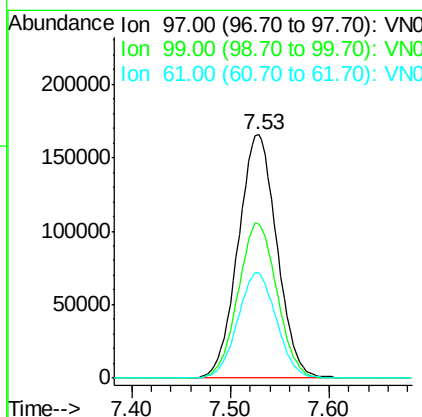
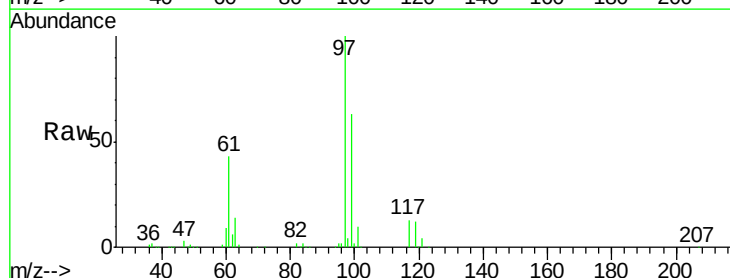
Manual Integrations
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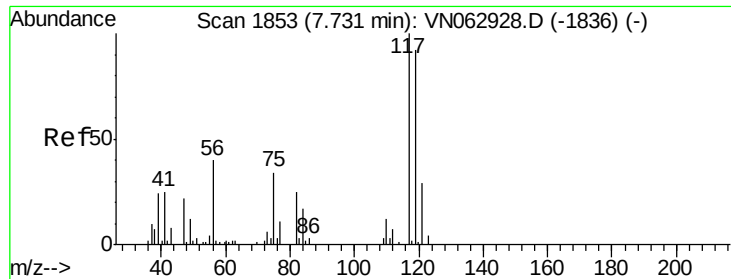
MMDadoda
 8/17/2020 5:45:00 PM



#32
 1,1,1-Trichloroethane
 Concen: 155.108 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	53.8	80.8
61	43.1	36.3	54.5





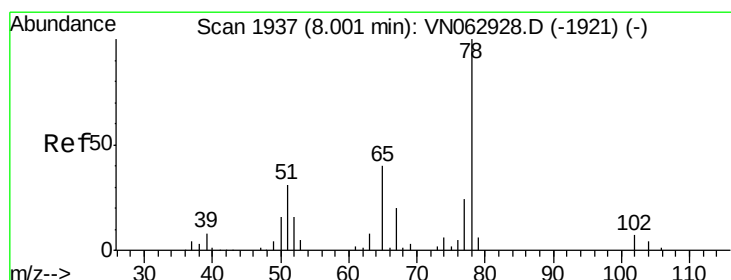
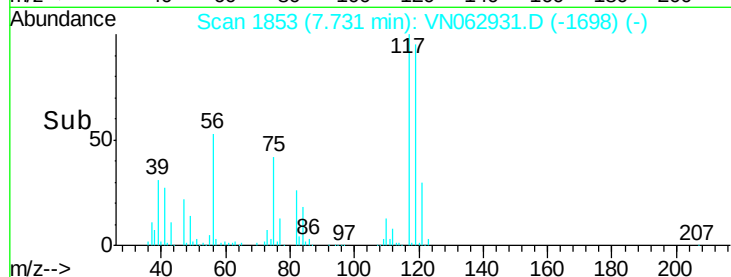
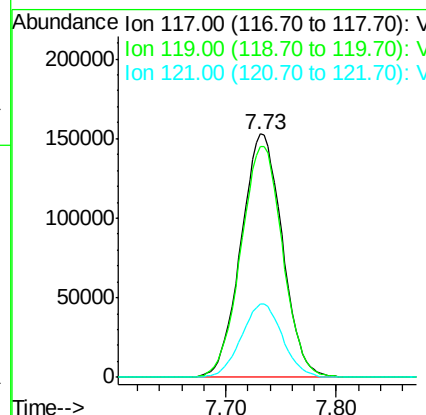
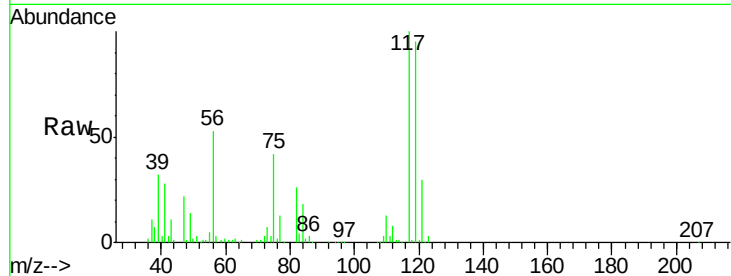
#33
Carbon Tetrachloride
Concen: 156.616 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.4	73.9	110.9
121	30.0	23.2	34.8

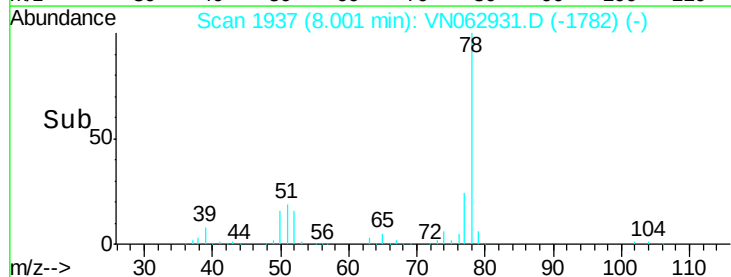
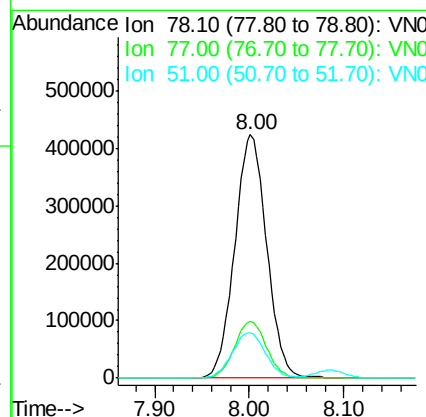
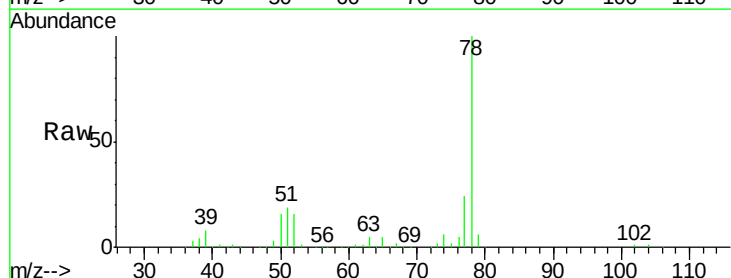
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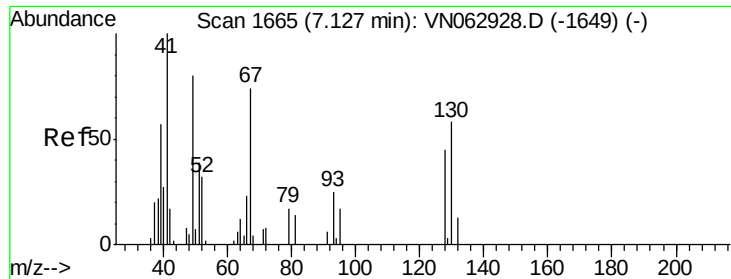
MMDadoda
8/17/2020 5:45:00 PM



#34
Benzene
Concen: 129.948 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.3	28.9
51	18.6	24.9	37.3#





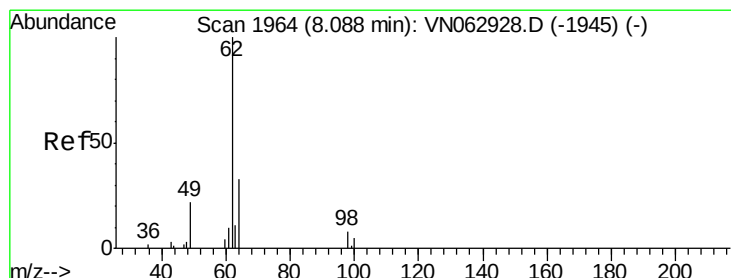
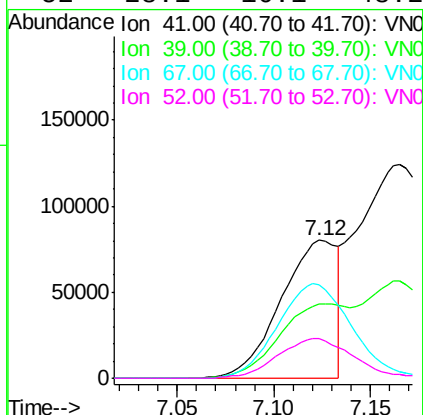
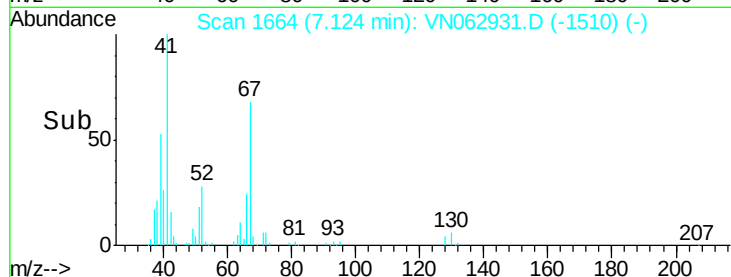
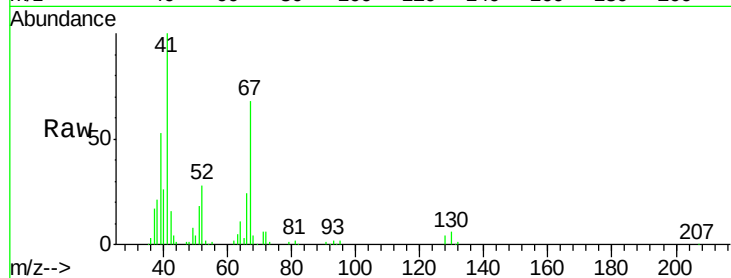
#35
Methacrylonitrile
Concen: 140.622 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	163024
Ion	Ratio	Lower	Upper
41	100		
39	53.5	28.7	86.3
67	67.6	36.8	110.3
52	28.1	16.1	48.2

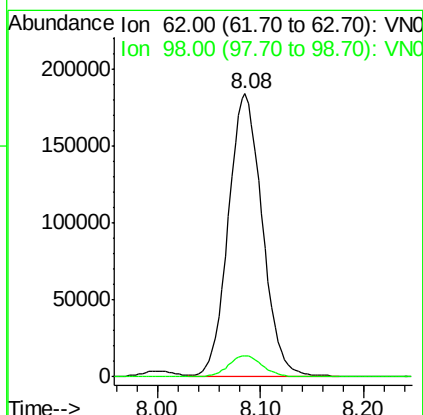
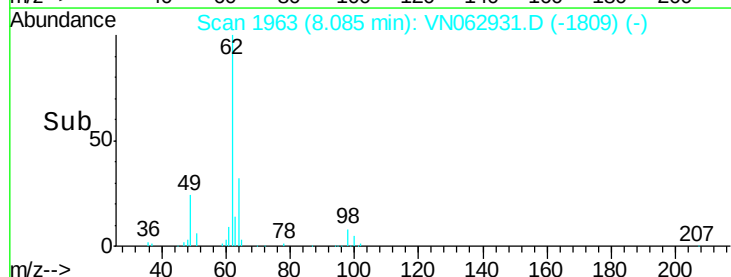
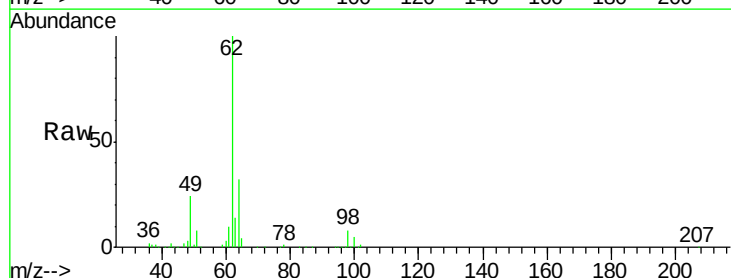
Manual Integrations
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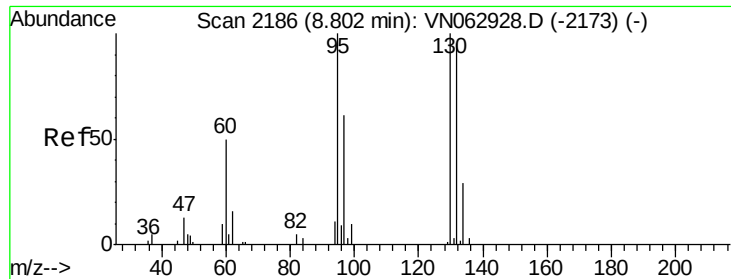
MMDadoda
8/17/2020 5:45:00 PM



#36
1,2-Dichloroethane
Concen: 146.935 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion	62	Resp	421090
Ion	Ratio	Lower	Upper
62	100		
98	7.6	6.1	9.1





#37

Trichloroethene

Concen: 141.183 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:130 Resp: 247929

Ion Ratio Lower Upper

130 100

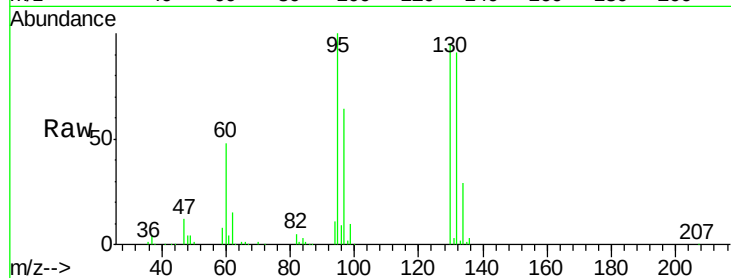
95 105.3 80.1 120.1

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

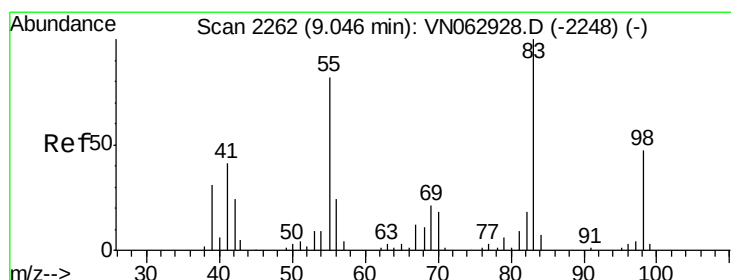
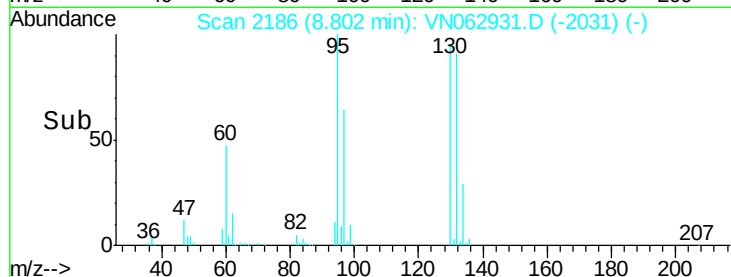
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 150.197 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

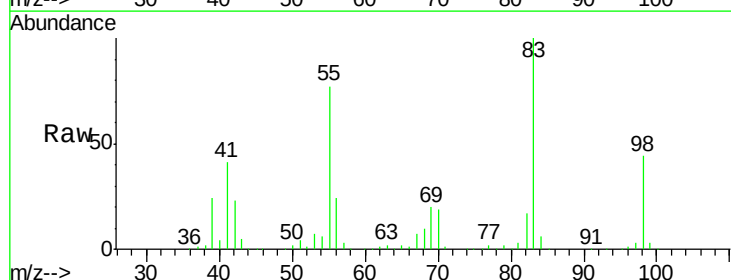
Tgt Ion: 83 Resp: 438885

Ion Ratio Lower Upper

83 100

55 77.6 40.8 122.5

98 44.5 22.3 66.8



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.05

250000

200000

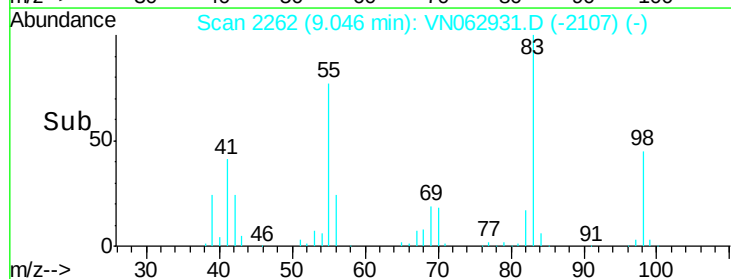
150000

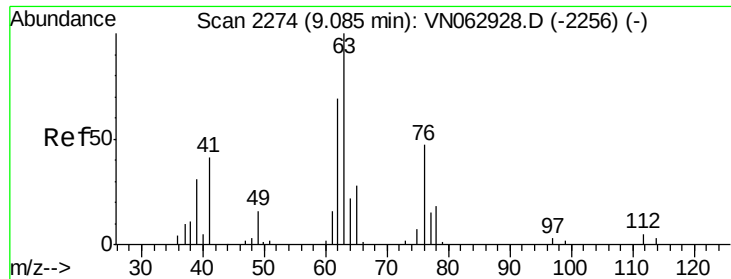
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 127.890 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 63 Resp: 276779

Ion Ratio Lower Upper

63 100

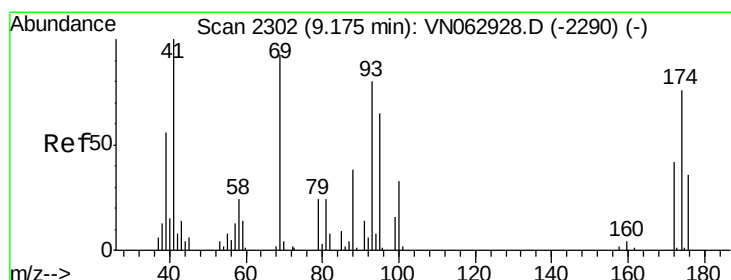
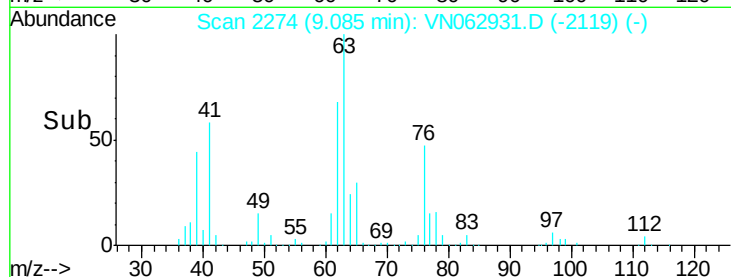
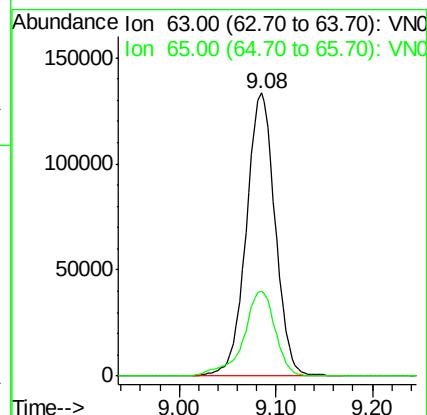
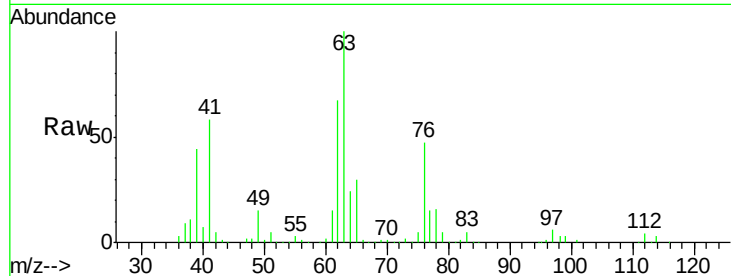
65 29.9 23.8 35.6

Manual Integrations

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#40

Dibromomethane

Concen: 140.157 ug/l

RT: 9.17 min Scan# 2302

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

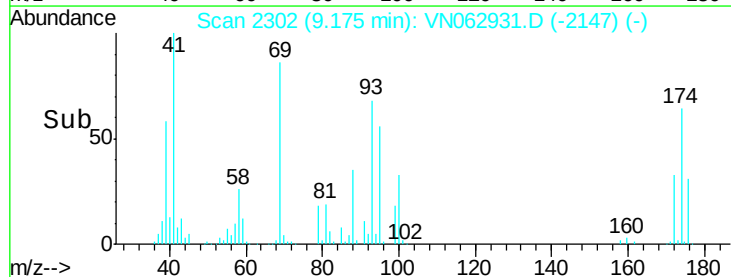
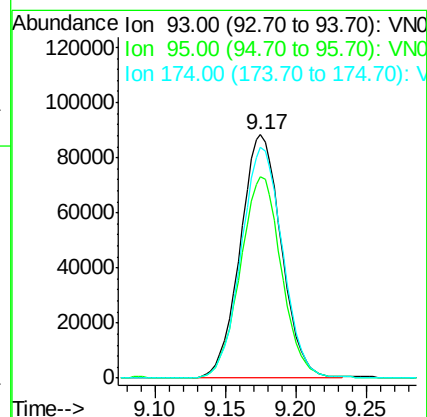
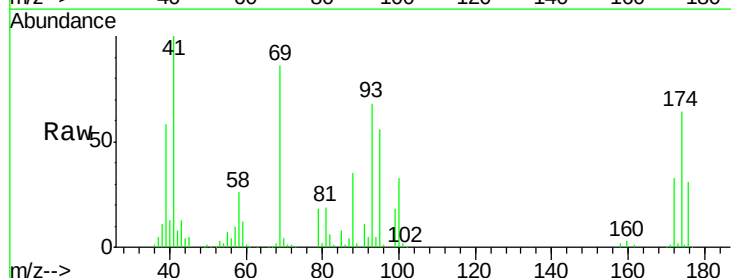
Tgt Ion: 93 Resp: 180587

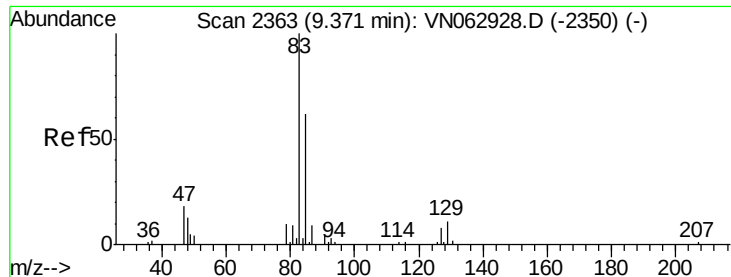
Ion Ratio Lower Upper

93 100

95 83.0 0.0 161.8

174 95.4 0.0 190.0





#41

Bromodichloromethane

Concen: 152.384 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

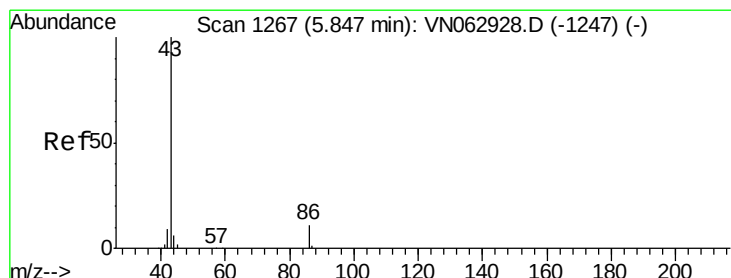
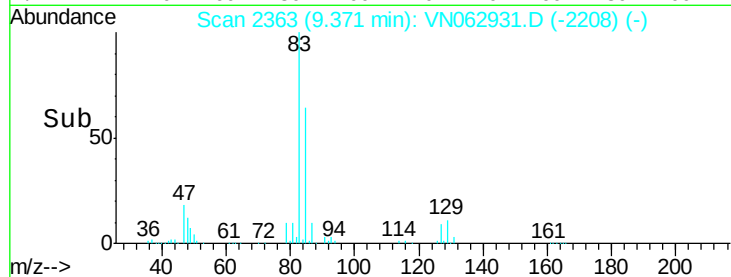
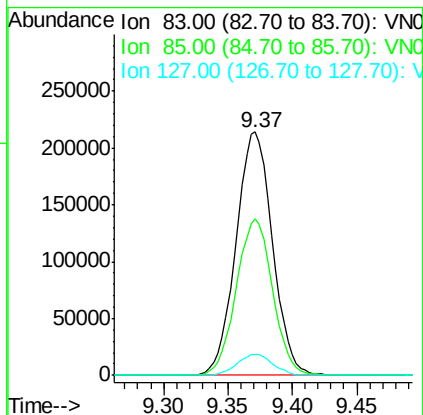
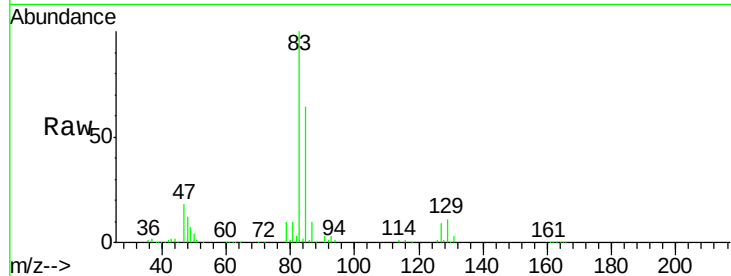
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	421741
Ion	Ratio	Lower	Upper
83	100		
85	64.1	49.9	74.9
127	8.8	7.1	10.7

Manual Integrations
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#42

Vinyl Acetate

Concen: 542.431 ug/l

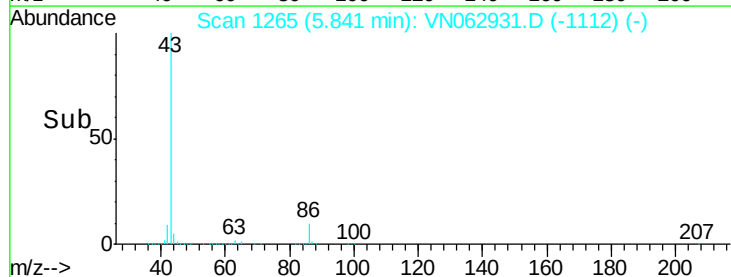
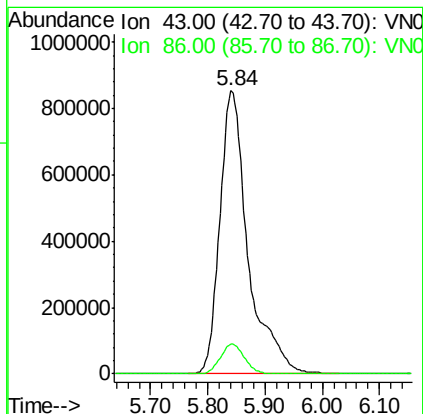
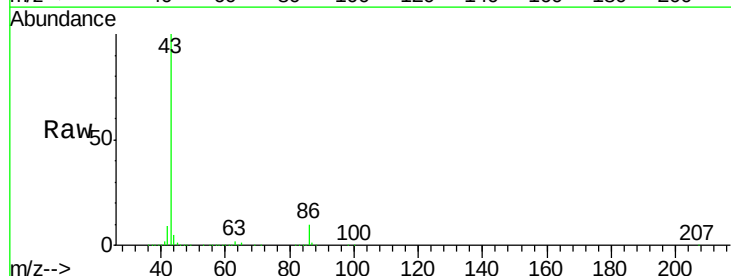
RT: 5.84 min Scan# 1265

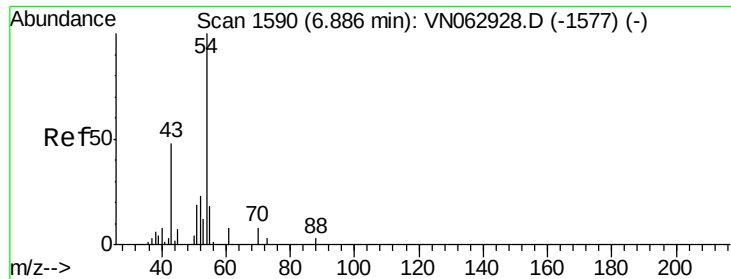
Delta R.T. -0.01 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Tgt Ion:	43	Resp:	2929403
Ion	Ratio	Lower	Upper
43	100		
86	9.0	7.1	10.7





#43

Ethyl Acetate

Concen: 119.675 ug/l

RT: 6.88 min Scan# 1589

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 323574

Ion Ratio Lower Upper

43 100

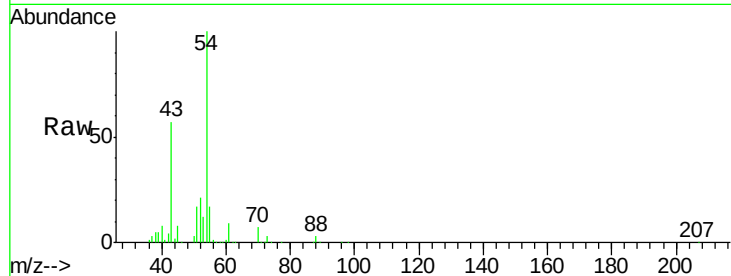
45 13.0 6.6 9.8#

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN062928.D (-1577) (-)

Ion 45.00 (44.70 to 45.70): VN062928.D (-1577) (-)

300000

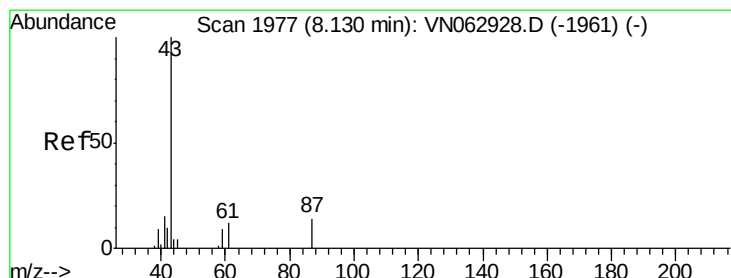
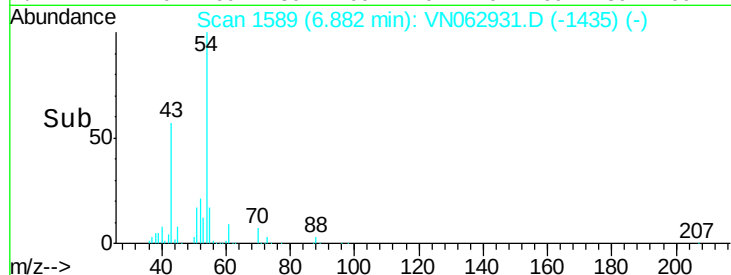
200000

100000

0

6.80 6.88 6.90 7.00

Time-->



#44

Isopropyl Acetate

Concen: 126.693 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062931.D

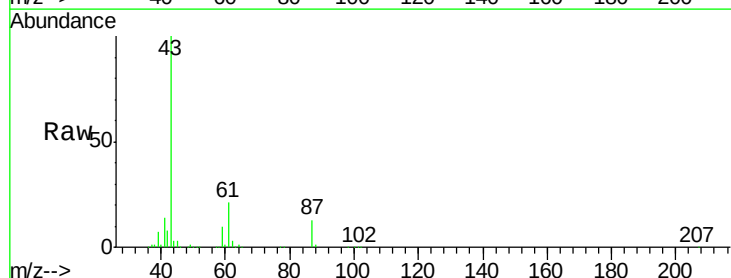
Acq: 14 Aug 2020 00:09

Tgt Ion: 43 Resp: 571691

Ion Ratio Lower Upper

43 100

61 26.9 17.2 25.8#



Abundance Ion 43.00 (42.70 to 43.70): VN062928.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN062928.D (-1961) (-)

300000

250000

200000

150000

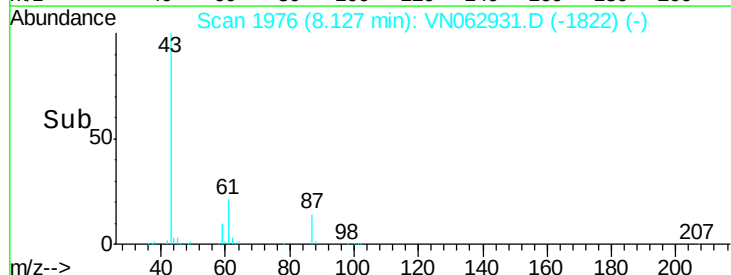
100000

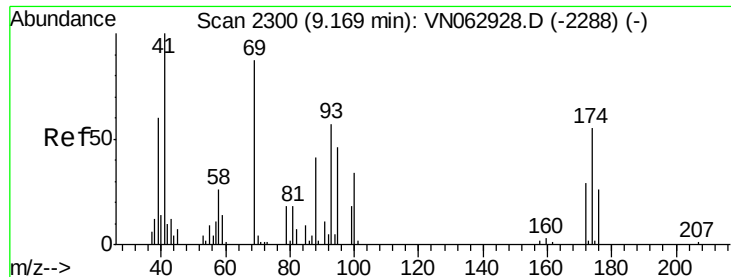
50000

0

8.00 8.10 8.13 8.20

Time-->





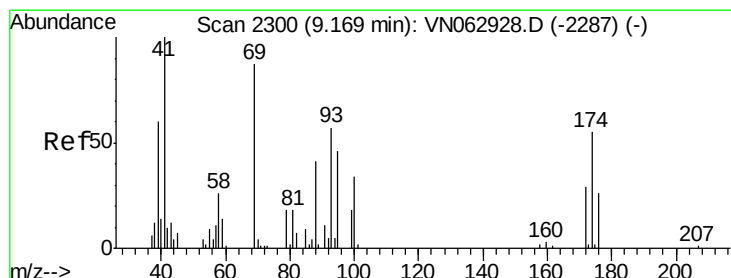
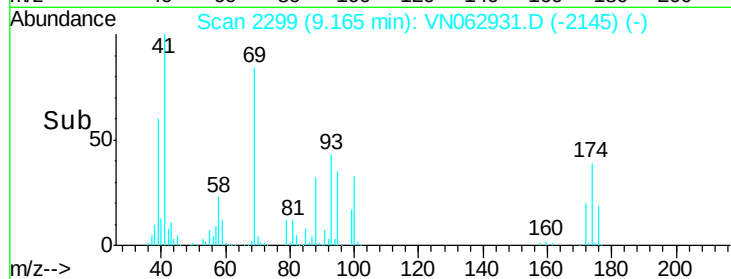
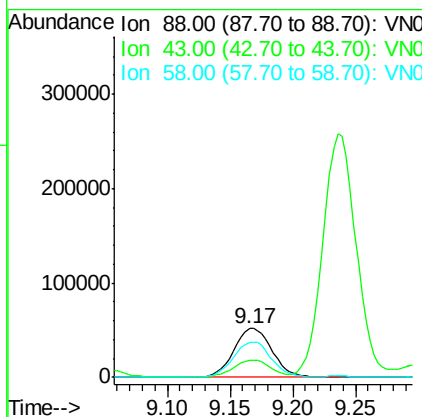
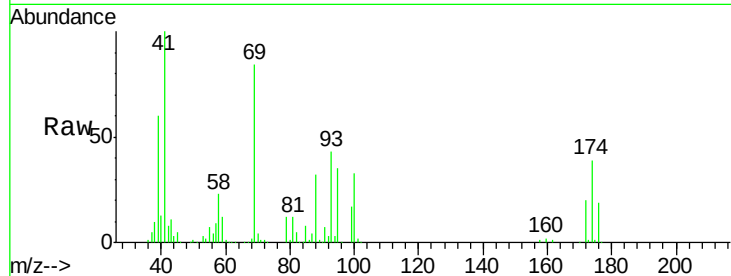
#45
 1,4-Dioxane
 Concen: 3330.860 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	34.6	26.0	39.0	
58	72.1	54.2	81.2	

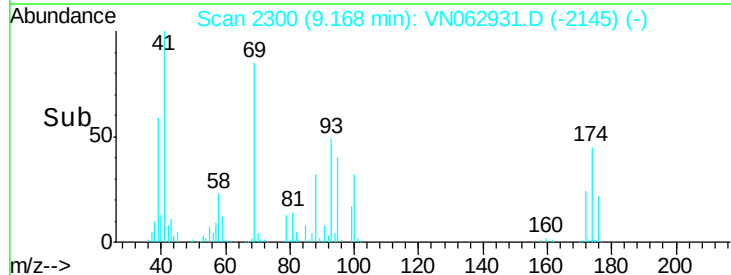
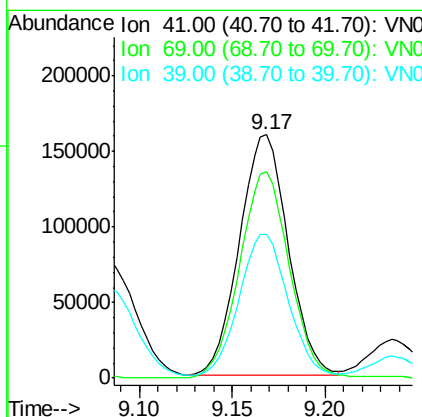
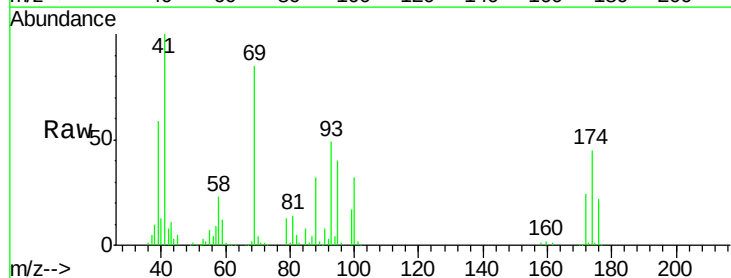
Manual Integrations
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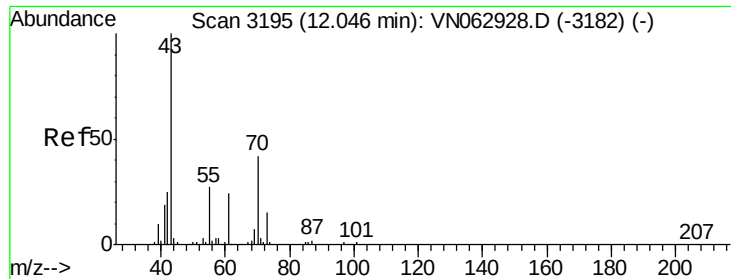
MMDadoda
 8/17/2020 5:45:00 PM



#46
 Methyl methacrylate
 Concen: 135.584 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	85.6	43.6	130.9	
39	58.8	29.9	89.8	





#47

n-amvl Acetate

Concen: 143.723 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 554384

Ion Ratio Lower Upper

43 100

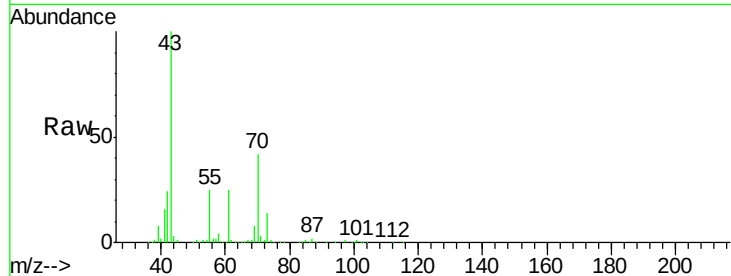
55 25.3 20.8 31.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.05

400000

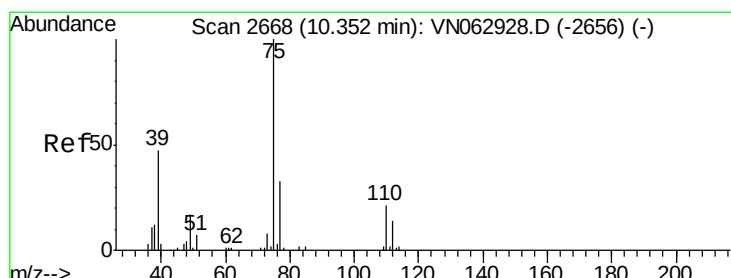
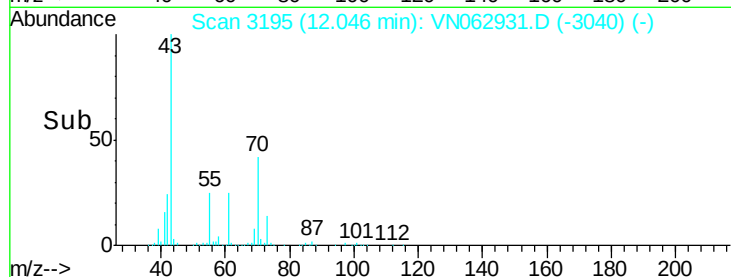
300000

200000

100000

0

Time-->



#48

t-1,3-Dichloropropene

Concen: 144.345 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. -0.00 min

Lab File: VN062931.D

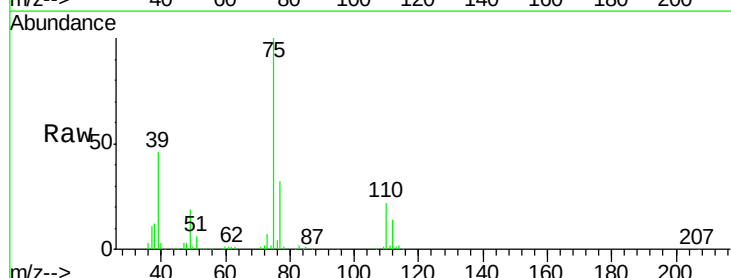
Acq: 14 Aug 2020 00:09

Tgt Ion: 75 Resp: 455593

Ion Ratio Lower Upper

75 100

77 32.3 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.35

300000

250000

200000

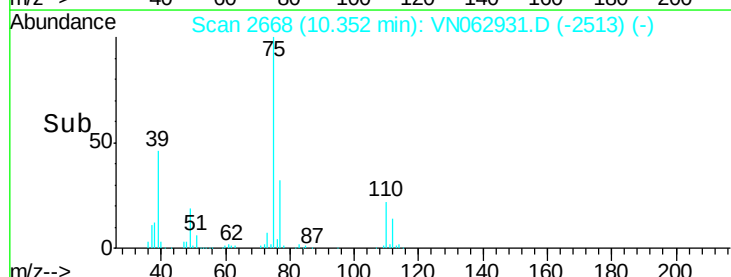
150000

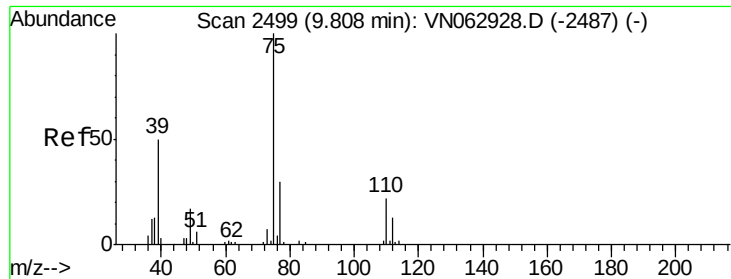
100000

50000

0

Time-->





#49

cis-1,3-Dichloropropene

Concen: 136.610 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

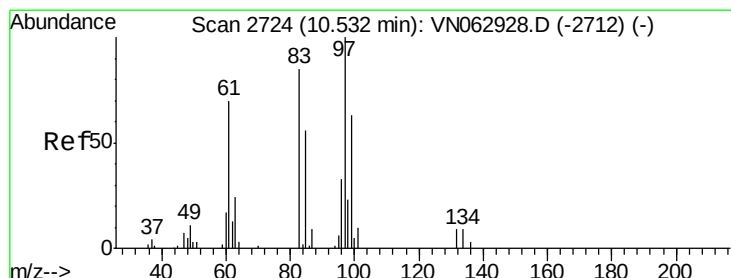
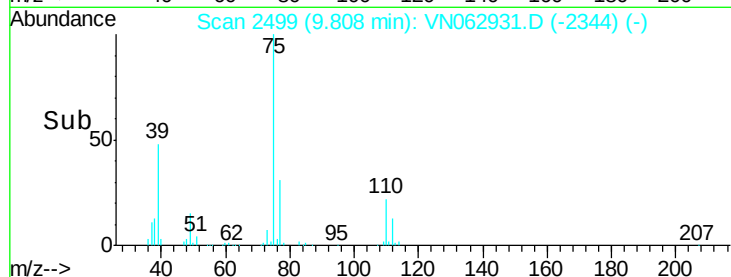
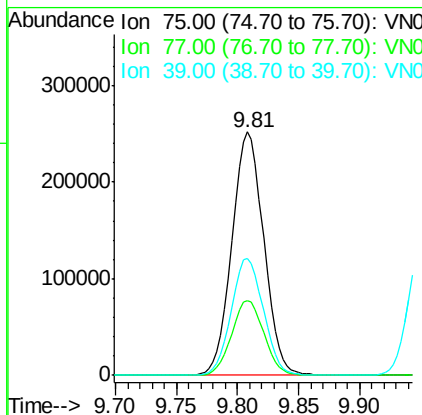
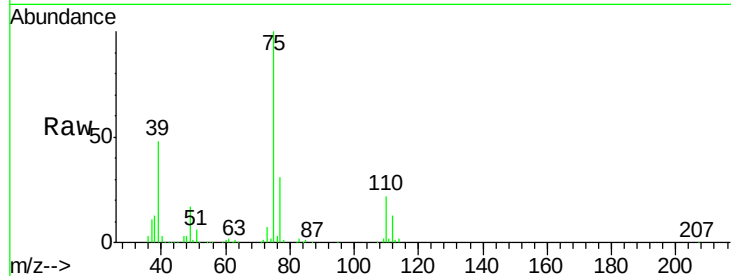
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	457609
Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.4	36.6
39	48.1	40.2	60.4

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#50

1,1,2-Trichloroethane

Concen: 146.870 ug/l

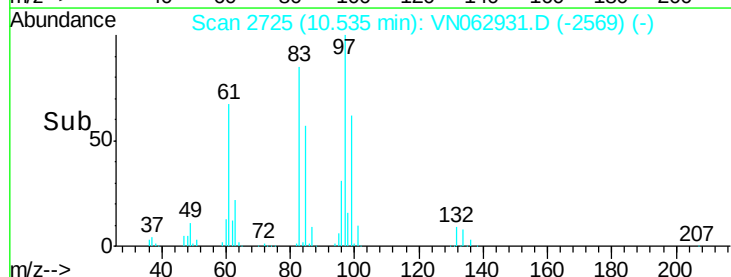
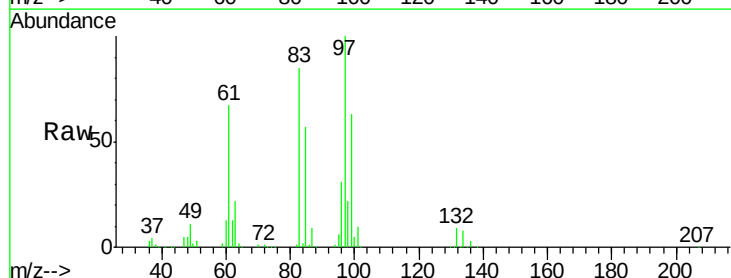
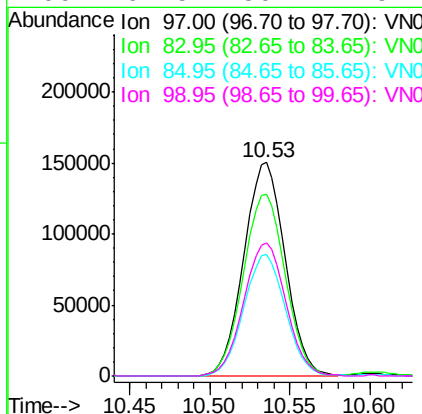
RT: 10.53 min Scan# 2725

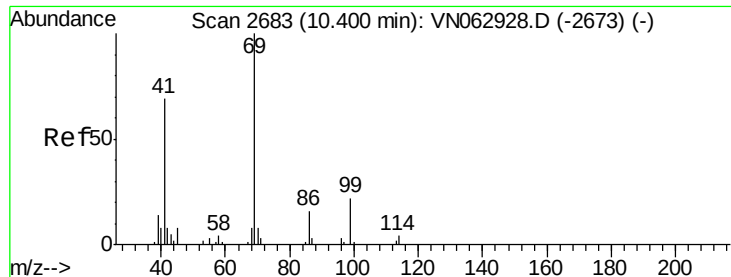
Delta R.T. 0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Tgt Ion:	97	Resp:	266166
Ion	Ratio	Lower	Upper
97	100		
83	85.1	67.8	101.6
85	56.8	44.5	66.7
99	62.5	50.1	75.1





#51

Ethyl methacrylate

Concen: 152.774 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

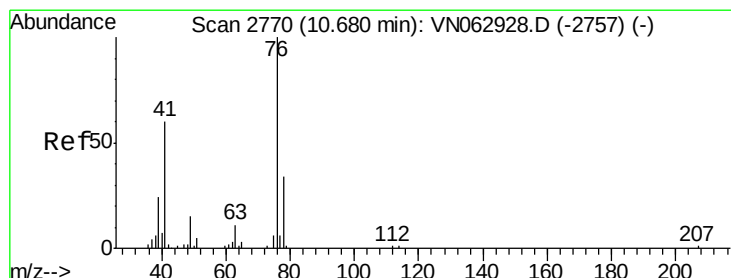
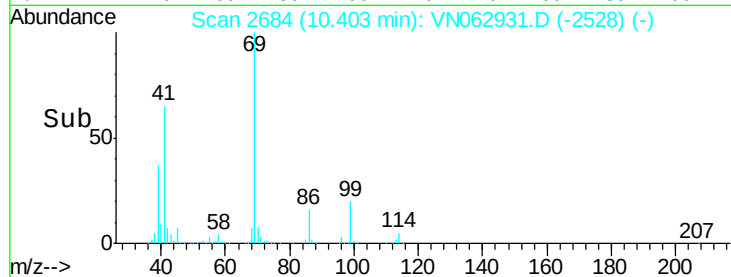
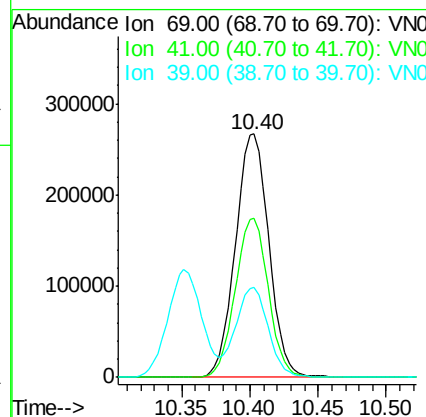
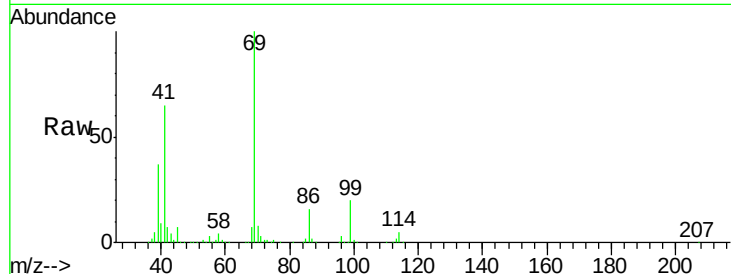
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	453973
Ion	Ratio	Lower	Upper
69	100		
41	65.0	34.8	104.3
39	36.5	18.6	55.8

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#52

1,3-Dichloropropane

Concen: 141.058 ug/l

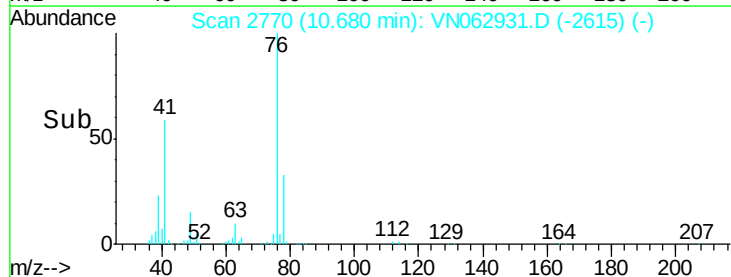
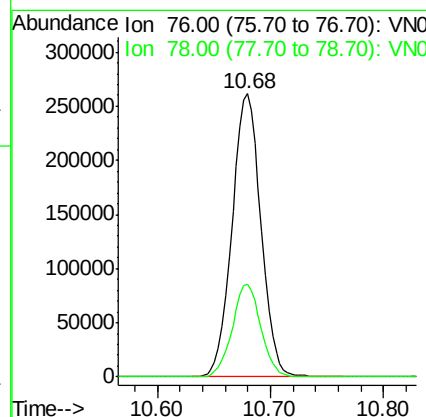
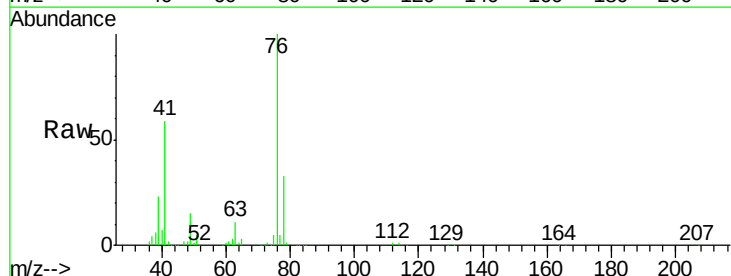
RT: 10.68 min Scan# 2770

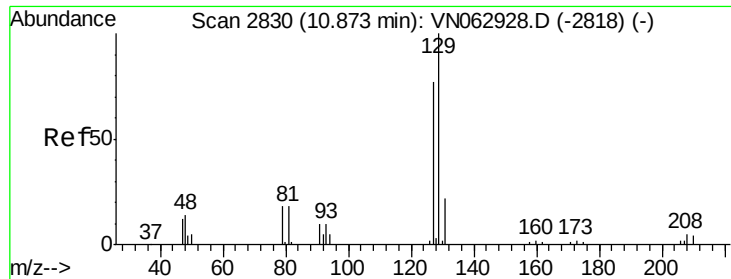
Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Tgt Ion:	76	Resp:	463752
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	66.2





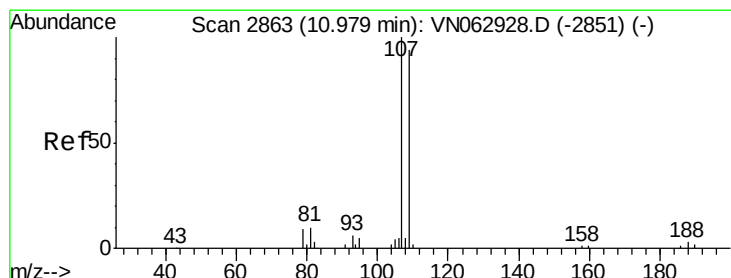
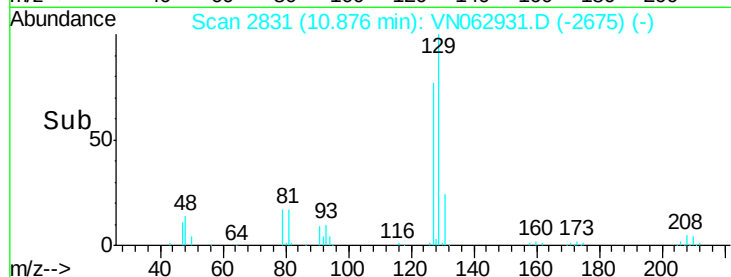
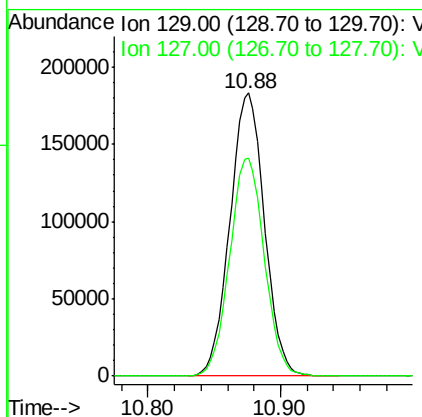
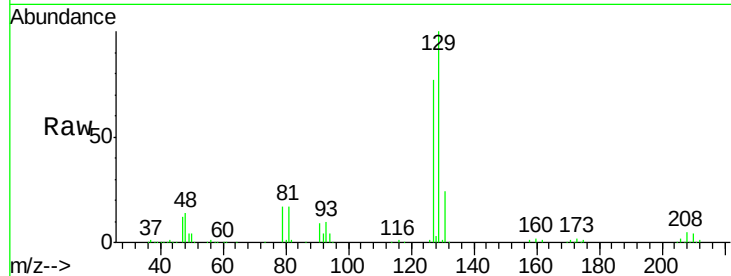
#53
 Dibromochloromethane
 Concen: 164.370 ug/l
 RT: 10.88 min Scan# 2831
 Delta R.T. 0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.1	114.5

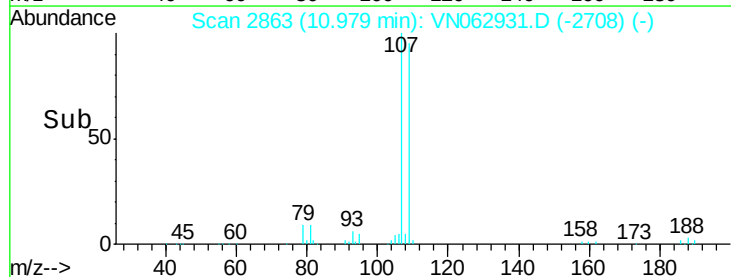
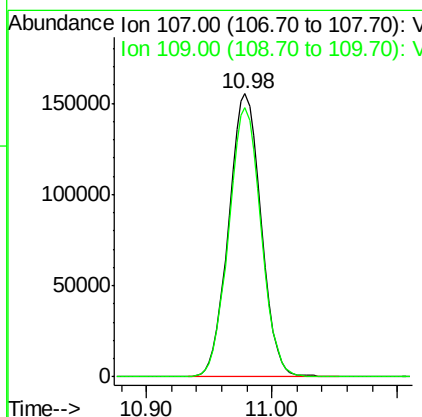
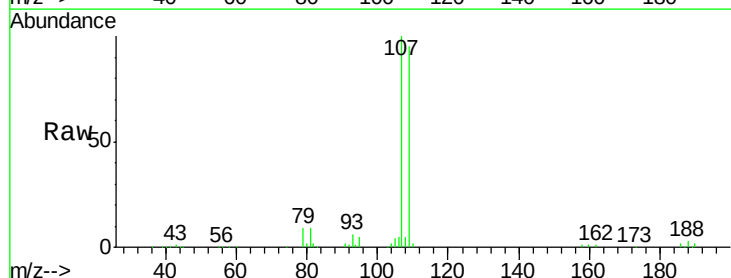
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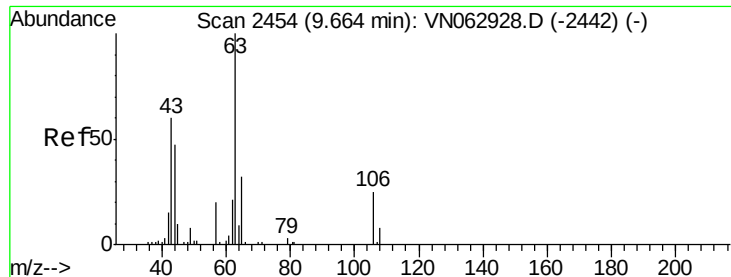
MMDadoda
 8/17/2020 5:45:00 PM



#54
 1,2-Dibromoethane
 Concen: 149.910 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.9	115.3





#55

2-Chloroethyl vinyl ether

Concen: 633.340 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

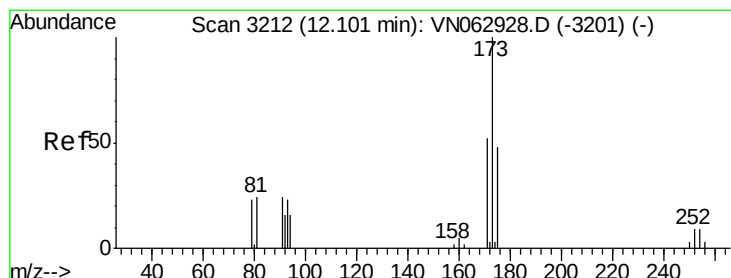
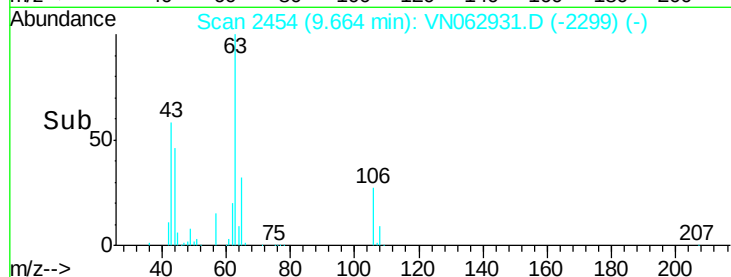
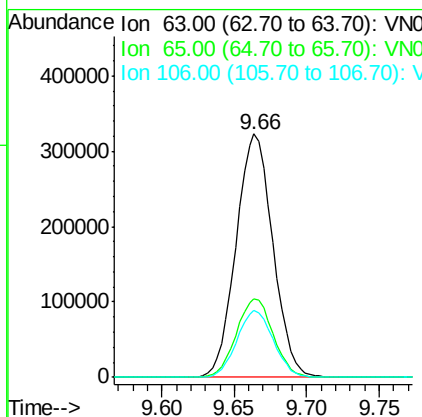
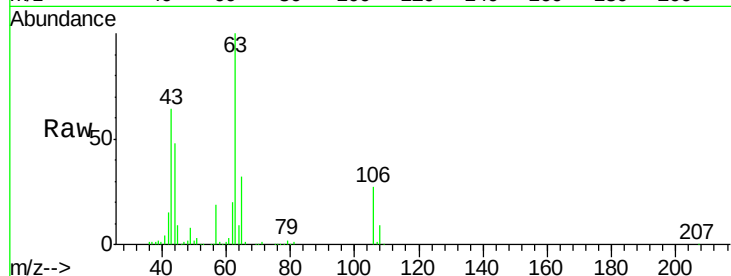
ClientSampleId :

VSTDIC150

Tot Ion:	63	Resp:	569654
Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.8	38.8
106	27.4	20.4	30.6

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#56

Bromoform

Concen: 175.105 ug/l

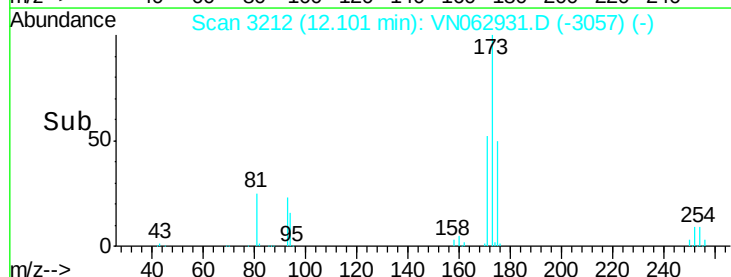
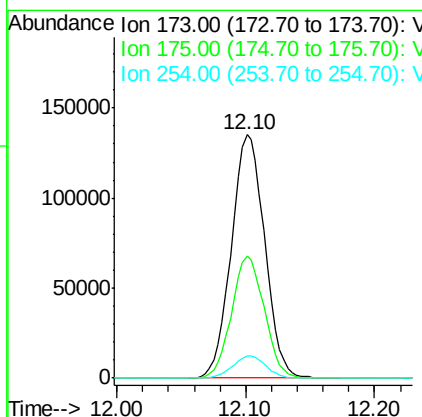
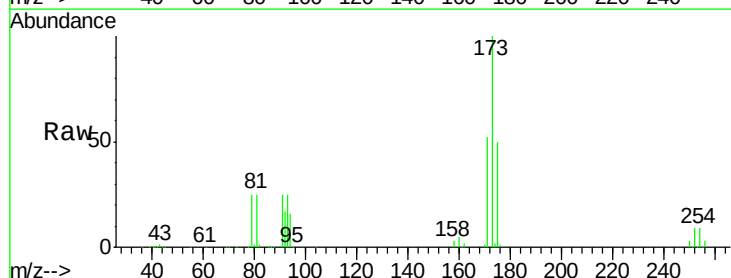
RT: 12.10 min Scan# 3212

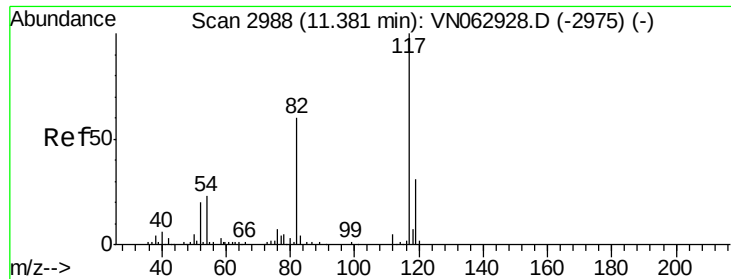
Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Tgt Ion:	173	Resp:	242755
Ion	Ratio	Lower	Upper
173	100		
175	49.2	37.8	56.6
254	9.0	6.9	10.3





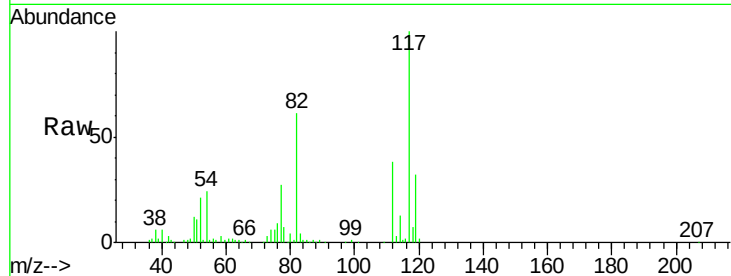
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	149455		
82	59.8	47.5	71.3	
119	32.1	26.0	39.0	

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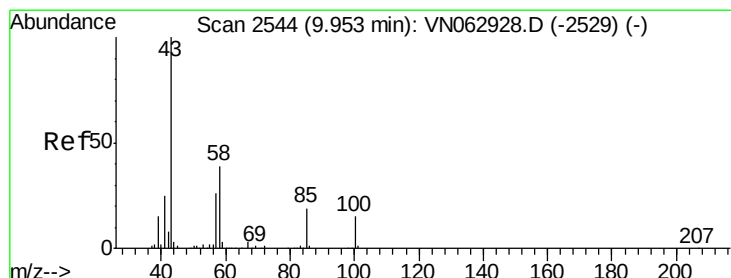
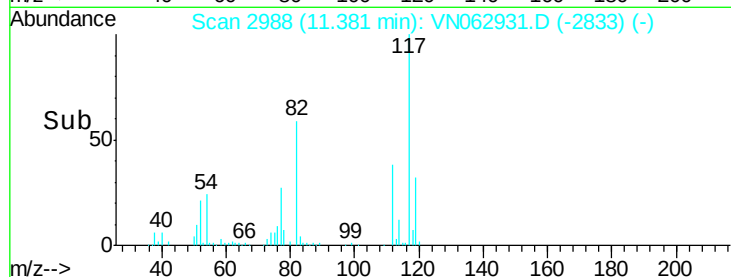
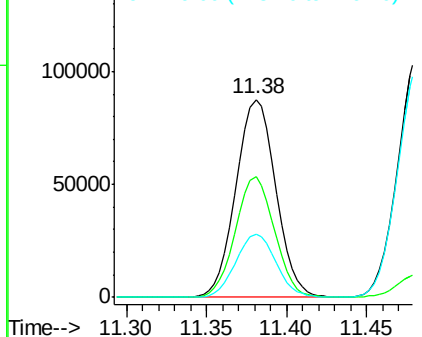


Abundance

Ion 117.00 (116.70 to 117.70): V

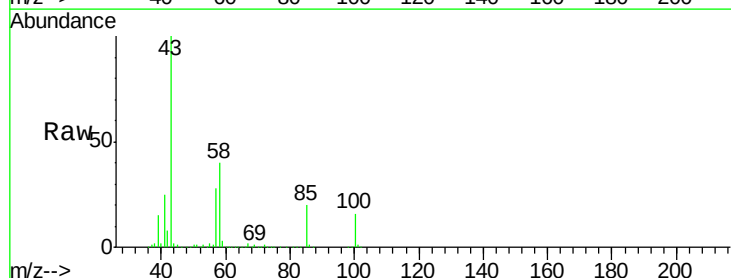
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 682.793 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1916549		
58	40.1	31.3	46.9	
85	19.7	15.2	22.8	

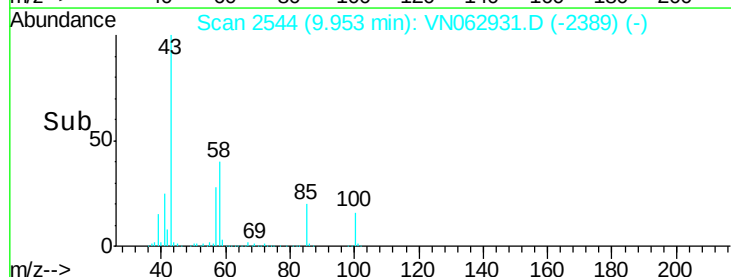
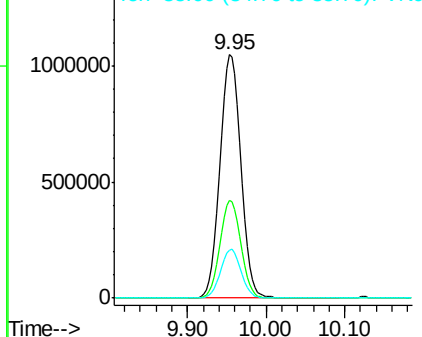


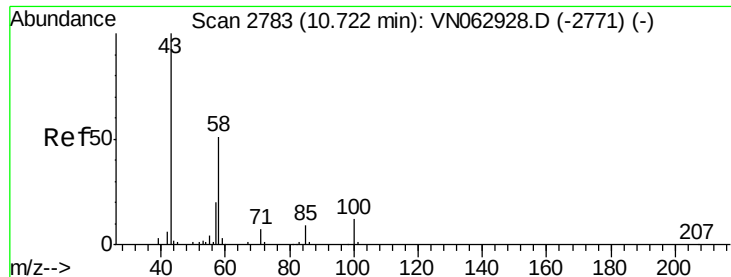
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V





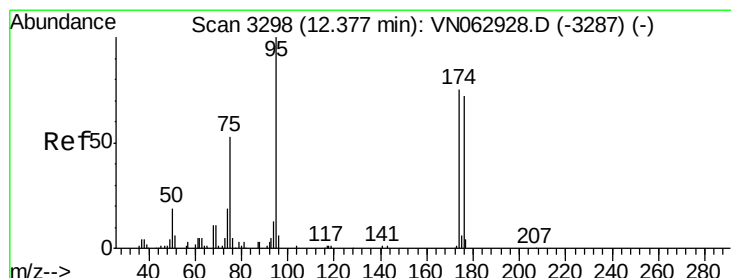
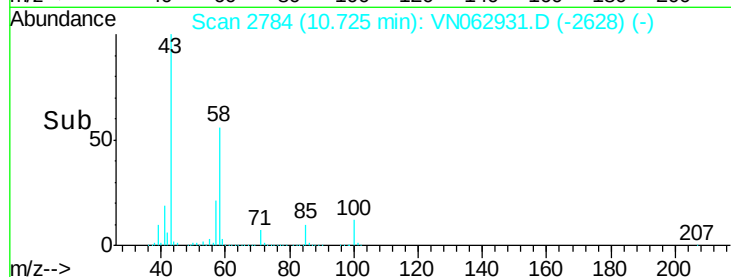
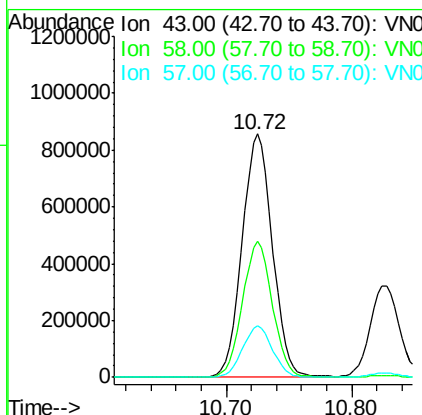
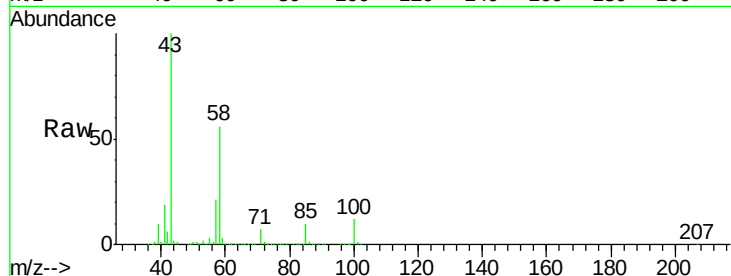
#59
2-Hexanone
Concen: 699.822 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.3	41.8	62.6
57	21.1	16.2	24.2

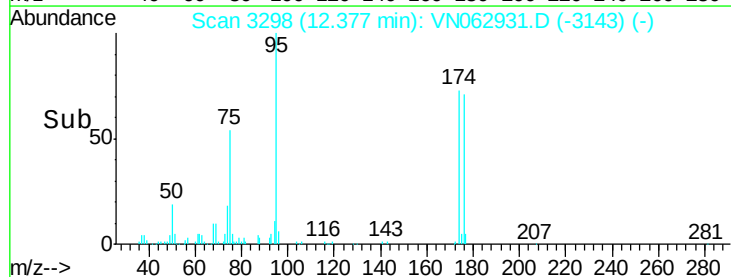
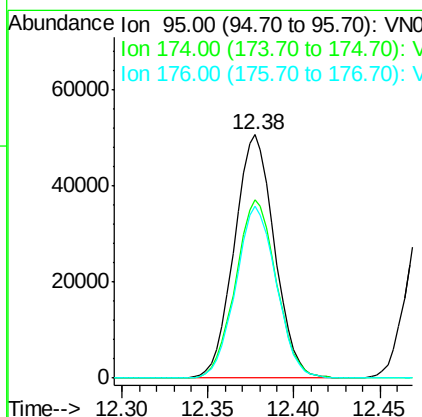
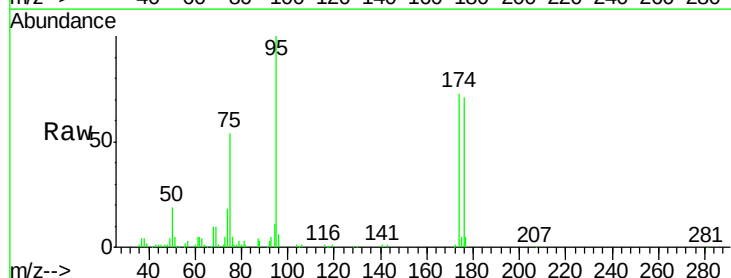
Manual Integrations
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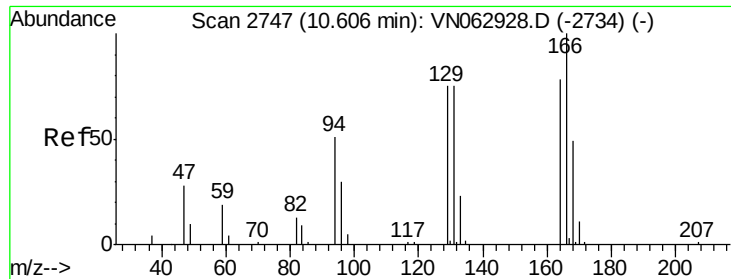
MMDadoda
8/17/2020 5:45:00 PM



#60
4-Bromofluorobenzene
Concen: 32.270 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	60.9	91.3
176	71.2	57.8	86.8





#61

Tetrachloroethene

Concen: 140.447 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 212954

Ion Ratio Lower Upper

164 100

166 126.9 101.9 152.9

129 101.3 76.4 114.6

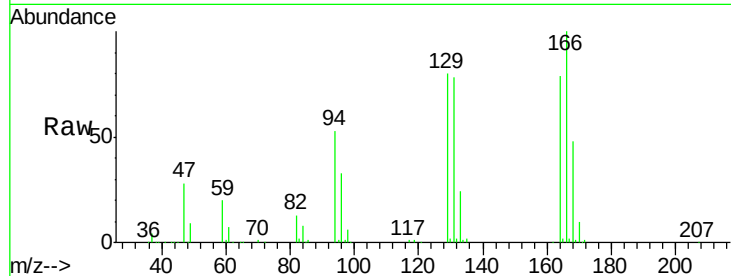
131 99.2 76.5 114.7

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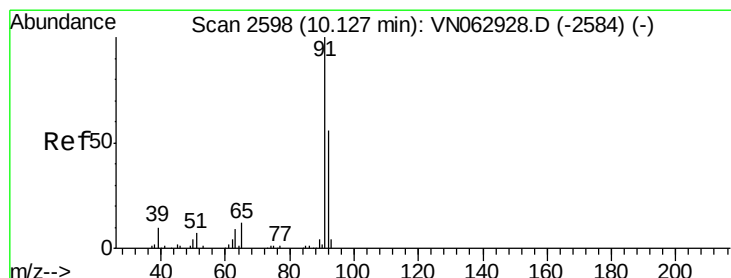
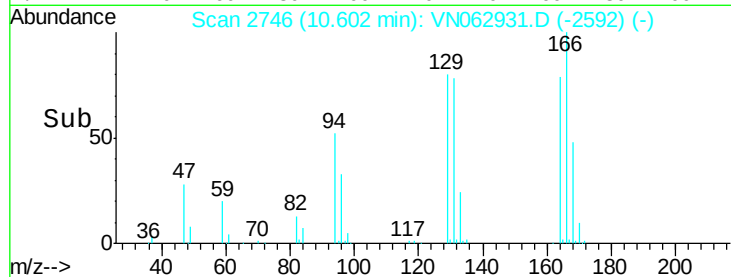
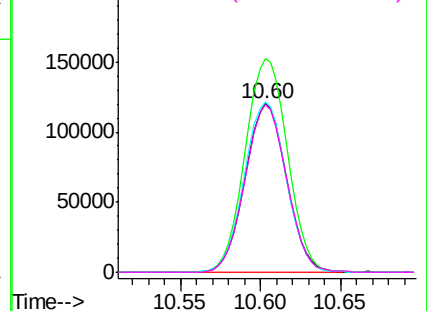


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 135.083 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062931.D

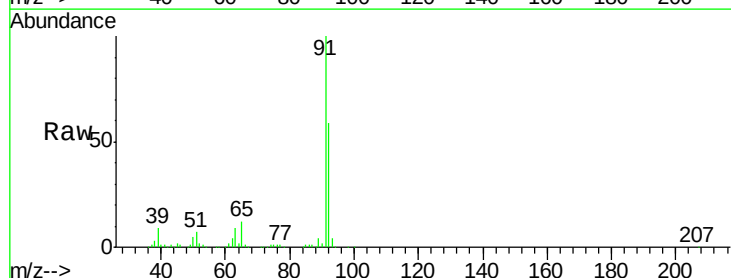
Acq: 14 Aug 2020 00:09

Tgt Ion: 91 Resp: 1116927

Ion Ratio Lower Upper

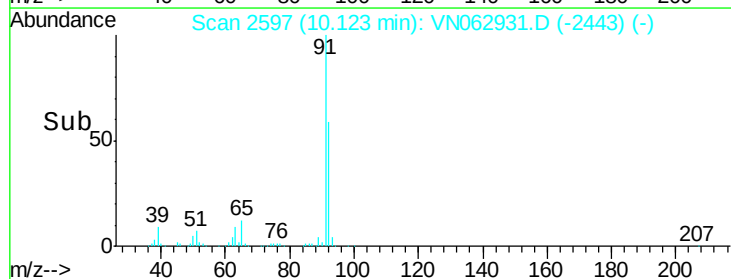
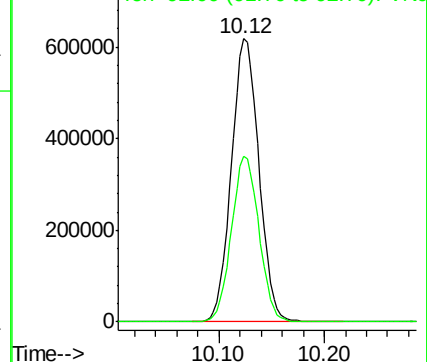
91 100

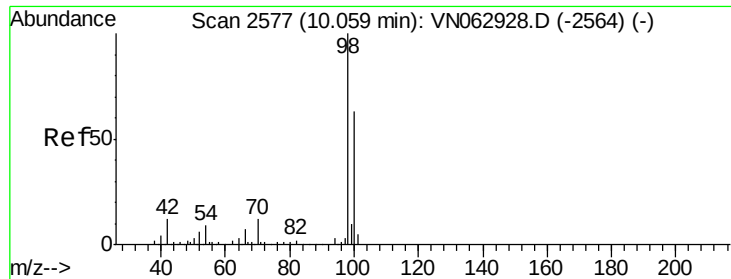
92 58.5 45.2 67.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





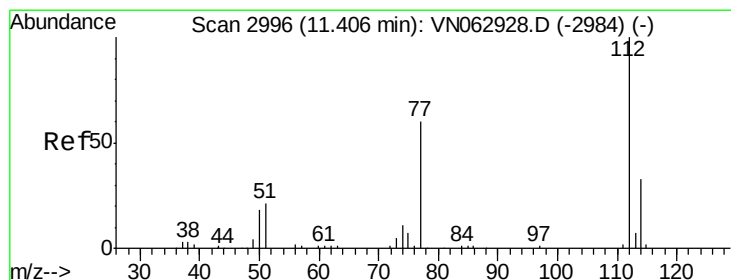
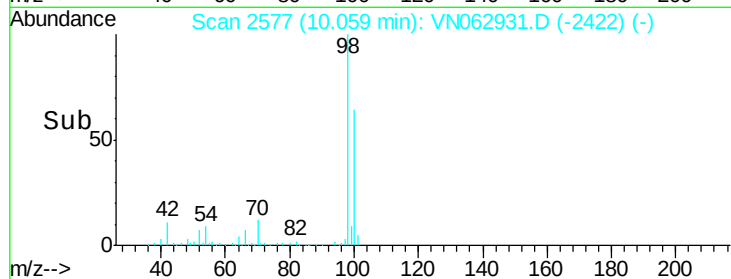
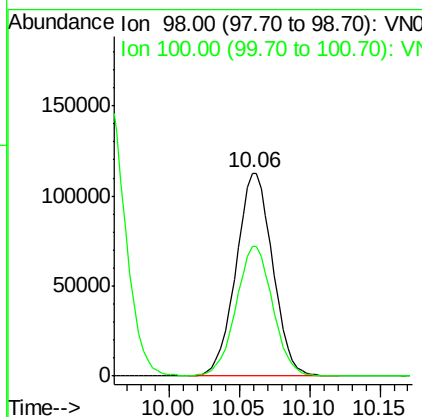
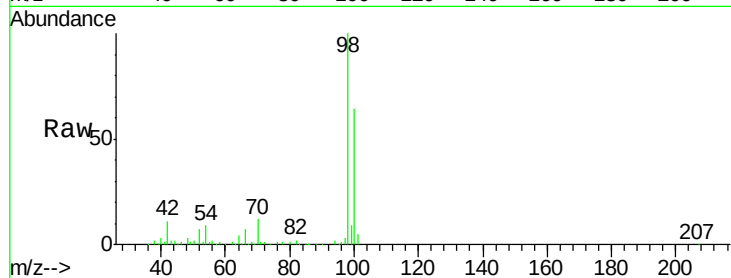
#63
Toluene-d8
Concen: 29.216 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 98 Resp: 205022
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6

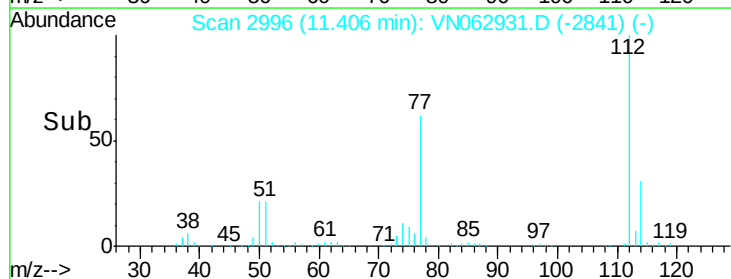
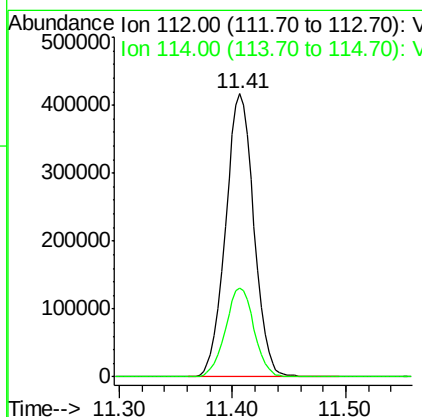
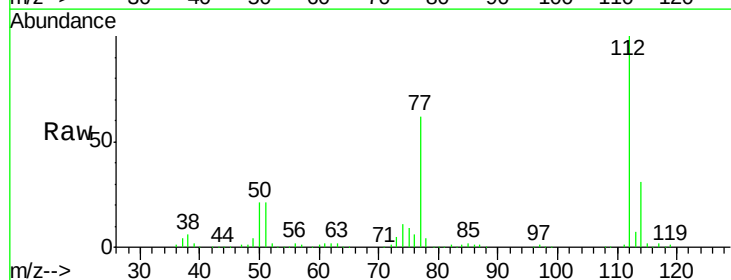
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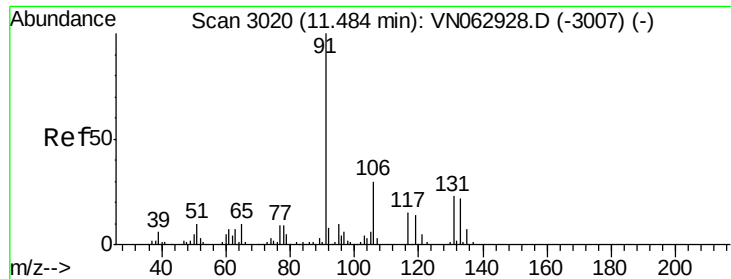
MMDadoda
8/17/2020 5:45:00 PM



#64
Chlorobenzene
Concen: 146.535 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion: 112 Resp: 724451
Ion Ratio Lower Upper
112 100
114 31.4 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 157.395 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

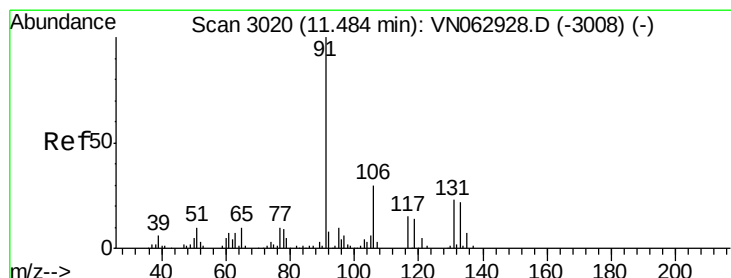
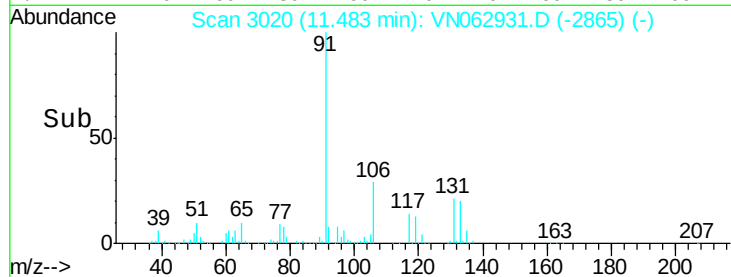
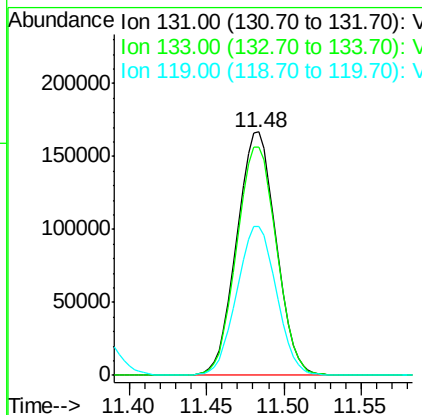
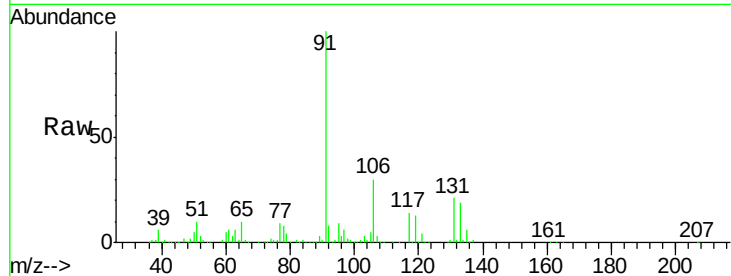
ClientSampled :

VSTDIC150

Tot Ion:	131	Resp:	295233
Ion Ratio	Lower	Upper	
131	100		
133	95.4	0.0	192.6
119	61.8	0.0	125.4

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#66

Ethyl Benzene

Concen: 146.885 ug/l

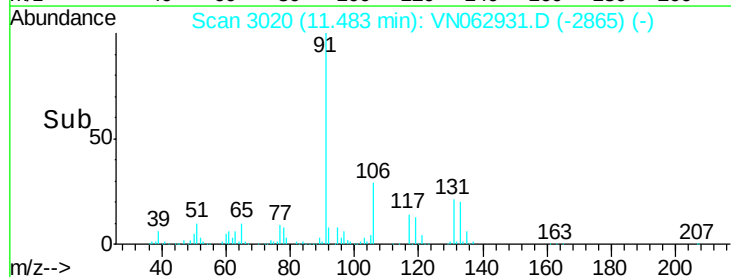
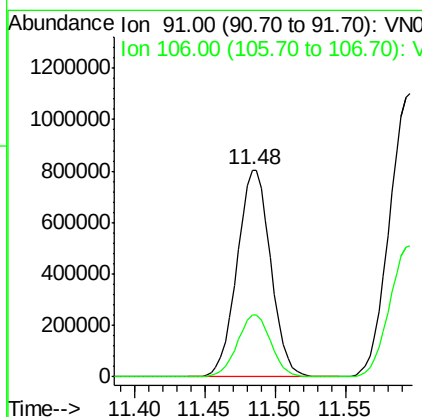
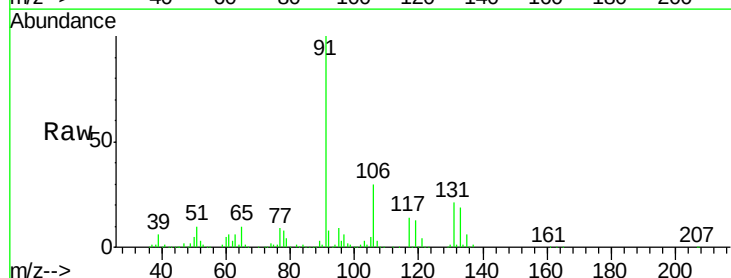
RT: 11.48 min Scan# 3020

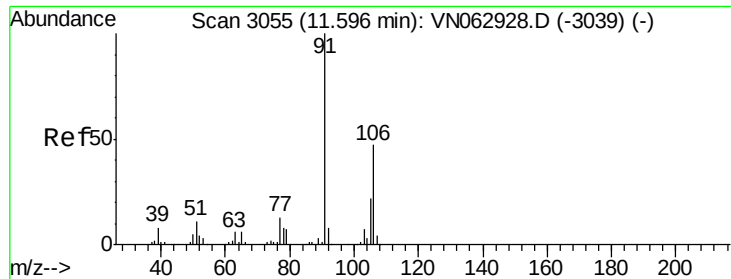
Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Tgt Ion:	91	Resp:	1344603
Ion Ratio	Lower	Upper	
91	100		
106	29.9	24.0	36.0





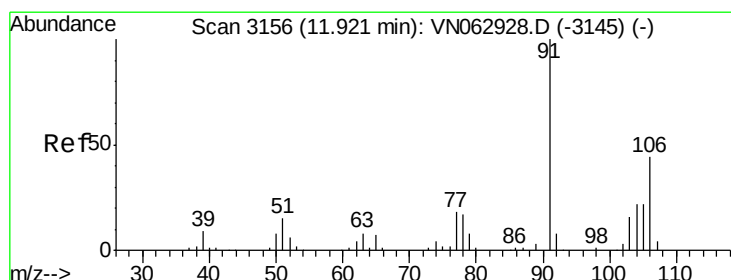
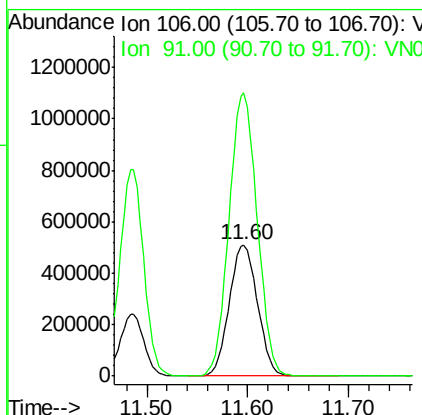
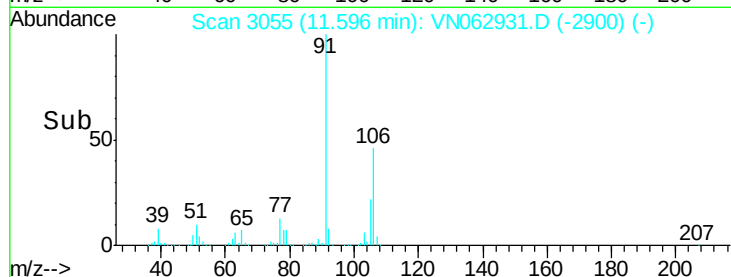
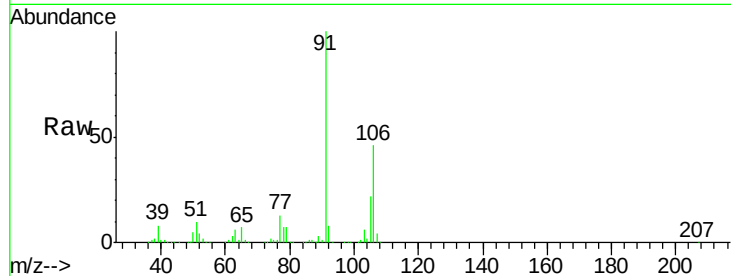
#67
m/p-Xylenes
Concen: 295.141 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 993470
Ion Ratio Lower Upper
106 100
91 215.0 171.0 256.6

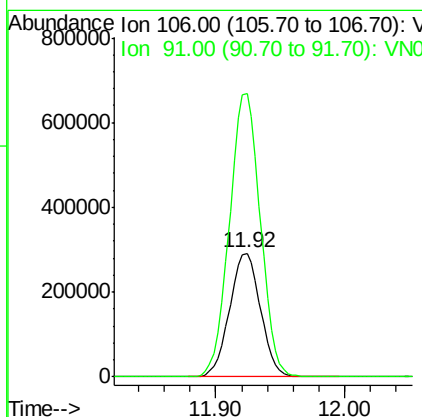
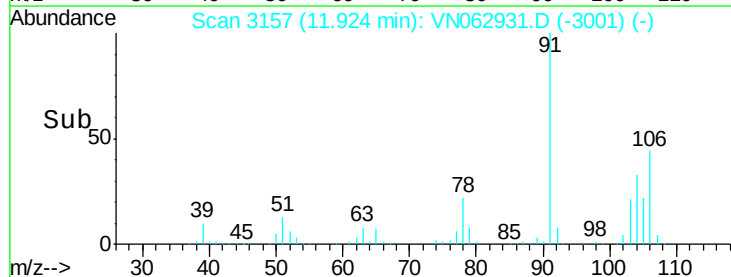
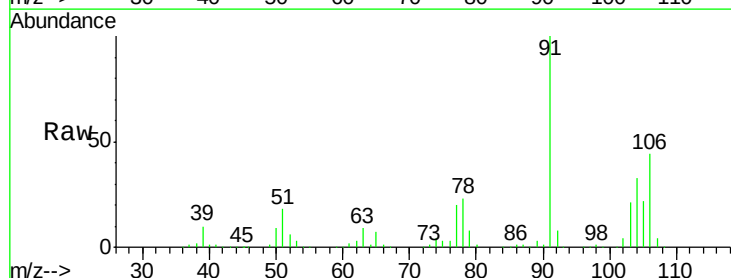
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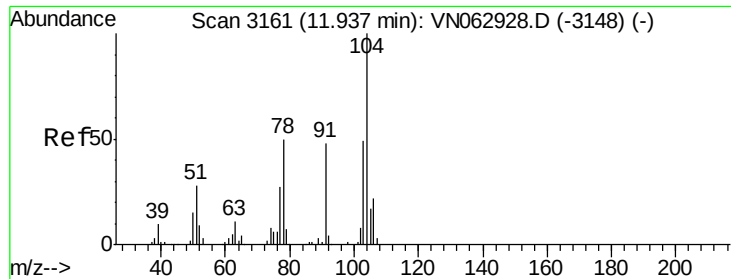
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#68
o-Xylene
Concen: 151.281 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion:106 Resp: 484806
Ion Ratio Lower Upper
106 100
91 229.2 115.4 346.2





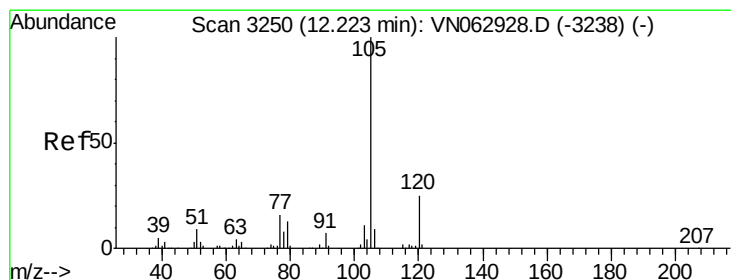
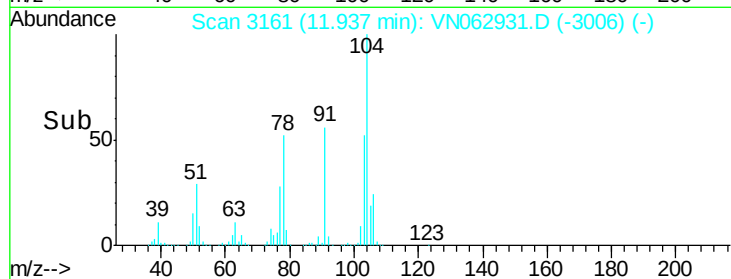
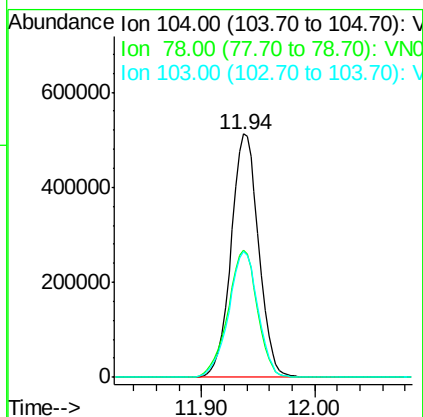
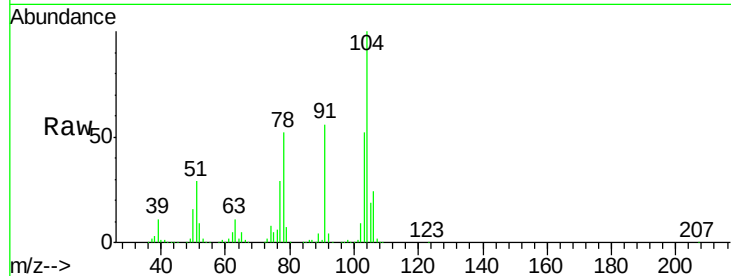
#69
Stvrene
Concen: 157.369 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
104	100	868825		
78	56.0		44.4	66.6
103	55.1		44.0	66.0

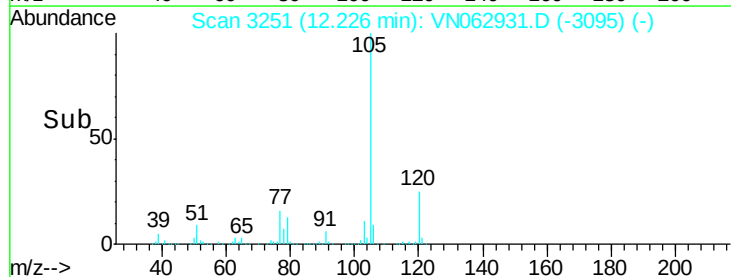
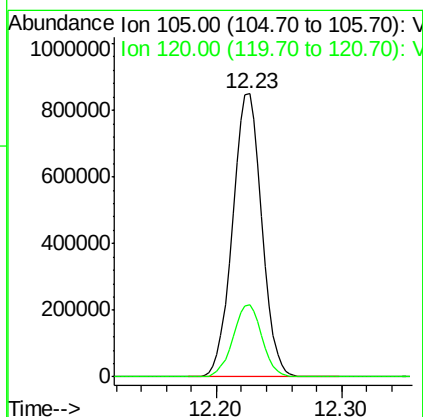
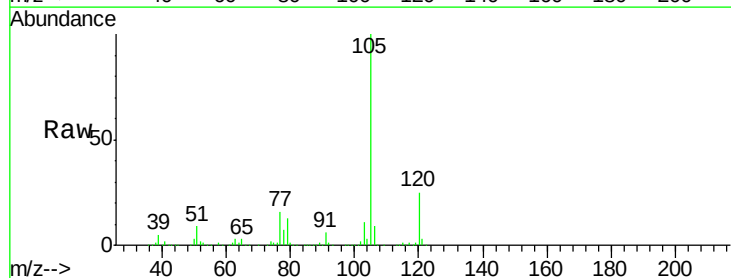
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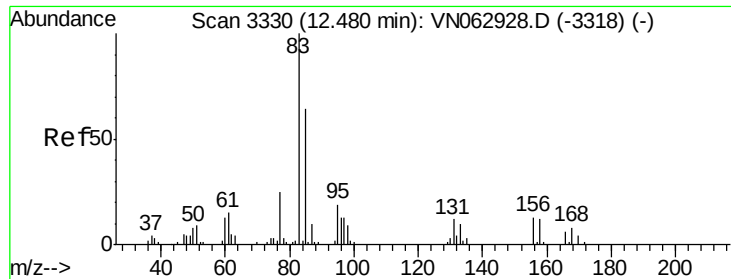
MMDadoda
8/17/2020 5:45:00 PM



#70
Isopropylbenzene
Concen: 157.464 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1372362		
120	25.4		18.0	33.4





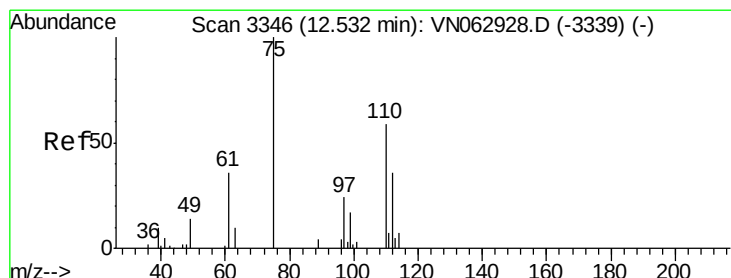
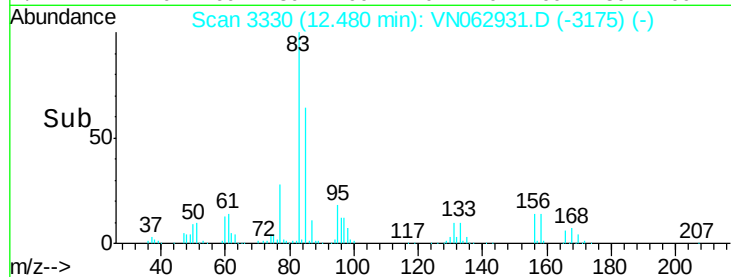
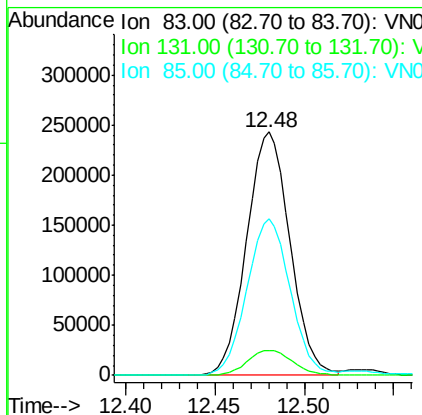
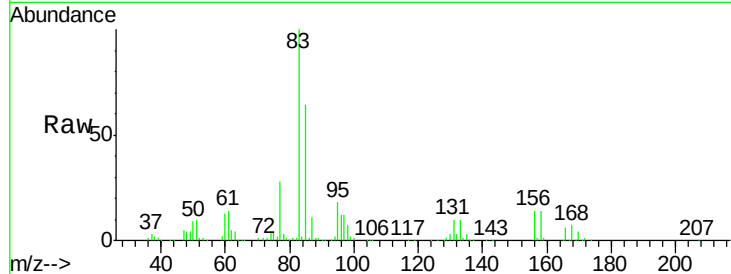
#71
 1,1,2,2-Tetrachloroethane
 Concen: 146.133 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.8	5.5	16.4	
85	64.0	31.7	95.1	

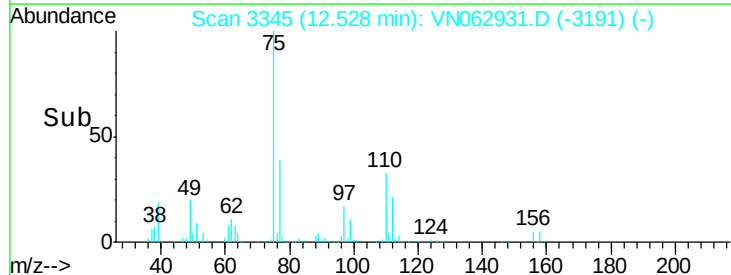
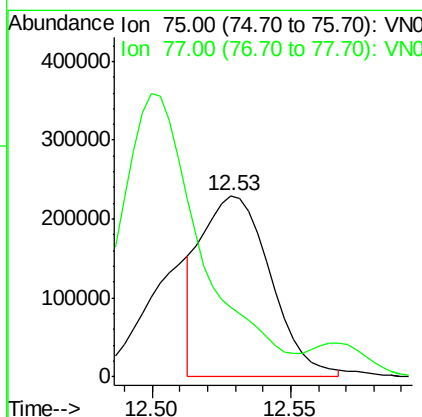
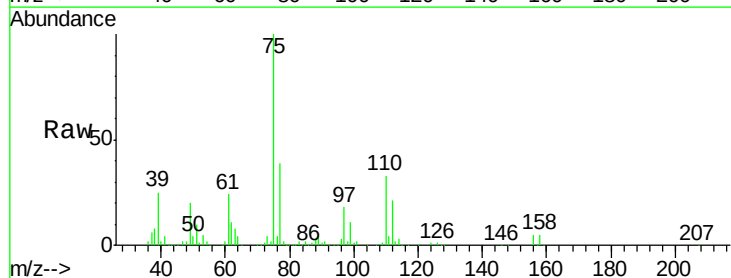
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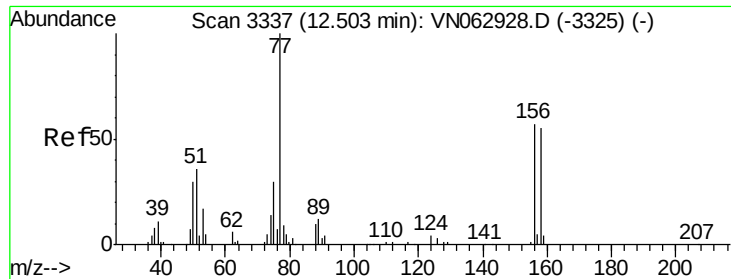
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 8/17/2020 5:45:00 PM



#72
 1,2,3-Trichloropropane
 Concen: 143.071 ug/l m
 RT: 12.53 min Scan# 3346
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	183.3	0.0	313.0	





#73

Bromobenzene

Concen: 159.478 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

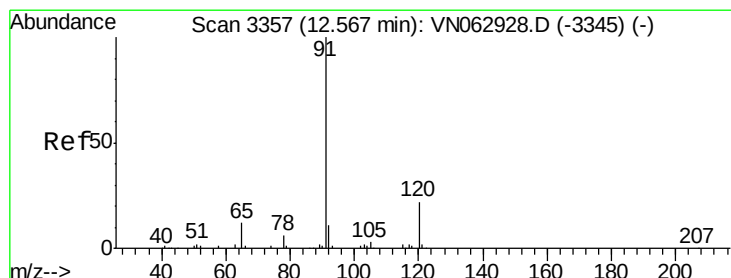
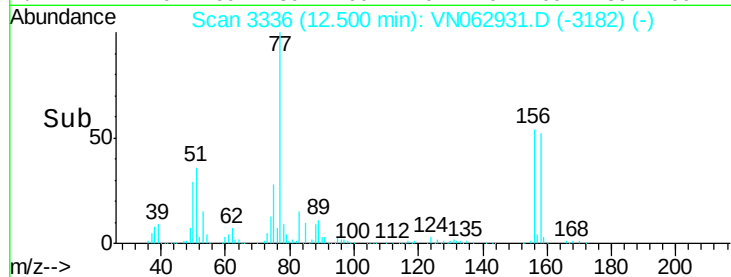
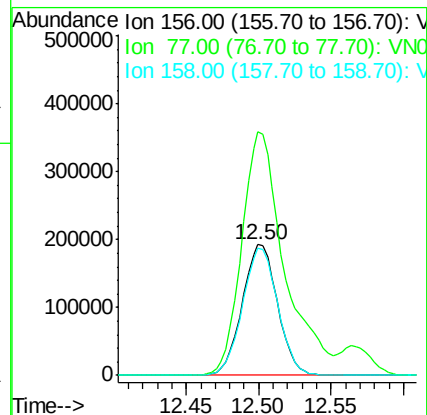
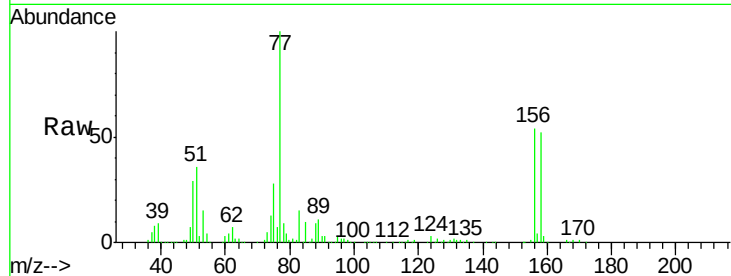
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	326124
Ion Ratio	Lower	Upper	
156	100		
77	224.7	0.0	448.4
158	97.4	0.0	195.0

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#74

n-propylbenzene

Concen: 154.470 ug/l

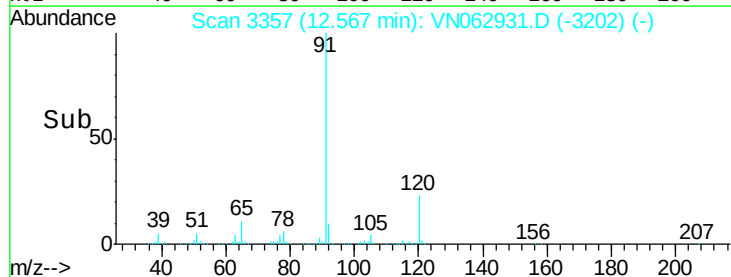
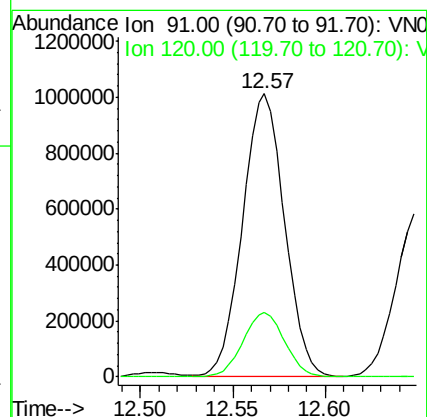
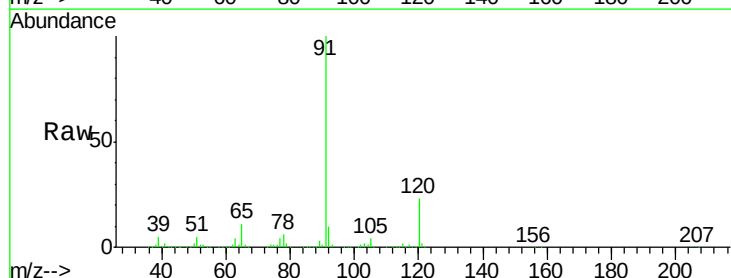
RT: 12.57 min Scan# 3357

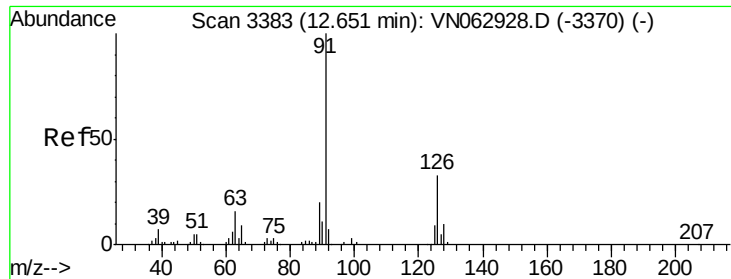
Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Tgt Ion:	91	Resp:	1591718
Ion Ratio	Lower	Upper	
91	100		
120	22.7	0.0	43.4





#75

2-Chlorotoluene

Concen: 154.963 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 971548

Ion Ratio Lower Upper

91 100

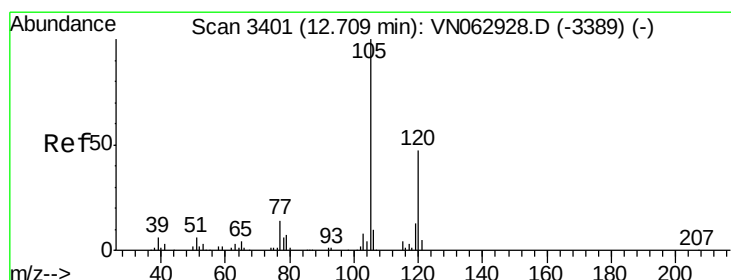
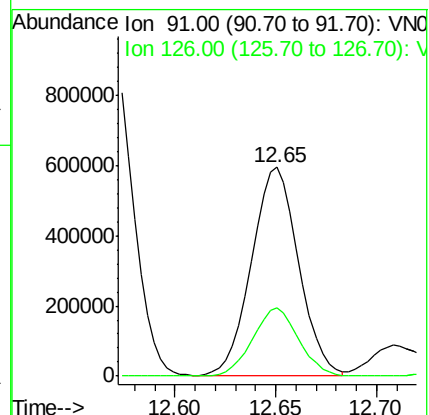
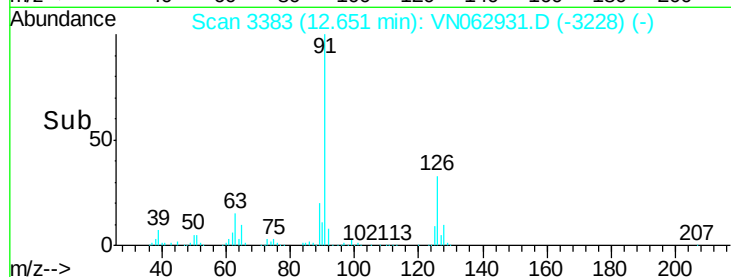
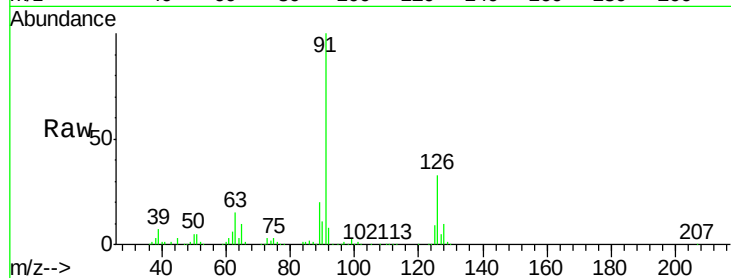
126 32.0 0.0 63.0

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#76

1,3,5-Trimethylbenzene

Concen: 163.911 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062931.D

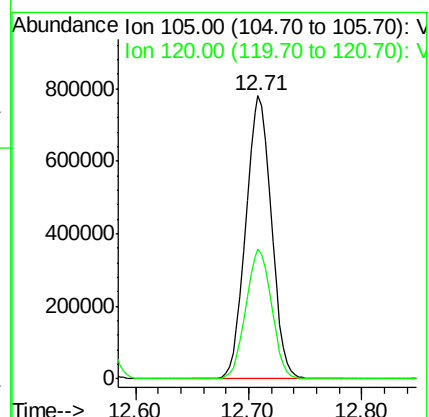
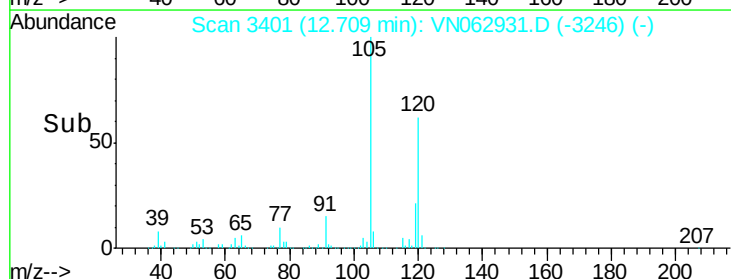
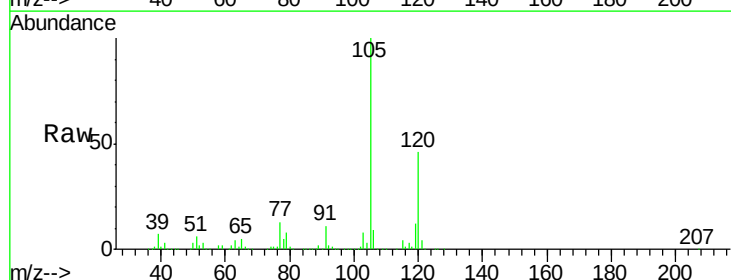
Acq: 14 Aug 2020 00:09

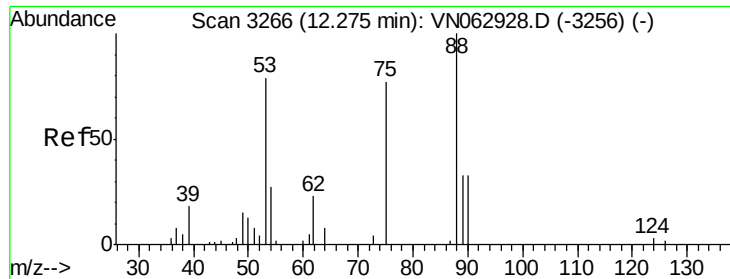
Tgt Ion: 105 Resp: 1229208

Ion Ratio Lower Upper

105 100

120 46.0 0.0 92.4





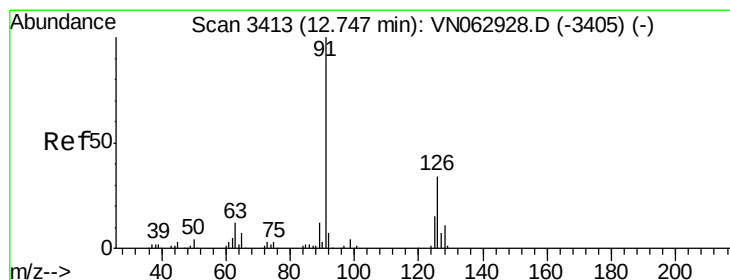
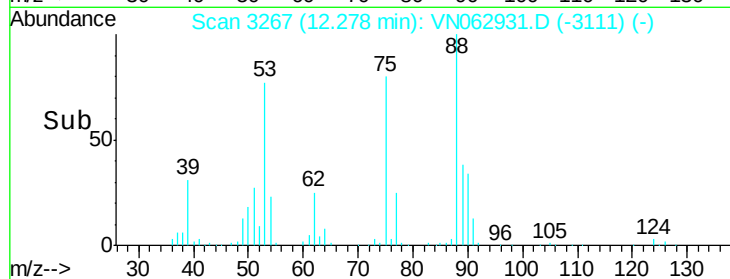
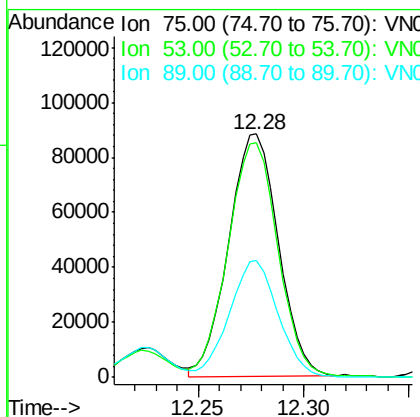
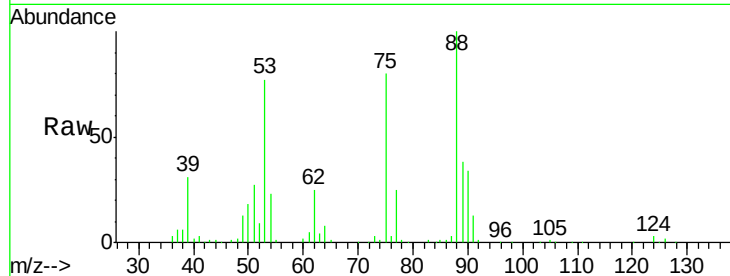
#77
t-1,4-Dichloro-2-butene
Concen: 144.400 ug/l
RT: 12.28 min Scan# 3267
Delta R.T. 0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.3	52.3	157.1
89	47.8	23.4	70.3

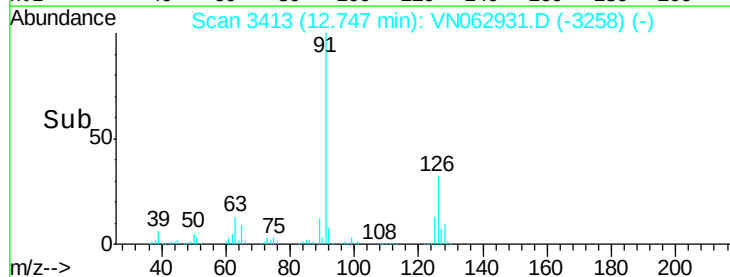
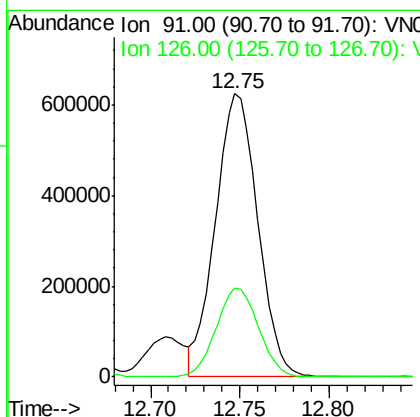
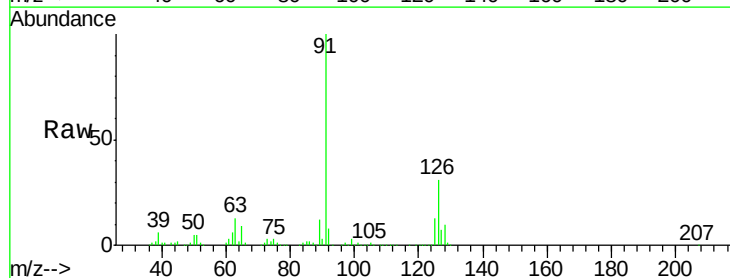
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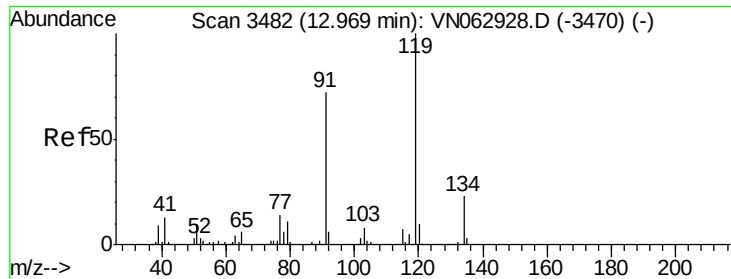
MMDadoda
8/17/2020 5:45:00 PM



#78
4-Chlorotoluene
Concen: 160.345 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	0.0	63.0





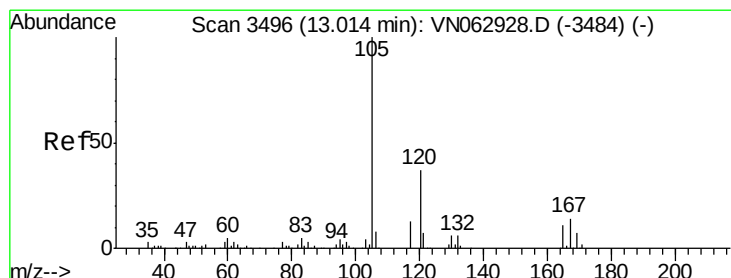
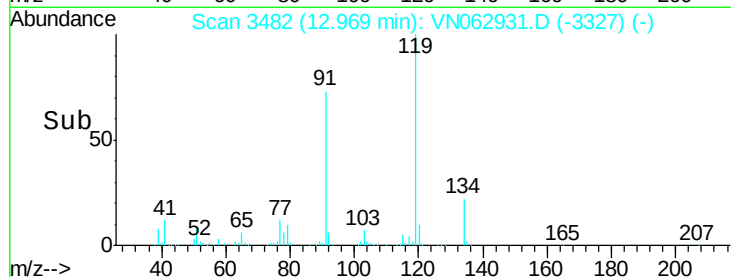
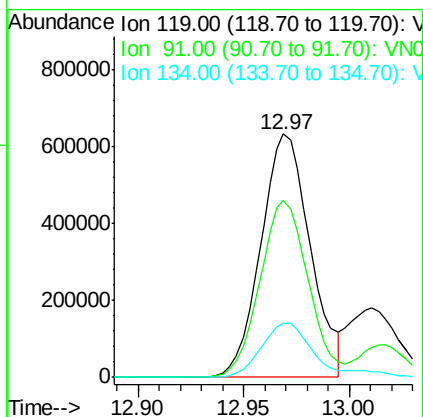
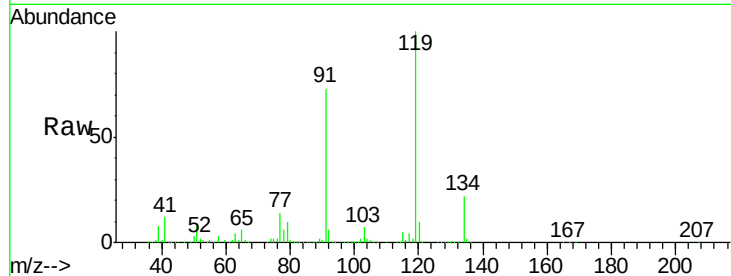
#79
tert-butylbenzene
Concen: 166.800 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.9	0.0	145.0
134	22.3	0.0	44.6

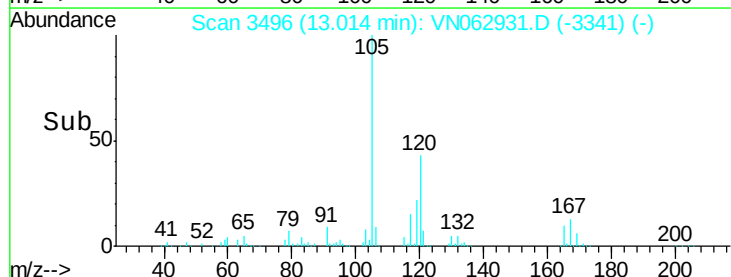
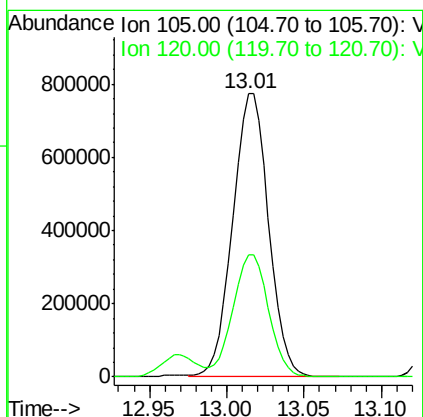
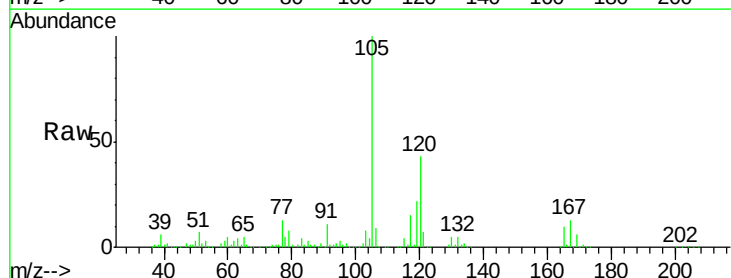
Manual Integrations
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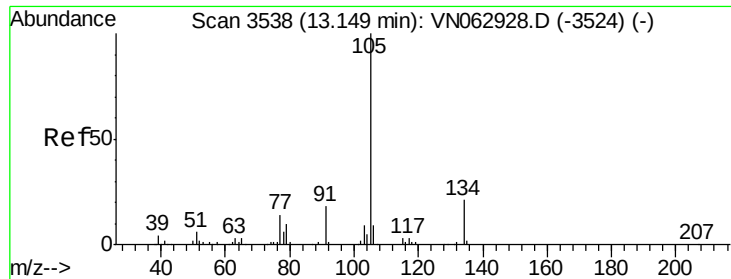
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 169.249 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	0.0	86.6





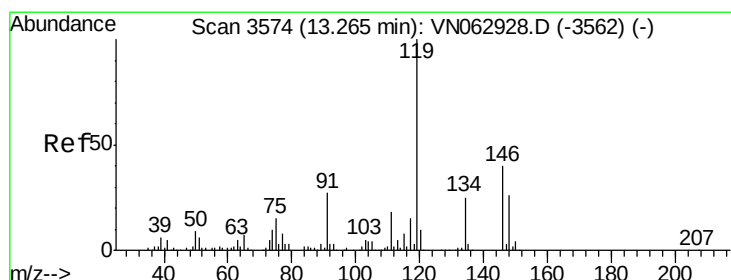
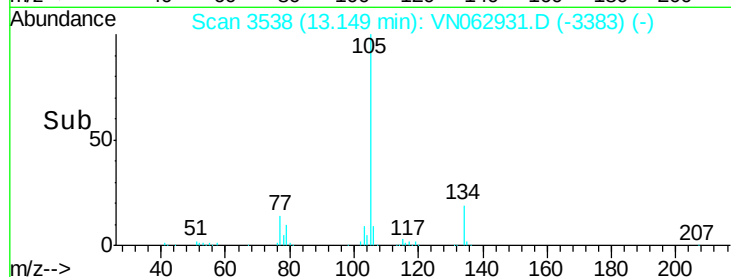
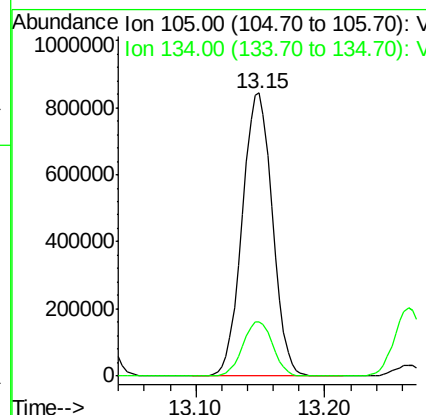
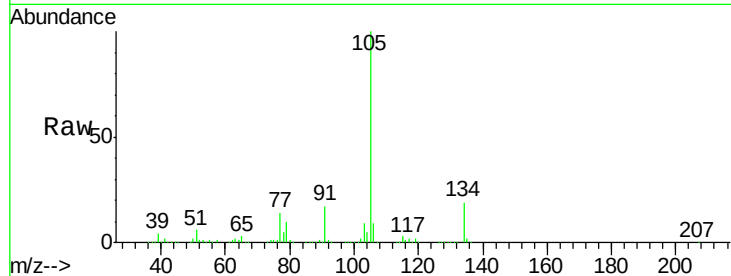
#81
 sec-Butylbenzene
 Concen: 165.476 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1371317
 Ion Ratio Lower Upper
 105 100
 134 19.2 0.0 39.4

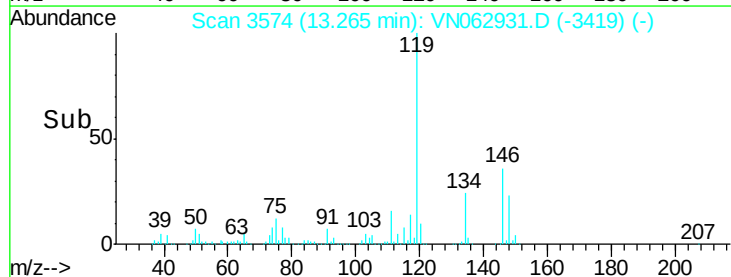
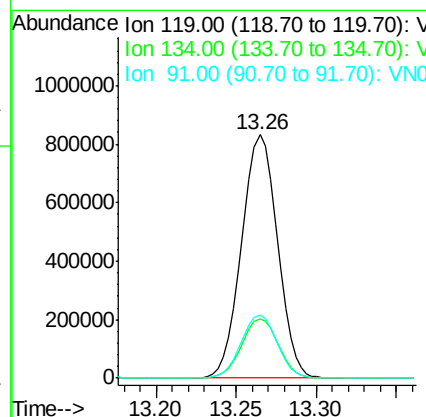
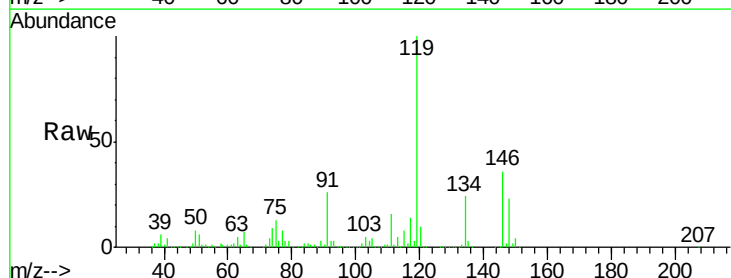
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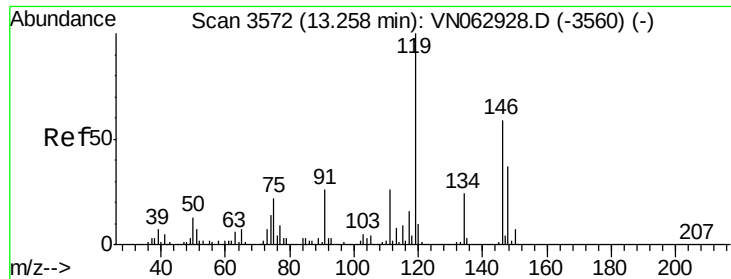
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#82
 p-Isopropyltoluene
 Concen: 173.199 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Tgt Ion:119 Resp: 1269148
 Ion Ratio Lower Upper
 119 100
 134 24.8 0.0 49.6
 91 26.1 0.0 53.6





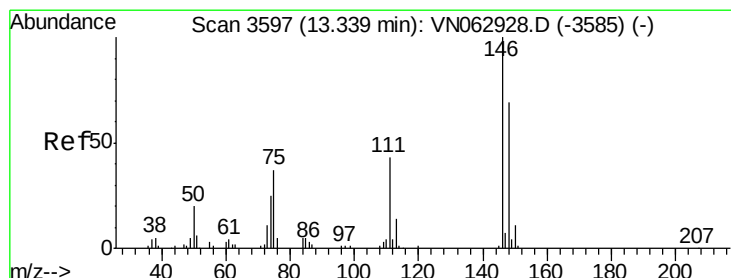
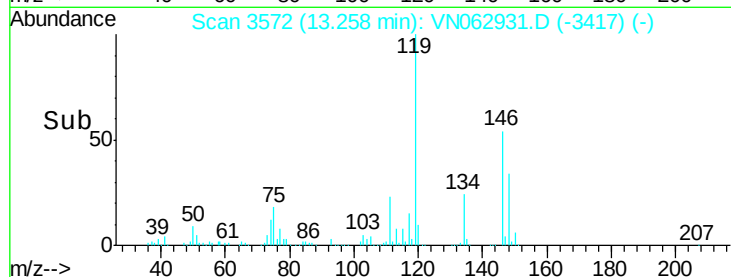
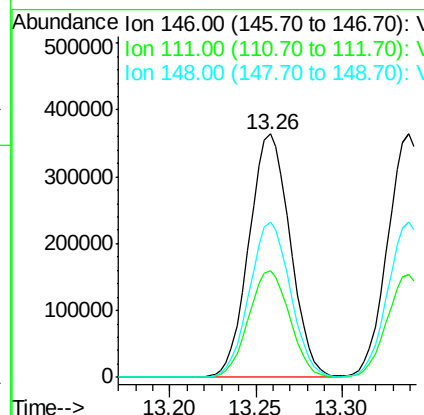
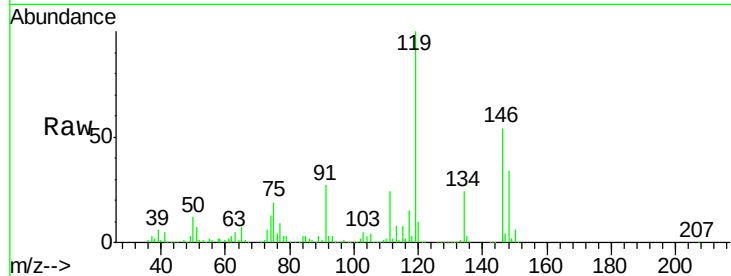
#83
 1,3-Dichlorobenzene
 Concen: 169.998 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	22.4	67.2
148	63.4	31.6	94.7

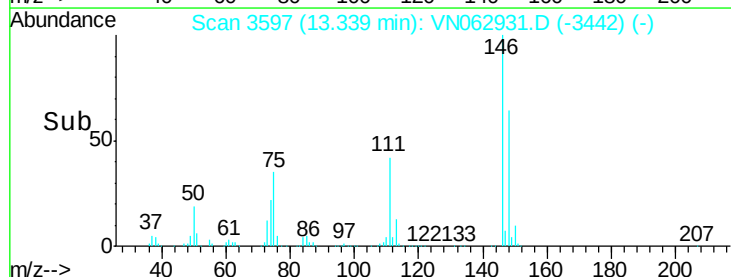
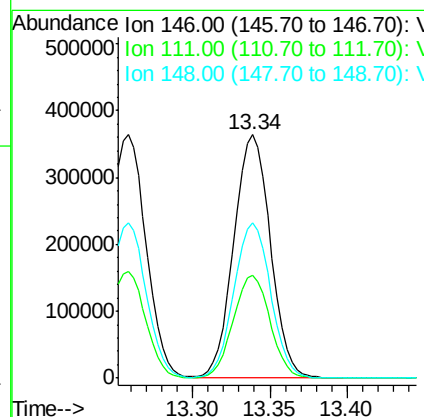
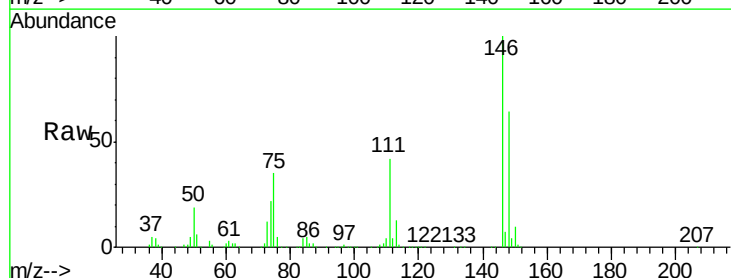
Manual Integrations
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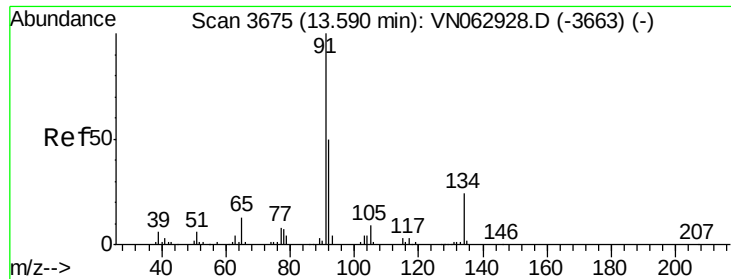
MMDadoda
 8/17/2020 5:45:00 PM



#84
 1,4-Dichlorobenzene
 Concen: 170.571 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	64.8
148	63.8	33.3	99.9





#85

n-Butylbenzene

Concen: 175.851 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN062931.D

Acq: 14 Aug 2020 00:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1089908

Ion Ratio Lower Upper

91 100

92 52.0 0.0 97.2

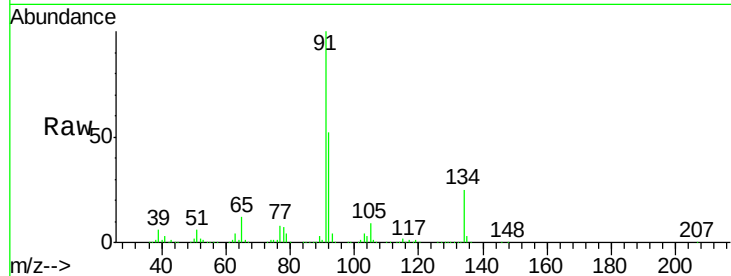
134 24.9 0.0 48.4

Manual Integrations

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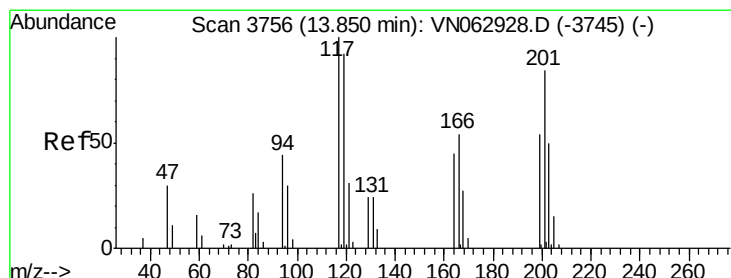
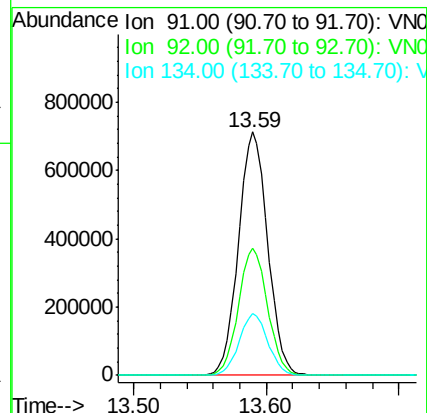
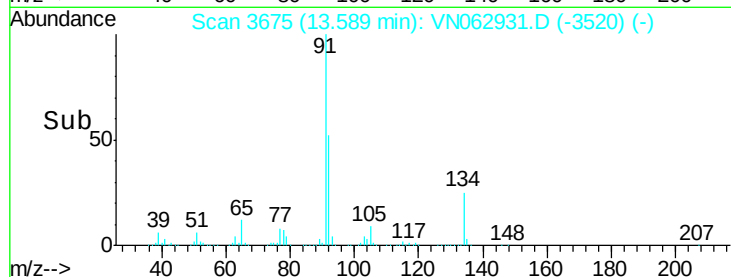


Abundance Ion 91.00 (90.70 to 91.70): VN062928.D (-3663) (-)

Ion 92.00 (91.70 to 92.70): VN062928.D (-3663) (-)

Ion 134.00 (133.70 to 134.70): VN062928.D (-3663) (-)

Time--> 13.55 13.60



#86

Hexachloroethane

Concen: 164.402 ug/l

RT: 13.85 min Scan# 3756

Delta R.T. -0.00 min

Lab File: VN062931.D

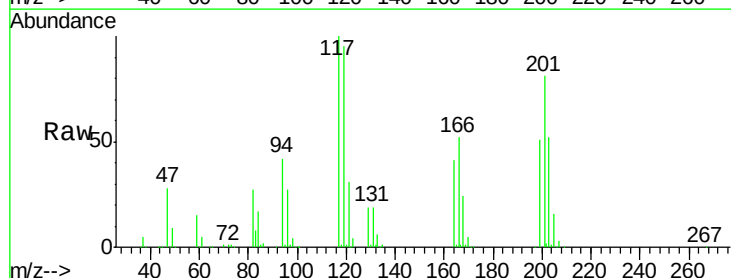
Acq: 14 Aug 2020 00:09

Tgt Ion: 117 Resp: 236216

Ion Ratio Lower Upper

117 100

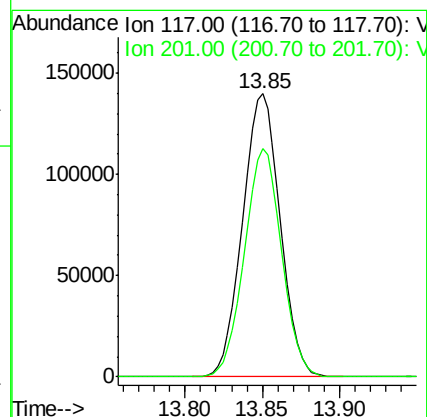
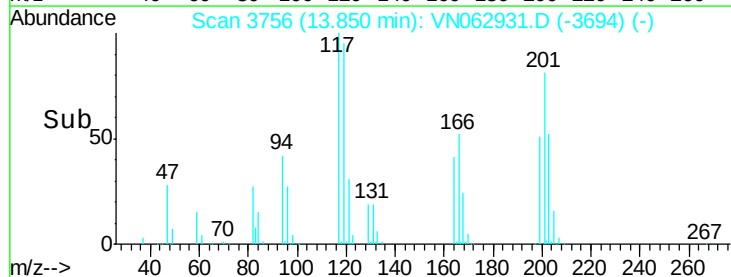
201 79.8 40.9 122.7

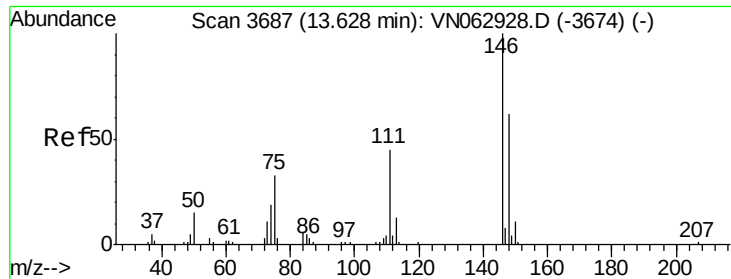


Abundance Ion 117.00 (116.70 to 117.70): VN062928.D (-3745) (-)

Ion 201.00 (200.70 to 201.70): VN062928.D (-3745) (-)

Time--> 13.80 13.85 13.90





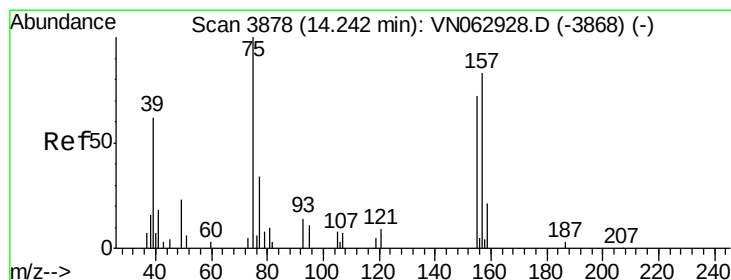
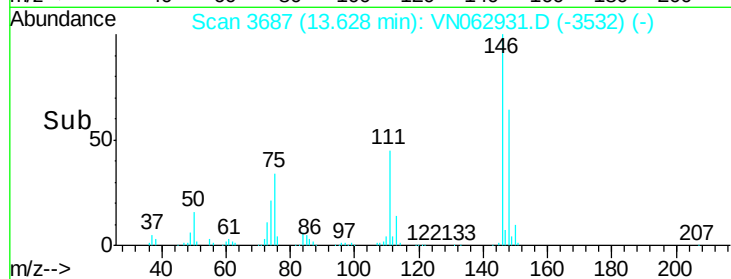
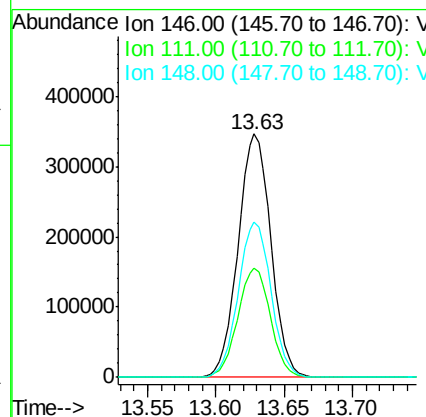
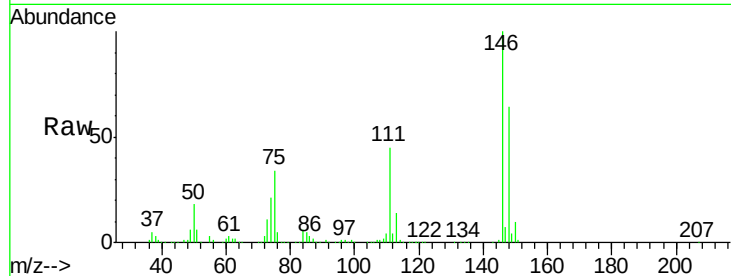
#87
 1,2-Dichlorobenzene
 Concen: 168.849 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
146	100	578786		
111	44.8	23.3	69.8	
148	63.9	31.3	93.8	

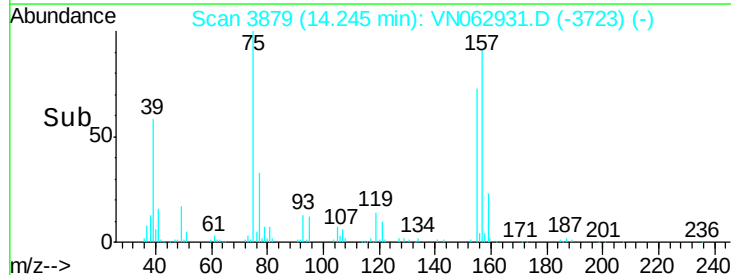
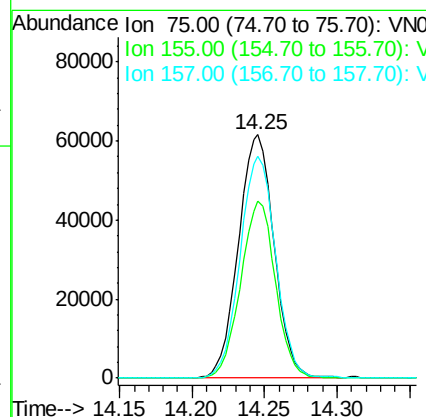
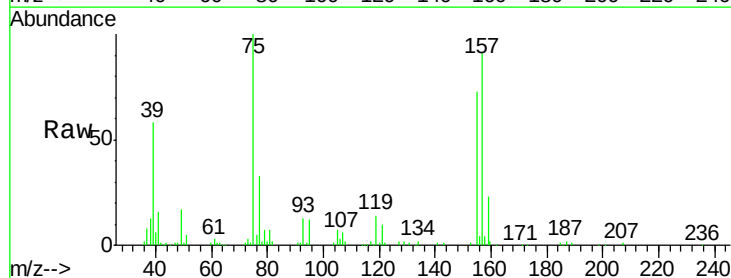
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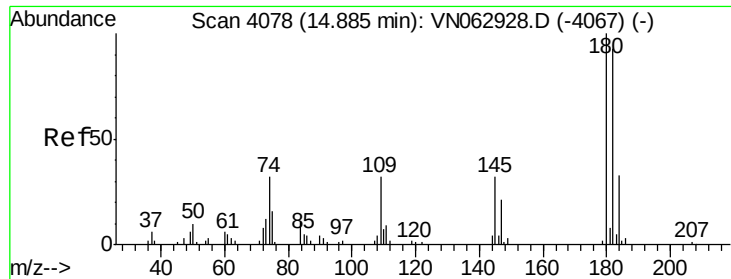
MMDadoda
 8/17/2020 5:45:00 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 196.343 ug/l
 RT: 14.25 min Scan# 3879
 Delta R.T. 0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105487		
155	70.6	59.8	89.8	
157	90.8	71.6	107.4	





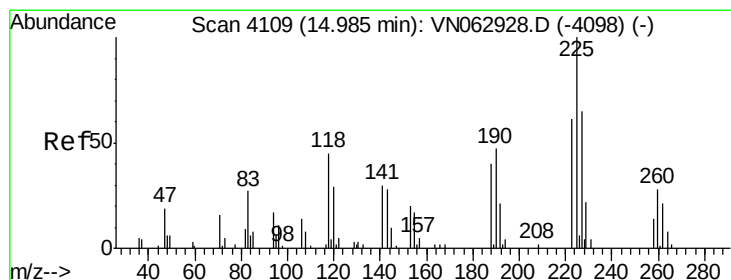
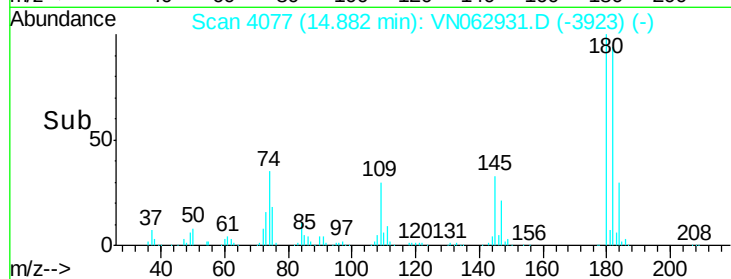
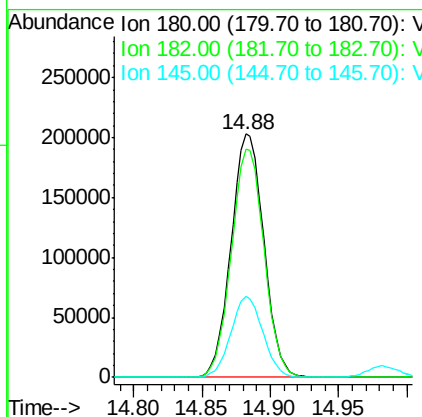
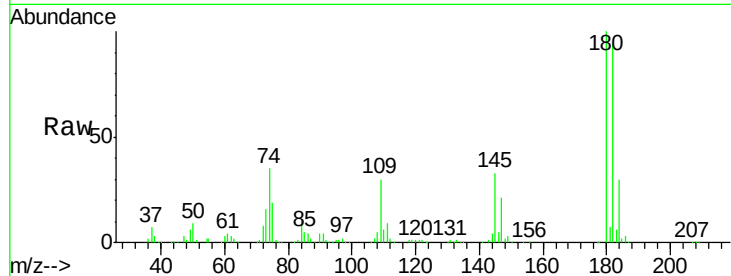
#89
 1,2,4-Trichlorobenzene
 Concen: 203.992 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	339642		
182	93.3		75.3	112.9
145	32.4		25.4	38.2

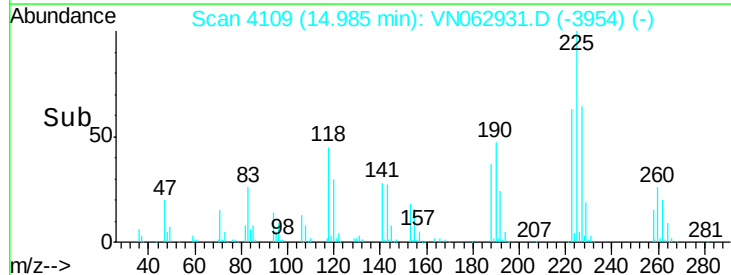
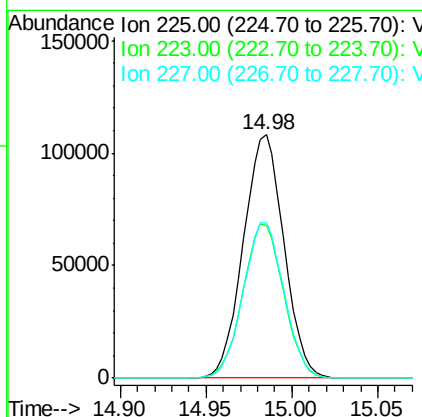
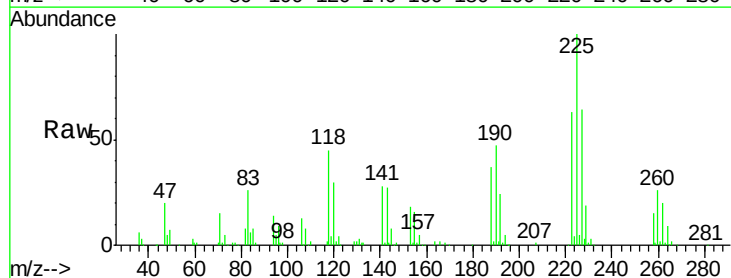
Manual Integrations
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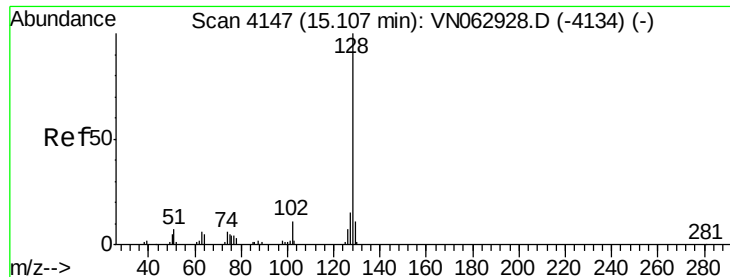
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#90
 Hexachlorobutadiene
 Concen: 182.555 ug/l
 RT: 14.98 min Scan# 4109
 Delta R.T. -0.00 min
 Lab File: VN062931.D
 Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	177237		
223	63.4		0.0	129.8
227	63.9		0.0	133.6





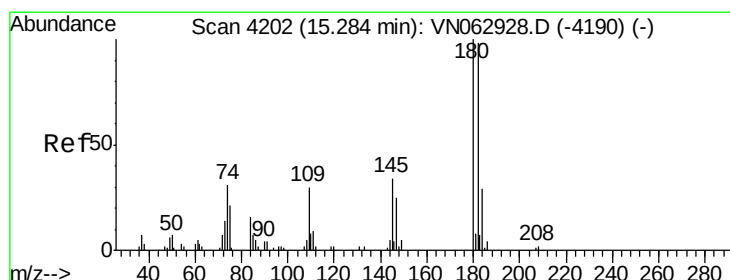
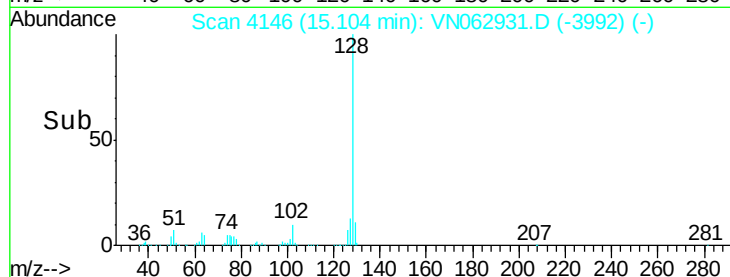
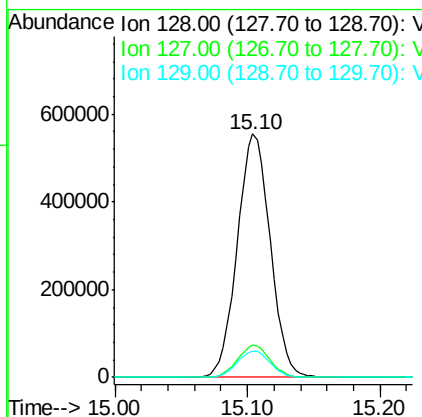
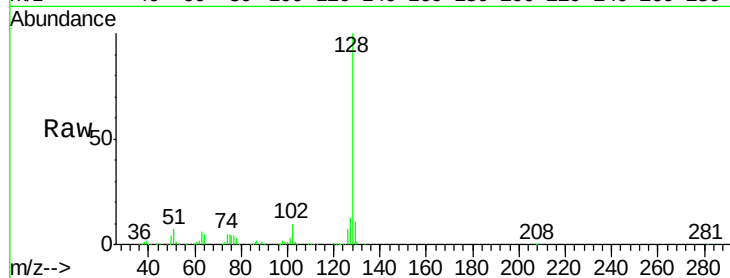
#91
Naphthalene
Concen: 214.679 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.6	17.4
129	10.8	8.4	12.6

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#92
1,2,3-Trichlorobenzene
Concen: 199.277 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062931.D
Acq: 14 Aug 2020 00:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	0.0	196.4
145	34.8	0.0	71.4

