

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062930.D
 Acq On : 13 Aug 2020 23:45
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 9:20:10 AM

Quant Time: Aug 14 05:54:28 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	32549	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	174306	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	164558	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	84852	30.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.10%
60) 4-Bromofluorobenzene	12.38	95	86858	31.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.57%
63) Toluene-d8	10.06	98	230161	29.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	291711	136.394	ug/l 96
3) Chloromethane	2.03	50	295035	110.123	ug/l 97
4) Vinyl Chloride	2.16	62	372710	155.605	ug/l 99
5) Bromomethane	2.50	94	200836	141.441	ug/l 99
6) Chloroethane	2.65	64	212854	151.170	ug/l 98
7) Trichlorofluoromethane	2.97	101	442946	131.760	ug/l 98
8) Diethyl Ether	3.37	74	103853	79.694	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.71	101	146641	81.811	ug/l 97
10) 1,1-Dichloroethene	3.69	96	136132	75.928	ug/l 92
11) Methyl Iodide	3.91	142	206468	92.003	ug/l 95
12) Methyl Acetate	4.28	43	230324	93.564	ug/l 97
13) Acrolein	3.56	56	142350	407.119	ug/l 97
14) Acrylonitrile	4.93	53	539438	478.302	ug/l 96
15) Acetone	3.77	58	128020	390.023	ug/l 91
16) Carbon Disulfide	4.00	76	396839	69.672	ug/l 99
17) Allyl chloride	4.27	41	270720	74.445	ug/l 93
18) Methylene Chloride	4.50	84	185697	83.886	ug/l 94
19) trans-1,2-Dichloroethene	4.99	96	159819	80.674	ug/l 94
20) Diisopropyl ether	5.90	45	638176	82.460	ug/l 98
21) 1,1-Dichloroethane	5.80	63	344497	82.517	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	197397	87.213	ug/l # 90
23) tert-Butyl Alcohol	4.74	59	213443	539.884	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	662086	97.318	ug/l 97
25) Chloroform	7.33	83	366995	93.198	ug/l 100
26) Cyclohexane	7.61	56	323801	89.217	ug/l # 94
29) 1,1-Dichloropropene	7.75	75	253158	87.909	ug/l 99
30) 2-Butanone	6.79	43	702339	471.264	ug/l 99
31) 2,2-Dichloropropane	6.77	77	237605	74.797	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	327275	101.017	ug/l 97
33) Carbon Tetrachloride	7.73	117	284132	100.486	ug/l 97
34) Benzene	8.00	78	751836	88.027	ug/l # 87
35) Methacrylonitrile	7.12	41	127436	98.506	ug/l 93
36) 1,2-Dichloroethane	8.09	62	306617	95.877	ug/l 100
37) Trichloroethene	8.80	130	183856	93.821	ug/l 98
38) Methylcyclohexane	9.05	83	322499	98.902	ug/l 99
39) 1,2-Dichloropropane	9.09	63	213570	88.433	ug/l 98
40) Dibromomethane	9.18	93	137191	95.416	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	306251	99.161	ug/l	98
42) Vinyl Acetate	5.84	43	2304369	382.372	ug/l	99
43) Ethyl Acetate	6.88	43	260318	86.278	ug/l #	86
44) Isopropyl Acetate	8.13	43	443043	87.984	ug/l	99
45) 1,4-Dioxane	9.17	88	85089	2313.405	ug/l	97
46) Methyl methacrylate	9.17	41	220230	91.468	ug/l	98
47) n-amyl Acetate	12.05	43	418998	97.341	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	331014	93.981	ug/l	96
49) cis-1,3-Dichloropropene	9.81	75	339201	90.743	ug/l	98
50) 1,1,2-Trichloroethane	10.54	97	202135	99.952	ug/l	99
51) Ethyl methacrylate	10.40	69	336290	101.415	ug/l	97
52) 1,3-Dichloropropane	10.68	76	348512	94.994	ug/l	98
53) Dibromochloromethane	10.87	129	238673	106.166	ug/l	99
54) 1,2-Dibromoethane	10.98	107	205897	99.420	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	434733	433.129	ug/l	99
56) Bromoform	12.10	173	175406	113.382	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	1497300	484.473	ug/l	99
59) 2-Hexanone	10.72	43	1111876	491.464	ug/l	97
61) Tetrachloroethene	10.60	164	158384	94.870	ug/l	98
62) Toluene	10.12	91	841040	92.382	ug/l	99
64) Chlorobenzene	11.41	112	529026	97.186	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	213385	103.319	ug/l	99
66) Ethyl Benzene	11.48	91	980453	97.275	ug/l	99
67) m/p-Xylenes	11.60	106	727440	196.274	ug/l	100
68) o-Xylene	11.92	106	354697	100.523	ug/l	98
69) Styrene	11.94	104	632204	104.000	ug/l	99
70) Isopropylbenzene	12.22	105	976141	101.723	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	312288	100.260	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	295077m	95.887	ug/l	
73) Bromobenzene	12.50	156	232847	103.415	ug/l	98
74) n-propylbenzene	12.57	91	1158750	102.132	ug/l	99
75) 2-Chlorotoluene	12.65	91	707547	102.497	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	889010	107.667	ug/l	100
77) t-1,4-Dichloro-2-butene	12.27	75	105836	96.190	ug/l	94
78) 4-Chlorotoluene	12.75	91	733787	104.481	ug/l	99
79) tert-butylbenzene	12.97	119	736077	108.040	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	887686	109.858	ug/l	99
81) sec-Butylbenzene	13.15	105	980494	107.457	ug/l	98
82) p-Isopropyltoluene	13.26	119	897675	111.261	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	428945	109.513	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	452026	117.204	ug/l	96
85) n-Butylbenzene	13.59	91	985148	144.360	ug/l	96
86) Hexachloroethane	13.85	117	222606	140.711	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	531079	140.712	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.25	75	94493	159.738	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	278254	151.784	ug/l	99
90) Hexachlorobutadiene	14.98	225	154849	144.857	ug/l	97
91) Naphthalene	15.10	128	783975	159.767	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	268993	146.120	ug/l	97

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ALS Vial : 33 Sample Multiplier: 1

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ClientSampleId :
VSTDICC100

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QLast Update : Fri Aug 14 05:30:32 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

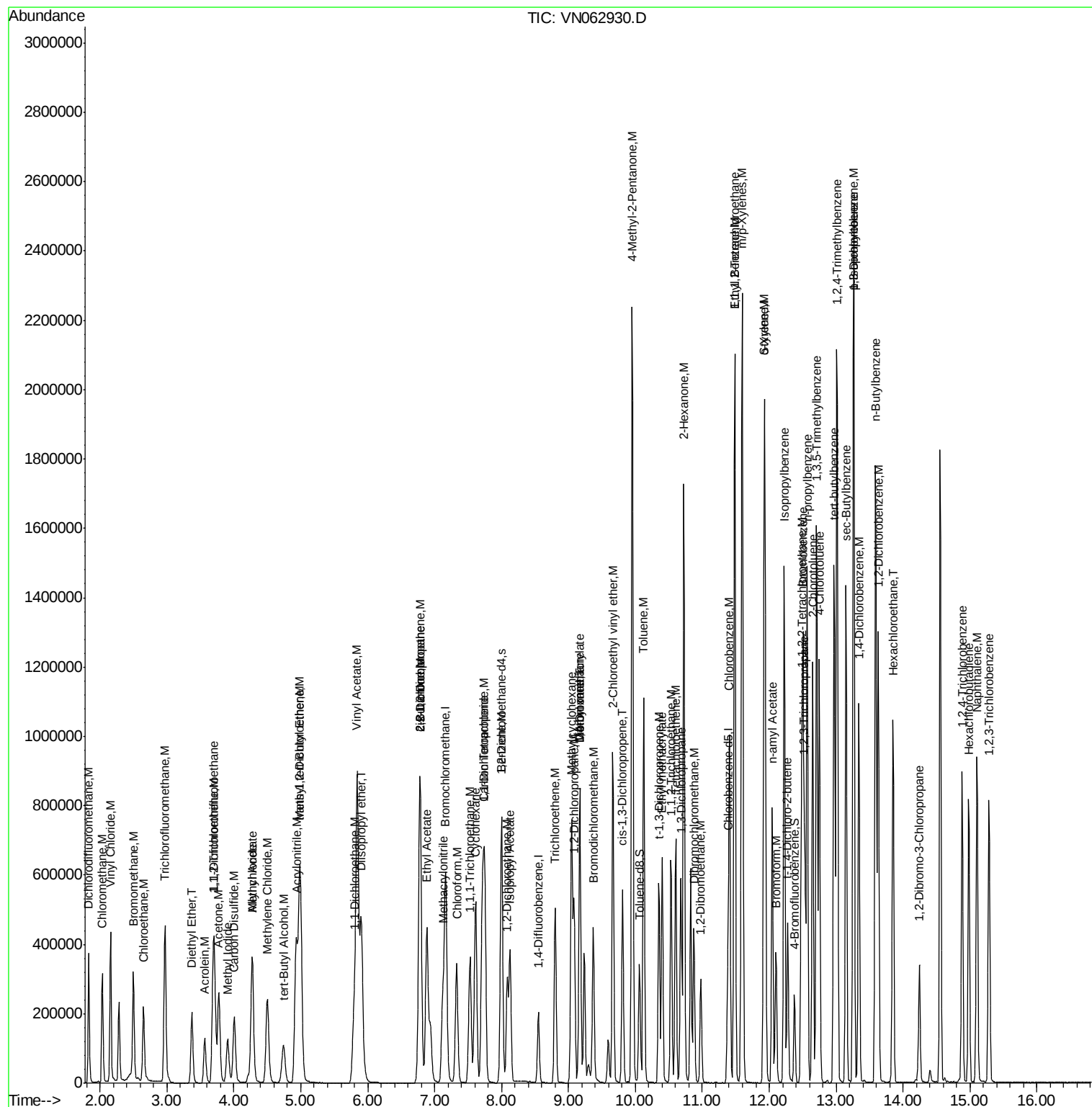
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
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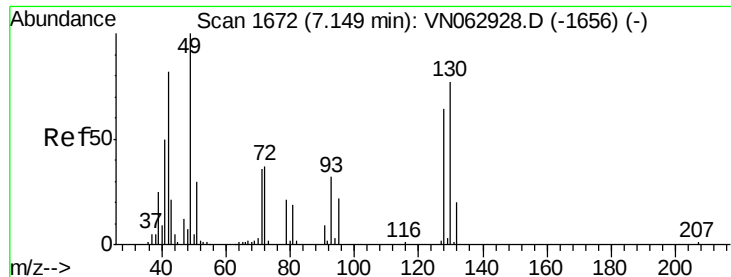
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:128 Resp: 32549

Ion Ratio Lower Upper

128 100

49 176.4 0.0 410.0

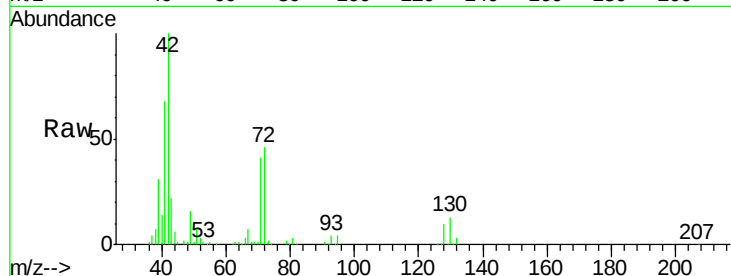
130 128.9 0.0 316.5

Manual Integrations

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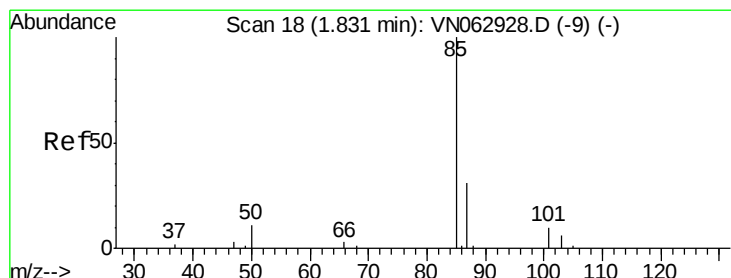
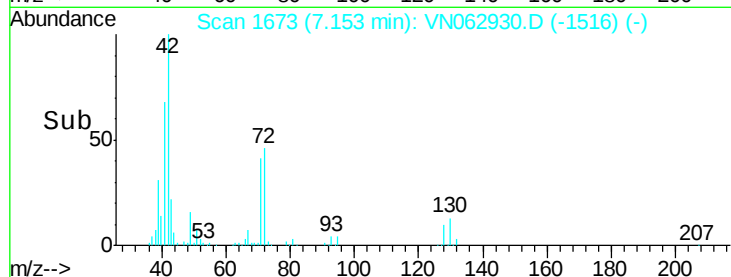
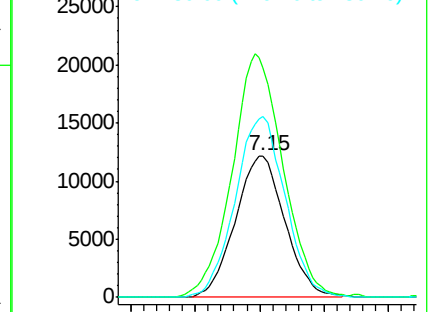
8/17/2020 9:20:10 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 136.394 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062930.D

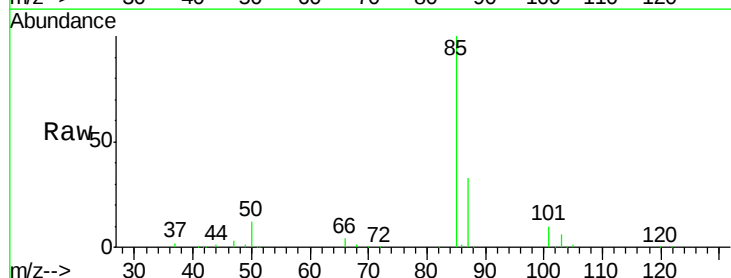
Acq: 13 Aug 2020 23:45

Tgt Ion: 85 Resp: 291711

Ion Ratio Lower Upper

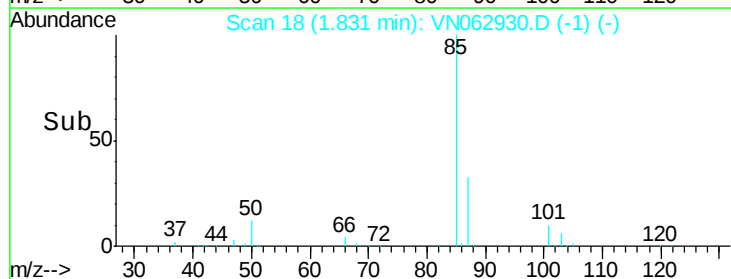
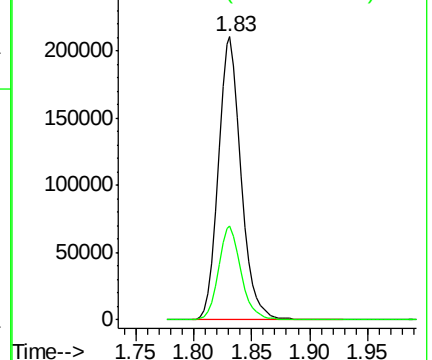
85 100

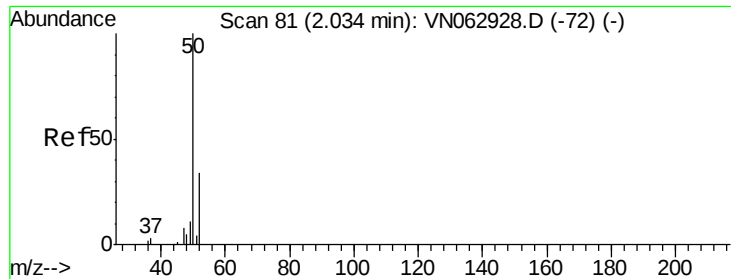
87 33.1 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 110.123 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 295035

Ion Ratio Lower Upper

50 100

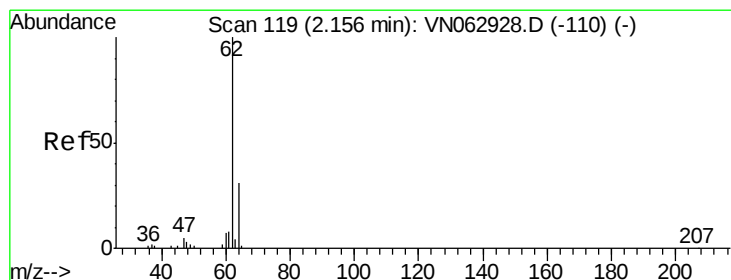
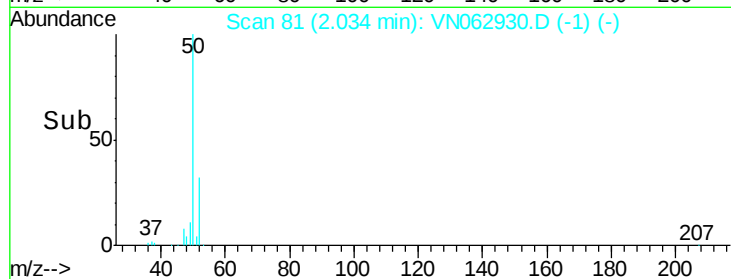
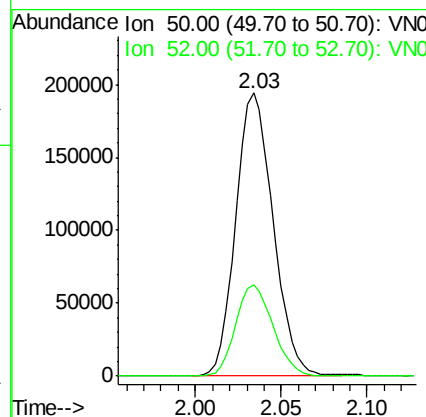
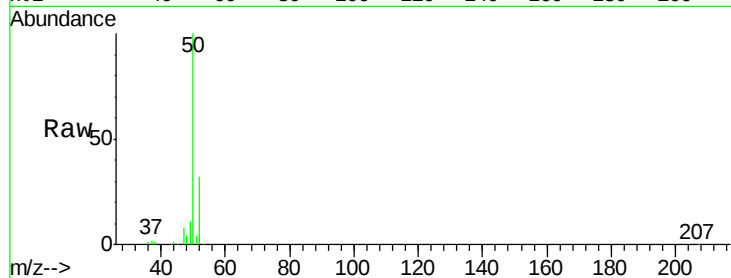
52 32.2 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 155.605 ug/l

RT: 2.16 min Scan# 119

Delta R.T. 0.00 min

Lab File: VN062930.D

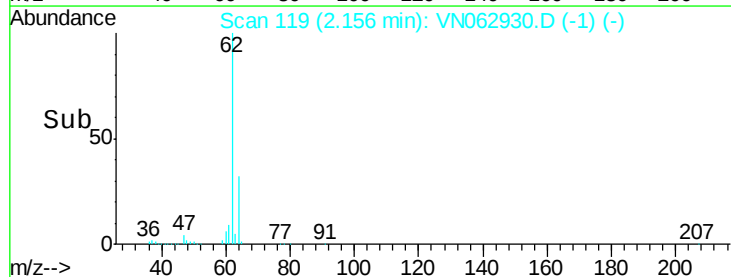
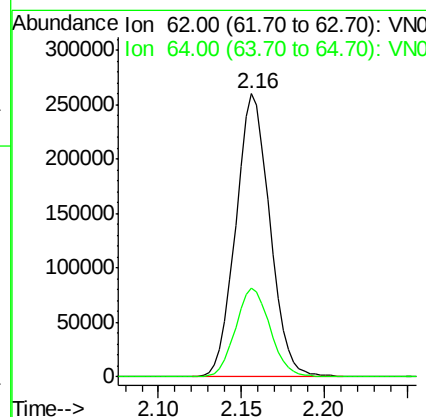
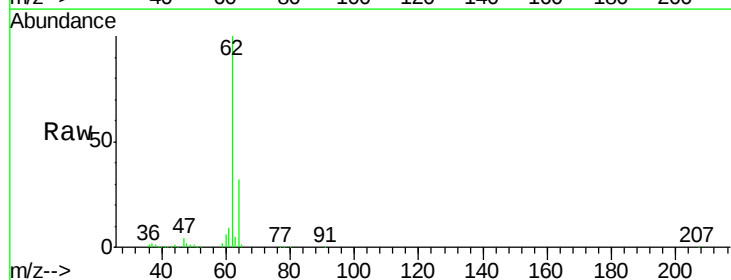
Acq: 13 Aug 2020 23:45

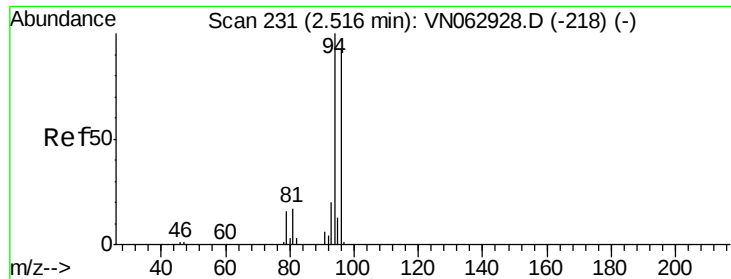
Tgt Ion: 62 Resp: 372710

Ion Ratio Lower Upper

62 100

64 31.6 24.6 37.0





#5

Bromomethane

Concen: 141.441 ug/l

RT: 2.50 min Scan# 225

Delta R.T. -0.02 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 200836

Ion Ratio Lower Upper

94 100

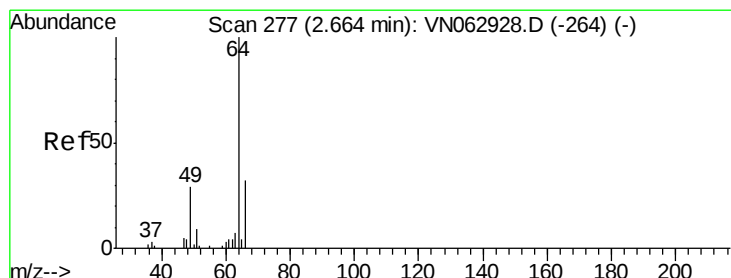
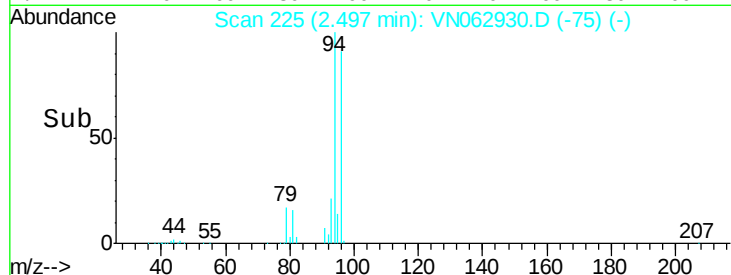
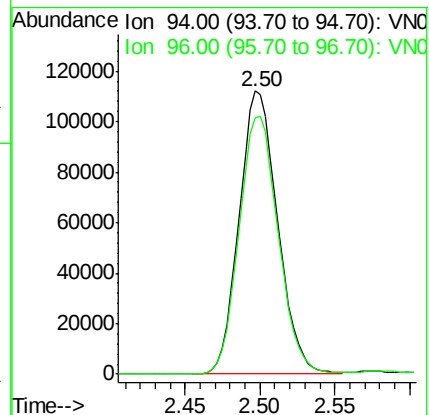
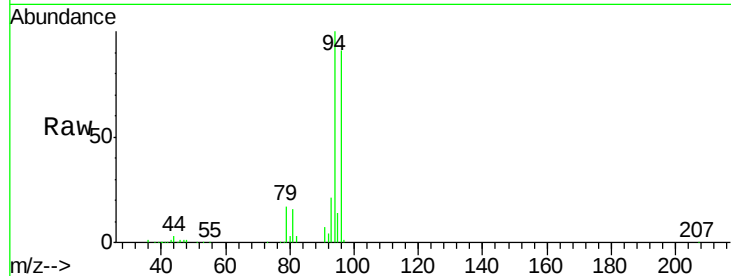
96 90.8 73.7 110.5

Manual Integrations

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#6

Chloroethane

Concen: 151.170 ug/l

RT: 2.65 min Scan# 273

Delta R.T. -0.01 min

Lab File: VN062930.D

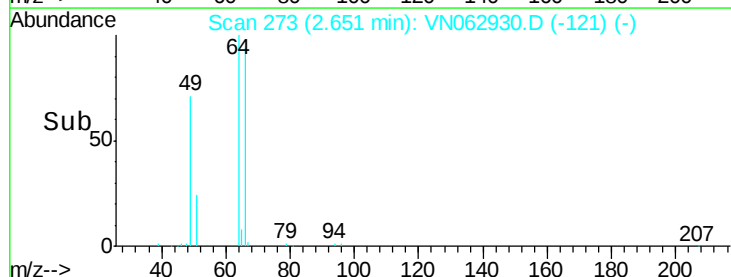
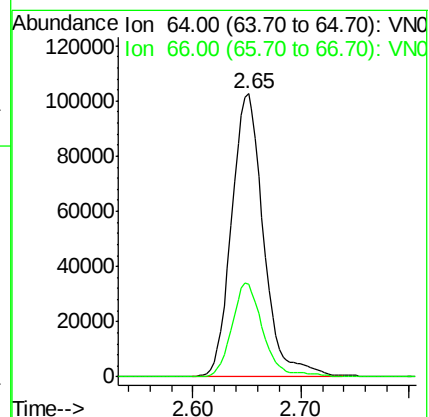
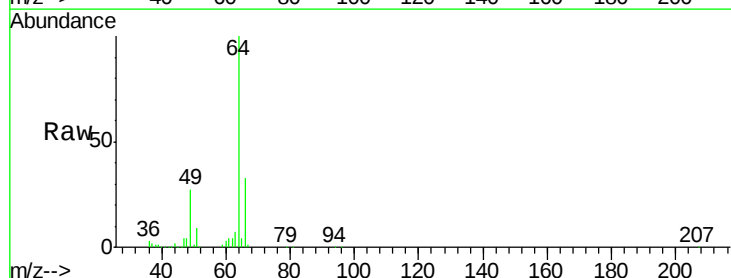
Acq: 13 Aug 2020 23:45

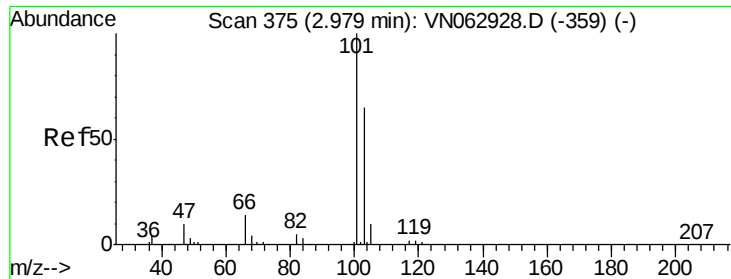
Tgt Ion: 64 Resp: 212854

Ion Ratio Lower Upper

64 100

66 32.6 25.3 37.9





#7

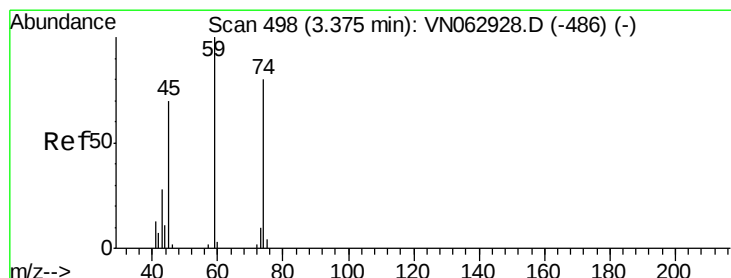
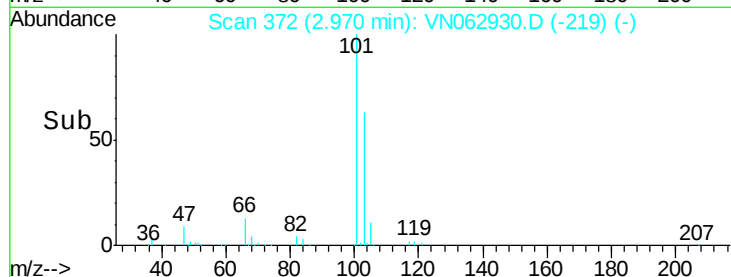
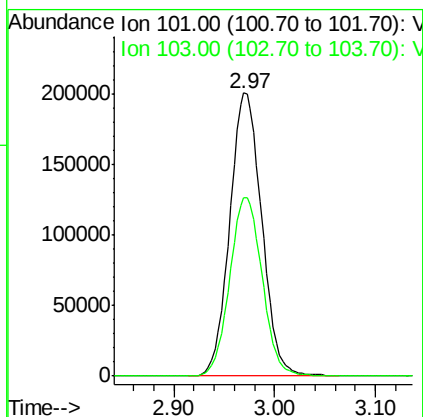
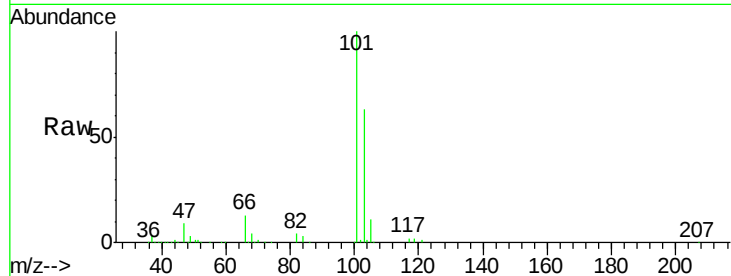
Trichlorofluoromethane
Concen: 131.760 ug/l
RT: 2.97 min Scan# 372
Delta R.T. -0.01 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

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VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		442946		
103	63.1	51.8	77.6		

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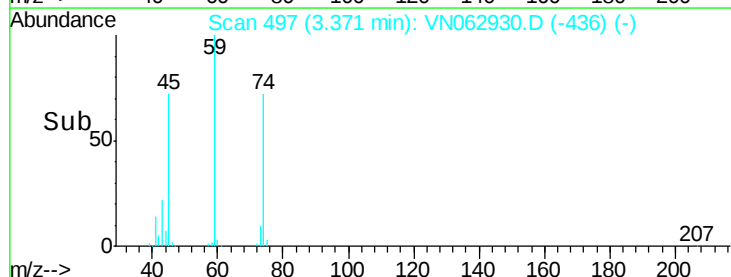
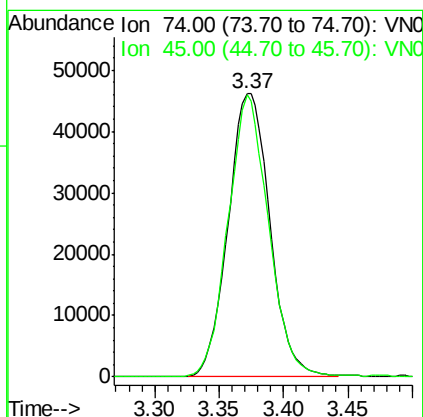
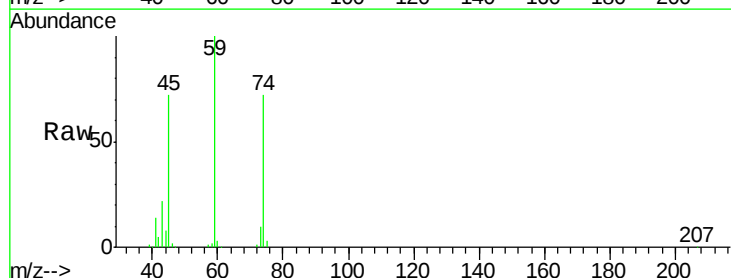
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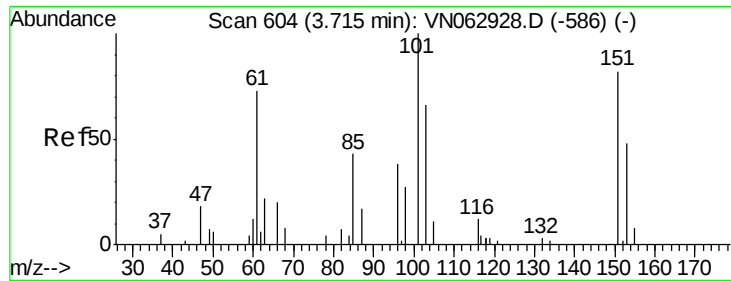


#8

Diethyl Ether
Concen: 79.694 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		103853		
45	96.5	18.7	167.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 81.811 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

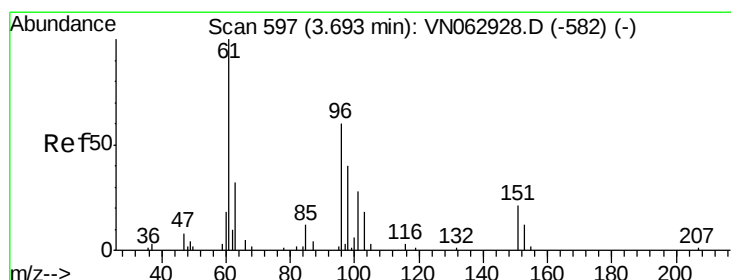
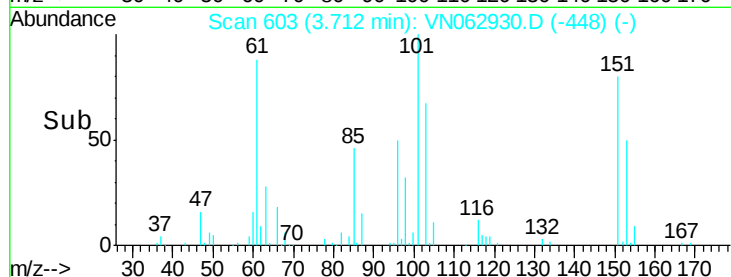
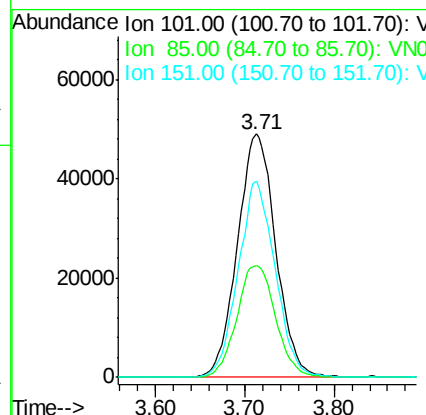
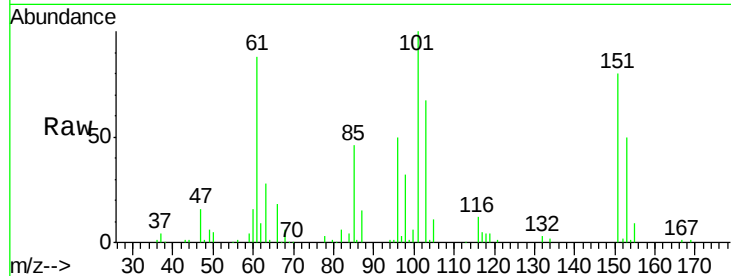
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	146641
Ion Ratio	Lower	Upper	
101	100		
85	46.4	0.0	92.4
151	77.9	0.0	162.6

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#10

1,1-Dichloroethene

Concen: 75.928 ug/l

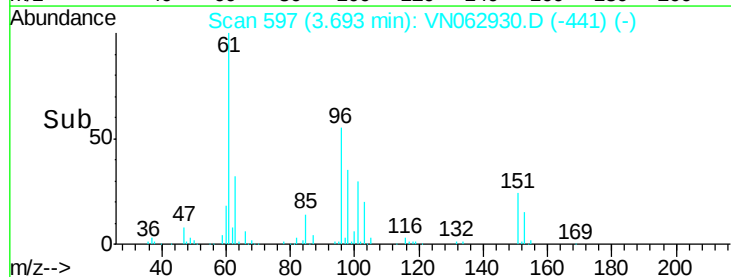
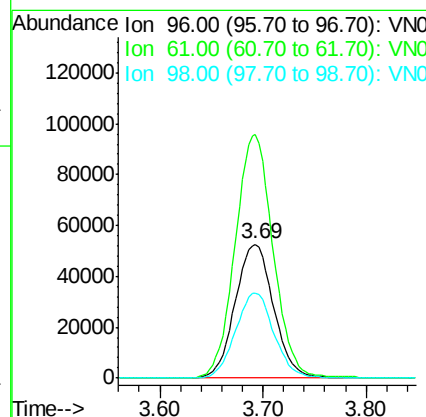
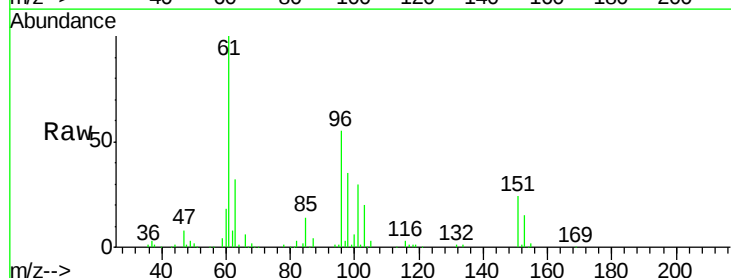
RT: 3.69 min Scan# 597

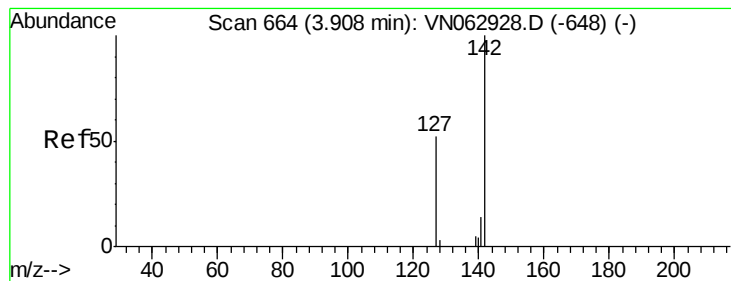
Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Tgt Ion:	96	Resp:	136132
Ion Ratio	Lower	Upper	
96	100		
61	182.3	134.5	201.7
98	63.9	53.3	79.9





#11

Methyl Iodide

Concen: 92.003 ug/l

RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

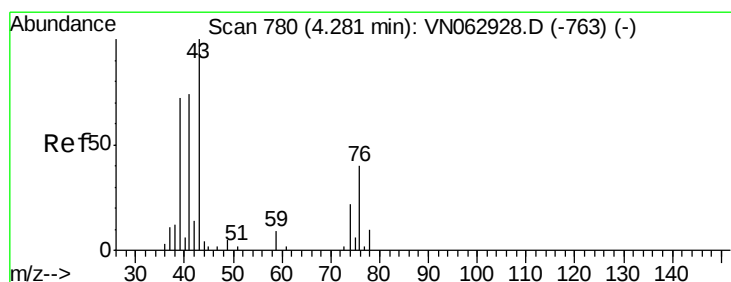
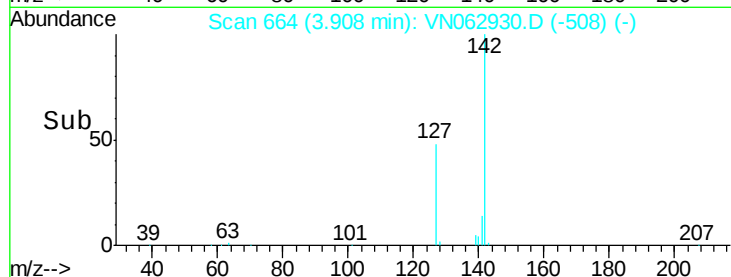
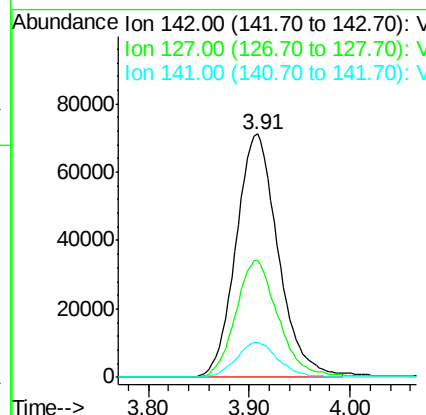
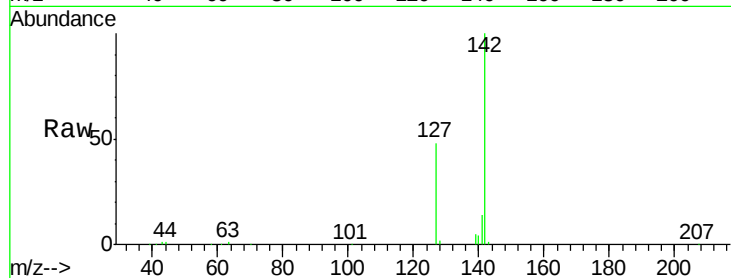
ClientSampleId :

VSTDIC100

Tot Ion:	142	Resp:	206468
Ion Ratio	Lower	Upper	
142	100		
127	48.0	26.1	78.3
141	14.3	7.2	21.7

Manual Integrations
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#12

Methyl Acetate

Concen: 93.564 ug/l

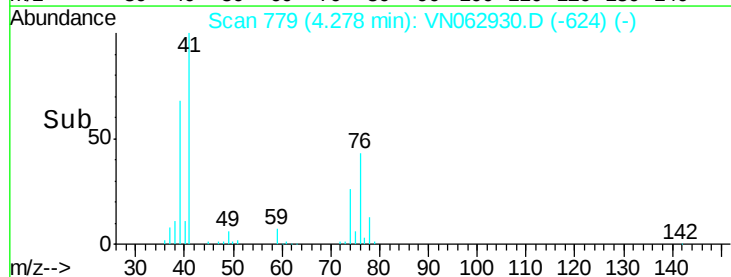
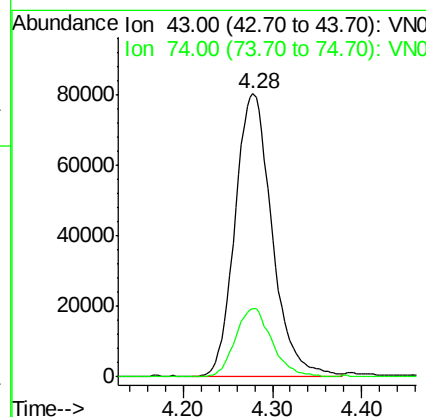
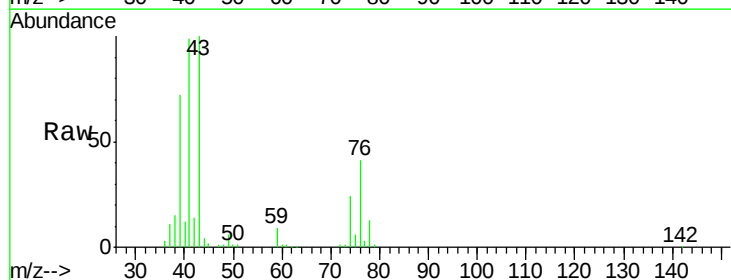
RT: 4.28 min Scan# 779

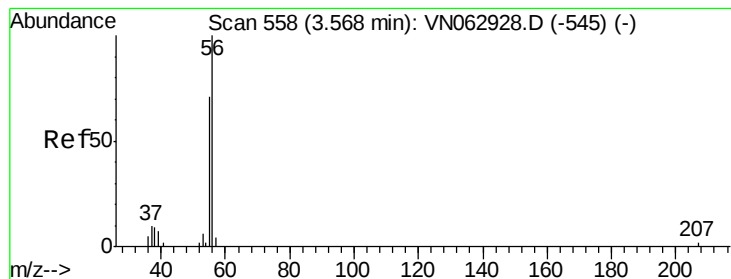
Delta R.T. -0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Tgt Ion:	43	Resp:	230324
Ion Ratio	Lower	Upper	
43	100		
74	24.2	18.1	27.1





#13

Acrolein

Concen: 407.119 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 142350

Ion Ratio Lower Upper

56 100

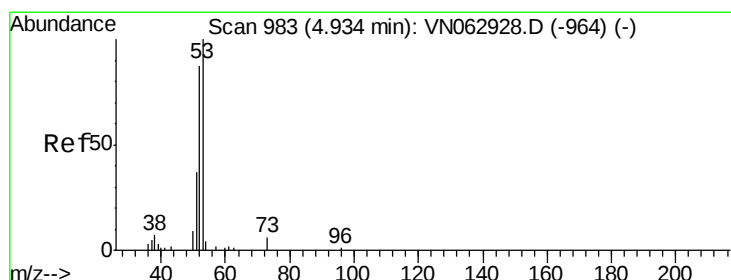
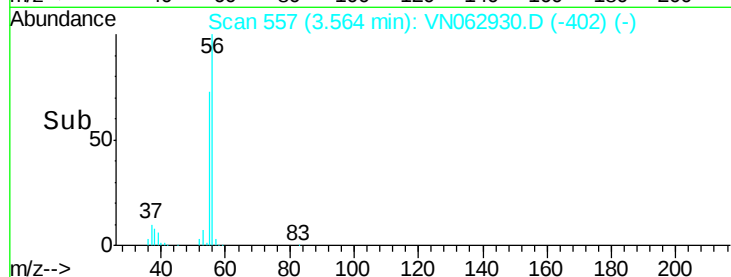
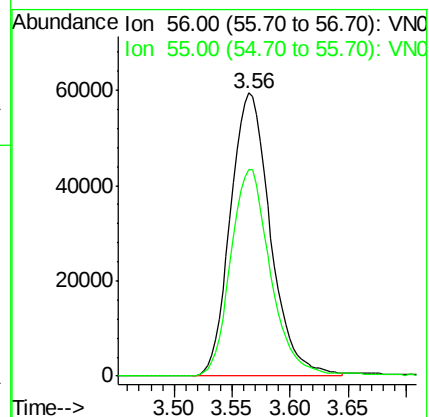
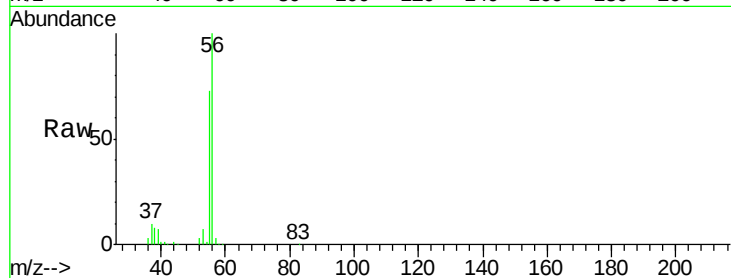
55 72.5 60.2 90.4

Manual Integrations

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8/17/2020 9:20:10 AM



#14

Acrylonitrile

Concen: 478.302 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.01 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

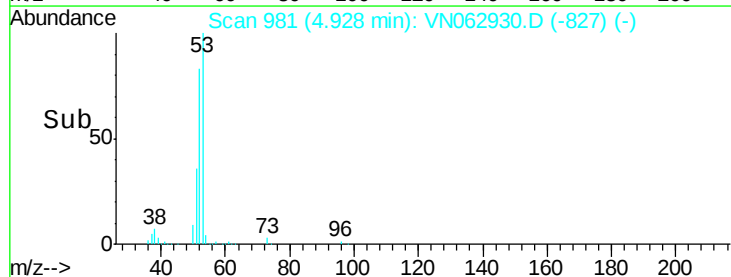
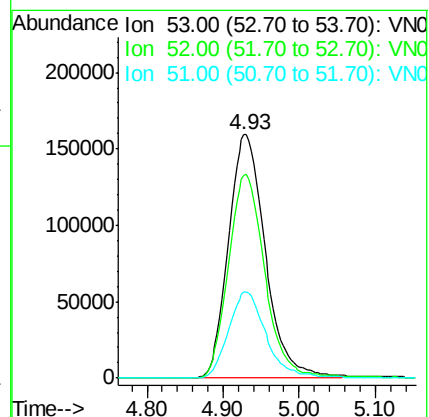
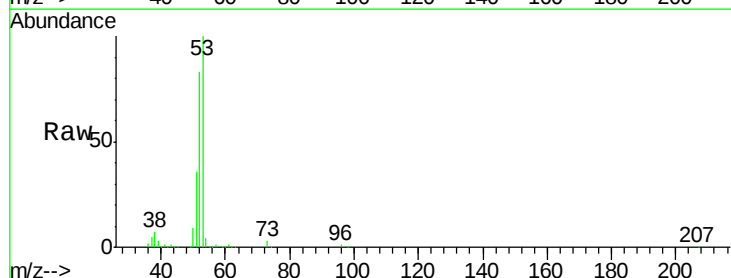
Tgt Ion: 53 Resp: 539438

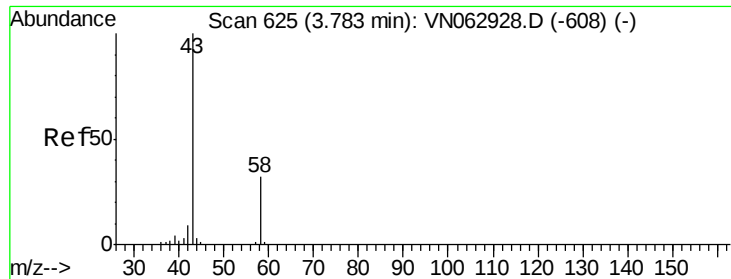
Ion Ratio Lower Upper

53 100

52 81.8 43.1 129.4

51 36.1 19.1 57.1





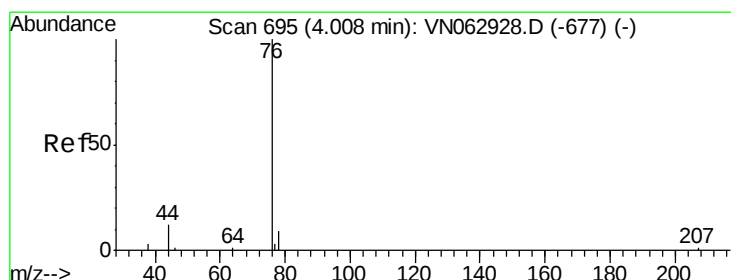
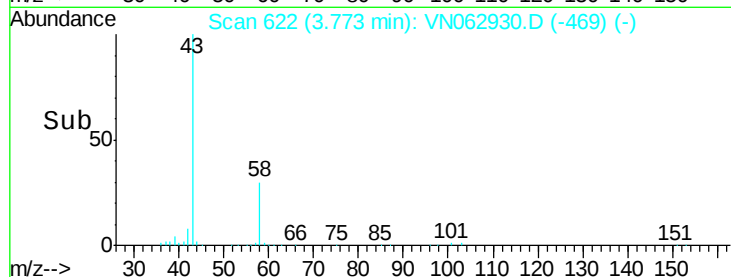
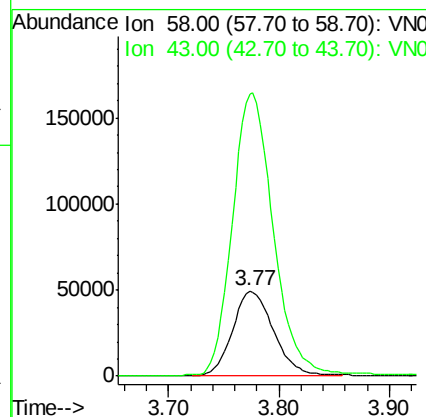
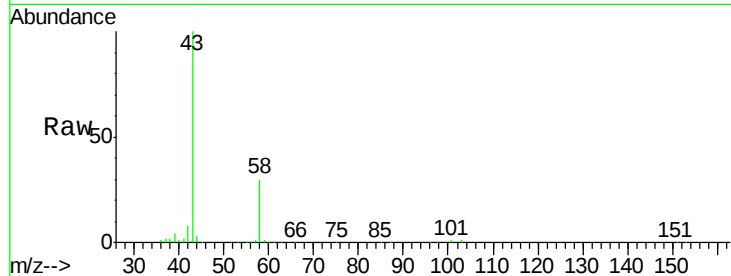
#15
Acetone
Concen: 390.023 ug/l
RT: 3.77 min Scan# 622
Delta R.T. -0.01 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 58 Resp: 128020
Ion Ratio Lower Upper
58 100
43 329.7 250.0 375.0

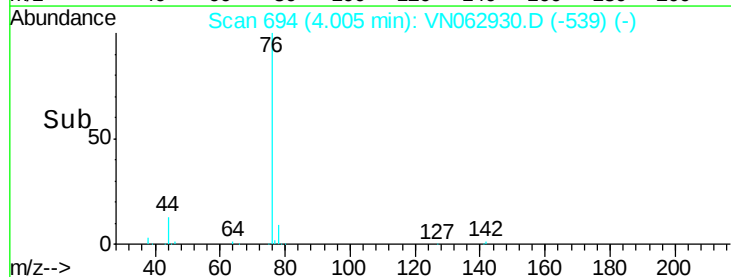
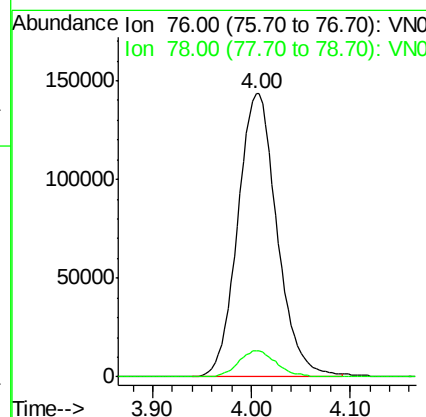
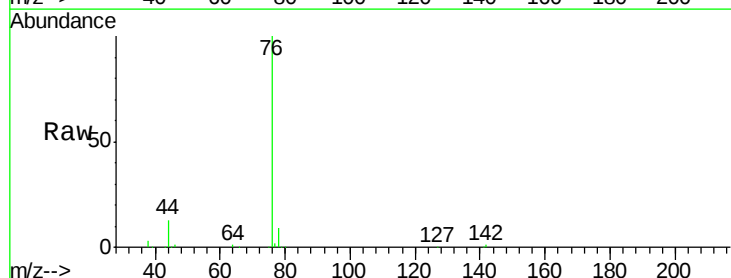
Manual Integrations
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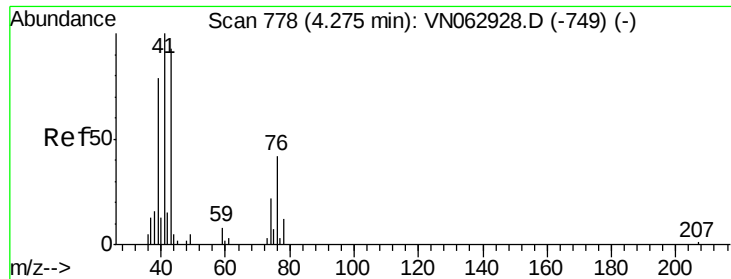
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#16
Carbon Disulfide
Concen: 69.672 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Tgt Ion: 76 Resp: 396839
Ion Ratio Lower Upper
76 100
78 9.3 7.0 10.6





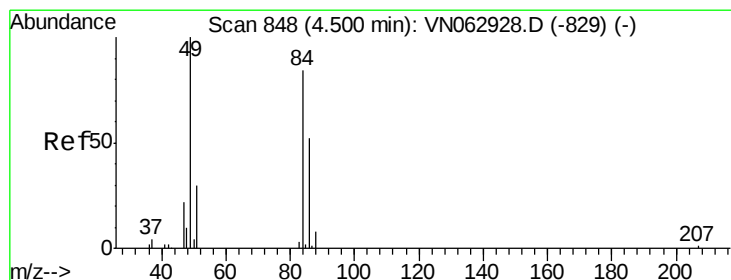
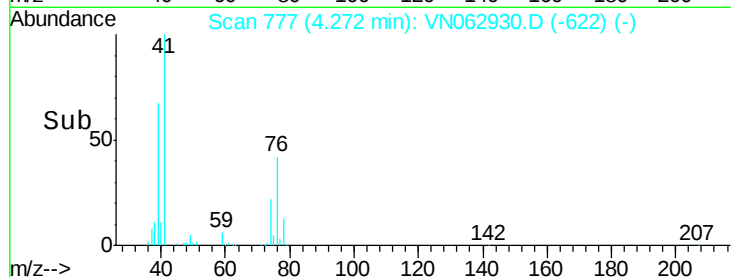
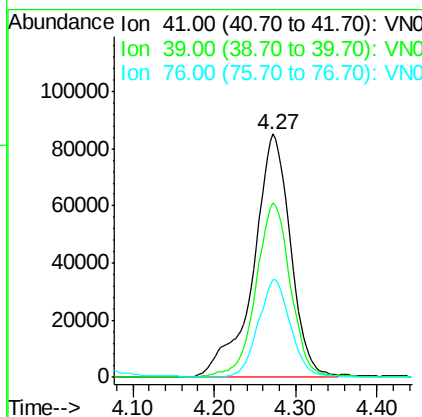
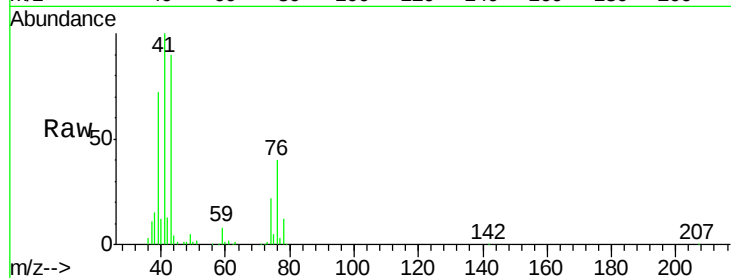
#17
Allvl chloride
Concen: 74.445 ug/l
RT: 4.27 min Scan# 777
Delta R.T. -0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.8	39.6	118.7
76	39.6	21.3	63.7

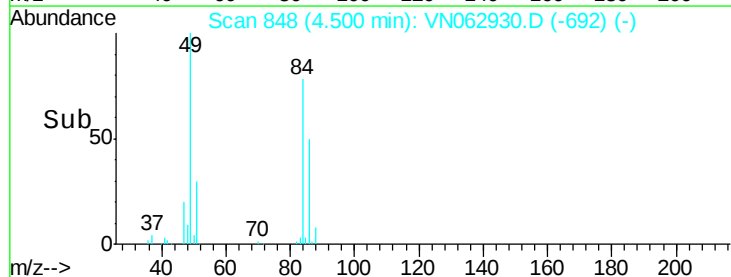
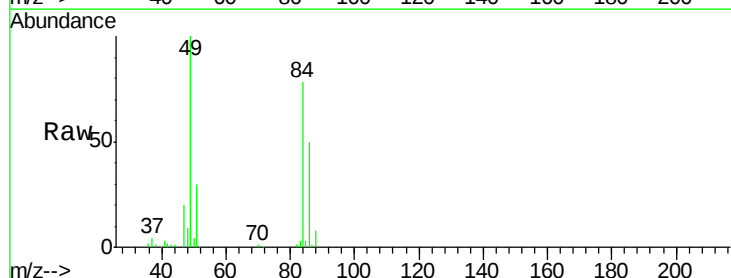
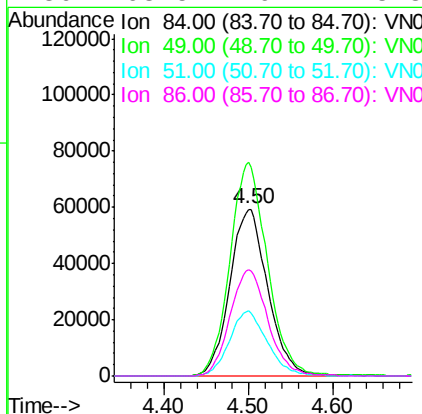
Manual Integrations
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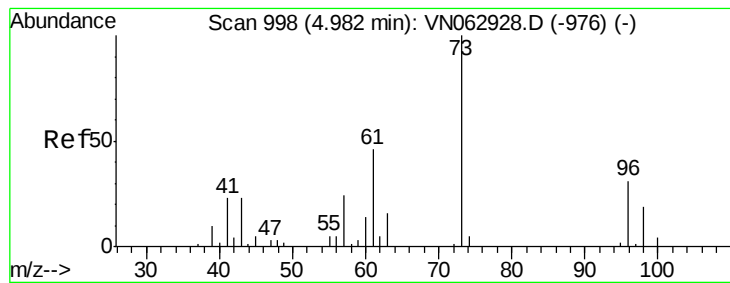
MMDadoda
8/17/2020 9:20:10 AM



#18
Methylene Chloride
Concen: 83.886 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.9	95.0	142.6
51	38.9	28.2	42.4
86	63.5	49.2	73.8





#19

trans-1,2-Dichloroethene

Concen: 80.674 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 159819

Ion Ratio Lower Upper

96 100

61 155.6 118.0 177.0

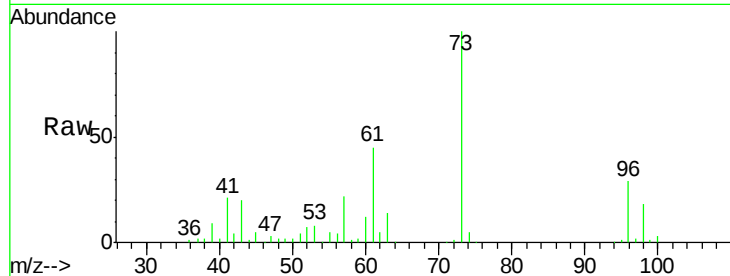
98 64.2 48.7 73.1

Manual Integrations

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MMDadoda

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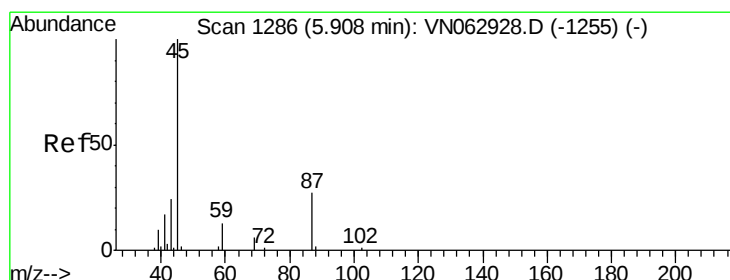
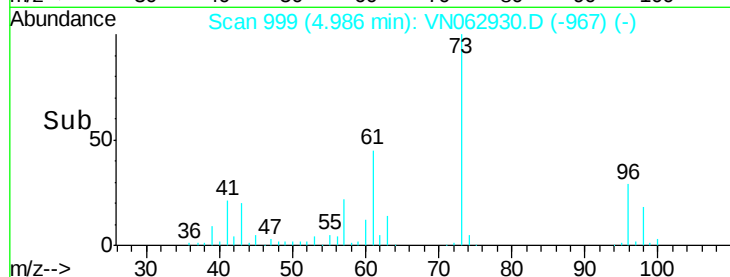
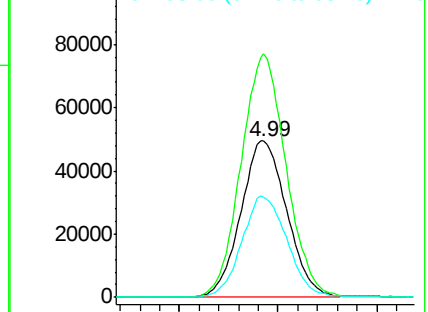


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20

Diisopropyl ether

Concen: 82.460 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Tgt Ion: 45 Resp: 638176

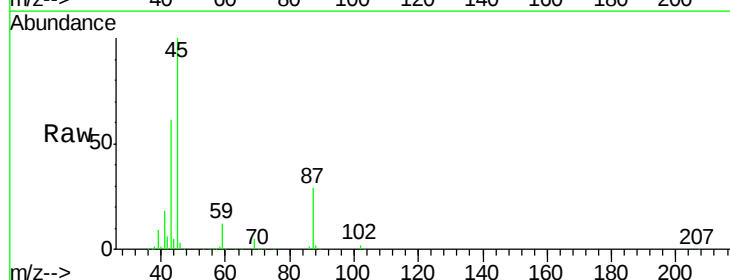
Ion Ratio Lower Upper

45 100

43 59.5 48.6 72.8

87 28.5 22.6 34.0

59 11.9 10.6 15.8



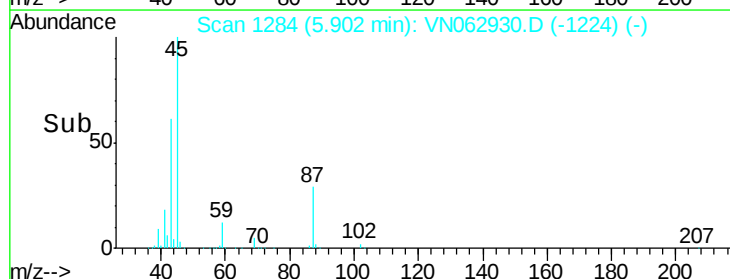
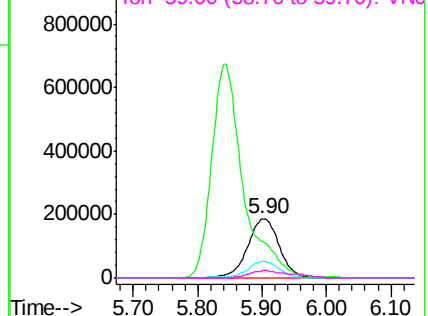
Abundance

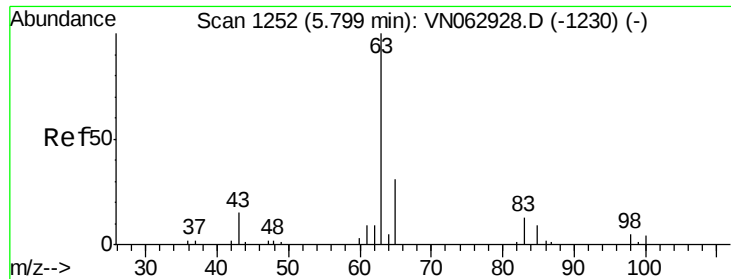
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





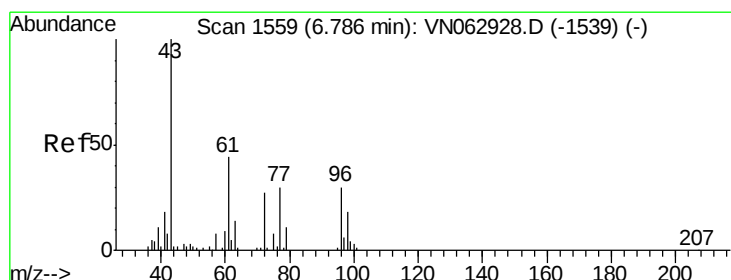
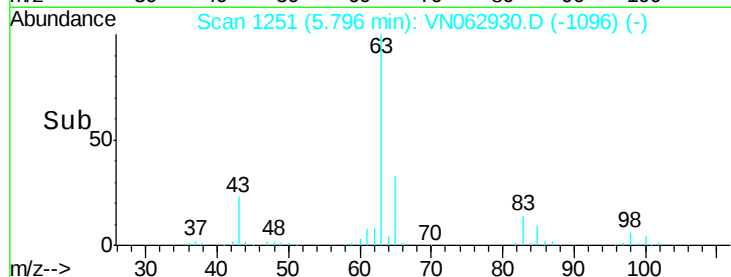
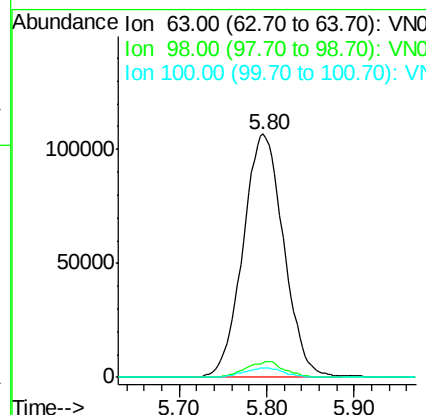
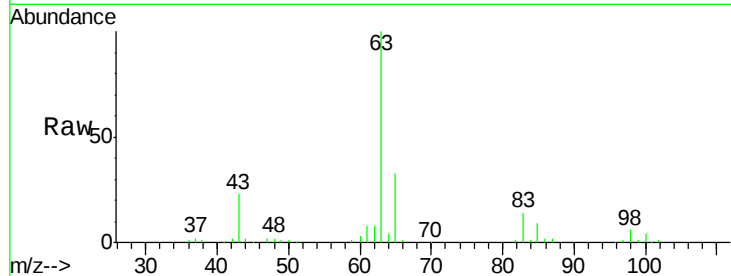
#21
 1,1-Dichloroethane
 Concen: 82.517 ug/l
 RT: 5.80 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	344497		
98	6.0		2.6	7.8
100	3.8		2.1	6.5

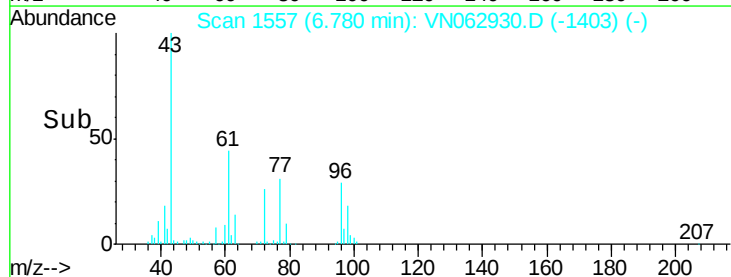
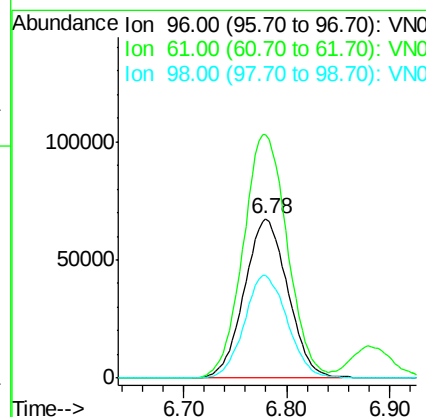
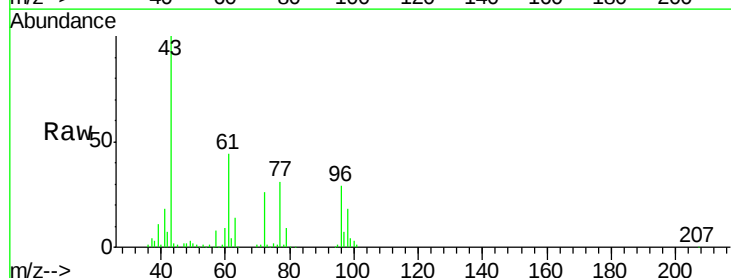
Manual Integrations
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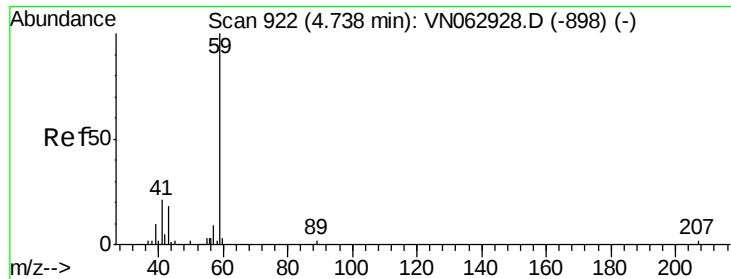
MMDadoda
 8/17/2020 9:20:10 AM



#22
 cis-1,2-Dichloroethene
 Concen: 87.213 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	197397		
61	155.4		124.9	187.3
98	63.8		27.8	41.6#





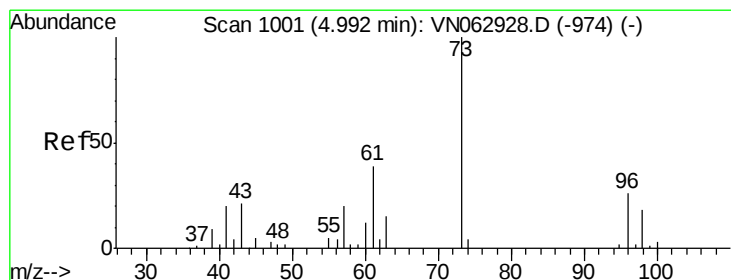
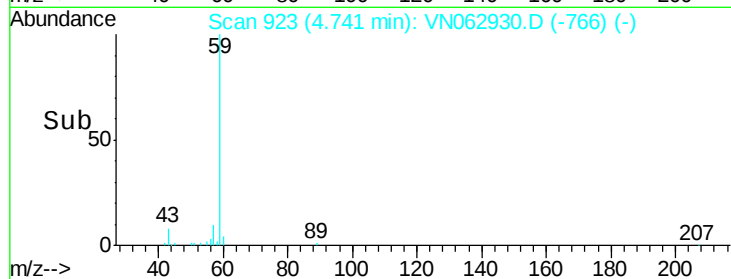
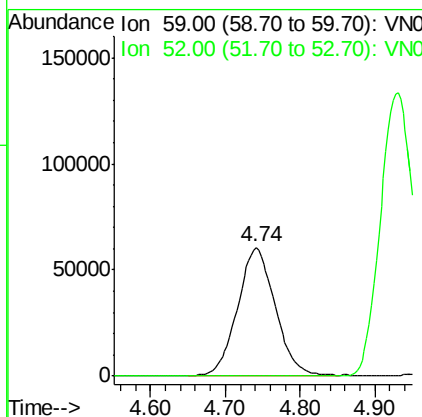
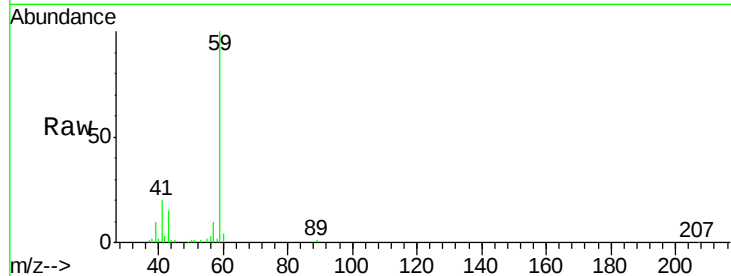
#23
 tert-Butyl Alcohol
 Concen: 539.884 ug/l
 RT: 4.74 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		213443		
52	0.1		0.0	0.0	0.0

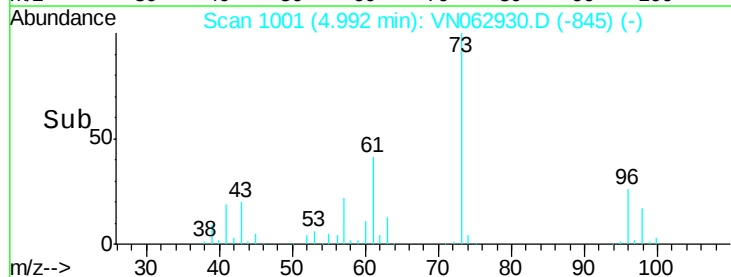
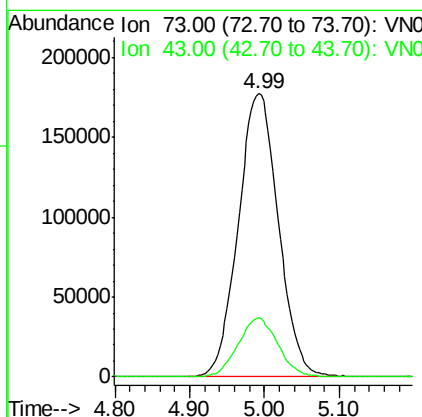
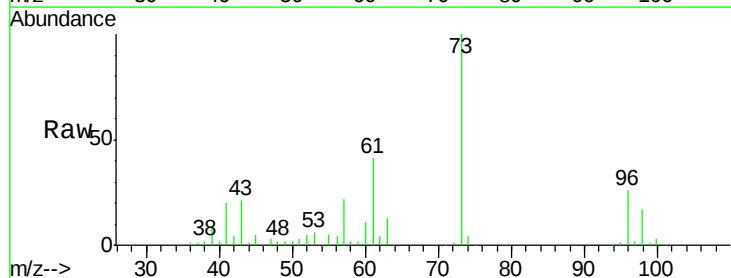
Manual Integrations
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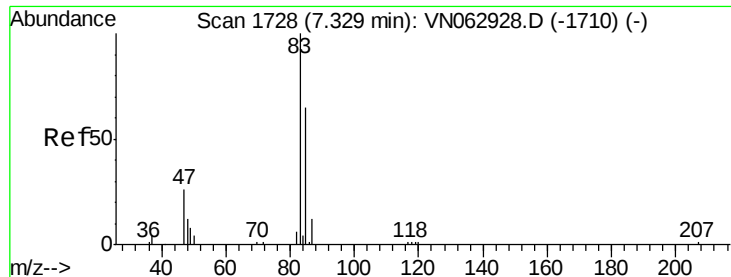
MMDadoda
 8/17/2020 9:20:10 AM



#24
 Methyl tert-Butyl Ether
 Concen: 97.318 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		662086		
43	20.4		17.3	25.9	





#25

Chloroform

Concen: 93.198 ug/l

RT: 7.33 min Scan# 1728

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 366995

Ion Ratio Lower Upper

83 100

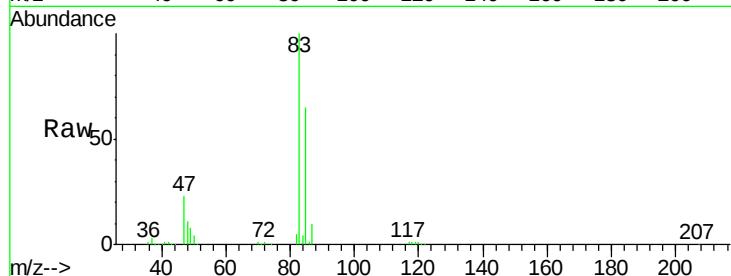
85 65.3 52.3 78.5

Manual Integrations

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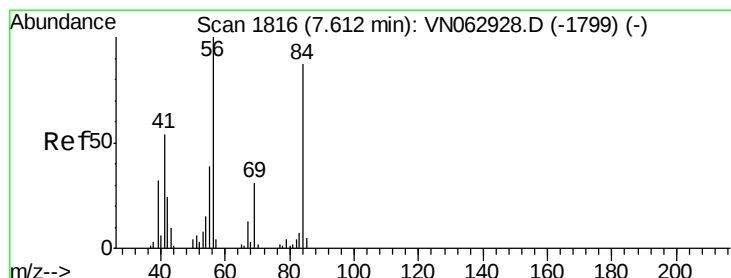
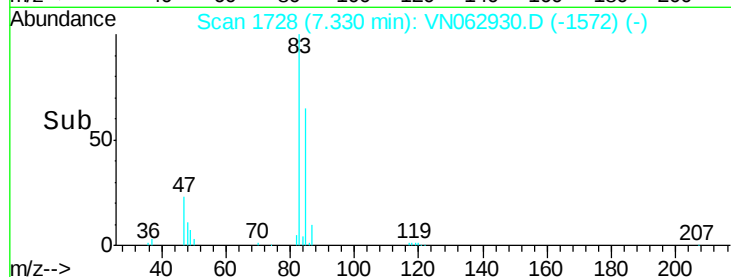
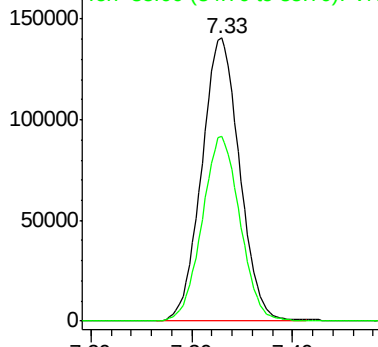
MMDadoda

8/17/2020 9:20:10 AM



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 89.217 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

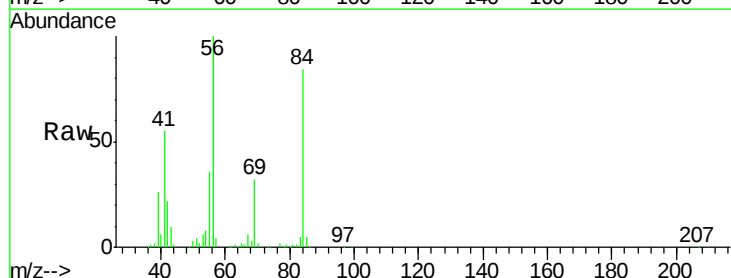
Tgt Ion: 56 Resp: 323801

Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

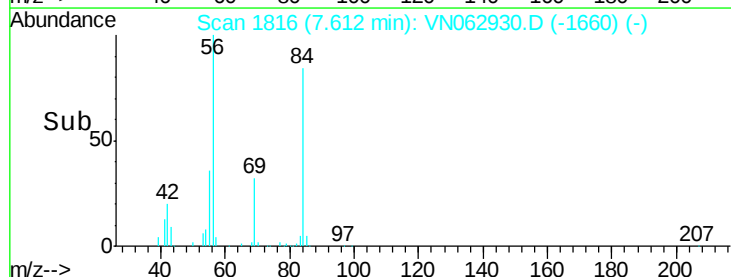
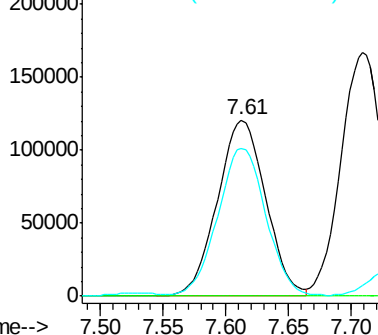
84 84.4 71.9 107.9

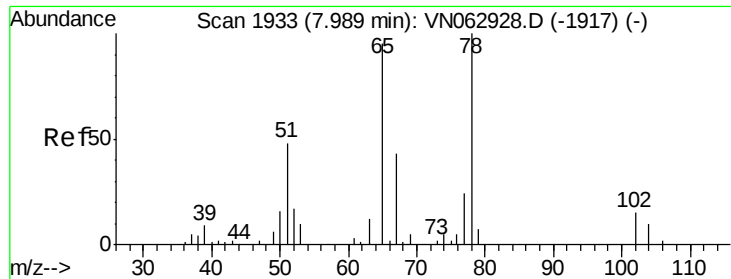


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.033 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 84852

Ion Ratio Lower Upper

65 100

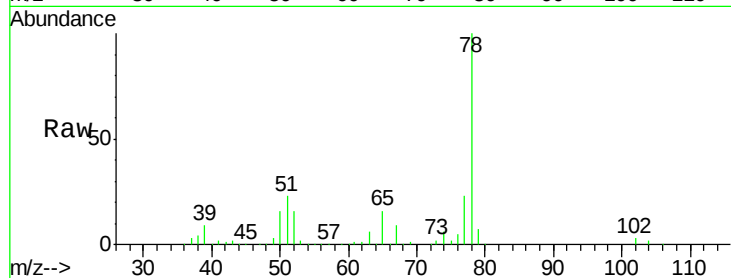
67 51.5 39.5 59.3

Manual Integrations

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8/17/2020 9:20:10 AM



Abundance Ion 65.00 (64.70 to 65.70): VN062930.D (-1777) (-)

Ion 67.00 (66.70 to 67.70): VN062930.D (-1777) (-)

7.99

40000

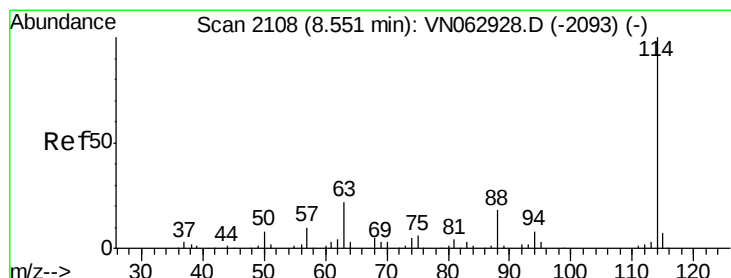
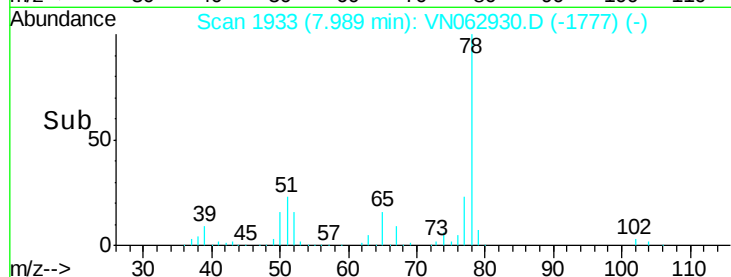
30000

20000

10000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

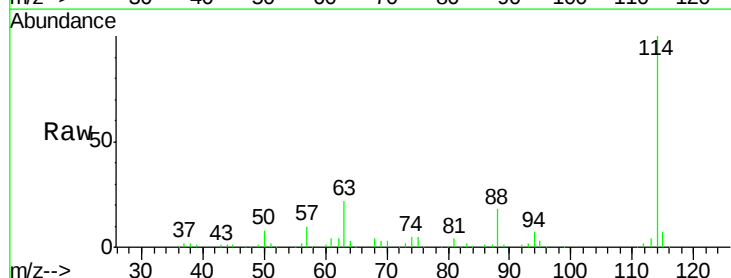
Tgt Ion: 114 Resp: 174306

Ion Ratio Lower Upper

114 100

63 22.2 17.7 26.5

88 17.0 13.9 20.9



Abundance Ion 114.00 (113.70 to 114.70): VN062930.D (-1952) (-)

Ion 63.00 (62.70 to 63.70): VN062930.D (-1952) (-)

Ion 88.00 (87.70 to 88.70): VN062930.D (-1952) (-)

8.55

100000

80000

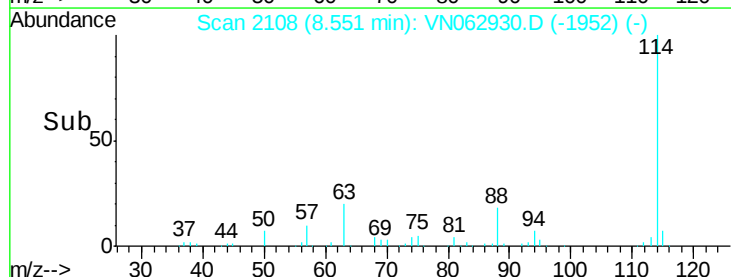
60000

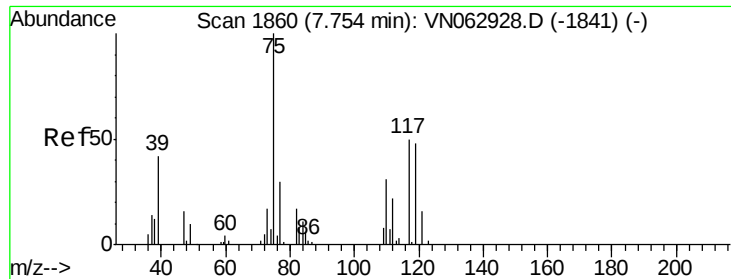
40000

20000

0

Time-->





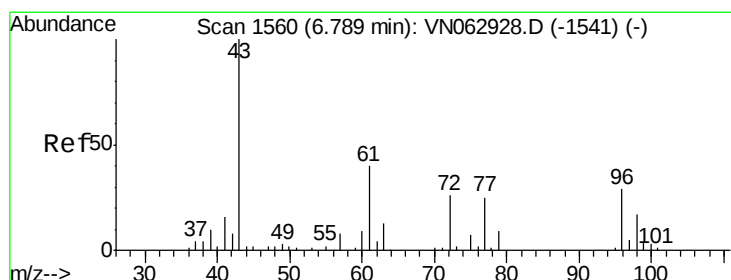
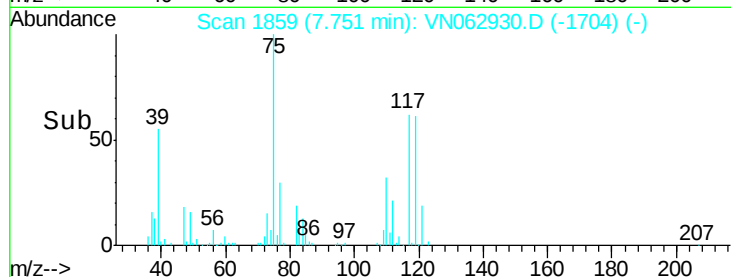
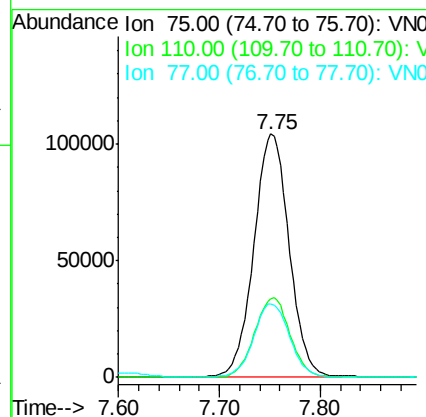
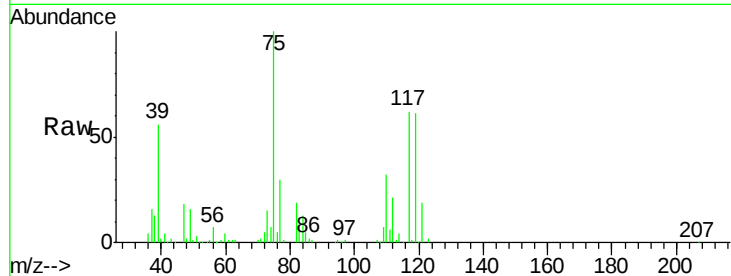
#29
 1,1-Dichloropropene
 Concen: 87.909 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	32.8	0.0	65.8
77	31.1	0.0	59.8

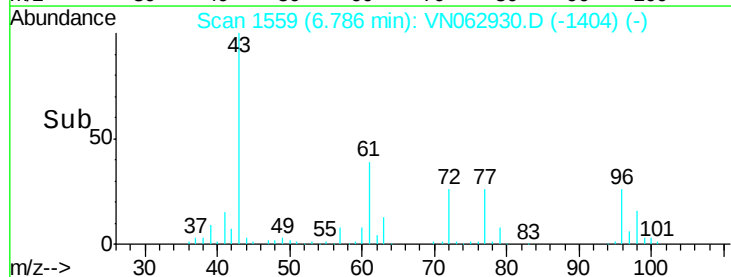
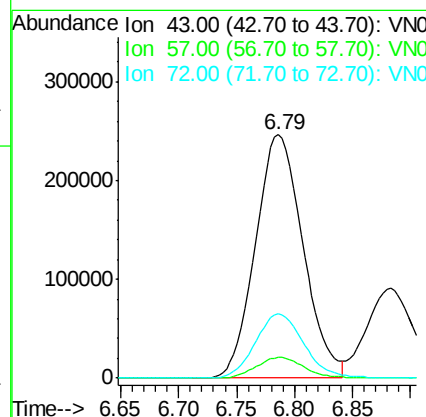
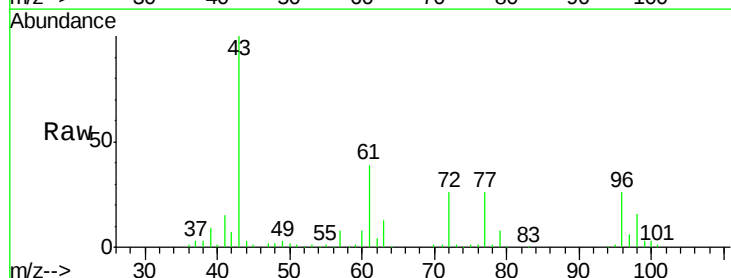
Manual Integrations
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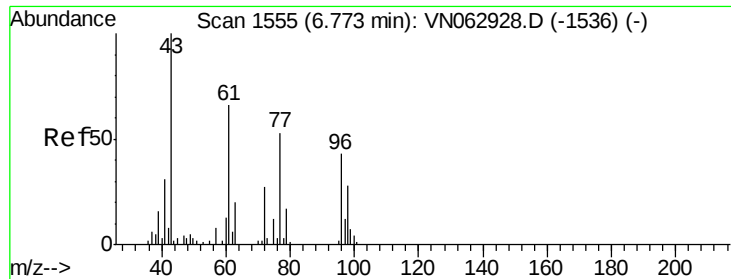
MMDadoda
 8/17/2020 9:20:10 AM



#30
 2-Butanone
 Concen: 471.264 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.5	7.0	10.6
72	26.8	22.0	33.0





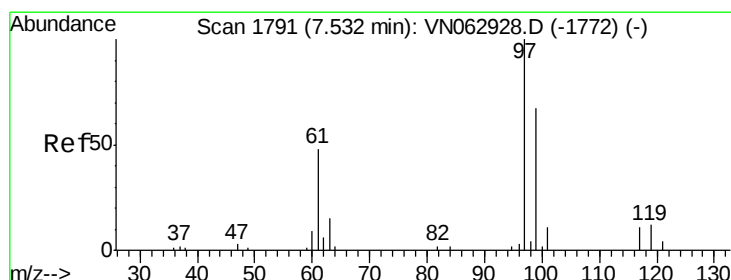
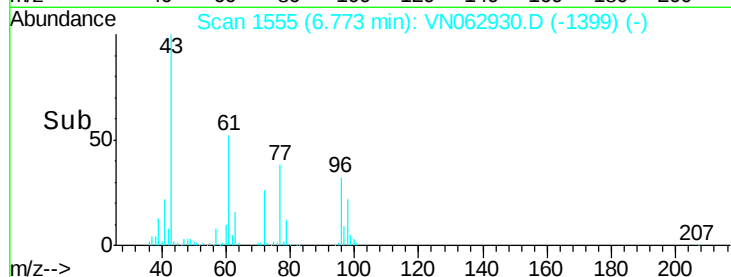
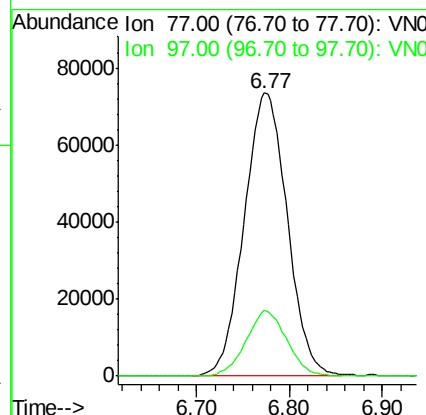
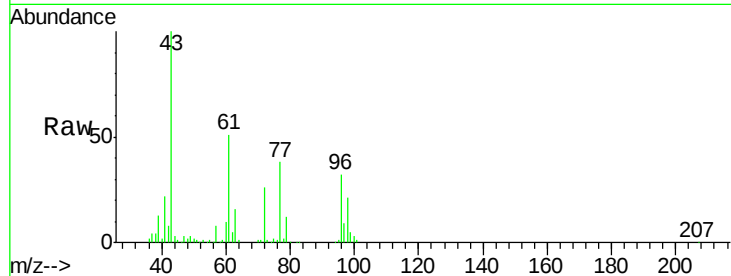
#31
 2,2-Dichloropropane
 Concen: 74.797 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. 0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.8	16.1	24.1

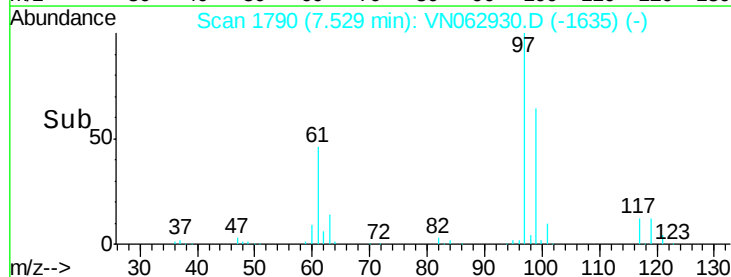
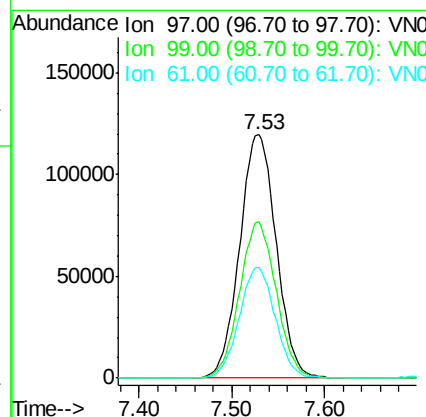
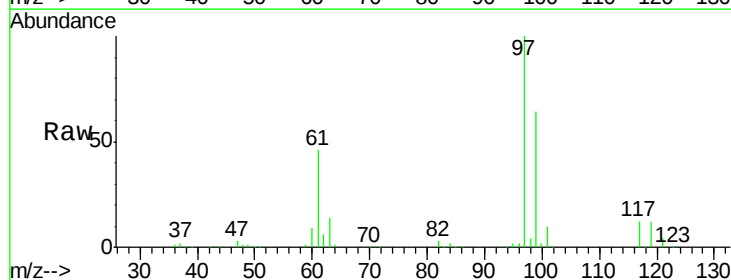
Manual Integrations
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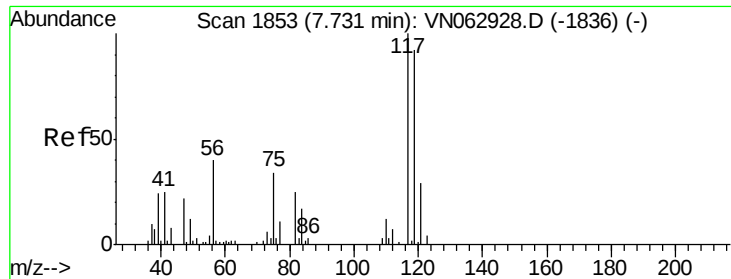
MMDadoda
 8/17/2020 9:20:10 AM



#32
 1,1,1-Trichloroethane
 Concen: 101.017 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	53.8	80.8
61	44.7	36.3	54.5





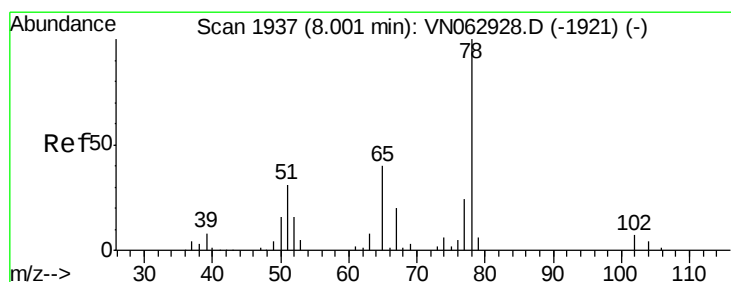
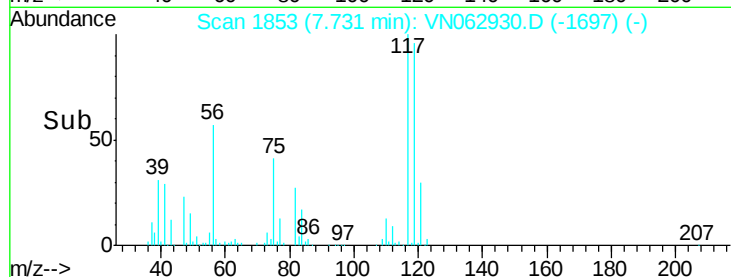
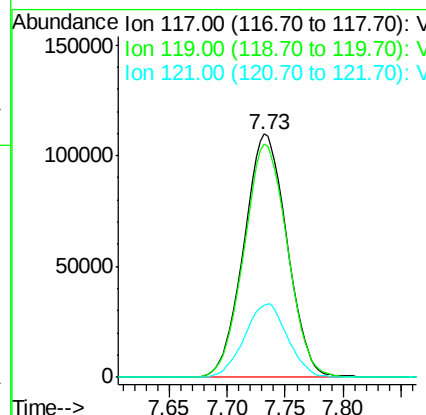
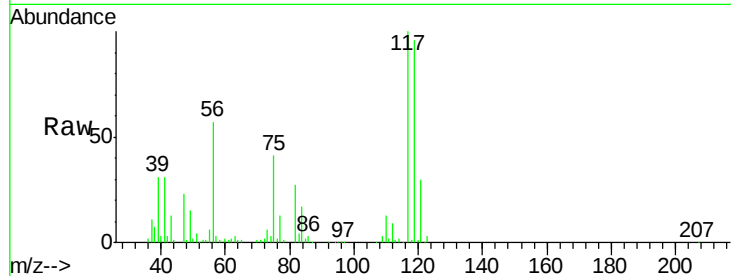
#33
Carbon Tetrachloride
Concen: 100.486 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.0	73.9	110.9
121	29.6	23.2	34.8

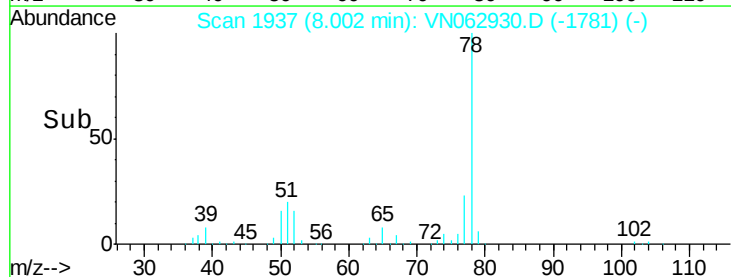
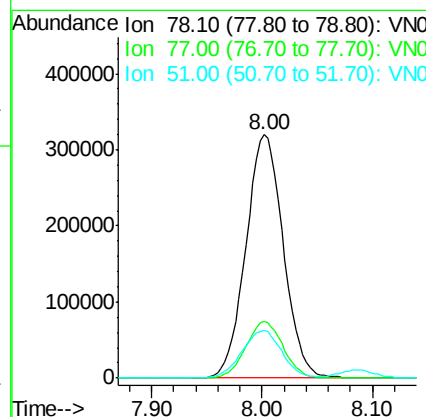
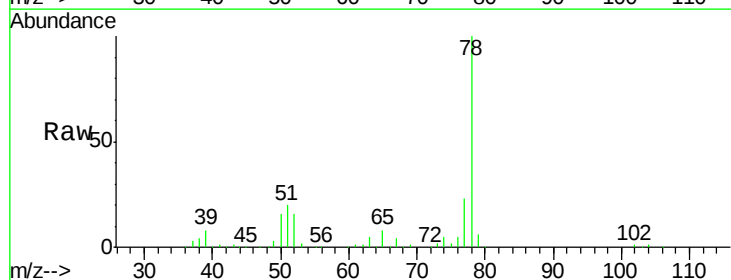
Manual Integrations
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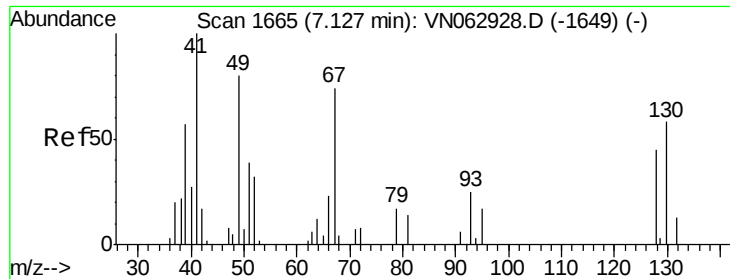
MMDadoda
8/17/2020 9:20:10 AM



#34
Benzene
Concen: 88.027 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.3	28.9
51	19.5	24.9	37.3#





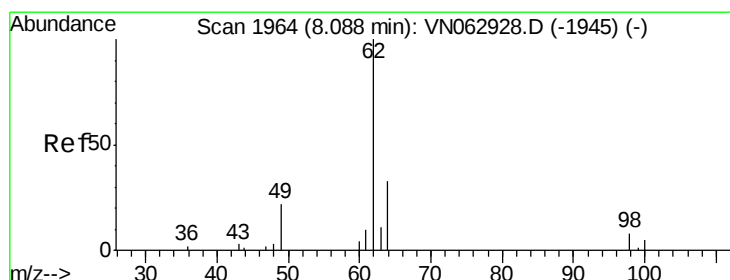
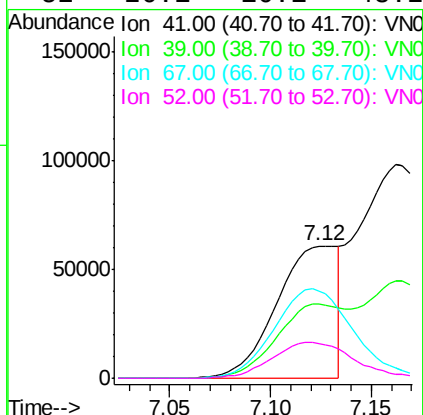
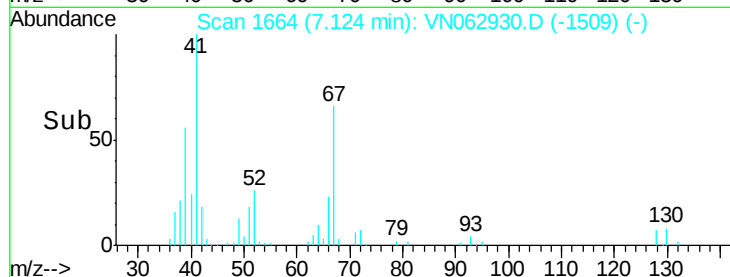
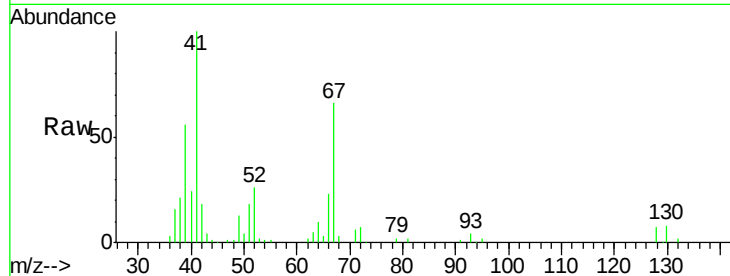
#35
Methacrylonitrile
Concen: 98.506 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.6	28.7	86.3
67	66.1	36.8	110.3
52	26.1	16.1	48.2

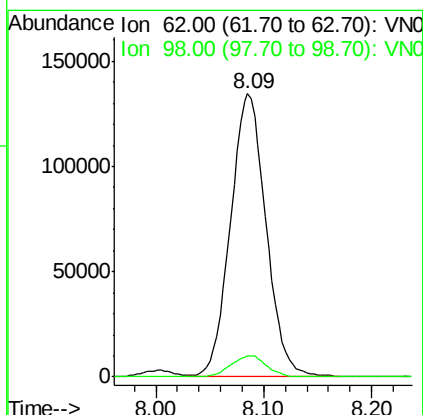
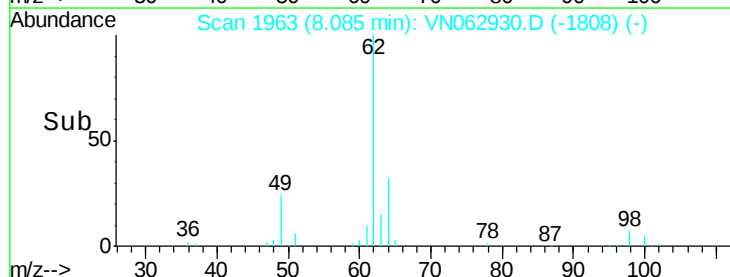
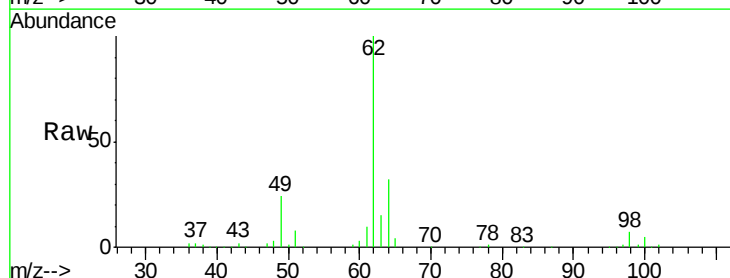
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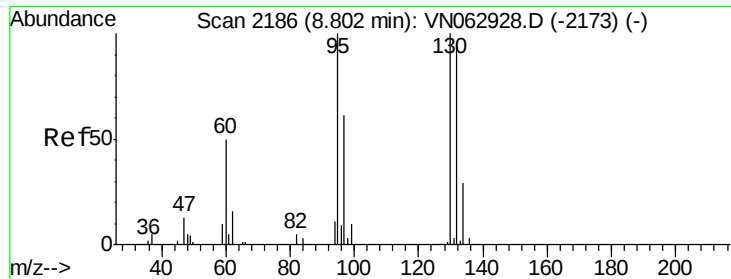
MMDadoda
8/17/2020 9:20:10 AM



#36
1,2-Dichloroethane
Concen: 95.877 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.1	9.1





#37

Trichloroethene

Concen: 93.821 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:130 Resp: 183856

Ion Ratio Lower Upper

130 100

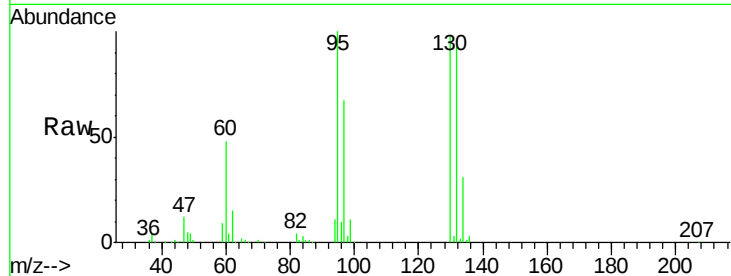
95 102.2 80.1 120.1

Manual Integrations

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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

100000

80000

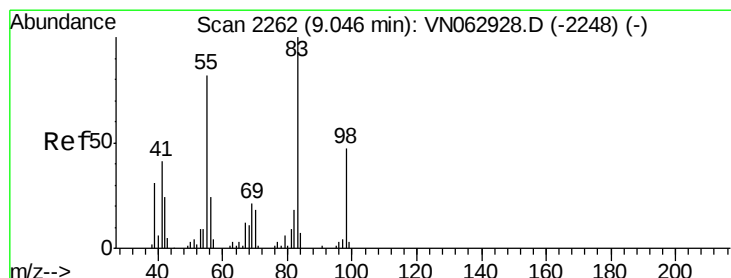
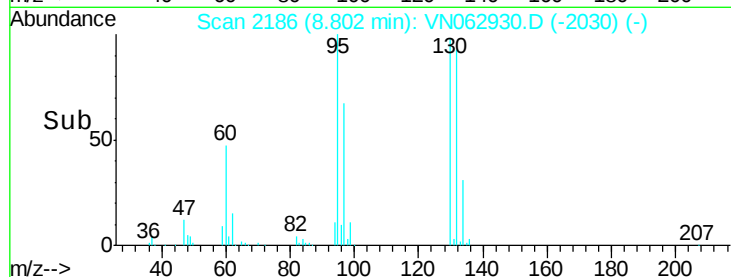
60000

40000

20000

0

Time--> 8.70 8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 98.902 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

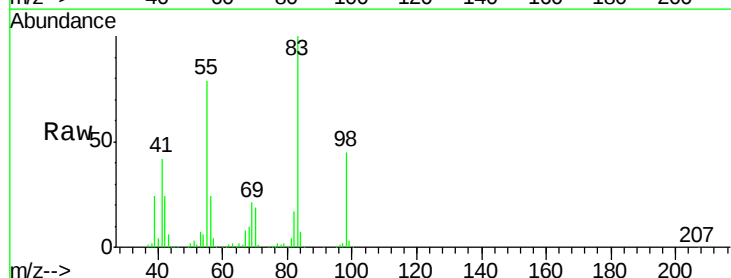
Tgt Ion: 83 Resp: 322499

Ion Ratio Lower Upper

83 100

55 80.4 40.8 122.5

98 45.2 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

200000

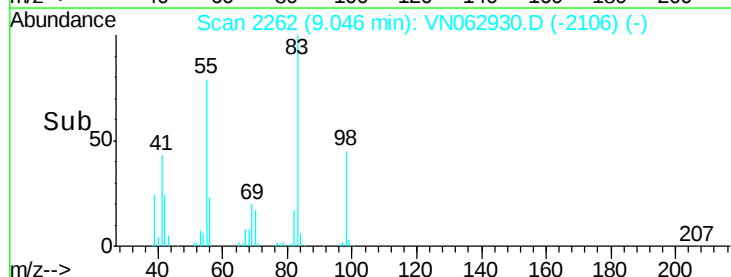
150000

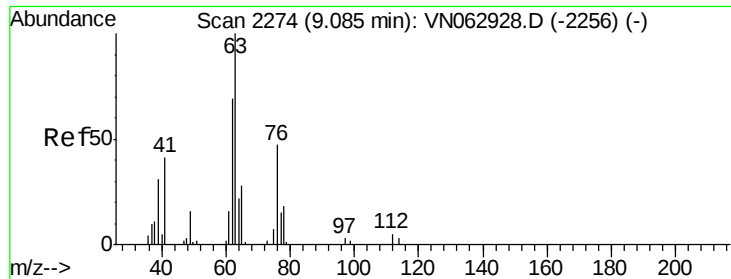
100000

50000

0

Time--> 8.95 9.00 9.05 9.10





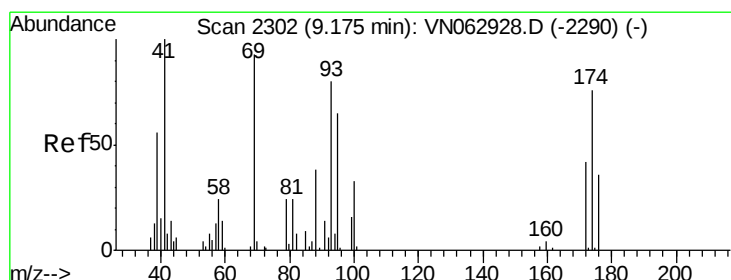
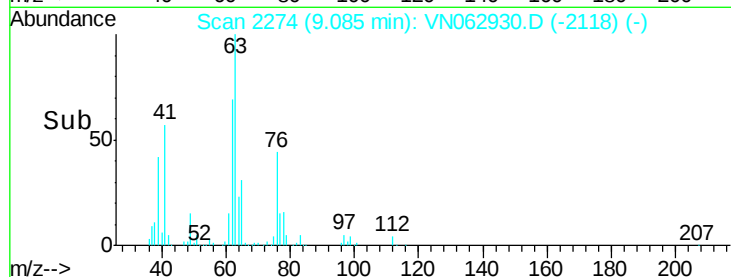
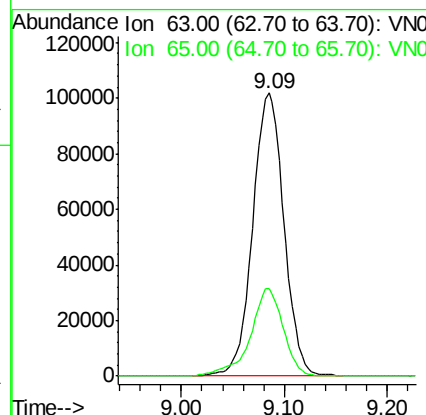
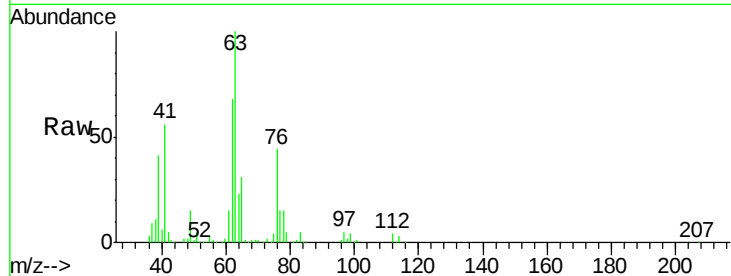
#39
 1,2-Dichloropropane
 Concen: 88.433 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	213570		
65	30.9		23.8	35.6

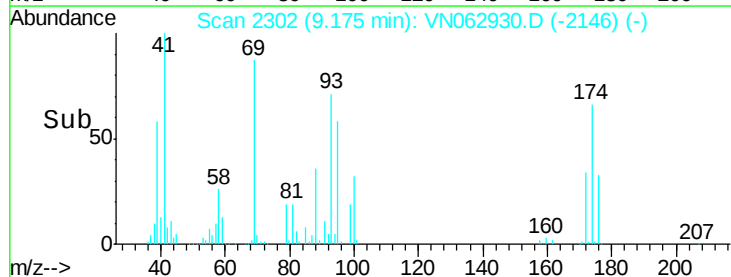
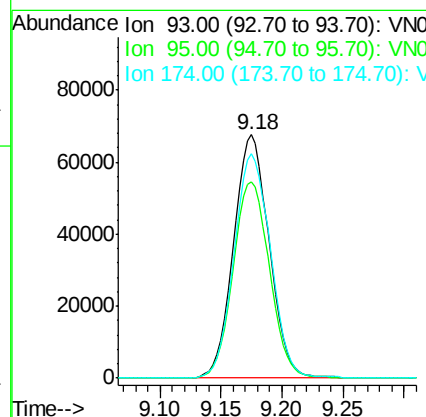
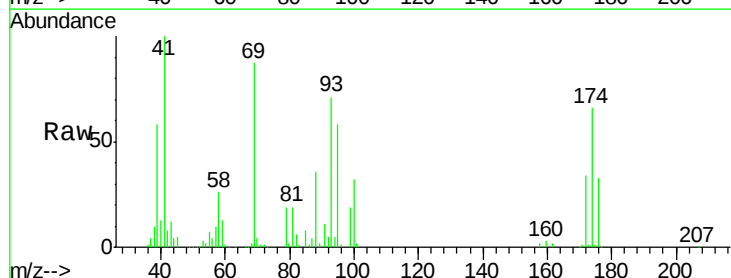
Manual Integrations
 APPROVED

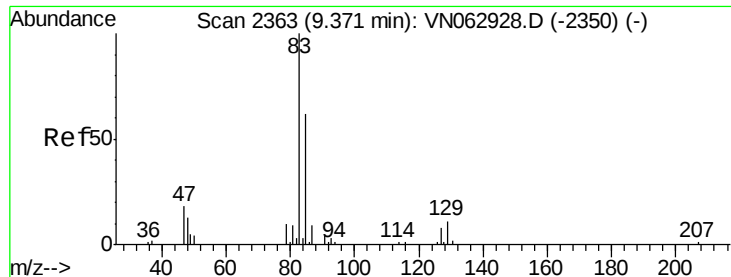
MMDadoda
 8/17/2020 9:20:10 AM



#40
 Dibromomethane
 Concen: 95.416 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	137191		
95	82.7		0.0	161.8
174	94.3		0.0	190.0





#41

Bromodichloromethane

Concen: 99.161 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

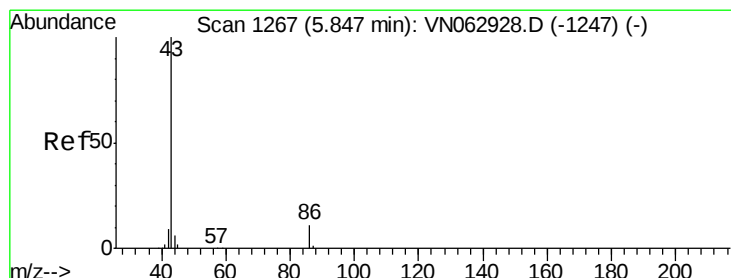
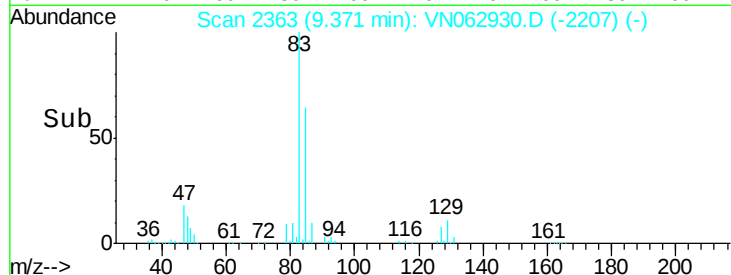
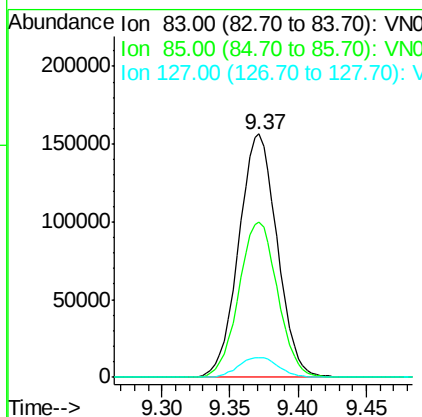
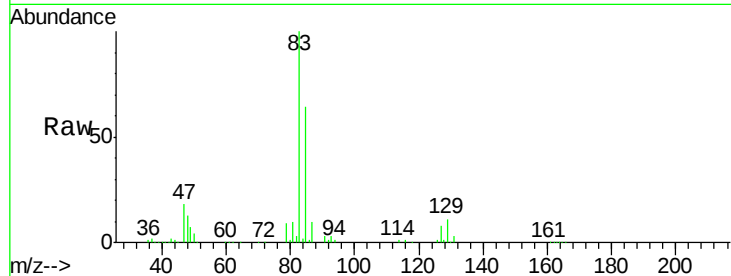
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	306251
Ion Ratio	Lower	Upper	
83	100		
85	63.8	49.9	74.9
127	8.3	7.1	10.7

Manual Integrations
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MMDadoda
8/17/2020 9:20:10 AM



#42

Vinyl Acetate

Concen: 382.372 ug/l

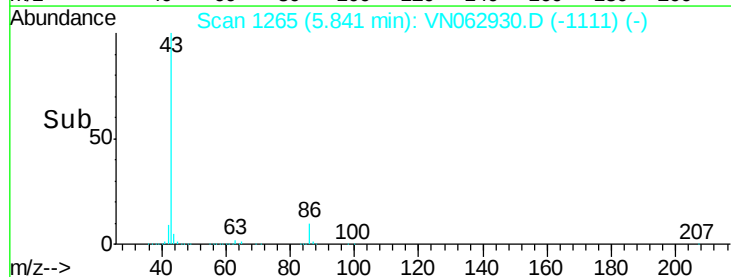
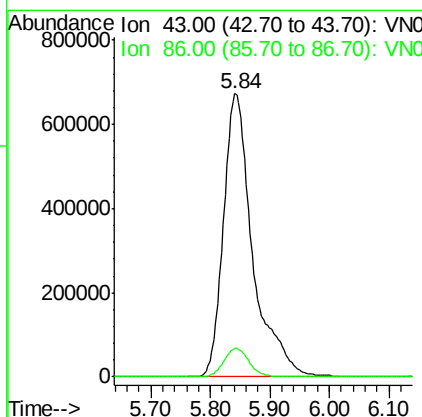
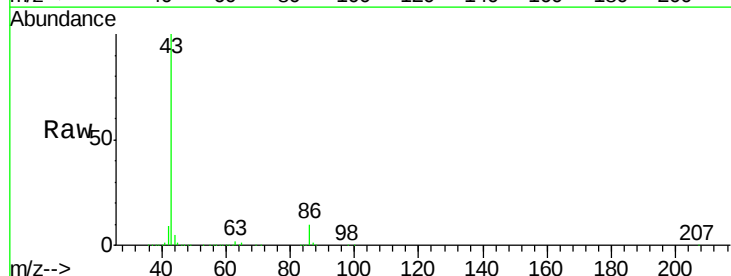
RT: 5.84 min Scan# 1265

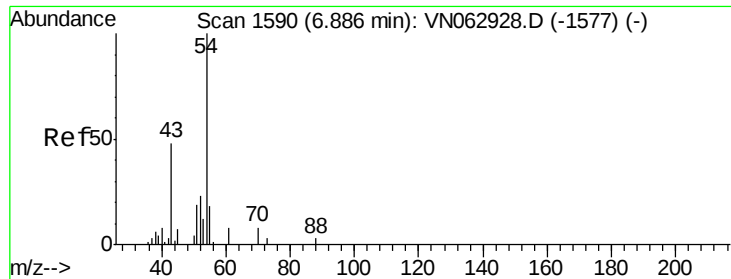
Delta R.T. -0.01 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Tgt Ion:	43	Resp:	2304369
Ion Ratio	Lower	Upper	
43	100		
86	8.7	7.1	10.7





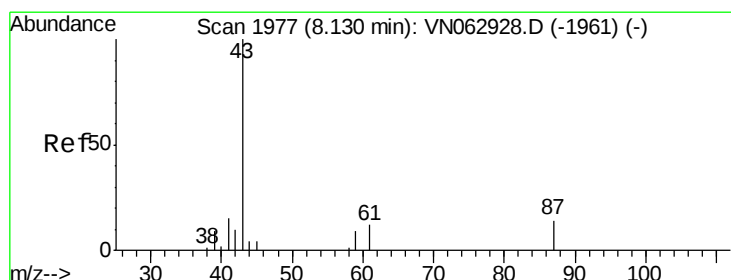
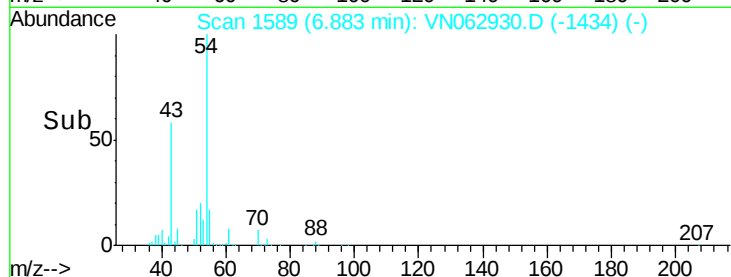
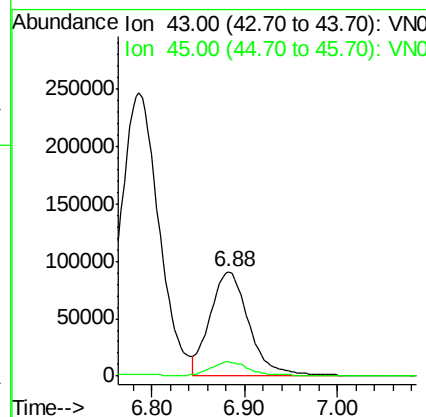
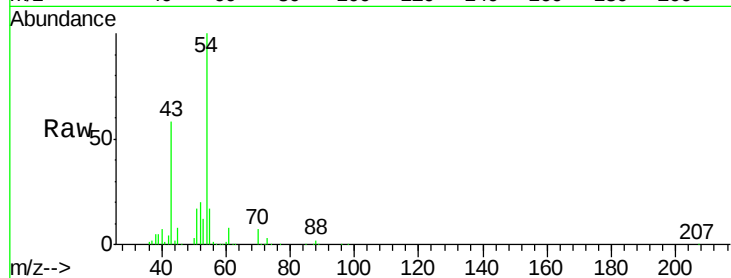
#43
Ethyl Acetate
Concen: 86.278 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. -0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 260318
Ion Ratio Lower Upper
43 100
45 13.1 6.6 9.8#

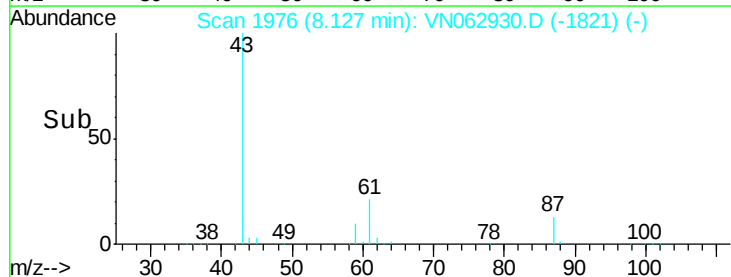
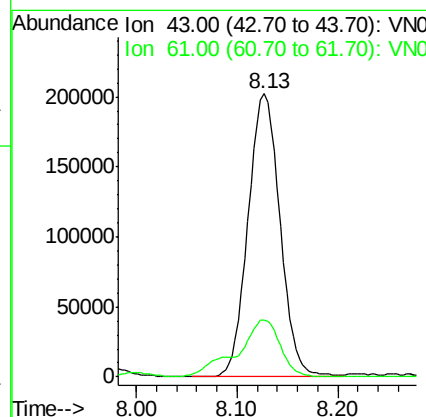
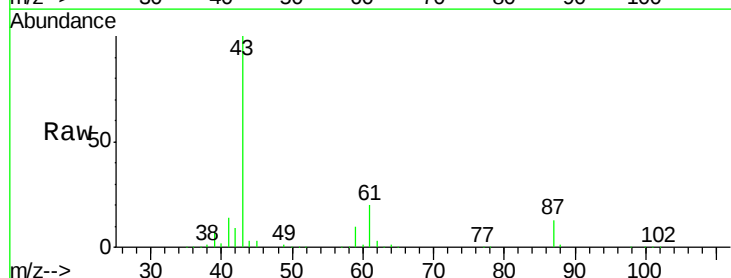
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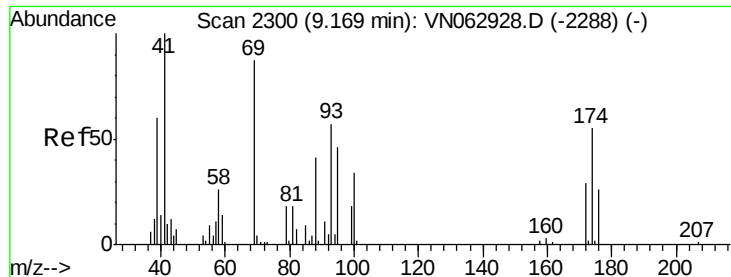
MMDadoda
8/17/2020 9:20:10 AM



#44
Isopropyl Acetate
Concen: 87.984 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Tgt Ion: 43 Resp: 443043
Ion Ratio Lower Upper
43 100
61 21.1 17.2 25.8





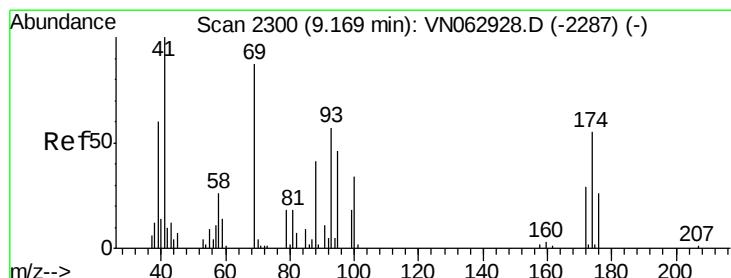
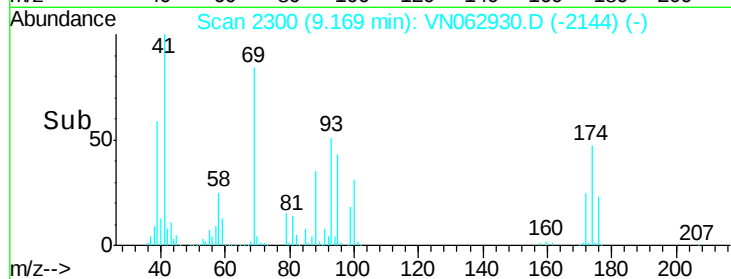
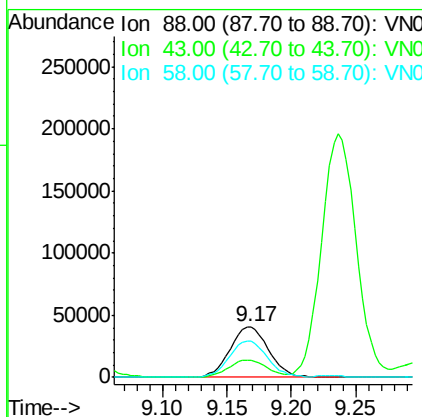
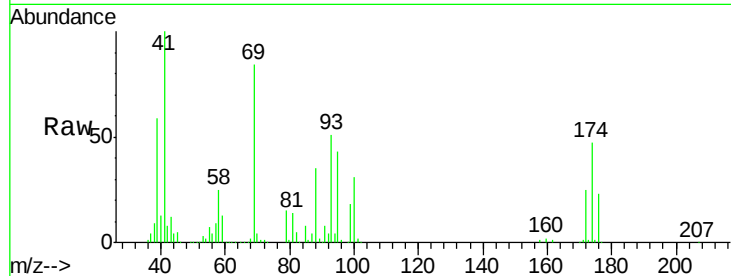
#45
 1,4-Dioxane
 Concen: 2313.405 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. 0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	26.0	39.0
58	71.1	54.2	81.2

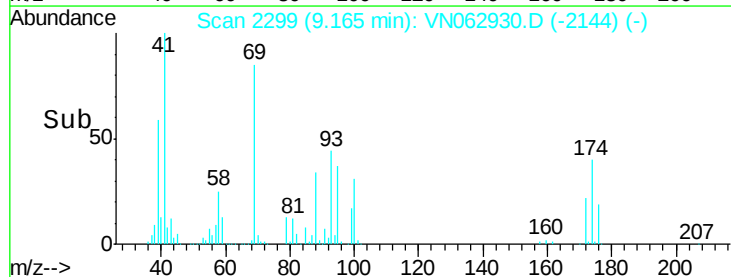
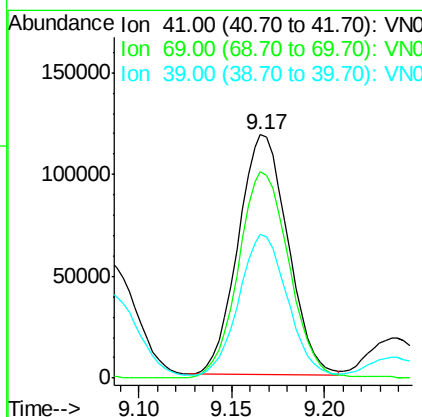
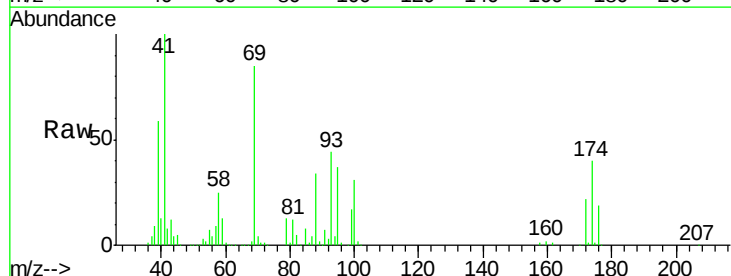
Manual Integrations
 APPROVED

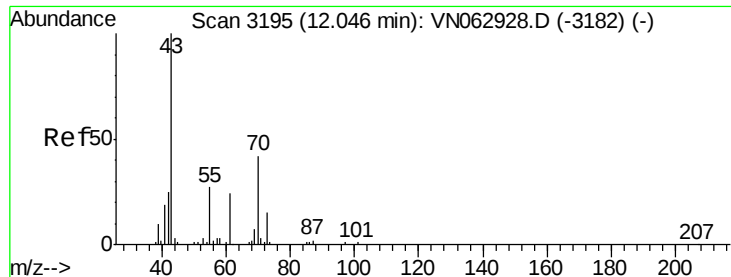
MMDadoda
 8/17/2020 9:20:10 AM



#46
 Methyl methacrylate
 Concen: 91.468 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.5	43.6	130.9
39	58.5	29.9	89.8





#47

n-amvl Acetate

Concen: 97.341 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 418998

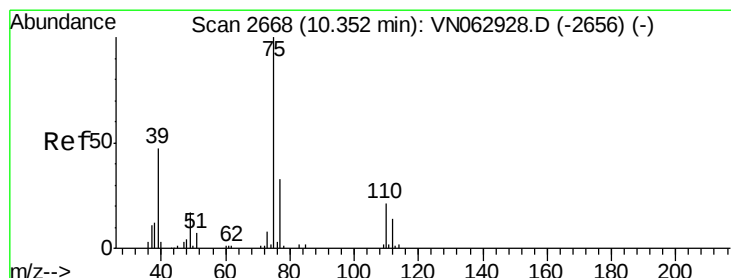
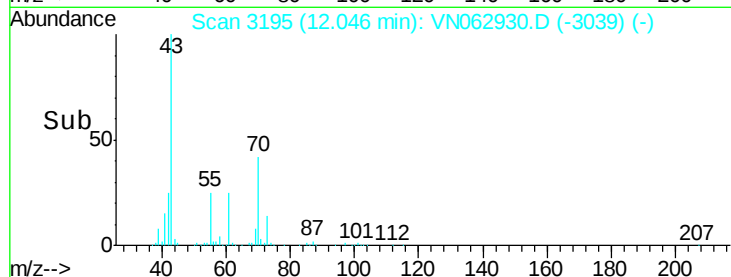
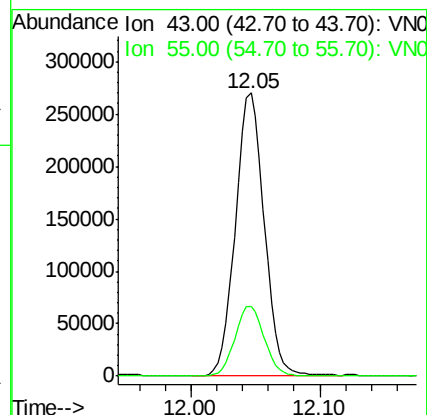
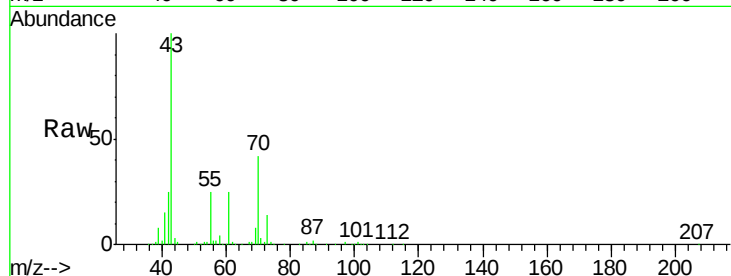
Ion Ratio Lower Upper

43 100

55 25.2 20.8 31.2

Manual Integrations
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#48

t-1,3-Dichloropropene

Concen: 93.981 ug/l

RT: 10.35 min Scan# 2668

Delta R.T. 0.00 min

Lab File: VN062930.D

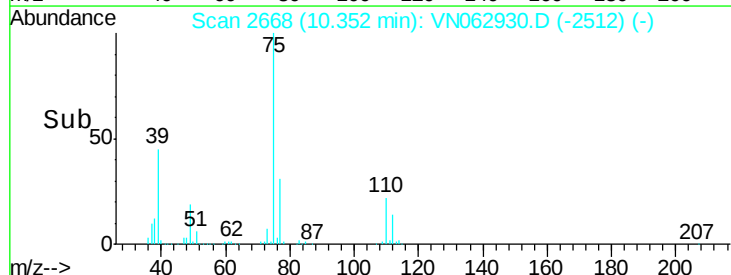
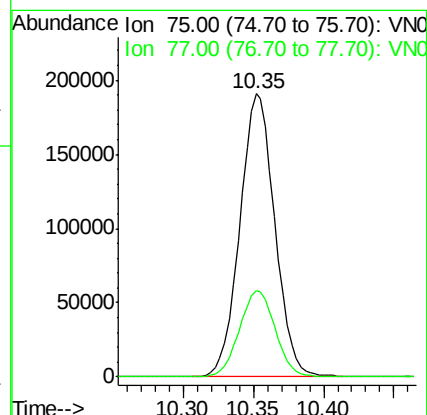
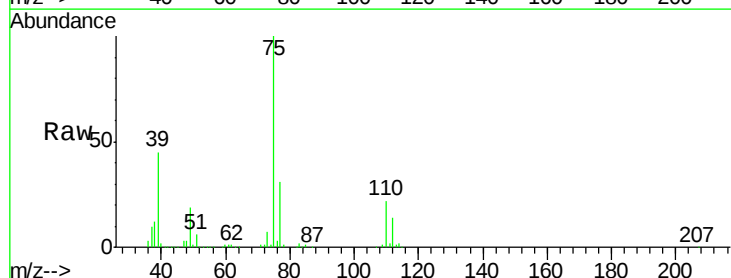
Acq: 13 Aug 2020 23:45

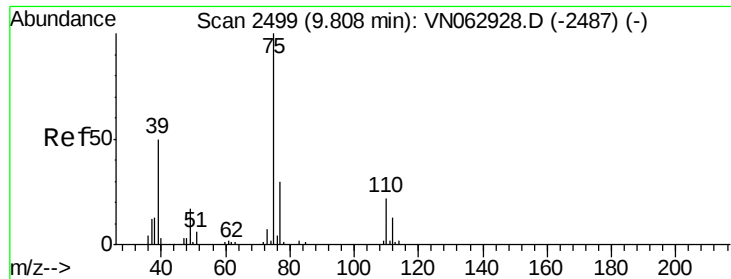
Tgt Ion: 75 Resp: 331014

Ion Ratio Lower Upper

75 100

77 30.5 26.2 39.2





#49

cis-1,3-Dichloropropene

Concen: 90.743 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

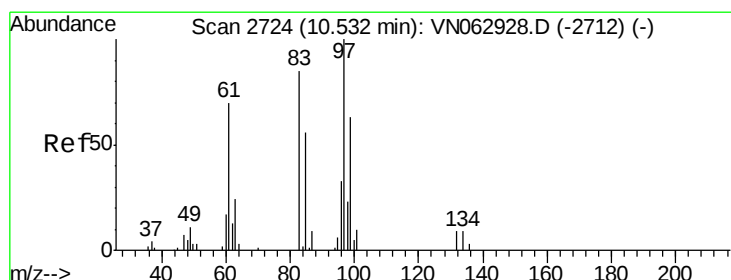
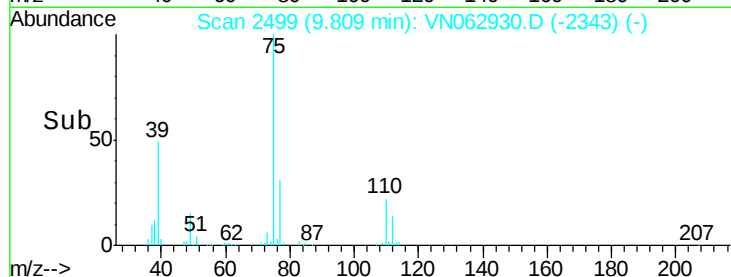
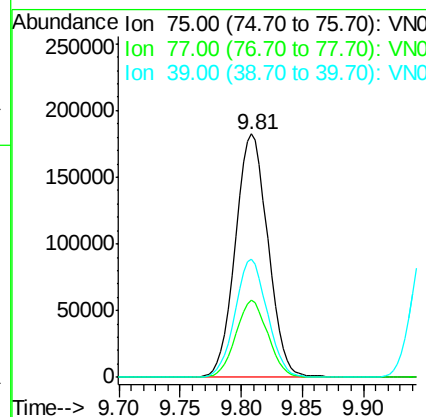
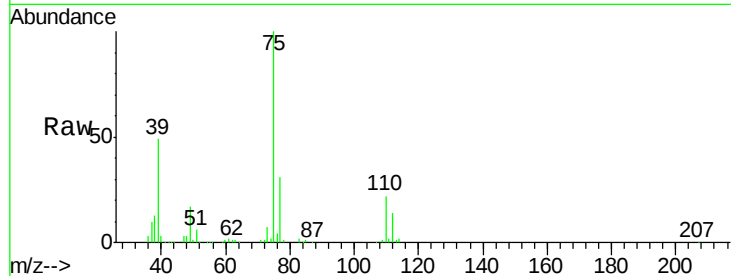
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	339201
Ion Ratio	Lower	Upper	
75	100		
77	31.5	24.4	36.6
39	48.7	40.2	60.4

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 99.952 ug/l

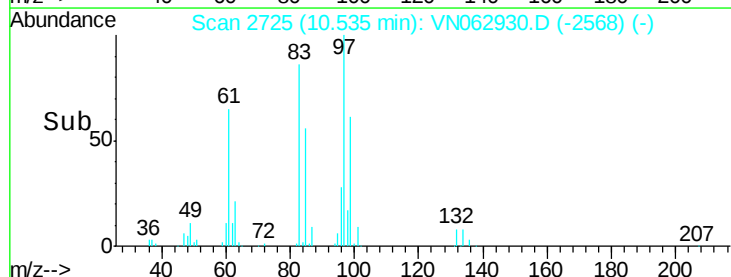
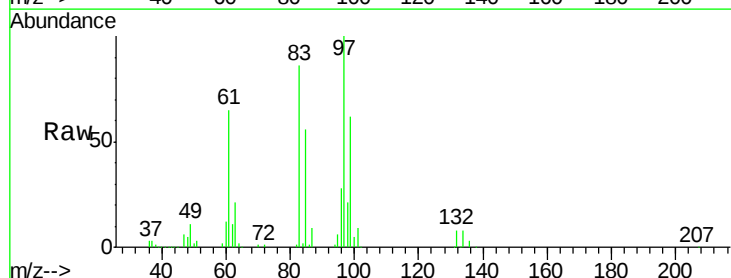
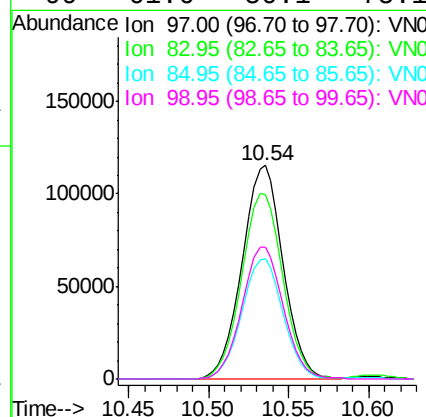
RT: 10.54 min Scan# 2725

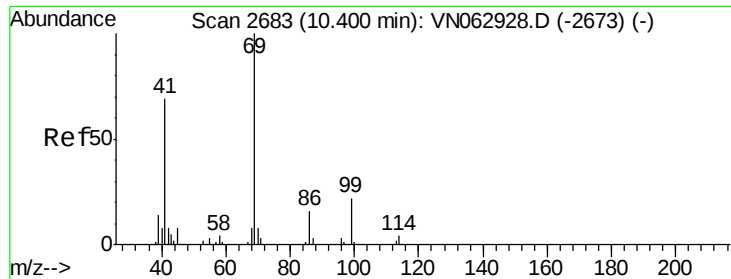
Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Tgt Ion:	97	Resp:	202135
Ion Ratio	Lower	Upper	
97	100		
83	86.3	67.8	101.6
85	56.2	44.5	66.7
99	61.6	50.1	75.1





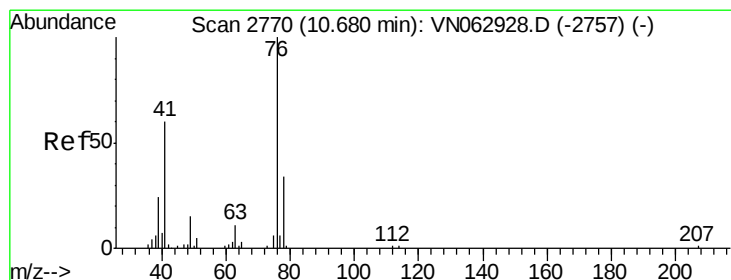
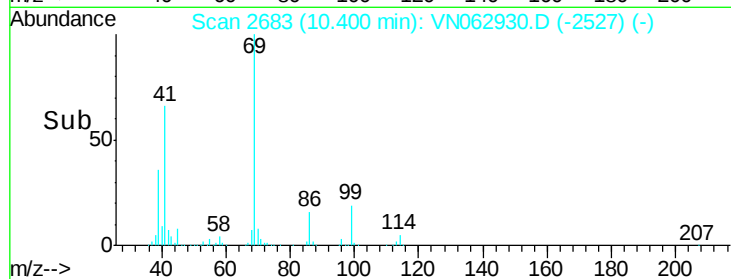
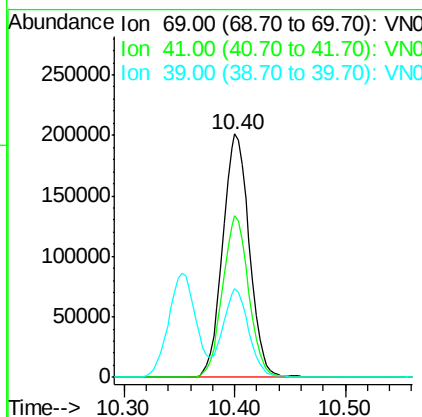
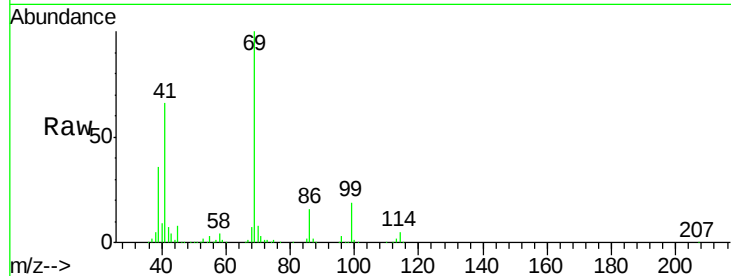
#51
Ethyl methacrylate
Concen: 101.415 ug/l
RT: 10.40 min Scan# 2683
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
69	100		
41	66.1	34.8	104.3
39	36.2	18.6	55.8

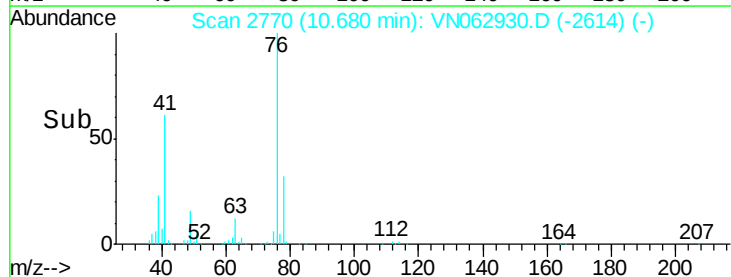
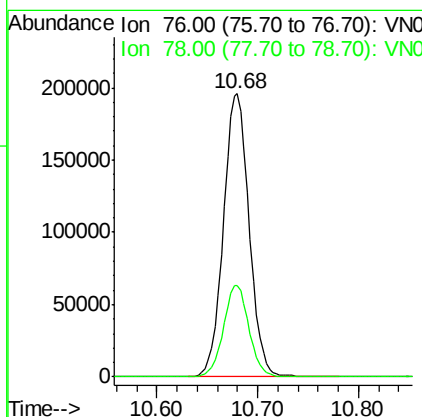
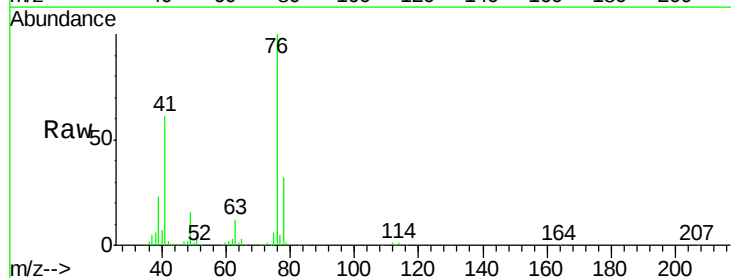
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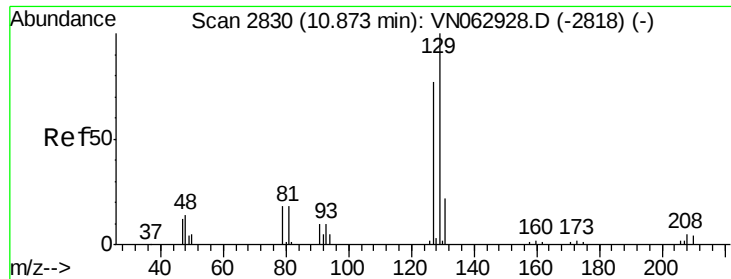
MMDadoda
8/17/2020 9:20:10 AM



#52
1,3-Dichloropropane
Concen: 94.994 ug/l
RT: 10.68 min Scan# 2770
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.9	0.0	66.2





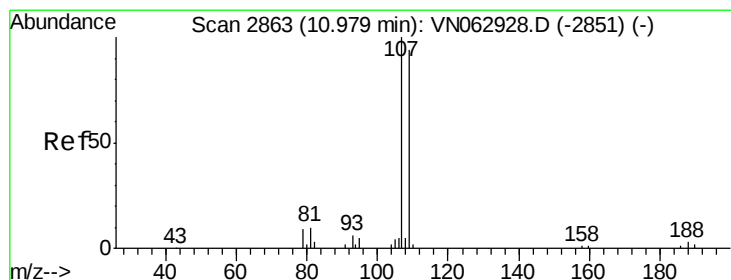
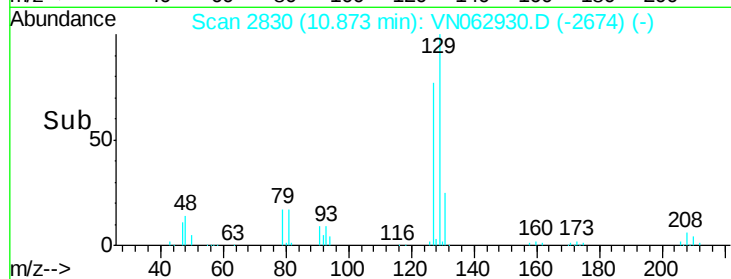
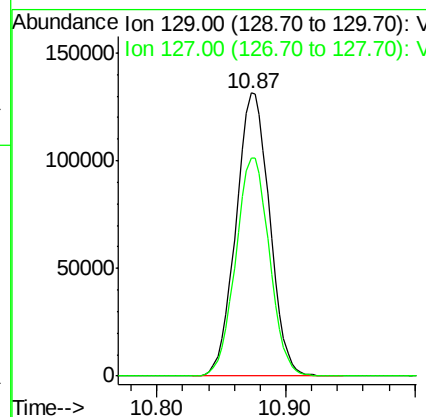
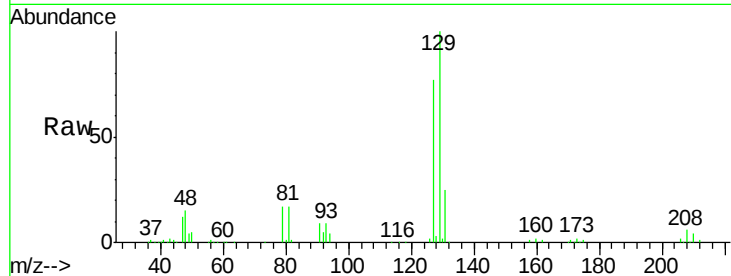
#53
 Dibromochloromethane
 Concen: 106.166 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		238673		
127	77.3	38.1	114.5		

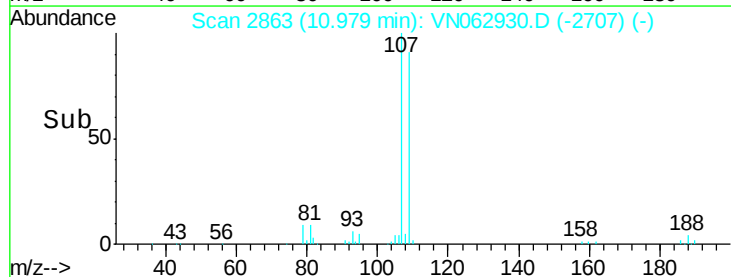
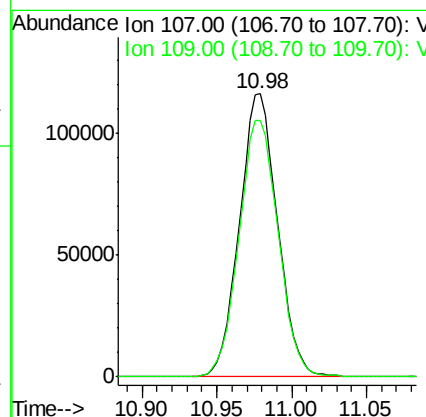
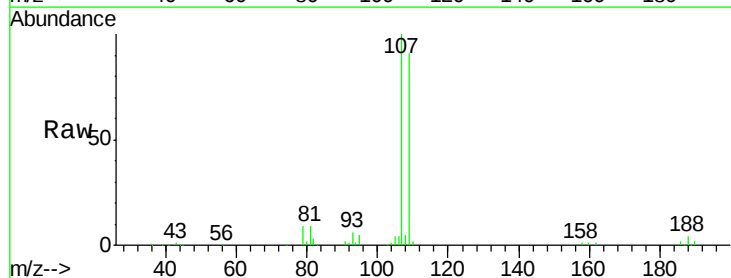
Manual Integrations
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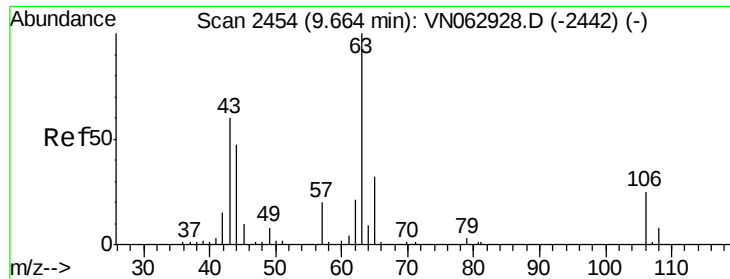
MMDadoda
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#54
 1,2-Dibromoethane
 Concen: 99.420 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		205897		
109	93.7	76.9	115.3		





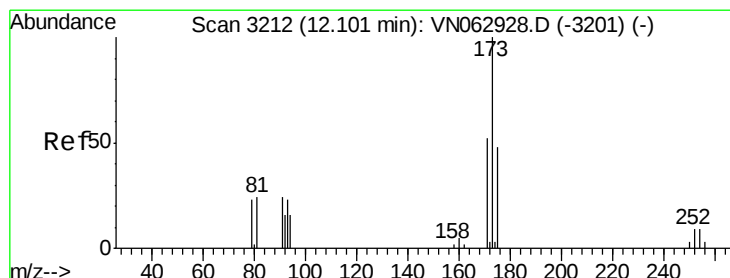
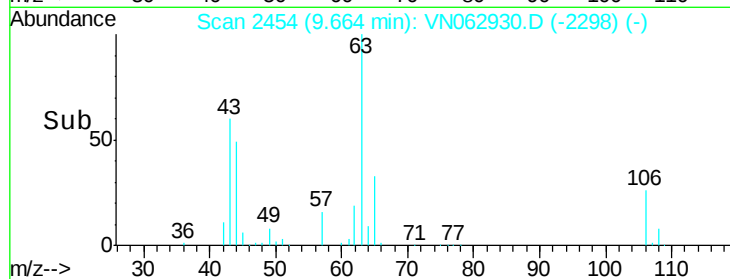
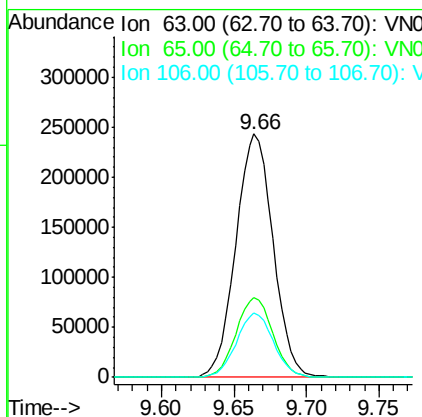
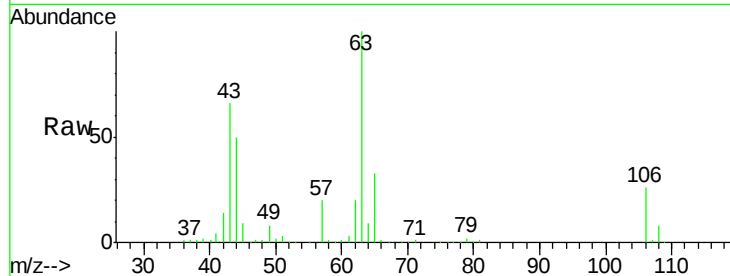
#55
2-Chloroethyl vinyl ether
Concen: 433.129 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.8	38.8
106	26.3	20.4	30.6

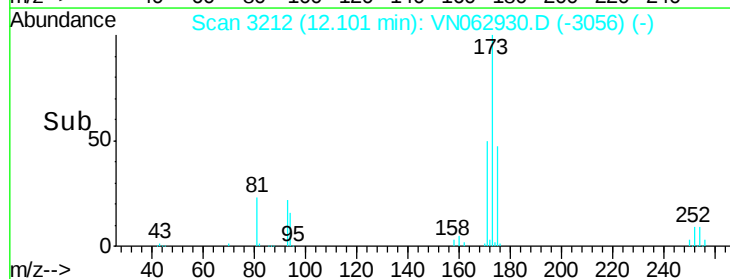
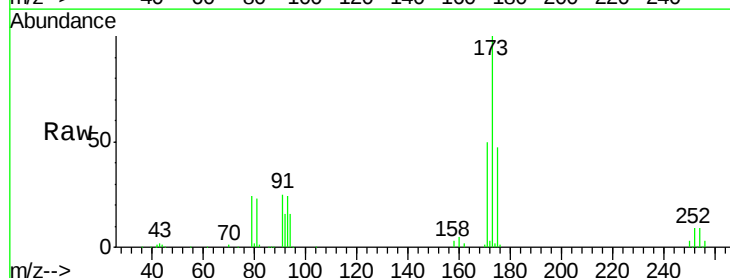
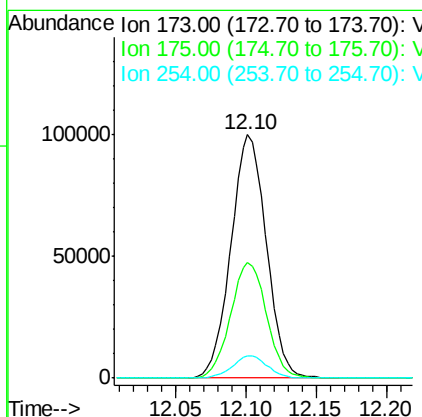
Manual Integrations
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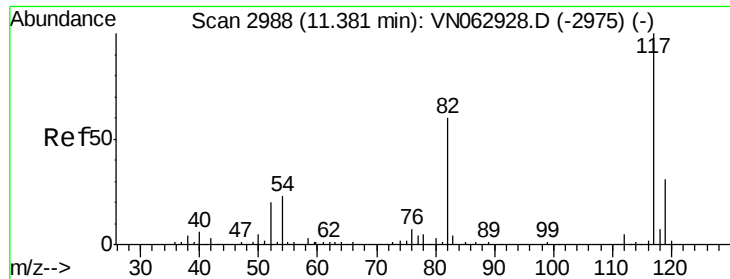
MMDadoda
8/17/2020 9:20:10 AM



#56
Bromoform
Concen: 113.382 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	37.8	56.6
254	8.9	6.9	10.3





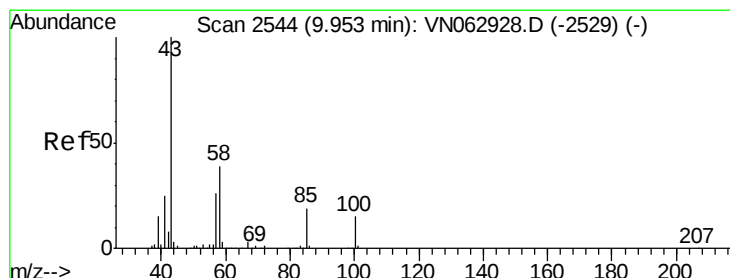
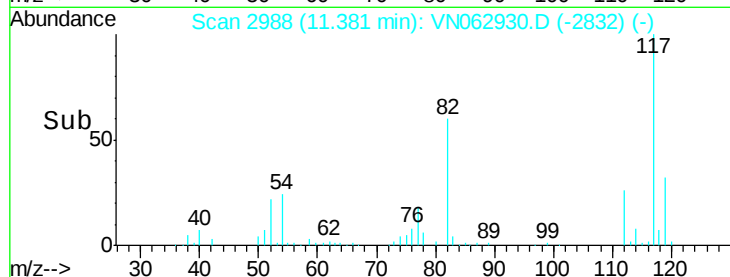
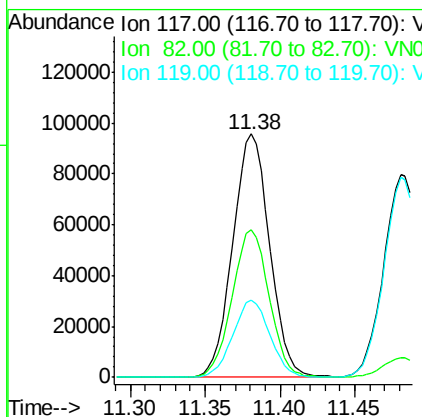
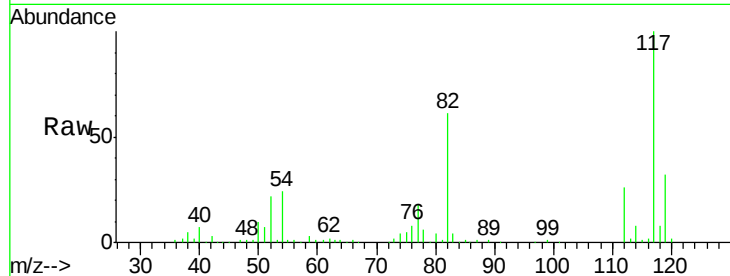
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	47.5	71.3
119	32.0	26.0	39.0

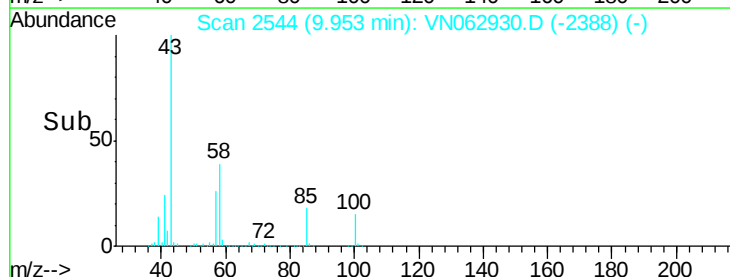
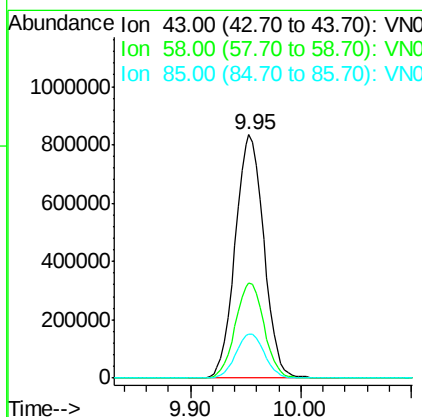
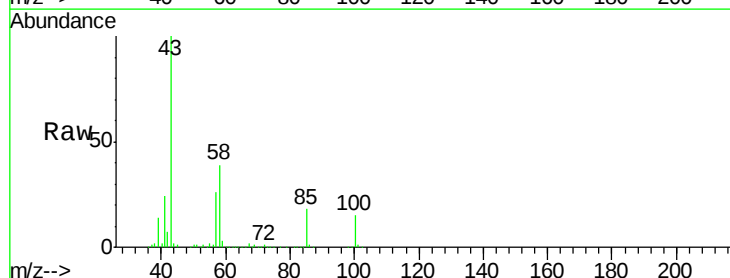
Manual Integrations
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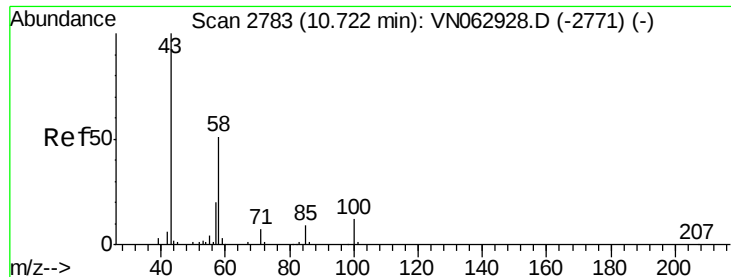
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 484.473 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.3	46.9
85	18.3	15.2	22.8





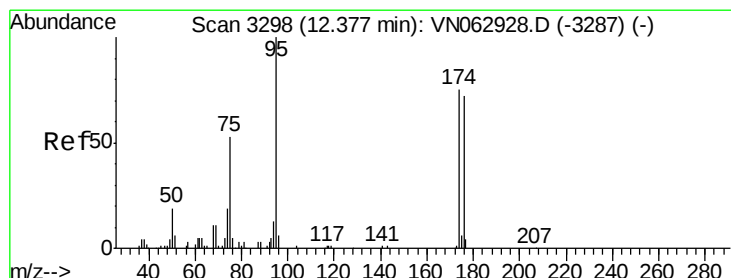
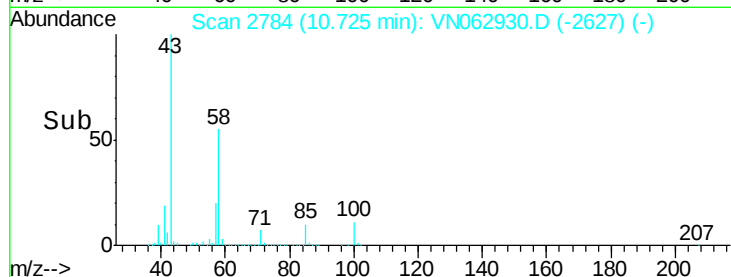
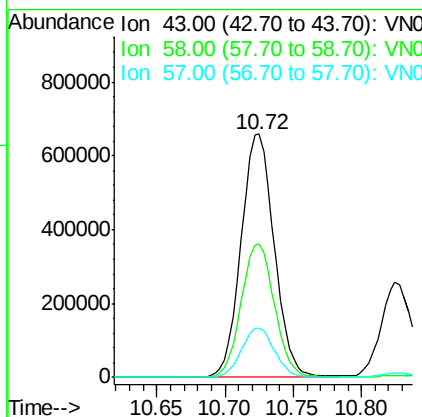
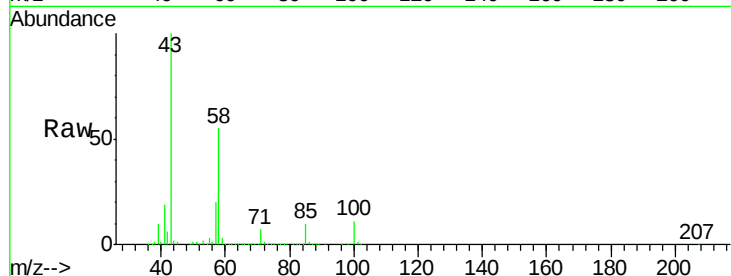
#59
2-Hexanone
Concen: 491.464 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1111876
Ion Ratio Lower Upper
43 100
58 55.2 41.8 62.6
57 20.3 16.2 24.2

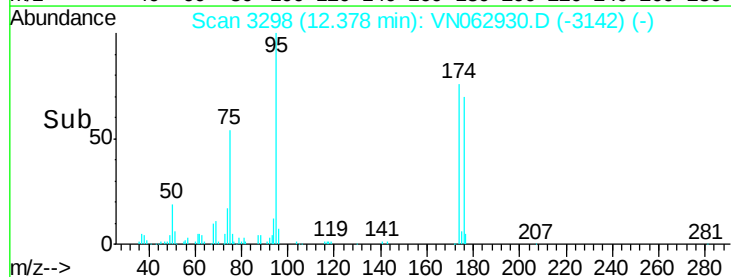
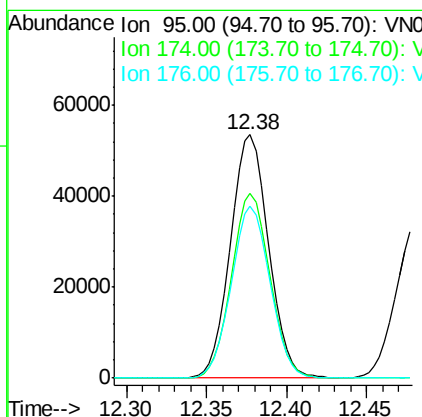
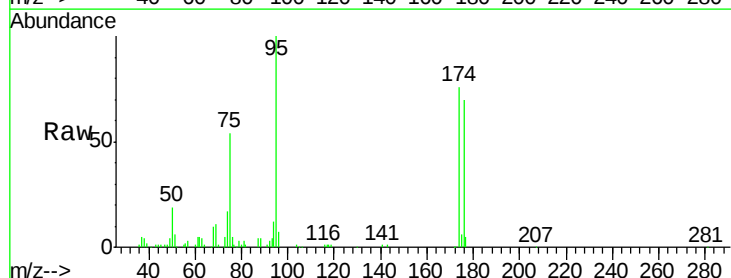
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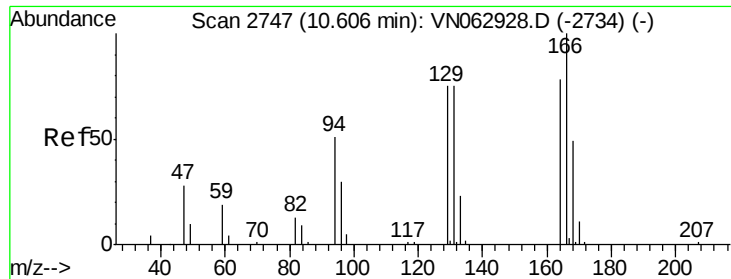
MMDadoda
8/17/2020 9:20:10 AM



#60
4-Bromofluorobenzene
Concen: 31.068 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Tgt Ion: 95 Resp: 86858
Ion Ratio Lower Upper
95 100
174 76.4 60.9 91.3
176 71.6 57.8 86.8





#61

Tetrachloroethene

Concen: 94.870 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 158384

Ion Ratio Lower Upper

164 100

166 125.6 101.9 152.9

129 98.3 76.4 114.6

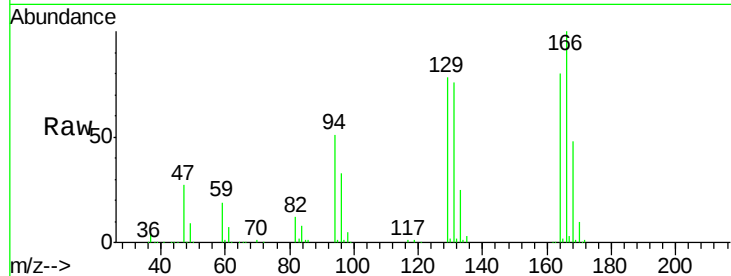
131 95.3 76.5 114.7

Manual Integrations

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8/17/2020 9:20:10 AM

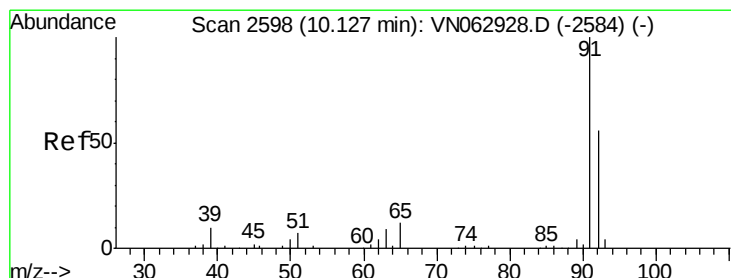
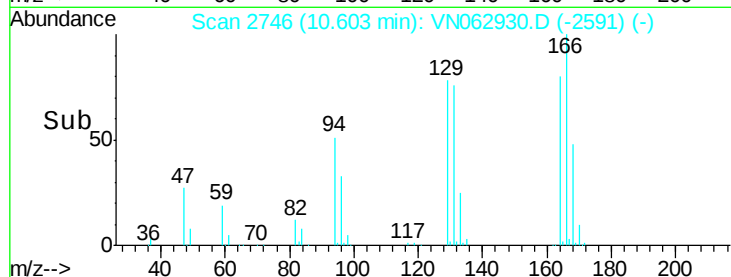
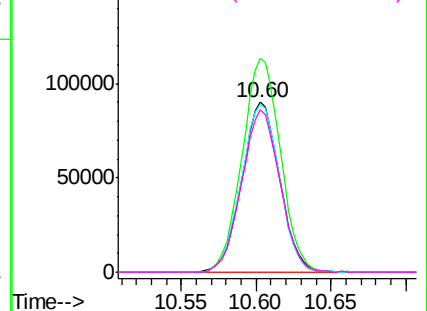


Abundance Ion 163.85 (163.55 to 164.55): V

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: 92.382 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062930.D

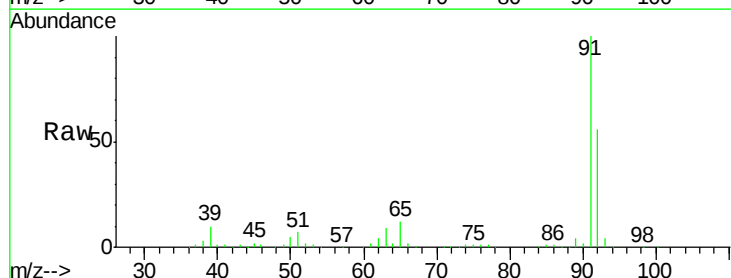
Acq: 13 Aug 2020 23:45

Tgt Ion: 91 Resp: 841040

Ion Ratio Lower Upper

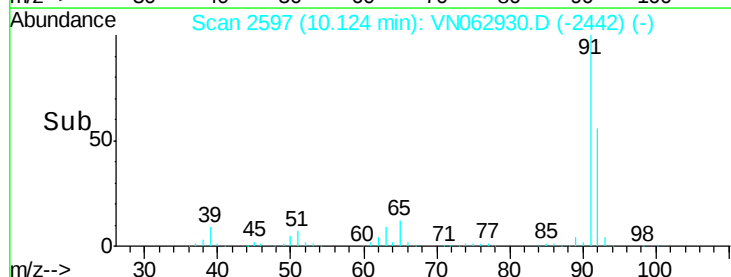
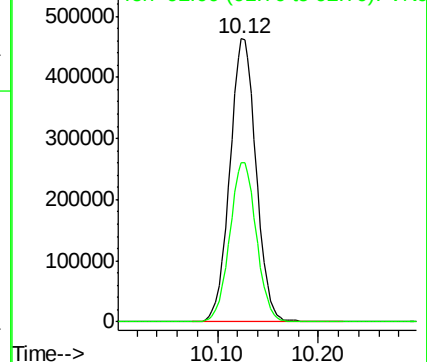
91 100

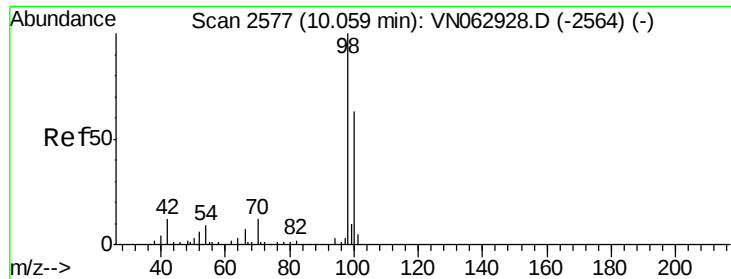
92 56.9 45.2 67.8



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





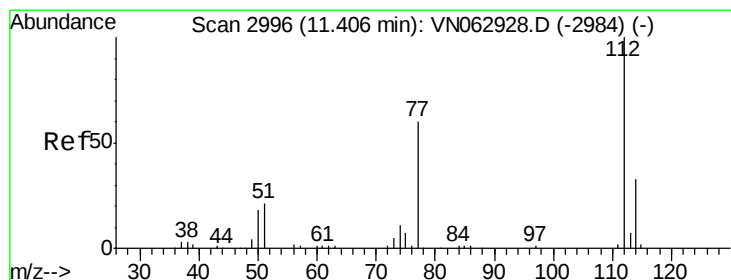
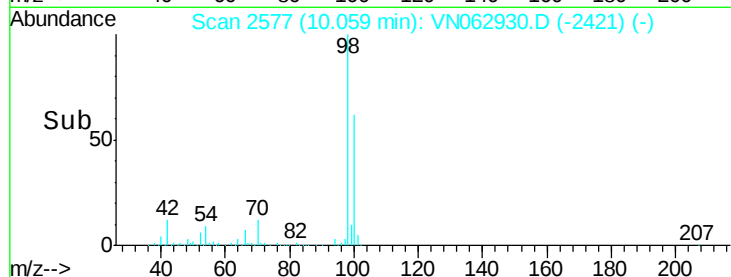
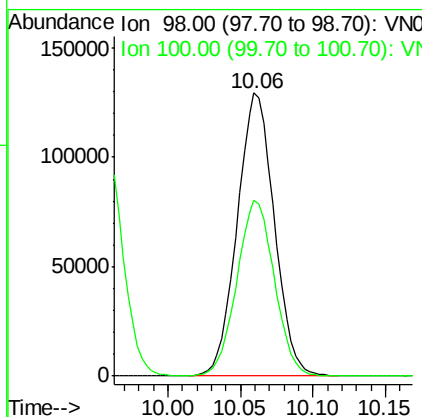
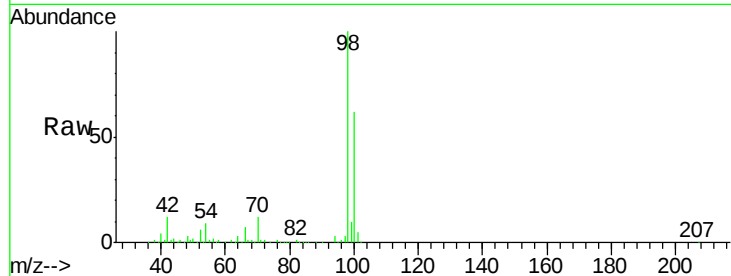
#63
Toluene-d8
Concen: 29.788 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 98 Resp: 230161
Ion Ratio Lower Upper
98 100
100 62.6 51.0 76.6

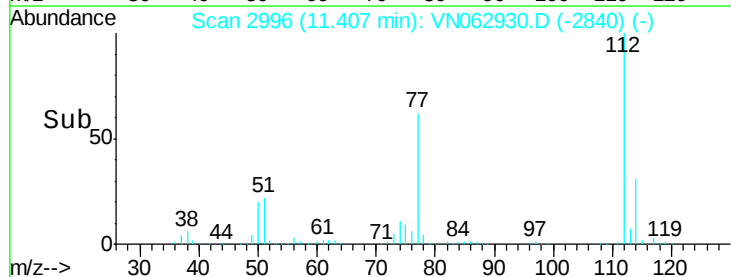
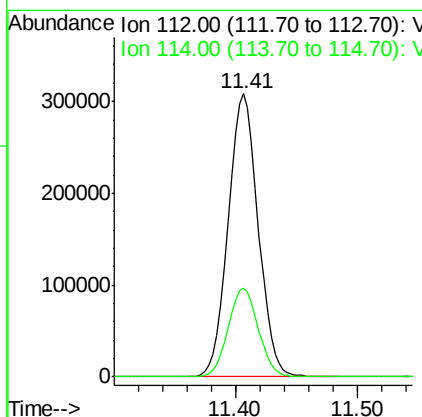
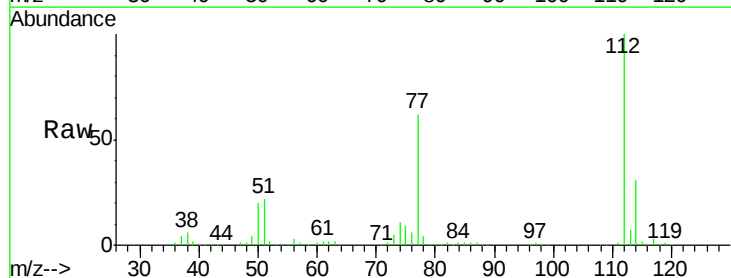
Manual Integrations
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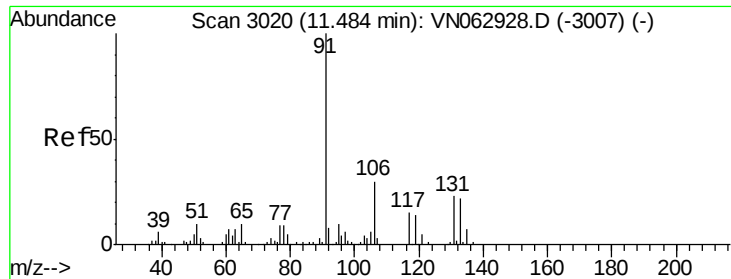
MMDadoda
8/17/2020 9:20:10 AM



#64
Chlorobenzene
Concen: 97.186 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Tgt Ion: 112 Resp: 529026
Ion Ratio Lower Upper
112 100
114 31.2 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 103.319 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

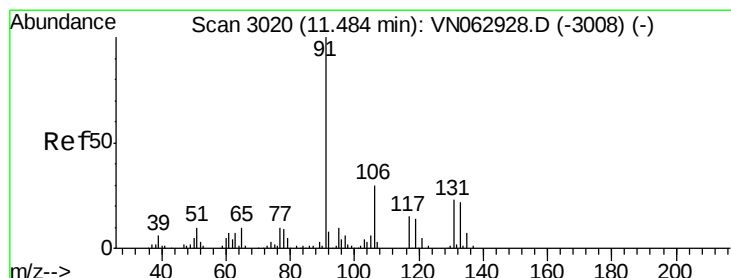
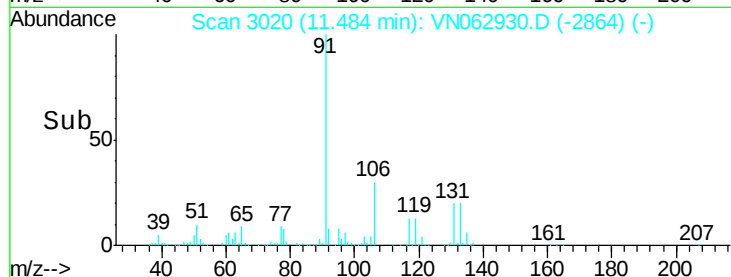
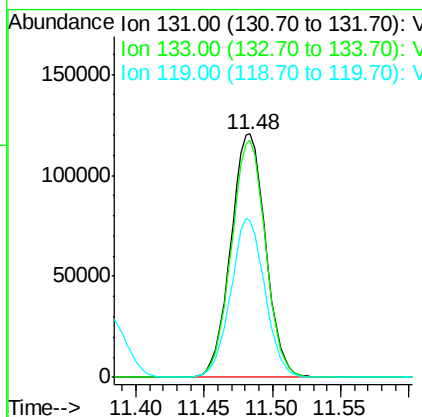
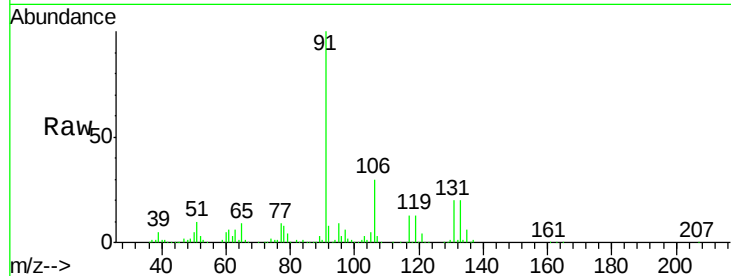
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	21385
Ion Ratio	Lower	Upper	
131	100		
133	95.6	0.0	192.6
119	63.9	0.0	125.4

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#66

Ethyl Benzene

Concen: 97.275 ug/l

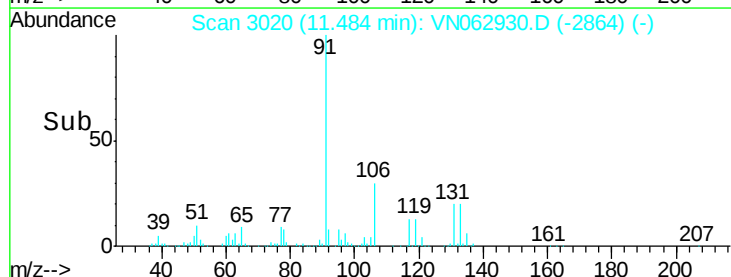
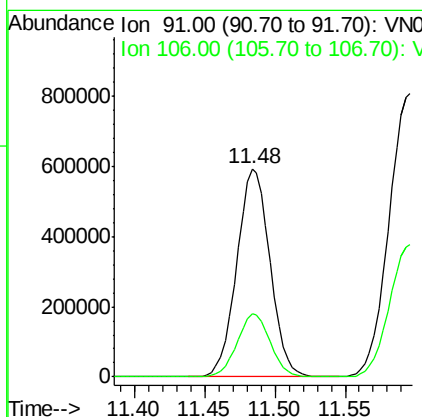
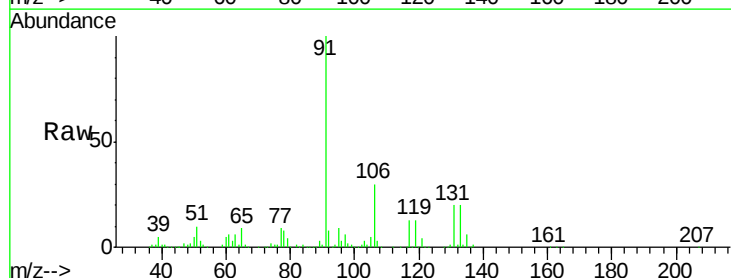
RT: 11.48 min Scan# 3020

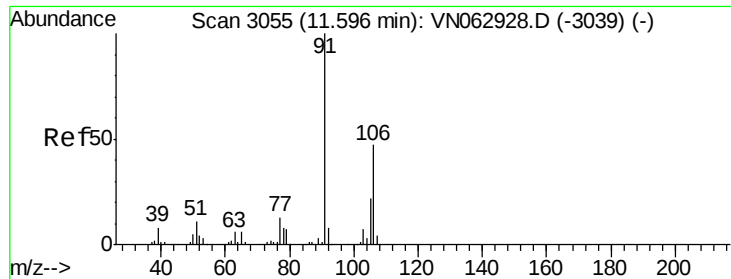
Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Tgt Ion:	91	Resp:	980453
Ion Ratio	Lower	Upper	
91	100		
106	30.5	24.0	36.0





#67

m/p-Xylenes

Concen: 196.274 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:106 Resp: 727440

Ion Ratio Lower Upper

106 100

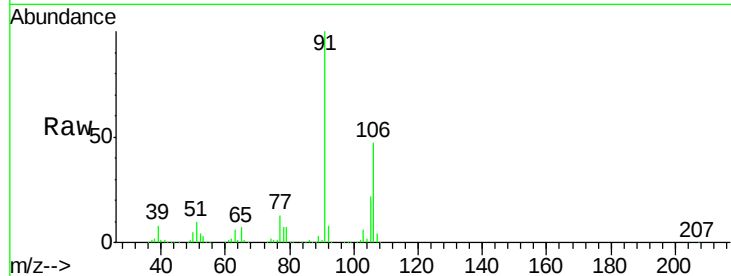
91 214.4 171.0 256.6

Manual Integrations

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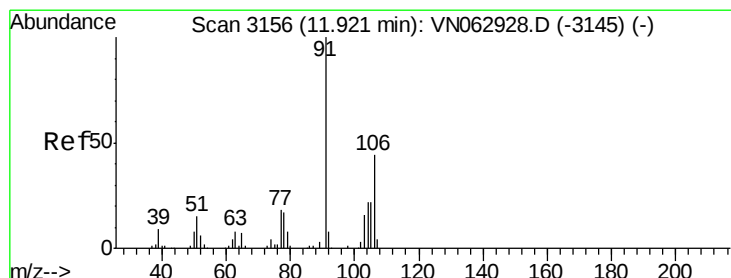
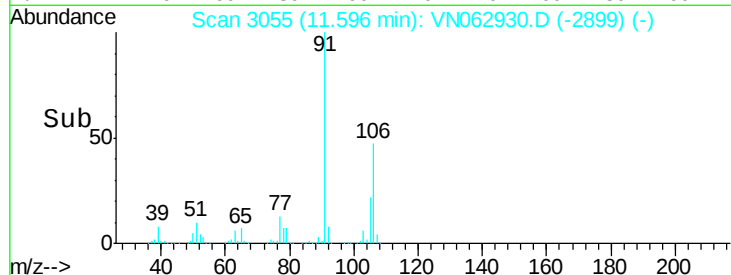
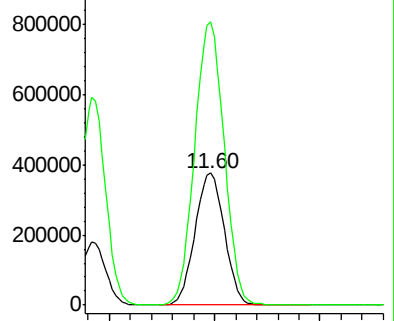
MMDadoda

8/17/2020 9:20:10 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 100.523 ug/l

RT: 11.92 min Scan# 3156

Delta R.T. 0.00 min

Lab File: VN062930.D

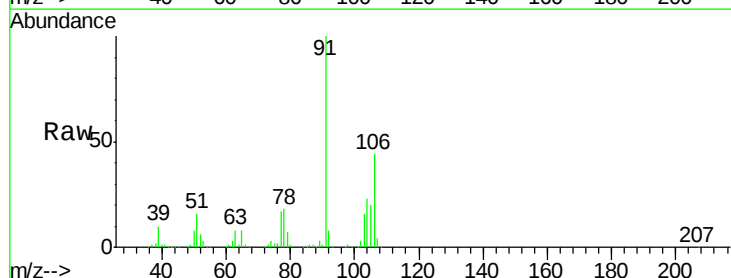
Acq: 13 Aug 2020 23:45

Tgt Ion:106 Resp: 354697

Ion Ratio Lower Upper

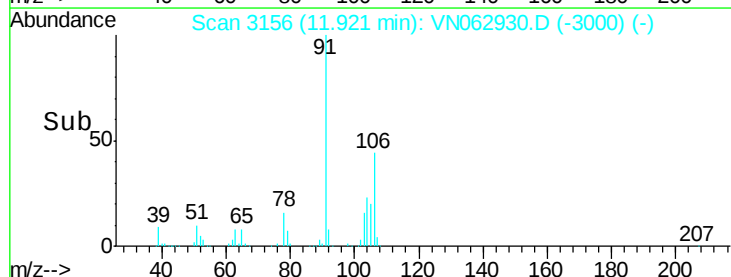
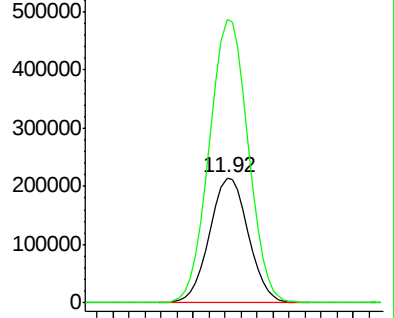
106 100

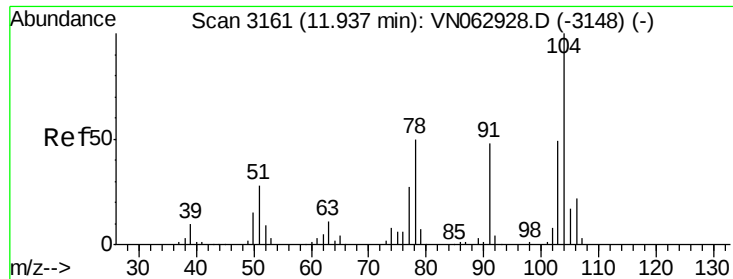
91 227.2 115.4 346.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





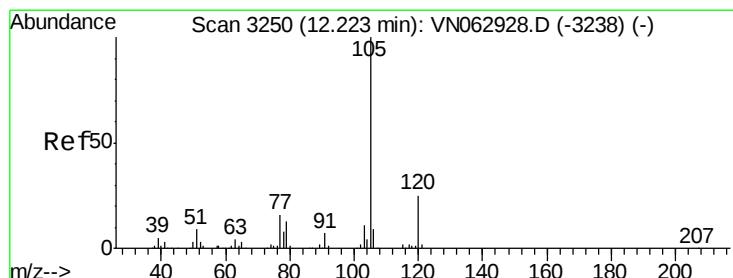
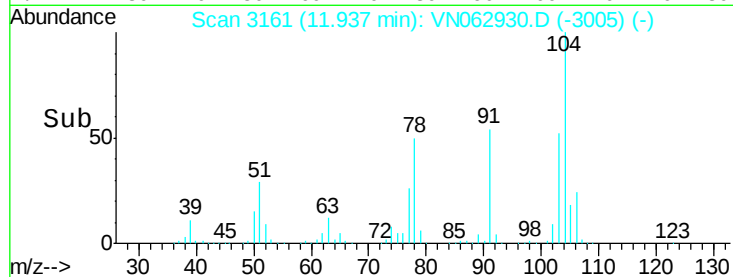
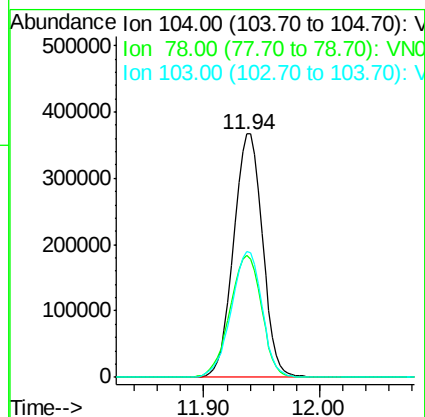
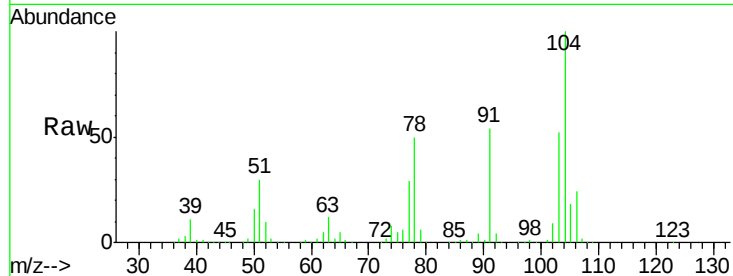
#69
Stvrene
Concen: 104.000 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		632204		
78	55.0	44.4	66.6		
103	54.8	44.0	66.0		

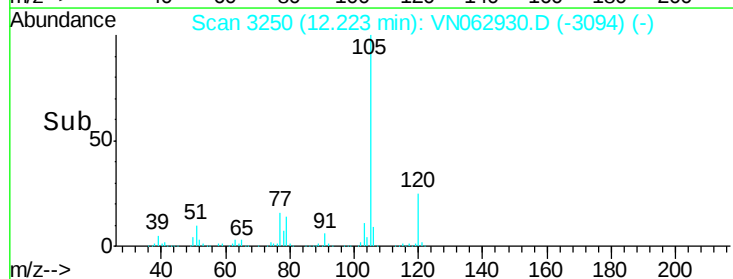
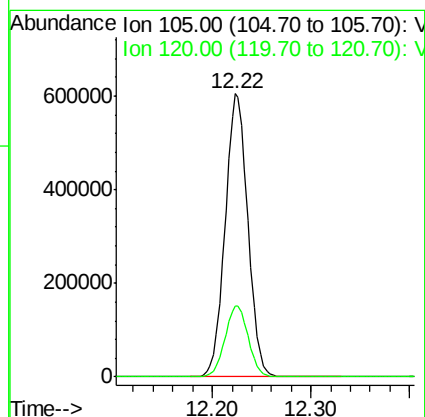
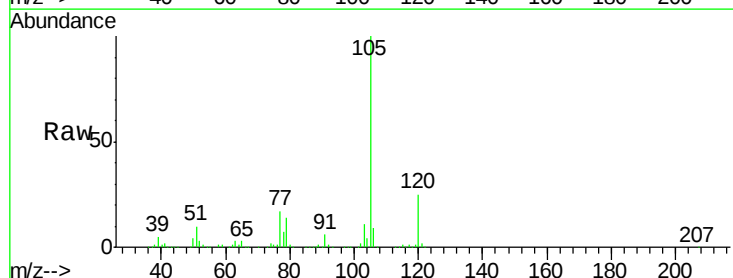
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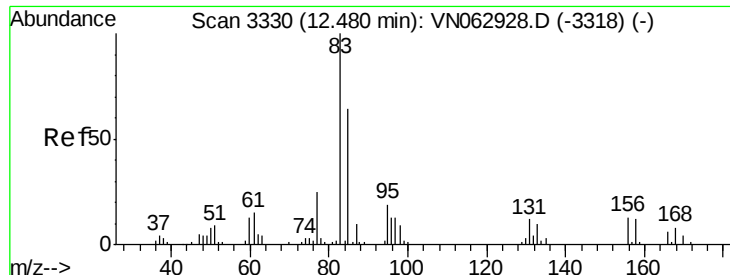
MMDadoda
8/17/2020 9:20:10 AM



#70
Isopropylbenzene
Concen: 101.723 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		976141		
120	25.7	18.0	33.4		





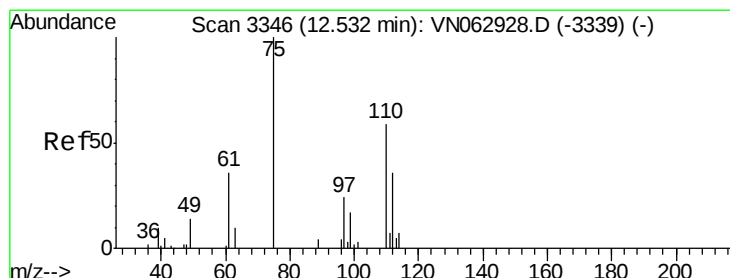
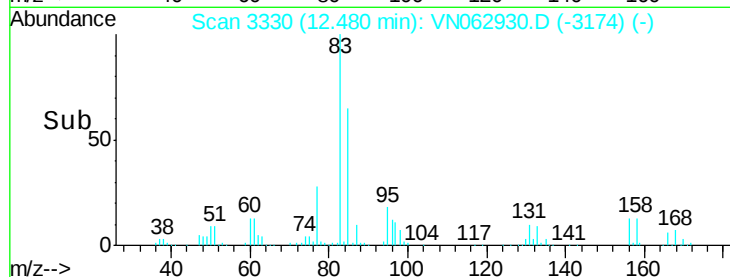
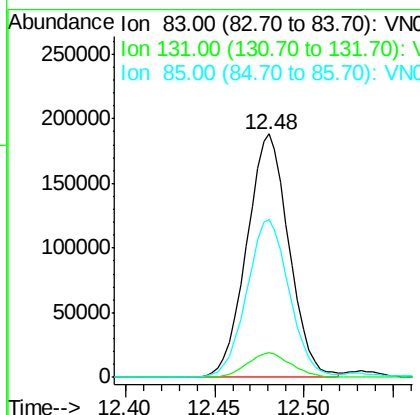
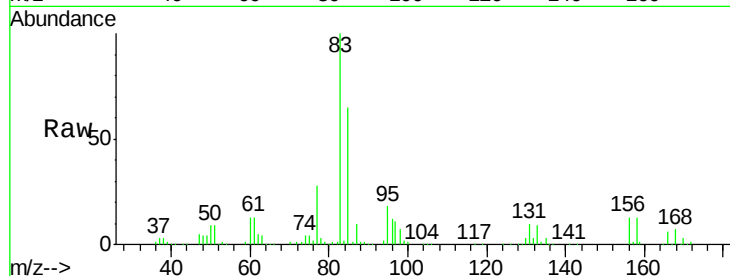
#71
 1,1,2,2-Tetrachloroethane
 Concen: 100.260 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. 0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	312288		
131	10.4	5.5	16.4	
85	65.0	31.7	95.1	

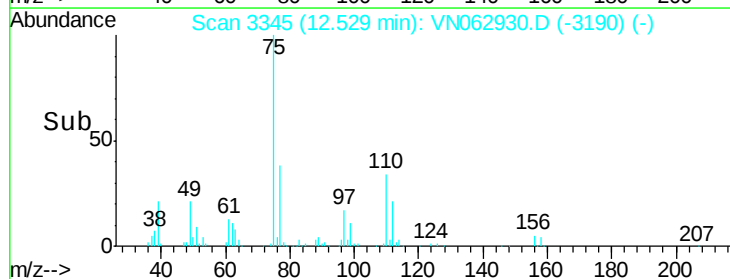
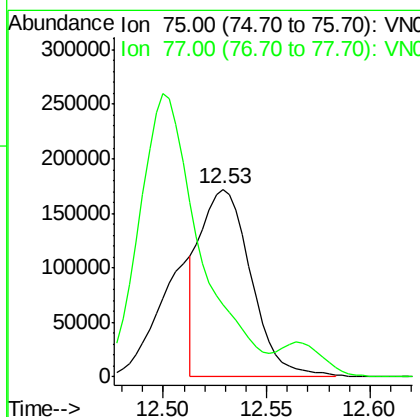
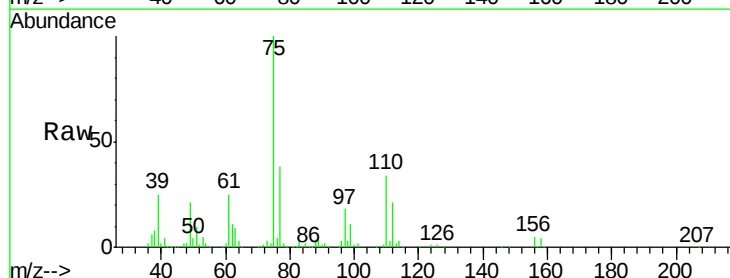
Manual Integrations
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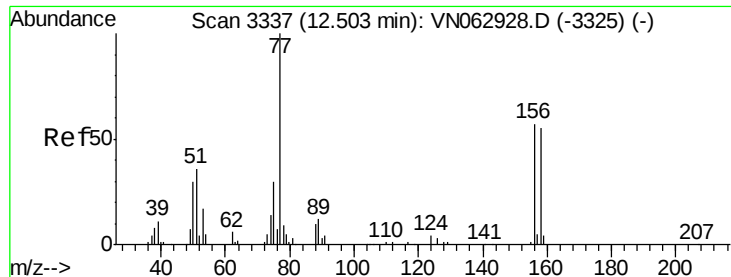
MMDadoda
 8/17/2020 9:20:10 AM



#72
 1,2,3-Trichloropropane
 Concen: 95.887 ug/l m
 RT: 12.53 min Scan# 3346
 Delta R.T. -0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	295077		
77	180.6	0.0	313.0	





#73

Bromobenzene

Concen: 103.415 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

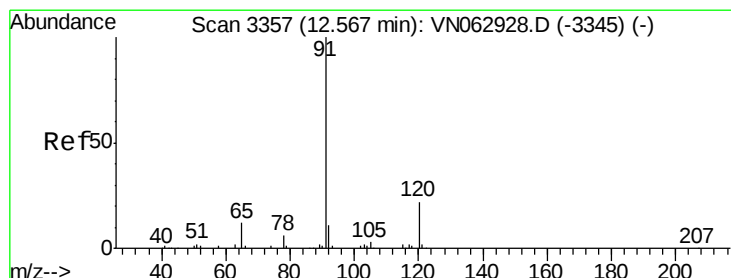
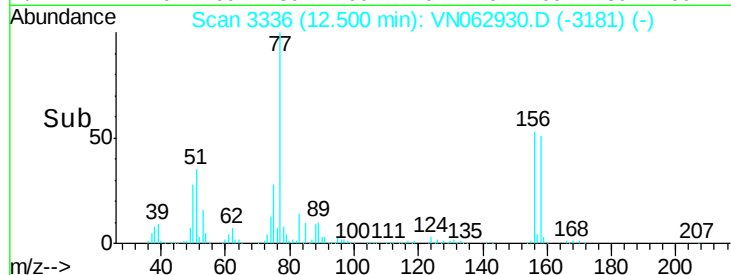
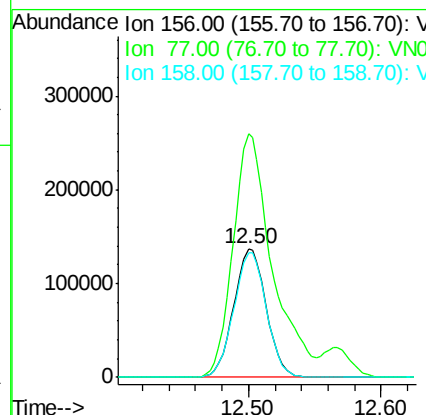
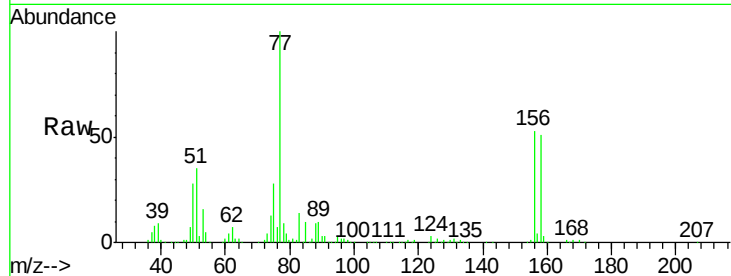
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	232847
Ion Ratio	Lower	Upper	
156	100		
77	228.9	0.0	448.4
158	97.8	0.0	195.0

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#74

n-propylbenzene

Concen: 102.132 ug/l

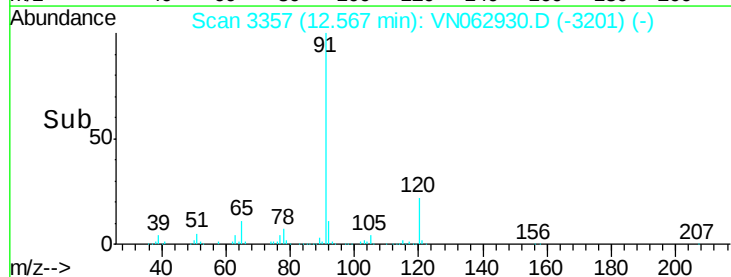
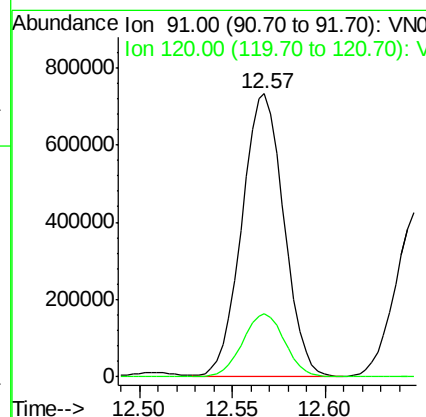
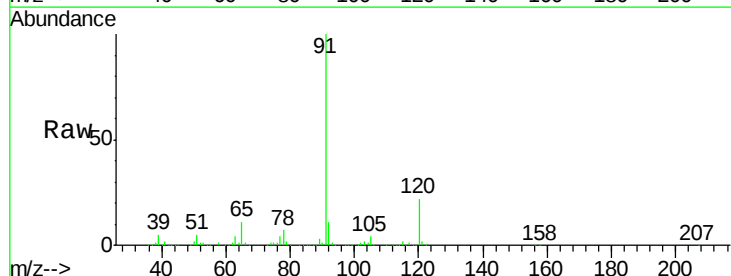
RT: 12.57 min Scan# 3357

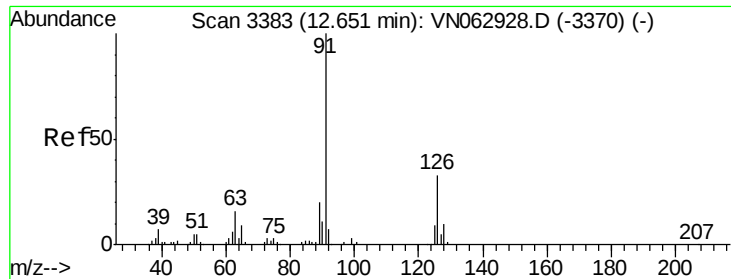
Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Tgt Ion:	91	Resp:	1158750
Ion Ratio	Lower	Upper	
91	100		
120	22.4	0.0	43.4





#75

2-Chlorotoluene

Concen: 102.497 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 707547

Ion Ratio Lower Upper

91 100

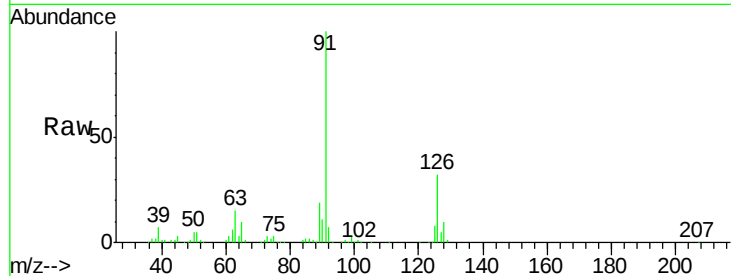
126 31.5 0.0 63.0

Manual Integrations

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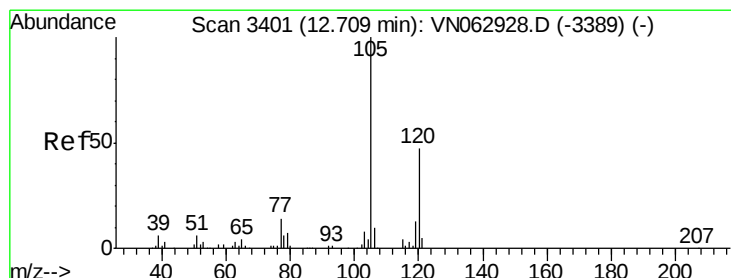
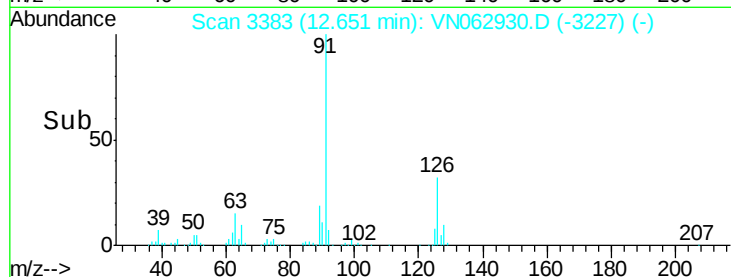
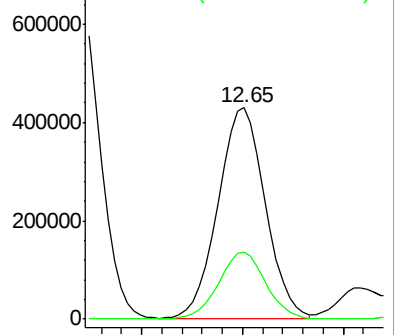
MMDadoda

8/17/2020 9:20:10 AM



Abundance Ion 91.00 (90.70 to 91.70): VN062928.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN062928.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 107.667 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062930.D

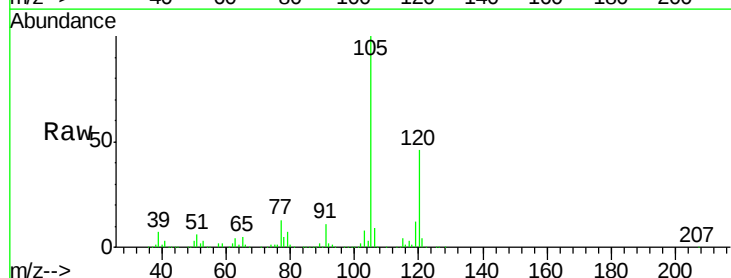
Acq: 13 Aug 2020 23:45

Tgt Ion: 105 Resp: 889010

Ion Ratio Lower Upper

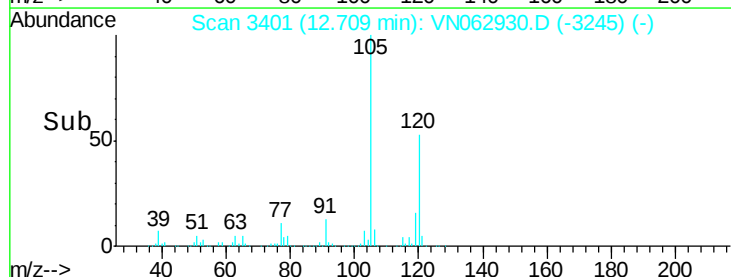
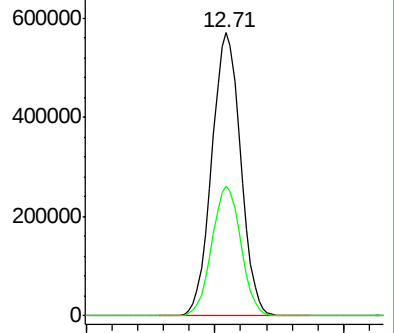
105 100

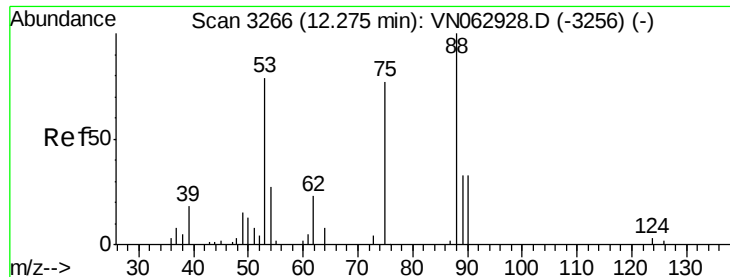
120 45.9 0.0 92.4



Abundance Ion 105.00 (104.70 to 105.70): VN062928.D (-3389) (-)

Ion 120.00 (119.70 to 120.70): VN062928.D (-3389) (-)





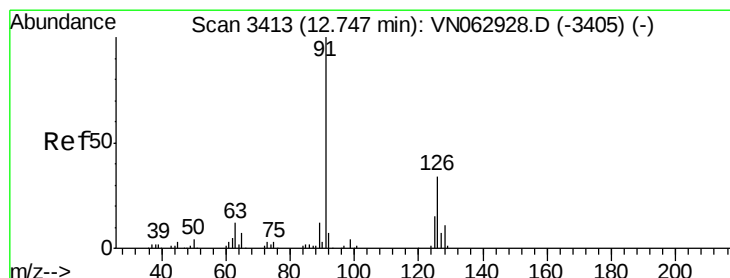
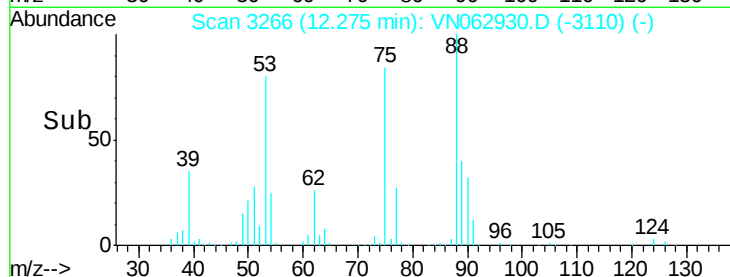
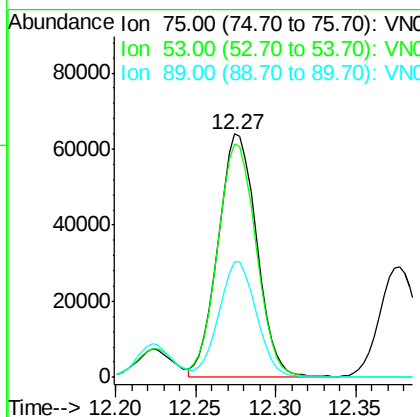
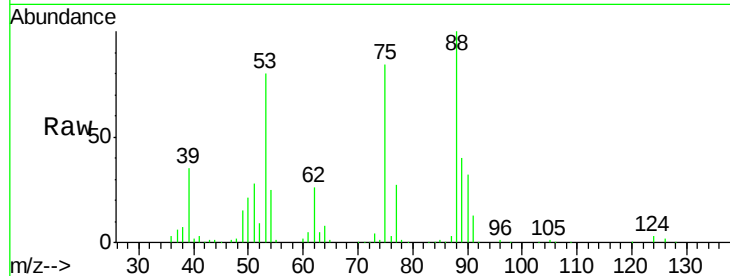
#77
t-1,4-Dichloro-2-butene
Concen: 96.190 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.0	52.3	157.1
89	47.6	23.4	70.3

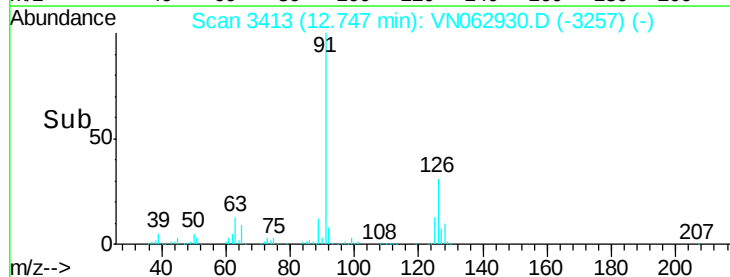
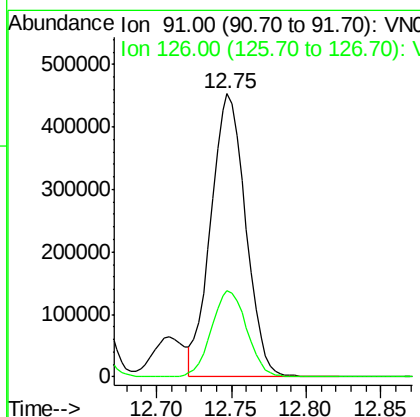
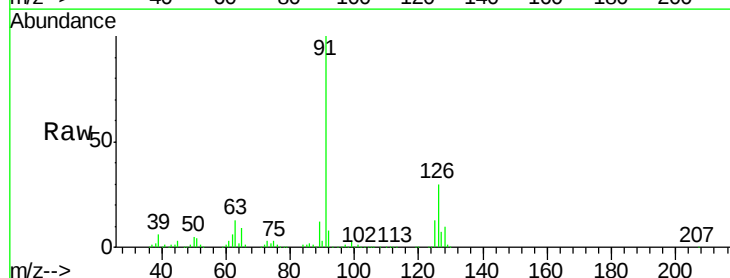
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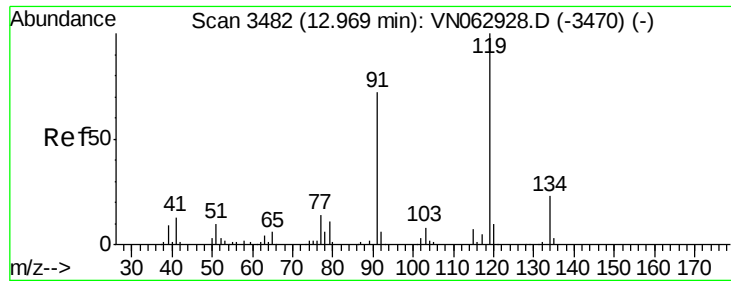
MMDadoda
8/17/2020 9:20:10 AM



#78
4-Chlorotoluene
Concen: 104.481 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.2	0.0	63.0





#79

tert-butylbenzene

Concen: 108.040 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

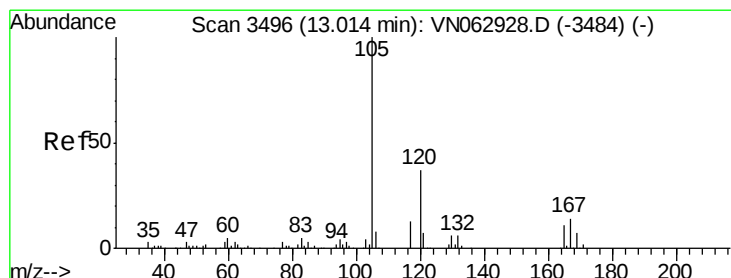
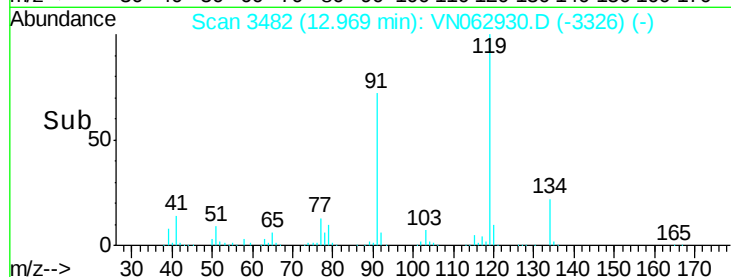
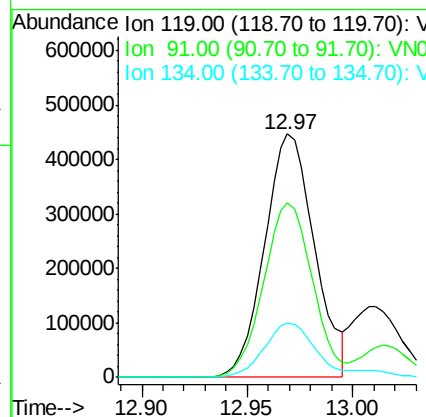
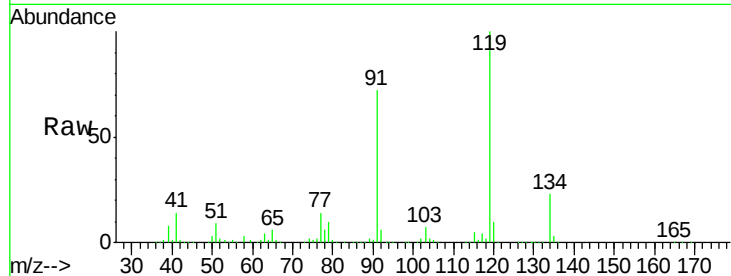
ClientSampleId :

VSTDIC100

Tot Ion:	119	Resp:	736077
Ion Ratio	Lower	Upper	
119	100		
91	70.3	0.0	145.0
134	22.5	0.0	44.6

Manual Integrations
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8/17/2020 9:20:10 AM



#80

1,2,4-Trimethylbenzene

Concen: 109.858 ug/l

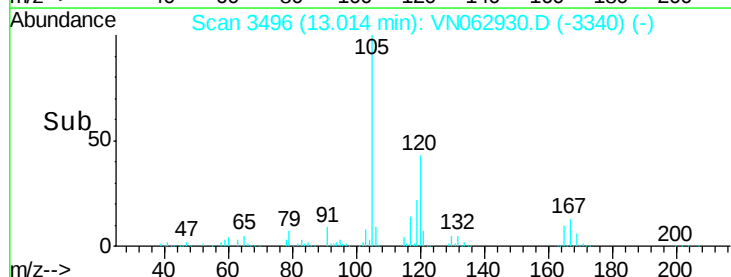
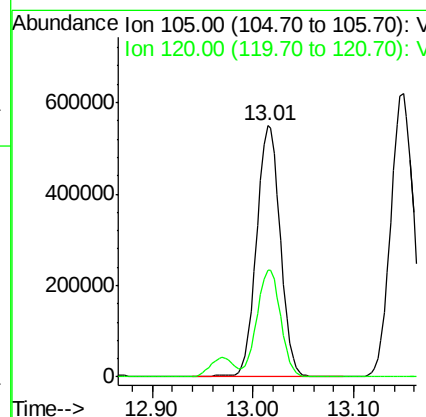
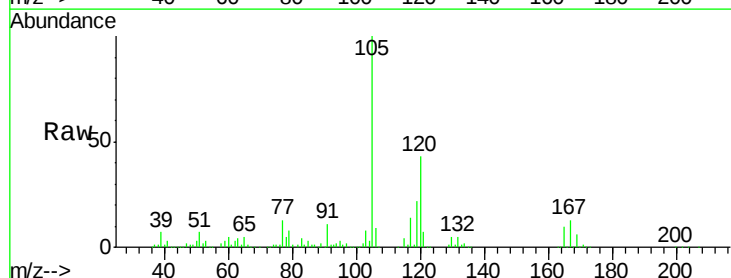
RT: 13.01 min Scan# 3496

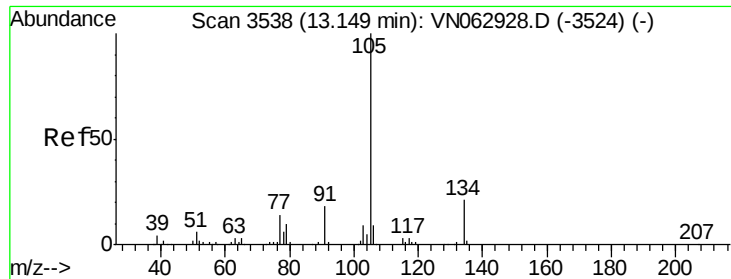
Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Tgt Ion:	105	Resp:	887686
Ion Ratio	Lower	Upper	
105	100		
120	42.6	0.0	86.6





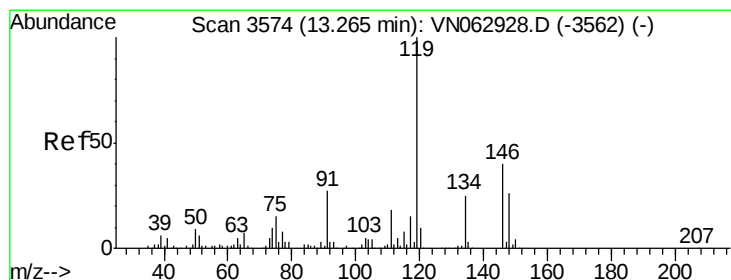
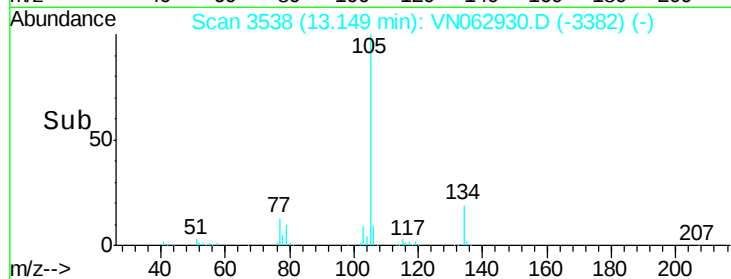
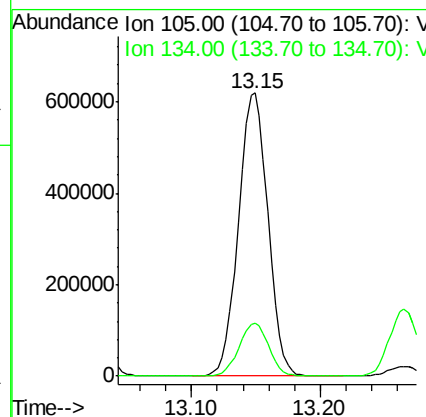
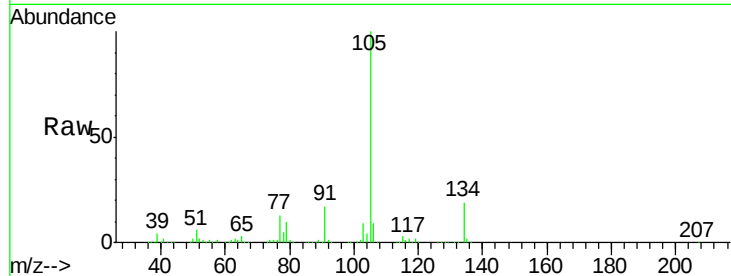
#81
 sec-Butylbenzene
 Concen: 107.457 ug/l
 RT: 13.15 min Scan# 3538
 Delta R.T. 0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
105	100	980494		
134	18.9	0.0	39.4	

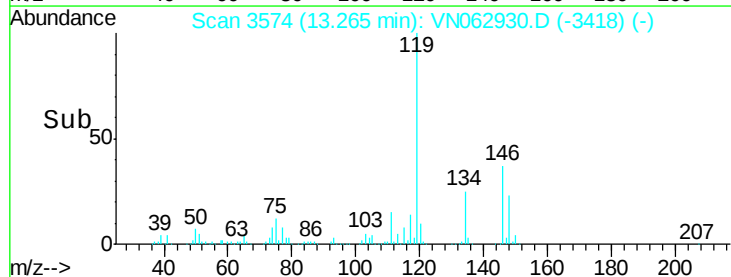
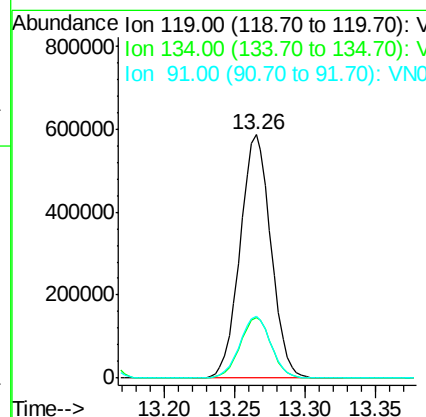
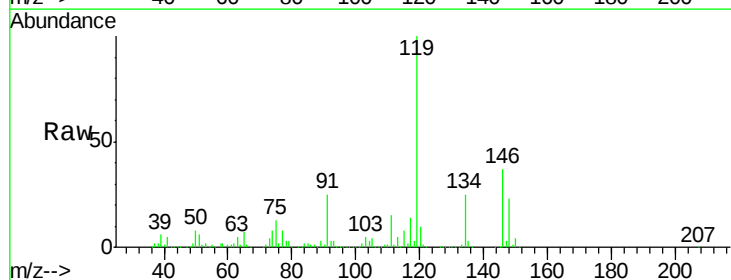
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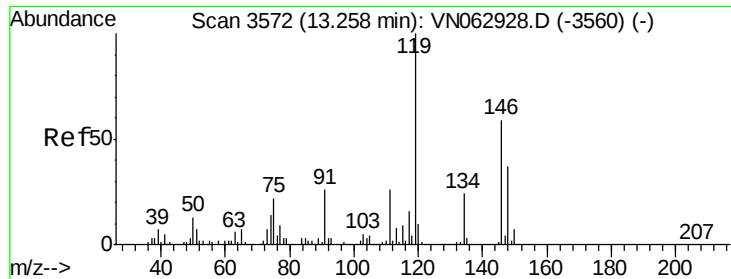
MMDadoda
 8/17/2020 9:20:10 AM



#82
 p-Isopropyltoluene
 Concen: 111.261 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	897675		
134	25.1	0.0	49.6	
91	25.5	0.0	53.6	





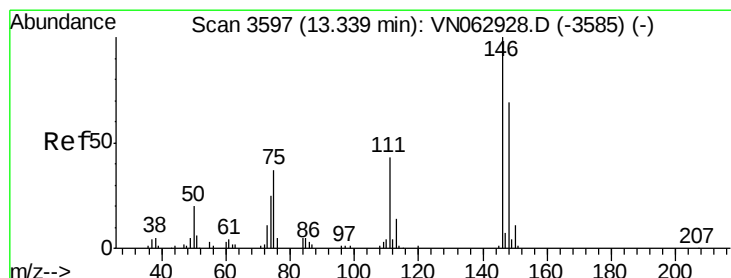
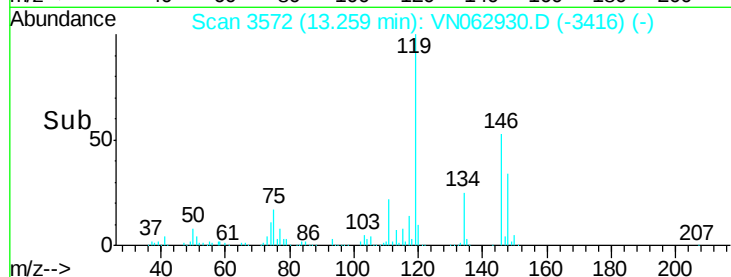
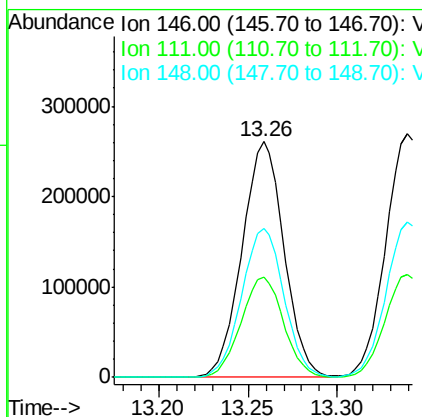
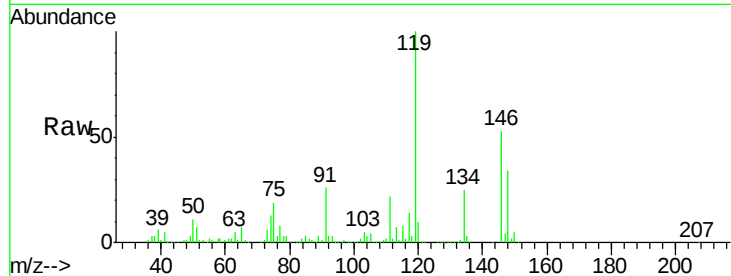
#83
 1,3-Dichlorobenzene
 Concen: 109.513 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.4	67.2
148	63.6	31.6	94.7

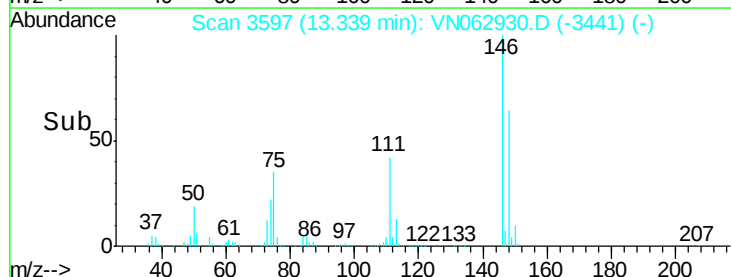
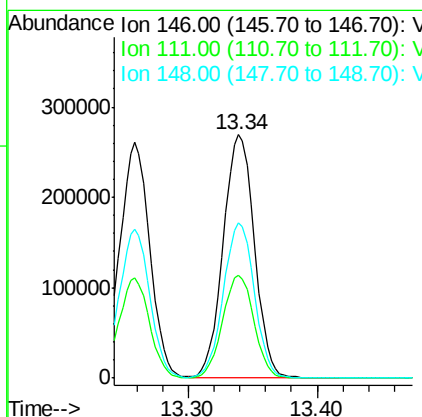
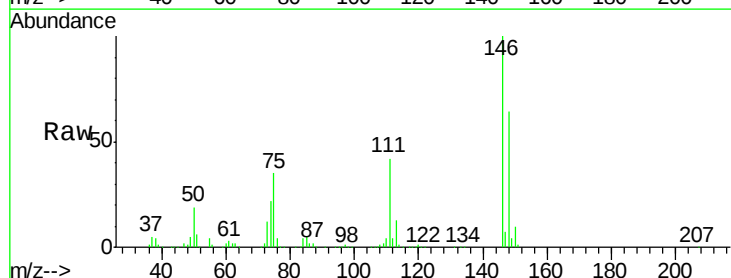
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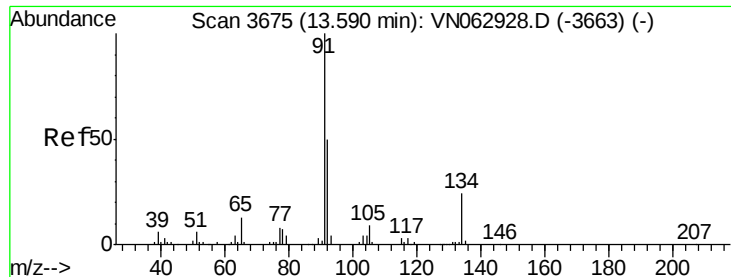
MMDadoda
 8/17/2020 9:20:10 AM



#84
 1,4-Dichlorobenzene
 Concen: 117.204 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.6	64.8
148	62.8	33.3	99.9





#85

n-Butylbenzene

Concen: 144.360 ug/l

RT: 13.59 min Scan# 3675

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

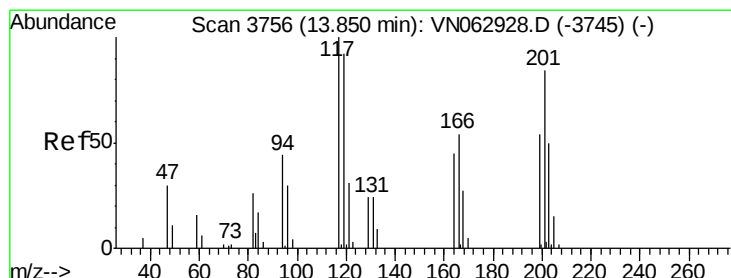
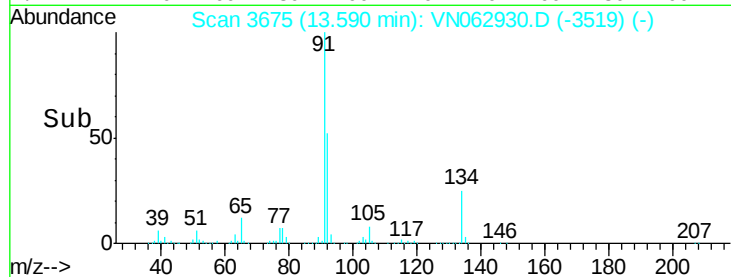
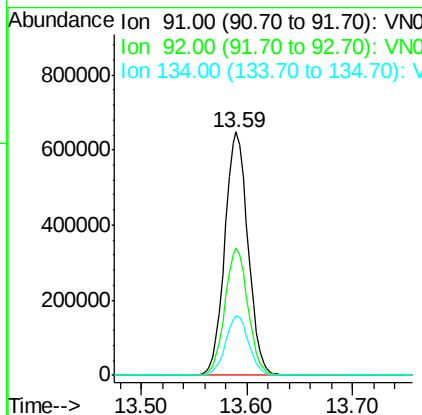
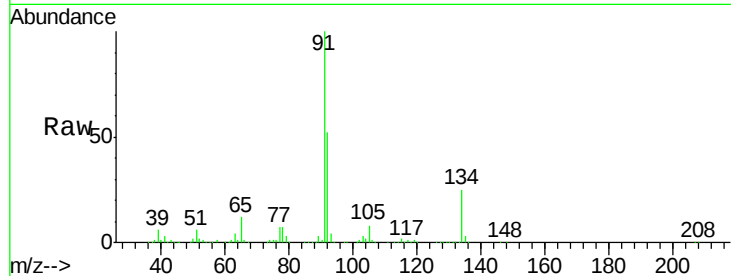
ClientSampled :

VSTDIC100

Tot Ion:	91	Resp:	985148
Ion	Ratio	Lower	Upper
91	100		
92	52.1	0.0	97.2
134	24.4	0.0	48.4

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#86

Hexachloroethane

Concen: 140.711 ug/l

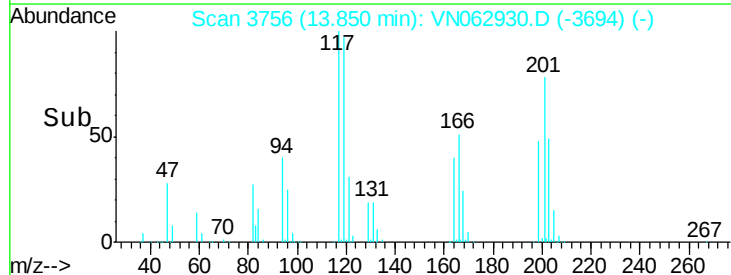
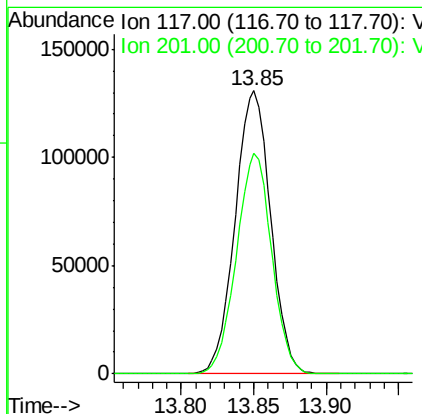
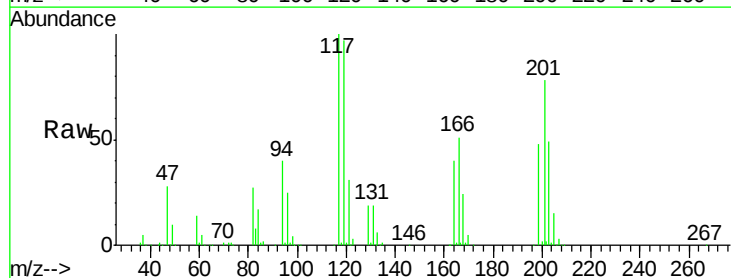
RT: 13.85 min Scan# 3756

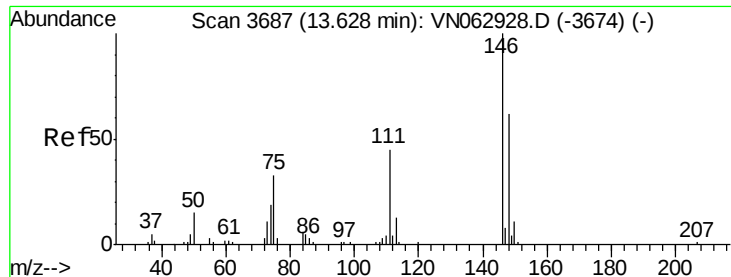
Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Tgt Ion:	117	Resp:	222606
Ion	Ratio	Lower	Upper
117	100		
201	77.2	40.9	122.7





#87

1,2-Dichlorobenzene

Concen: 140.712 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 531079

Ion Ratio Lower Upper

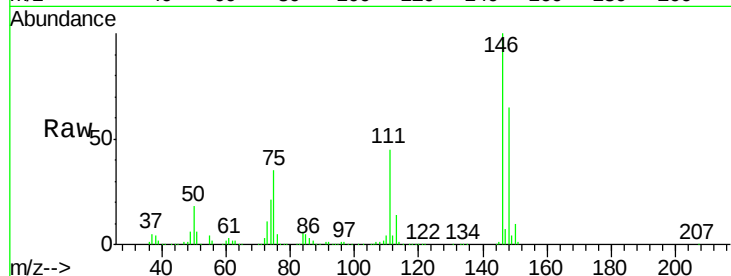
146 100

111 44.0 23.3 69.8

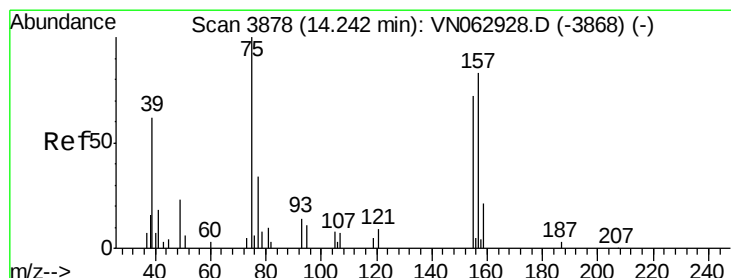
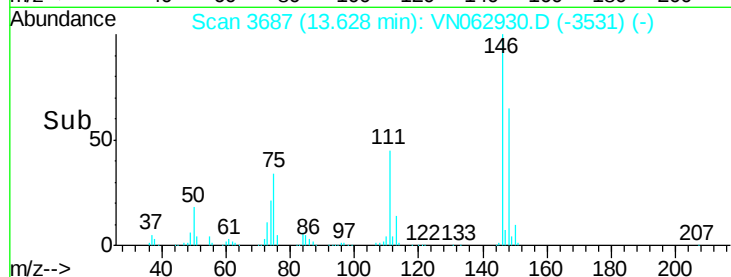
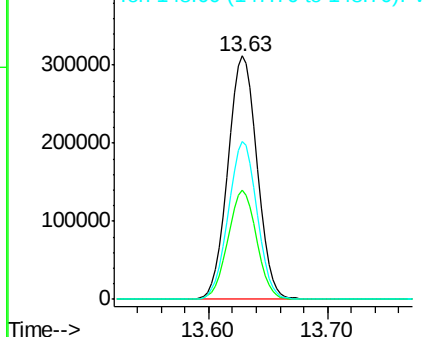
148 63.7 31.3 93.8

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 159.738 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN062930.D

Acq: 13 Aug 2020 23:45

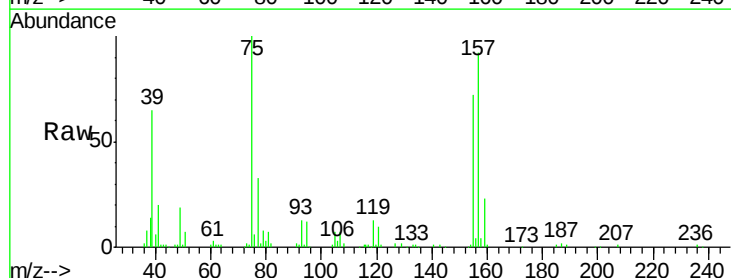
Tgt Ion: 75 Resp: 94493

Ion Ratio Lower Upper

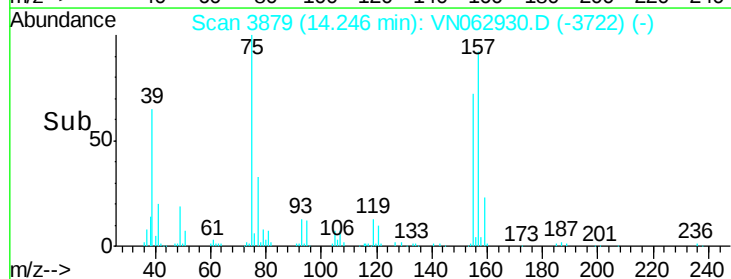
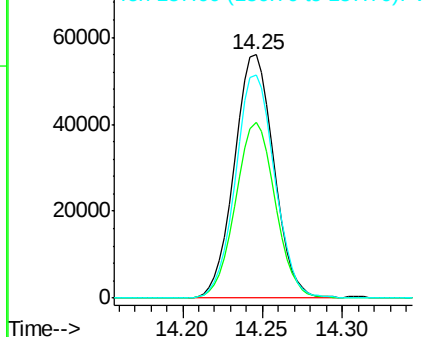
75 100

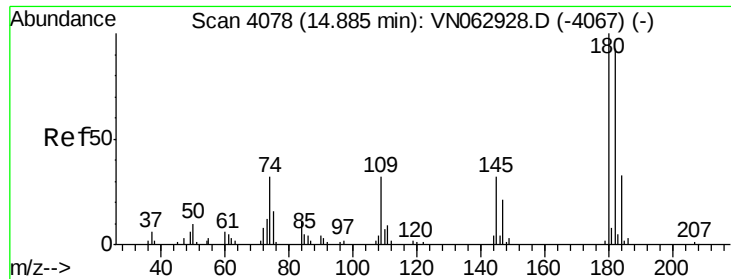
155 72.6 59.8 89.8

157 90.9 71.6 107.4



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V





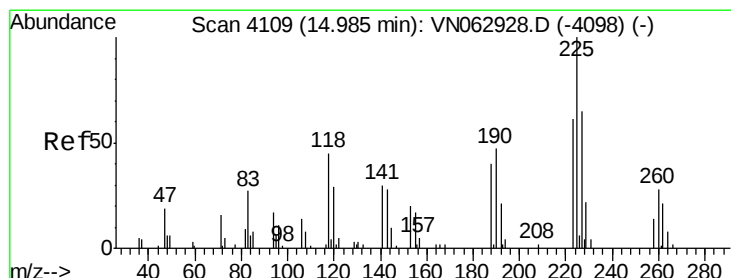
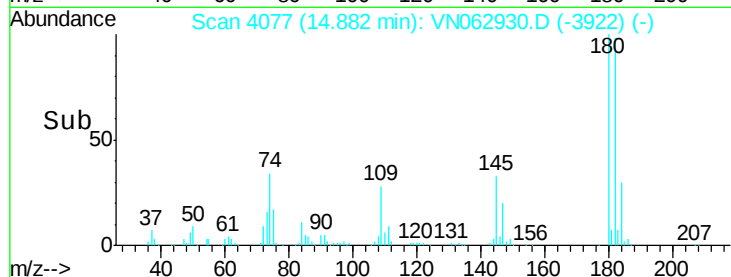
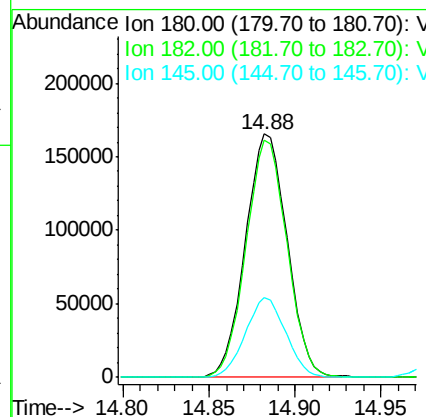
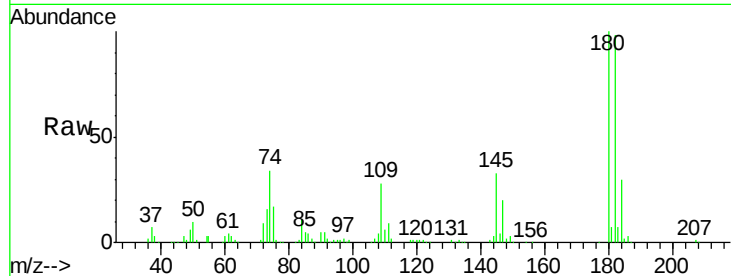
#89
 1,2,4-Trichlorobenzene
 Concen: 151.784 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.3	112.9
145	31.9	25.4	38.2

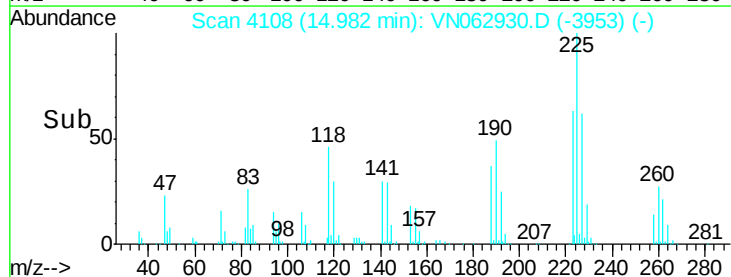
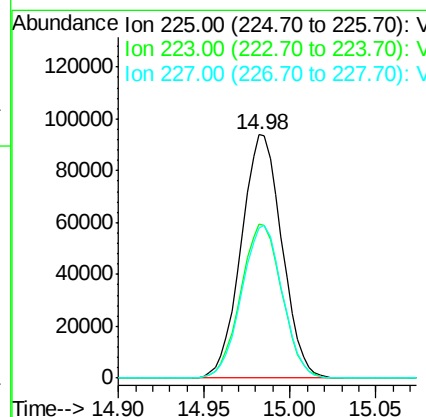
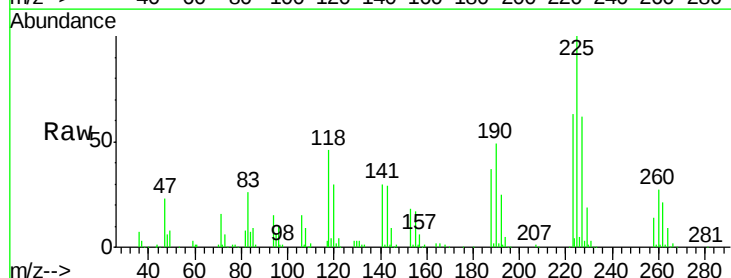
Manual Integrations
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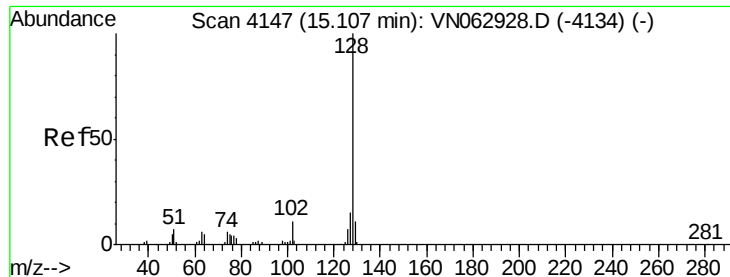
MMDadoda
 8/17/2020 9:20:10 AM



#90
 Hexachlorobutadiene
 Concen: 144.857 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062930.D
 Acq: 13 Aug 2020 23:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	0.0	129.8
227	62.8	0.0	133.6





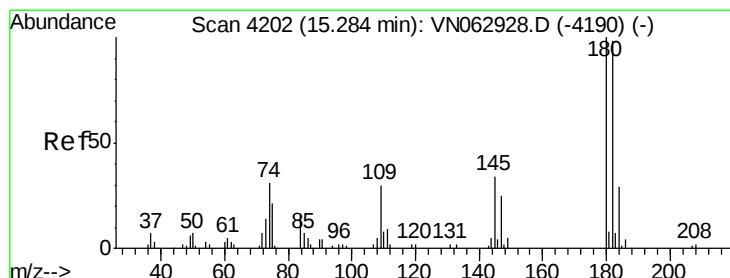
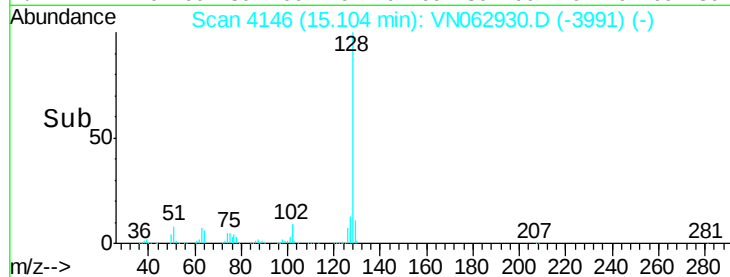
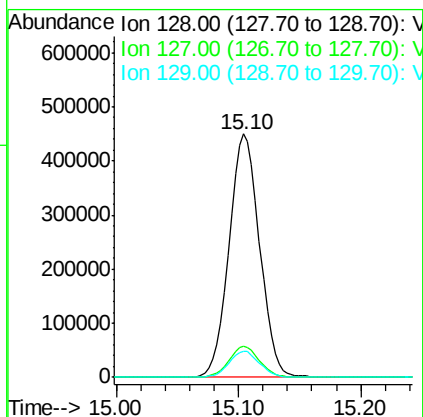
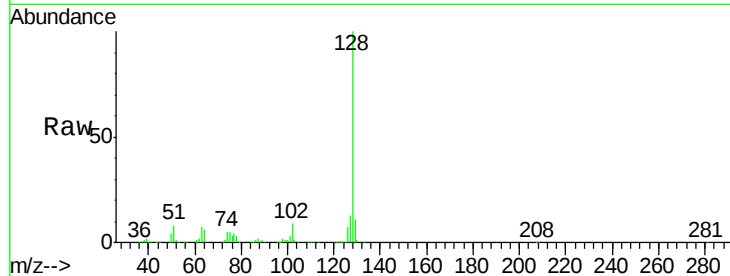
#91
Naphthalene
Concen: 159.767 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	128	Resp:	783975
Ion Ratio	Lower	Upper	
128	100		
127	12.9	11.6	17.4
129	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/17/2020 9:20:10 AM



#92
1,2,3-Trichlorobenzene
Concen: 146.120 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062930.D
Acq: 13 Aug 2020 23:45

Tgt Ion:	180	Resp:	268993
Ion Ratio	Lower	Upper	
180	100		
182	95.8	0.0	196.4
145	33.6	0.0	71.4

