

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063030.D
 Acq On : 20 Aug 2020 11:24
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 9:22:34 AM

Quant Time: Aug 20 13:59:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Aug 20 13:39:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	32777	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	170229	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	164057	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	69573	29.96	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.87%
60) 4-Bromofluorobenzene	12.38	95	80474	31.04	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.47%
63) Toluene-d8	10.06	98	226252	30.05	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.17%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	255023	108.822	ug/l 97
3) Chloromethane	2.03	50	276006	106.436	ug/l 98
4) Vinyl Chloride	2.16	62	275331	105.470	ug/l 99
5) Bromomethane	2.51	94	157860	98.100	ug/l 99
6) Chloroethane	2.66	64	160623	104.108	ug/l 98
7) Trichlorofluoromethane	2.98	101	322547	102.459	ug/l 99
8) Diethyl Ether	3.37	74	109062	104.165	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	165432	97.189	ug/l 100
10) 1,1-Dichloroethene	3.69	96	153321	100.240	ug/l 98
11) Methyl Iodide	3.91	142	235312	112.129	ug/l 98
12) Methyl Acetate	4.28	43	210467	103.231	ug/l 100
13) Acrolein	3.56	56	113834	544.777	ug/l 99
14) Acrylonitrile	4.93	53	472050	528.772	ug/l 98
15) Acetone	3.77	58	129043	499.448	ug/l 99
16) Carbon Disulfide	4.01	76	419531	102.171	ug/l 100
17) Allyl chloride	4.27	41	290391	103.466	ug/l 97
18) Methylene Chloride	4.50	84	197981	92.513	ug/l 98
19) trans-1,2-Dichloroethene	4.99	96	170321	101.265	ug/l 98
20) Diisopropyl ether	5.90	45	691277	105.162	ug/l 92
21) 1,1-Dichloroethane	5.80	63	359950	99.774	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	210079	100.790	ug/l 99
23) tert-Butyl Alcohol	4.74	59	144182	492.982	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	594904	106.020	ug/l 98
25) Chloroform	7.33	83	357218	99.426	ug/l 98
26) Cyclohexane	7.61	56	340238	109.555	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	255014	103.156	ug/l 99
30) 2-Butanone	6.78	43	586020	508.589	ug/l 100
31) 2,2-Dichloropropane	6.77	77	297665	99.060	ug/l 100
32) 1,1,1-Trichloroethane	7.53	97	295979	99.406	ug/l 100
33) Carbon Tetrachloride	7.73	117	253470	99.970	ug/l 95
34) Benzene	8.00	78	798262	100.762	ug/l # 90
35) Methacrylonitrile	7.12	41	113385	105.517	ug/l 95
36) 1,2-Dichloroethane	8.08	62	268510	99.346	ug/l 100
37) Trichloroethene	8.80	130	195208	100.615	ug/l 98
38) Methylcyclohexane	9.05	83	345838	111.533	ug/l 96
39) 1,2-Dichloropropane	9.08	63	231835	100.549	ug/l 99
40) Dibromomethane	9.17	93	132929	99.299	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	295954	99.764	ug/l	99
42) Vinyl Acetate	5.84	43	2238637	512.863	ug/l	100
43) Ethyl Acetate	6.88	43	219814	99.948	ug/l	97
44) Isopropyl Acetate	8.13	43	384175	104.054	ug/l	99
45) 1,4-Dioxane	9.17	88	74479	2153.866	ug/l	96
46) Methyl methacrylate	9.17	41	194504	107.002	ug/l	98
47) n-amyl Acetate	12.05	43	365930	111.669	ug/l	97
48) t-1,3-Dichloropropene	10.35	75	328211	104.757	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	355790	104.328	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	206446	100.020	ug/l	98
51) Ethyl methacrylate	10.40	69	311374	110.881	ug/l	99
52) 1,3-Dichloropropane	10.68	76	347493	101.902	ug/l	98
53) Dibromochloromethane	10.87	129	234444	103.507	ug/l	99
54) 1,2-Dibromoethane	10.98	107	202861	102.452	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	355527	616.355	ug/l	99
56) Bromoform	12.10	173	174987	105.503	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	1232726	522.334	ug/l	99
59) 2-Hexanone	10.72	43	883946	525.053	ug/l	97
61) Tetrachloroethene	10.60	164	176943	98.384	ug/l	98
62) Toluene	10.12	91	874698	100.601	ug/l	99
64) Chlorobenzene	11.41	112	549620	102.159	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	217235	101.873	ug/l	99
66) Ethyl Benzene	11.48	91	1012102	106.786	ug/l	99
67) m/p-Xylenes	11.60	106	764368	215.276	ug/l	99
68) o-Xylene	11.92	106	367583	107.773	ug/l	99
69) Styrene	11.94	104	658305	110.488	ug/l	99
70) Isopropylbenzene	12.22	105	1000285	107.809	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.48	83	300014	100.831	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	273467m	106.343	ug/l	
73) Bromobenzene	12.50	156	259142	103.569	ug/l	99
74) n-propylbenzene	12.57	91	1207055	108.452	ug/l	100
75) 2-Chlorotoluene	12.65	91	700302	105.572	ug/l	100
76) 1,3,5-Trimethylbenzene	12.71	105	866394	109.419	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	104770	112.280	ug/l	93
78) 4-Chlorotoluene	12.75	91	734427	107.386	ug/l	99
79) tert-butylbenzene	12.97	119	722521	108.449	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	859690	111.539	ug/l	99
81) sec-Butylbenzene	13.15	105	1011998	110.270	ug/l	100
82) p-Isopropyltoluene	13.26	119	914630	112.416	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	471550	107.938	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	463064	108.452	ug/l	99
85) n-Butylbenzene	13.59	91	786541	116.329	ug/l	97
86) Hexachloroethane	13.85	117	170014	106.097	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	452298	108.101	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	50710	107.448	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	244423	118.375	ug/l	99
90) Hexachlorobutadiene	14.98	225	156483	102.389	ug/l	98
91) Naphthalene	15.10	128	546321	119.740	ug/l	98
92) 1,2,3-Trichlorobenzene	15.28	180	239024	115.951	ug/l	99

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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

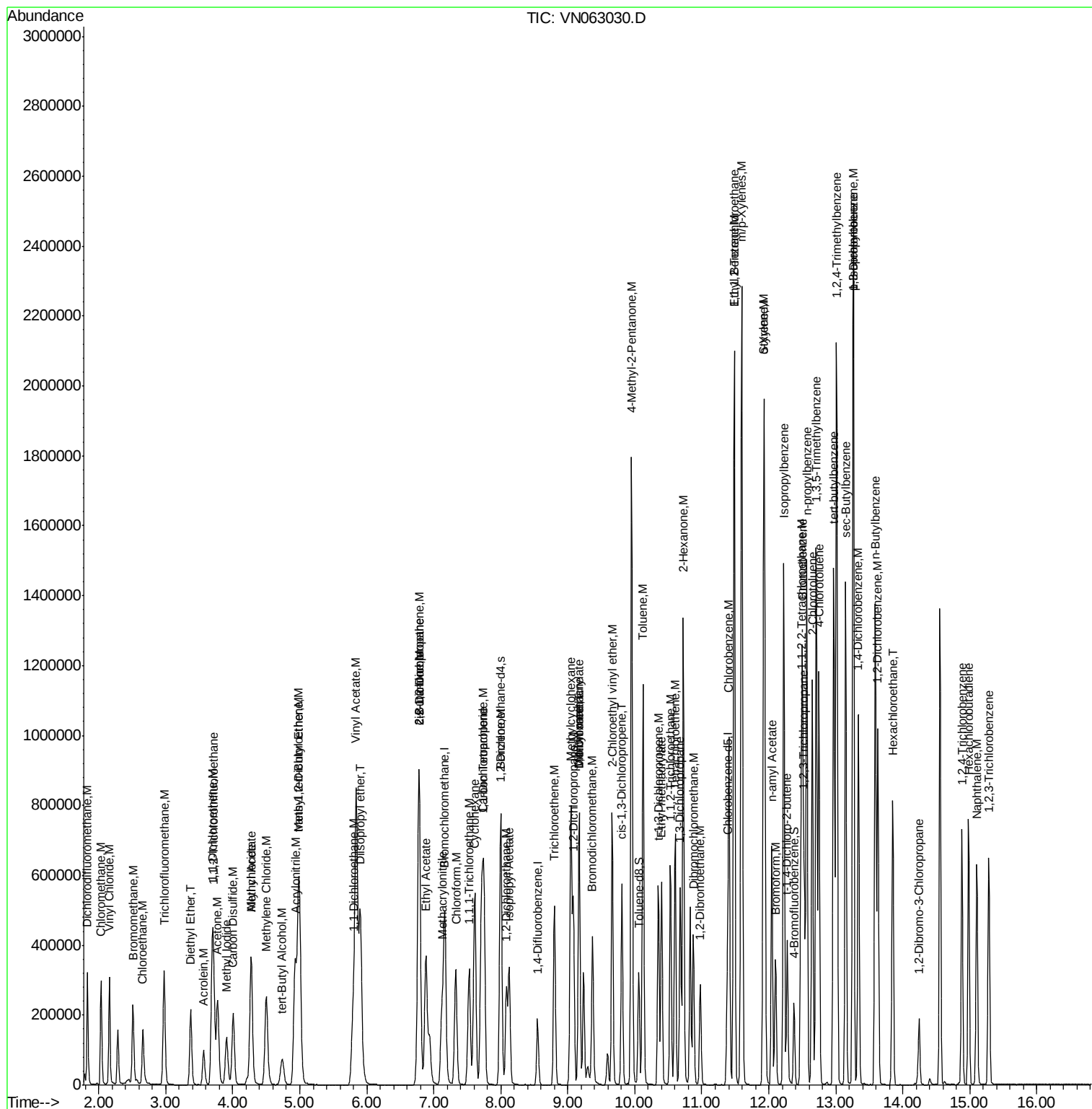
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
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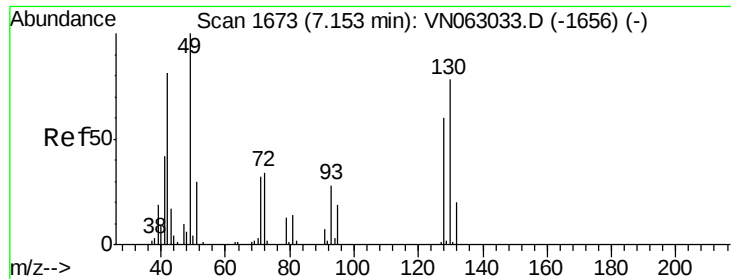
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

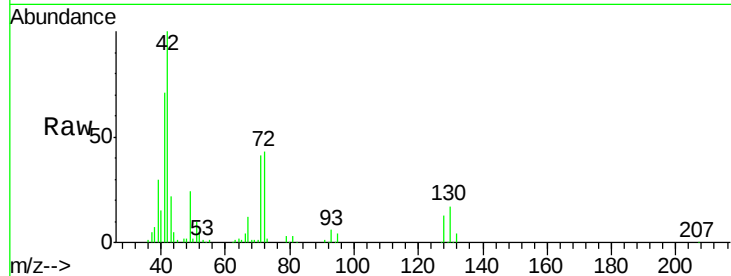
ClientSampleId :

VSTDIC100

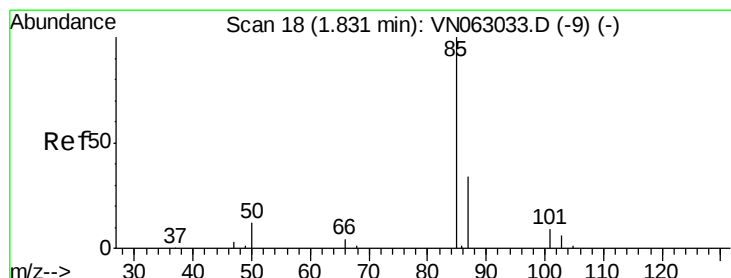
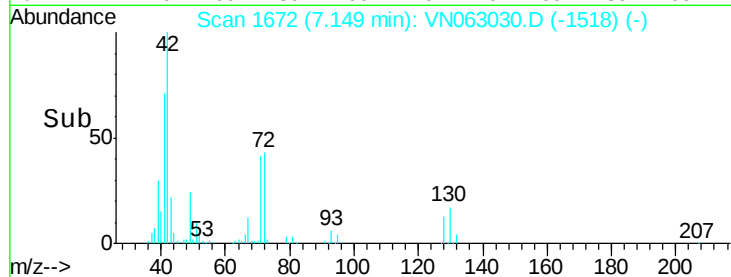
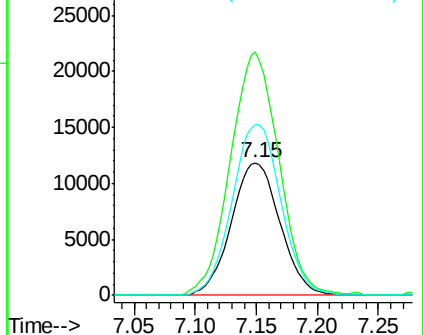
Tot Ion:	128	Resp:	32777
Ion	Ratio	Lower	Upper
128	100		
49	182.6	0.0	437.5
130	129.2	0.0	327.3

Manual Integrations
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8/21/2020 9:22:34 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: 108.822 ug/l

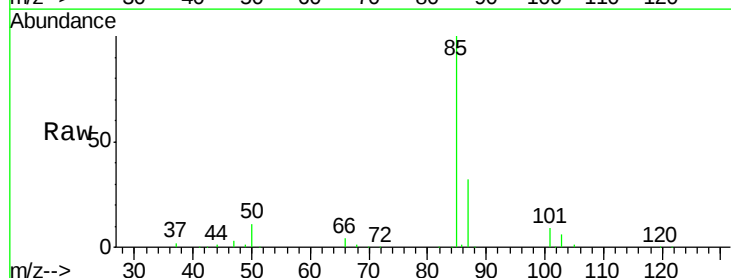
RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

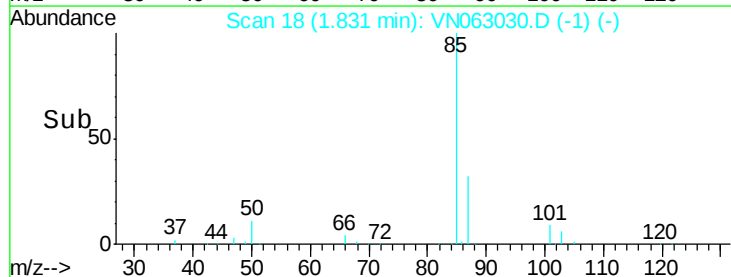
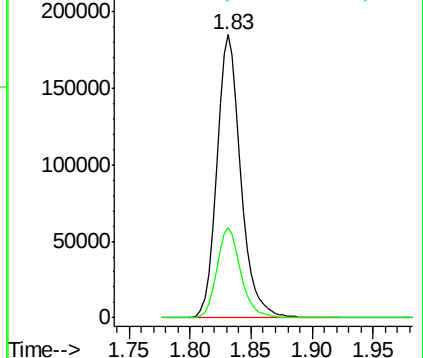
Lab File: VN063030.D

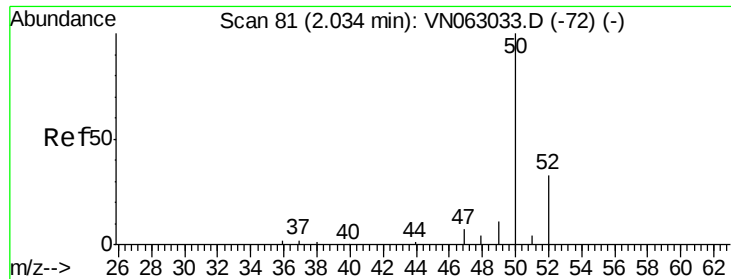
Acq: 20 Aug 2020 11:24

Tgt Ion:	85	Resp:	255023
Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.9	50.6



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 106.436 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 276006

Ion Ratio Lower Upper

50 100

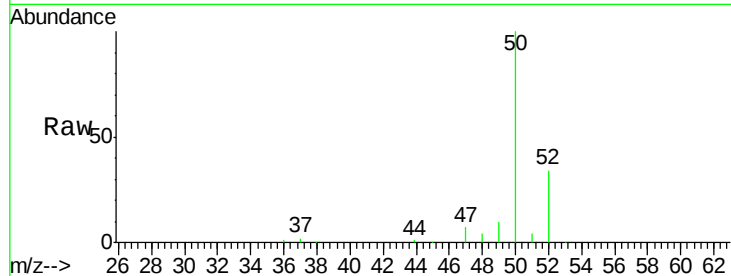
52 33.7 26.0 39.0

Manual Integrations

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MMDadoda

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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.03

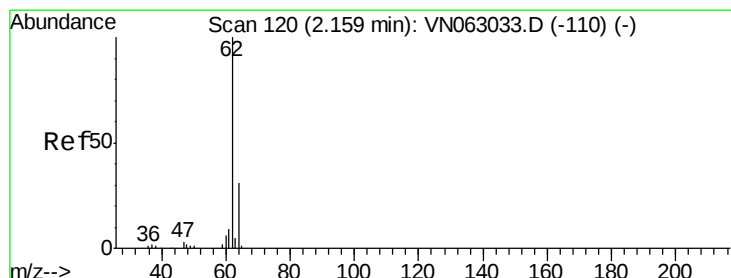
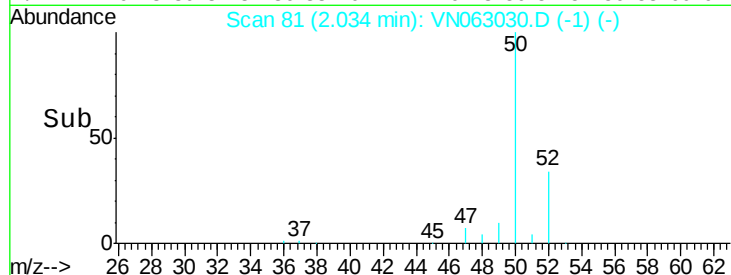
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 105.470 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN063030.D

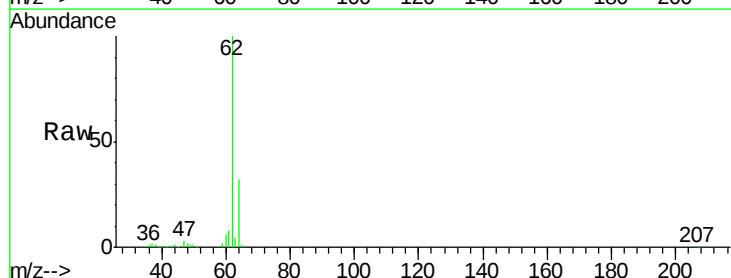
Acq: 20 Aug 2020 11:24

Tgt Ion: 62 Resp: 275331

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.16

200000

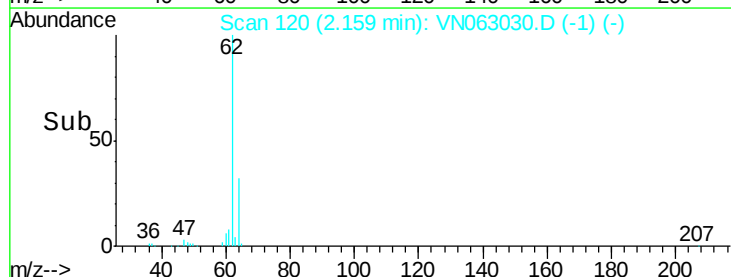
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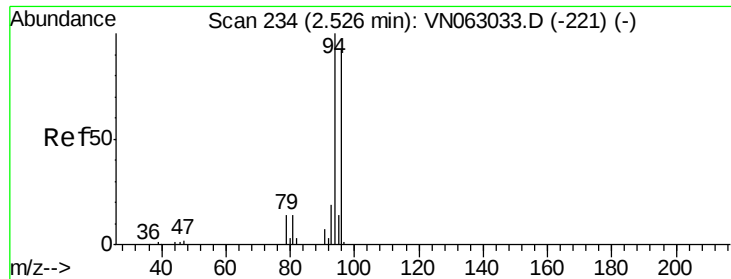
100000

50000

0

Time-->





#5

Bromomethane

Concen: 98.100 ug/l

RT: 2.51 min Scan# 229

Delta R.T. -0.02 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 157860

Ion Ratio Lower Upper

94 100

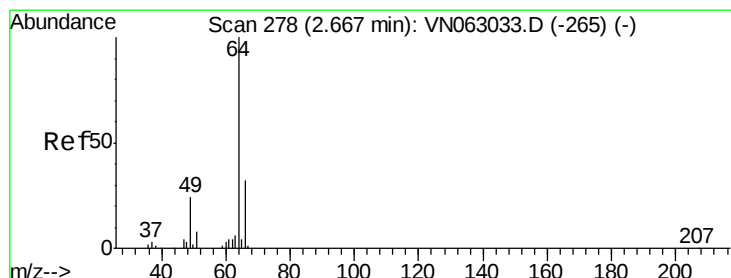
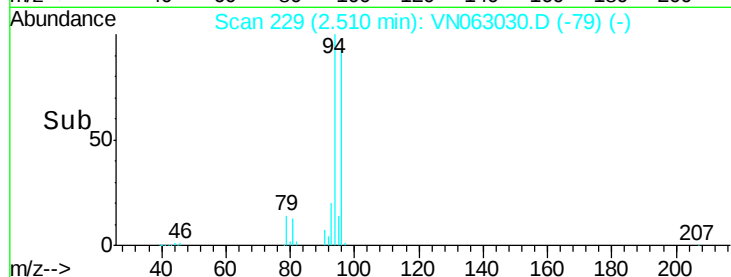
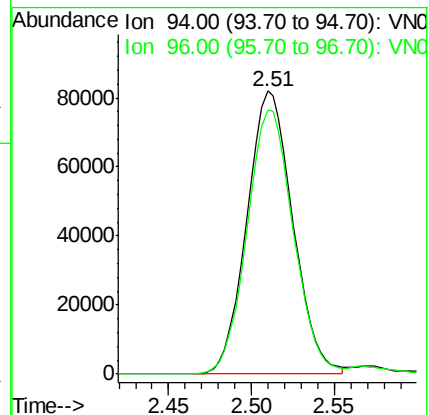
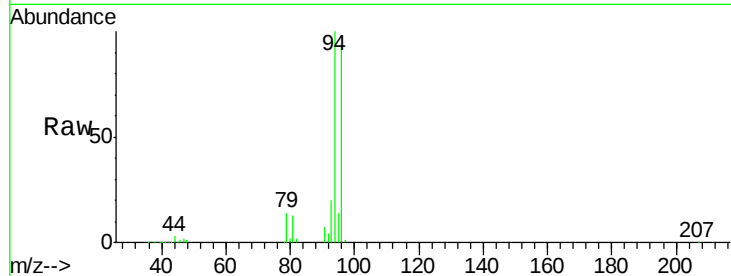
96 93.3 74.0 111.0

Manual Integrations

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8/21/2020 9:22:34 AM



#6

Chloroethane

Concen: 104.108 ug/l

RT: 2.66 min Scan# 275

Delta R.T. -0.01 min

Lab File: VN063030.D

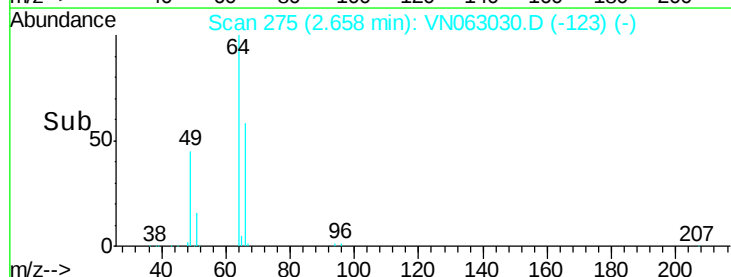
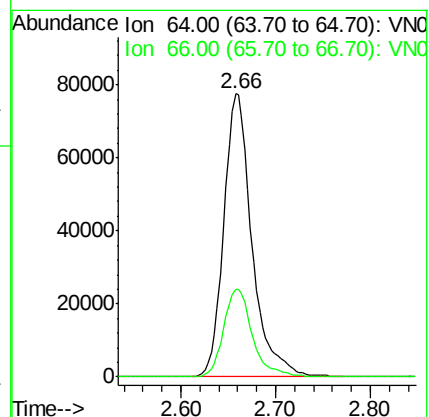
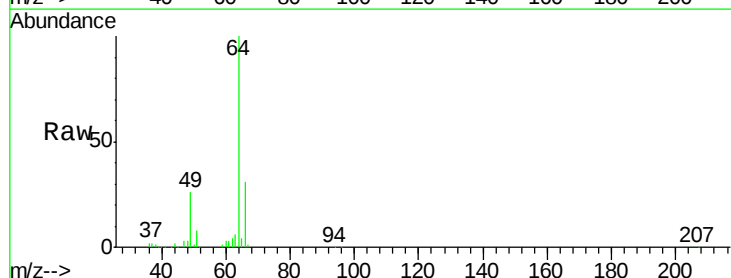
Acq: 20 Aug 2020 11:24

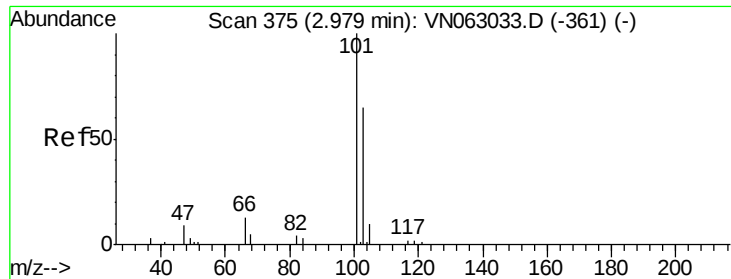
Tgt Ion: 64 Resp: 160623

Ion Ratio Lower Upper

64 100

66 30.9 25.8 38.8





#7

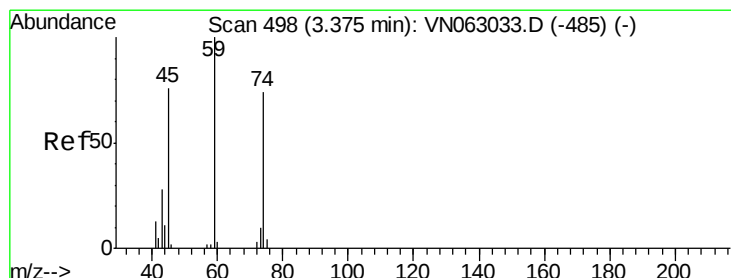
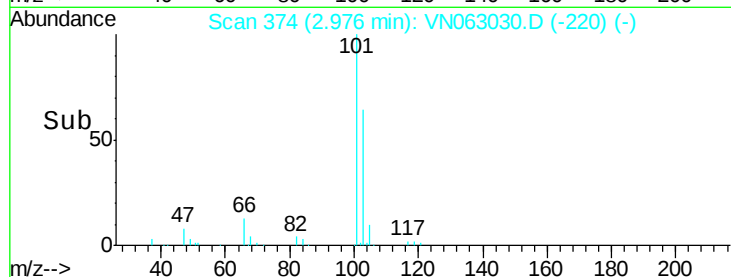
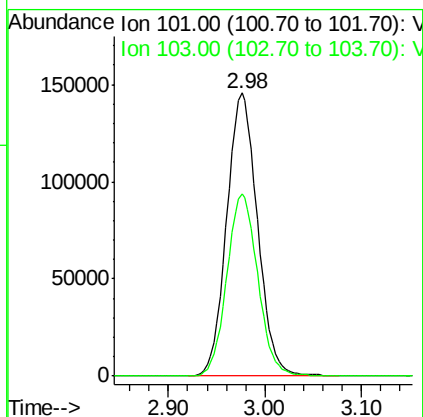
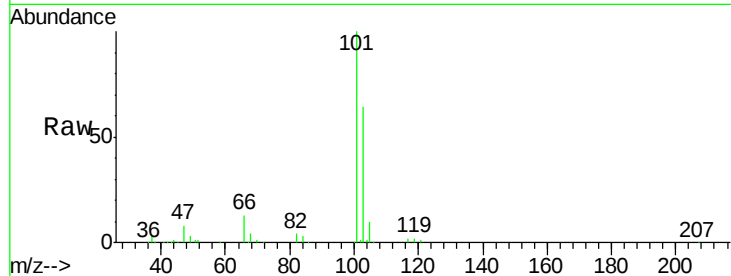
Trichlorofluoromethane
 Concen: 102.459 ug/l
 RT: 2.98 min Scan# 374
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	322547		
103	64.4	51.9	77.9	

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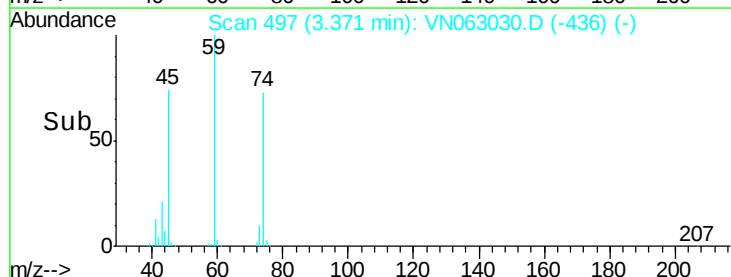
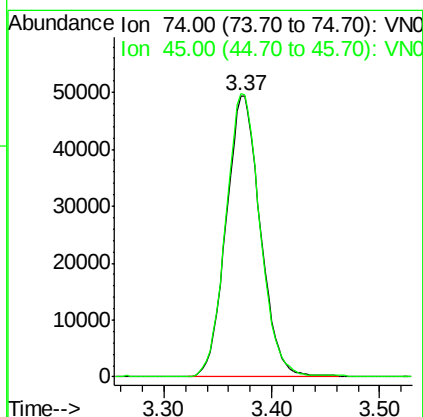
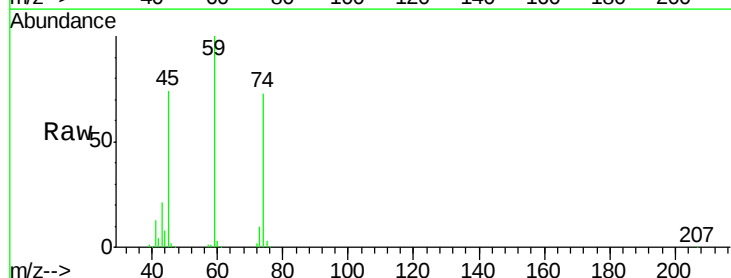
MMDadoda
 8/21/2020 9:22:34 AM

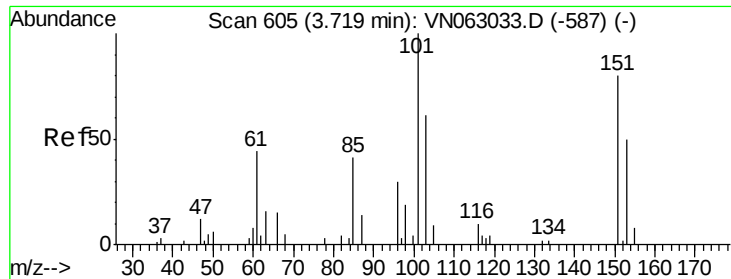


#8

Diethyl Ether
 Concen: 104.165 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	109062		
45	100.8	20.6	185.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 97.189 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

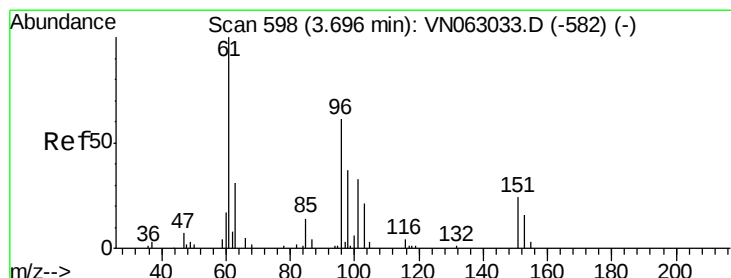
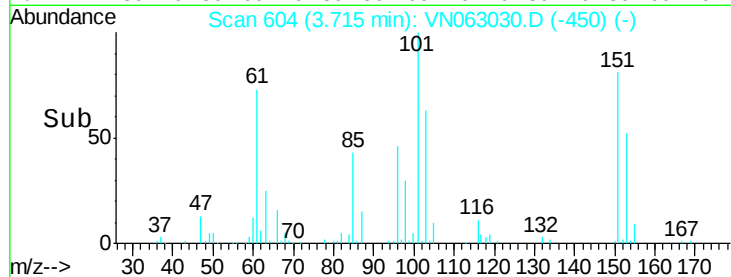
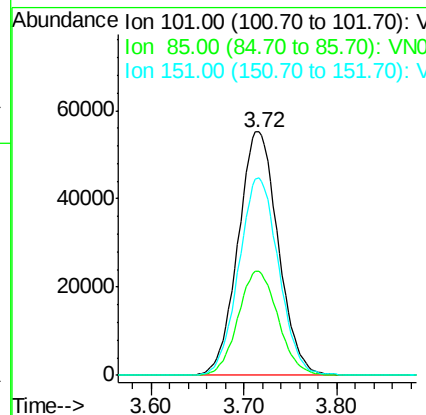
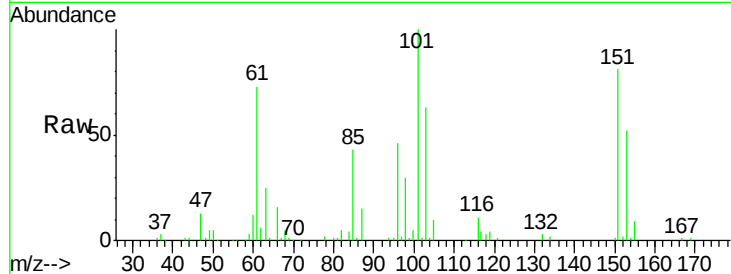
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	165432
Ion Ratio	Lower	Upper	
101	100		
85	42.8	0.0	85.0
151	80.6	0.0	161.6

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#10

1,1-Dichloroethene

Concen: 100.240 ug/l

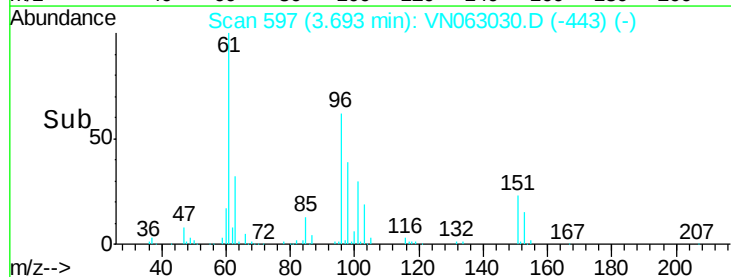
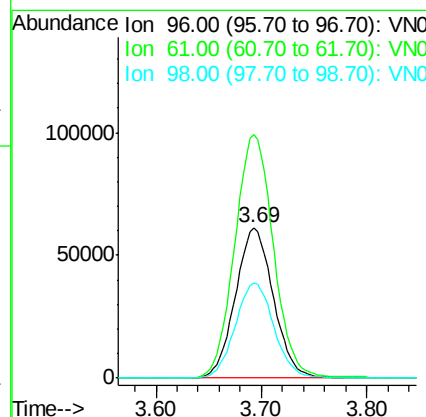
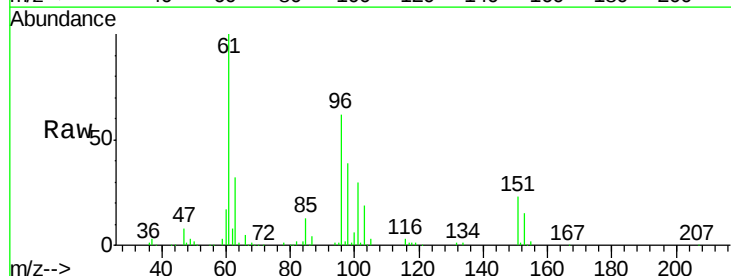
RT: 3.69 min Scan# 597

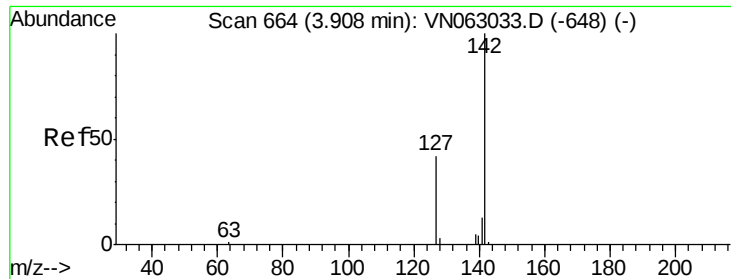
Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Tgt Ion:	96	Resp:	153321
Ion Ratio	Lower	Upper	
96	100		
61	161.6	130.8	196.2
98	62.9	49.0	73.4





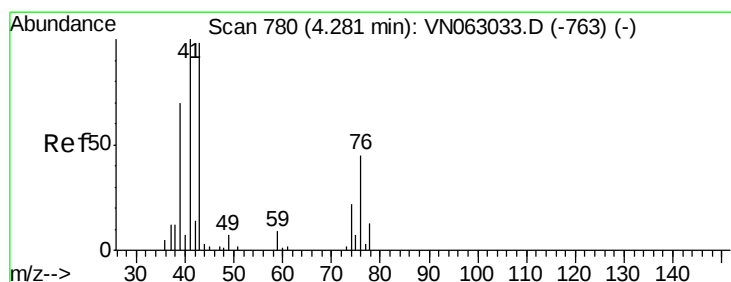
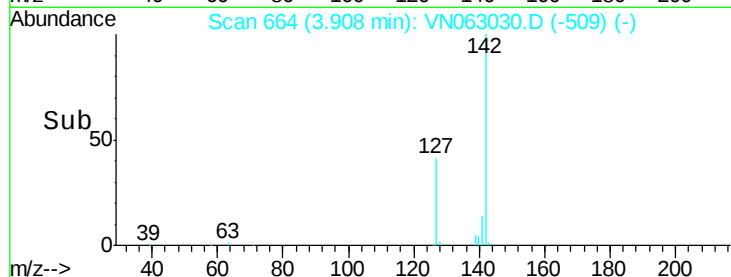
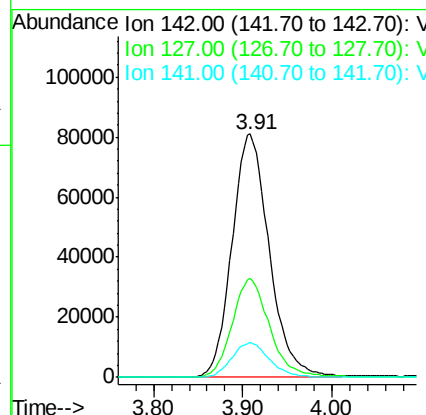
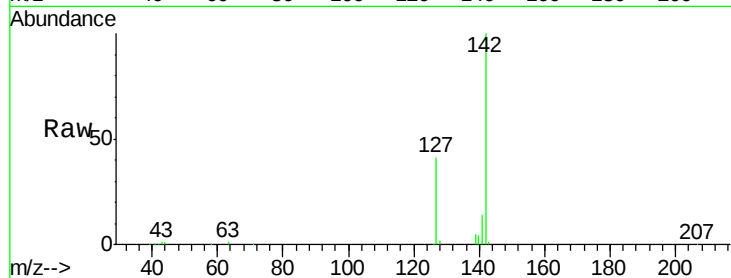
#11
Methvl Iodide
Concen: 112.129 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.6	20.9	62.8
141	14.5	6.7	20.1

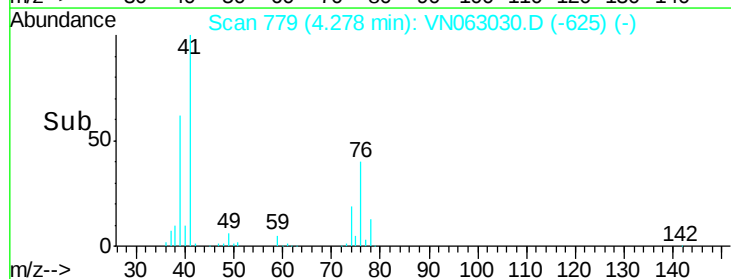
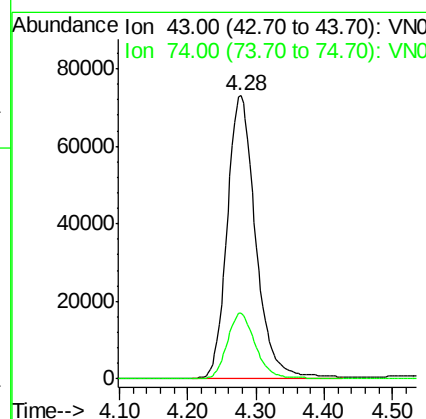
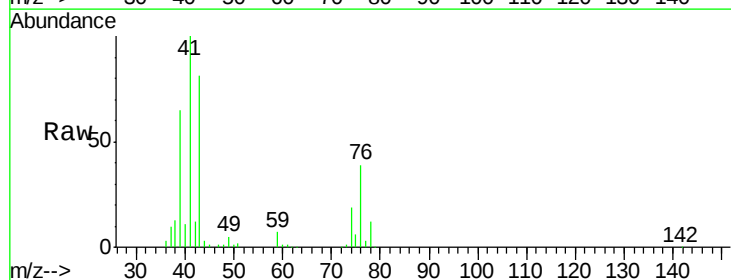
Manual Integrations
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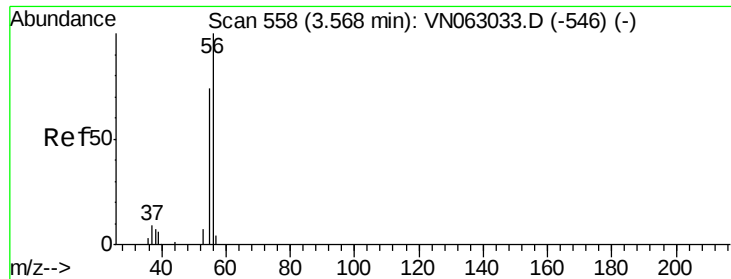
MMDadoda
8/21/2020 9:22:34 AM



#12
Methyl Acetate
Concen: 103.231 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.6	27.8





#13

Acrolein

Concen: 544.777 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 56 Resp: 113834

Ion Ratio Lower Upper

56 100

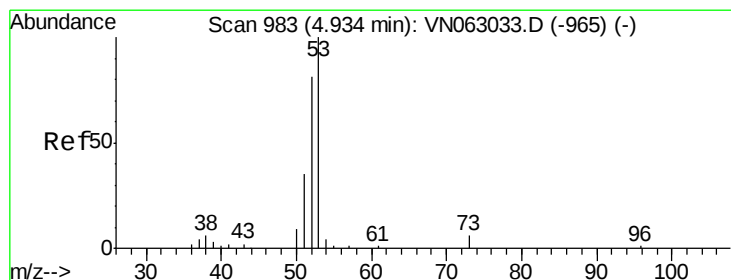
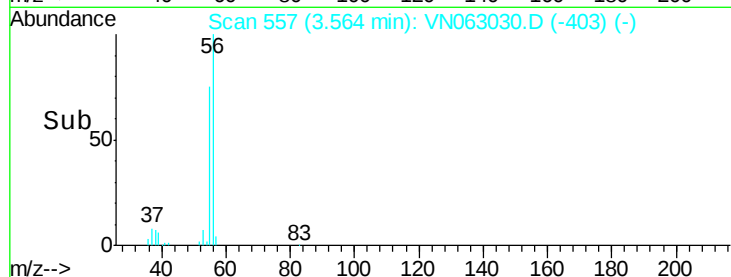
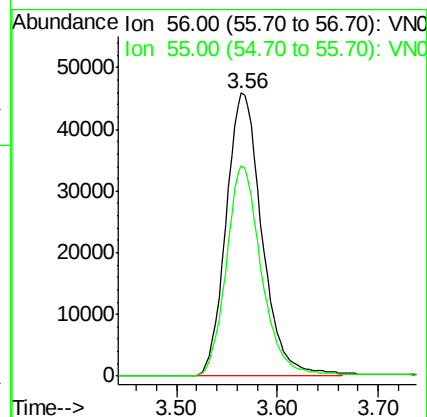
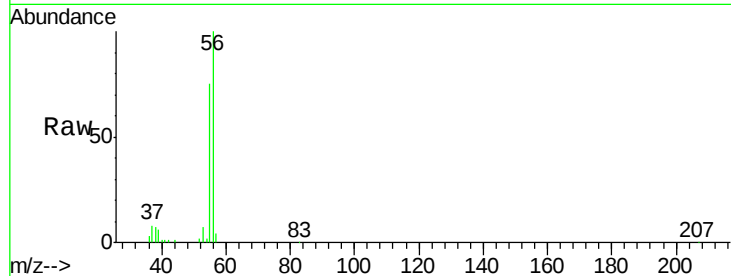
55 72.7 58.7 88.1

Manual Integrations

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#14

Acrylonitrile

Concen: 528.772 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.01 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

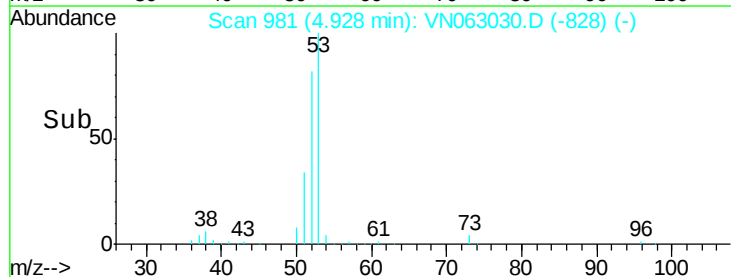
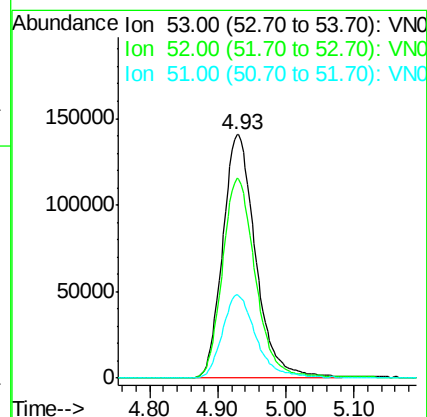
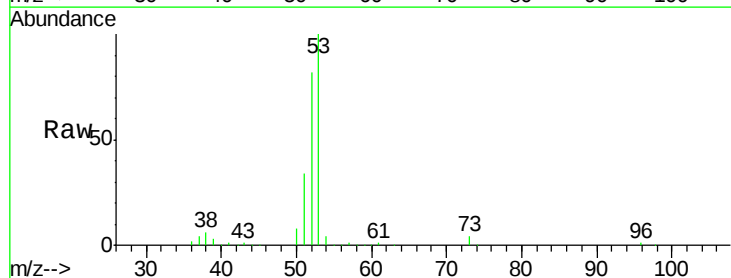
Tgt Ion: 53 Resp: 472050

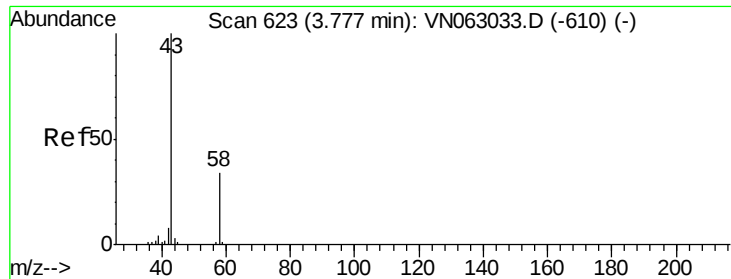
Ion Ratio Lower Upper

53 100

52 81.5 39.9 119.7

51 35.2 17.0 51.0





#15

Acetone

Concen: 499.448 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 58 Resp: 129043

Ion Ratio Lower Upper

58 100

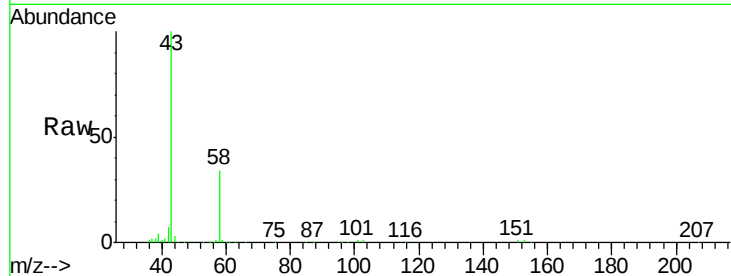
43 294.0 233.2 349.8

Manual Integrations

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

150000

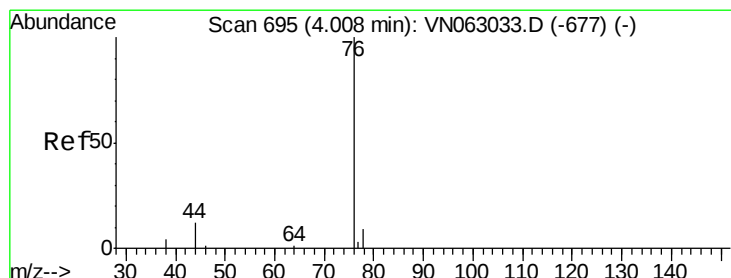
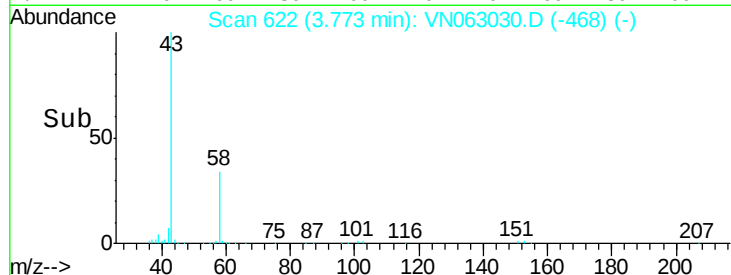
100000

50000

0

3.70 3.80 3.90

Time-->



#16

Carbon Disulfide

Concen: 102.171 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN063030.D

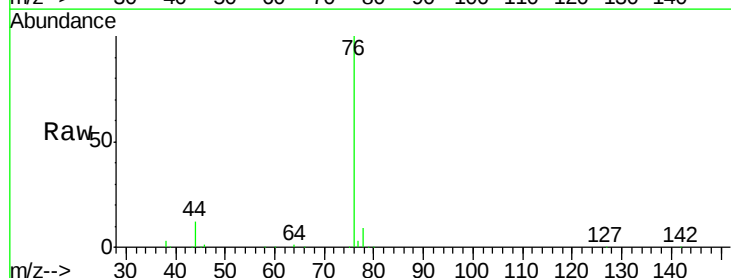
Acq: 20 Aug 2020 11:24

Tgt Ion: 76 Resp: 419531

Ion Ratio Lower Upper

76 100

78 8.8 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

150000

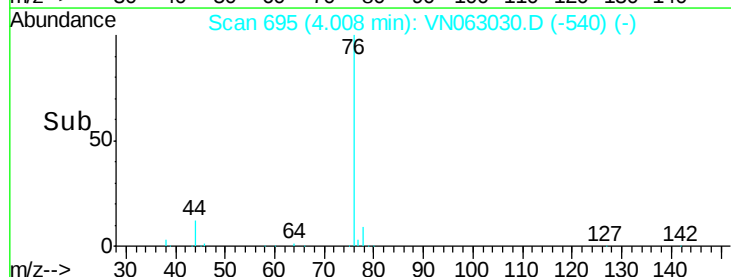
100000

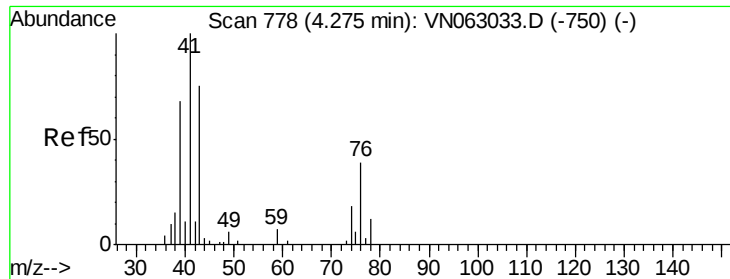
50000

0

3.90 4.00 4.10 4.20

Time-->





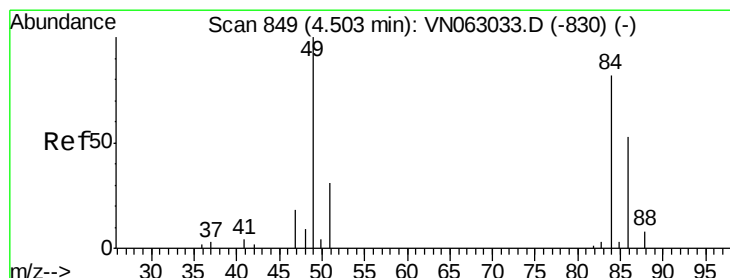
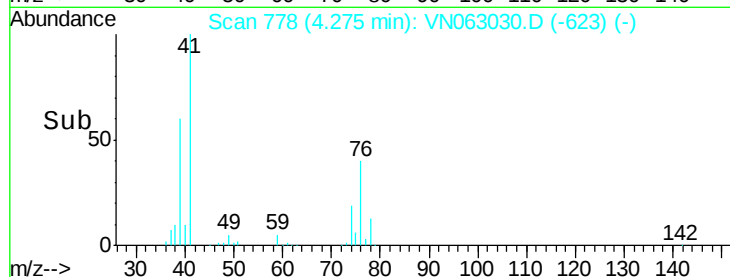
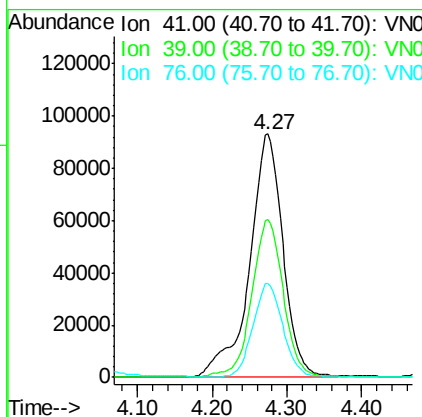
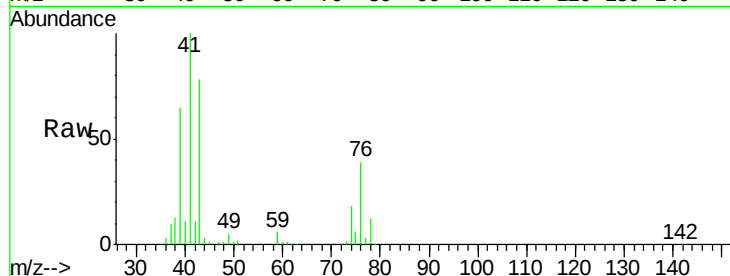
#17
Allvl chloride
Concen: 103.466 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	41	Resp:	290391
Ion Ratio	Lower	Upper	
41	100		
39	64.7	33.8	101.4
76	38.3	19.4	58.4

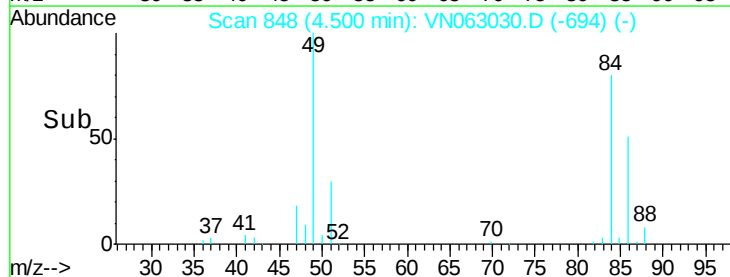
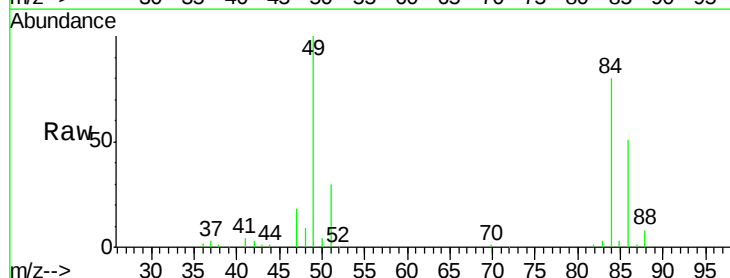
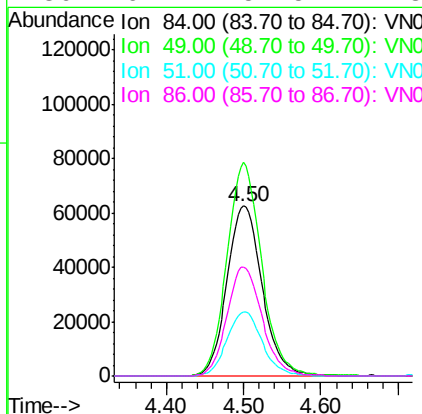
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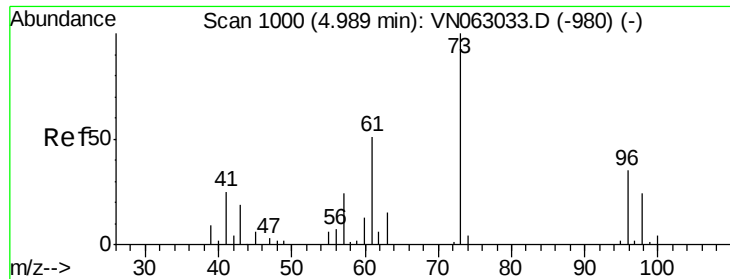
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#18
Methylene Chloride
Concen: 92.513 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion:	84	Resp:	197981
Ion Ratio	Lower	Upper	
84	100		
49	125.6	97.8	146.8
51	37.8	30.7	46.1
86	64.2	51.5	77.3





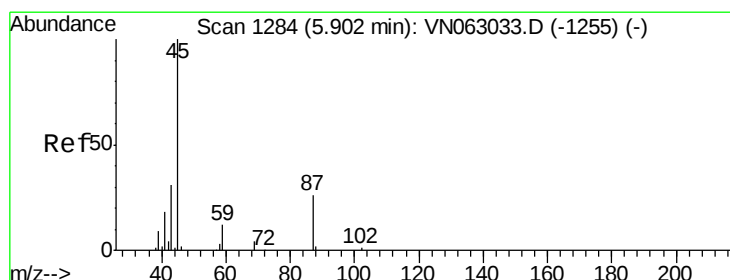
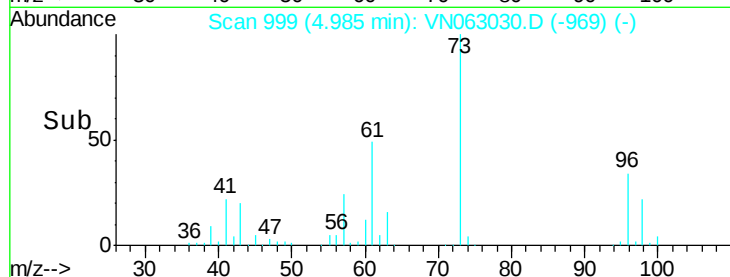
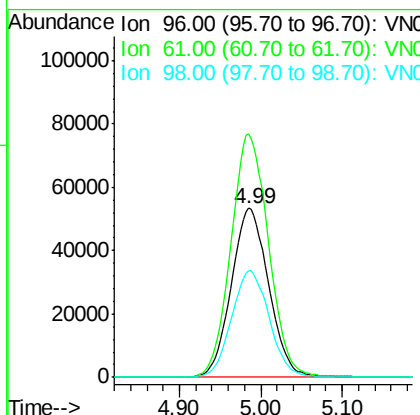
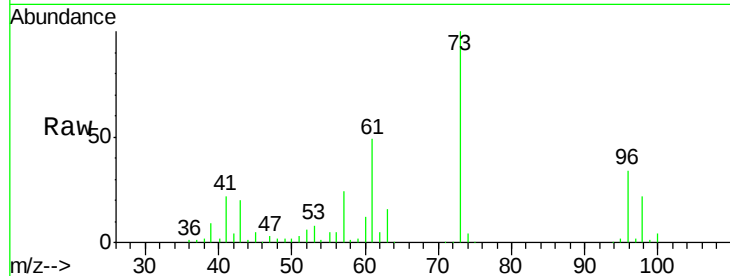
#19
trans-1,2-Dichloroethene
Concen: 101.265 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		170321		
61	144.2		115.9	173.9	
98	63.1		53.3	79.9	

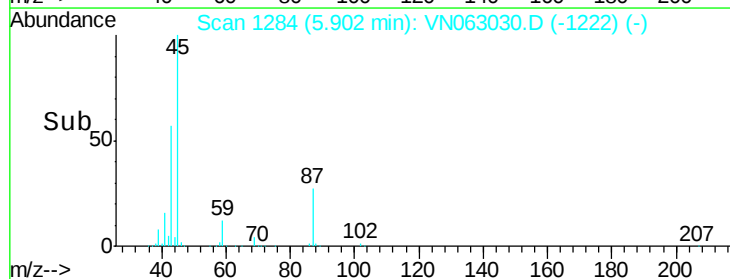
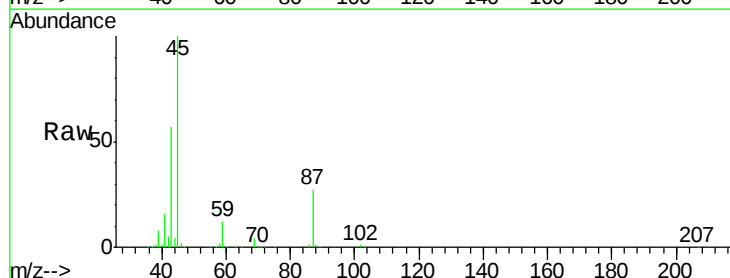
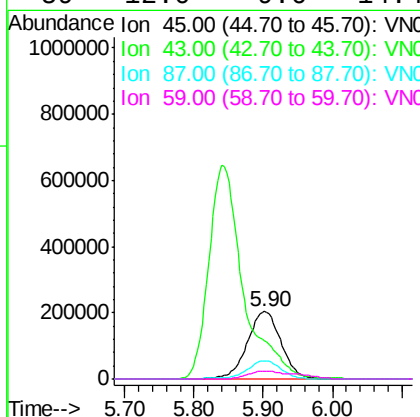
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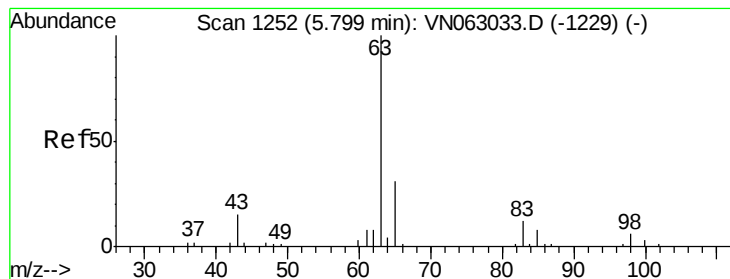
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#20
Diisopropyl ether
Concen: 105.162 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		691277		
43	55.5		51.8	77.6	
87	26.6		21.8	32.6	
59	12.0		9.6	14.4	





#21

1,1-Dichloroethane

Concen: 99.774 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

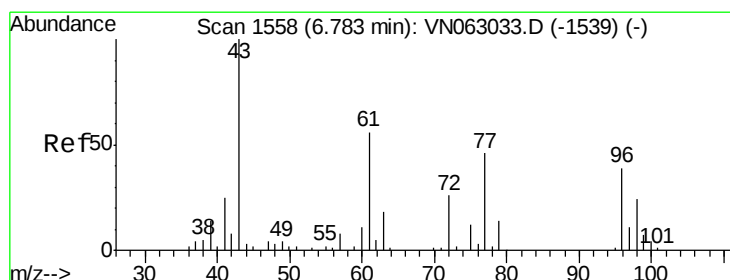
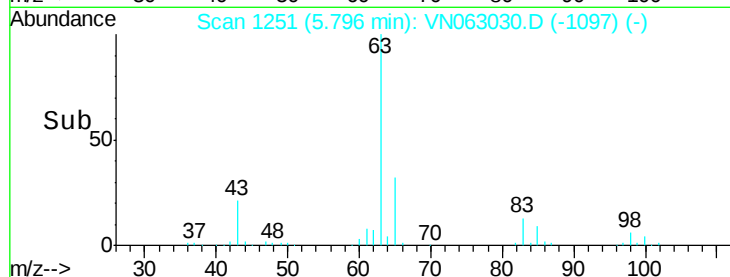
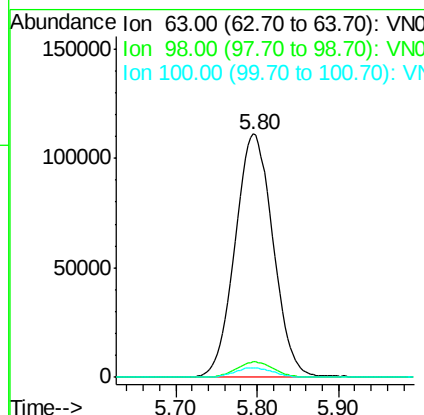
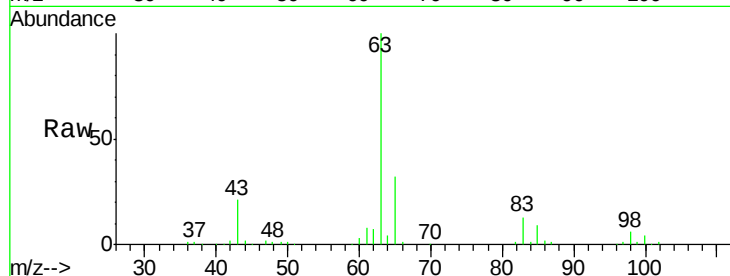
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.3	3.1	9.3	
100	3.8	1.8	5.3	

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 100.790 ug/l

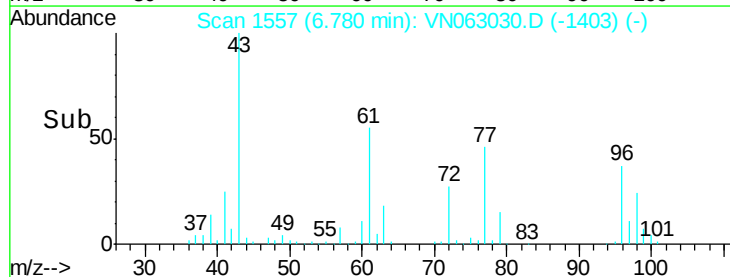
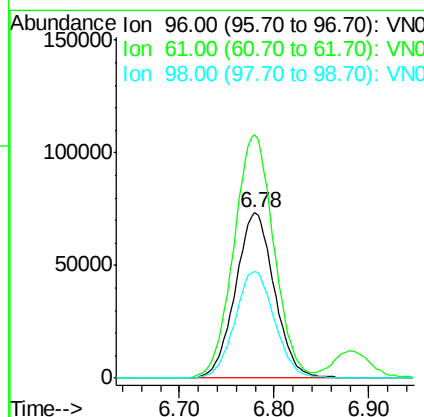
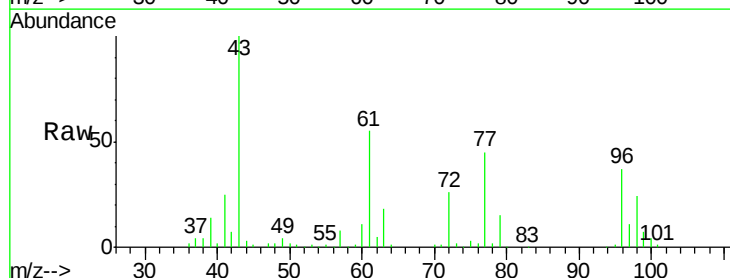
RT: 6.78 min Scan# 1557

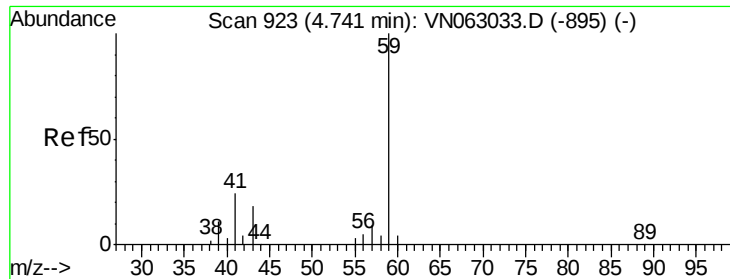
Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.0	120.9	181.3	
98	65.7	50.3	75.5	





#23

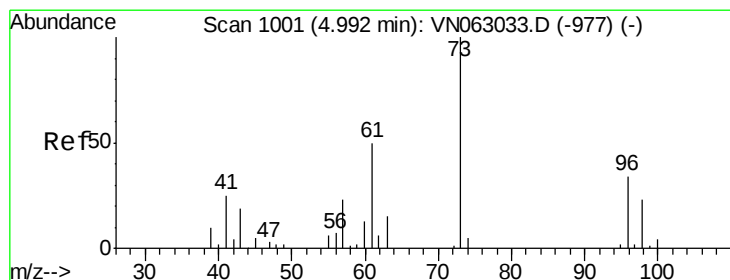
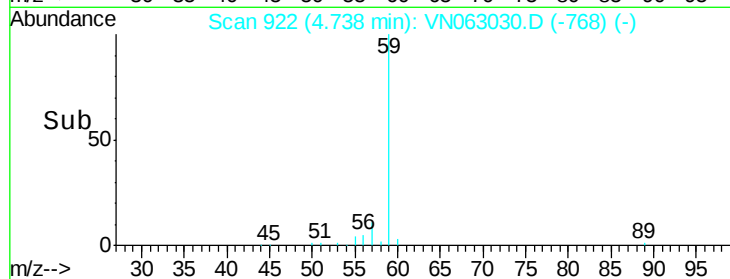
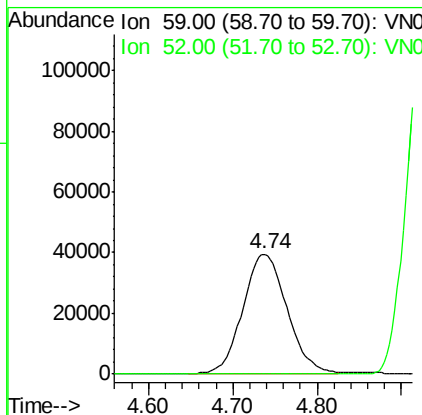
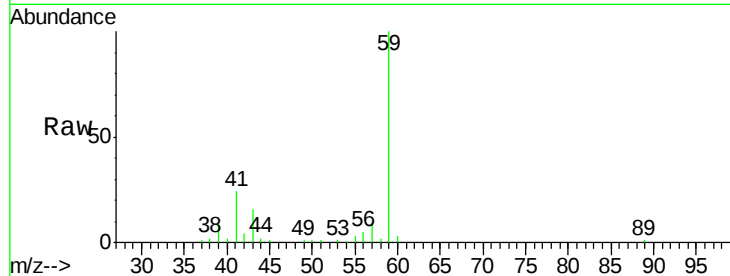
tert-Butyl Alcohol
 Concen: 492.982 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	59	52
144182	100	0.0
Resp: 144182	Lower	Upper
	0.0	0.0

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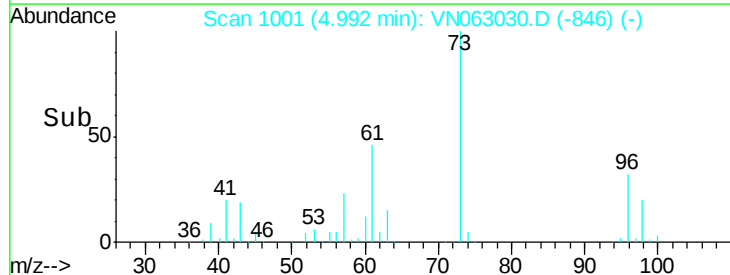
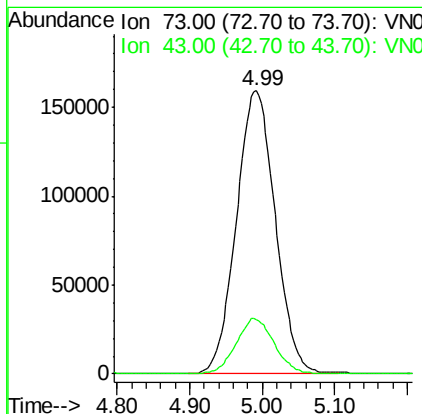
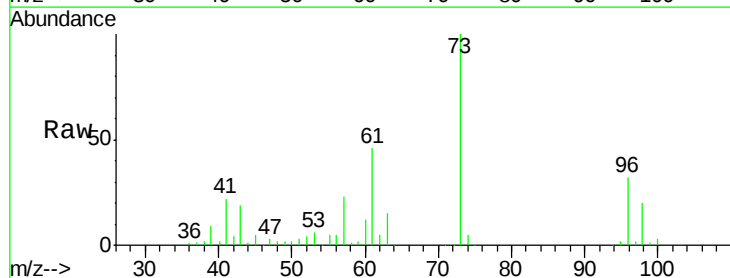
MMDadoda
 8/21/2020 9:22:34 AM

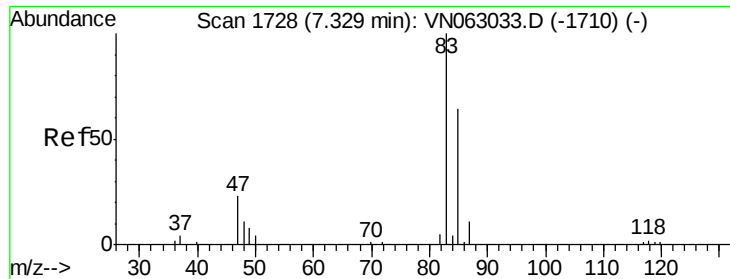


#24

Methyl tert-Butyl Ether
 Concen: 106.020 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion	73	43
594904	100	18.9
Resp: 594904	Lower	Upper
	15.8	23.6





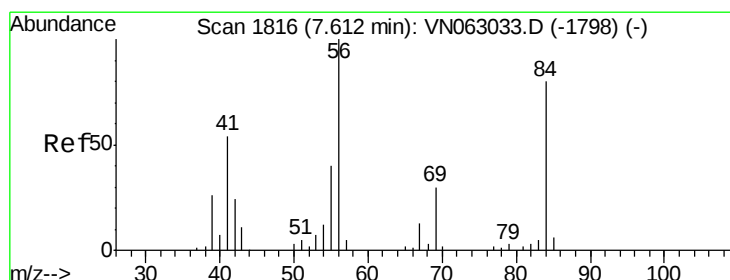
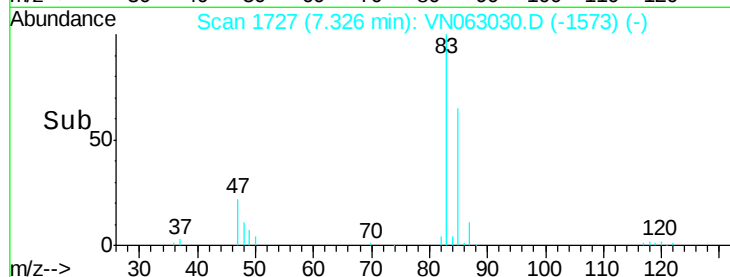
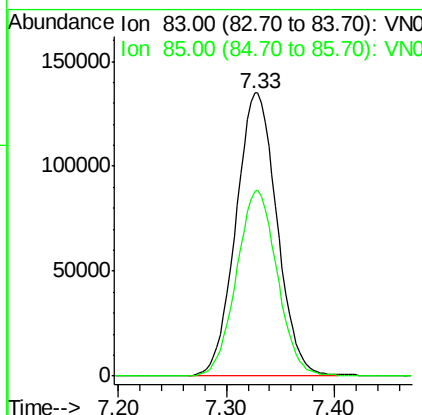
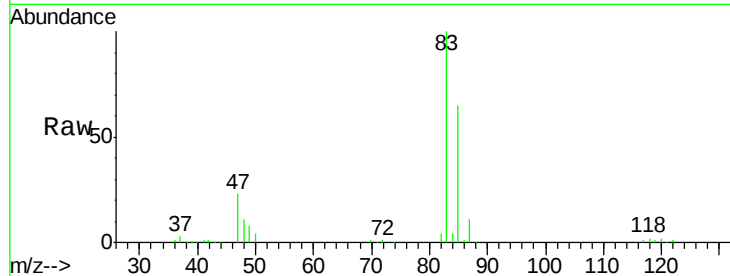
#25
Chloroform
Concen: 99.426 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83	Resp	357218
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	51.0	76.4

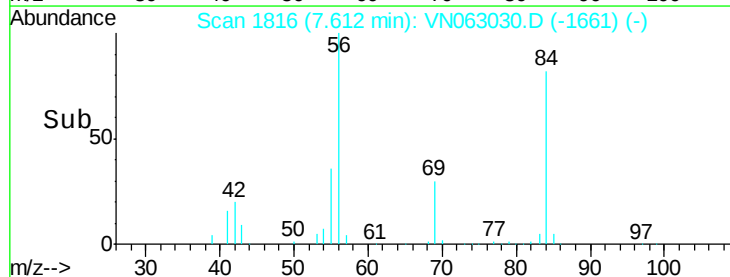
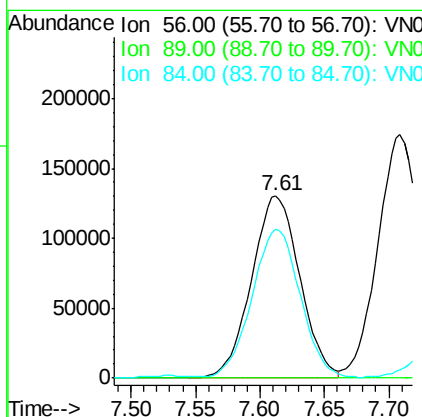
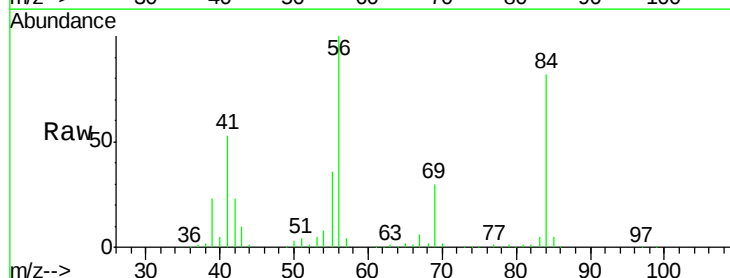
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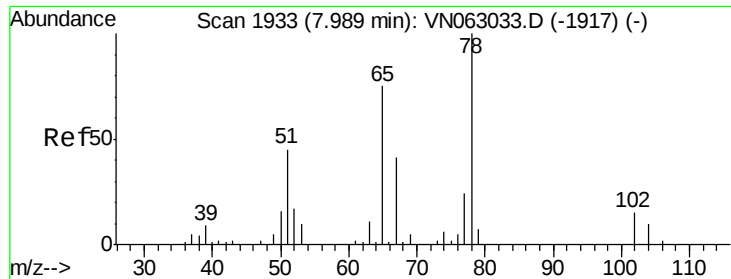
MMDadoda
8/21/2020 9:22:34 AM



#26
Cyclohexane
Concen: 109.555 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion	56	Resp	340238
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	82.3	65.0	97.4





#27

1,2-Dichloroethane-d4

Concen: 29.958 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 69573

Ion Ratio Lower Upper

65 100

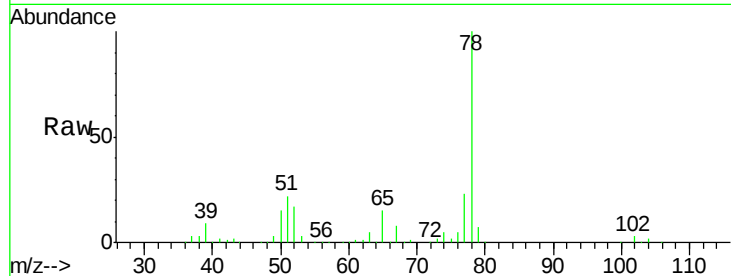
67 54.2 43.8 65.6

Manual Integrations

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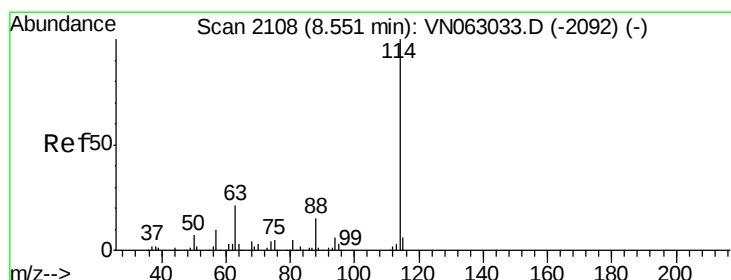
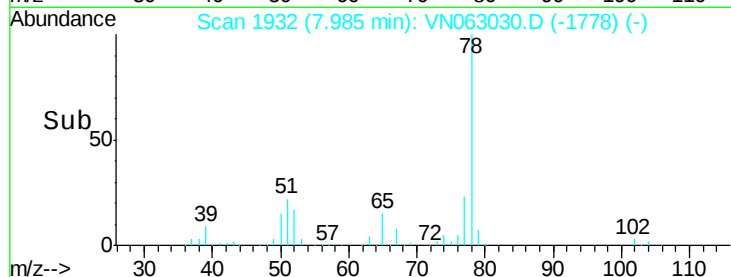
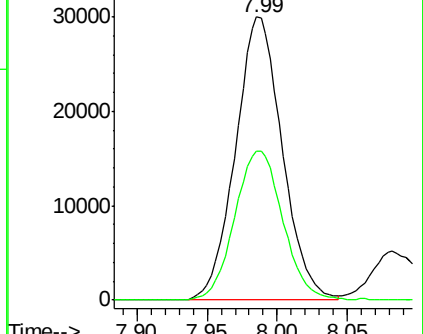
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Abundance Ion 65.00 (64.70 to 65.70): VN063033.D (-1917) (-)

Ion 67.00 (66.70 to 67.70): VN063033.D (-1917) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

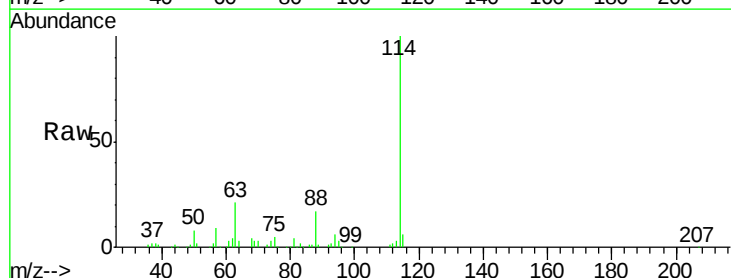
Tgt Ion: 114 Resp: 170229

Ion Ratio Lower Upper

114 100

63 20.6 17.0 25.6

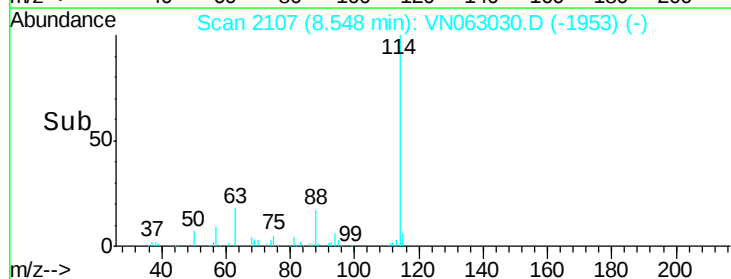
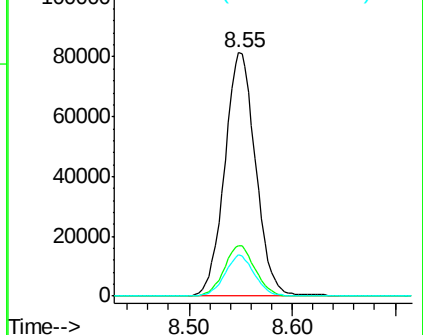
88 16.2 12.6 18.8

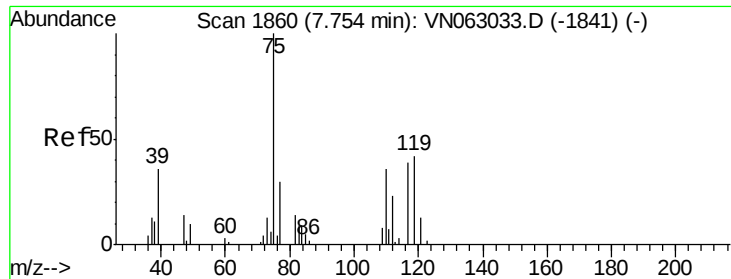


Abundance Ion 114.00 (113.70 to 114.70): VN063033.D (-2092) (-)

Ion 63.00 (62.70 to 63.70): VN063033.D (-2092) (-)

Ion 88.00 (87.70 to 88.70): VN063033.D (-2092) (-)





#29

1,1-Dichloropropene

Concen: 103.156 ug/l

RT: 7.75 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

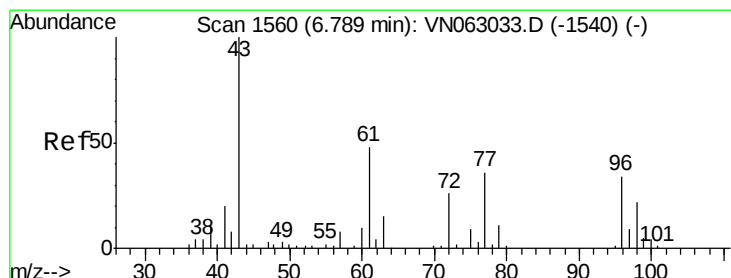
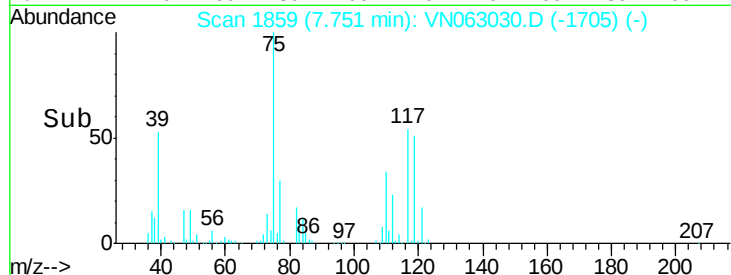
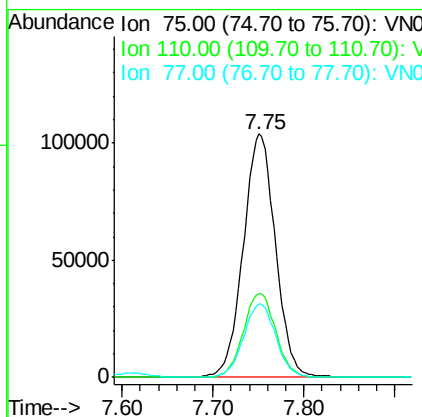
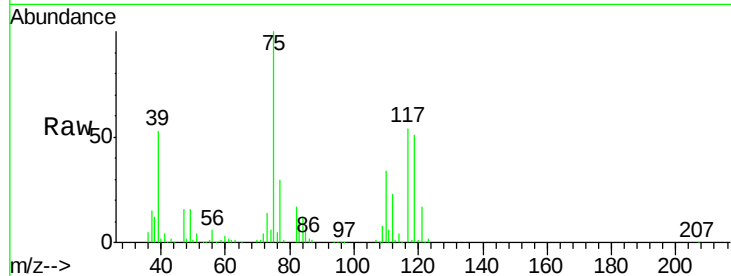
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	255014
Ion Ratio	Lower	Upper	
75	100		
110	34.5	0.0	70.6
77	30.7	0.0	60.2

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#30

2-Butanone

Concen: 508.589 ug/l

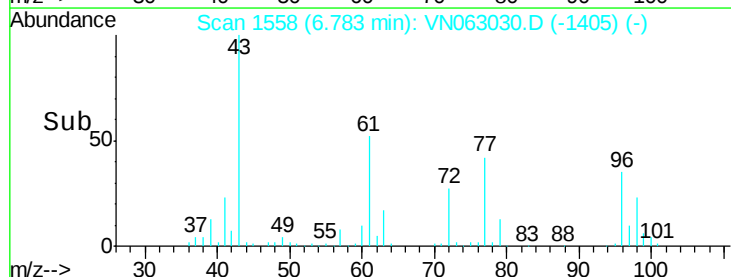
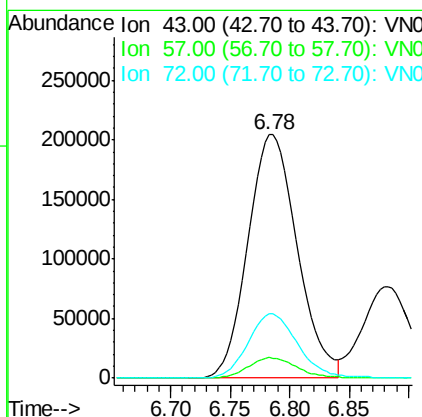
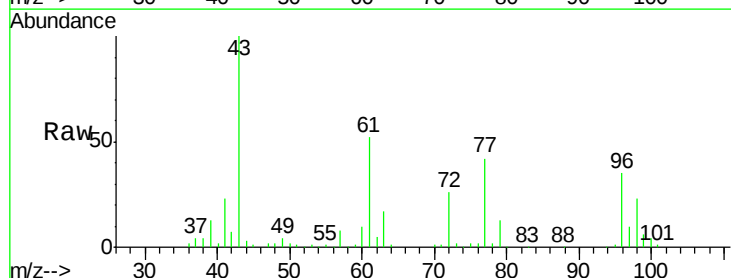
RT: 6.78 min Scan# 1558

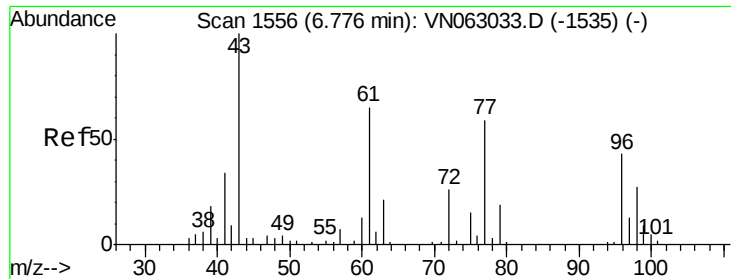
Delta R.T. -0.01 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Tgt Ion:	43	Resp:	586020
Ion Ratio	Lower	Upper	
43	100		
57	8.4	6.6	9.8
72	26.7	21.3	31.9





#31

2,2-Dichloropropane

Concen: 99.060 ug/l

RT: 6.77 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 77 Resp: 297665

Ion Ratio Lower Upper

77 100

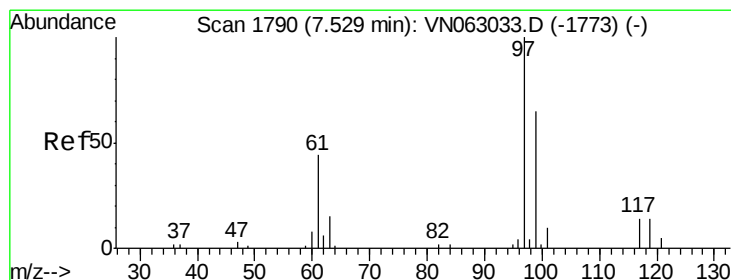
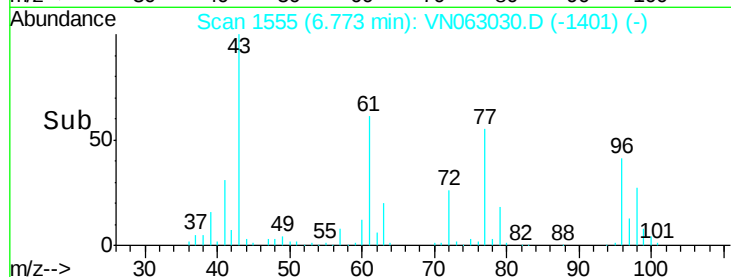
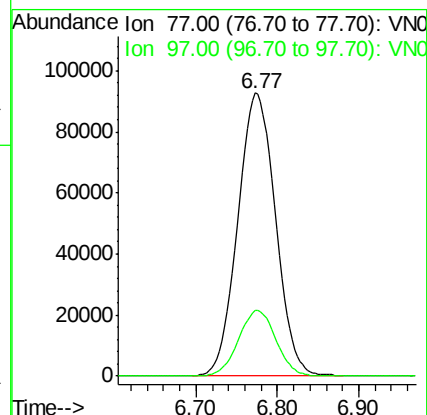
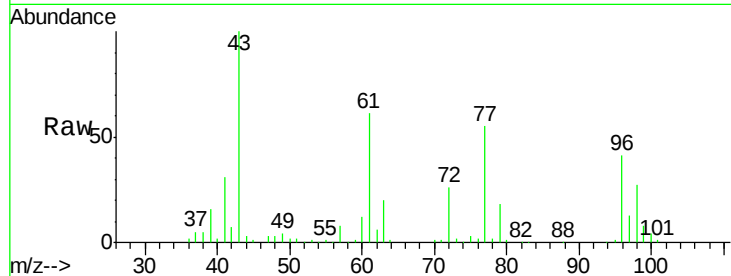
97 23.0 18.2 27.4

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#32

1,1,1-Trichloroethane

Concen: 99.406 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

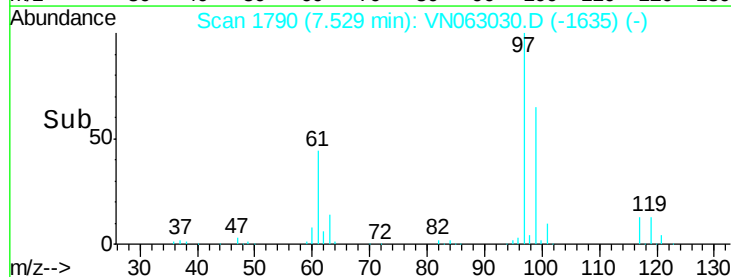
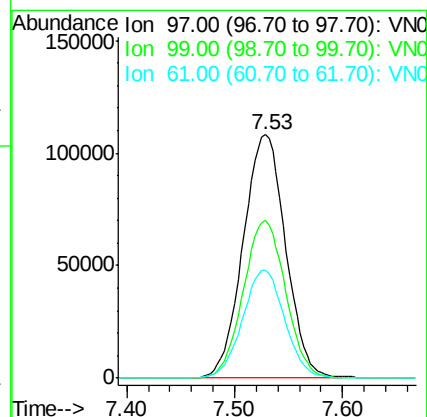
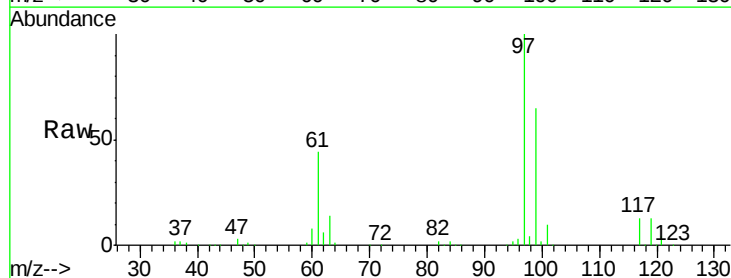
Tgt Ion: 97 Resp: 295979

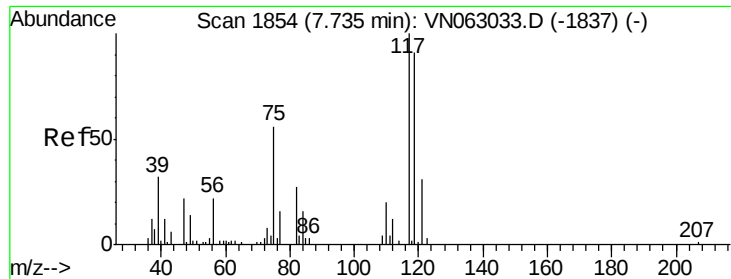
Ion Ratio Lower Upper

97 100

99 64.8 51.7 77.5

61 44.1 35.3 52.9





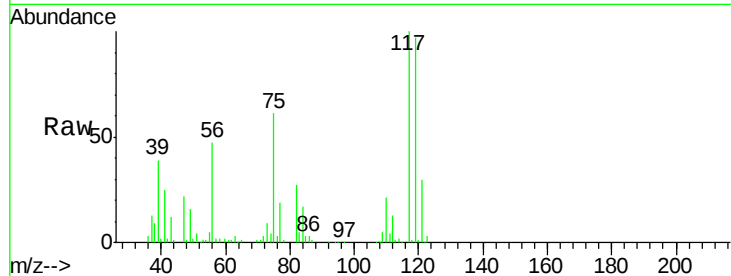
#33
Carbon Tetrachloride
Concen: 99.970 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

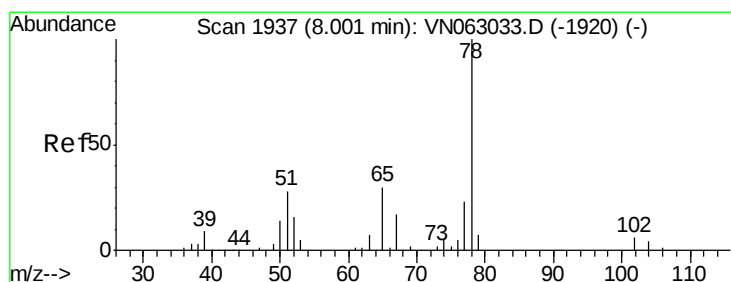
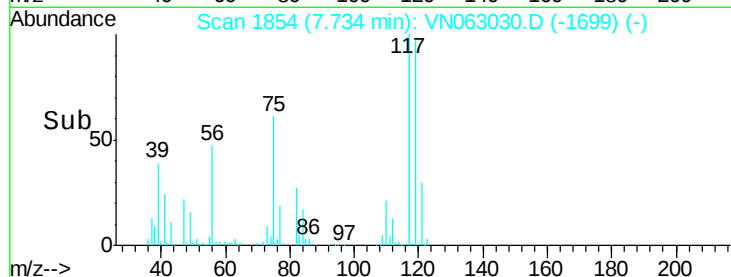
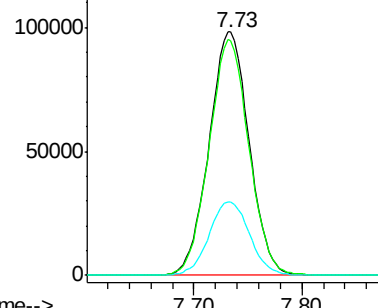
Tot Ion	Ratio	Lower	Upper
117	100		
119	96.6	73.0	109.4
121	30.0	24.9	37.3

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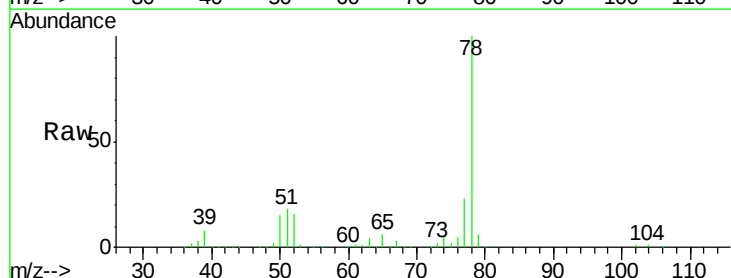


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

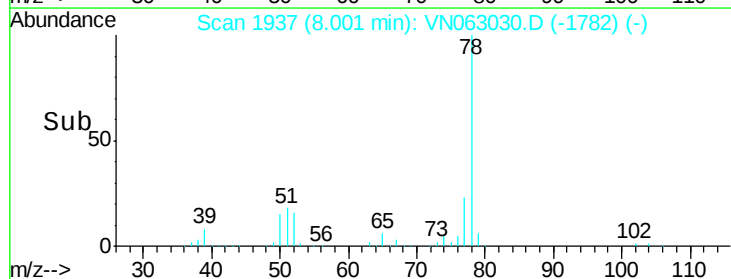
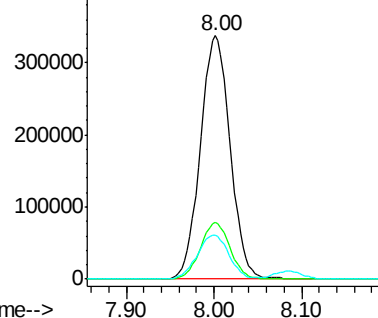


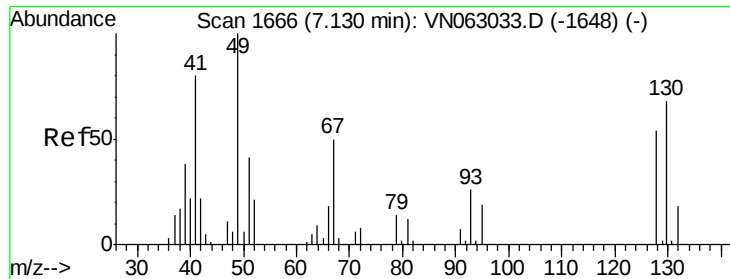
#34
Benzene
Concen: 100.762 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	27.8
51	18.2	22.2	33.2#



Abundance Ion 78.10 (77.80 to 78.80): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 51.00 (50.70 to 51.70): VNO





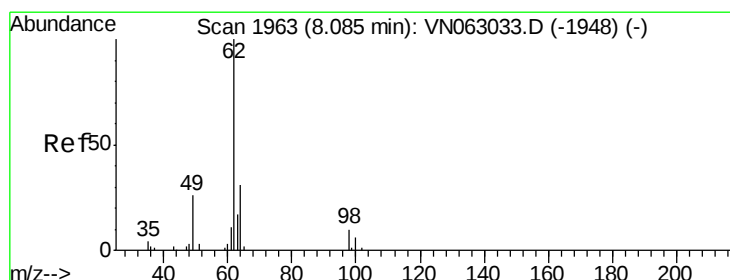
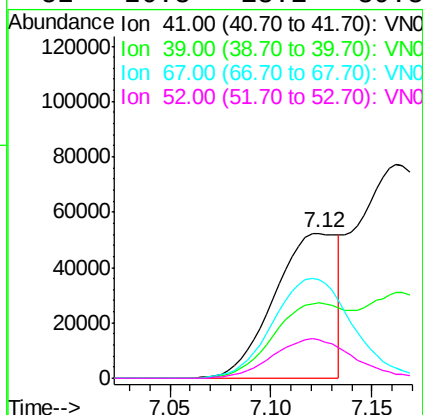
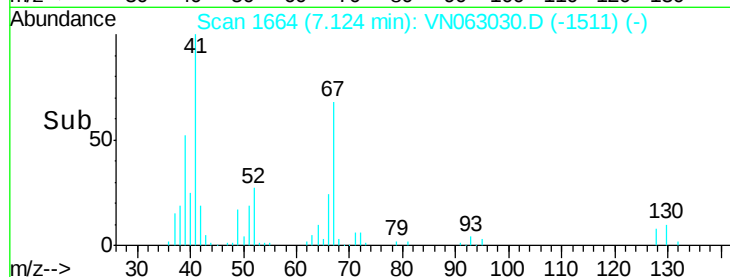
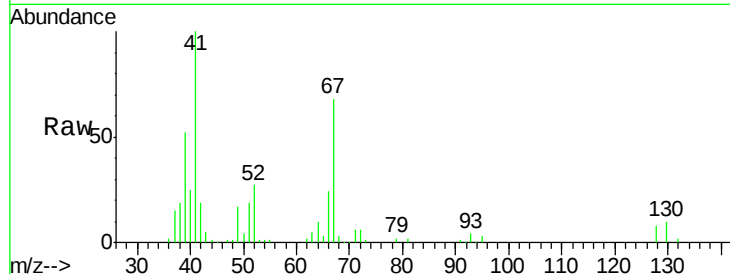
#35
Methacrylonitrile
Concen: 105.517 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.0	23.7	71.1	
67	68.1	31.6	94.7	
52	26.3	13.1	39.3	

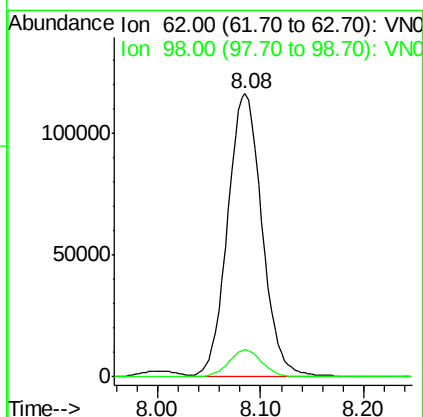
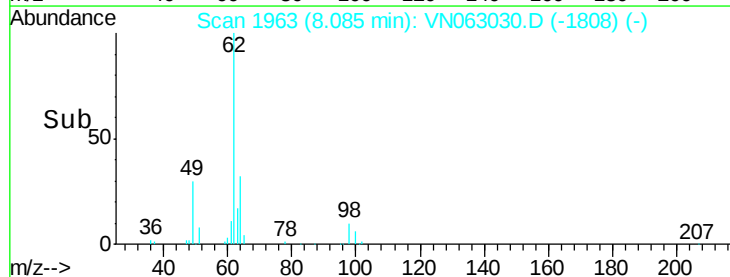
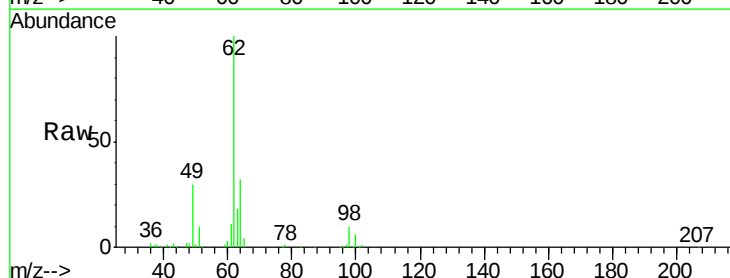
Manual Integrations
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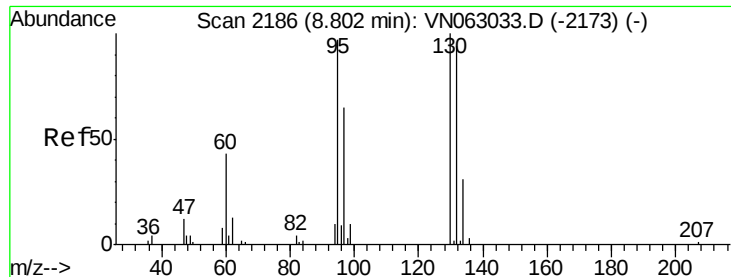
MMDadoda
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#36
1,2-Dichloroethane
Concen: 99.346 ug/l
RT: 8.08 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	7.6	11.4	





#37

Trichloroethene

Concen: 100.615 ug/l

RT: 8.80 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:130 Resp: 195208

Ion Ratio Lower Upper

130 100

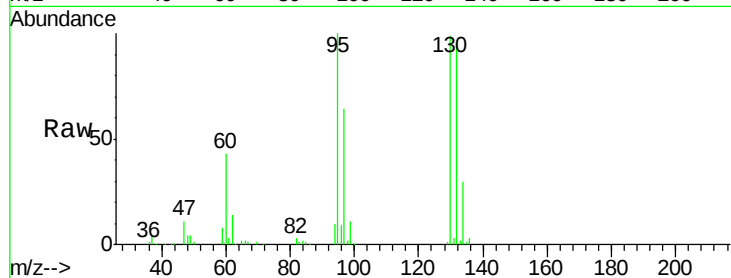
95 100.9 78.9 118.3

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VNO

8.80

100000

80000

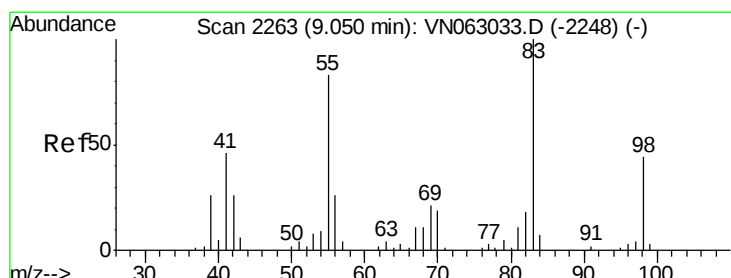
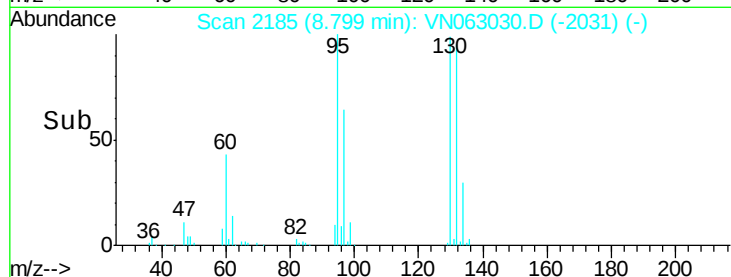
60000

40000

20000

0

Time--> 8.70 8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 111.533 ug/l

RT: 9.05 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

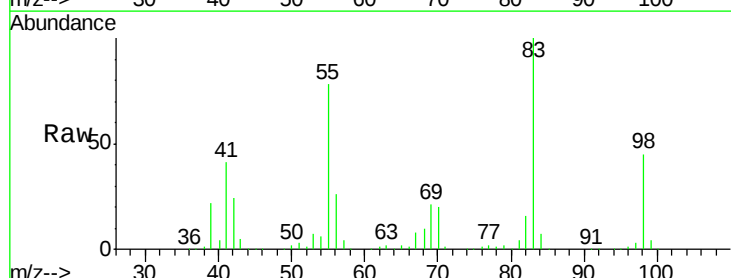
Tgt Ion: 83 Resp: 345838

Ion Ratio Lower Upper

83 100

55 79.0 41.9 125.7

98 44.8 22.2 66.6



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

9.05

200000

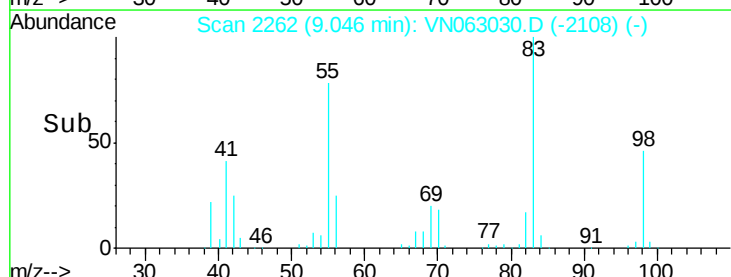
150000

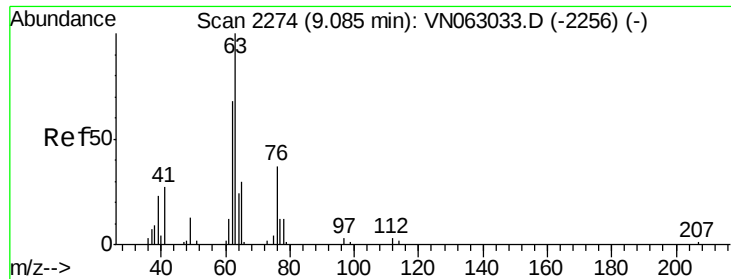
100000

50000

0

Time--> 9.00 9.05 9.10





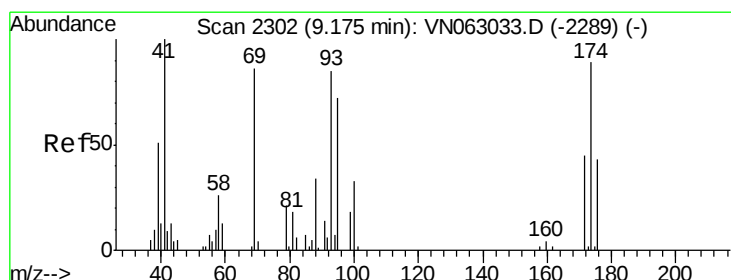
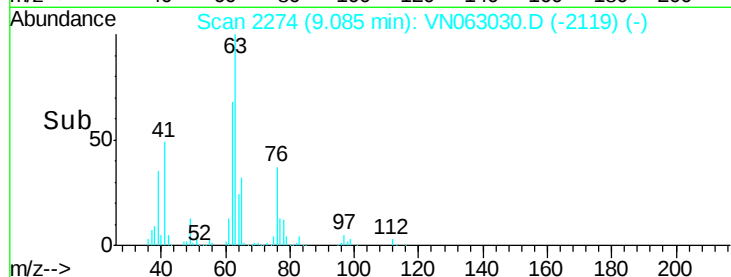
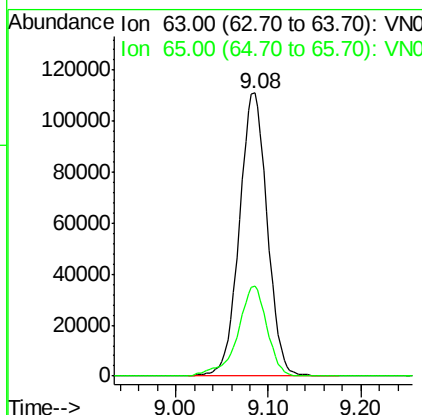
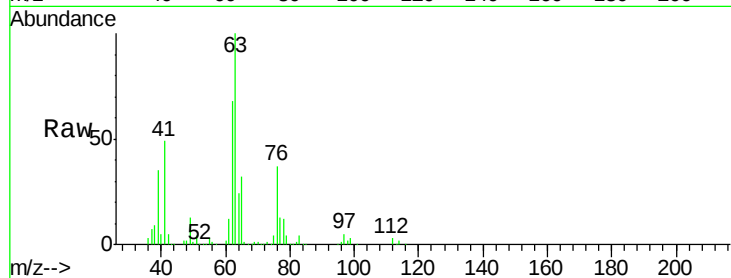
#39
 1,2-Dichloropropane
 Concen: 100.549 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 231835
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.1 37.7

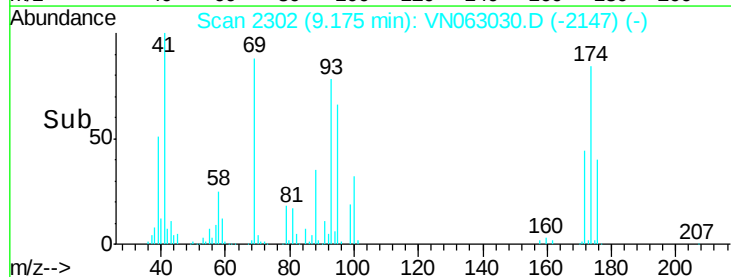
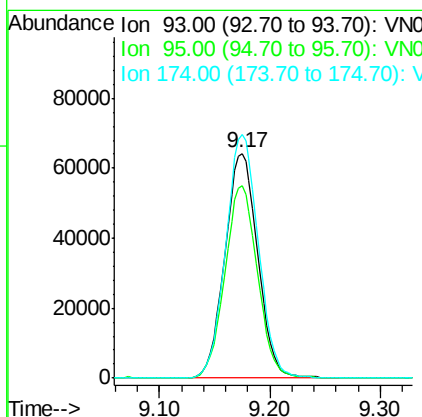
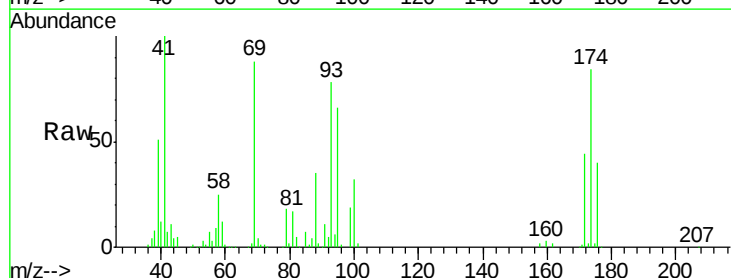
Manual Integrations
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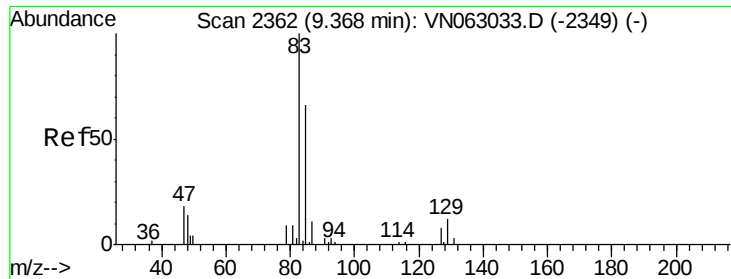
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#40
 Dibromomethane
 Concen: 99.299 ug/l
 RT: 9.17 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion: 93 Resp: 132929
 Ion Ratio Lower Upper
 93 100
 95 85.0 0.0 168.2
 174 107.5 0.0 208.4





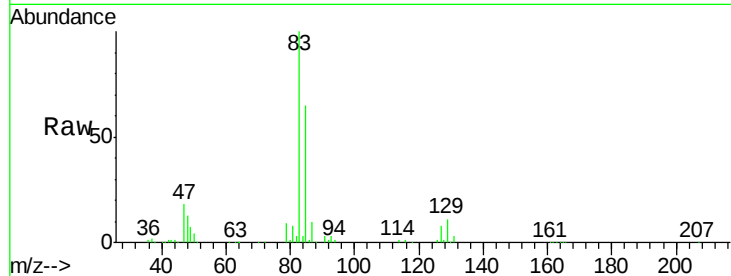
#41
 Bromodichloromethane
 Concen: 99.764 ug/l
 RT: 9.37 min Scan# 2362
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

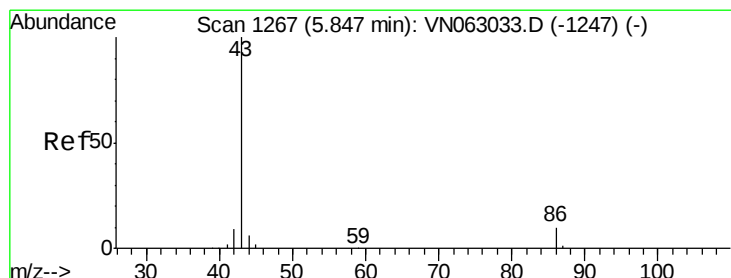
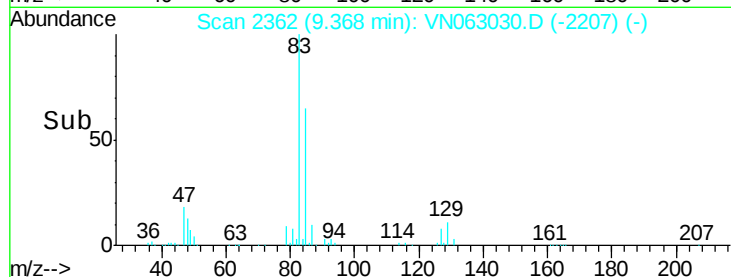
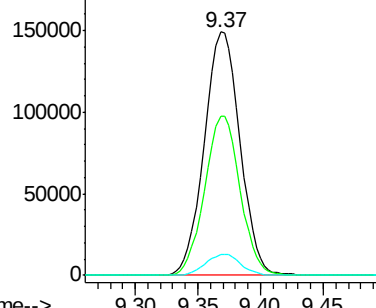
Tot Ion	83	Resp	295954
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	52.6	79.0
127	8.4	7.4	11.0

Manual Integrations
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 8/21/2020 9:22:34 AM

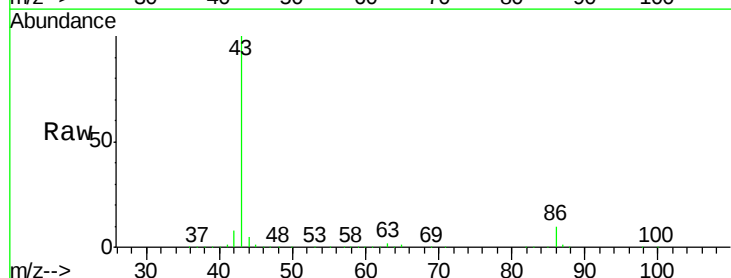


Abundance Ion 83.00 (82.70 to 83.70): VN063030.D (-2207) (-)
 Ion 85.00 (84.70 to 85.70): VN063030.D (-2207) (-)
 Ion 127.00 (126.70 to 127.70): VN063030.D (-2207) (-)

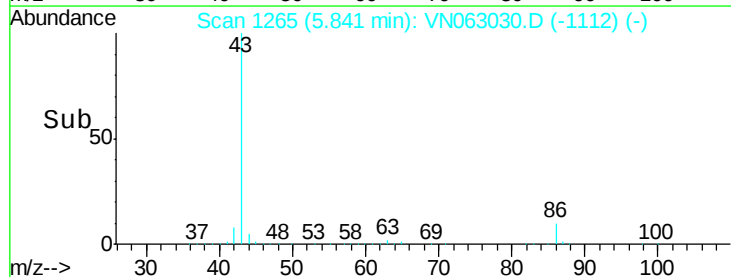
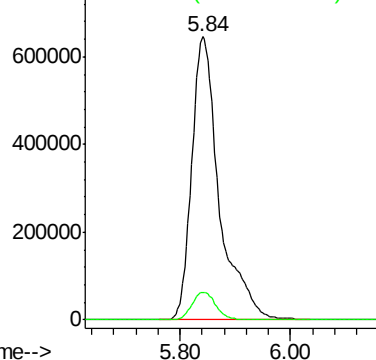


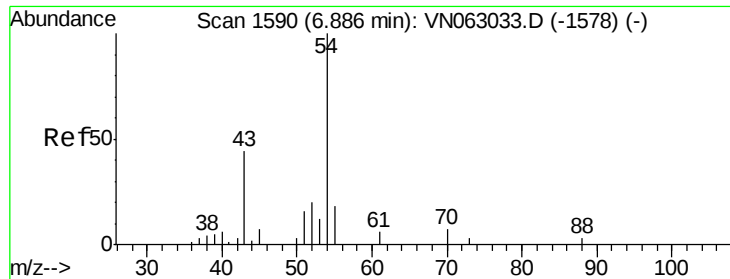
#42
 Vinyl Acetate
 Concen: 512.863 ug/l
 RT: 5.84 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion	43	Resp	2238637
Ion Ratio	100	Lower	Upper
43	100		
86	8.5	6.7	10.1



Abundance Ion 43.00 (42.70 to 43.70): VN063030.D (-1112) (-)
 Ion 86.00 (85.70 to 86.70): VN063030.D (-1112) (-)





#43

Ethyl Acetate

Concen: 99.948 ug/l

RT: 6.88 min Scan# 1589

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 219814

Ion Ratio Lower Upper

43 100

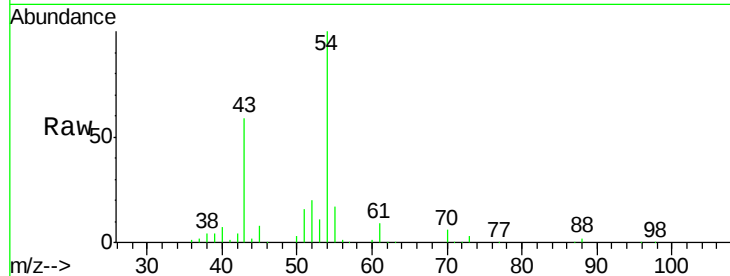
45 15.3 11.3 16.9

Manual Integrations

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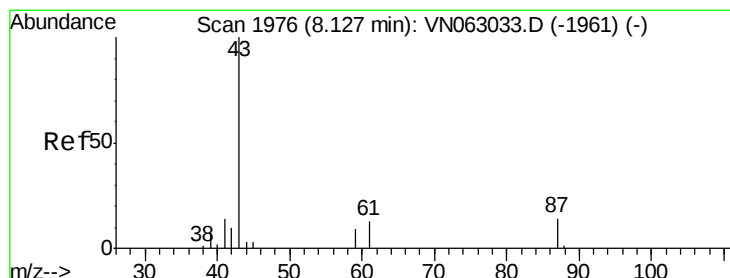
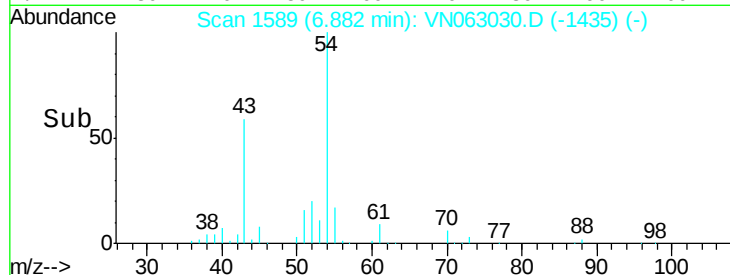
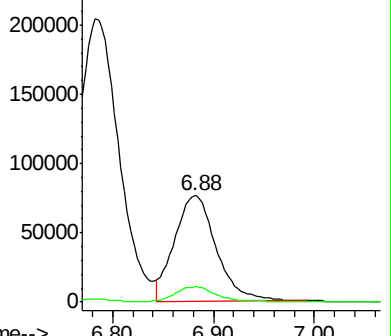
MMDadoda

8/21/2020 9:22:34 AM



Abundance Ion 43.00 (42.70 to 43.70): VN063033.D (-1578) (-)

Ion 45.00 (44.70 to 45.70): VN063033.D (-1578) (-)



#44

Isopropyl Acetate

Concen: 104.054 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN063030.D

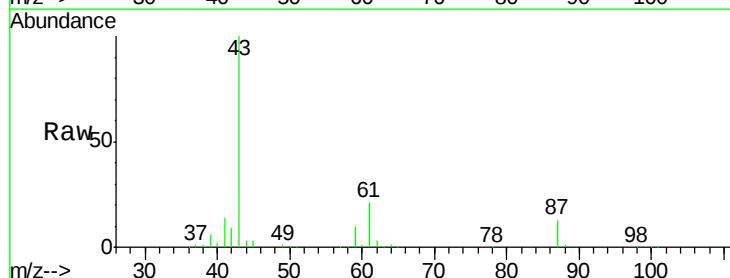
Acq: 20 Aug 2020 11:24

Tgt Ion: 43 Resp: 384175

Ion Ratio Lower Upper

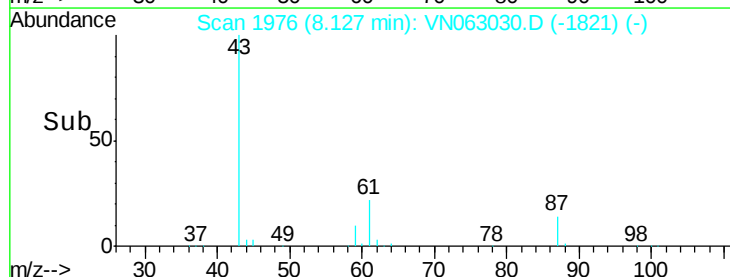
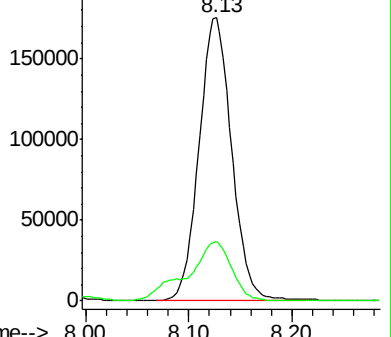
43 100

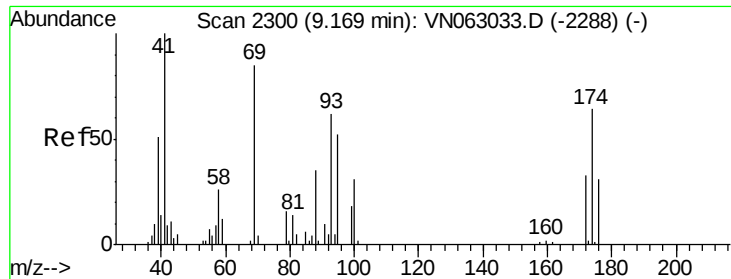
61 21.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN063033.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN063033.D (-1961) (-)





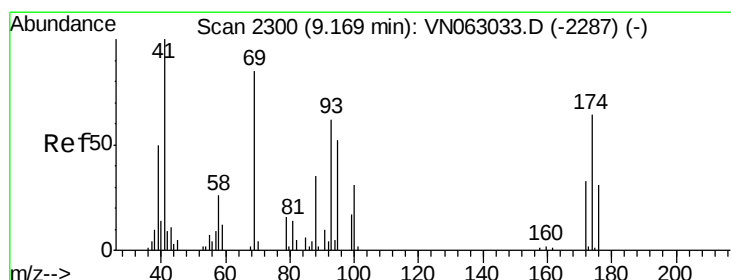
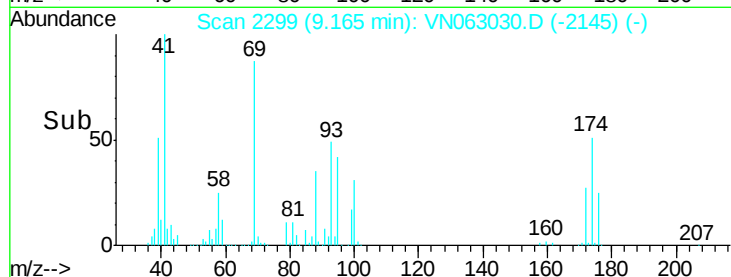
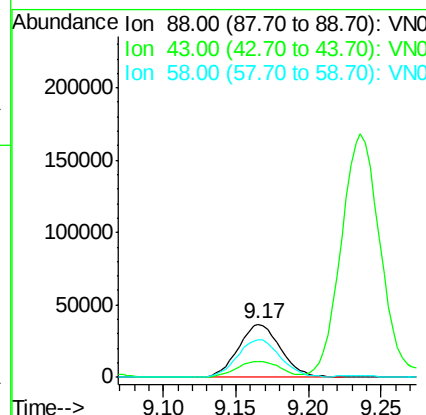
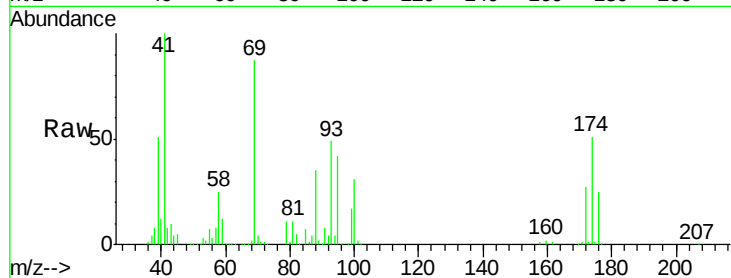
#45
 1,4-Dioxane
 Concen: 2153.866 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	28.5	42.7
58	72.3	59.6	89.4

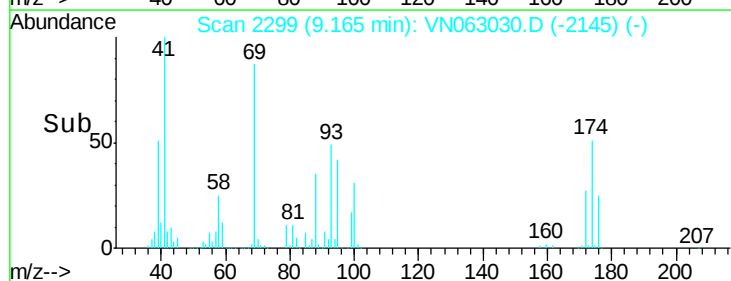
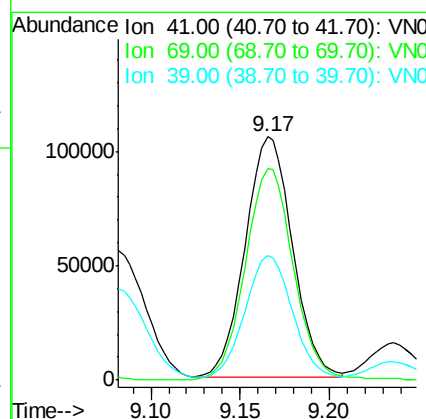
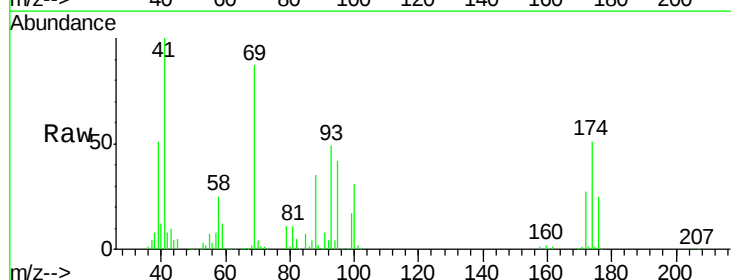
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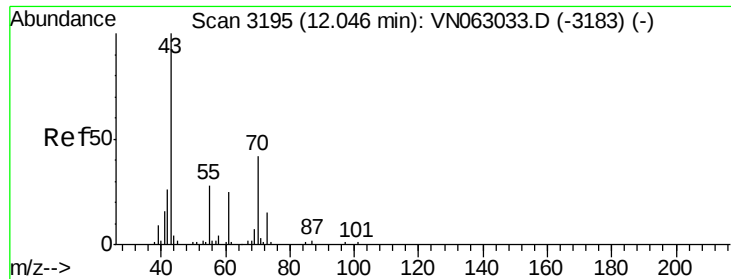
MMDadoda
 8/21/2020 9:22:34 AM



#46
 Methyl methacrylate
 Concen: 107.002 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.1	42.6	128.0
39	50.7	25.1	75.4





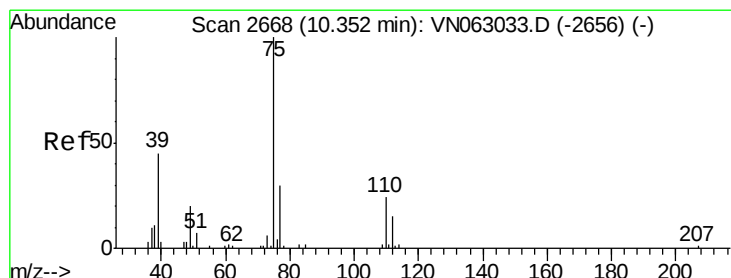
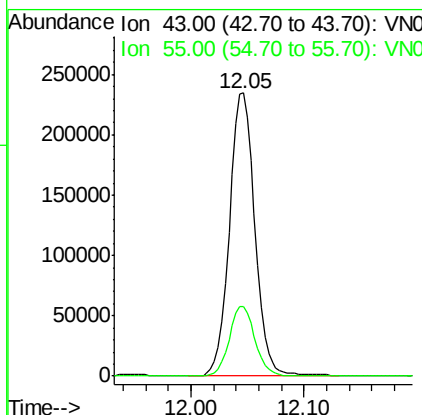
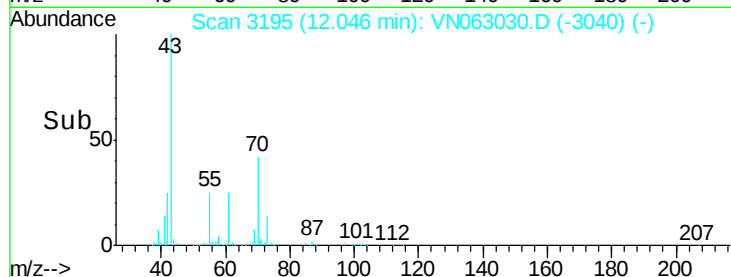
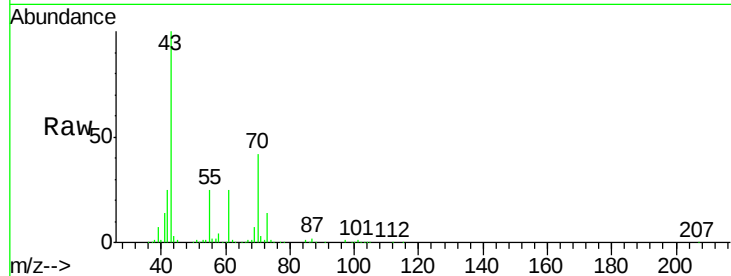
#47
n-amvl Acetate
Concen: 111.669 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 365930
Ion Ratio Lower Upper
43 100
55 25.2 21.2 31.8

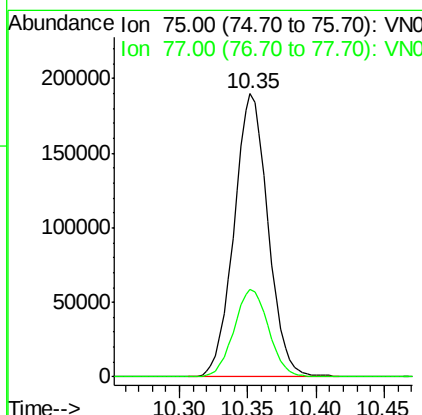
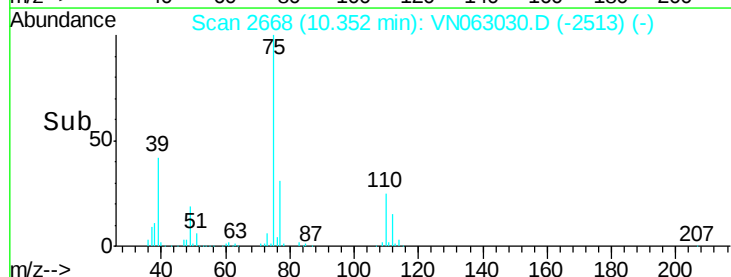
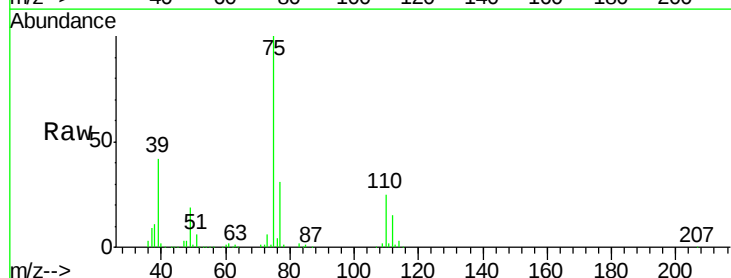
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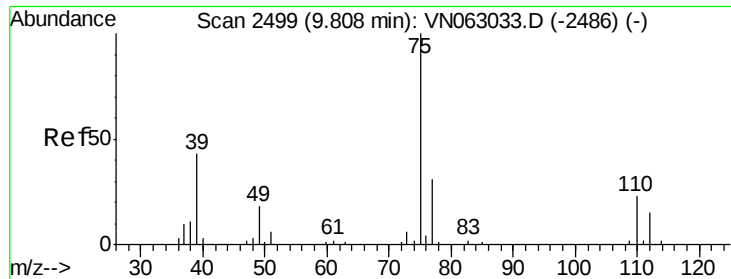
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 104.757 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion: 75 Resp: 328211
Ion Ratio Lower Upper
75 100
77 31.0 23.8 35.8





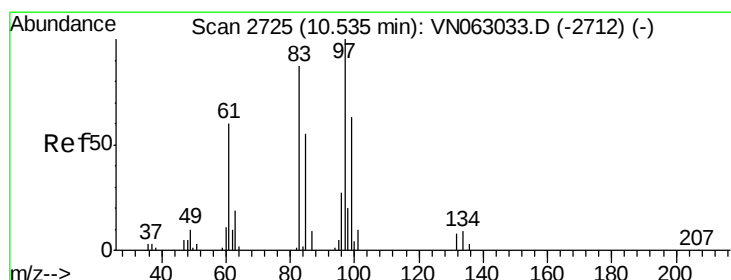
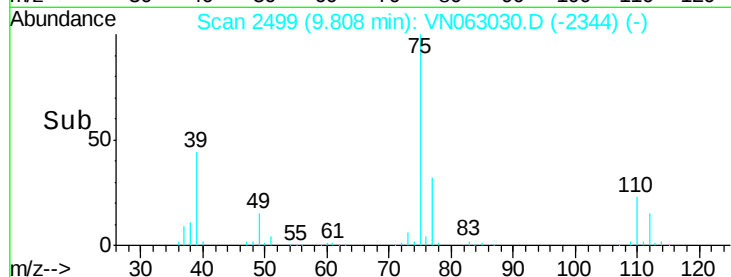
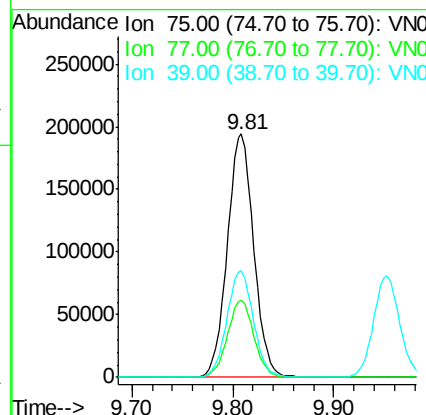
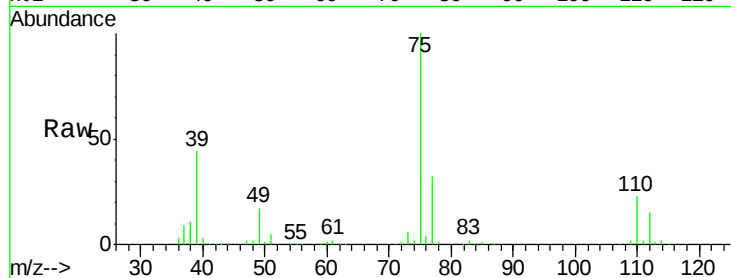
#49
 cis-1,3-Dichloropropene
 Concen: 104.328 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	75	Resp:	355790
Ion Ratio	Lower	Upper	
75	100		
77	31.8	24.8	37.2
39	43.7	34.5	51.7

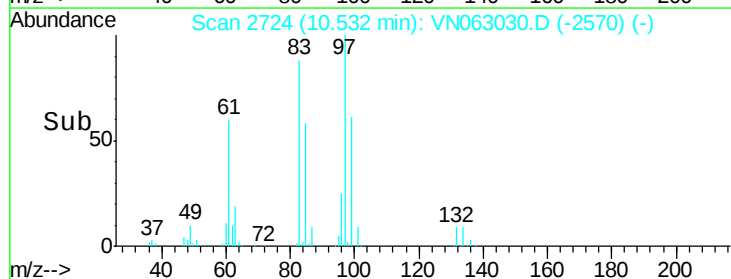
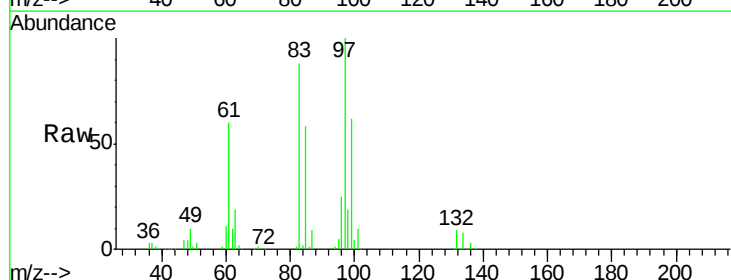
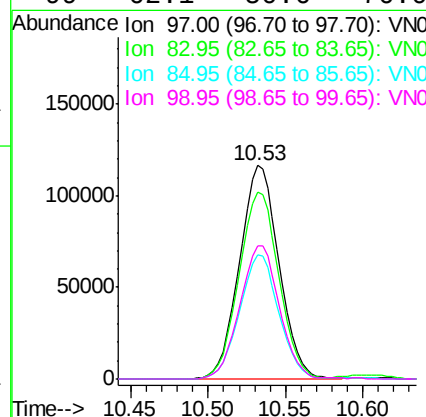
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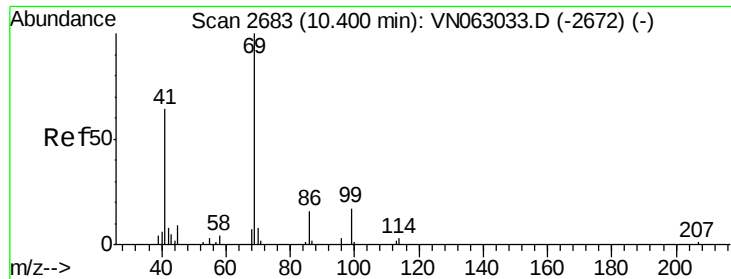
MMDadoda
 8/21/2020 9:22:34 AM



#50
 1,1,2-Trichloroethane
 Concen: 100.020 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion:	97	Resp:	206446
Ion Ratio	Lower	Upper	
97	100		
83	87.6	69.9	104.9
85	58.4	44.0	66.0
99	62.1	50.6	76.0





#51

Ethyl methacrylate

Concen: 110.881 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

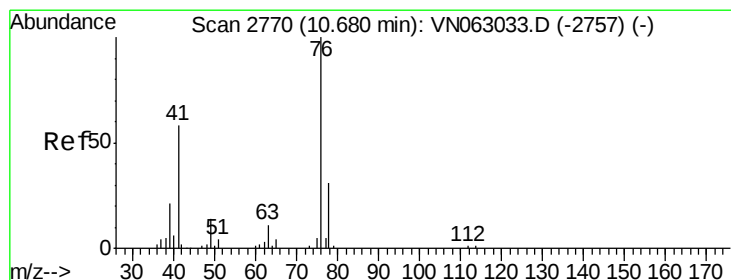
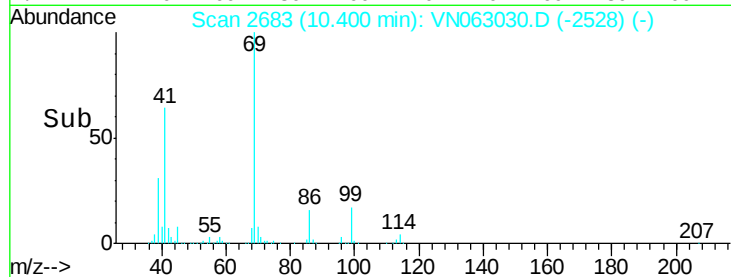
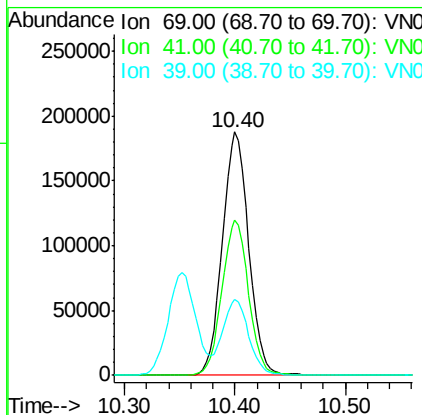
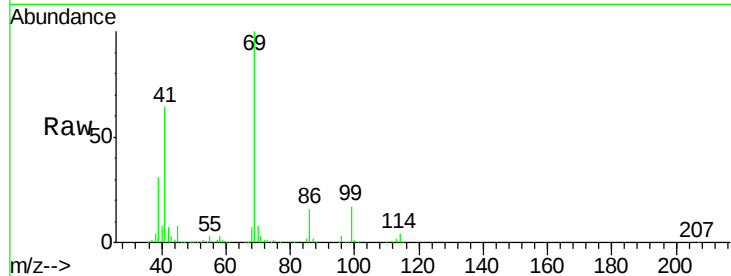
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	311374
Ion	Ratio	Lower	Upper
69	100		
41	63.7	32.1	96.5
39	31.1	16.1	48.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 101.902 ug/l

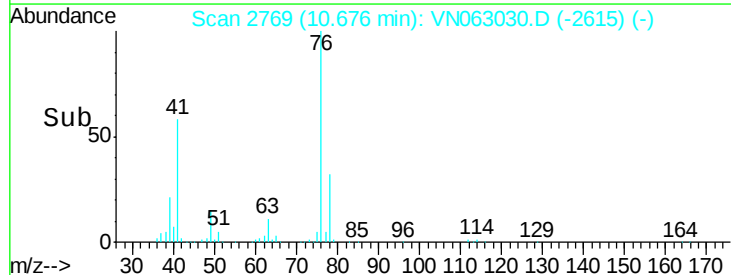
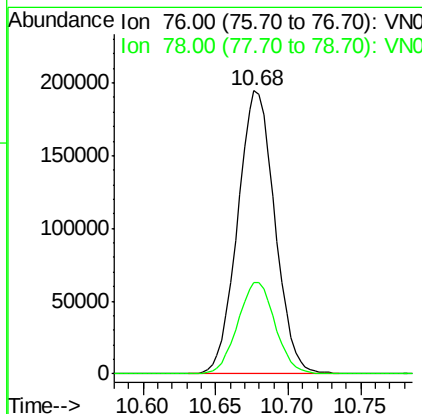
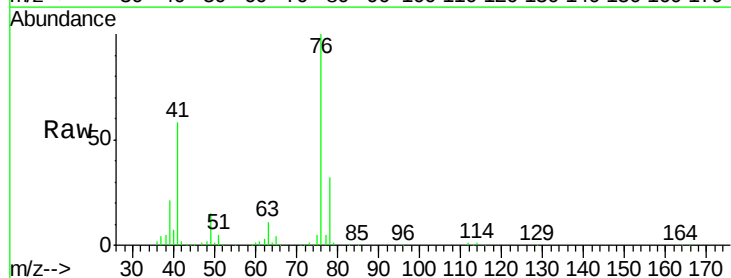
RT: 10.68 min Scan# 2769

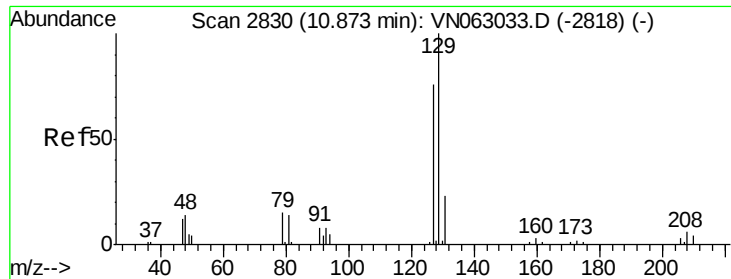
Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Tgt Ion:	76	Resp:	347493
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	63.2





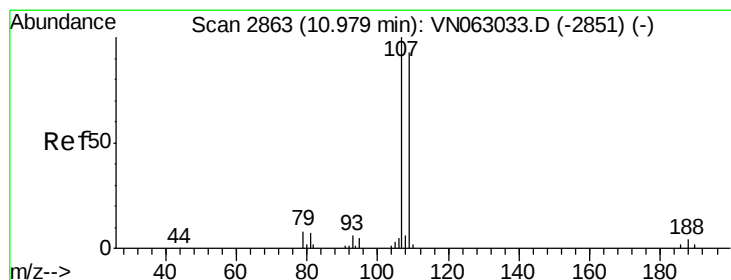
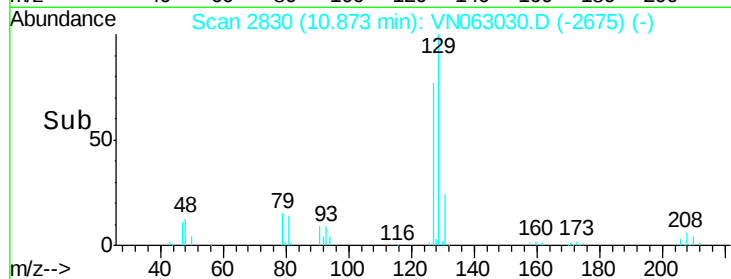
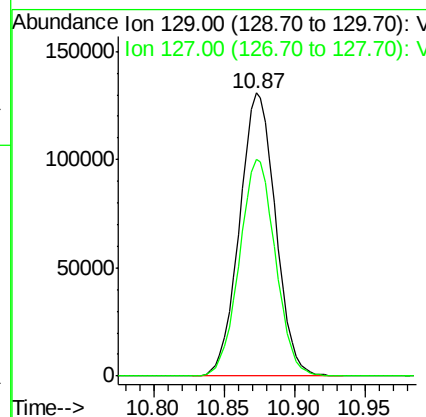
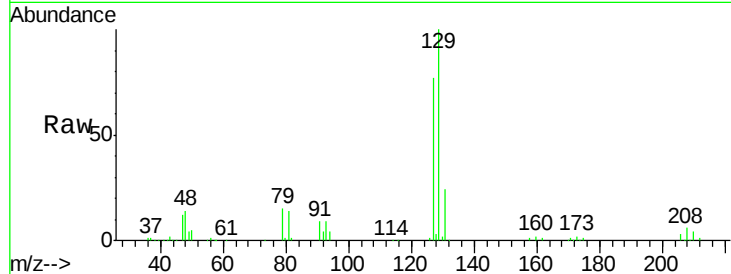
#53
Dibromochloromethane
Concen: 103.507 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		234444		
127	76.5	38.7	116.1		

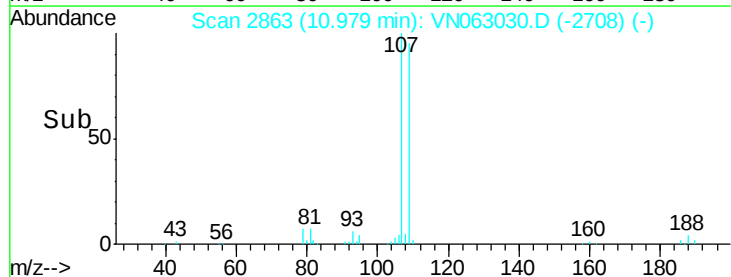
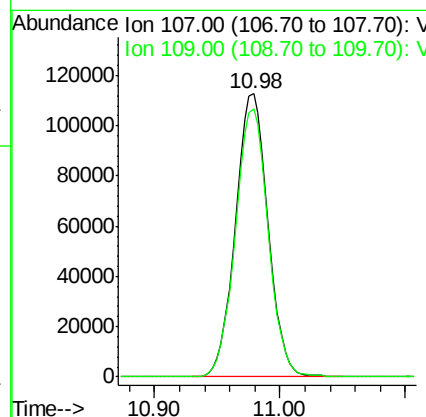
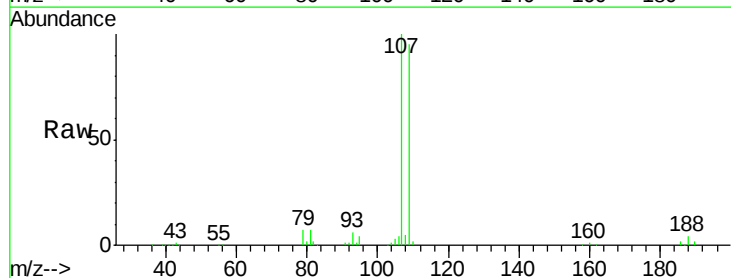
Manual Integrations
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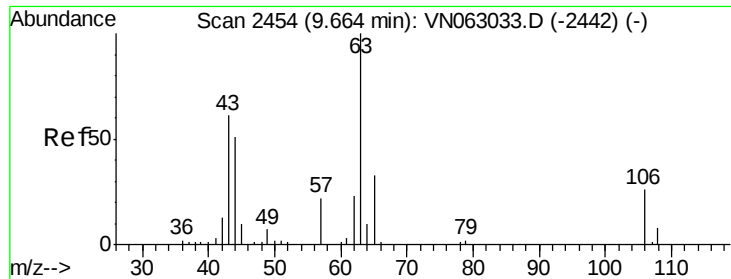
MMDadoda
8/21/2020 9:22:34 AM



#54
1,2-Dibromoethane
Concen: 102.452 ug/l
RT: 10.98 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		202861		
109	95.5	76.3	114.5		





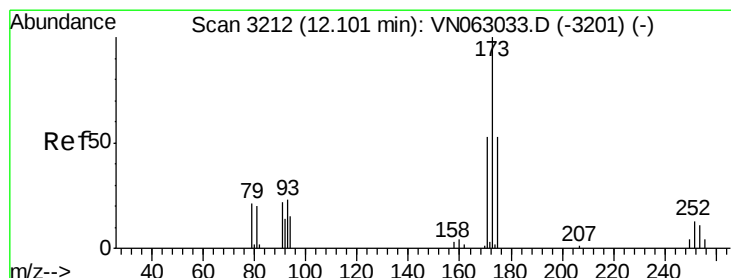
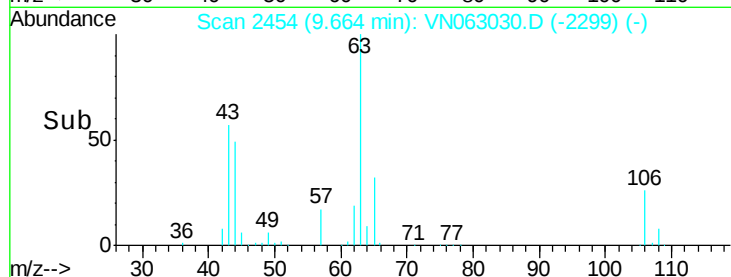
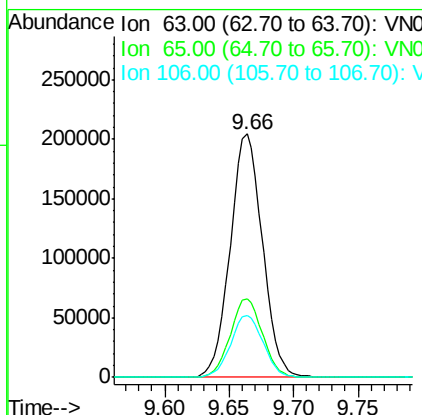
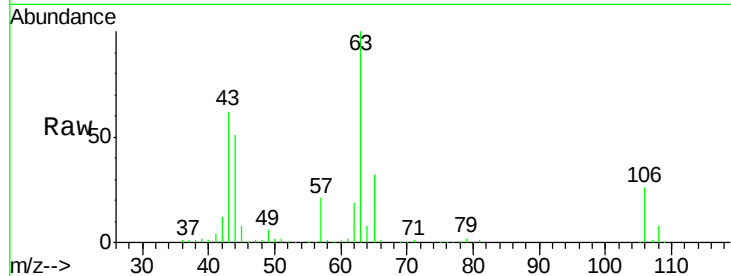
#55
2-Chloroethyl vinyl ether
Concen: 616.355 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.9	38.9
106	25.7	19.9	29.9

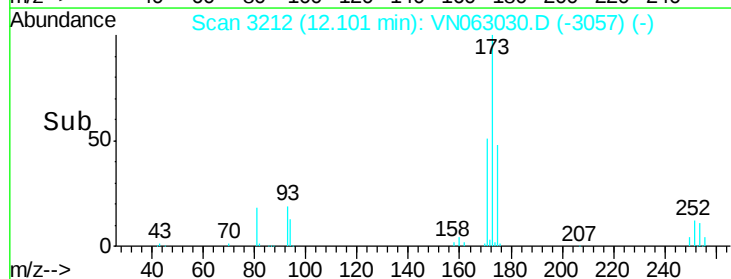
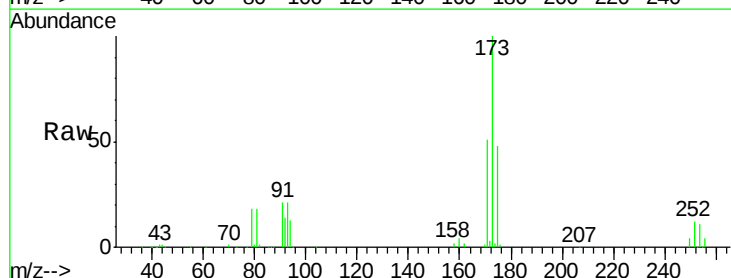
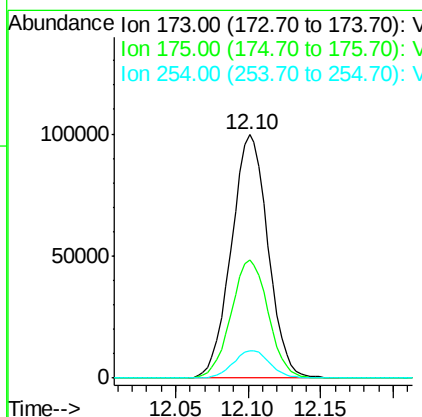
Manual Integrations
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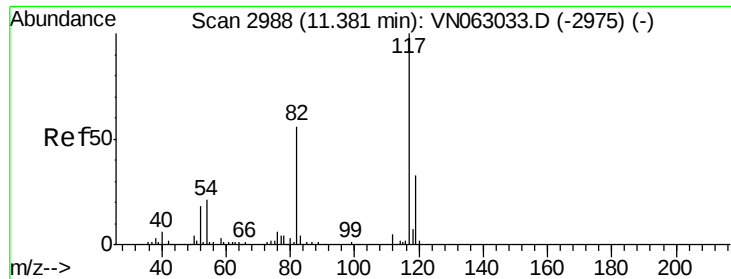
MMDadoda
8/21/2020 9:22:34 AM



#56
Bromoform
Concen: 105.503 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	41.2	61.8
254	11.2	9.0	13.4





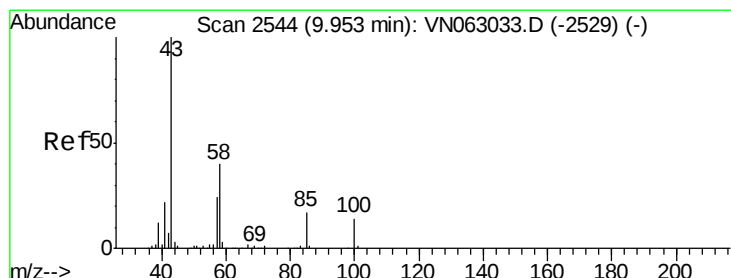
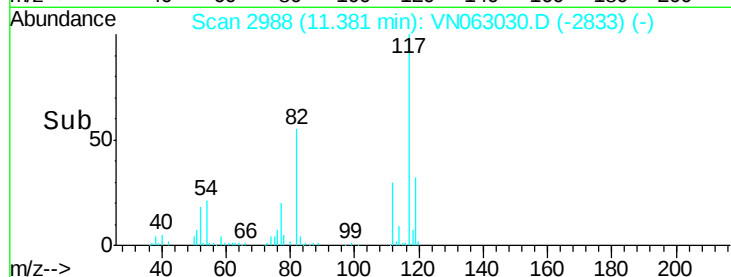
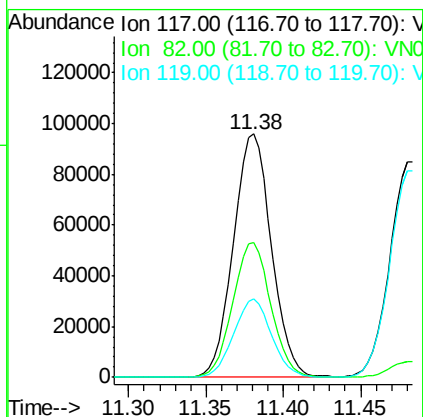
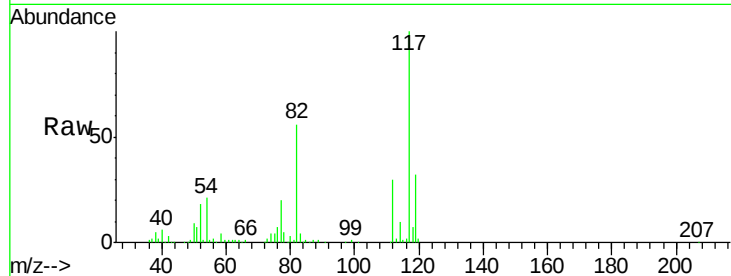
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	164057		
82	55.4	44.9	67.3	
119	32.0	26.0	39.0	

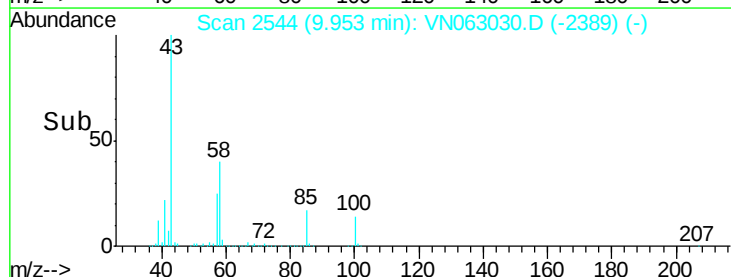
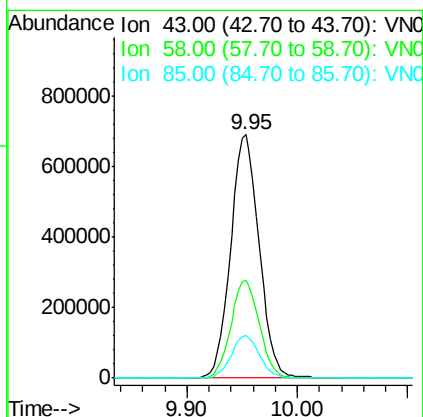
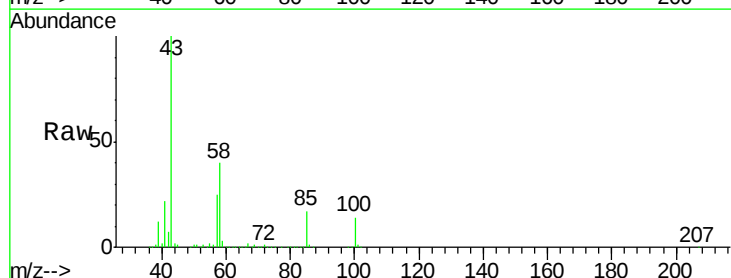
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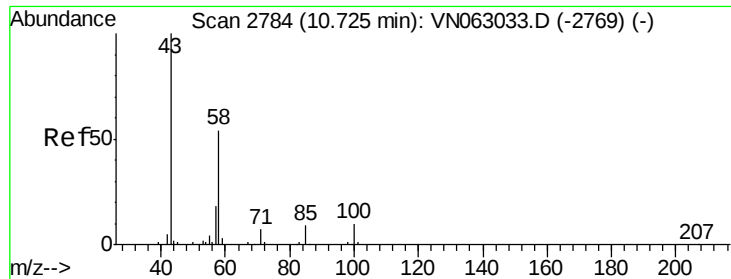
MMDadoda
8/21/2020 9:22:34 AM



#58
4-Methyl-2-Pentanone
Concen: 522.334 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1232726		
58	40.1	31.4	47.0	
85	17.4	13.4	20.2	





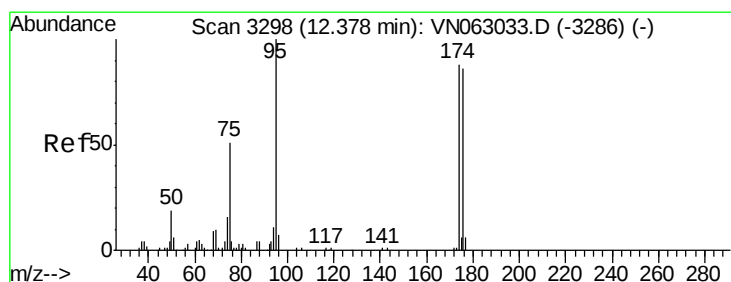
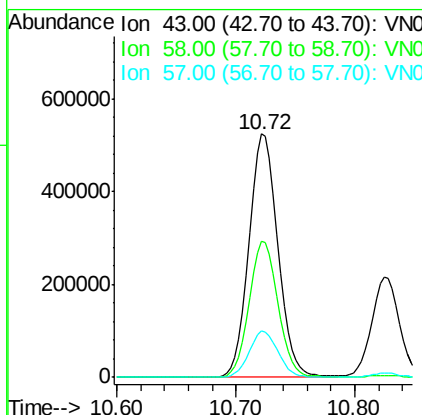
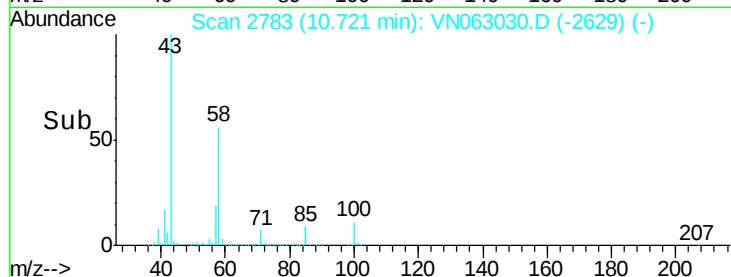
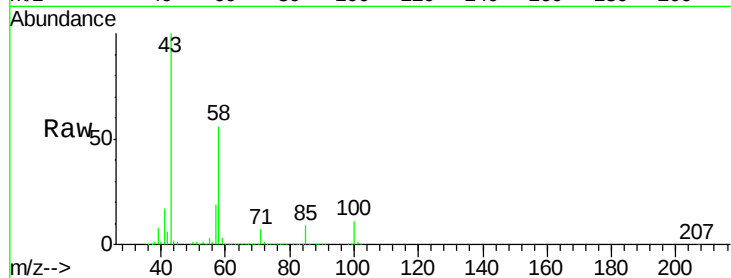
#59
2-Hexanone
Concen: 525.053 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.9	42.6	64.0
57	19.0	14.6	21.8

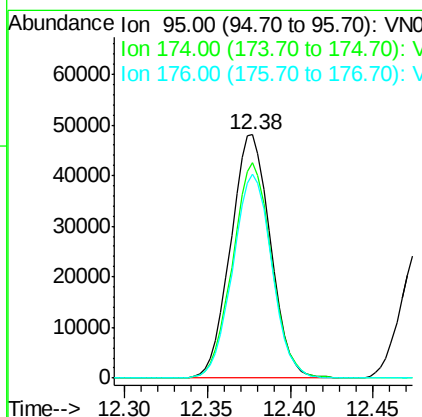
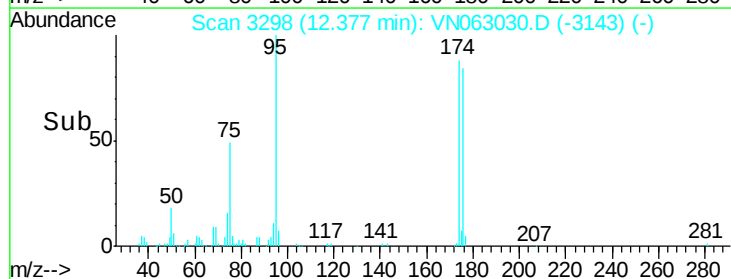
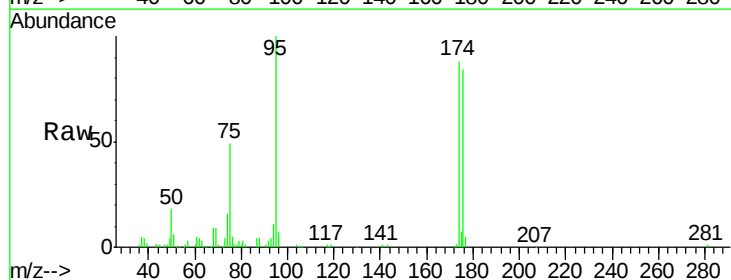
Manual Integrations
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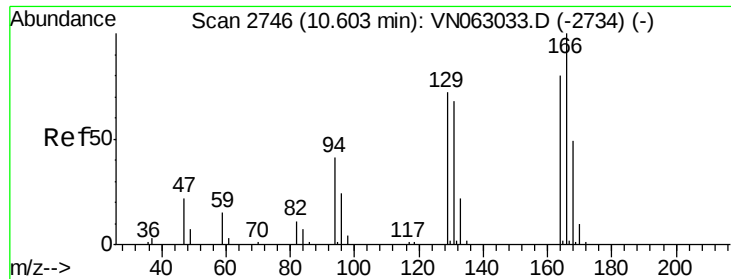
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 31.042 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.4	70.1	105.1
176	81.9	66.8	100.2





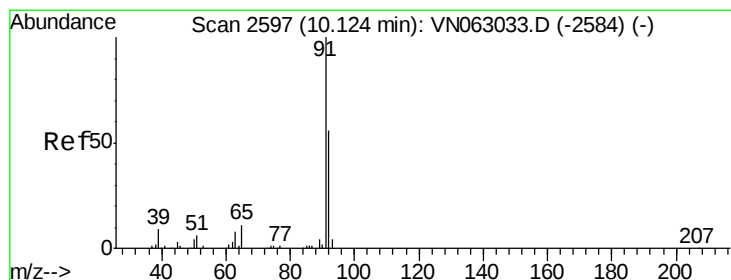
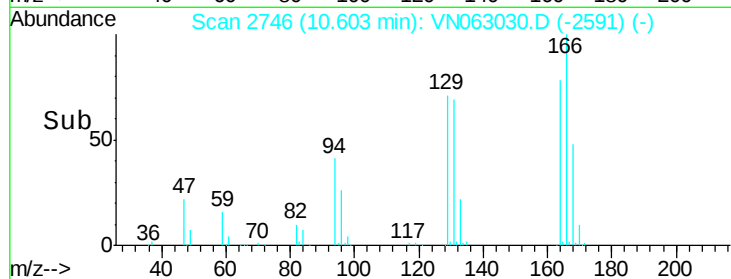
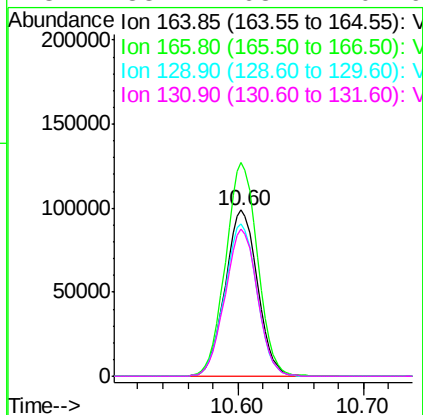
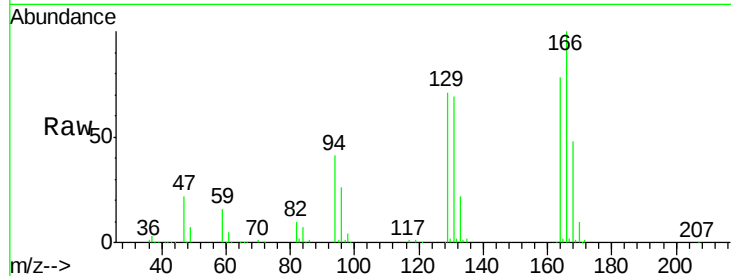
#61
Tetrachloroethene
Concen: 98.384 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	128.2	176943	100.1	150.1
129	91.6		72.5	108.7
131	88.4		68.4	102.6

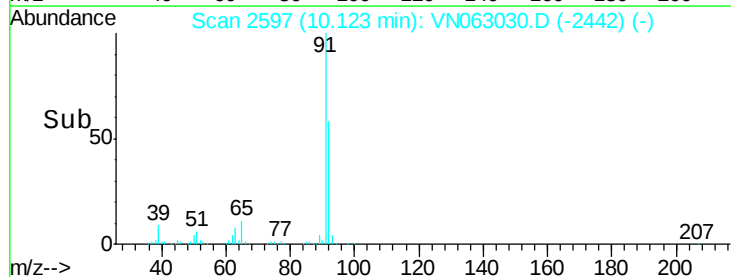
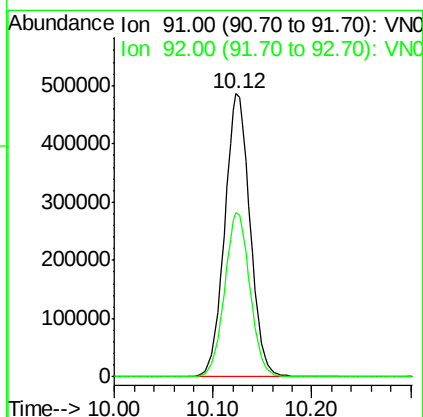
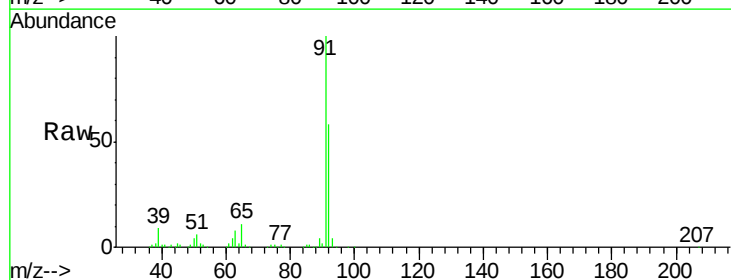
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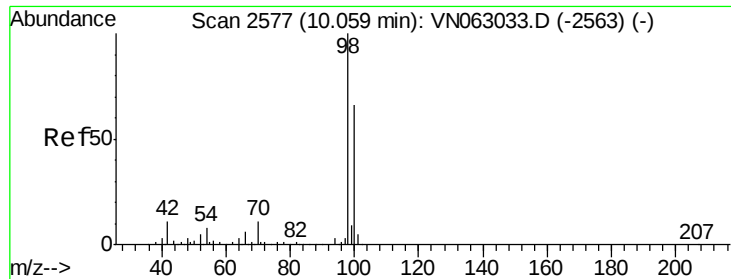
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#62
Toluene
Concen: 100.601 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	874698		
92	58.0		45.5	68.3





#63

Toluene-d8

Concen: 30.050 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampled :

VSTDICC100

Tot Ion: 98 Resp: 226252

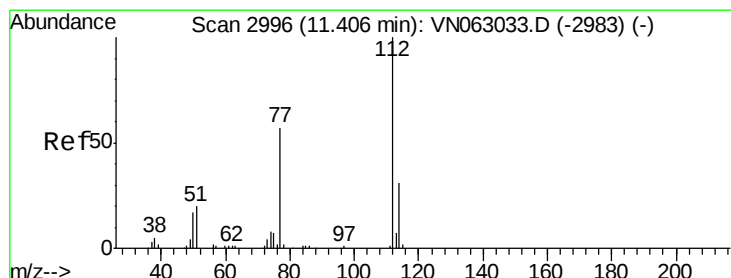
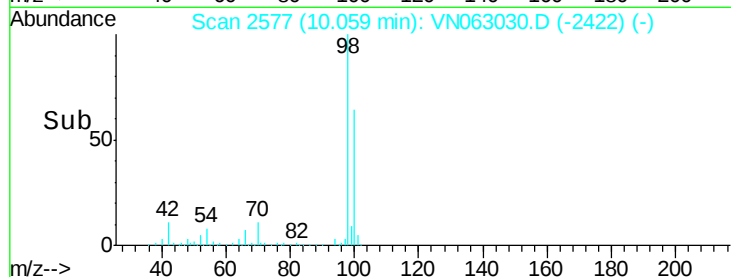
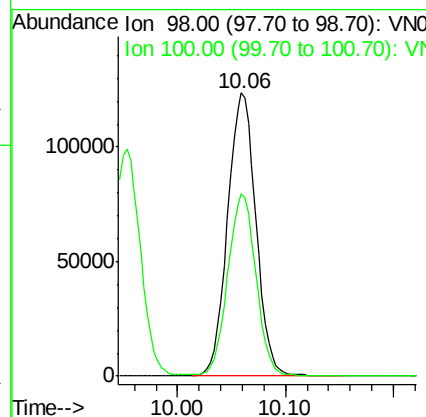
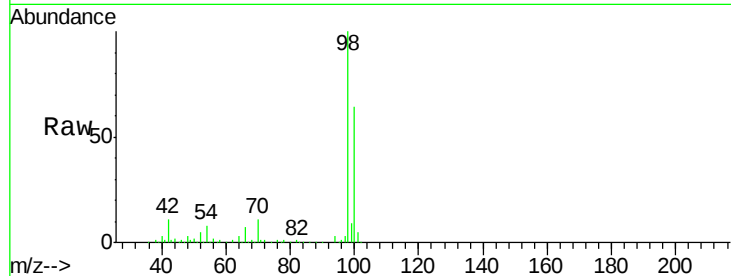
Ion Ratio Lower Upper

98 100

100 63.7 51.4 77.2

Manual Integrations
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#64

Chlorobenzene

Concen: 102.159 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN063030.D

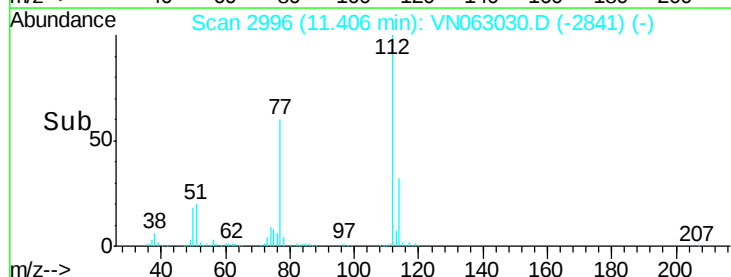
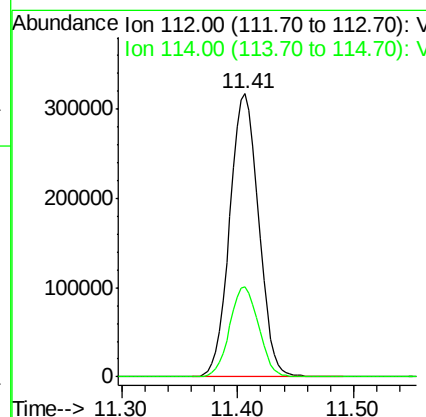
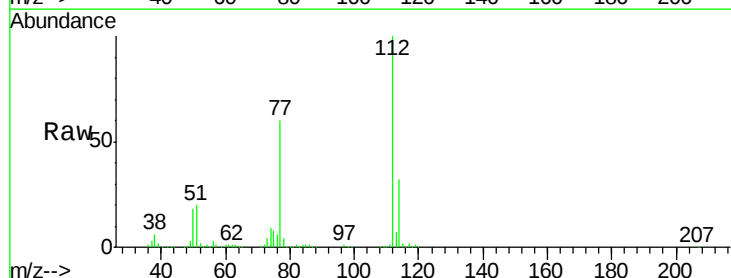
Acq: 20 Aug 2020 11:24

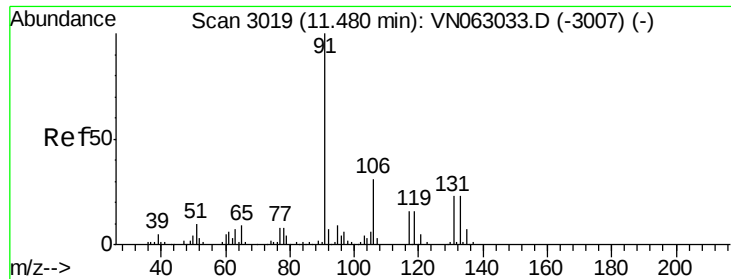
Tgt Ion: 112 Resp: 549620

Ion Ratio Lower Upper

112 100

114 31.8 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 101.873 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

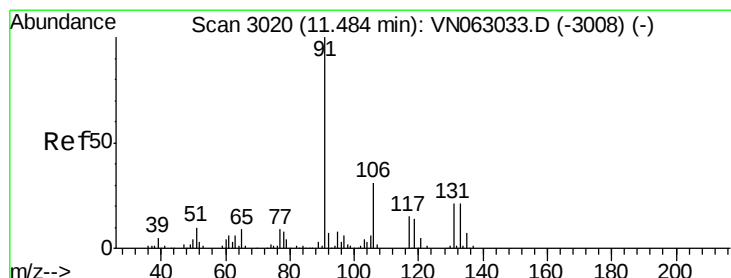
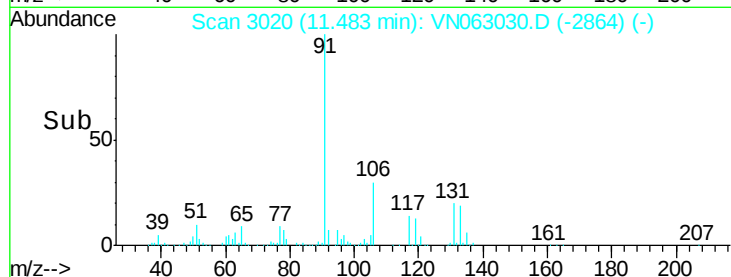
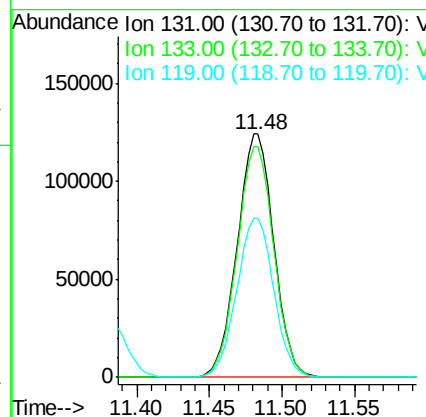
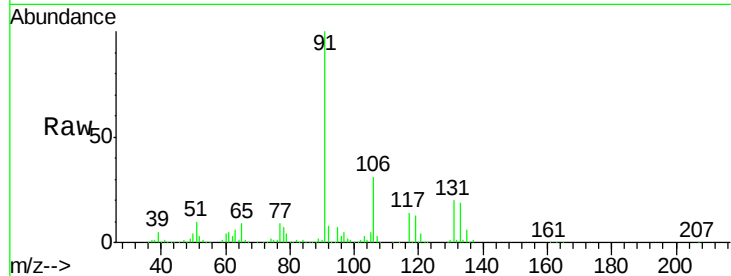
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
131	100	217235		
133	95.3	0.0	191.2	
119	66.3	0.0	134.2	

Manual Integrations
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#66

Ethyl Benzene

Concen: 106.786 ug/l

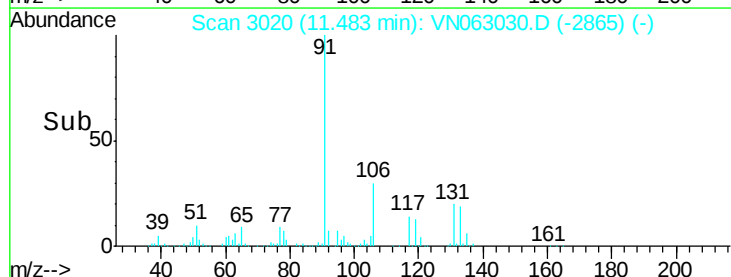
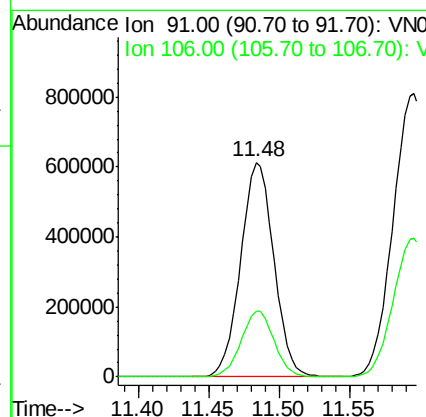
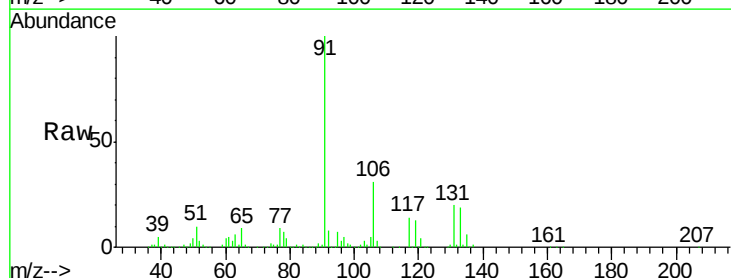
RT: 11.48 min Scan# 3020

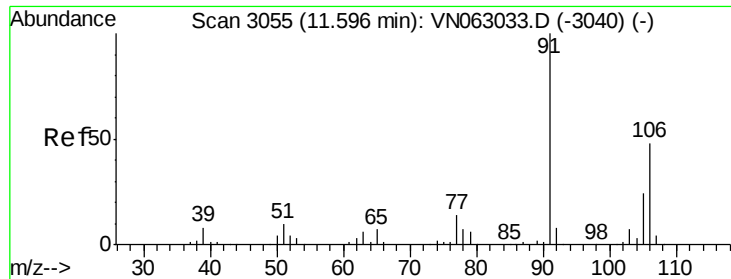
Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1012102		
106	30.8	25.0	37.4	





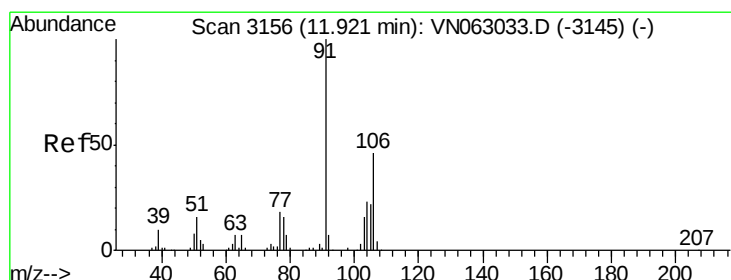
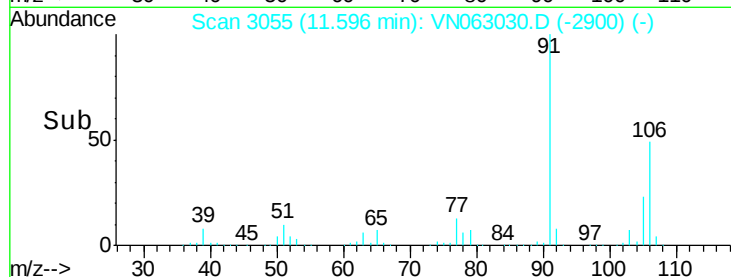
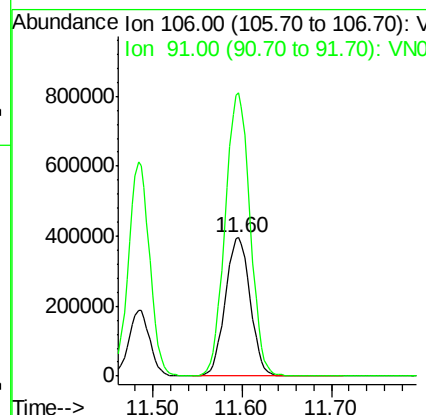
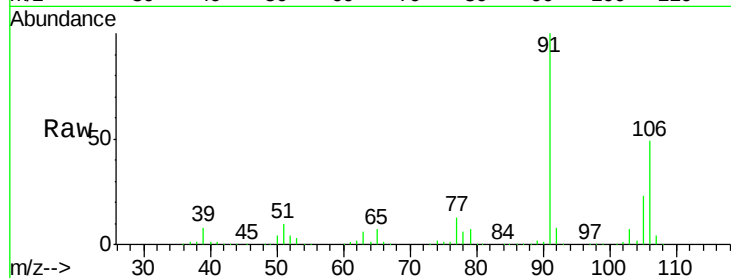
#67
m/p-Xylenes
Concen: 215.276 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 764368
Ion Ratio Lower Upper
106 100
91 204.4 164.9 247.3

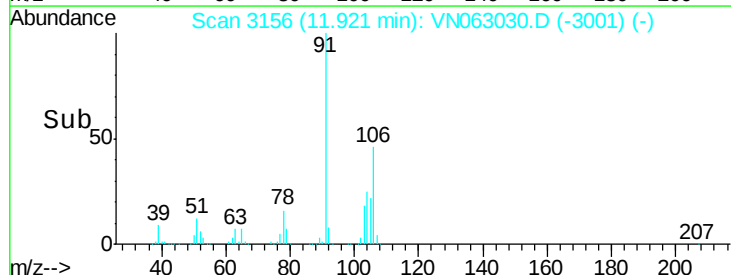
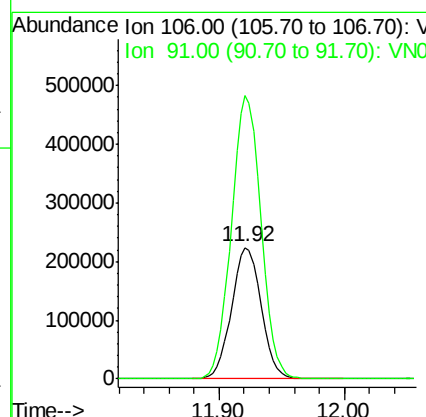
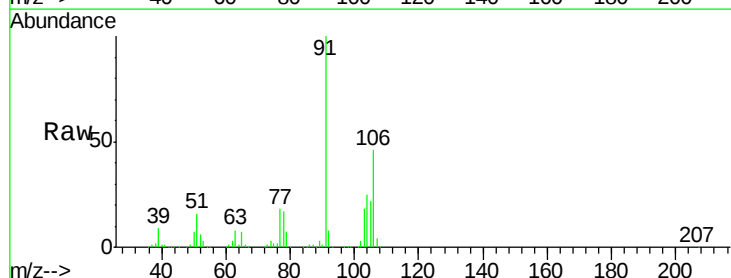
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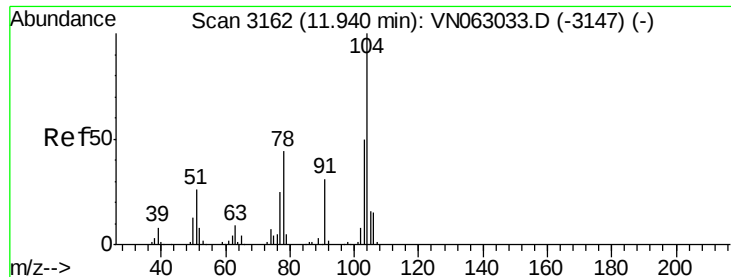
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#68
o-Xylene
Concen: 107.773 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion:106 Resp: 367583
Ion Ratio Lower Upper
106 100
91 214.7 108.0 324.0





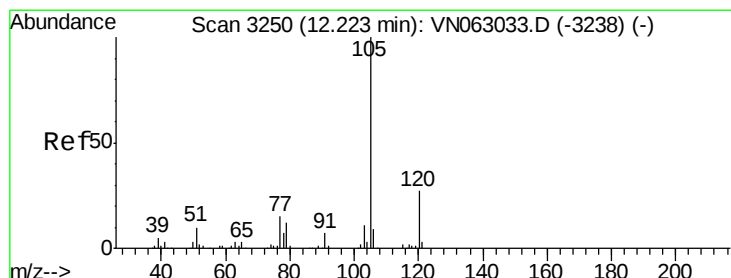
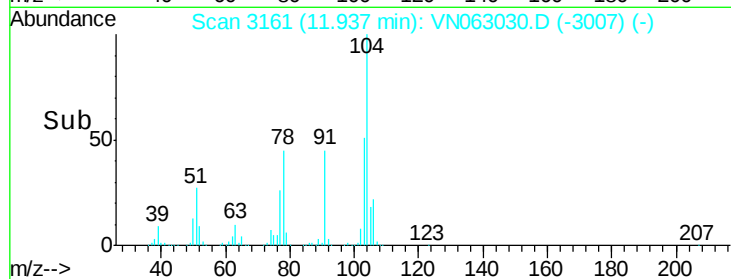
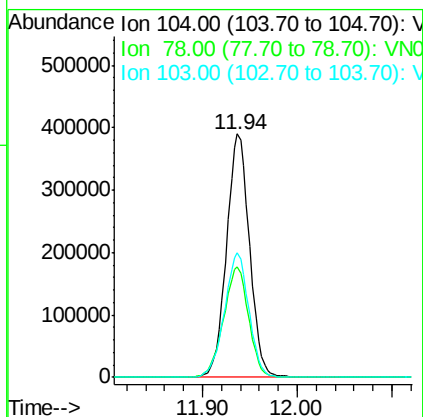
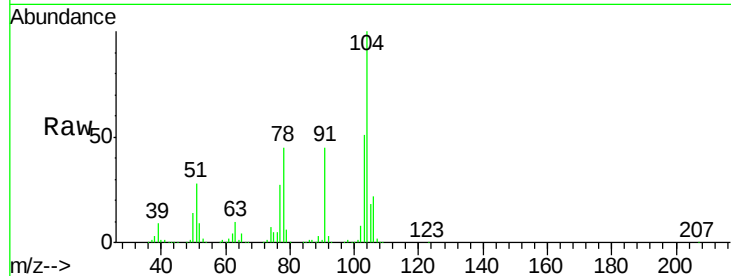
#69
Stvrene
Concen: 110.488 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
104	100	658305		
78	49.5		39.6	59.4
103	54.5		44.4	66.6

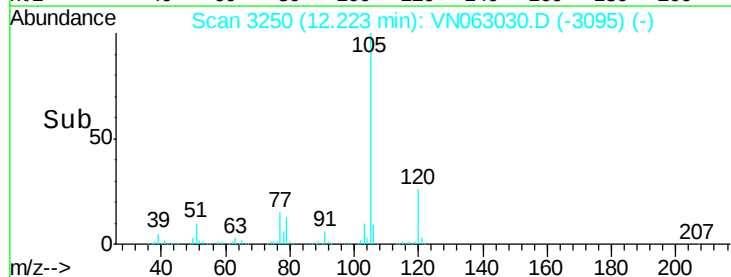
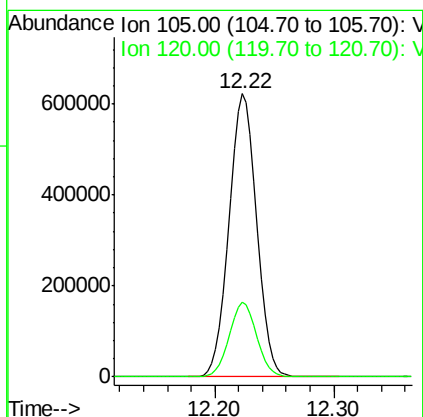
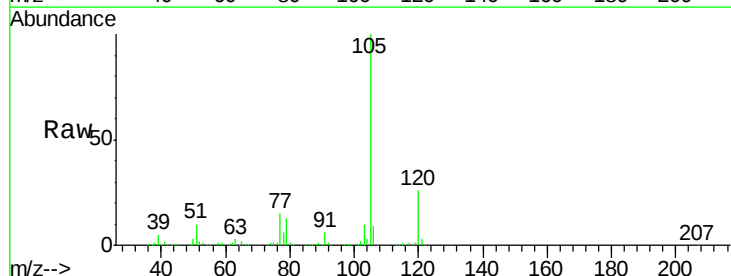
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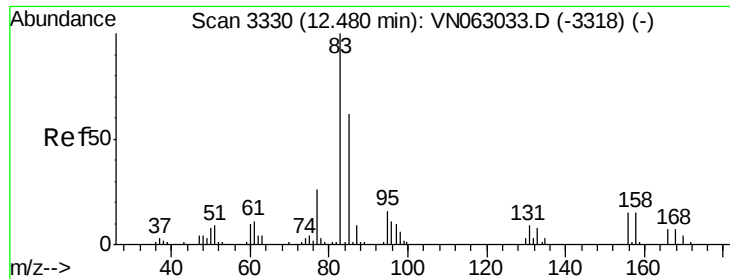
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#70
Isopropylbenzene
Concen: 107.809 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1000285		
120	26.3		18.5	34.3





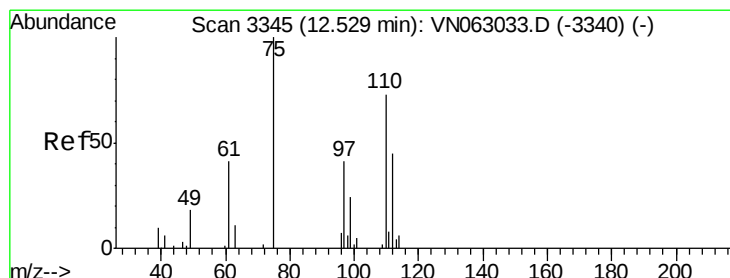
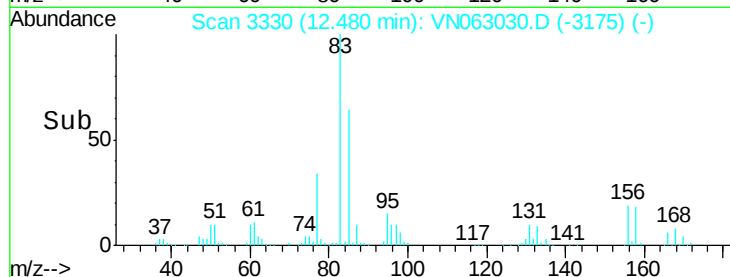
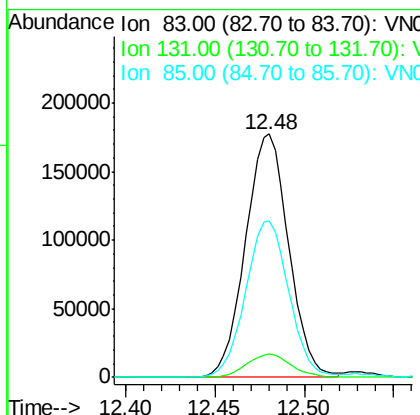
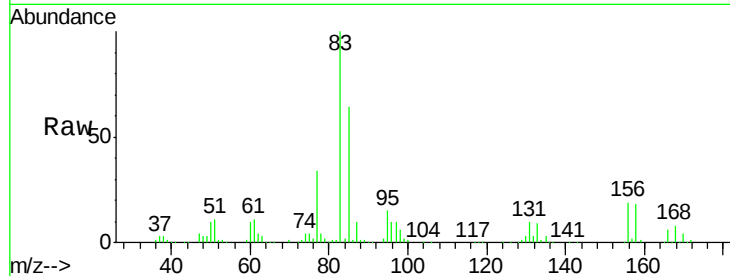
#71
 1,1,2,2-Tetrachloroethane
 Concen: 100.831 ug/l
 RT: 12.48 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	83	Resp	300014
Ion Ratio	100	Lower	Upper
83	100		
131	9.8	4.5	13.7
85	64.3	31.8	95.3

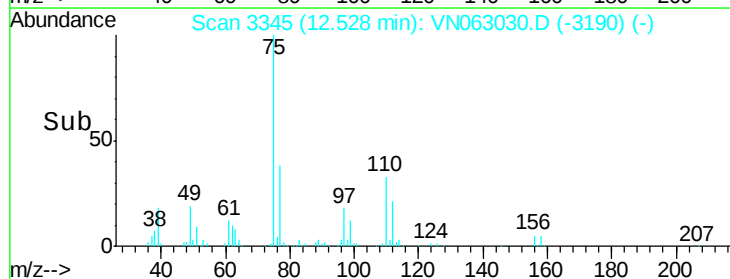
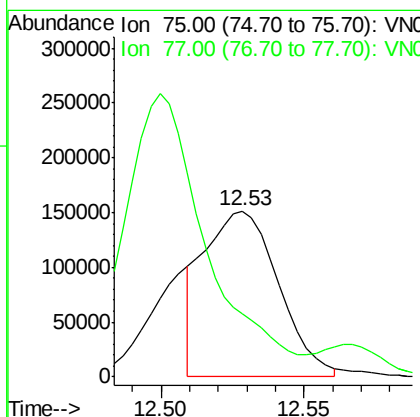
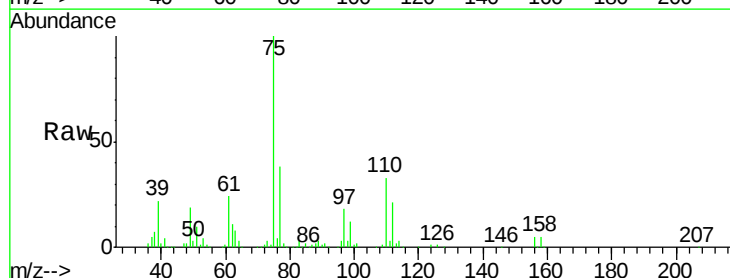
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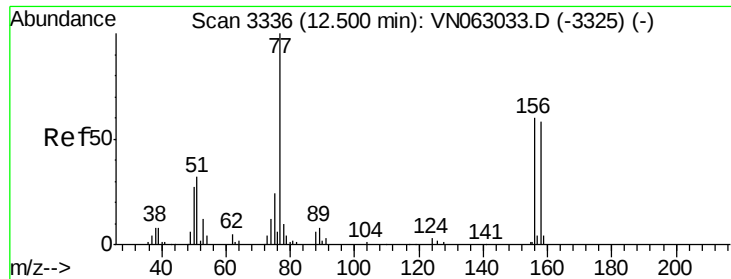
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 8/21/2020 9:22:34 AM



#72
 1,2,3-Trichloropropane
 Concen: 106.343 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion	75	Resp	273467
Ion Ratio	100	Lower	Upper
75	100		
77	190.2	0.0	387.8





#73

Bromobenzene

Concen: 103.569 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

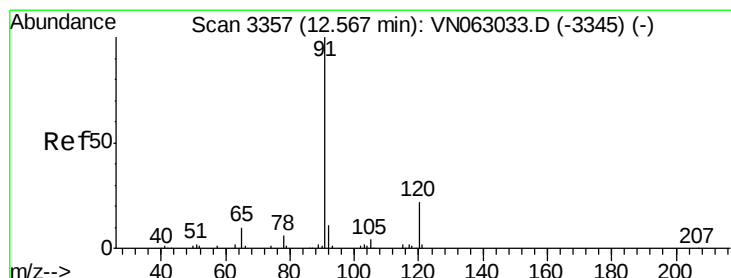
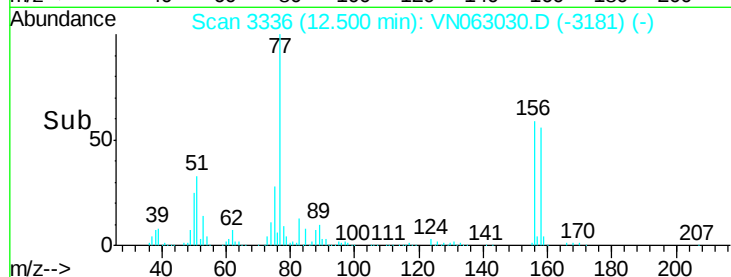
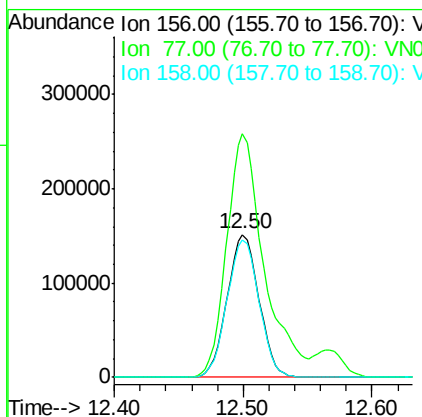
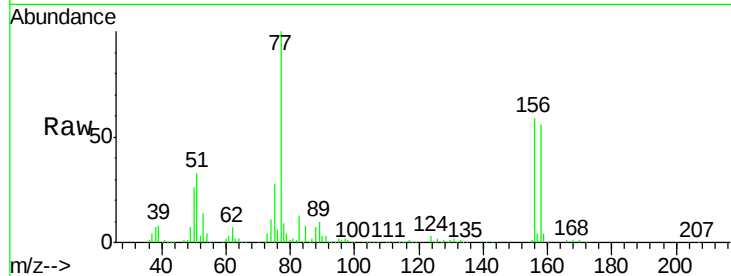
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
156	100	259142		
77	200.7	0.0	398.6	
158	97.0	0.0	195.4	

Manual Integrations
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#74

n-propylbenzene

Concen: 108.452 ug/l

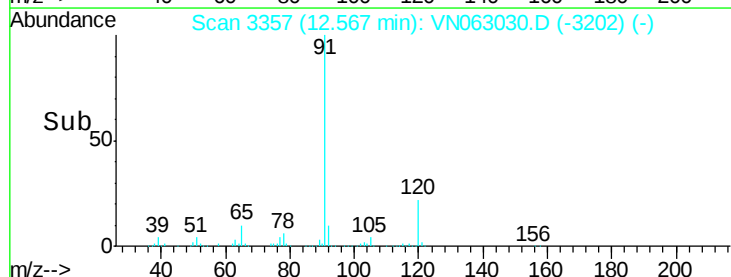
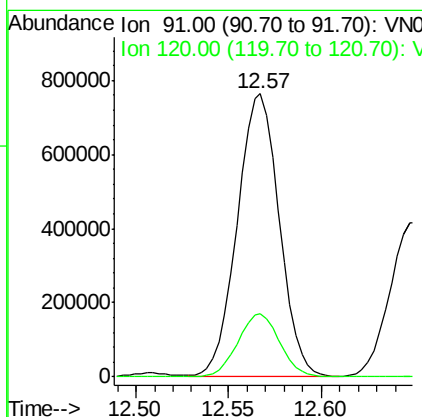
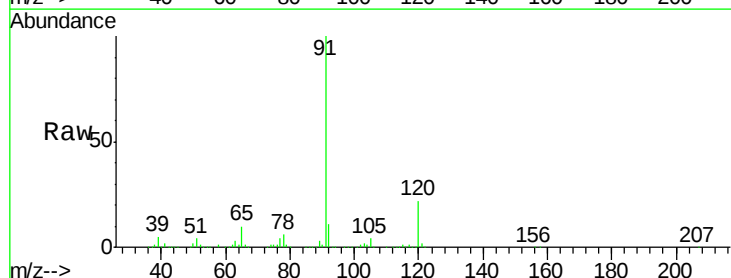
RT: 12.57 min Scan# 3357

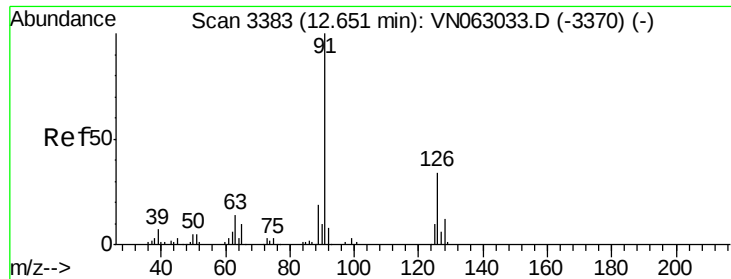
Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1207055		
120	22.2	0.0	44.0	





#75

2-Chlorotoluene

Concen: 105.572 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 700302

Ion Ratio Lower Upper

91 100

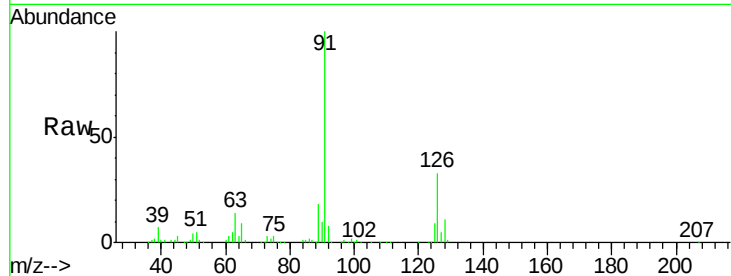
126 33.9 0.0 68.0

Manual Integrations

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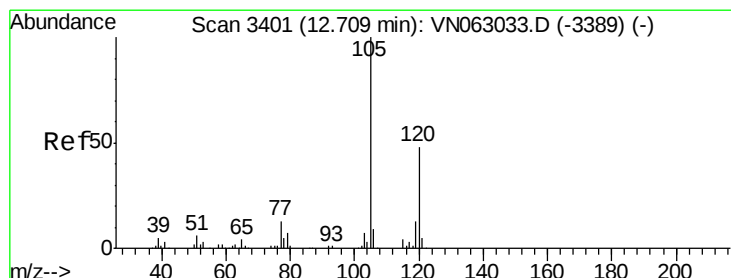
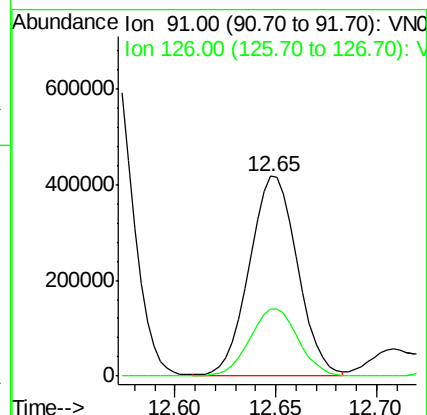
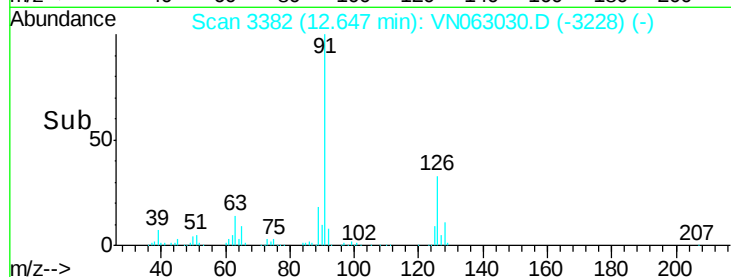
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN063033.D (-3370) (-)

Ion 126.00 (125.70 to 126.70): VN063033.D (-3370) (-)



#76

1,3,5-Trimethylbenzene

Concen: 109.419 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063030.D

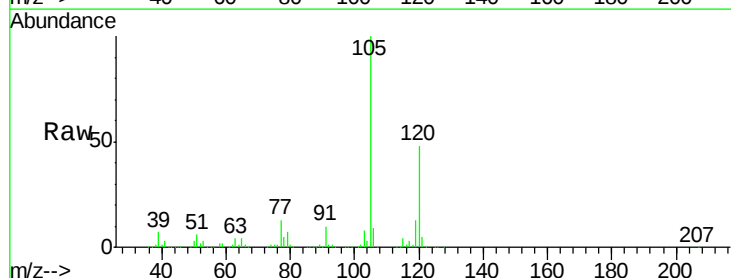
Acq: 20 Aug 2020 11:24

Tgt Ion: 105 Resp: 866394

Ion Ratio Lower Upper

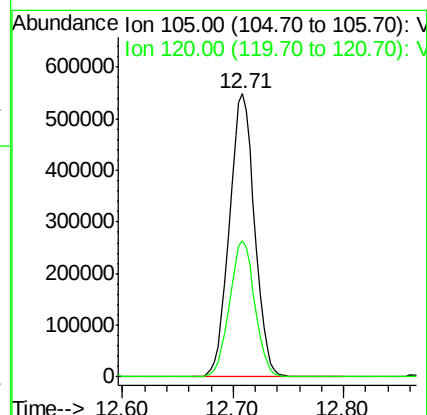
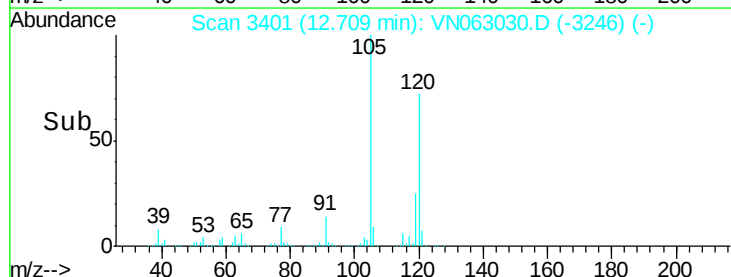
105 100

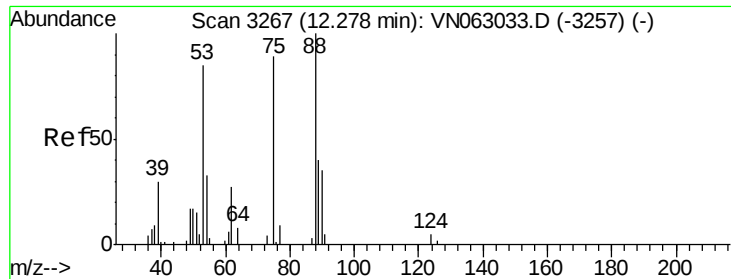
120 48.2 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN063033.D (-3389) (-)

Ion 120.00 (119.70 to 120.70): VN063033.D (-3389) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 112.280 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Instrument :

MSVOA_N

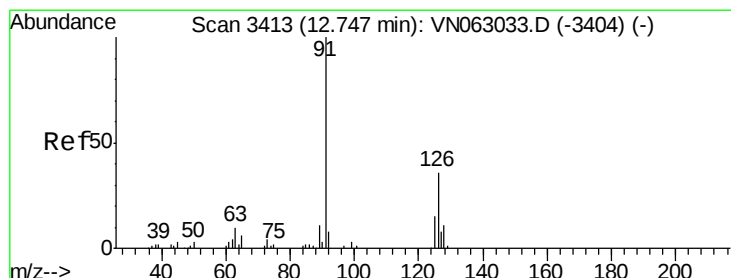
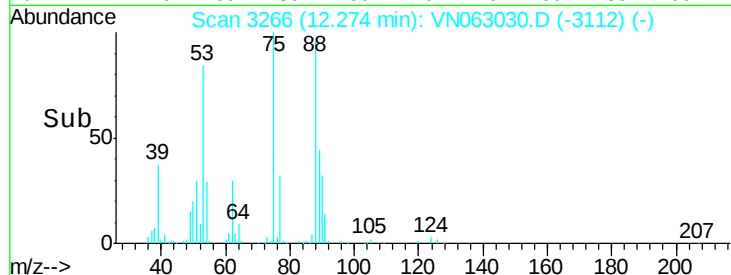
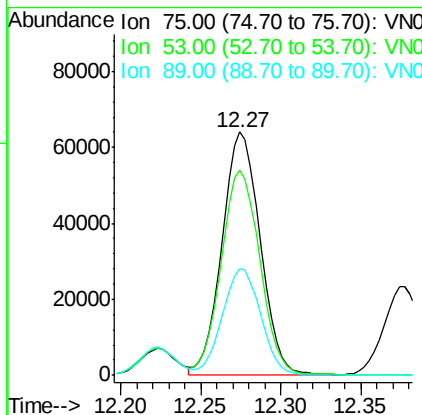
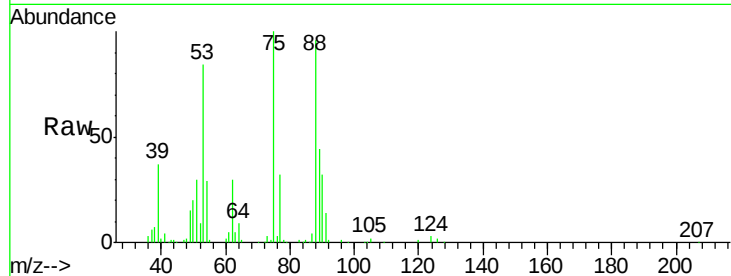
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	104770
Ion	Ratio	Lower	Upper
75	100		
53	84.4	47.0	141.0
89	44.2	22.9	68.7

Manual Integrations
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#78

4-Chlorotoluene

Concen: 107.386 ug/l

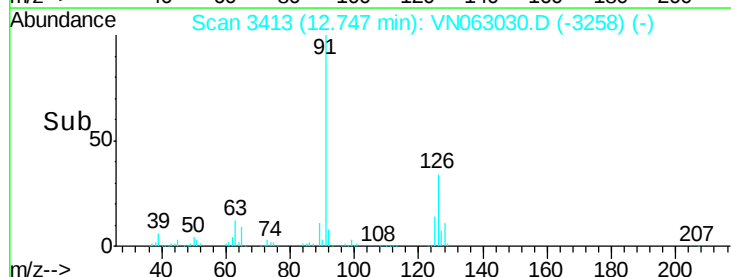
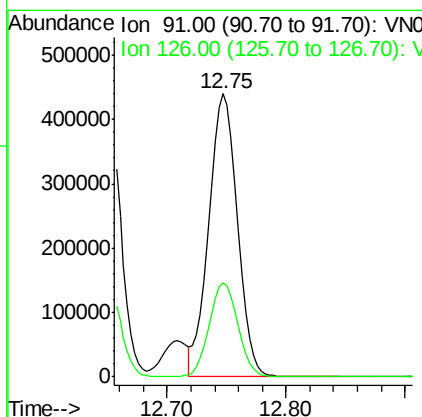
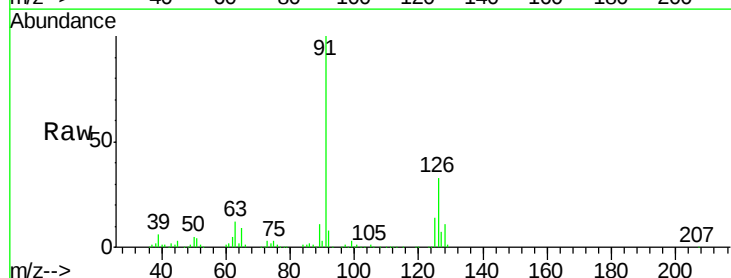
RT: 12.75 min Scan# 3413

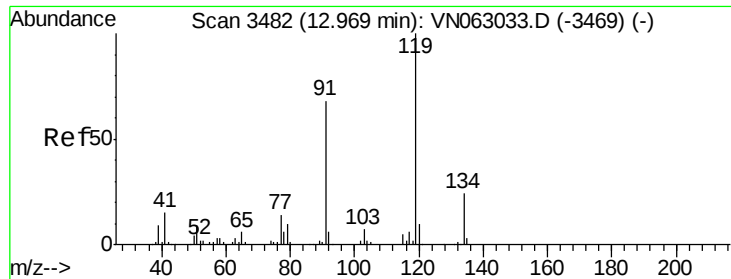
Delta R.T. -0.00 min

Lab File: VN063030.D

Acq: 20 Aug 2020 11:24

Tgt Ion:	91	Resp:	734427
Ion	Ratio	Lower	Upper
91	100		
126	33.2	0.0	65.0





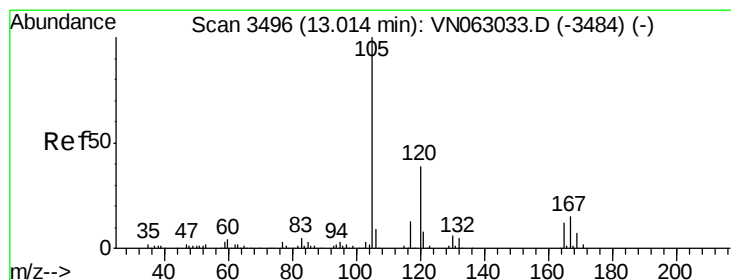
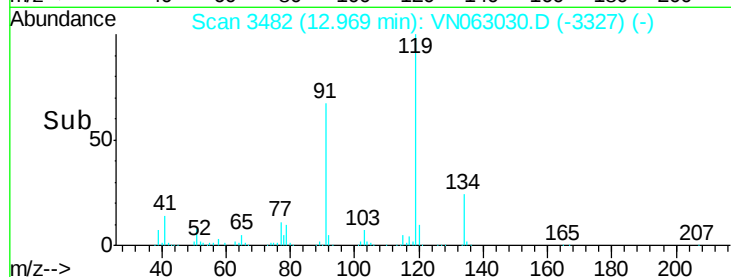
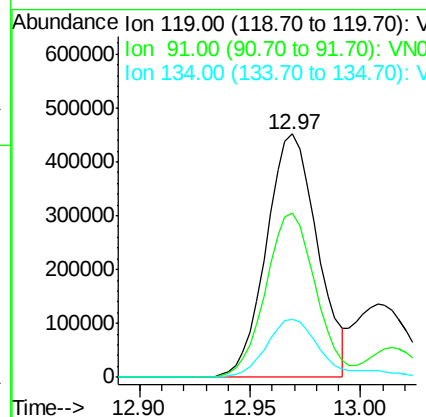
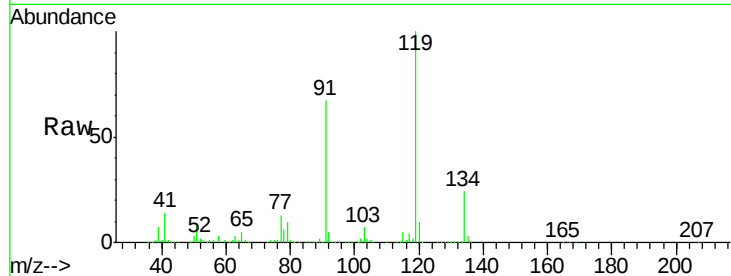
#79
tert-butylbenzene
Concen: 108.449 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	722521		
91	66.4	0.0	136.8	
134	24.2	0.0	48.8	

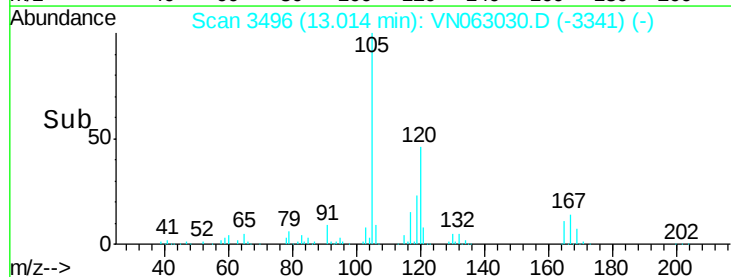
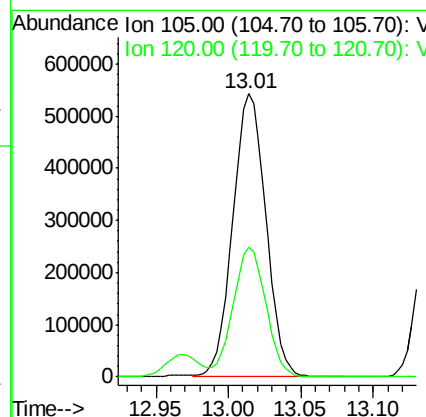
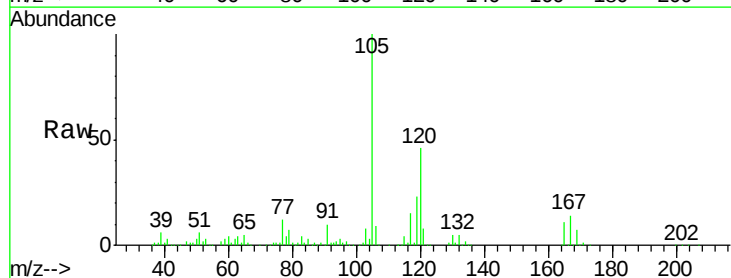
Manual Integrations
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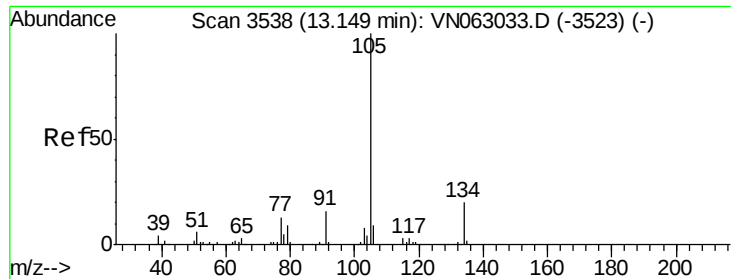
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#80
1,2,4-Trimethylbenzene
Concen: 111.539 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	859690		
120	45.7	0.0	90.4	





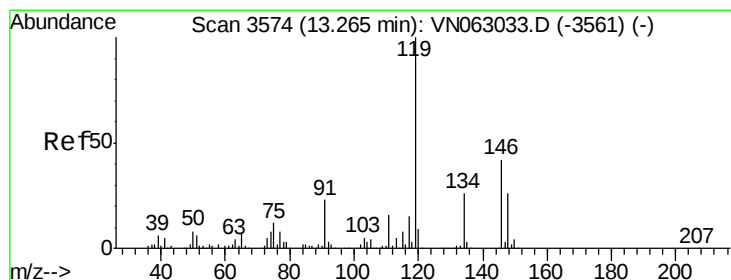
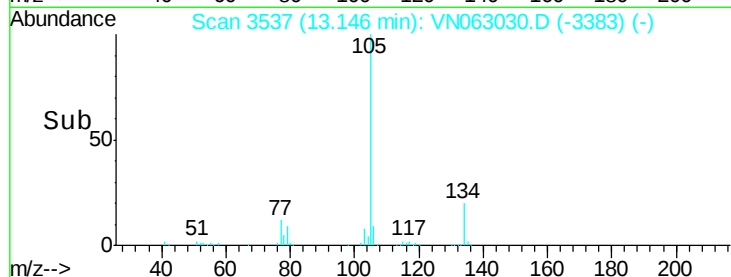
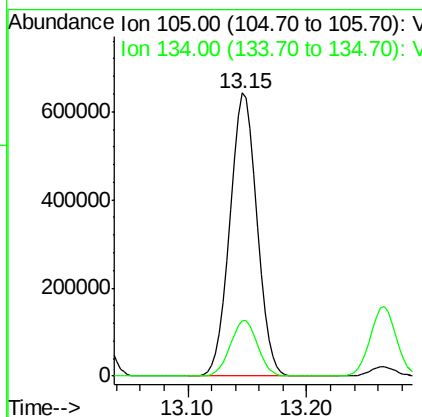
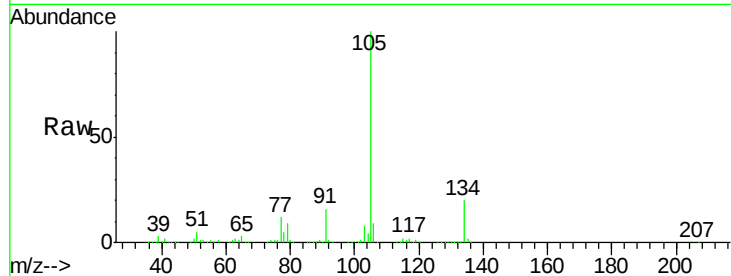
#81
 sec-Butylbenzene
 Concen: 110.270 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1011998
 Ion Ratio Lower Upper
 105 100
 134 19.8 0.0 39.4

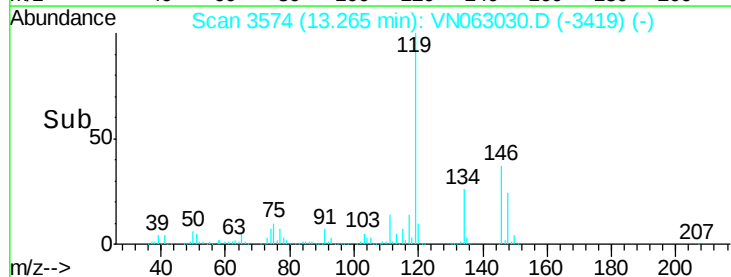
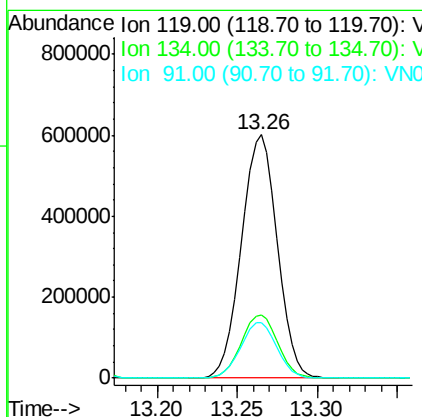
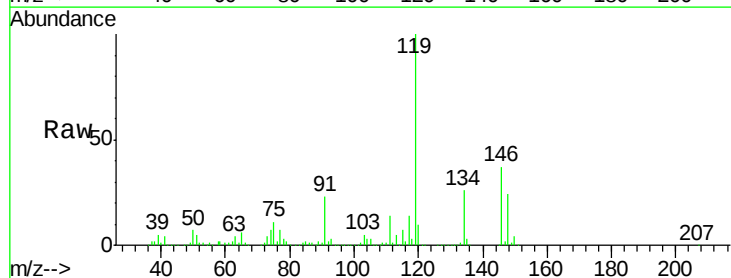
Manual Integrations
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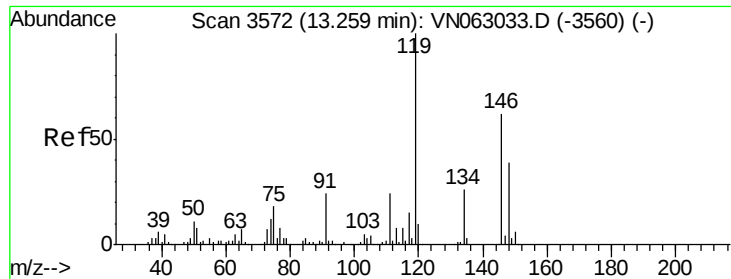
MMDadoda
 8/21/2020 9:22:34 AM



#82
 p-Isopropyltoluene
 Concen: 112.416 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion:119 Resp: 914630
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 52.2
 91 23.1 0.0 46.2





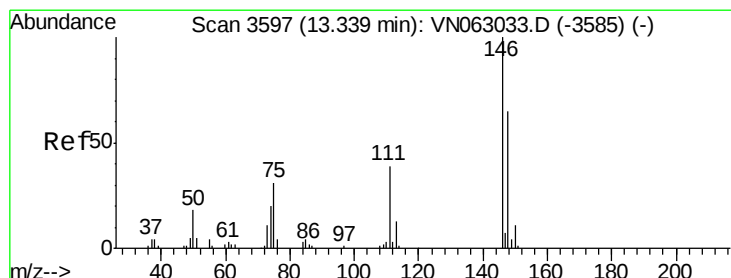
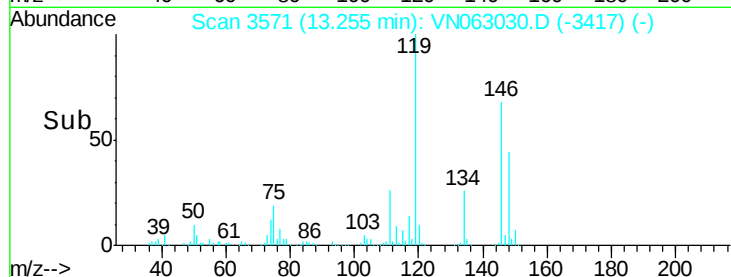
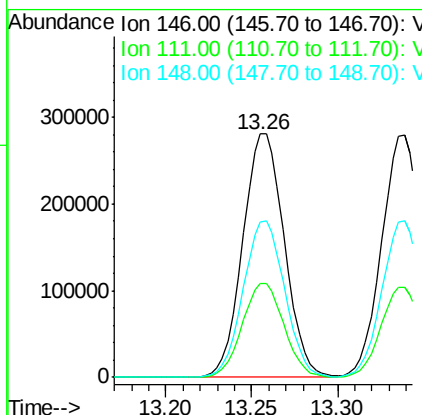
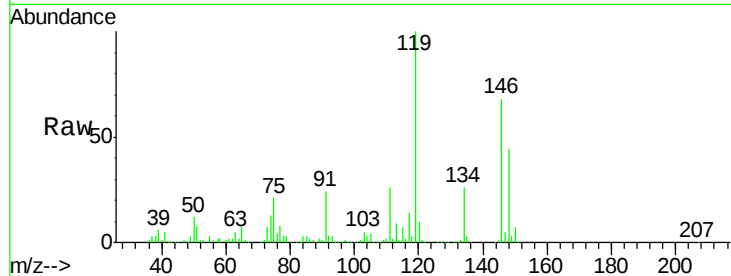
#83
 1,3-Dichlorobenzene
 Concen: 107.938 ug/l
 RT: 13.26 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.1
148	64.1	31.5	94.5

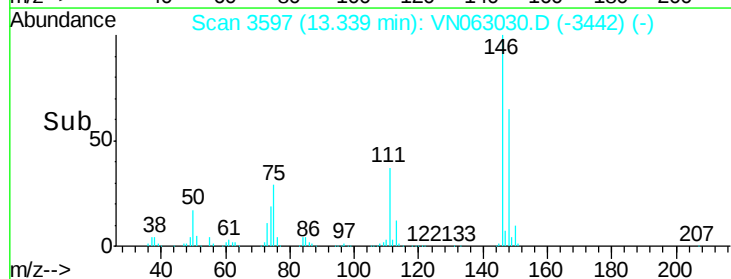
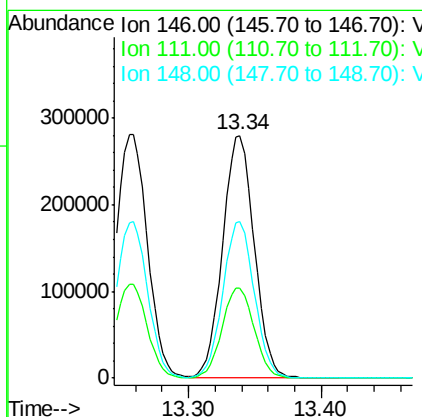
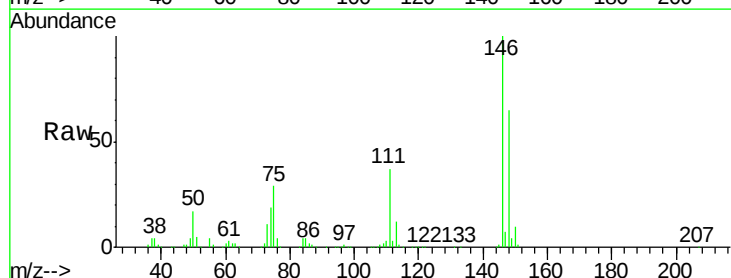
Manual Integrations
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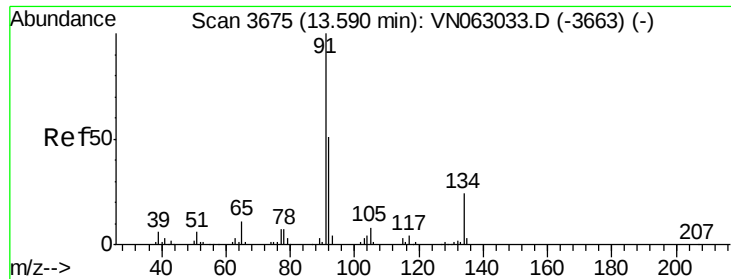
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 108.452 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.6	55.8
148	64.1	31.6	94.8





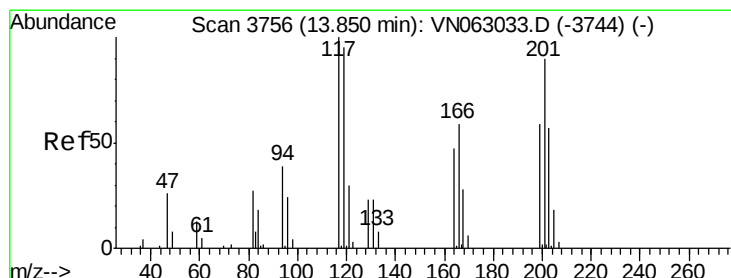
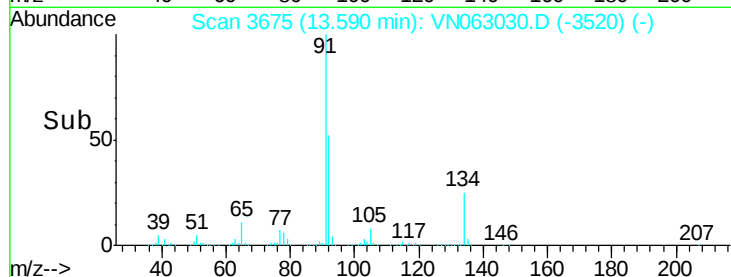
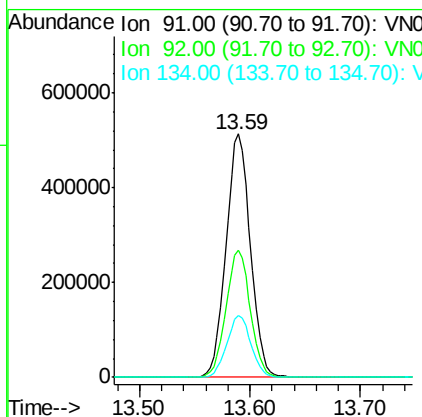
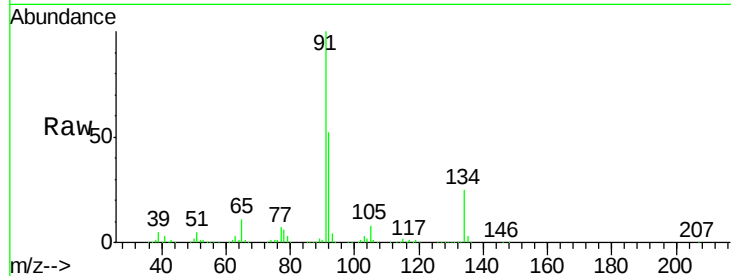
#85
n-Butylbenzene
Concen: 116.329 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
91	100	786541		
92	52.0		0.0	100.6
134	25.3		0.0	47.4

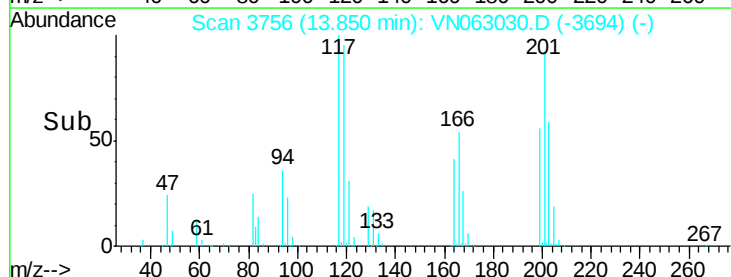
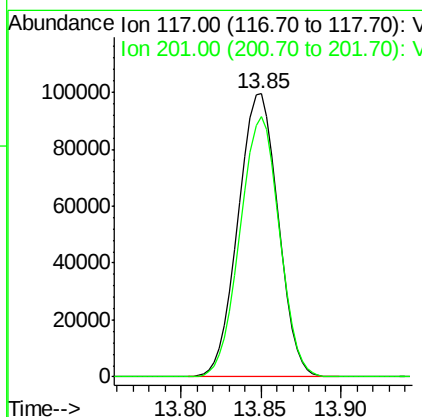
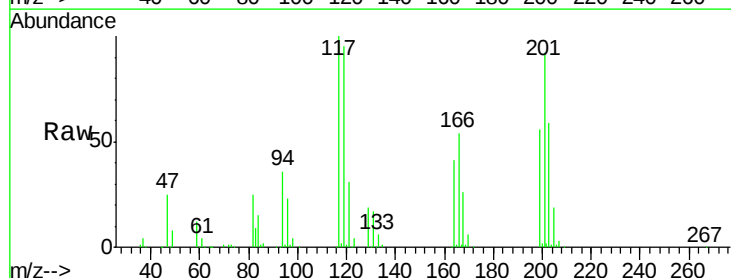
Manual Integrations
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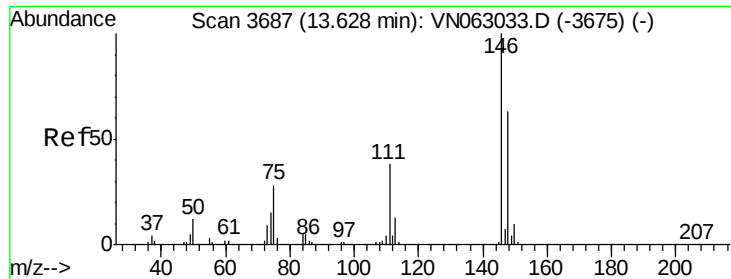
MMDadoda
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#86
Hexachloroethane
Concen: 106.097 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	170014		
201	90.4		46.1	138.3





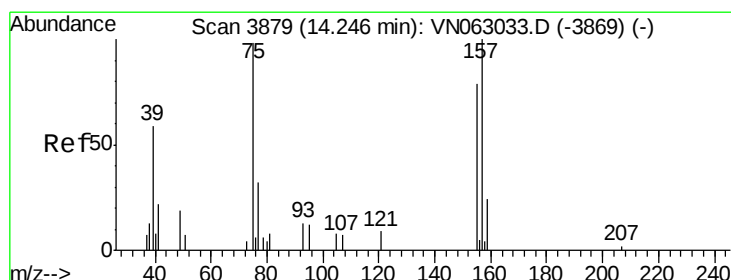
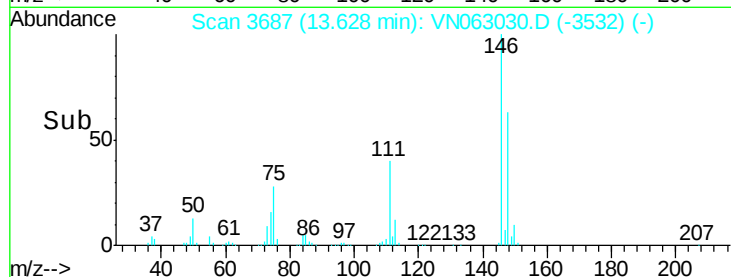
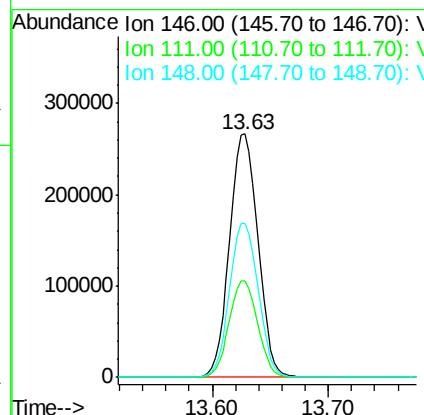
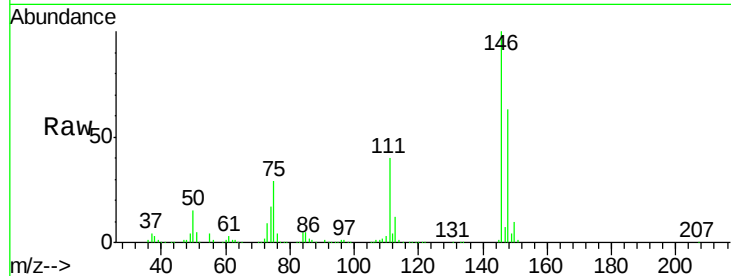
#87
 1,2-Dichlorobenzene
 Concen: 108.101 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.1	57.3
148	63.9	31.8	95.4

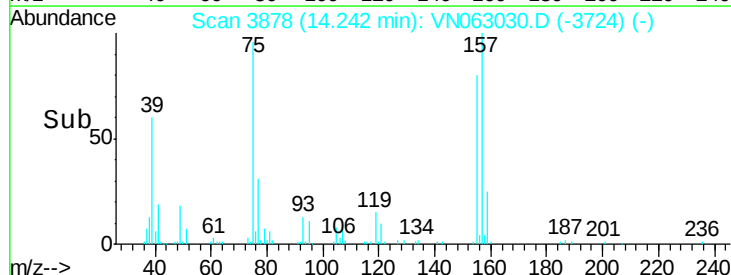
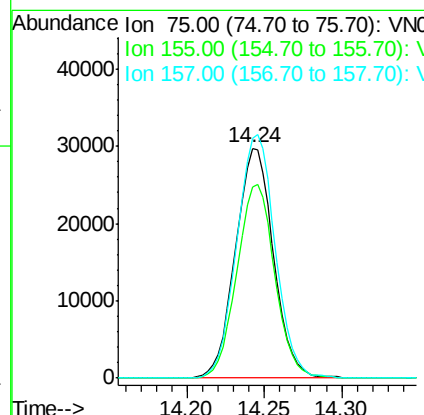
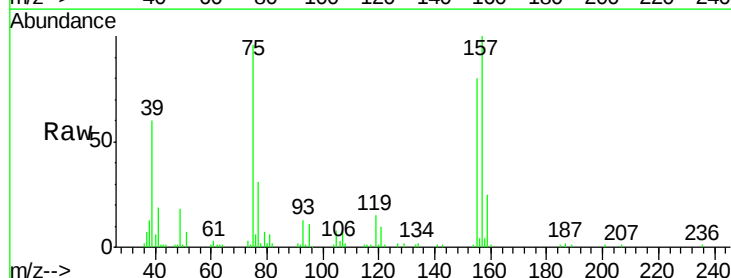
Manual Integrations
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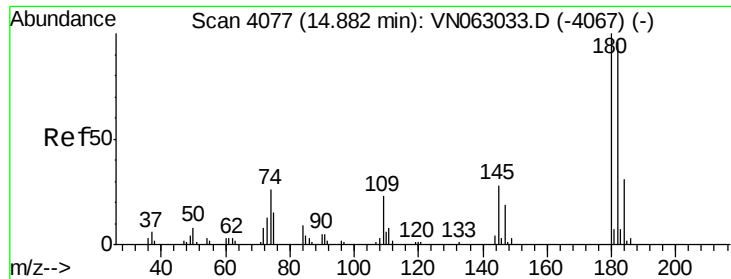
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 8/21/2020 9:22:34 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 107.448 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	64.8	97.2
157	107.0	81.2	121.8





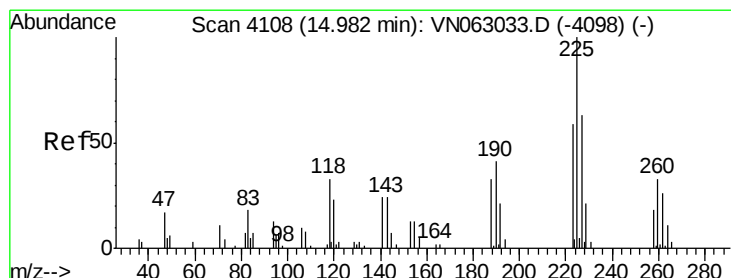
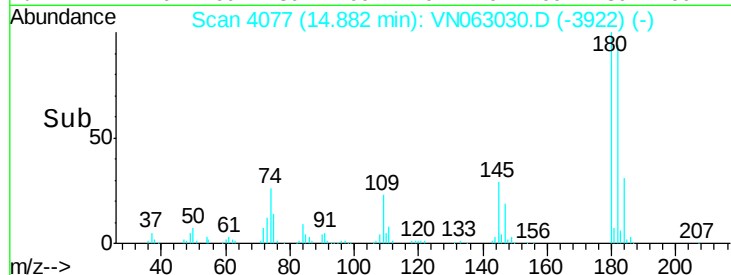
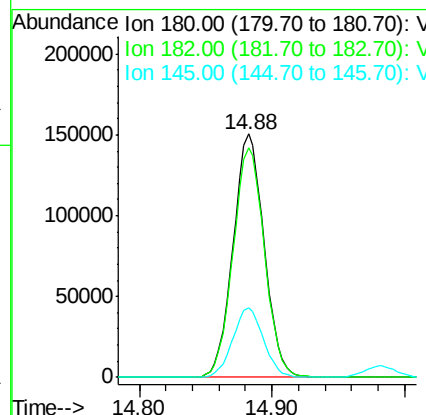
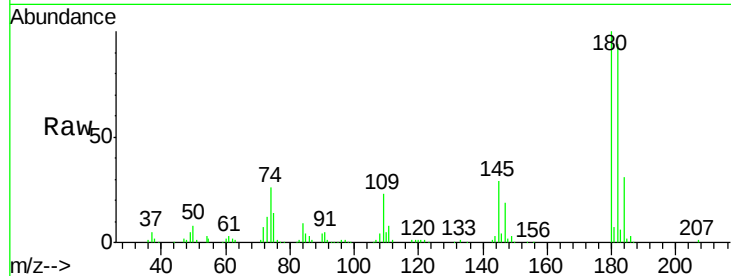
#89
 1,2,4-Trichlorobenzene
 Concen: 118.375 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	244423		
182	95.6	76.9	115.3	
145	28.2	21.9	32.9	

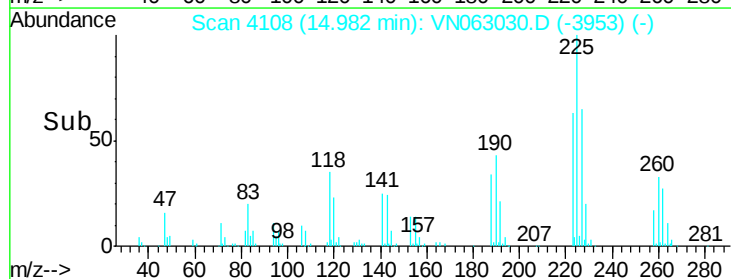
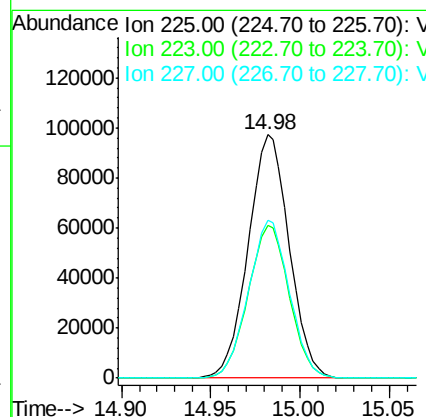
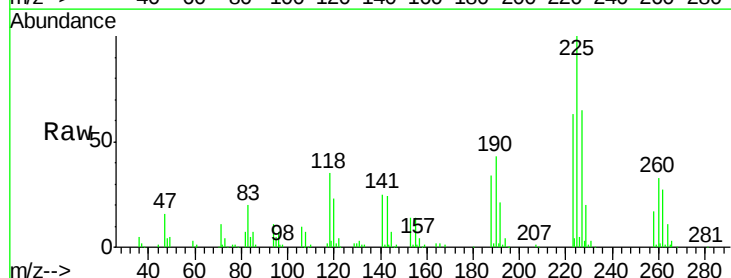
Manual Integrations
 APPROVED

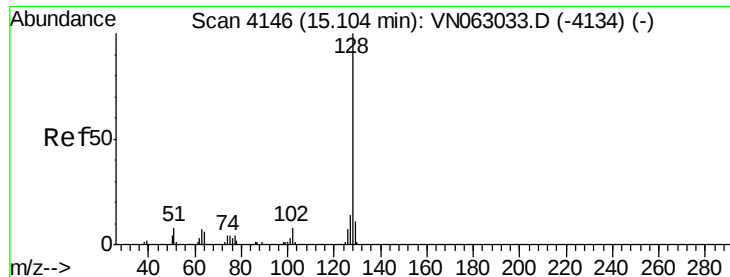
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 8/21/2020 9:22:34 AM



#90
 Hexachlorobutadiene
 Concen: 102.389 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063030.D
 Acq: 20 Aug 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	156483		
223	62.9	0.0	122.8	
227	64.8	0.0	125.6	





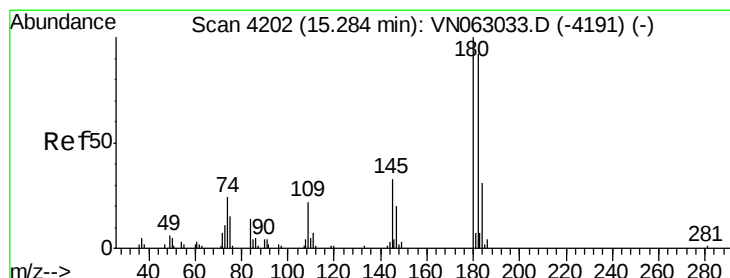
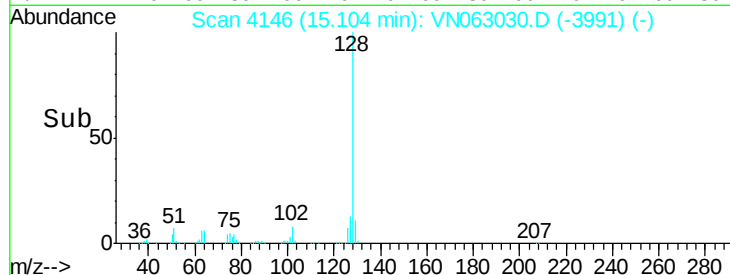
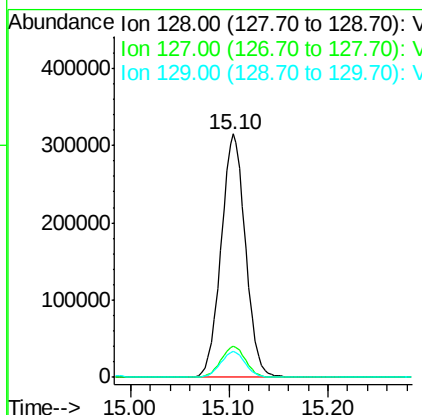
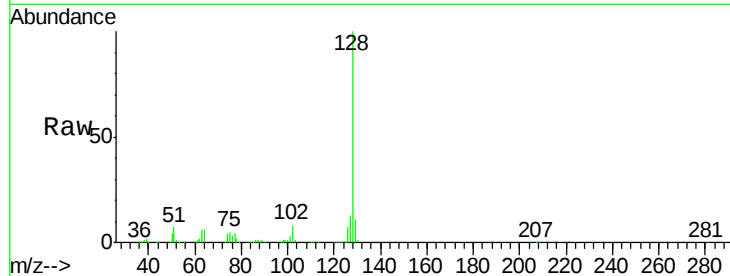
#91
Naphthalene
Concen: 119.740 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:	128	Resp:	546321
Ion Ratio	Lower	Upper	
128	100		
127	12.8	11.1	16.7
129	10.7	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:22:34 AM



#92
1,2,3-Trichlorobenzene
Concen: 115.951 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN063030.D
Acq: 20 Aug 2020 11:24

Tgt Ion:	180	Resp:	239024
Ion Ratio	Lower	Upper	
180	100		
182	94.9	0.0	188.0
145	30.6	0.0	62.0

