

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063029.D
 Acq On : 20 Aug 2020 10:59
 Operator : JC/MD
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 8/21/2020 9:22:40 AM

Quant Time: Aug 20 14:01:41 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	31982	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	161461	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	155374	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	68005	30.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.03%
60) 4-Bromofluorobenzene	12.37	95	76489	31.15	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	103.83%
63) Toluene-d8	10.06	98	216488	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	128051	56.000	ug/l 98
3) Chloromethane	2.03	50	136442	53.924	ug/l 98
4) Vinyl Chloride	2.16	62	138724	54.461	ug/l 100
5) Bromomethane	2.52	94	80805	51.464	ug/l 99
6) Chloroethane	2.66	64	80848	53.704	ug/l 99
7) Trichlorofluoromethane	2.98	101	164968	53.705	ug/l 99
8) Diethyl Ether	3.37	74	52581	51.468	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	86169	51.881	ug/l 99
10) 1,1-Dichloroethene	3.70	96	77524	51.944	ug/l 99
11) Methyl Iodide	3.91	142	114097	55.720	ug/l 97
12) Methyl Acetate	4.28	43	102957	51.754	ug/l 100
13) Acrolein	3.57	56	53180	260.830	ug/l 97
14) Acrylonitrile	4.93	53	227609	261.296	ug/l 98
15) Acetone	3.77	58	68538	271.863	ug/l 97
16) Carbon Disulfide	4.01	76	208514	52.043	ug/l 99
17) Allyl chloride	4.27	41	140109	51.162	ug/l 96
18) Methylene Chloride	4.50	84	102171	48.929	ug/l 99
19) trans-1,2-Dichloroethene	4.99	96	85551	52.129	ug/l 97
20) Diisopropyl ether	5.90	45	347339	54.153	ug/l 92
21) 1,1-Dichloroethane	5.80	63	181685	51.613	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	104850	51.554	ug/l 99
23) tert-Butyl Alcohol	4.74	59	68096	238.619	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	290659	53.087	ug/l 99
25) Chloroform	7.33	83	181989	51.913	ug/l 98
26) Cyclohexane	7.61	56	165897	54.746	ug/l # 99
29) 1,1-Dichloropropene	7.75	75	126317	53.871	ug/l 99
30) 2-Butanone	6.79	43	293408	268.468	ug/l 100
31) 2,2-Dichloropropane	6.77	77	152357	53.456	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	149983	53.108	ug/l 99
33) Carbon Tetrachloride	7.73	117	127834	53.156	ug/l 96
34) Benzene	8.00	78	400452	53.293	ug/l # 92
35) Methacrylonitrile	7.14	41	57817m	56.727	ug/l
36) 1,2-Dichloroethane	8.09	62	135507	52.859	ug/l 98
37) Trichloroethene	8.80	130	96509	52.445	ug/l 100
38) Methylcyclohexane	9.05	83	163390	55.555	ug/l 97
39) 1,2-Dichloropropane	9.09	63	116931	53.468	ug/l 98
40) Dibromomethane	9.18	93	67642	53.273	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.37	83	148032	52.610	ug/l	99
42) Vinyl Acetate	5.84	43	1088499	262.913	ug/l	100
43) Ethyl Acetate	6.88	43	109810	52.641	ug/l	100
44) Isopropyl Acetate	8.12	43	183054	52.273	ug/l #	84
45) 1,4-Dioxane	9.17	88	36089	1100.337	ug/l	95
46) Methyl methacrylate	9.17	41	91179	52.884	ug/l	99
47) n-amyl Acetate	12.05	43	167454	53.876	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	157796	53.100	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	174448	53.931	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	103195	52.711	ug/l	98
51) Ethyl methacrylate	10.40	69	144924	54.410	ug/l	100
52) 1,3-Dichloropropane	10.68	76	172160	53.227	ug/l	99
53) Dibromochloromethane	10.87	129	115462	53.745	ug/l	99
54) 1,2-Dibromoethane	10.98	107	100114	53.307	ug/l	97
55) 2-Chloroethyl vinyl ether	9.66	63	141609	258.830	ug/l	99
56) Bromoform	12.10	173	83766	53.247	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	599750	268.330	ug/l	99
59) 2-Hexanone	10.72	43	430399	269.939	ug/l	97
61) Tetrachloroethene	10.60	164	88667	52.056	ug/l	95
62) Toluene	10.12	91	435419	52.877	ug/l	98
64) Chlorobenzene	11.41	112	270670	53.122	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	108027	53.491	ug/l	100
66) Ethyl Benzene	11.48	91	486993	54.254	ug/l	99
67) m/p-Xylenes	11.60	106	373351	111.027	ug/l	99
68) o-Xylene	11.92	106	175285	54.264	ug/l	99
69) Styrene	11.94	104	317792	56.318	ug/l	99
70) Isopropylbenzene	12.22	105	485817	55.287	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	148669	52.758	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	131868m	54.145	ug/l	
73) Bromobenzene	12.50	156	127271	53.708	ug/l	99
74) n-propylbenzene	12.57	91	581695	55.185	ug/l	100
75) 2-Chlorotoluene	12.65	91	339906	54.105	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	416649	55.560	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	47700	53.976	ug/l	96
78) 4-Chlorotoluene	12.75	91	351554	54.276	ug/l	98
79) tert-butylbenzene	12.97	119	347830	55.126	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	410755	56.271	ug/l	100
81) sec-Butylbenzene	13.15	105	482882	55.556	ug/l	100
82) p-Isopropyltoluene	13.26	119	433656	56.279	ug/l	100
83) 1,3-Dichlorobenzene	13.26	146	227030	54.872	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	223827	55.351	ug/l	100
85) n-Butylbenzene	13.59	91	349651	54.603	ug/l	98
86) Hexachloroethane	13.85	117	82238	54.189	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	220370	55.613	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	23755	53.146	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	107878	55.166	ug/l	99
90) Hexachlorobutadiene	14.98	225	77265	53.381	ug/l	98
91) Naphthalene	15.10	128	224556	51.968	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	104081	53.312	ug/l	98

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ClientSampleId :
VSTDICC050

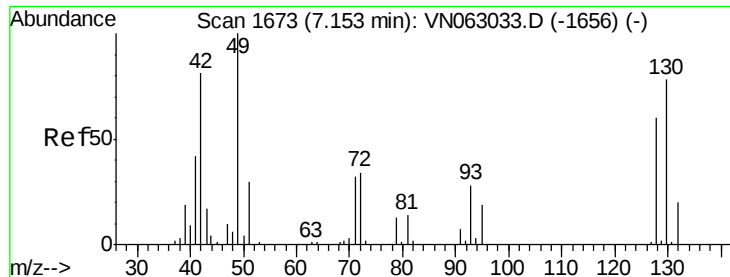
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



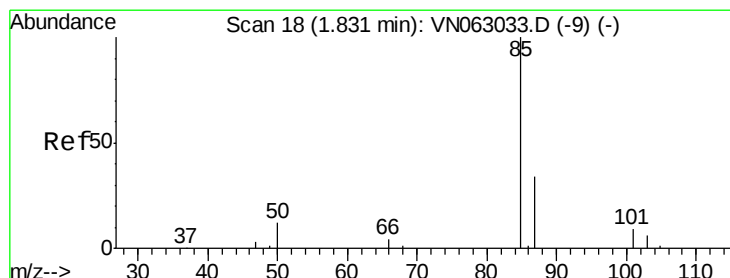
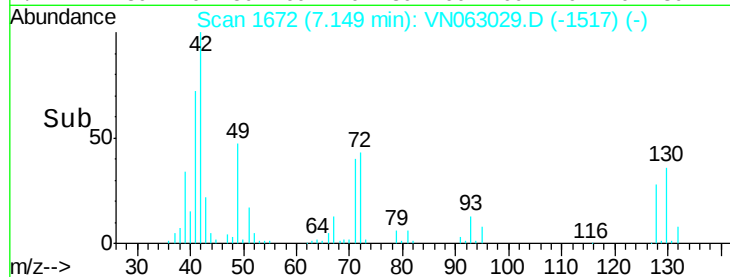
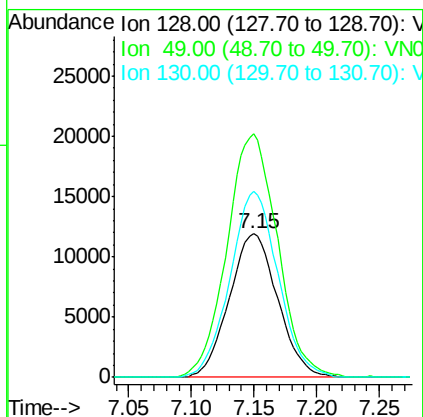
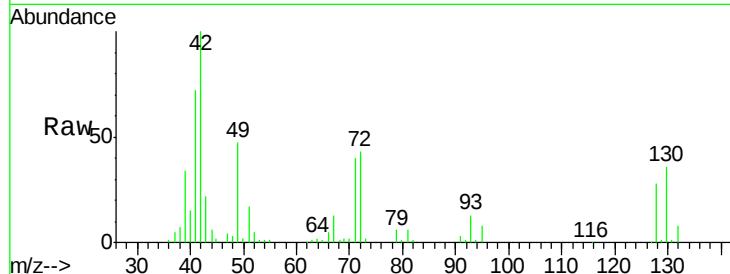
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	176.6	0.0	437.5
130	128.7	0.0	327.3

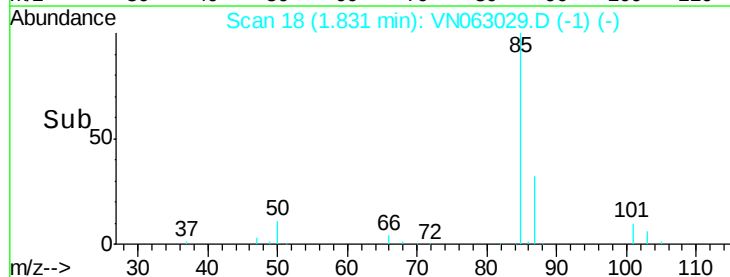
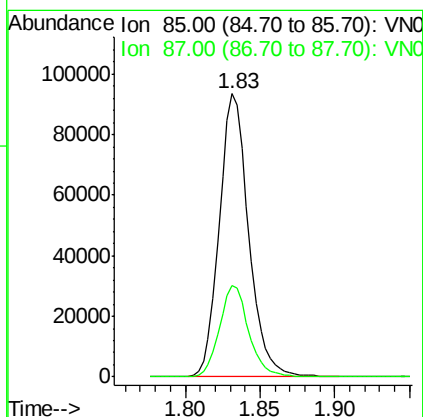
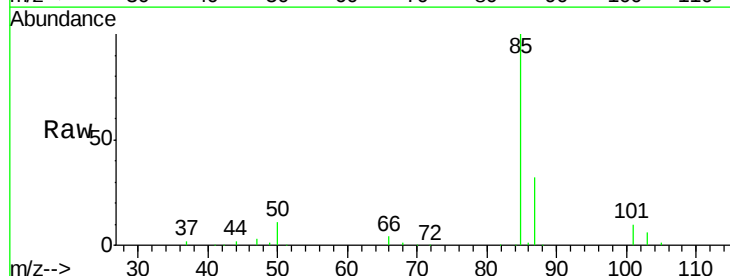
Manual Integrations
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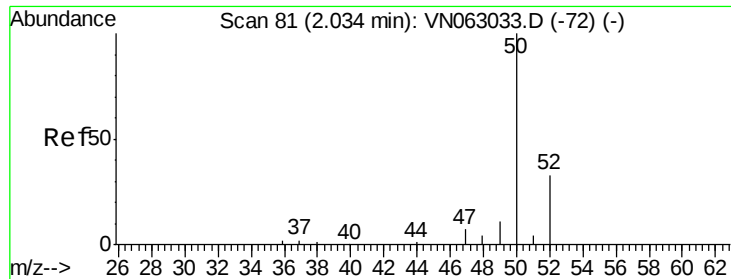
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#2
Dichlorodifluoromethane
Concen: 56.000 ug/l
RT: 1.83 min Scan# 18
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.9	50.6





#3

Chloromethane

Concen: 53.924 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 136442

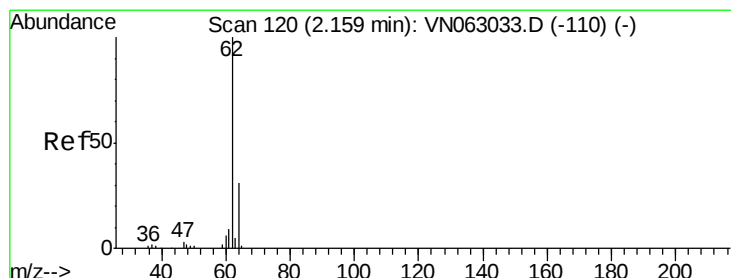
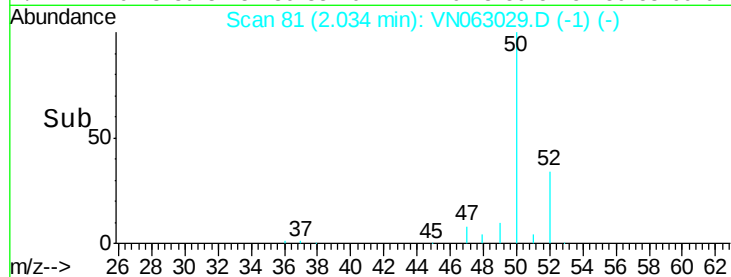
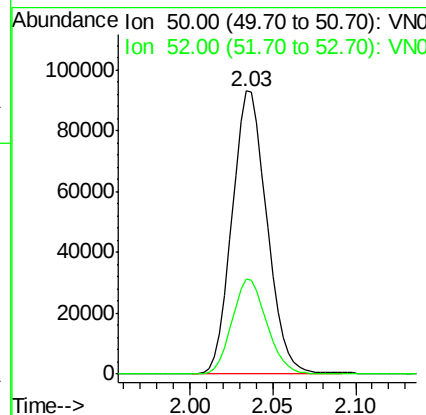
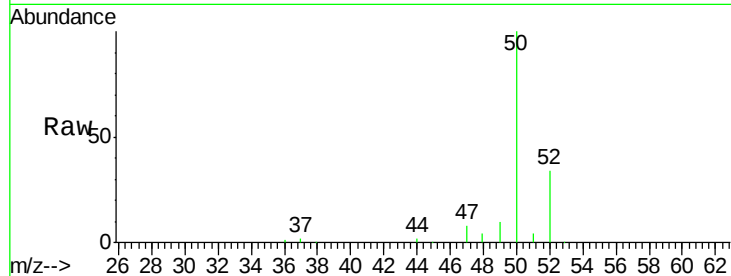
Ion Ratio Lower Upper

50 100

52 33.6 26.0 39.0

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#4

Vinyl Chloride

Concen: 54.461 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN063029.D

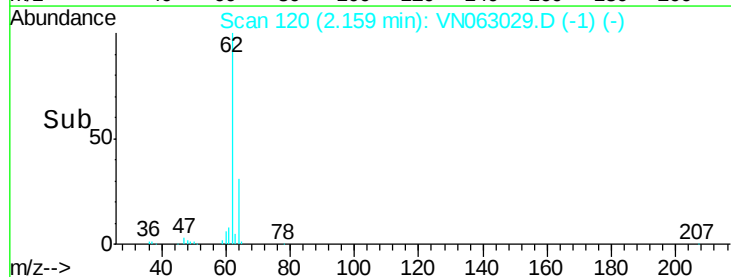
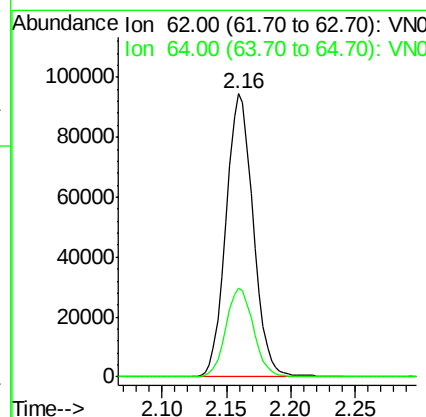
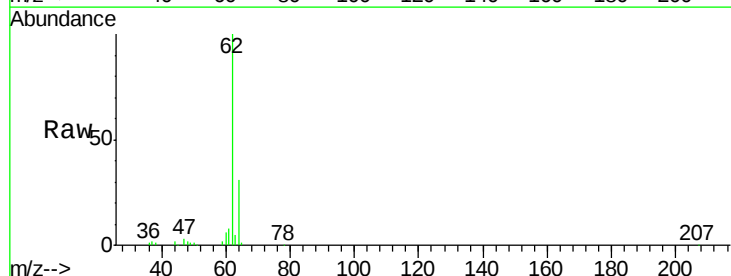
Acq: 20 Aug 2020 10:59

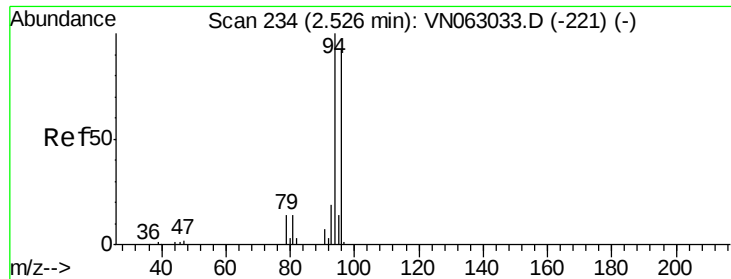
Tgt Ion: 62 Resp: 138724

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.4





#5

Bromomethane

Concen: 51.464 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 94 Resp: 80805

Ion Ratio Lower Upper

94 100

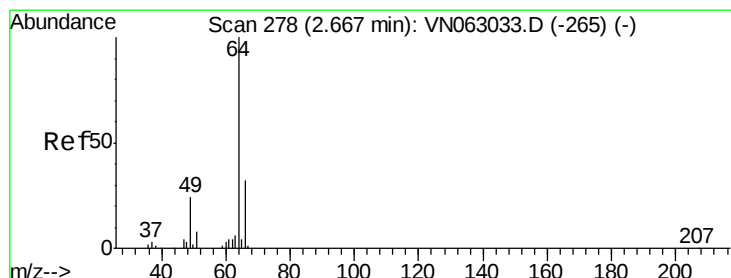
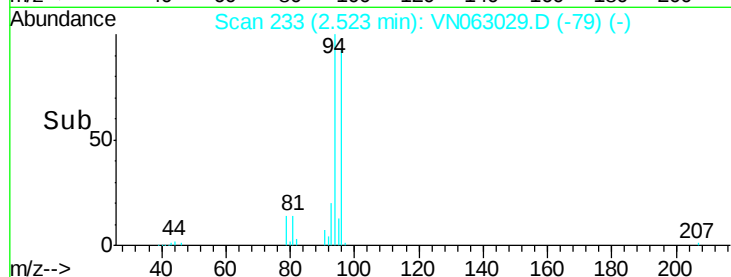
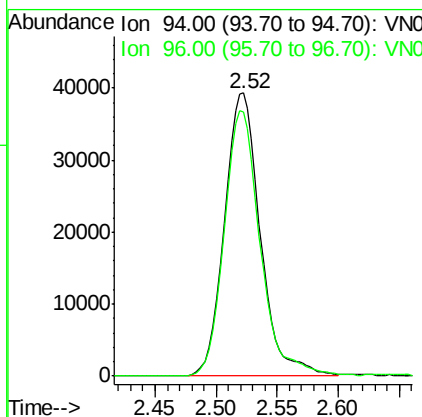
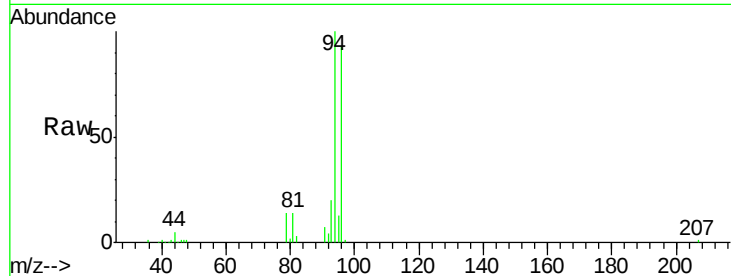
96 93.4 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 53.704 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.00 min

Lab File: VN063029.D

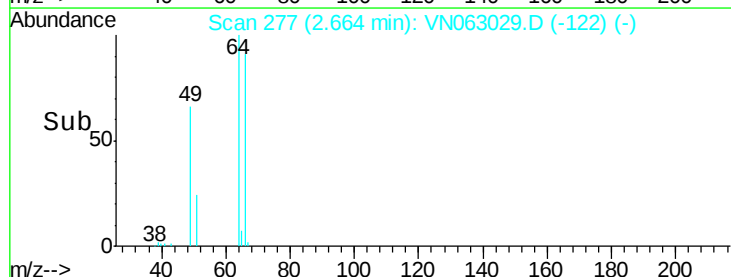
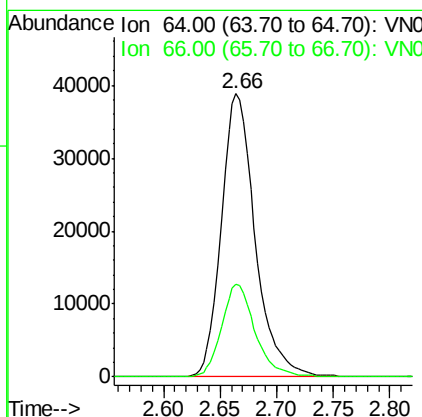
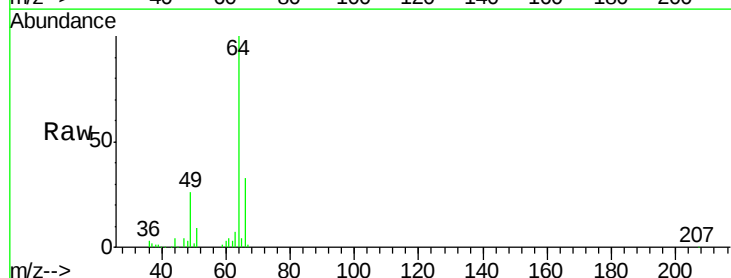
Acq: 20 Aug 2020 10:59

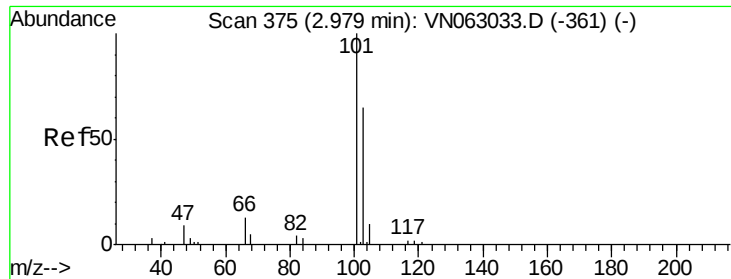
Tgt Ion: 64 Resp: 80848

Ion Ratio Lower Upper

64 100

66 32.8 25.8 38.8





#7

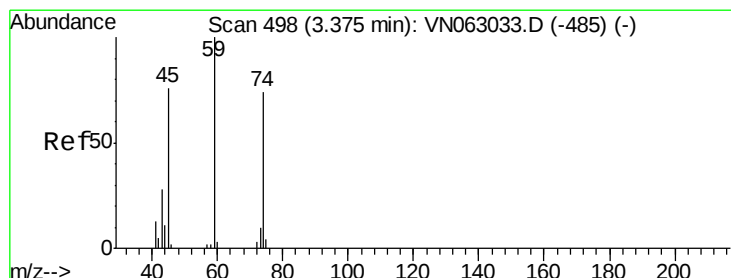
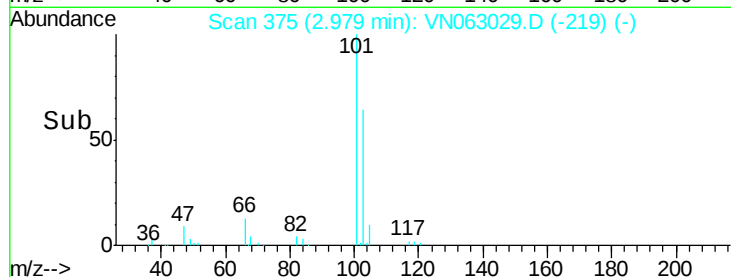
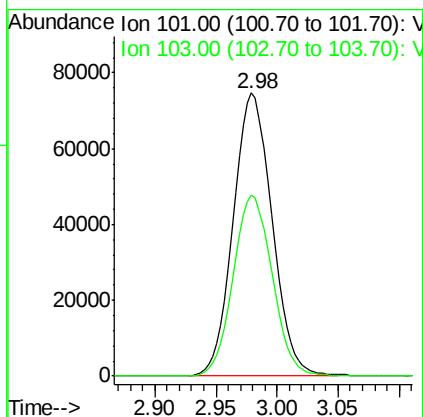
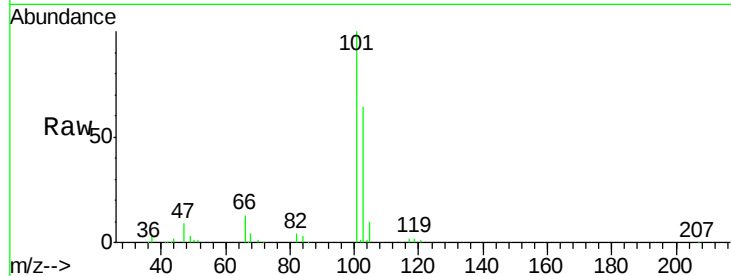
Trichlorofluoromethane
 Concen: 53.705 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.9	77.9

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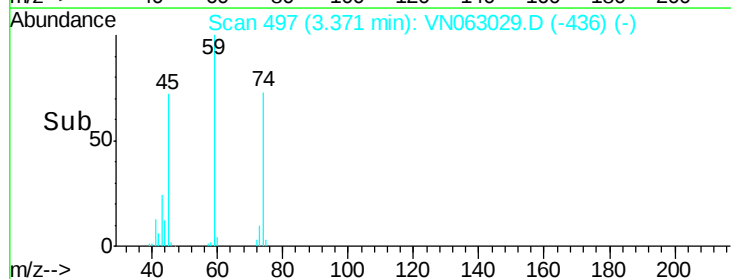
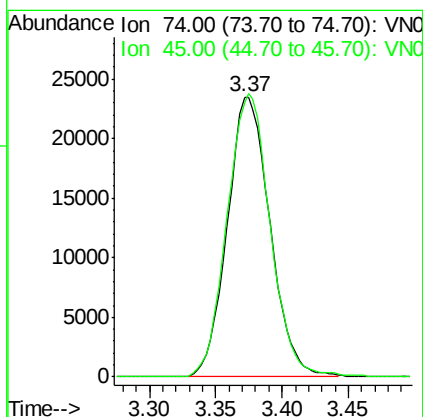
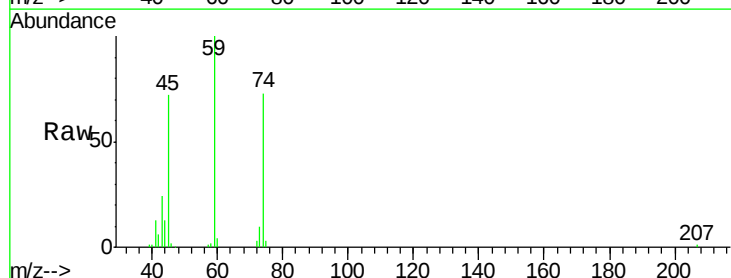
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 8/21/2020 9:22:40 AM

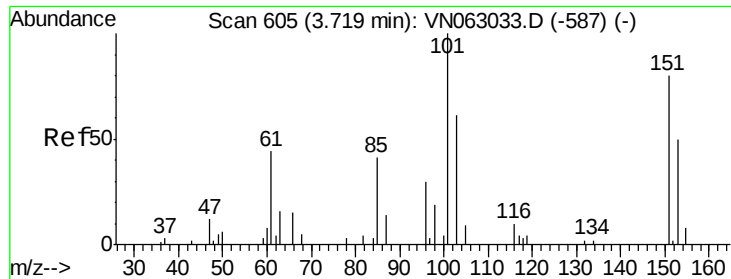


#8

Diethyl Ether
 Concen: 51.468 ug/l
 RT: 3.37 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.9	20.6	185.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.881 ug/l

RT: 3.72 min Scan# 605

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

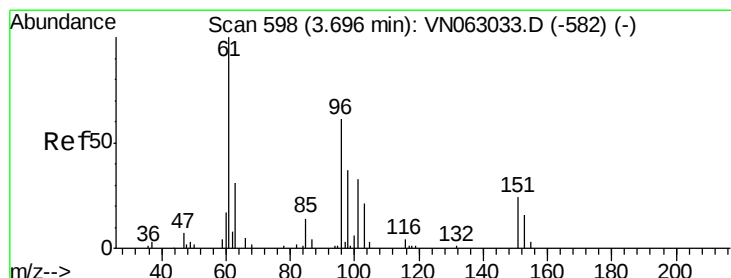
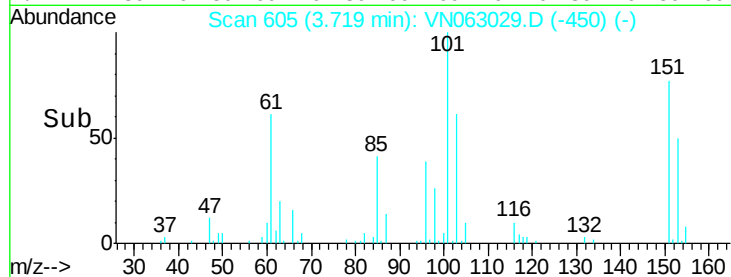
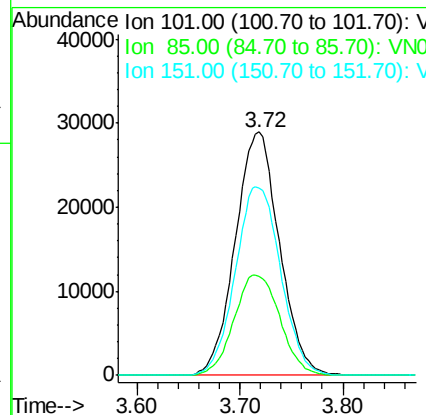
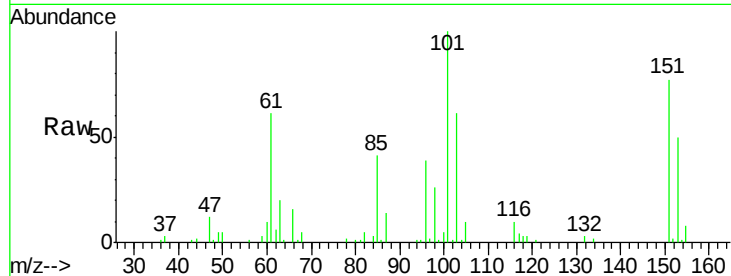
ClientSampled :

VSTDIC050

Tot Ion:	101	Resp:	86169
Ion Ratio	Lower	Upper	
101	100		
85	42.7	0.0	85.0
151	79.7	0.0	161.6

Manual Integrations
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8/21/2020 9:22:40 AM



#10

1,1-Dichloroethene

Concen: 51.944 ug/l

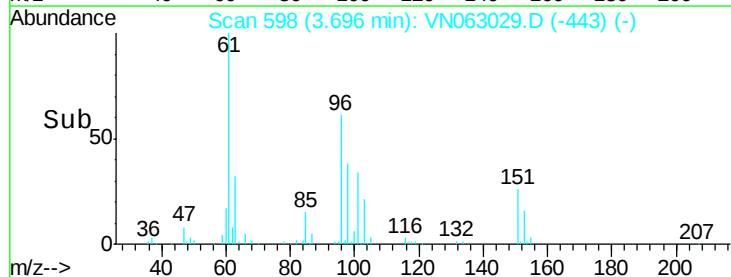
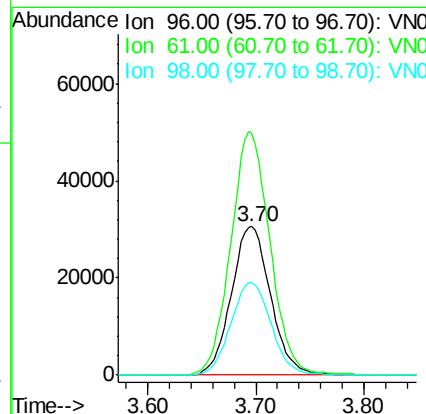
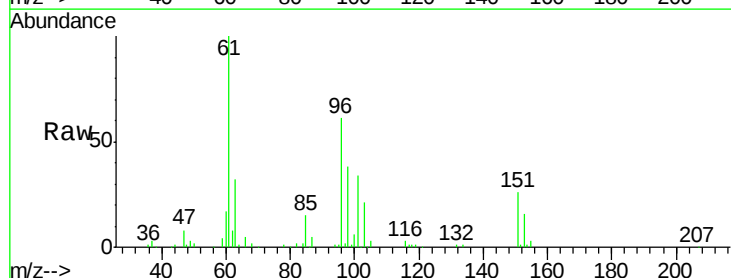
RT: 3.70 min Scan# 598

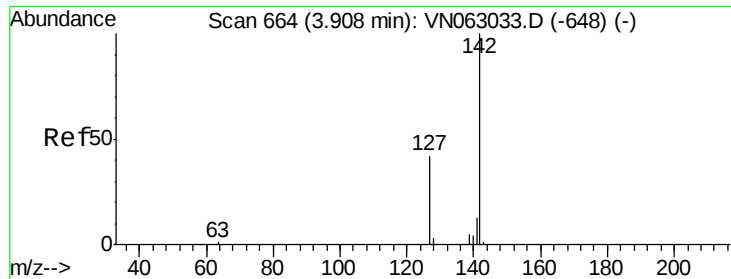
Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Tgt Ion:	96	Resp:	77524
Ion Ratio	Lower	Upper	
96	100		
61	161.9	130.8	196.2
98	62.1	49.0	73.4





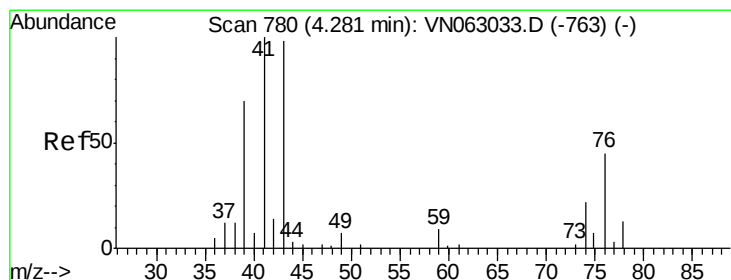
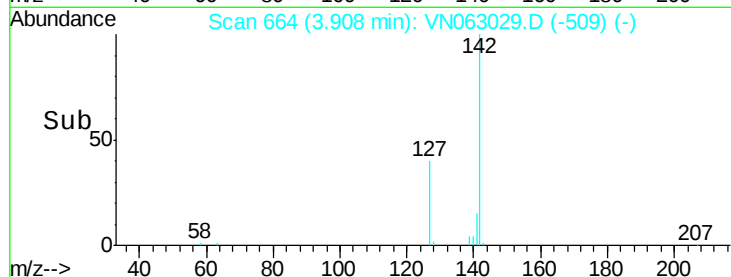
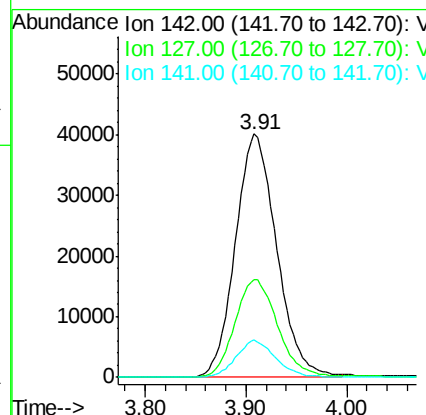
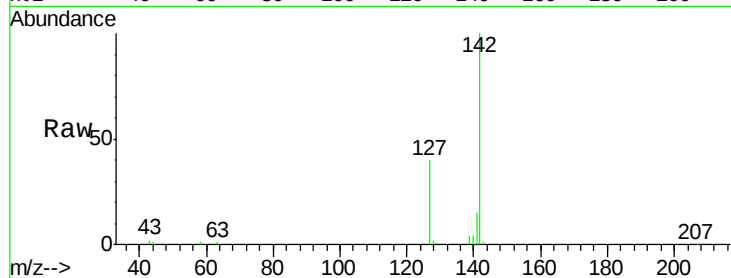
#11
Methvl Iodide
Concen: 55.720 ug/l
RT: 3.91 min Scan# 664
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.1	20.9	62.8
141	15.3	6.7	20.1

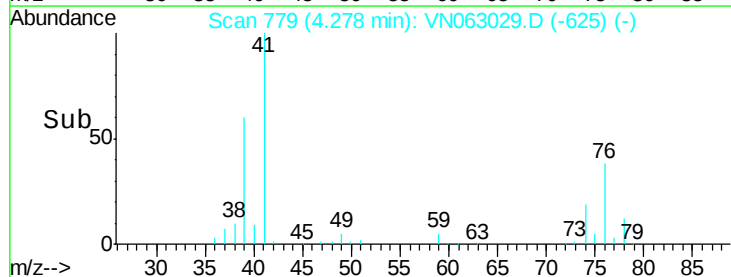
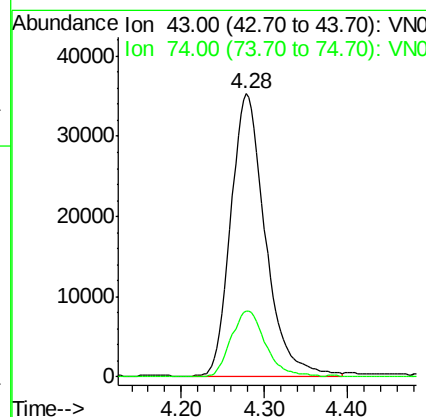
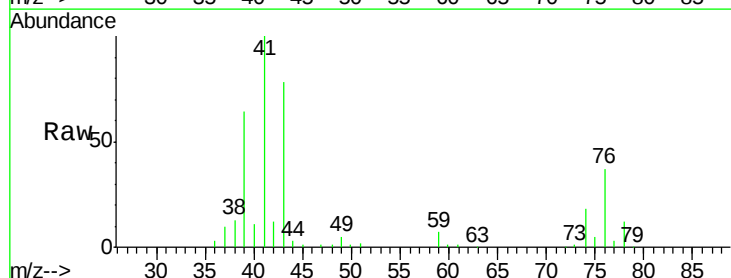
Manual Integrations
APPROVED

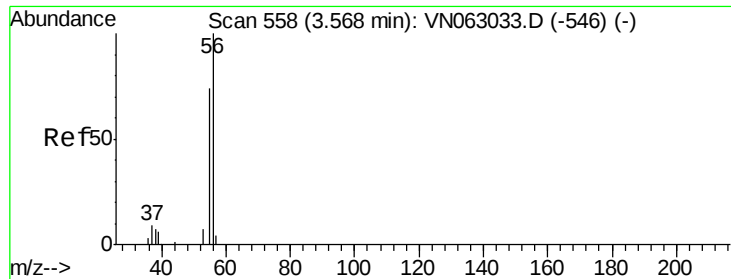
MMDadoda
8/21/2020 9:22:40 AM



#12
Methyl Acetate
Concen: 51.754 ug/l
RT: 4.28 min Scan# 779
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.6	27.8





#13

Acrolein

Concen: 260.830 ug/l

RT: 3.57 min Scan# 558

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 53180

Ion Ratio Lower Upper

56 100

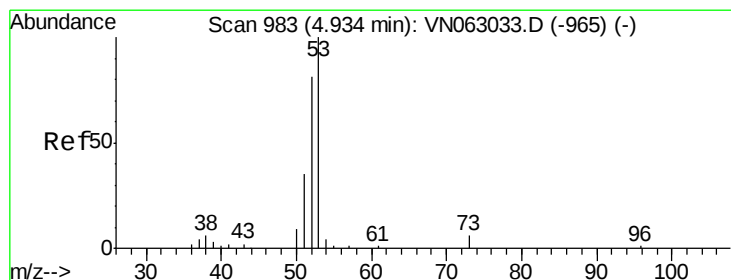
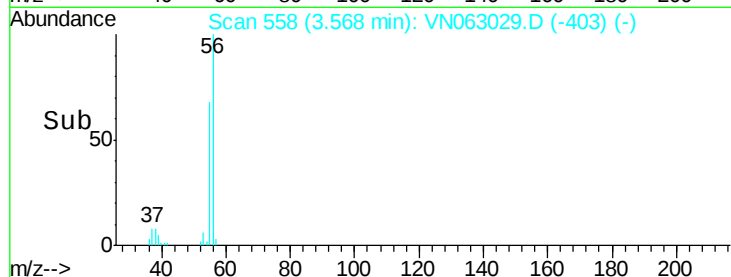
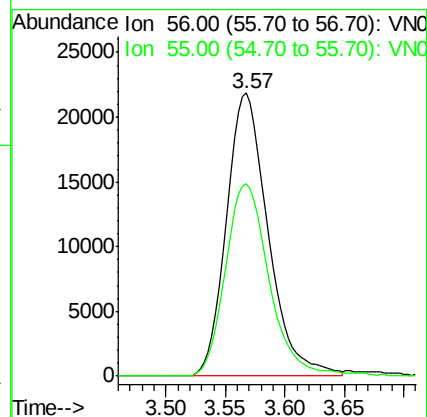
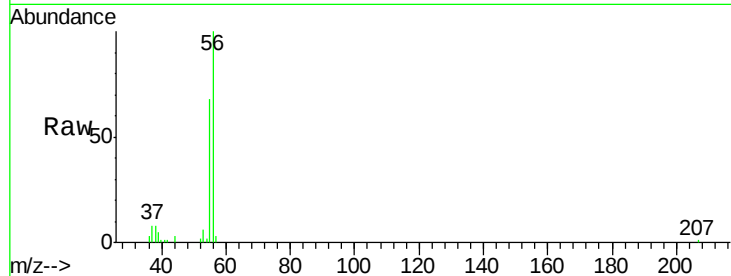
55 70.9 58.7 88.1

Manual Integrations

APPROVED

MMDadoda

8/21/2020 9:22:40 AM



#14

Acrylonitrile

Concen: 261.296 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.01 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

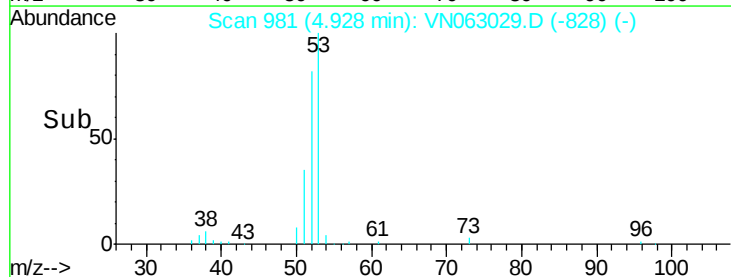
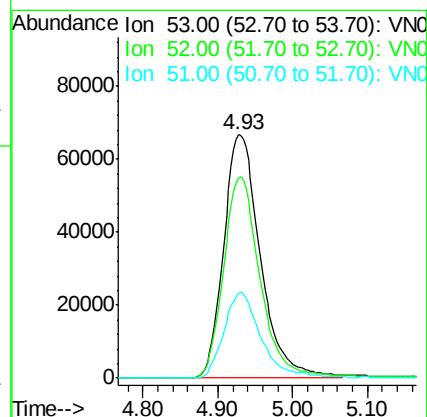
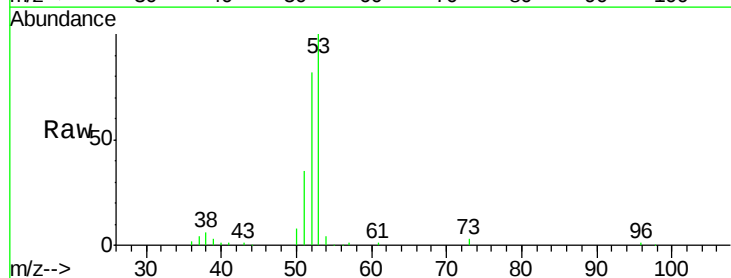
Tgt Ion: 53 Resp: 227609

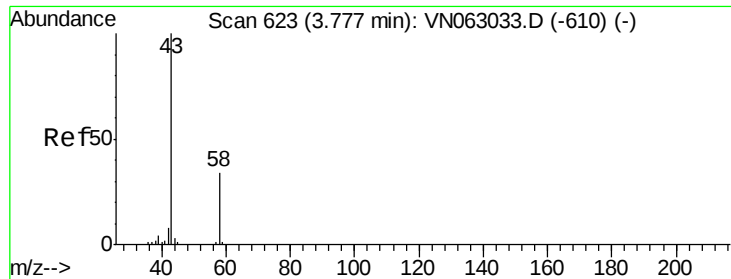
Ion Ratio Lower Upper

53 100

52 81.7 39.9 119.7

51 35.7 17.0 51.0





#15

Acetone

Concen: 271.863 ug/l

RT: 3.77 min Scan# 622

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 58 Resp: 68538

Ion Ratio Lower Upper

58 100

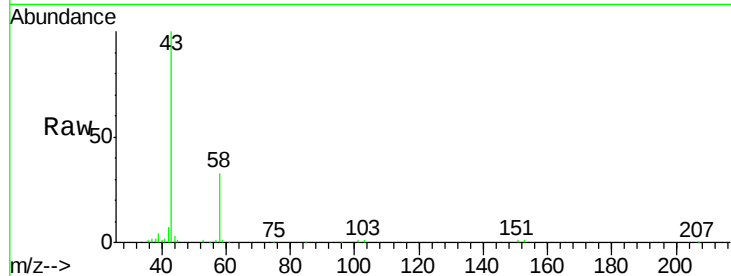
43 297.6 233.2 349.8

Manual Integrations

APPROVED

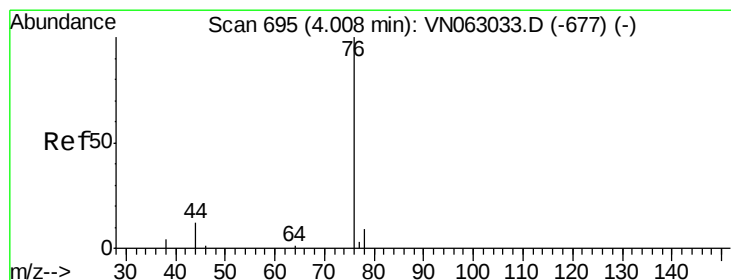
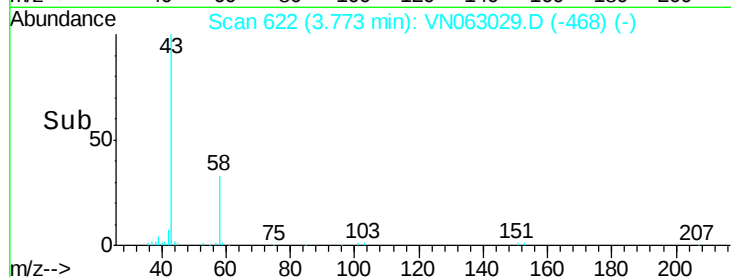
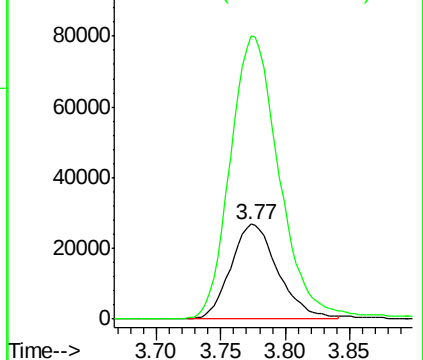
MMDadoda

8/21/2020 9:22:40 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 52.043 ug/l

RT: 4.01 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN063029.D

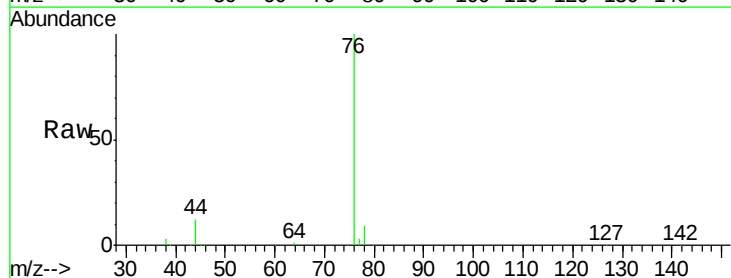
Acq: 20 Aug 2020 10:59

Tgt Ion: 76 Resp: 208514

Ion Ratio Lower Upper

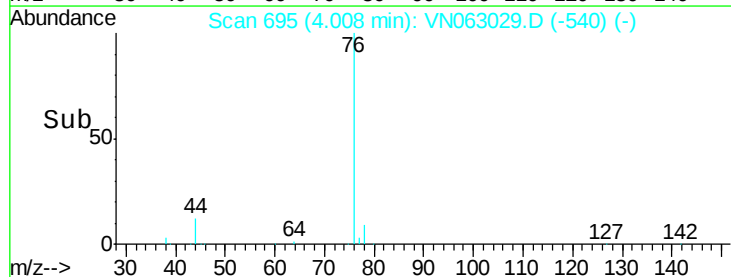
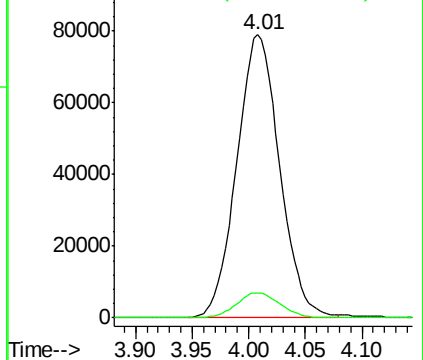
76 100

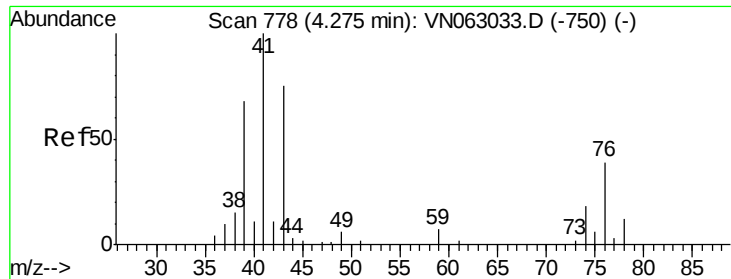
78 9.0 7.0 10.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





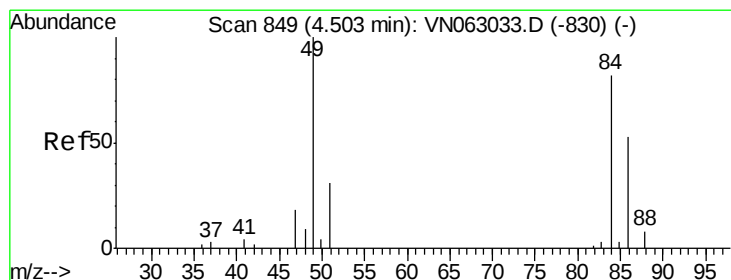
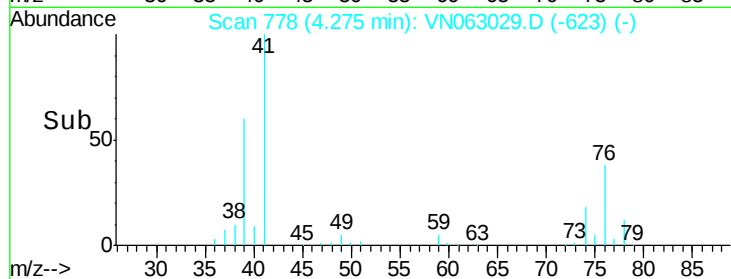
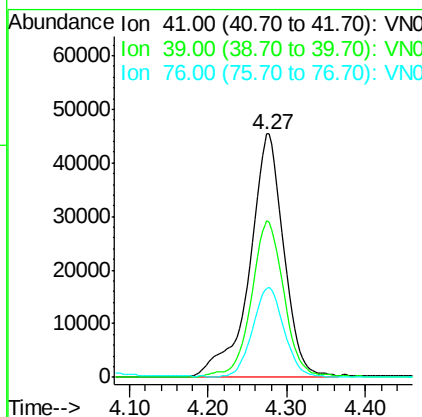
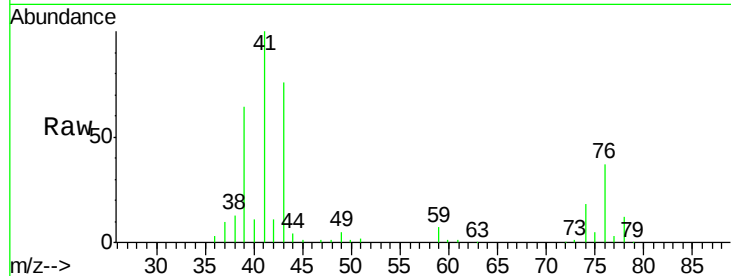
#17
Allvl chloride
Concen: 51.162 ug/l
RT: 4.27 min Scan# 778
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	140109		
39	64.3		33.8	101.4
76	36.3		19.4	58.4

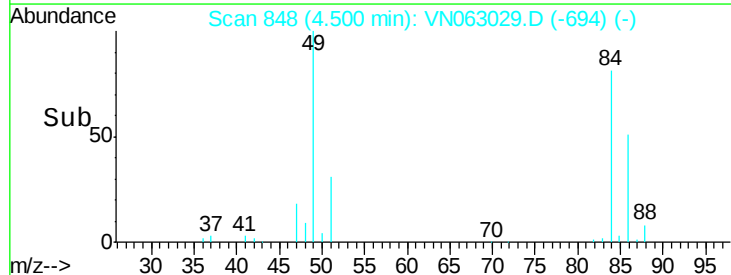
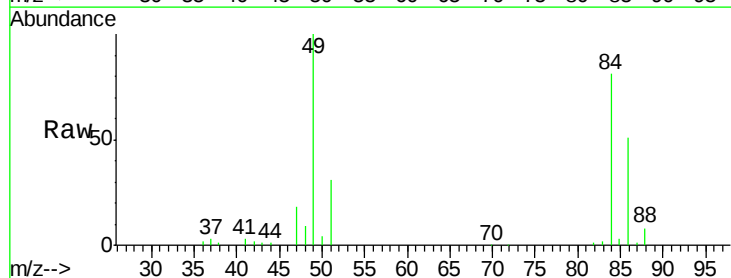
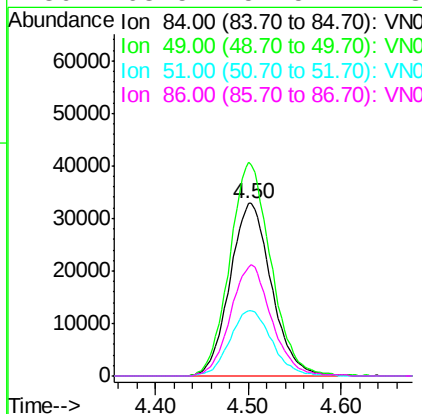
Manual Integrations
APPROVED

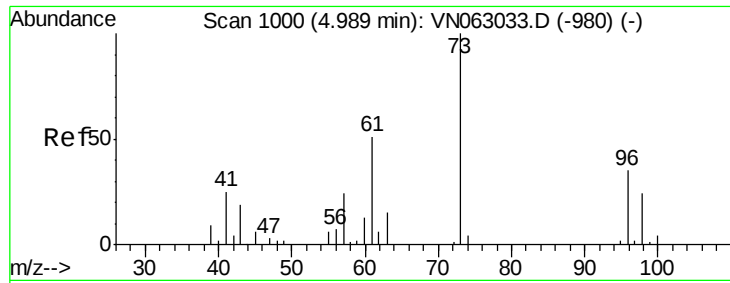
MMDadoda
8/21/2020 9:22:40 AM



#18
Methylene Chloride
Concen: 48.929 ug/l
RT: 4.50 min Scan# 848
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	102171		
49	124.0		97.8	146.8
51	38.2		30.7	46.1
86	63.5		51.5	77.3





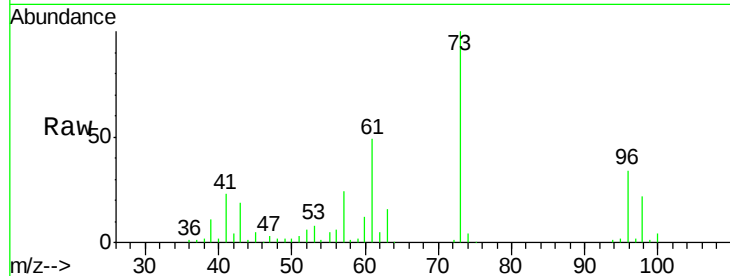
#19
trans-1,2-Dichloroethene
Concen: 52.129 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	115.9	173.9
98	62.9	53.3	79.9

Manual Integrations
APPROVED

MMDadoda
8/21/2020 9:22:40 AM

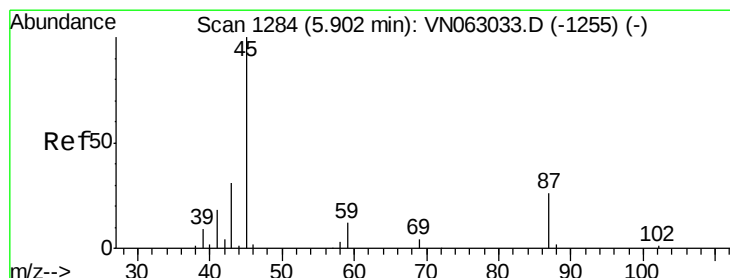
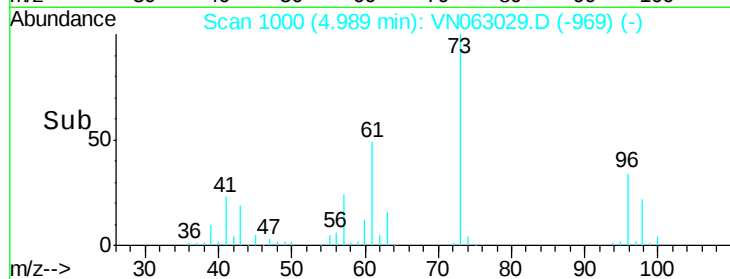
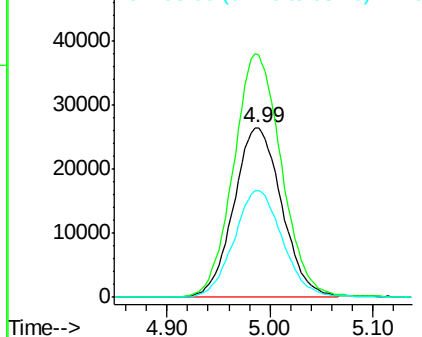


Abundance

Ion 96.00 (95.70 to 96.70): VN063029.D (-969) (-)

Ion 61.00 (60.70 to 61.70): VN063029.D (-969) (-)

Ion 98.00 (97.70 to 98.70): VN063029.D (-969) (-)



#20
Diisopropyl ether
Concen: 54.153 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.8	51.8	77.6
87	25.7	21.8	32.6
59	11.9	9.6	14.4

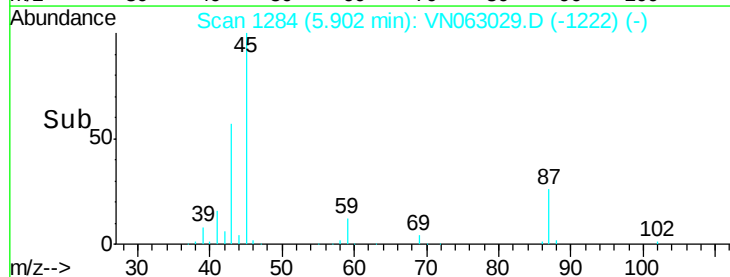
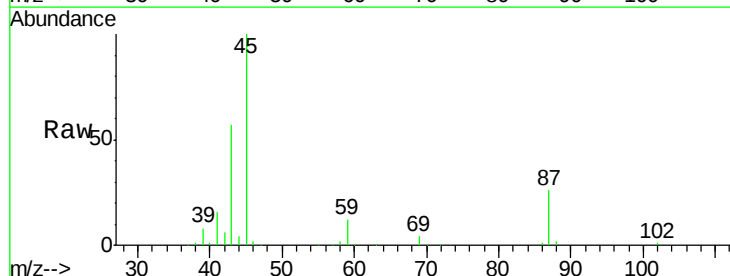
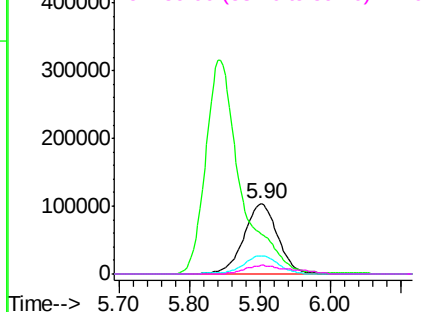
Abundance

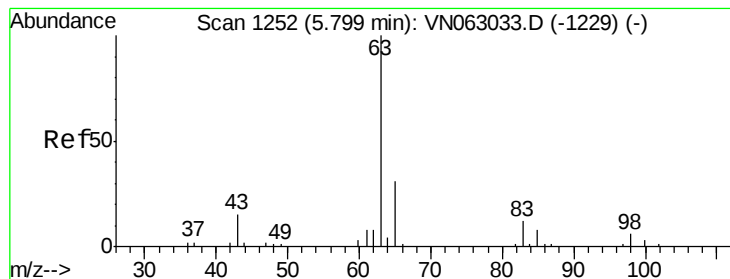
Ion 45.00 (44.70 to 45.70): VN063029.D (-1222) (-)

Ion 43.00 (42.70 to 43.70): VN063029.D (-1222) (-)

Ion 87.00 (86.70 to 87.70): VN063029.D (-1222) (-)

Ion 59.00 (58.70 to 59.70): VN063029.D (-1222) (-)





#21

1,1-Dichloroethane

Concen: 51.613 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

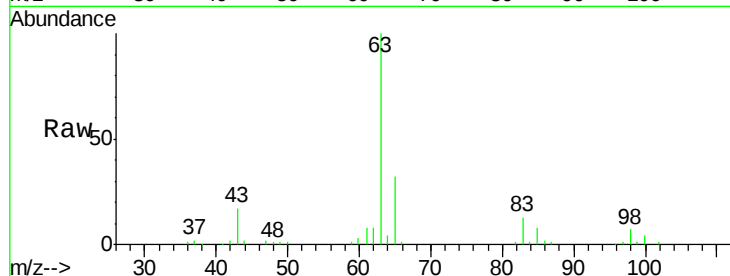
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.5	3.1	9.3	
100	4.1	1.8	5.3	

Manual Integrations
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MMDadoda
8/21/2020 9:22:40 AM

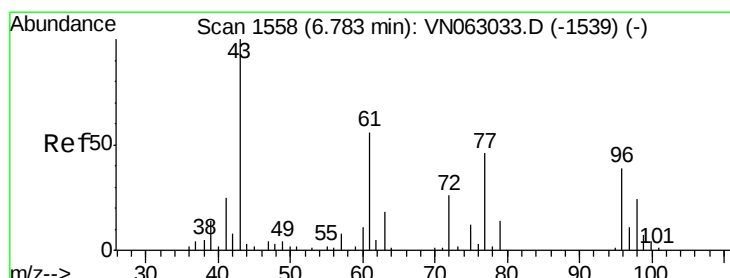
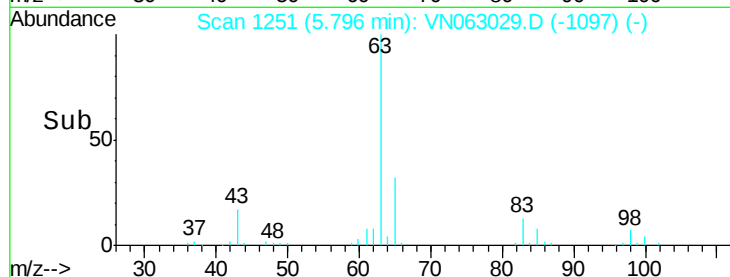


Abundance Ion 63.00 (62.70 to 63.70): VN063033.D (-1229) (-)

Ion 98.00 (97.70 to 98.70): VN063033.D (-1229) (-)

Ion 100.00 (99.70 to 100.70): VN063033.D (-1229) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 51.554 ug/l

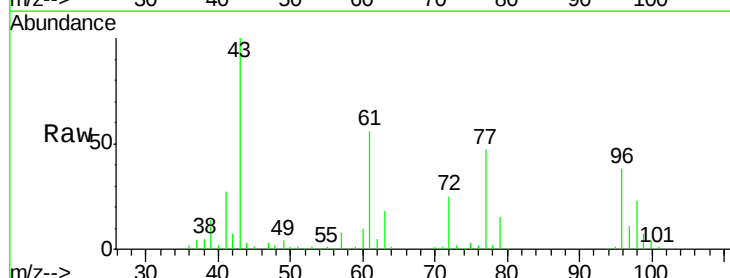
RT: 6.78 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.4	120.9	181.3	
98	64.3	50.3	75.5	

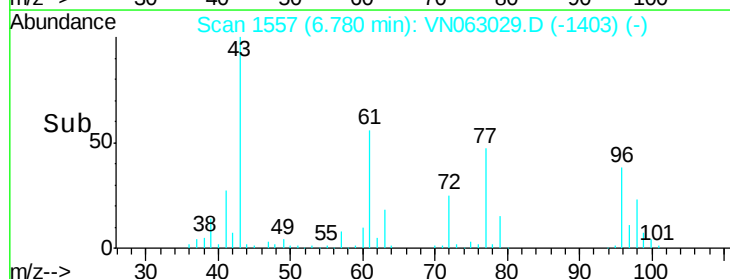


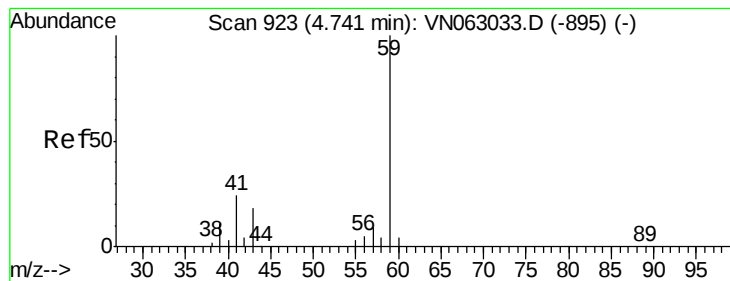
Abundance Ion 96.00 (95.70 to 96.70): VN063033.D (-1539) (-)

Ion 61.00 (60.70 to 61.70): VN063033.D (-1539) (-)

Ion 98.00 (97.70 to 98.70): VN063033.D (-1539) (-)

Time-->





#23

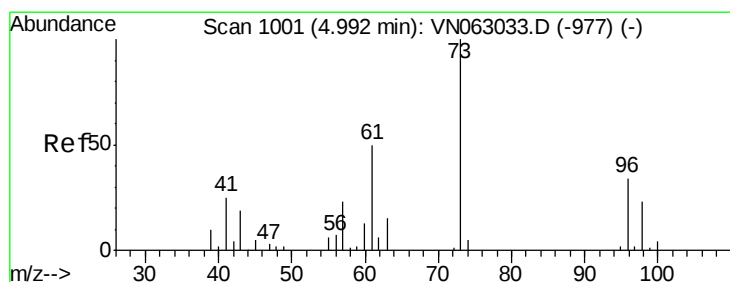
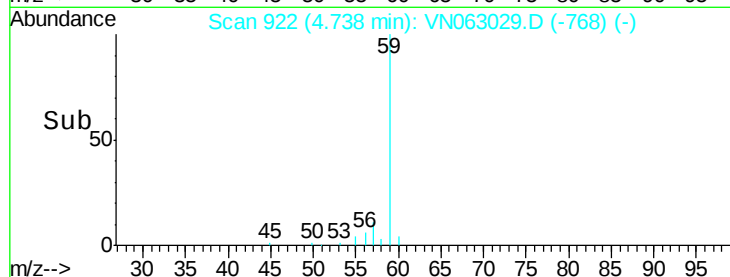
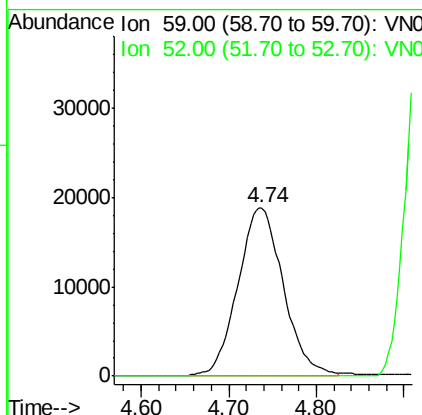
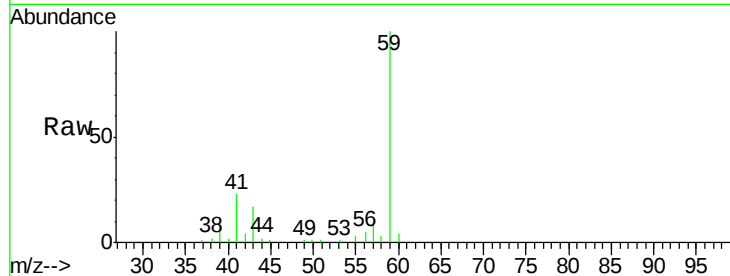
tert-Butyl Alcohol
 Concen: 238.619 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
 APPROVED

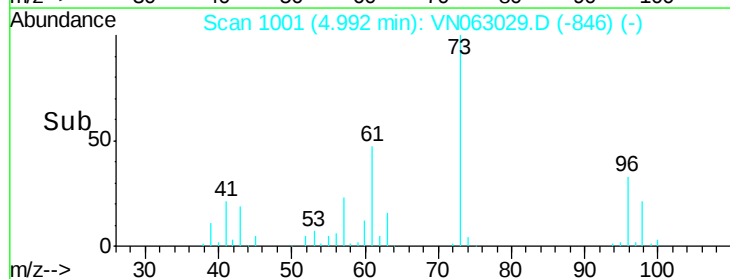
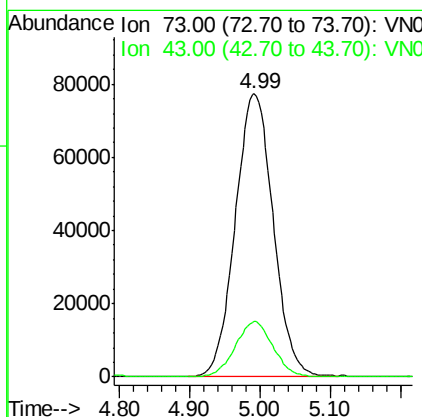
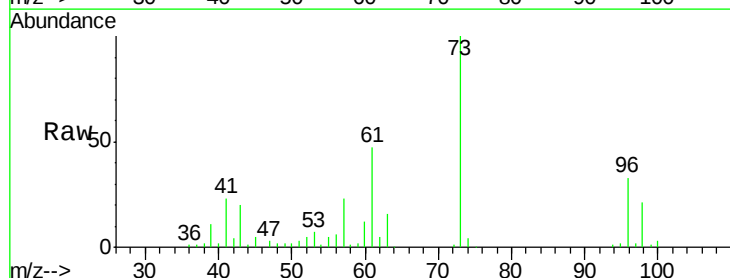
MMDadoda
 8/21/2020 9:22:40 AM

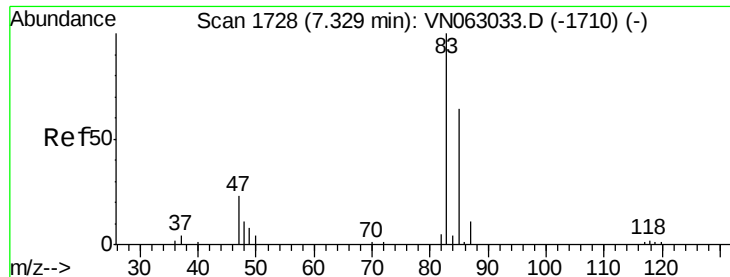


#24

Methyl tert-Butyl Ether
 Concen: 53.087 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.0	15.8	23.6





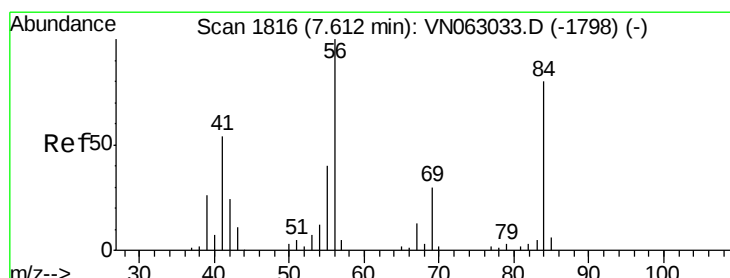
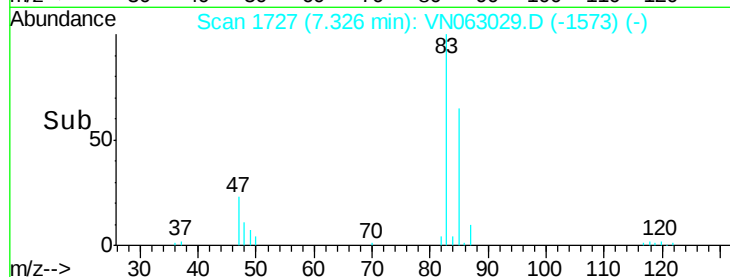
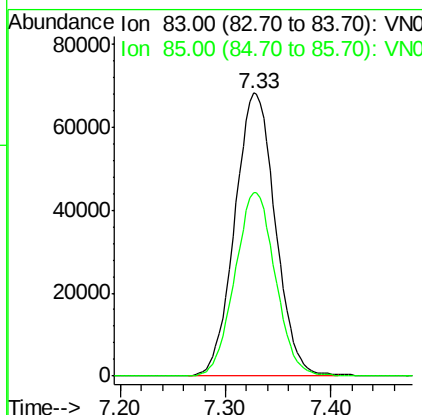
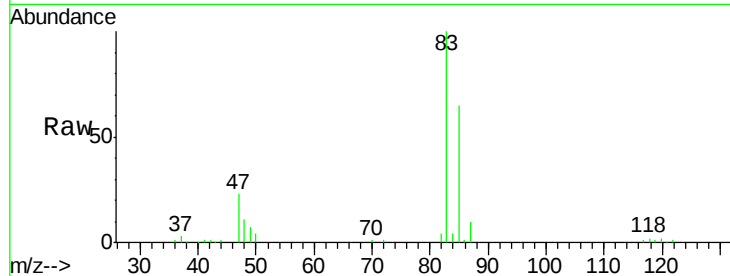
#25
Chloroform
Concen: 51.913 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	181989
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	51.0	76.4

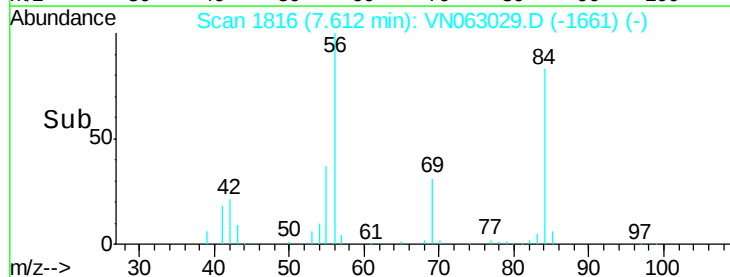
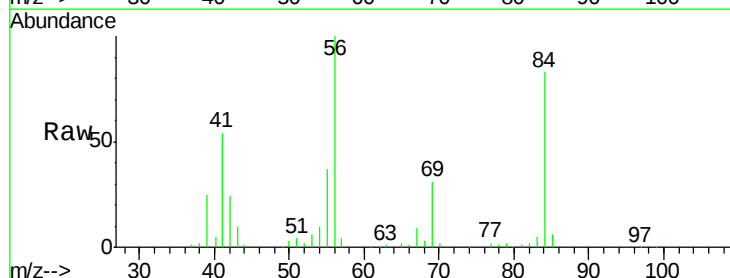
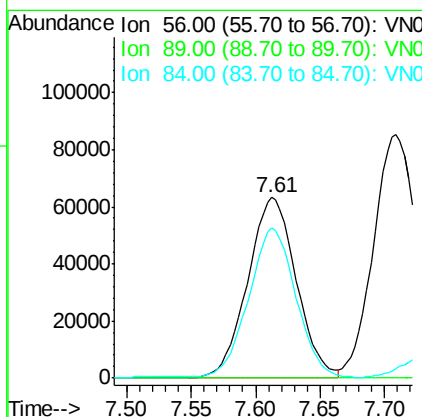
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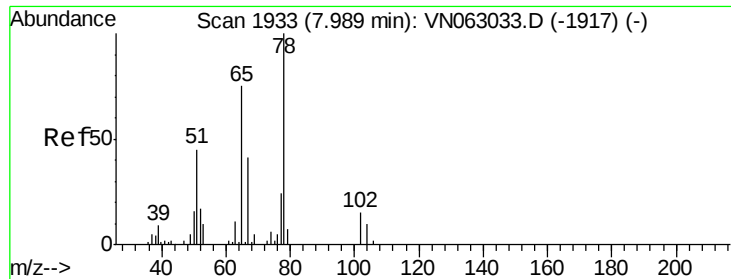
MMDadoda
8/21/2020 9:22:40 AM



#26
Cyclohexane
Concen: 54.746 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion	56	Resp	165897
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	0.0	0.0
84	80.3	65.0	97.4





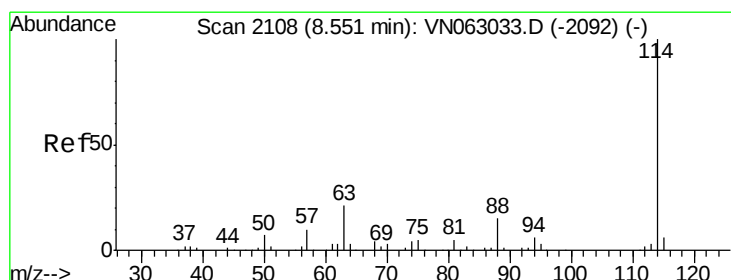
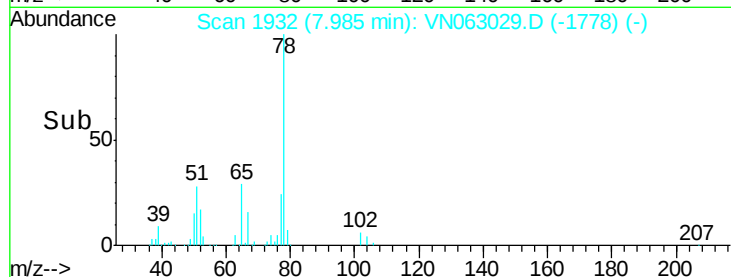
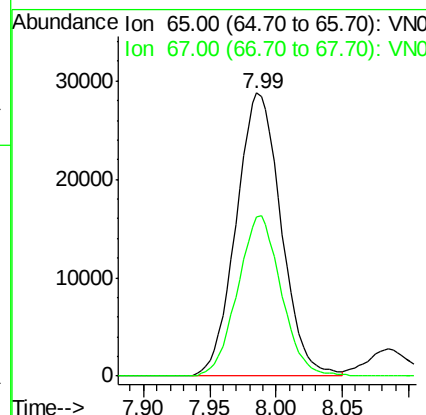
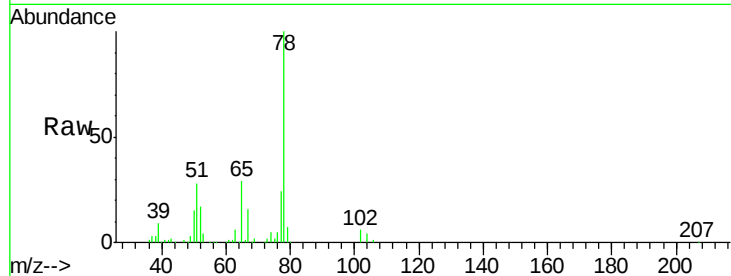
#27
 1,2-Dichloroethane-d4
 Concen: 30.011 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	43.8	65.6

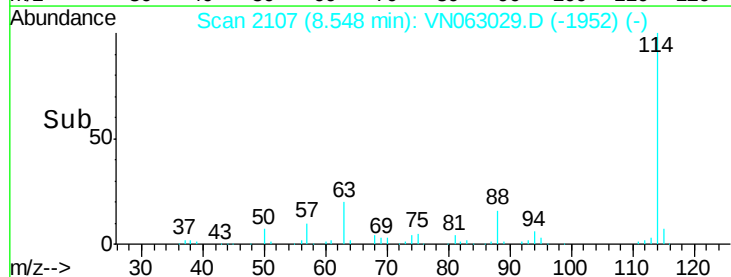
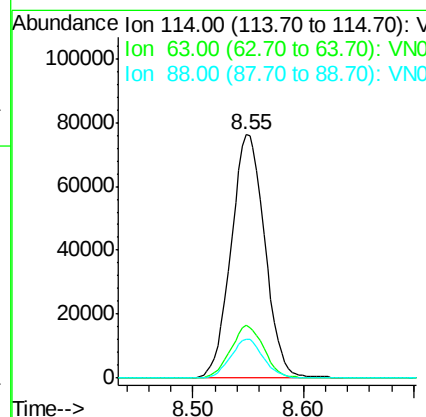
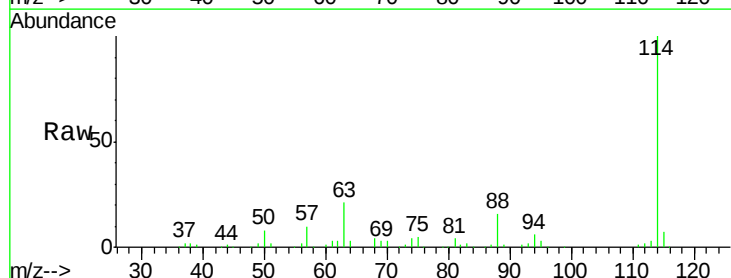
Manual Integrations
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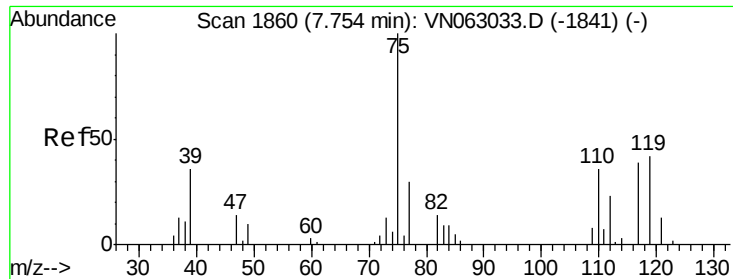
MMDadoda
 8/21/2020 9:22:40 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	17.0	25.6
88	15.6	12.6	18.8





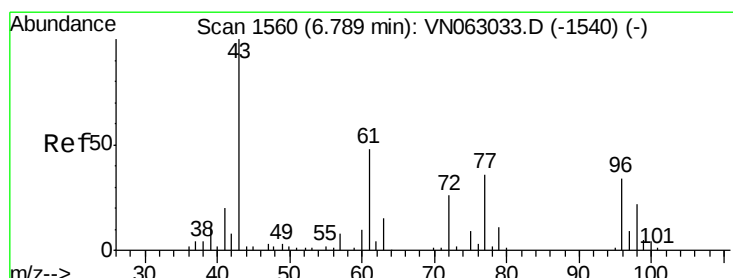
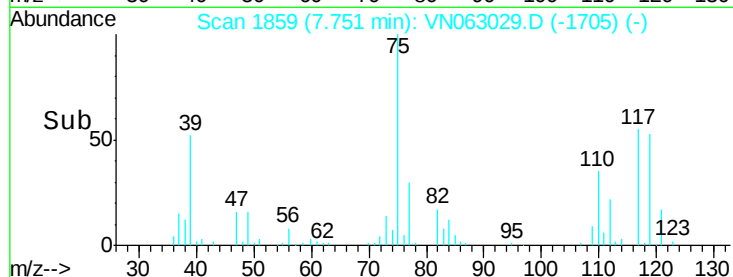
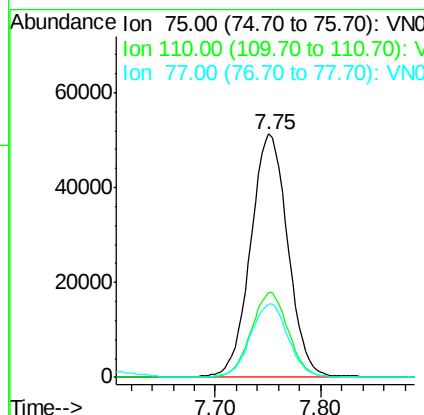
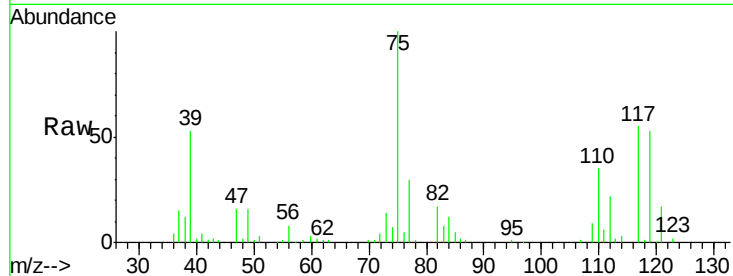
#29
 1,1-Dichloropropene
 Concen: 53.871 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

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

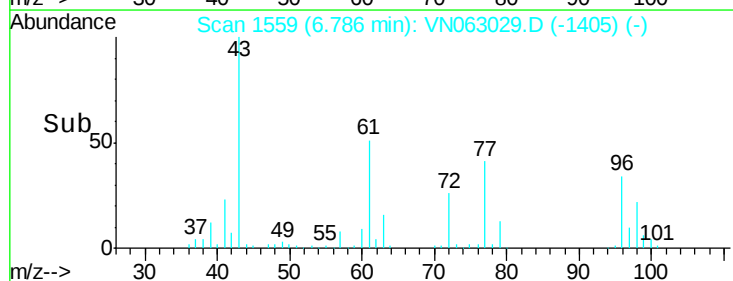
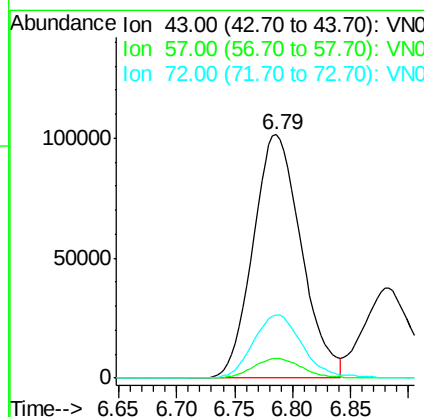
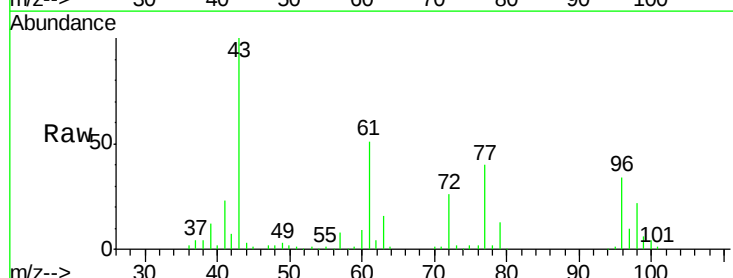
Manual Integrations
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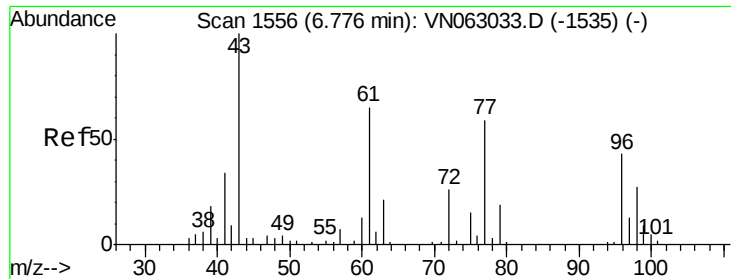
MMDadoda
 8/21/2020 9:22:40 AM



#30
 2-Butanone
 Concen: 268.468 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.6	9.8
72	26.6	21.3	31.9





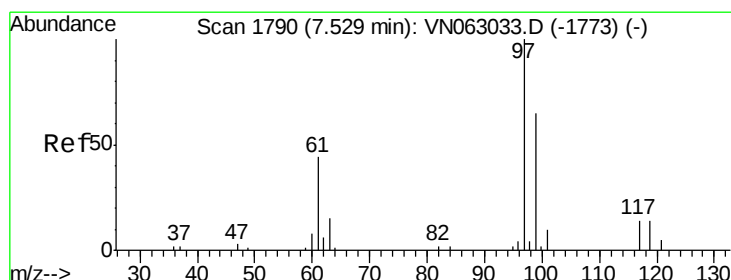
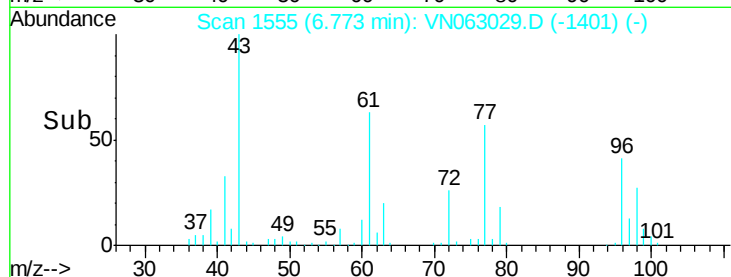
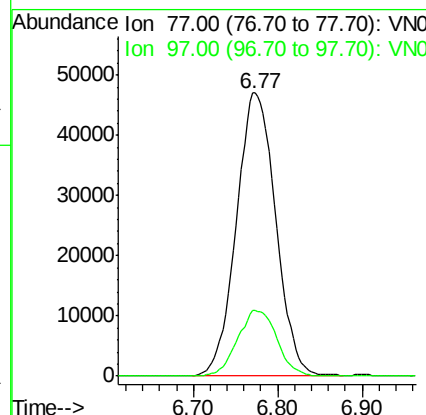
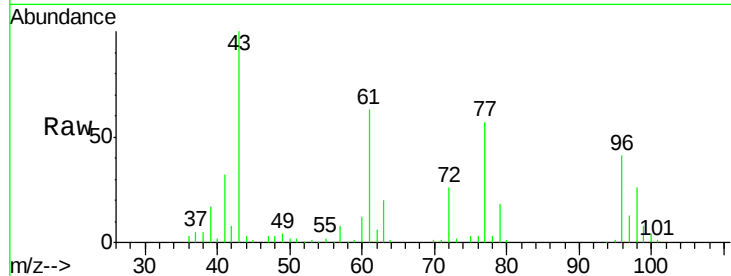
#31
 2,2-Dichloropropane
 Concen: 53.456 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
77	100		
97	23.2	18.2	27.4

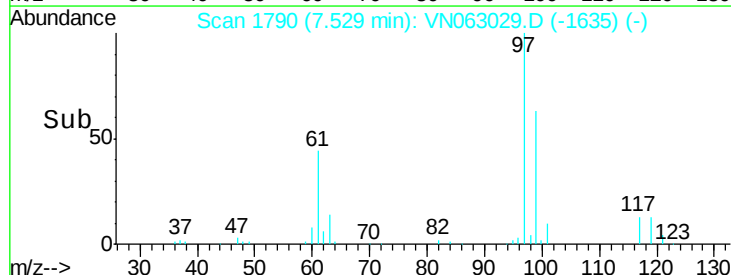
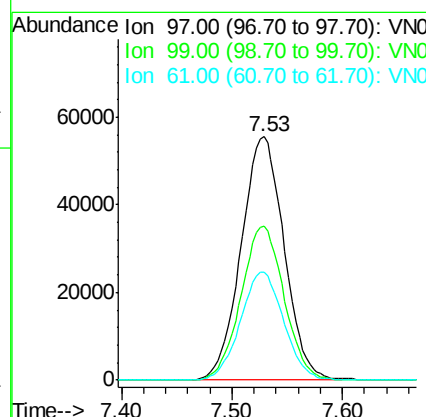
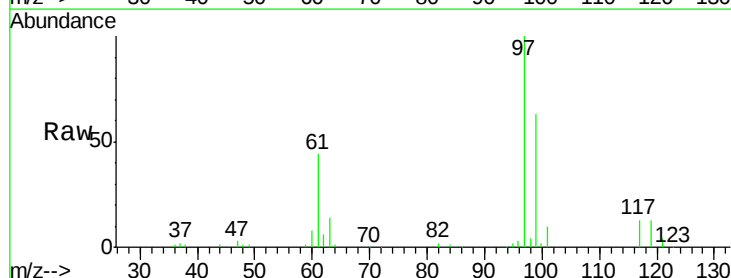
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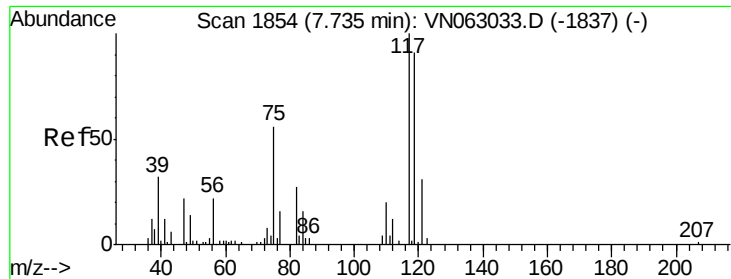
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#32
 1,1,1-Trichloroethane
 Concen: 53.108 ug/l
 RT: 7.53 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.7	77.5
61	44.6	35.3	52.9





#33

Carbon Tetrachloride

Concen: 53.156 ug/l

RT: 7.73 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

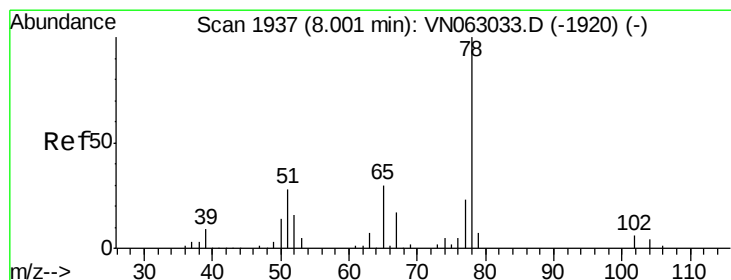
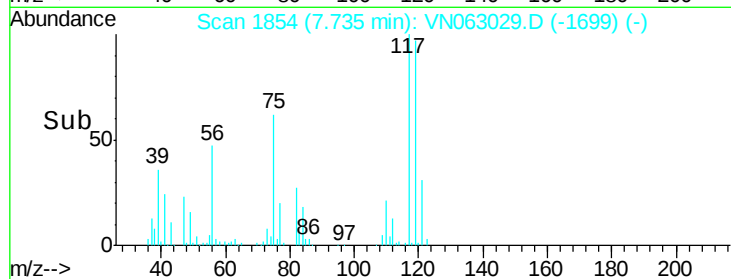
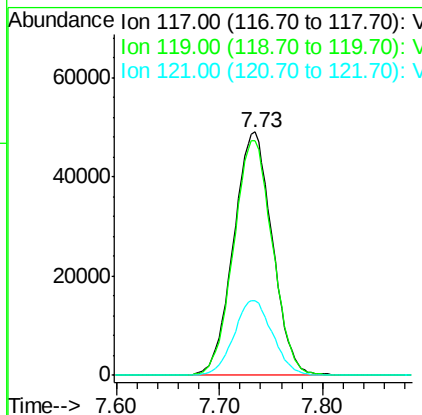
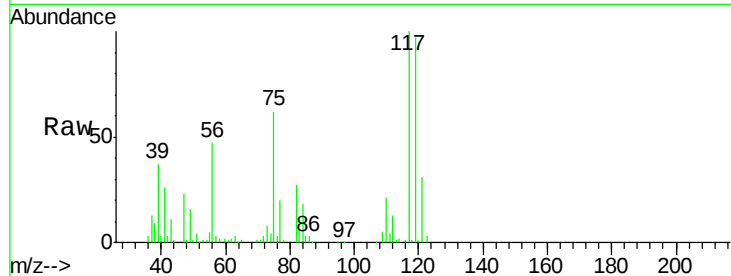
ClientSampleId :

VSTDIC050

Tot Ion:	117	Resp:	127834
Ion Ratio	Lower	Upper	
117	100		
119	96.6	73.0	109.4
121	30.5	24.9	37.3

Manual Integrations
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8/21/2020 9:22:40 AM



#34

Benzene

Concen: 53.293 ug/l

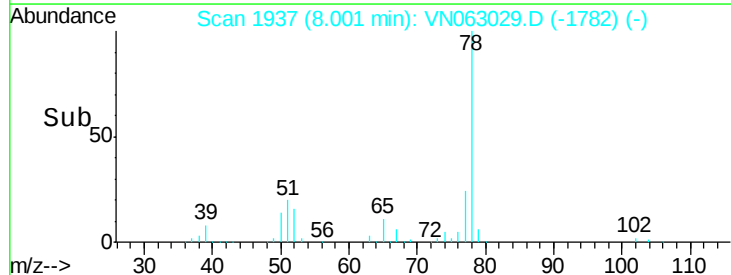
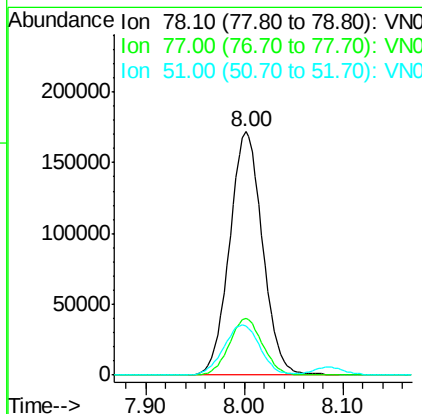
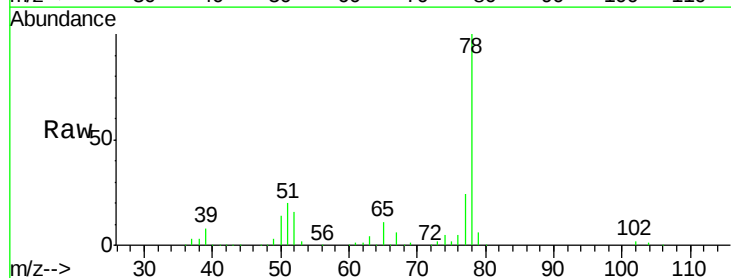
RT: 8.00 min Scan# 1937

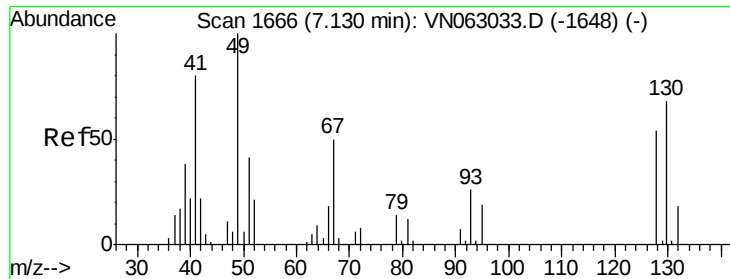
Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Tgt Ion:	78	Resp:	400452
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.6	27.8
51	20.0	22.2	33.2#





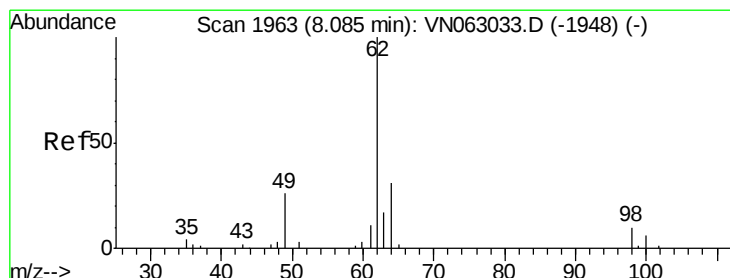
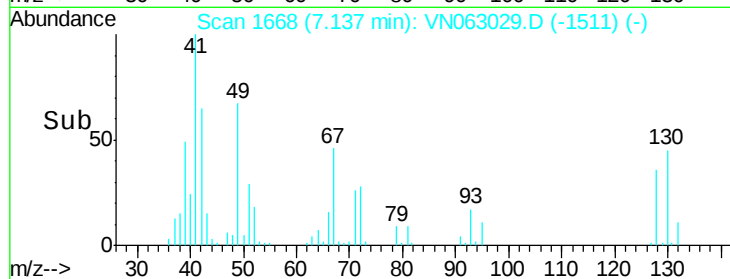
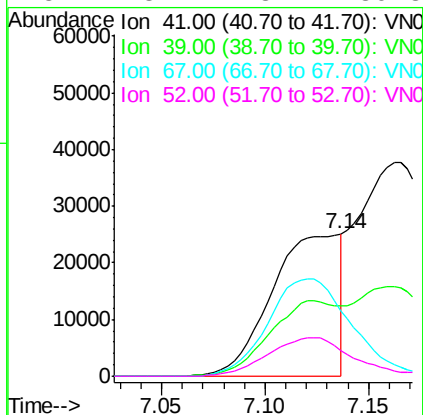
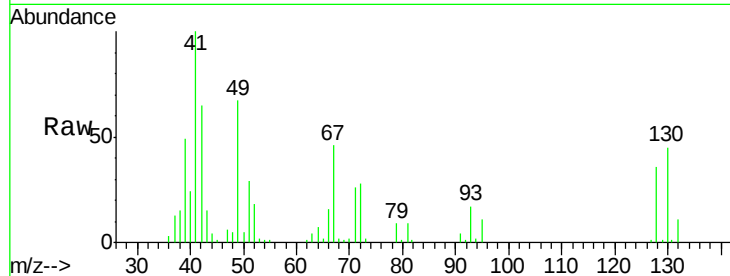
#35
Methacrylonitrile
Concen: 56.727 ug/l m
RT: 7.14 min Scan# 1668
Delta R.T. 0.01 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.3	23.7	71.1
67	46.3	31.6	94.7
52	18.2	13.1	39.3

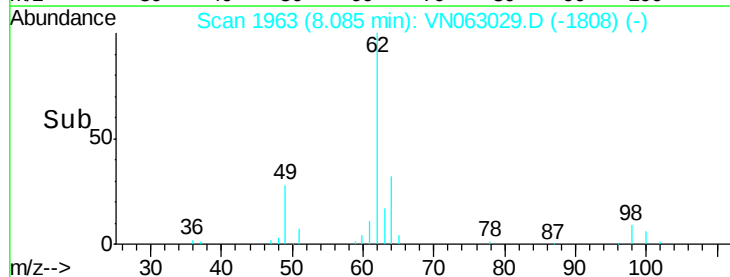
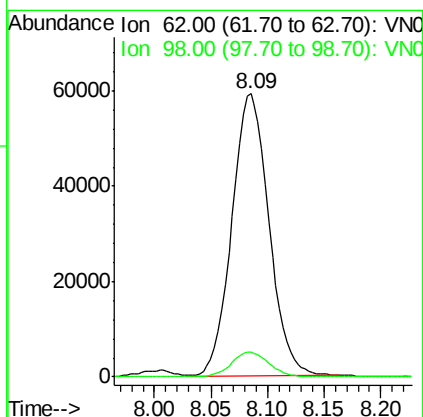
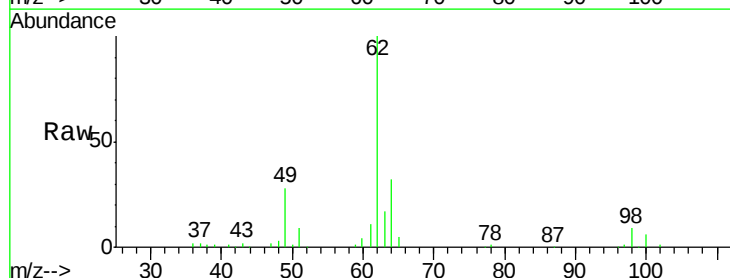
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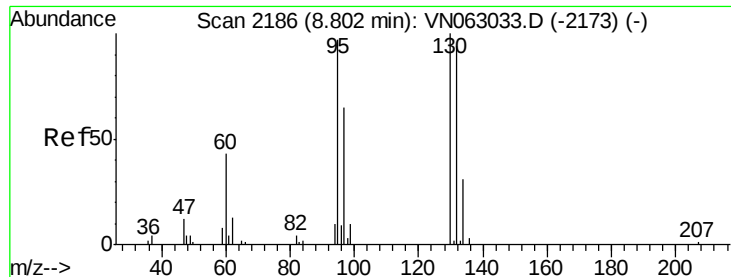
MMDadoda
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#36
1,2-Dichloroethane
Concen: 52.859 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.9	7.6	11.4





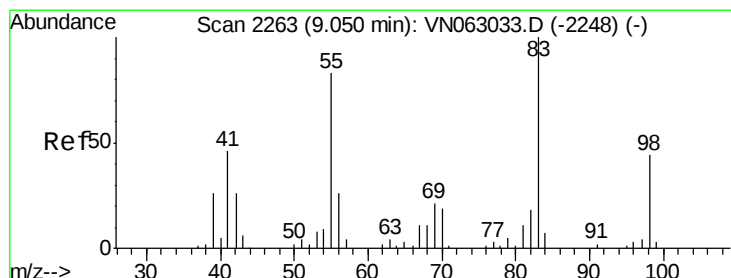
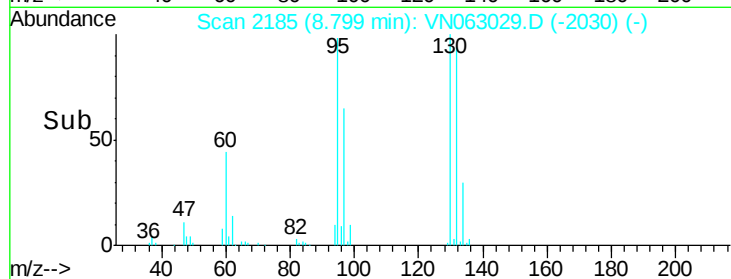
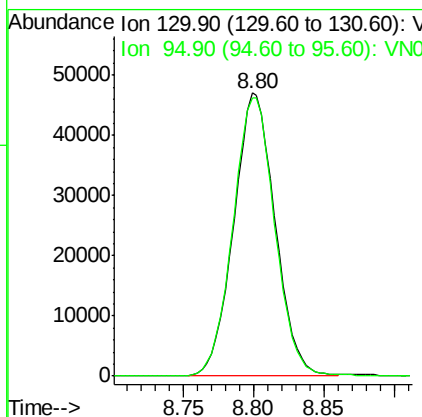
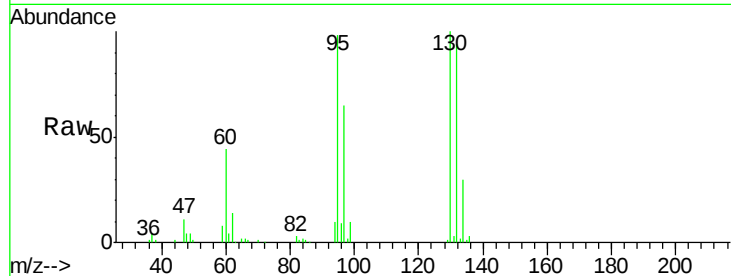
#37
 Trichloroethene
 Concen: 52.445 ug/l
 RT: 8.80 min Scan# 2185
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion:130 Resp: 96509
 Ion Ratio Lower Upper
 130 100
 95 98.4 78.9 118.3

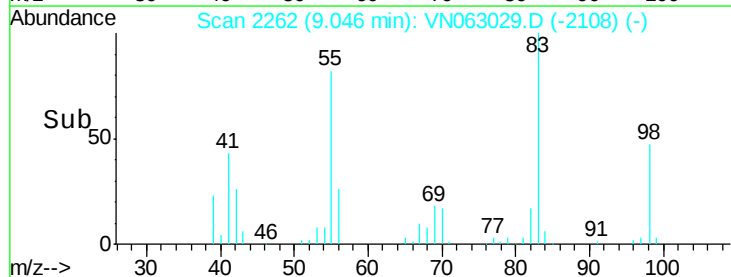
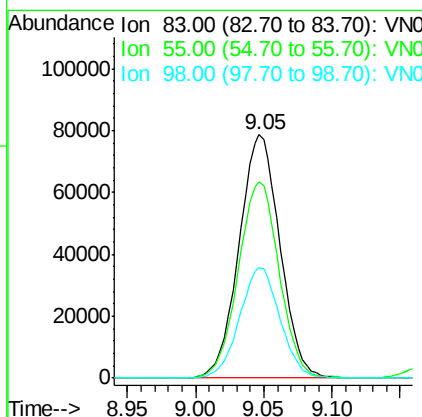
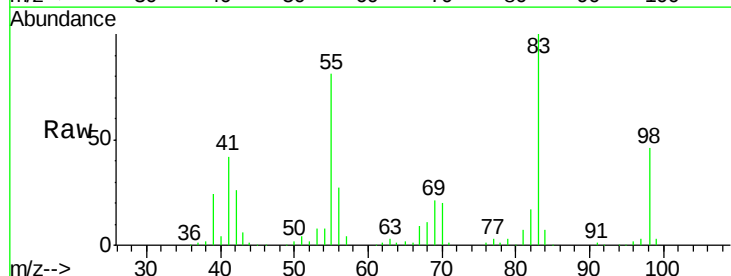
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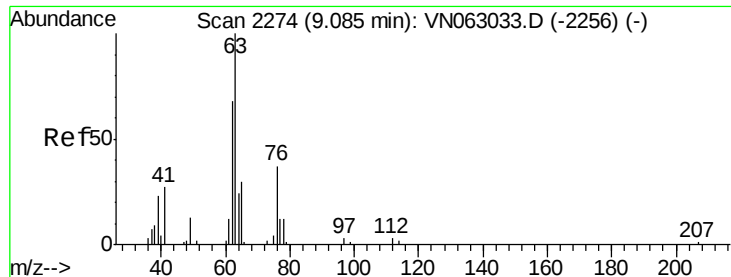
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#38
 Methylcyclohexane
 Concen: 55.555 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Tgt Ion: 83 Resp: 163390
 Ion Ratio Lower Upper
 83 100
 55 80.6 41.9 125.7
 98 45.0 22.2 66.6





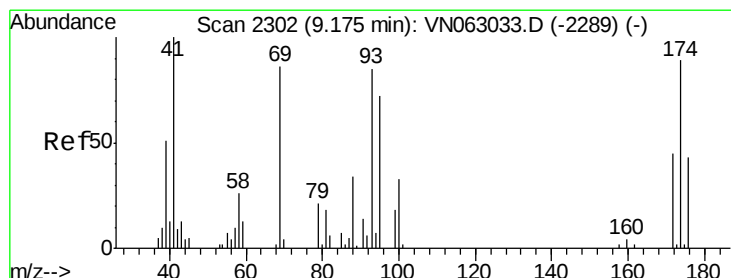
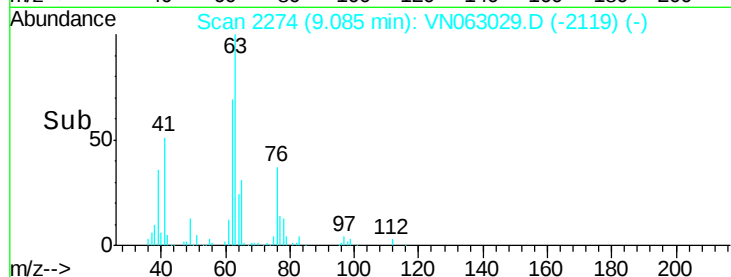
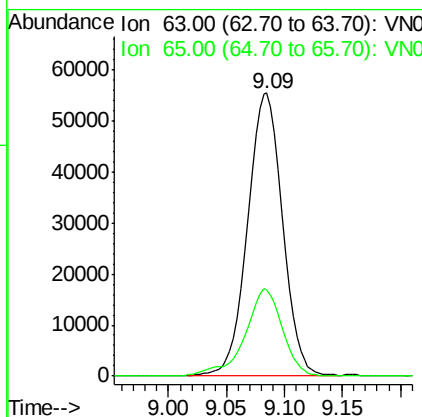
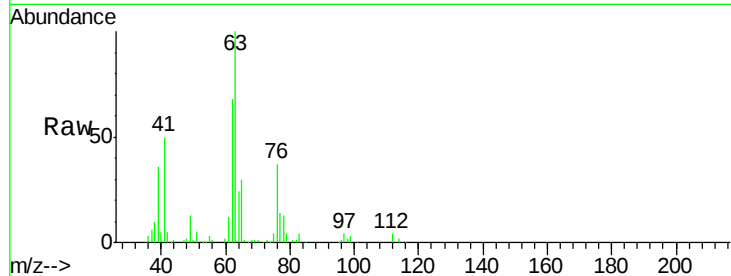
#39
 1,2-Dichloropropane
 Concen: 53.468 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	63	Resp	116931
Ion Ratio	Lower	Upper	
63	100		
65	30.4	25.1	37.7

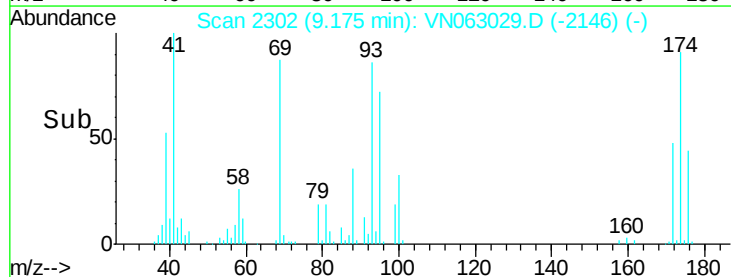
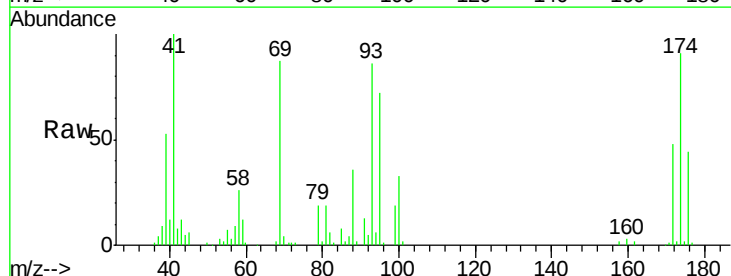
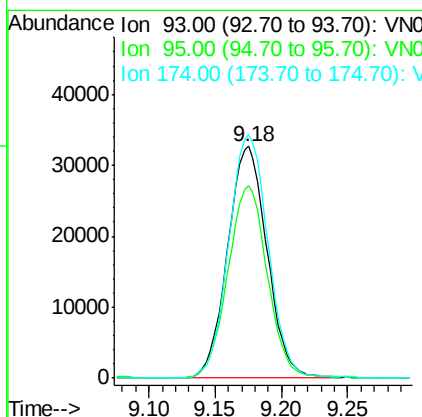
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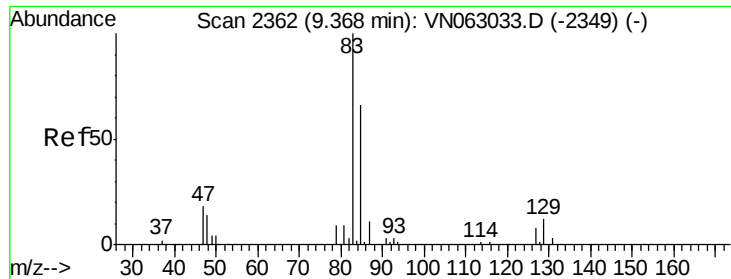
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#40
 Dibromomethane
 Concen: 53.273 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Tgt Ion	93	Resp	67642
Ion Ratio	Lower	Upper	
93	100		
95	82.7	0.0	168.2
174	104.5	0.0	208.4





#41

Bromodichloromethane

Concen: 52.610 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

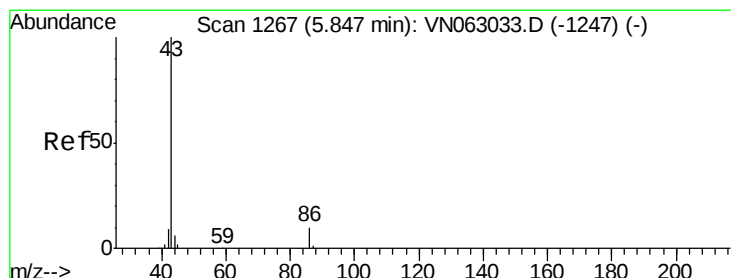
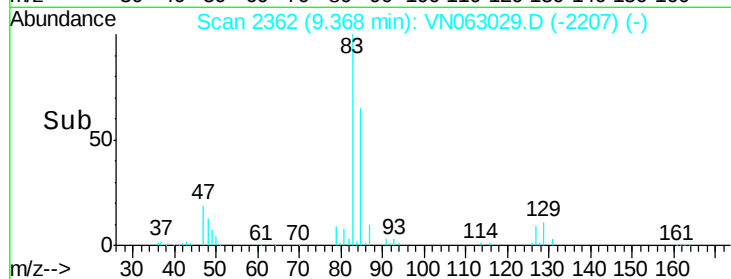
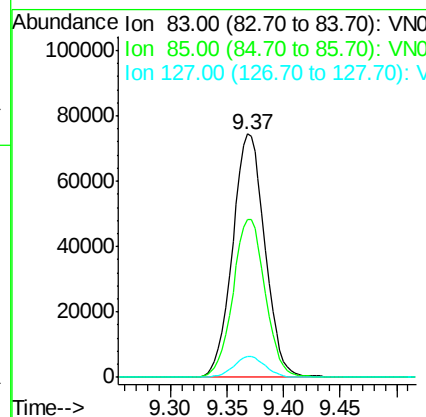
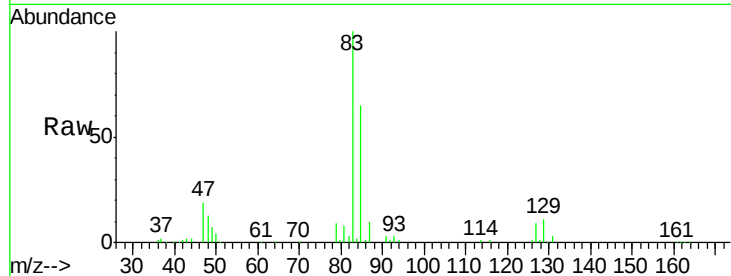
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	148032
Ion Ratio	Lower	Upper	
83	100		
85	64.7	52.6	79.0
127	8.5	7.4	11.0

Manual Integrations
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#42

Vinyl Acetate

Concen: 262.913 ug/l

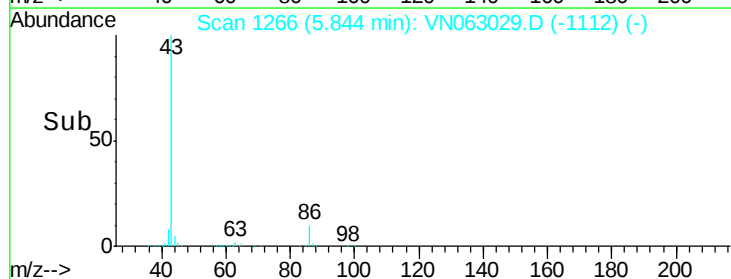
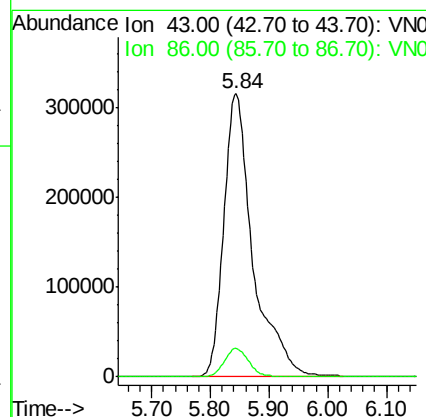
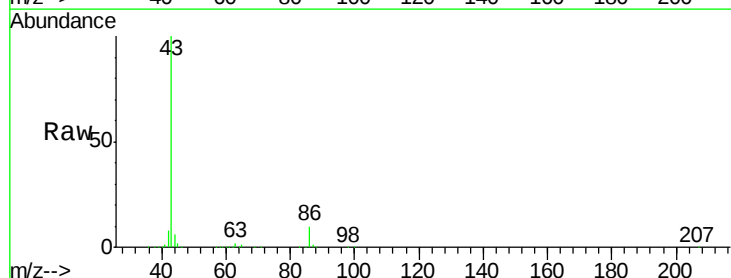
RT: 5.84 min Scan# 1266

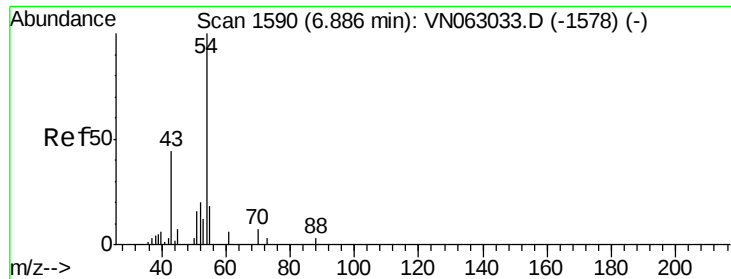
Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Tgt Ion:	43	Resp:	1088499
Ion Ratio	Lower	Upper	
43	100		
86	8.5	6.7	10.1





#43

Ethyl Acetate

Concen: 52.641 ug/l

RT: 6.88 min Scan# 1589

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 43 Resp: 109810

Ion Ratio Lower Upper

43 100

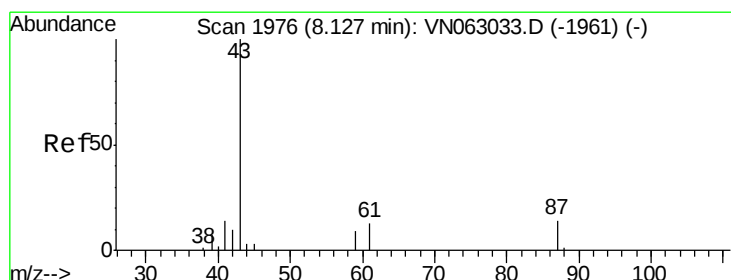
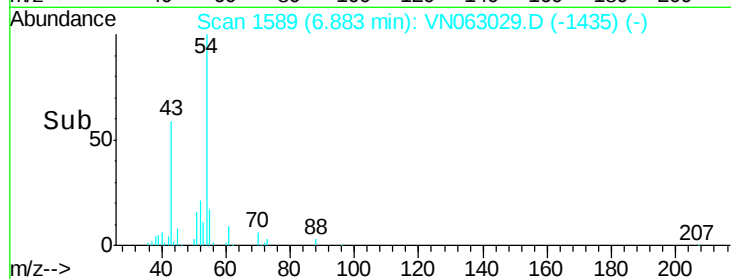
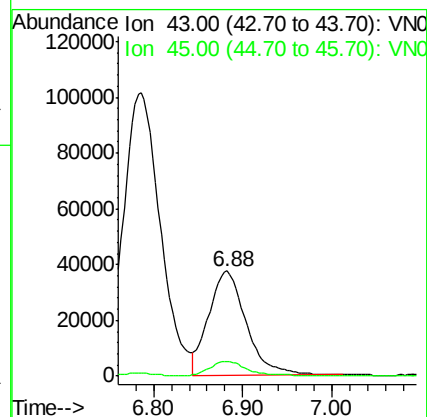
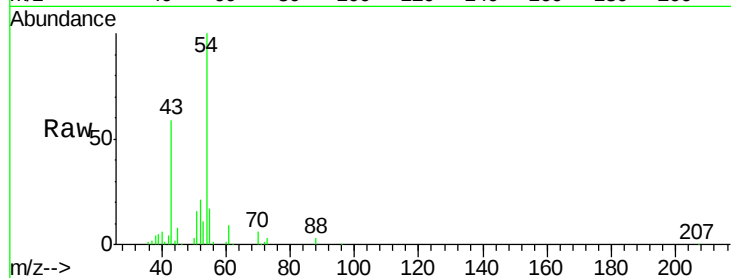
45 14.2 11.3 16.9

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#44

Isopropyl Acetate

Concen: 52.273 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN063029.D

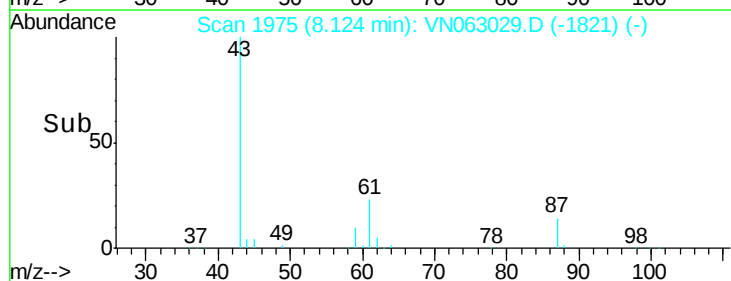
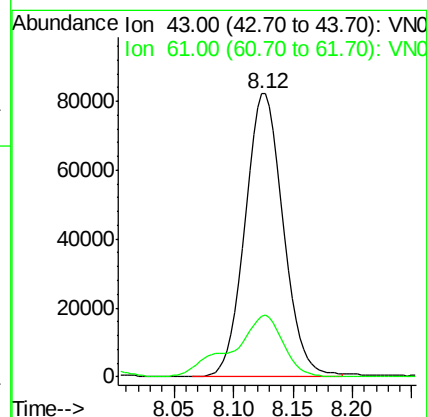
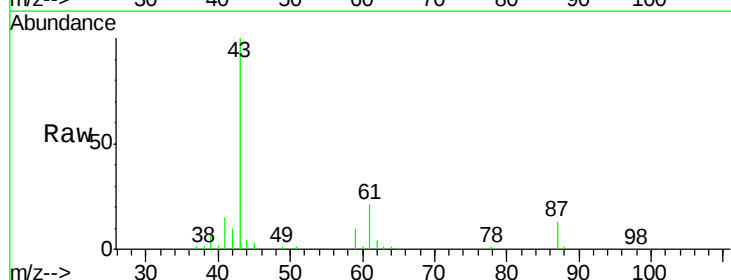
Acq: 20 Aug 2020 10:59

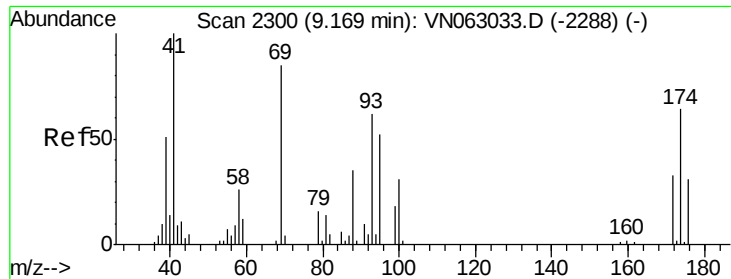
Tgt Ion: 43 Resp: 183054

Ion Ratio Lower Upper

43 100

61 29.4 17.5 26.3#





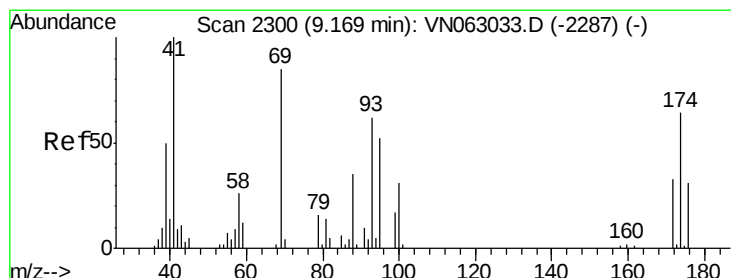
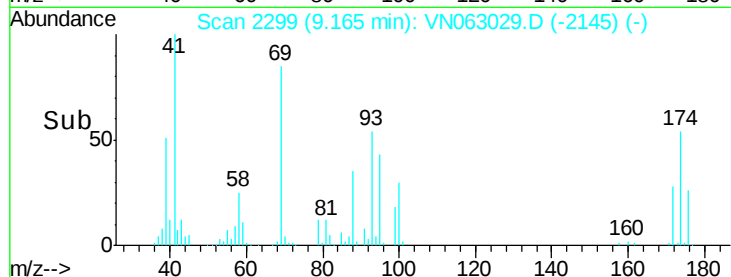
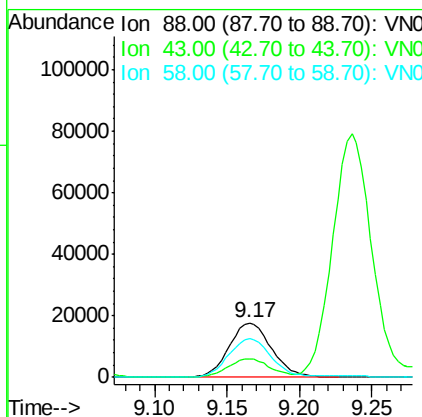
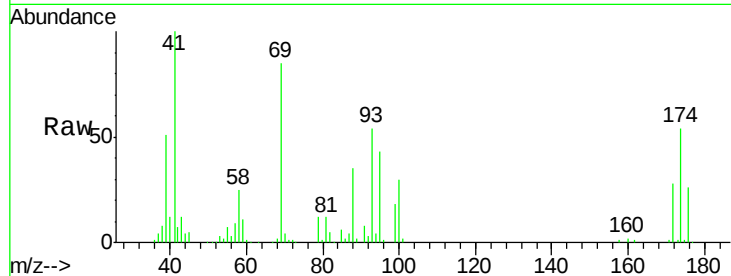
#45
 1,4-Dioxane
 Concen: 1100.337 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	28.5	42.7
58	70.9	59.6	89.4

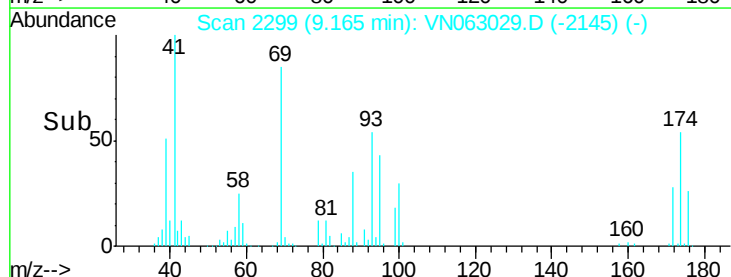
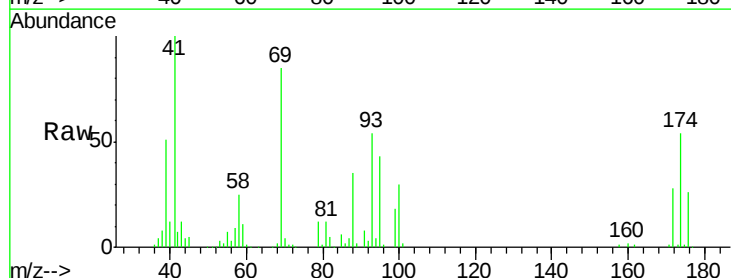
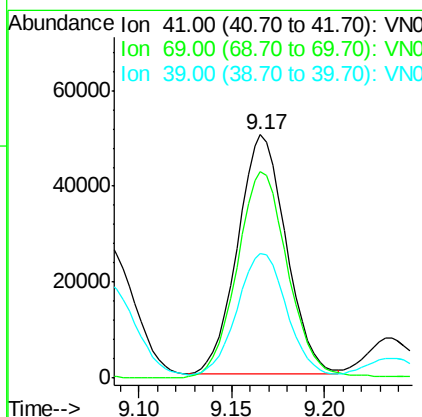
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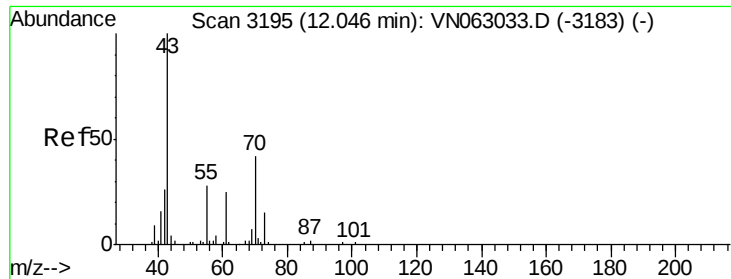
MMDadoda
 8/21/2020 9:22:40 AM



#46
 Methyl methacrylate
 Concen: 52.884 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.0	42.6	128.0
39	50.6	25.1	75.4





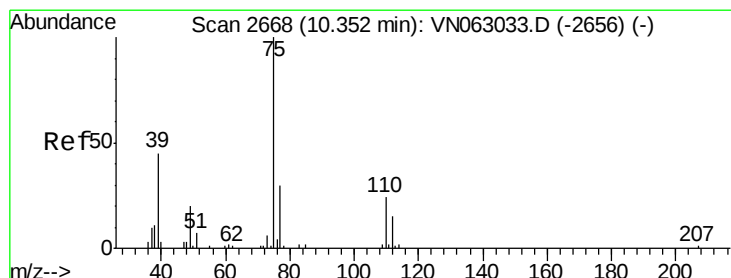
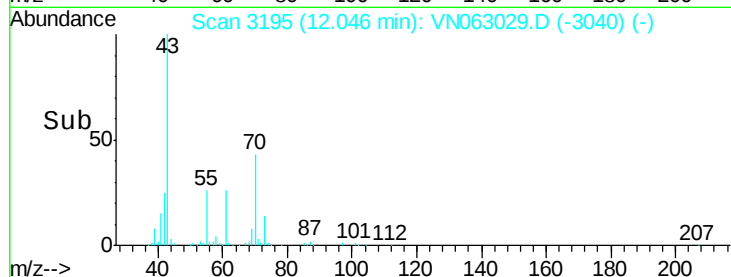
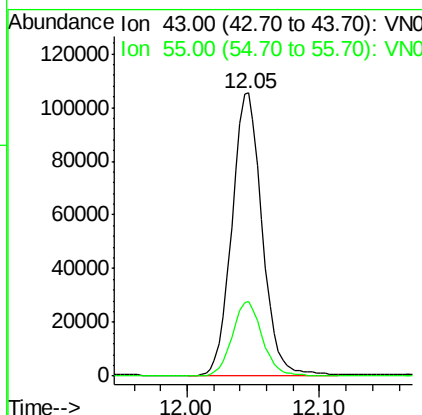
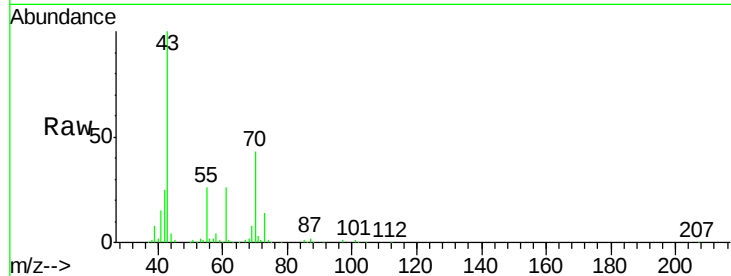
#47
n-amvl Acetate
Concen: 53.876 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 43 Resp: 167454
Ion Ratio Lower Upper
43 100
55 26.4 21.2 31.8

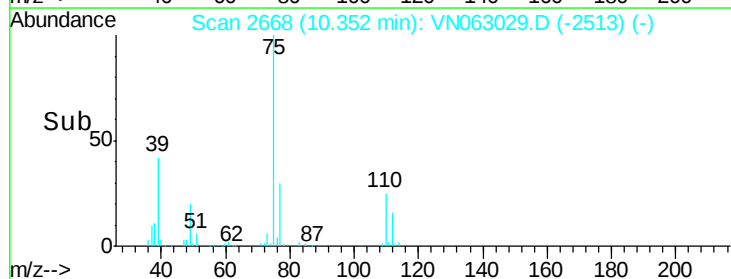
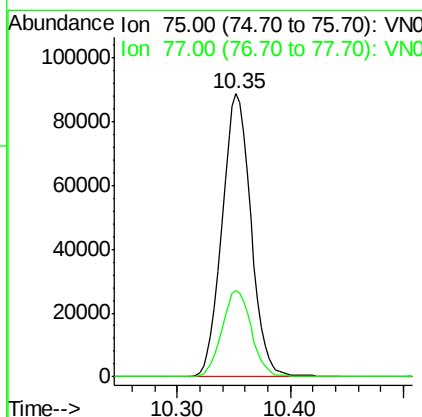
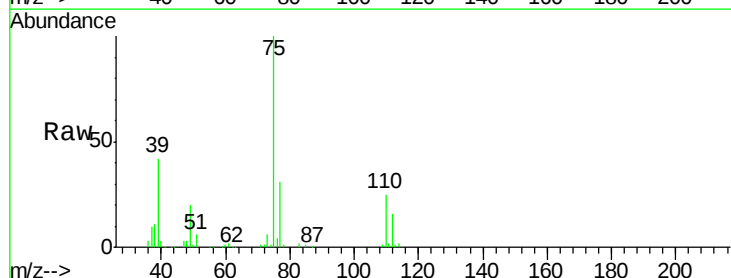
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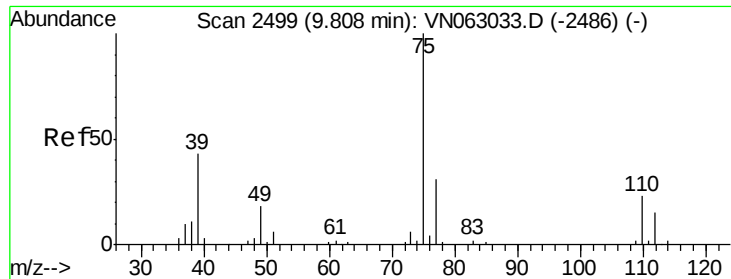
MMDadoda
8/21/2020 9:22:40 AM



#48
t-1,3-Dichloropropene
Concen: 53.100 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion: 75 Resp: 157796
Ion Ratio Lower Upper
75 100
77 30.5 23.8 35.8





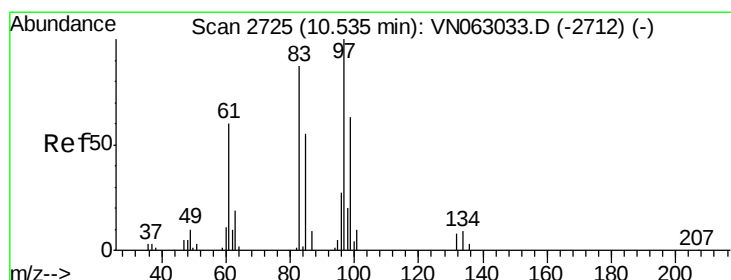
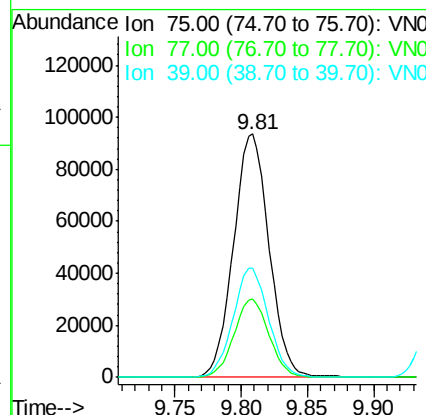
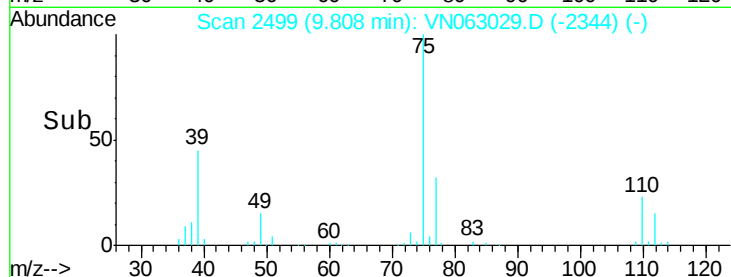
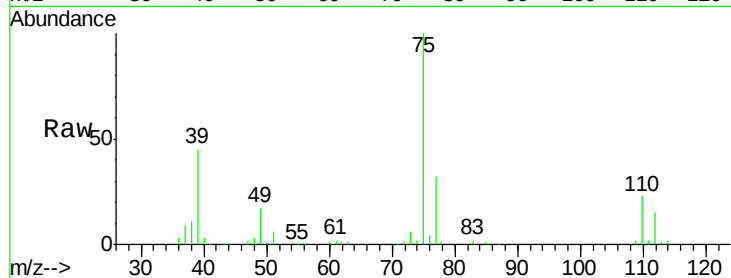
#49
 cis-1,3-Dichloropropene
 Concen: 53.931 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.8	37.2
39	44.9	34.5	51.7

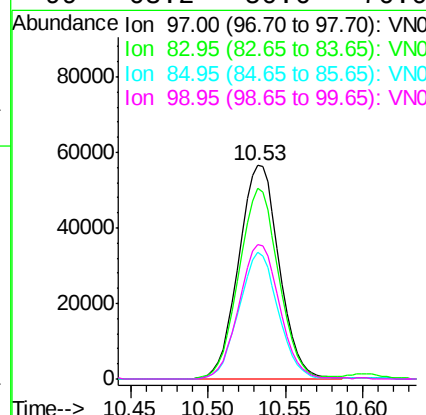
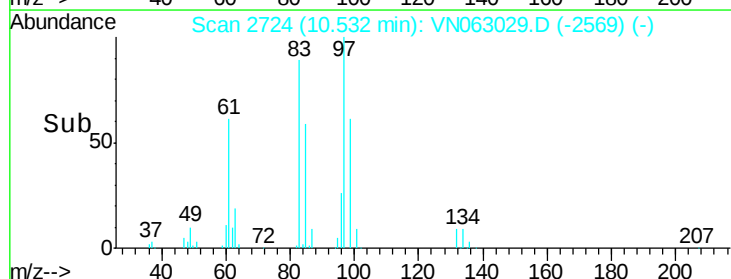
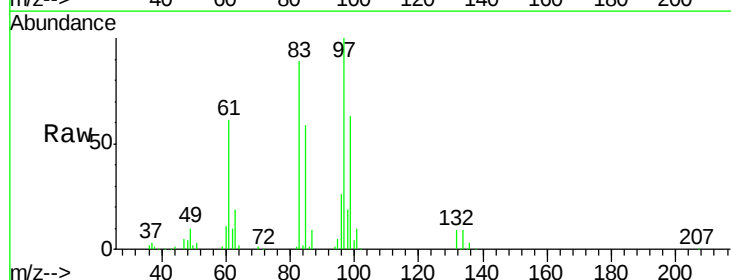
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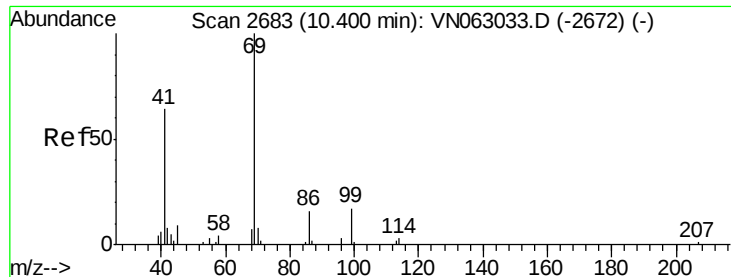
MMDadoda
 8/21/2020 9:22:40 AM



#50
 1,1,2-Trichloroethane
 Concen: 52.711 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.1	69.9	104.9
85	59.1	44.0	66.0
99	63.2	50.6	76.0





#51

Ethyl methacrylate

Concen: 54.410 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

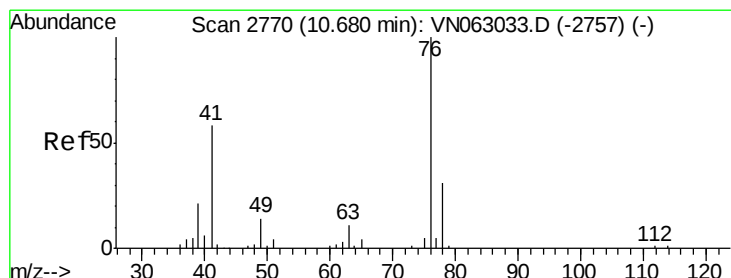
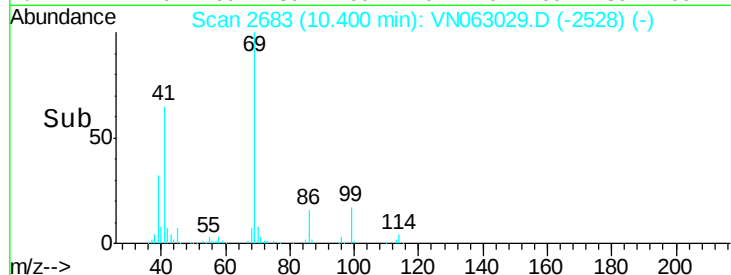
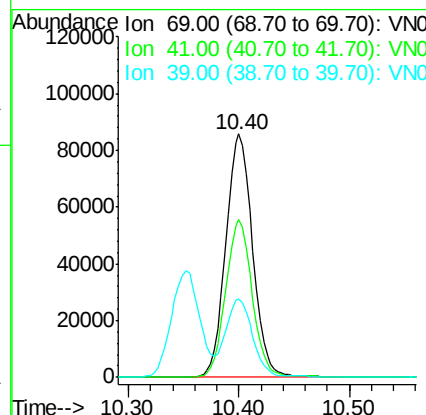
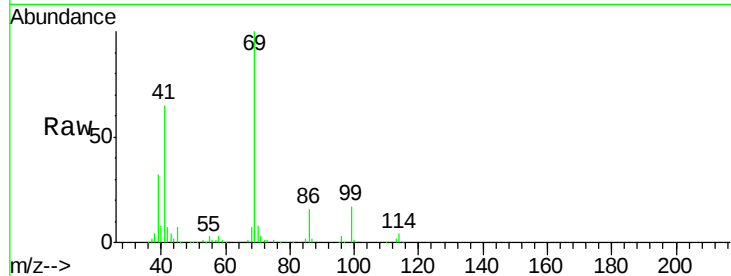
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	144924
Ion	Ratio	Lower	Upper
69	100		
41	64.7	32.1	96.5
39	32.0	16.1	48.3

Manual Integrations
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MMDadoda
8/21/2020 9:22:40 AM



#52

1,3-Dichloropropane

Concen: 53.227 ug/l

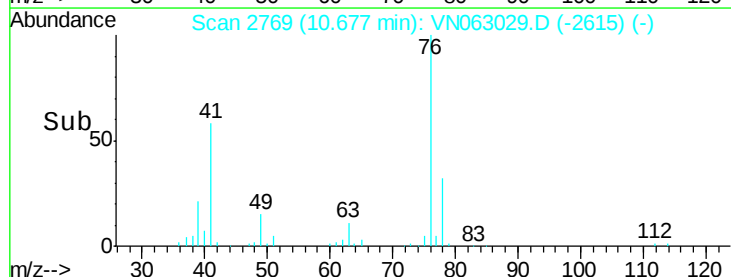
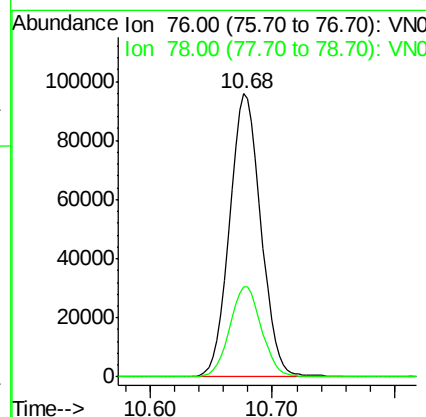
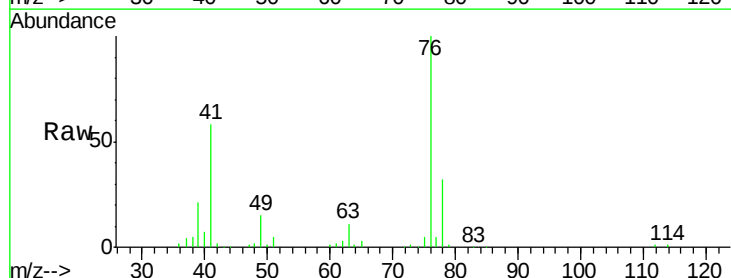
RT: 10.68 min Scan# 2769

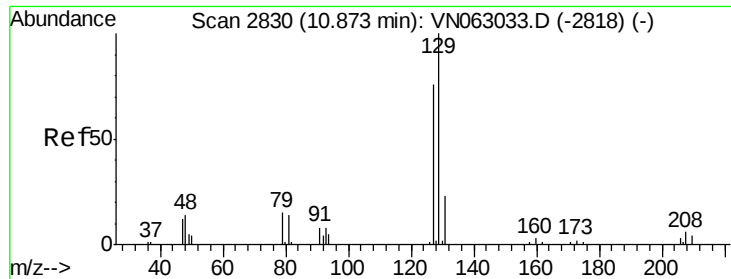
Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Tgt Ion:	76	Resp:	172160
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.2





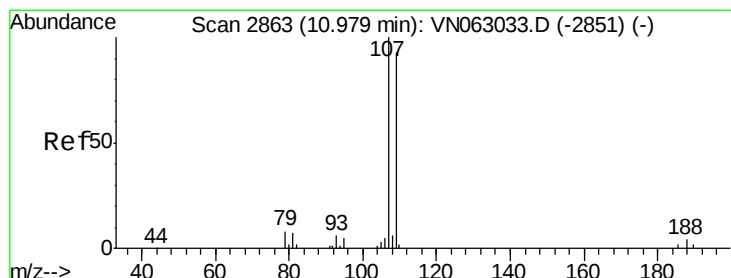
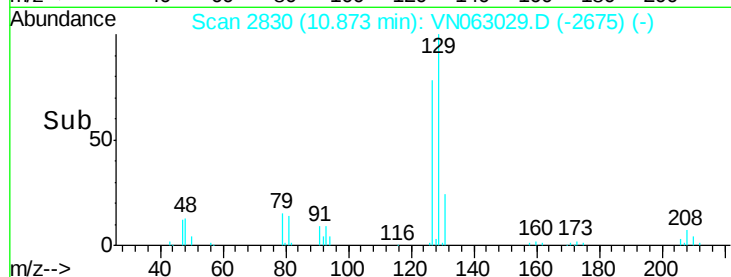
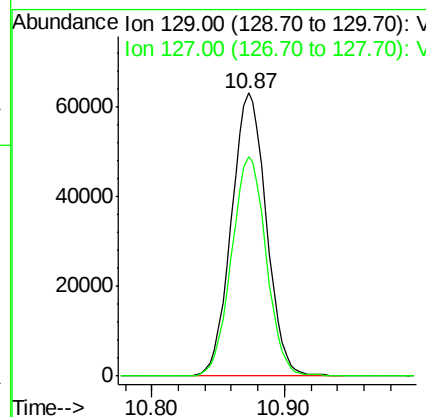
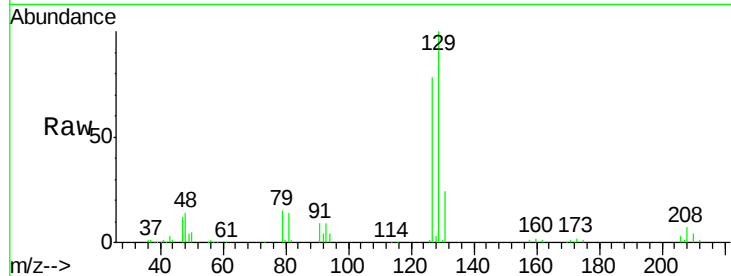
#53
 Dibromochloromethane
 Concen: 53.745 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.7	116.1

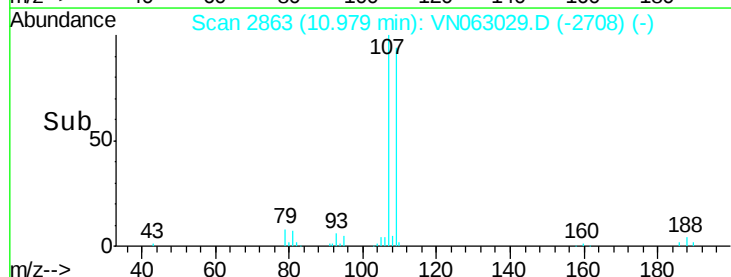
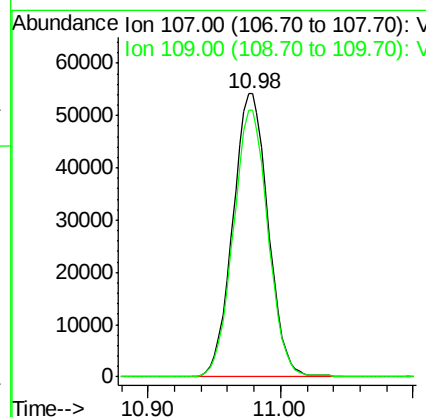
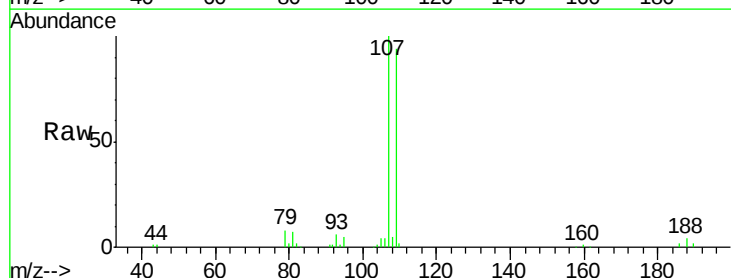
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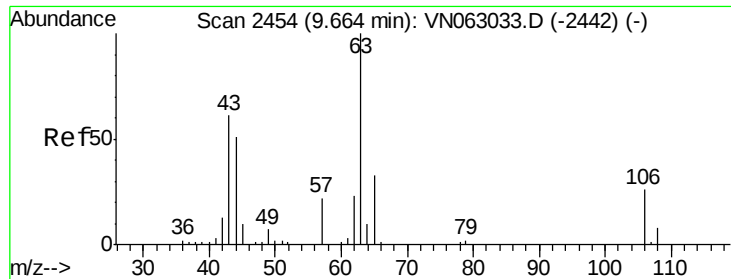
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#54
 1,2-Dibromoethane
 Concen: 53.307 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.7	76.3	114.5





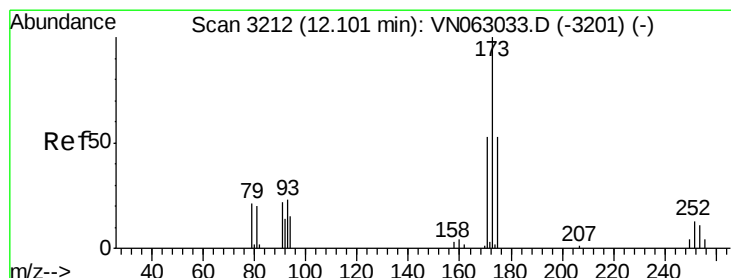
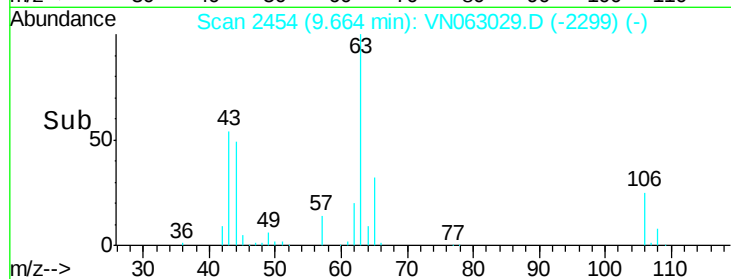
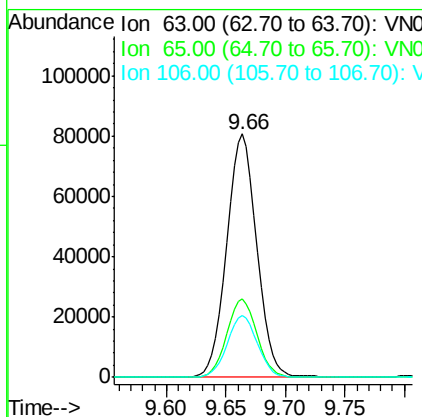
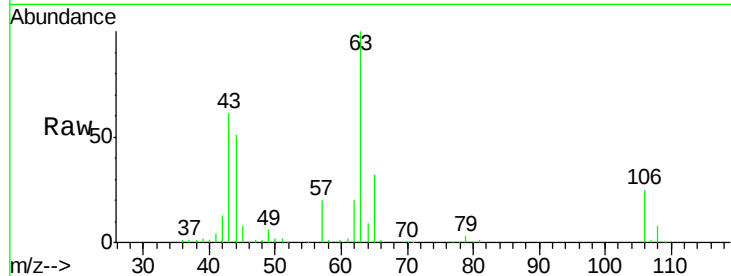
#55
2-Chloroethyl vinyl ether
Concen: 258.830 ug/l
RT: 9.66 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:	63	Resp:	141609
Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.9	38.9
106	25.3	19.9	29.9

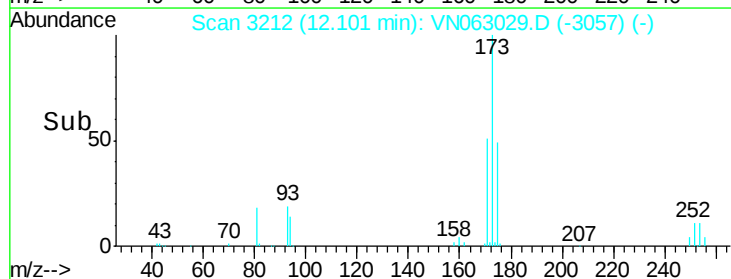
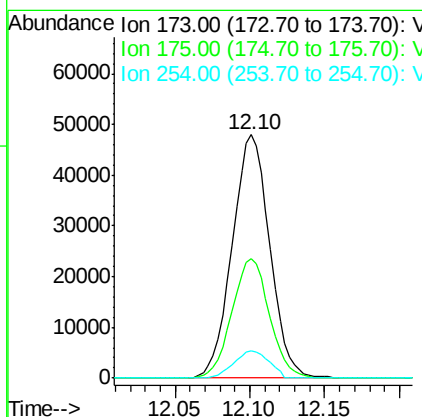
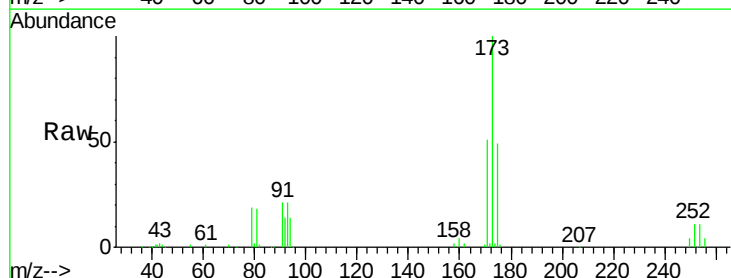
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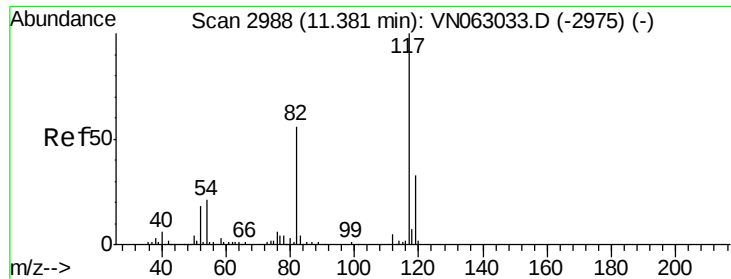
MMDadoda
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#56
Bromoform
Concen: 53.247 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion:	173	Resp:	83766
Ion	Ratio	Lower	Upper
173	100		
175	49.0	41.2	61.8
254	10.6	9.0	13.4





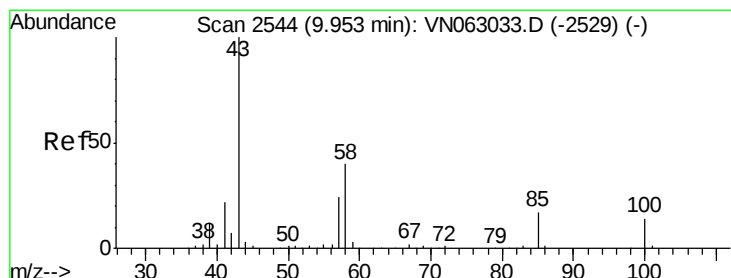
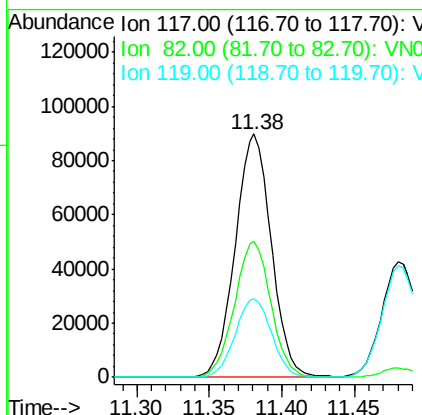
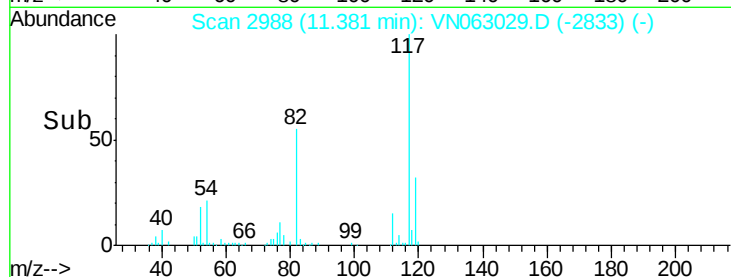
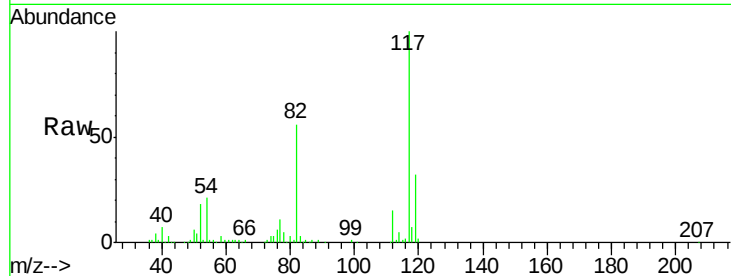
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	155374		
82	56.2	44.9	67.3	
119	32.7	26.0	39.0	

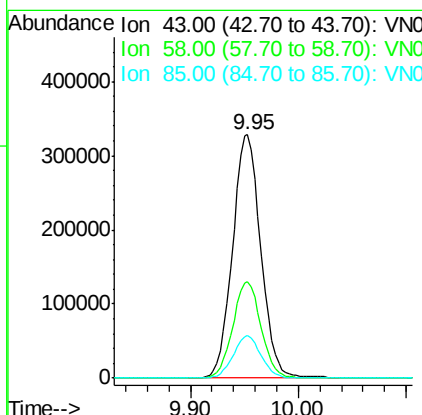
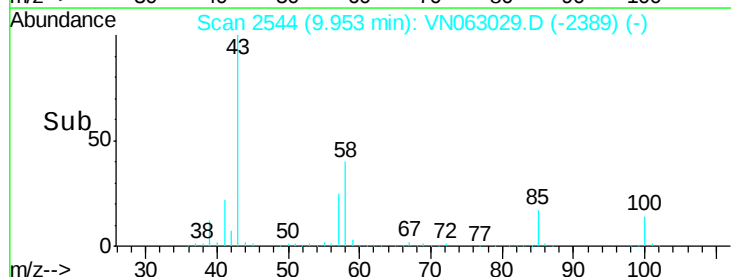
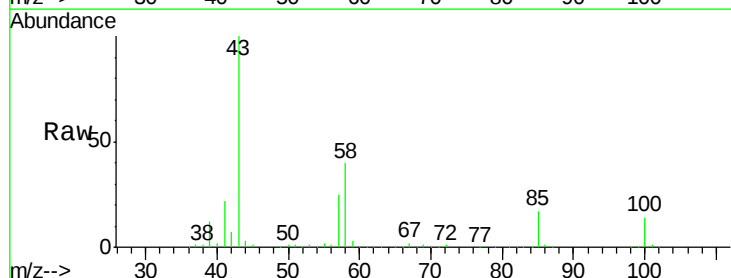
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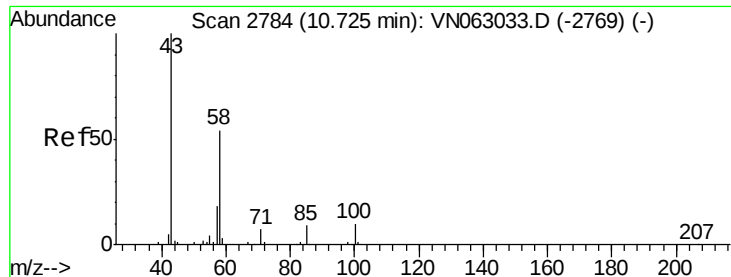
MMDadoda
8/21/2020 9:22:40 AM



#58
4-Methyl-2-Pentanone
Concen: 268.330 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	599750		
58	39.6	31.4	47.0	
85	17.2	13.4	20.2	





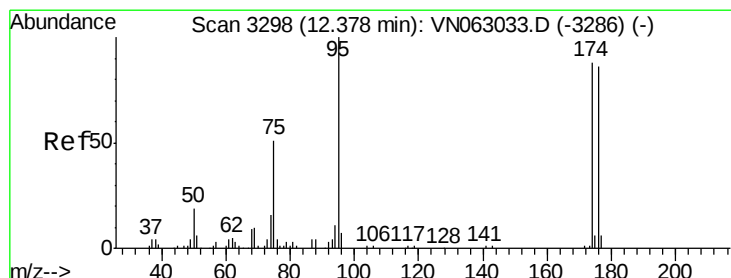
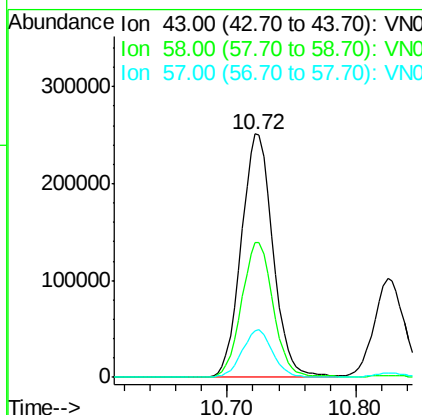
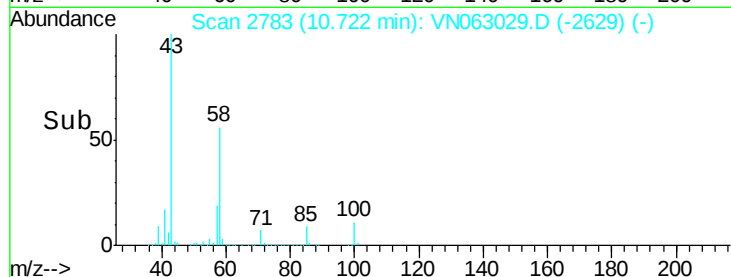
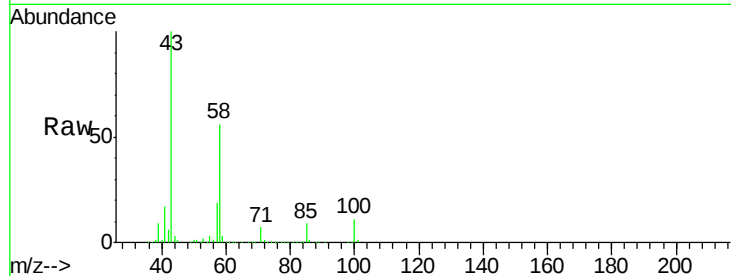
#59
2-Hexanone
Concen: 269.939 ug/l
RT: 10.72 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	43	Resp	430399
Ion	Ratio	Lower	Upper
43	100		
58	55.4	42.6	64.0
57	18.8	14.6	21.8

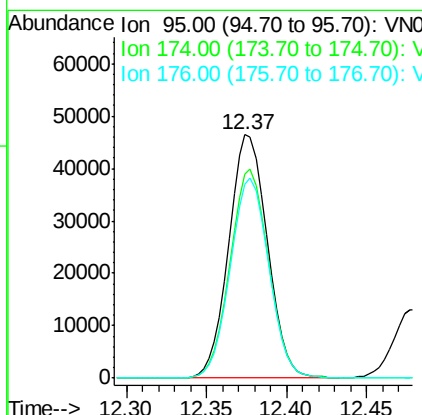
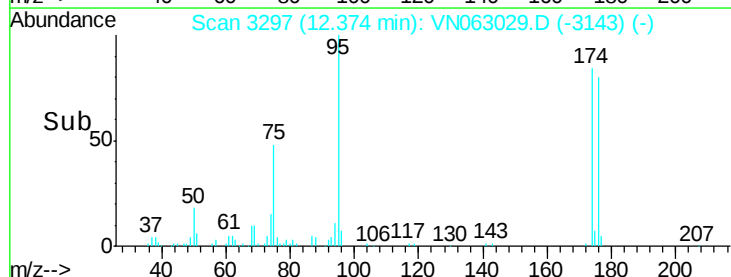
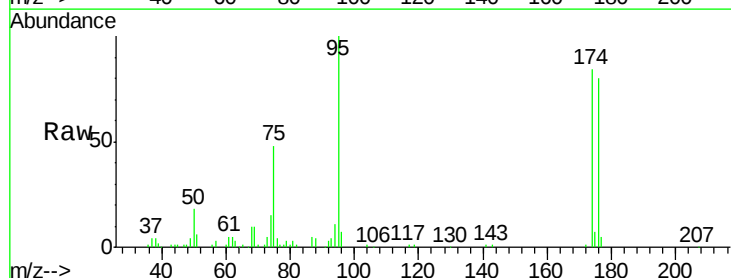
Manual Integrations
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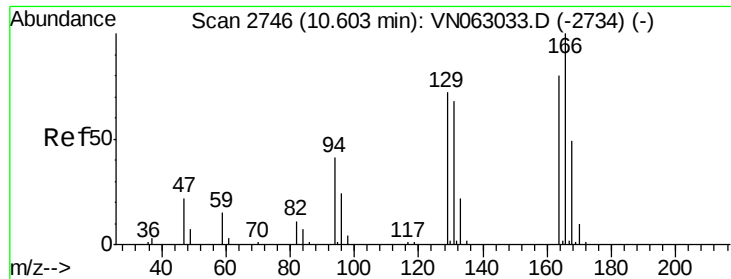
MMDadoda
8/21/2020 9:22:40 AM



#60
4-Bromofluorobenzene
Concen: 31.154 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion	95	Resp	76489
Ion	Ratio	Lower	Upper
95	100		
174	85.4	70.1	105.1
176	82.1	66.8	100.2





#61

Tetrachloroethene

Concen: 52.056 ug/l

RT: 10.60 min Scan# 2746

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 88667

Ion Ratio Lower Upper

164 100

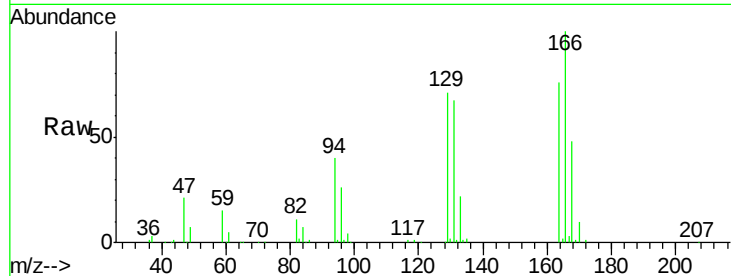
166 132.4 100.1 150.1

129 93.4 72.5 108.7

131 88.9 68.4 102.6

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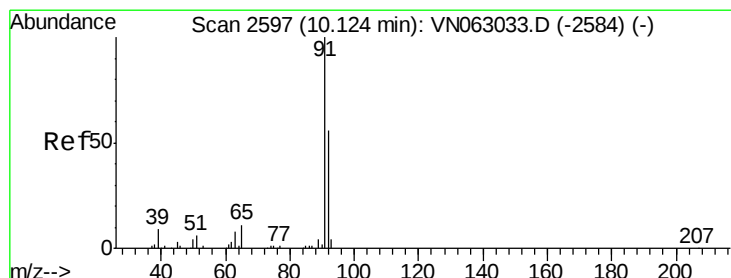
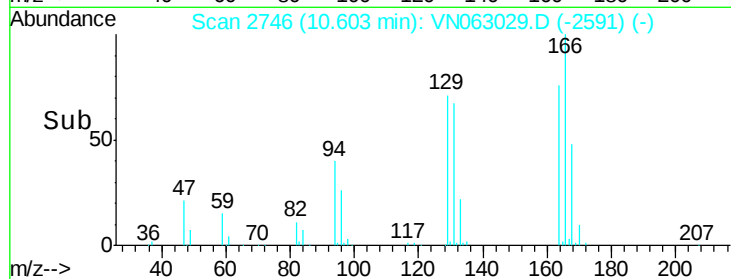
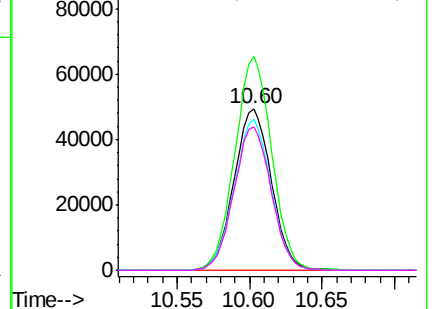


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 52.877 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN063029.D

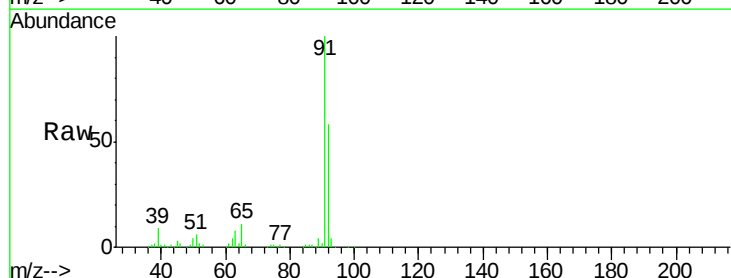
Acq: 20 Aug 2020 10:59

Tgt Ion: 91 Resp: 435419

Ion Ratio Lower Upper

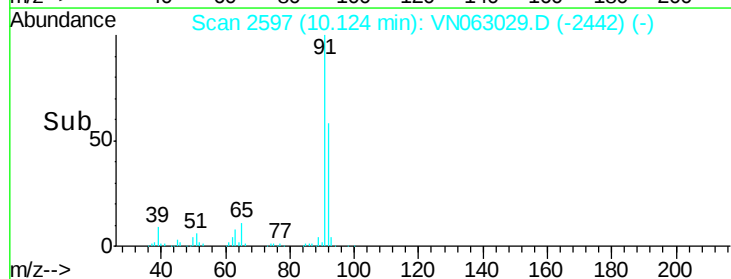
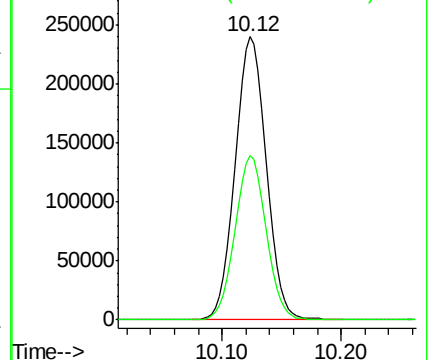
91 100

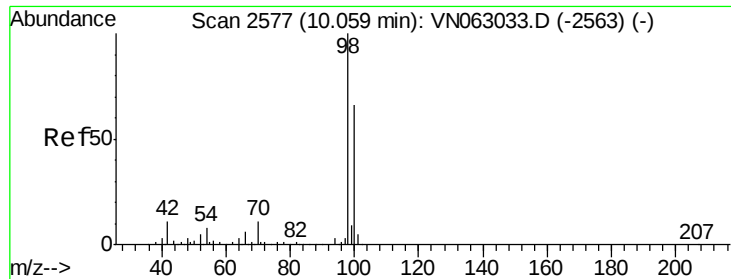
92 58.0 45.5 68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.360 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 98 Resp: 216488

Ion Ratio Lower Upper

98 100

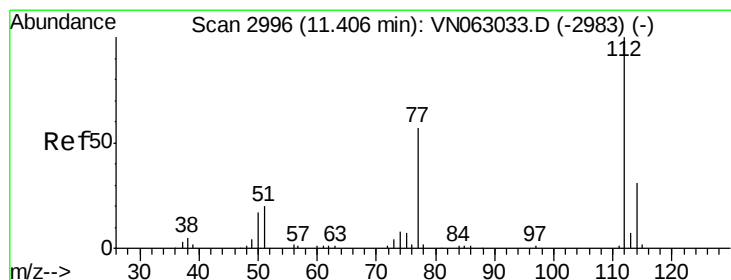
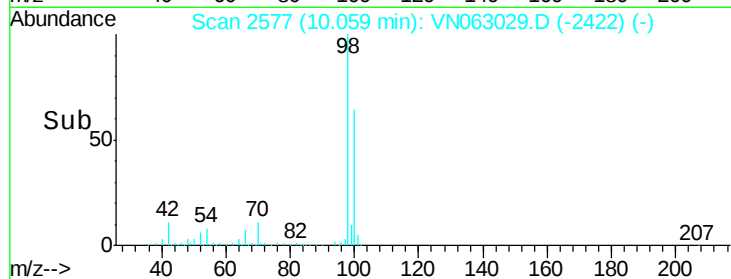
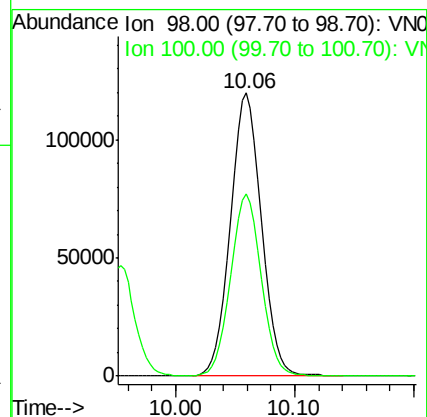
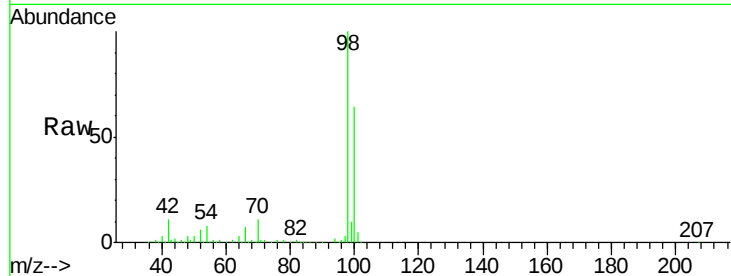
100 63.1 51.4 77.2

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#64

Chlorobenzene

Concen: 53.122 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN063029.D

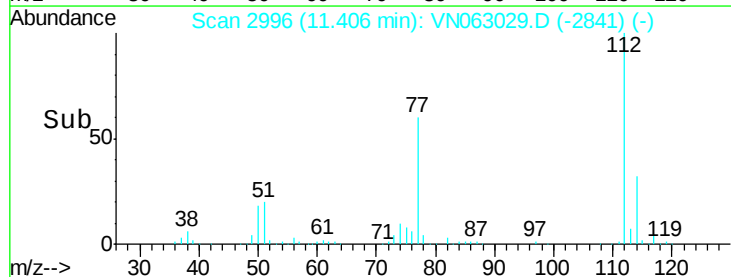
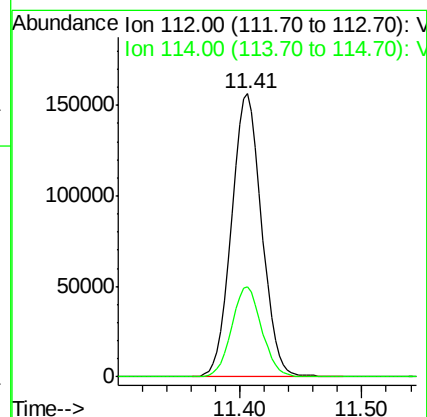
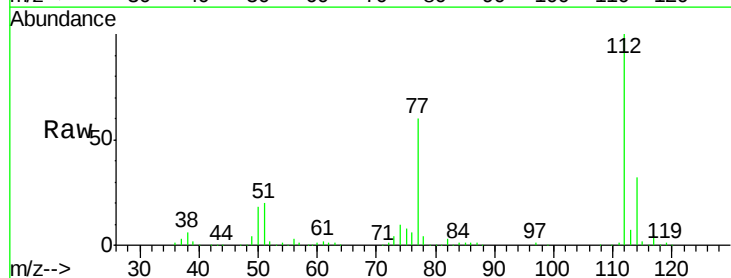
Acq: 20 Aug 2020 10:59

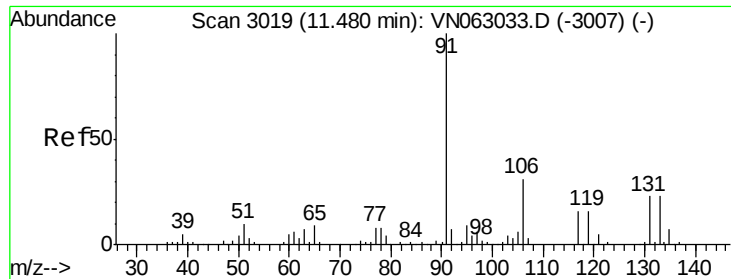
Tgt Ion: 112 Resp: 270670

Ion Ratio Lower Upper

112 100

114 31.9 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 53.491 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

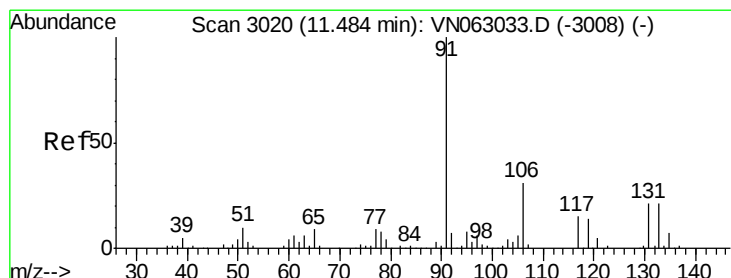
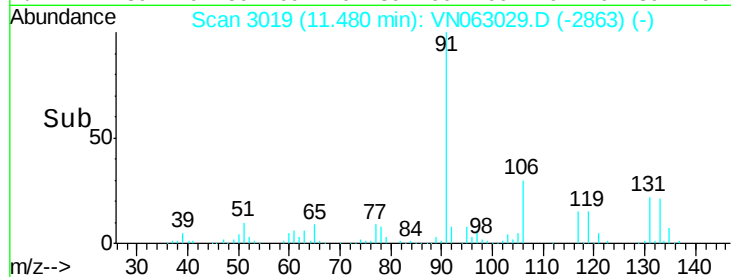
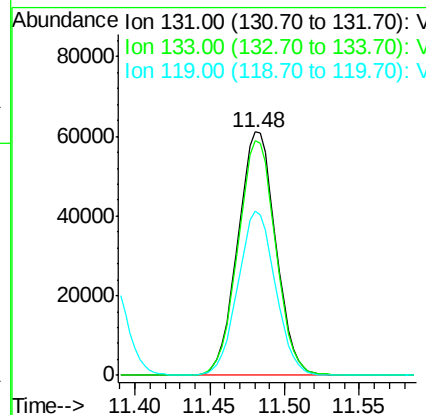
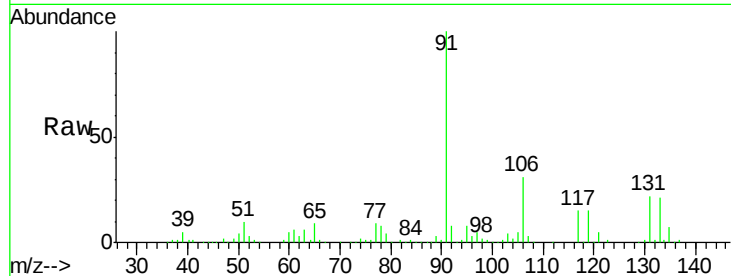
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
131	100	108027		
133	95.7	0.0	191.2	
119	66.6	0.0	134.2	

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#66

Ethyl Benzene

Concen: 54.254 ug/l

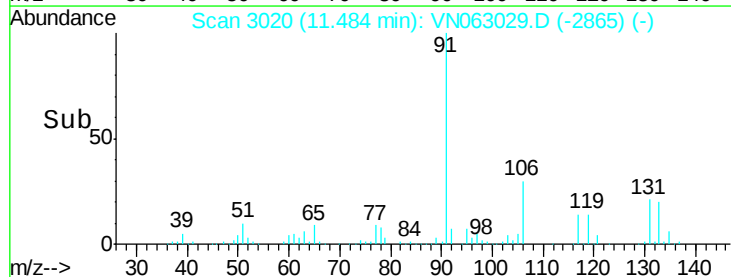
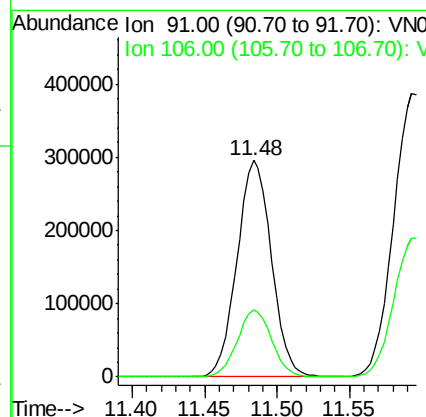
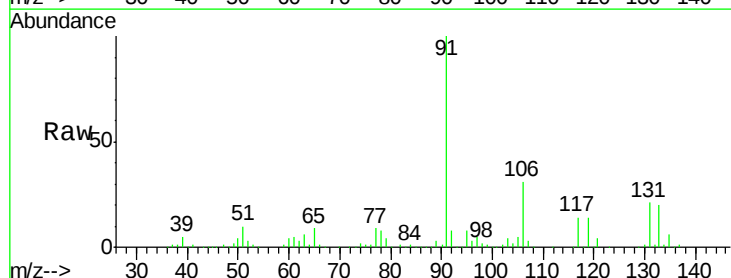
RT: 11.48 min Scan# 3020

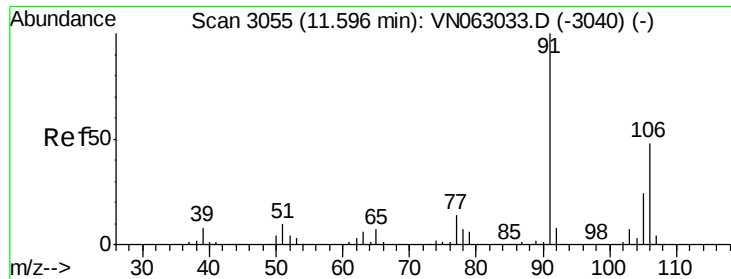
Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	486993		
106	30.7	25.0	37.4	





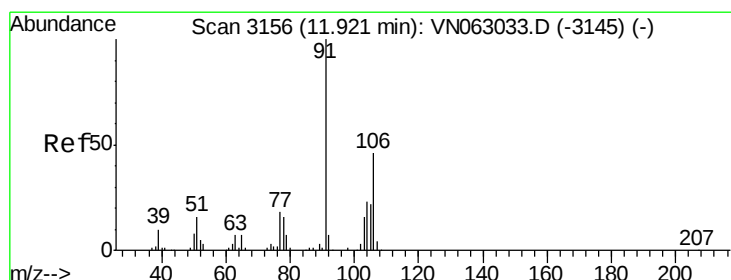
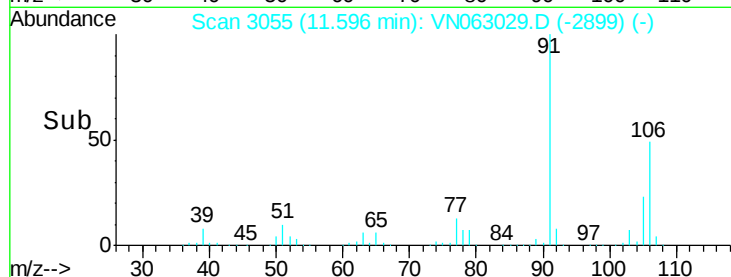
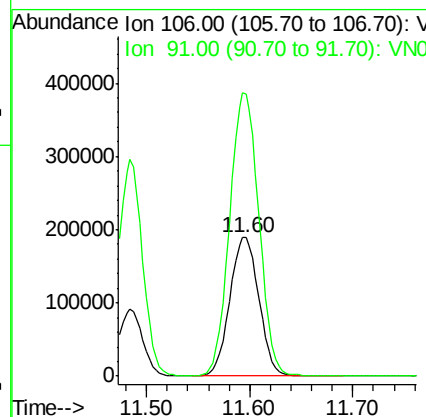
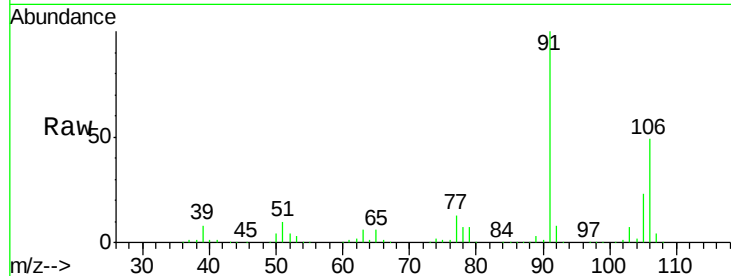
#67
m/p-Xylenes
Concen: 111.027 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion:106 Resp: 373351
Ion Ratio Lower Upper
106 100
91 204.9 164.9 247.3

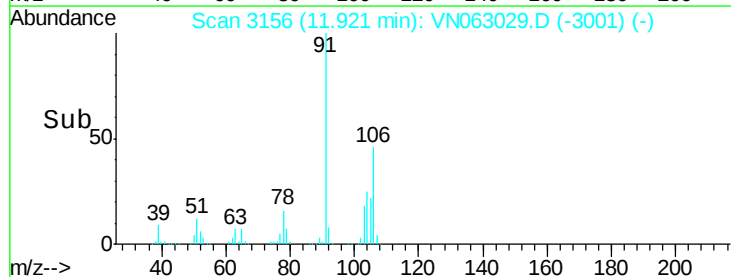
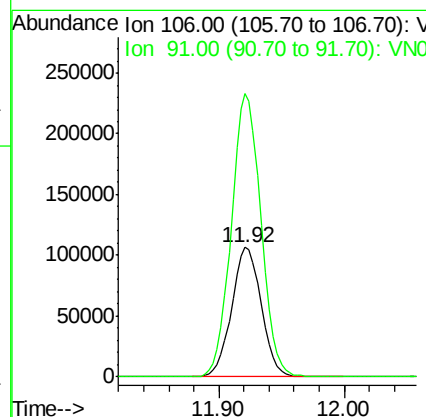
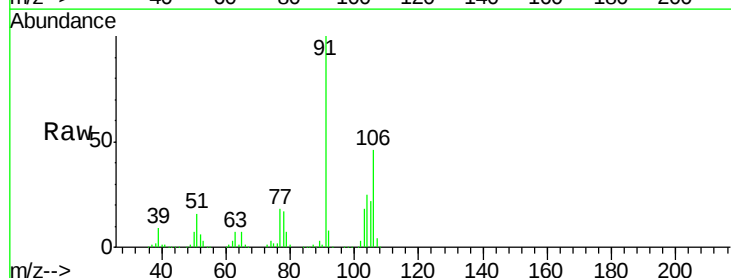
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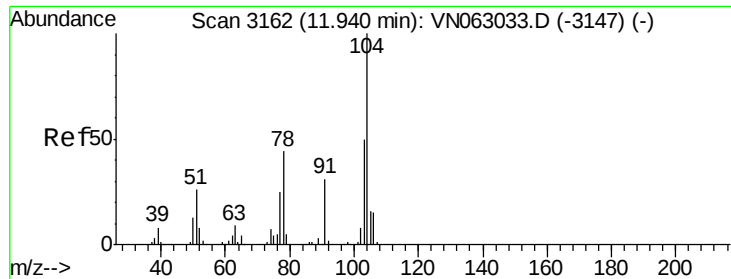
MMDadoda
8/21/2020 9:22:40 AM



#68
o-Xylene
Concen: 54.264 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion:106 Resp: 175285
Ion Ratio Lower Upper
106 100
91 218.2 108.0 324.0





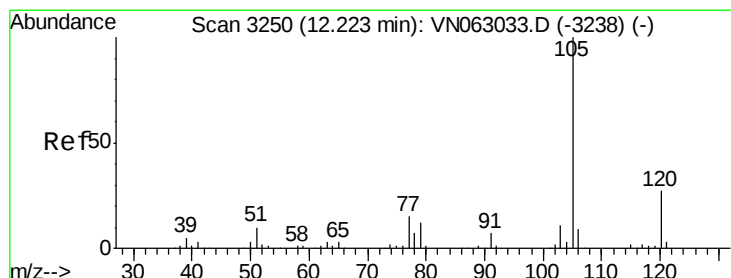
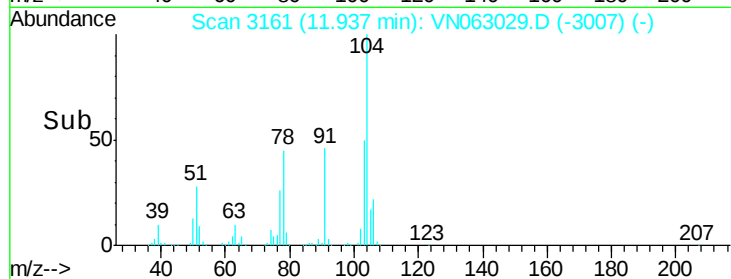
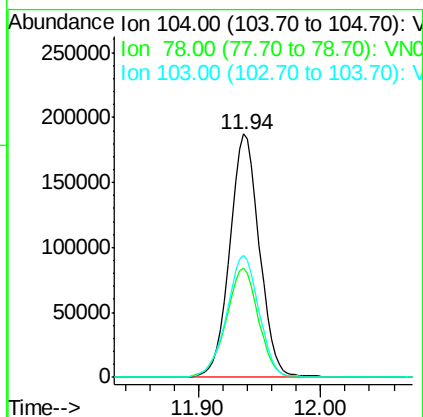
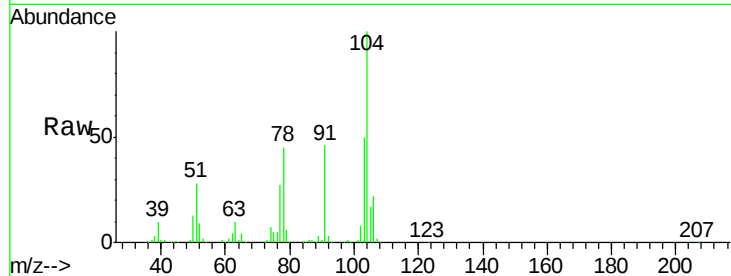
#69
Stvrene
Concen: 56.318 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
104	100	317792		
78	49.1		39.6	59.4
103	54.6		44.4	66.6

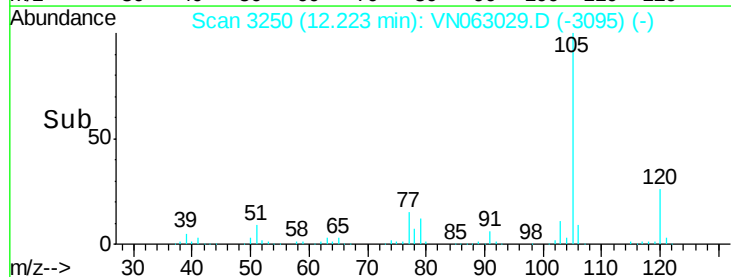
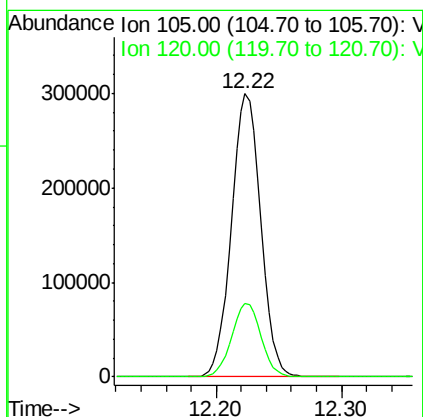
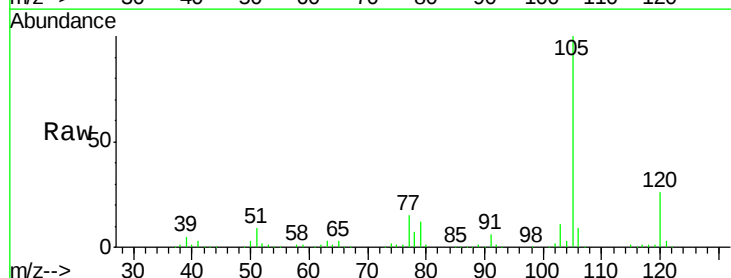
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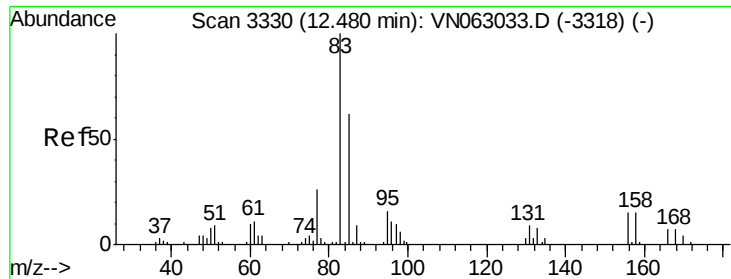
MMDadoda
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#70
Isopropylbenzene
Concen: 55.287 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	485817		
120	26.0		18.5	34.3





#71

1,1,2,2-Tetrachloroethane

Concen: 52.758 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 83 Resp: 148669

Ion Ratio Lower Upper

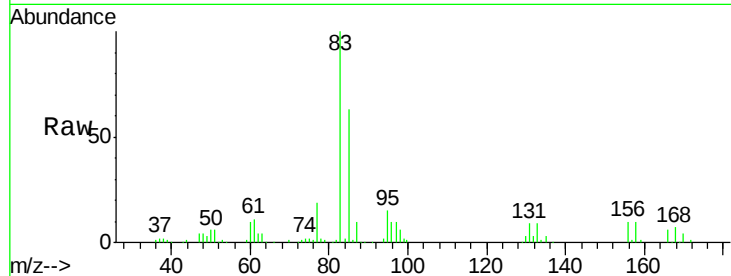
83 100

131 9.7 4.5 13.7

85 63.9 31.8 95.3

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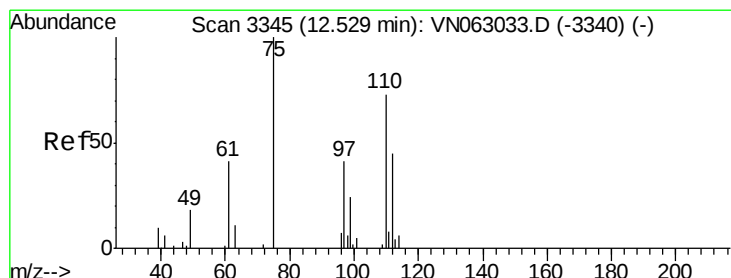
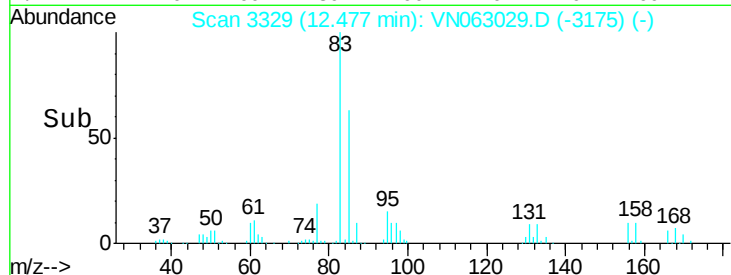


Abundance Ion 83.00 (82.70 to 83.70): VN063029.D (-3175) (-)

Ion 131.00 (130.70 to 131.70): VN063029.D (-3175) (-)

Ion 85.00 (84.70 to 85.70): VN063029.D (-3175) (-)

Time--> 12.40 12.45 12.50



#72

1,2,3-Trichloropropane

Concen: 54.145 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN063029.D

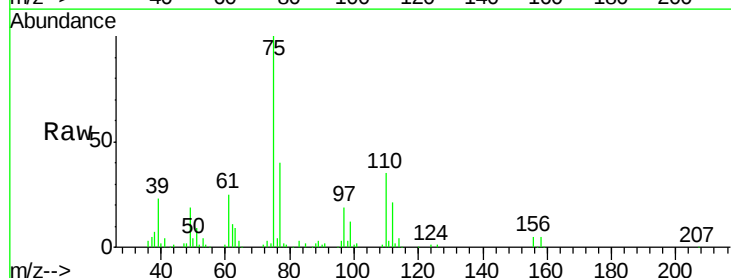
Acq: 20 Aug 2020 10:59

Tgt Ion: 75 Resp: 131868

Ion Ratio Lower Upper

75 100

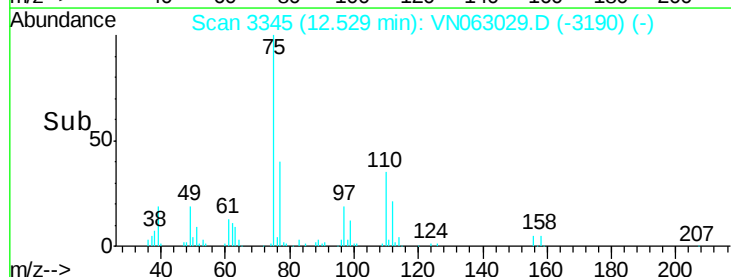
77 193.4 0.0 387.8



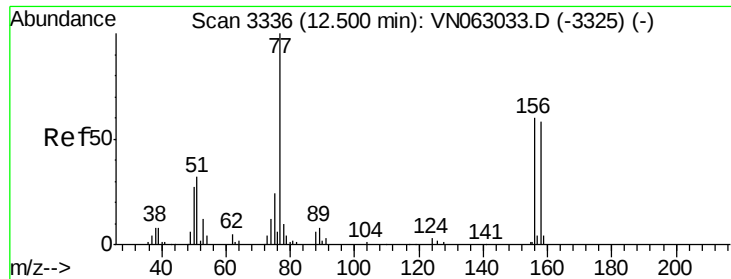
Abundance Ion 75.00 (74.70 to 75.70): VN063029.D (-3190) (-)

Ion 77.00 (76.70 to 77.70): VN063029.D (-3190) (-)

Time--> 12.50 12.55



Time--> 12.50 12.55



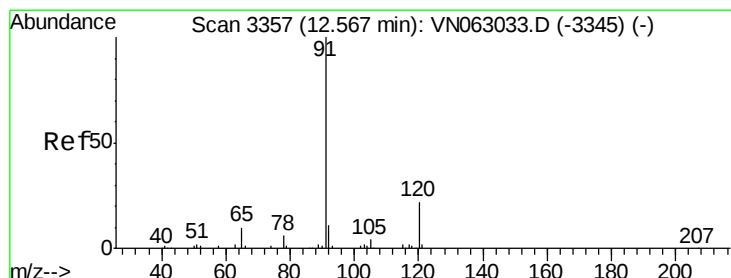
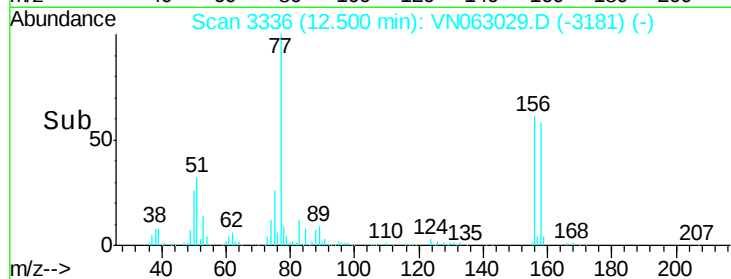
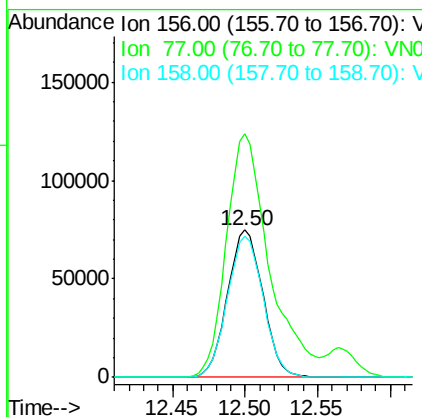
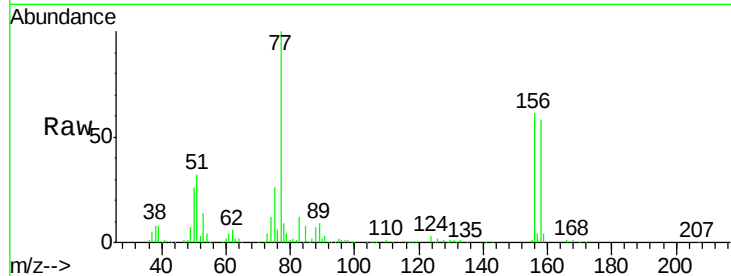
#73
Bromobenzene
Concen: 53.708 ug/l
RT: 12.50 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	127271		
77	200.3	0.0	398.6	
158	97.0	0.0	195.4	

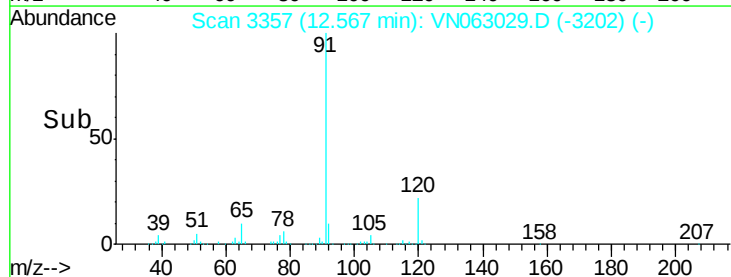
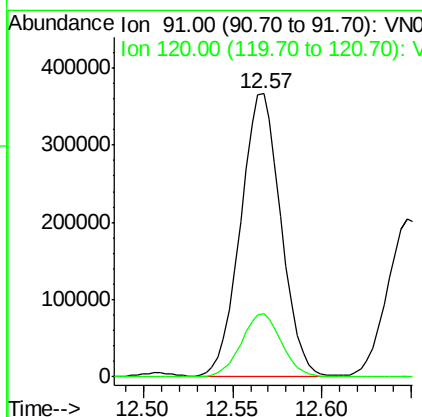
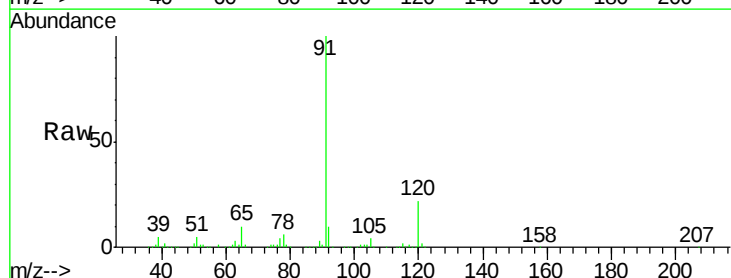
Manual Integrations
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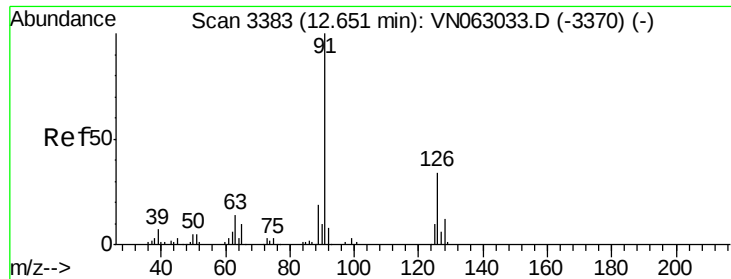
MMDadoda
8/21/2020 9:22:40 AM



#74
n-propylbenzene
Concen: 55.185 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	581695		
120	22.2	0.0	44.0	





#75

2-Chlorotoluene

Concen: 54.105 ug/l

RT: 12.65 min Scan# 3382

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 91 Resp: 339906

Ion Ratio Lower Upper

91 100

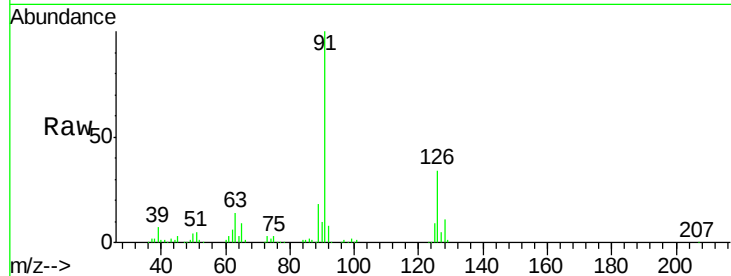
126 34.5 0.0 68.0

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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) (-)

400000

300000

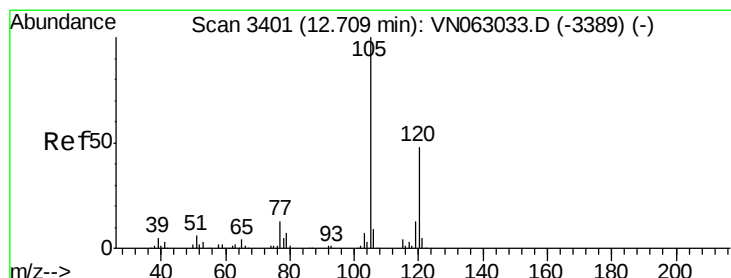
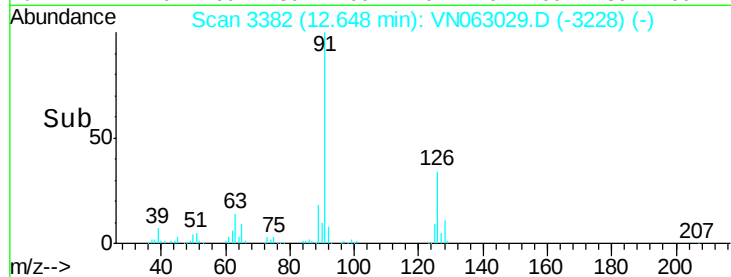
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 55.560 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN063029.D

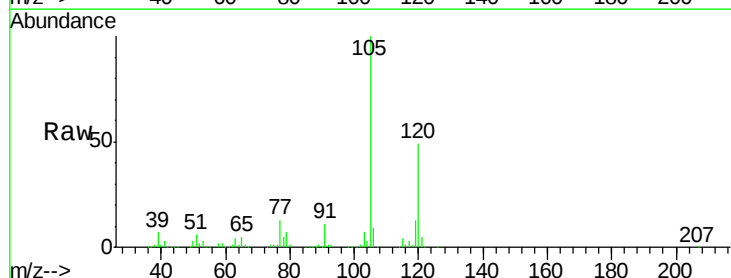
Acq: 20 Aug 2020 10:59

Tgt Ion: 105 Resp: 416649

Ion Ratio Lower Upper

105 100

120 49.0 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) (-)

300000

250000

200000

150000

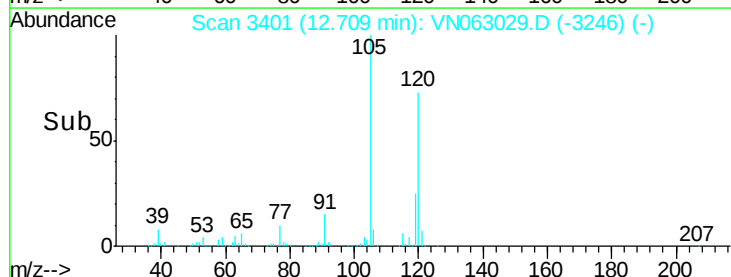
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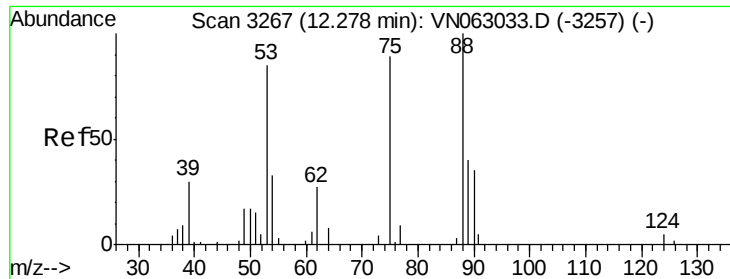
50000

0

12.60 12.70 12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 53.976 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Instrument :

MSVOA_N

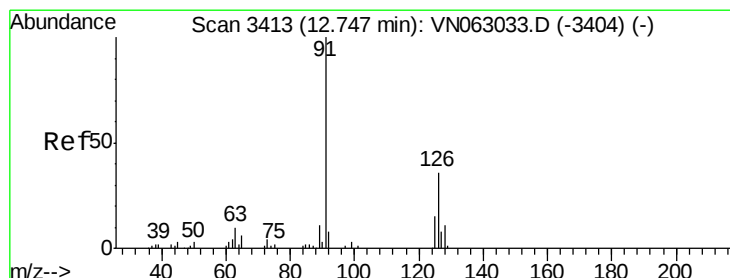
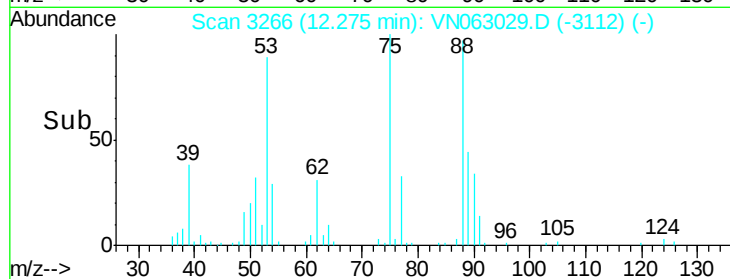
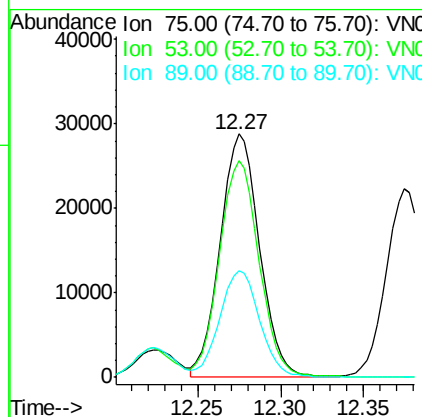
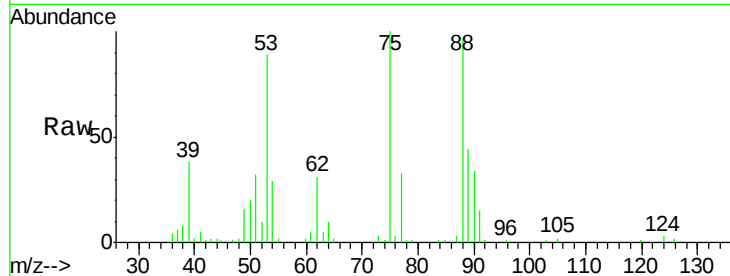
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	47700
Ion	Ratio	Lower	Upper
75	100		
53	88.9	47.0	141.0
89	44.3	22.9	68.7

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#78

4-Chlorotoluene

Concen: 54.276 ug/l

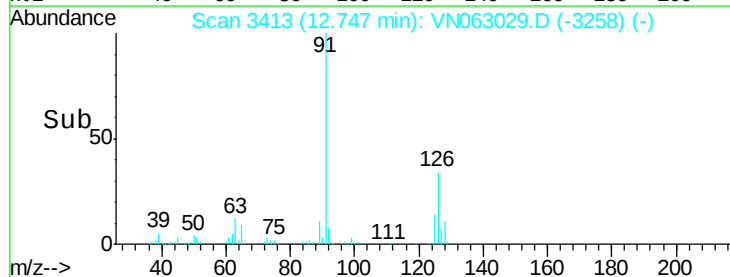
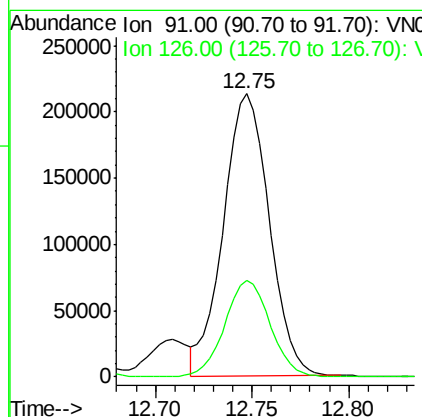
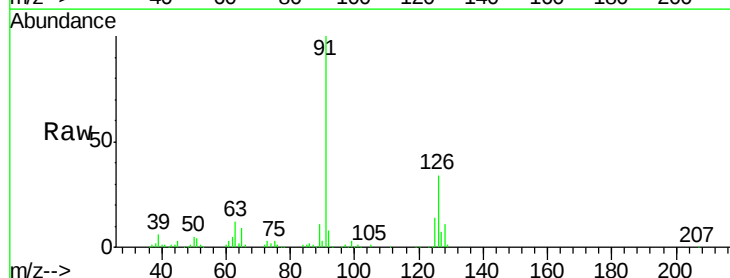
RT: 12.75 min Scan# 3413

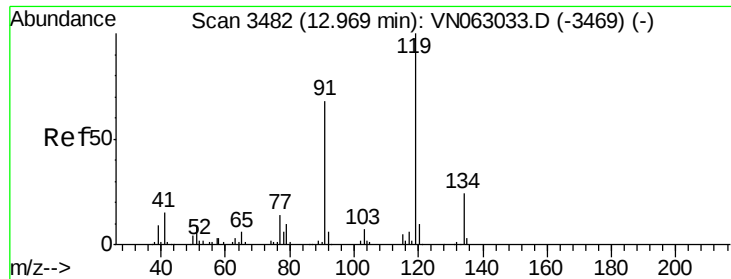
Delta R.T. -0.00 min

Lab File: VN063029.D

Acq: 20 Aug 2020 10:59

Tgt Ion:	91	Resp:	351554
Ion	Ratio	Lower	Upper
91	100		
126	33.9	0.0	65.0





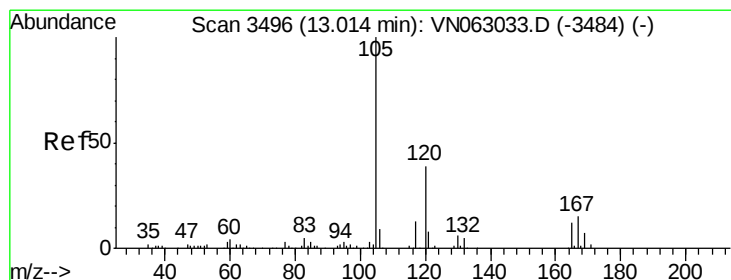
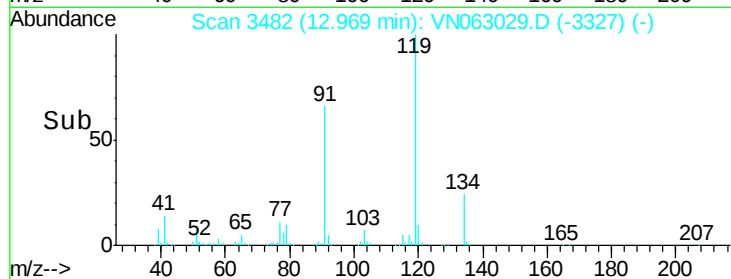
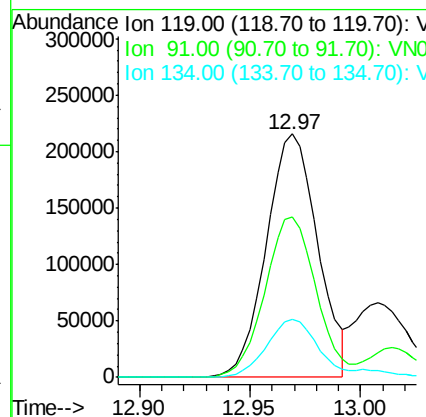
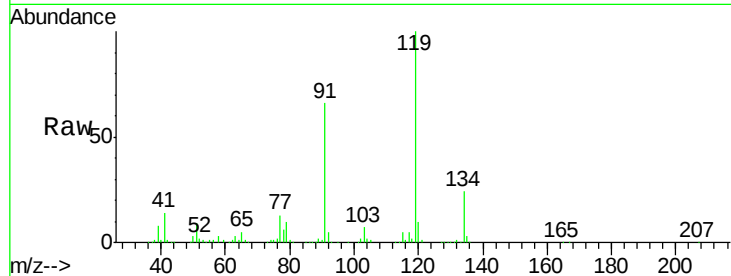
#79
tert-butylbenzene
Concen: 55.126 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	347830		
91	66.2	0.0	136.8	
134	23.7	0.0	48.8	

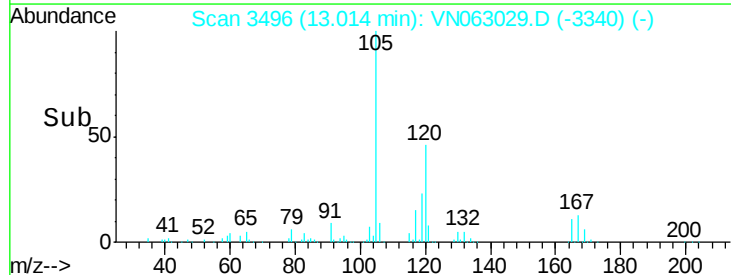
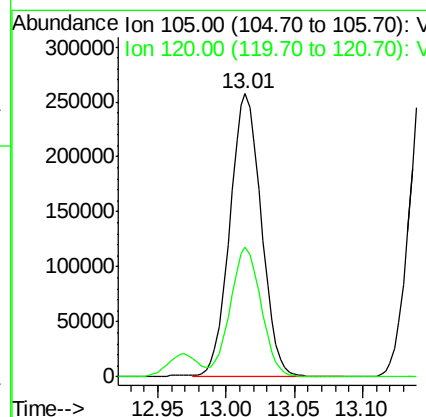
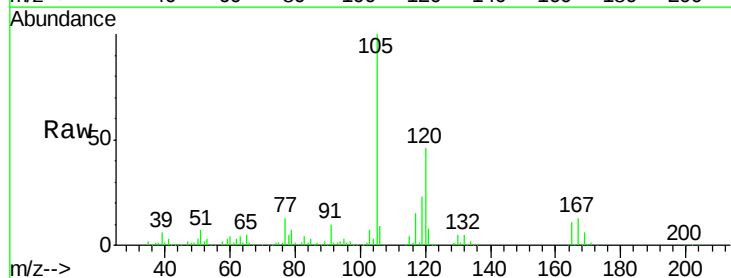
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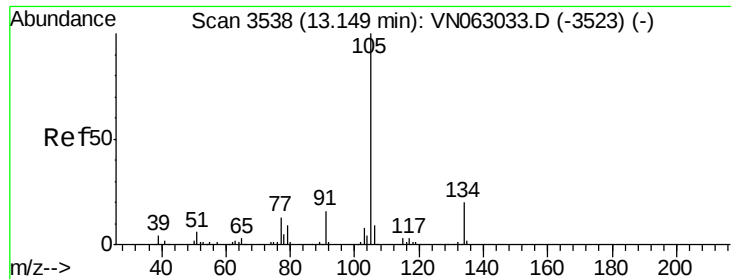
MMDadoda
8/21/2020 9:22:40 AM



#80
1,2,4-Trimethylbenzene
Concen: 56.271 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	410755		
120	45.3	0.0	90.4	





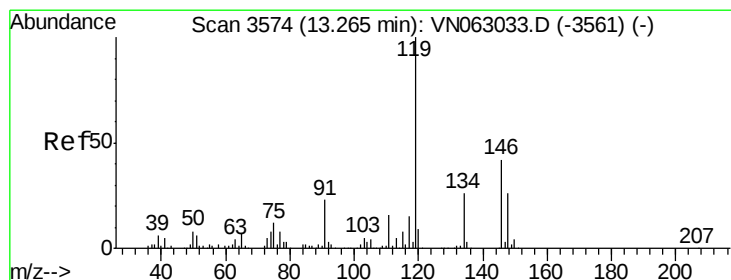
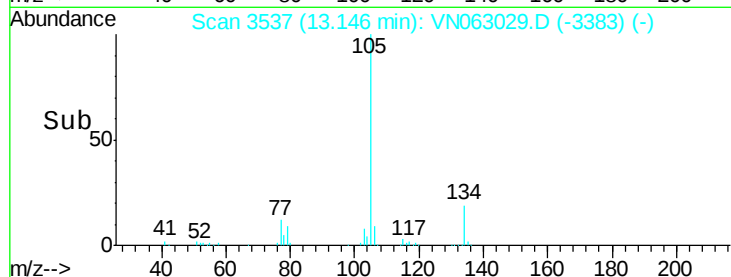
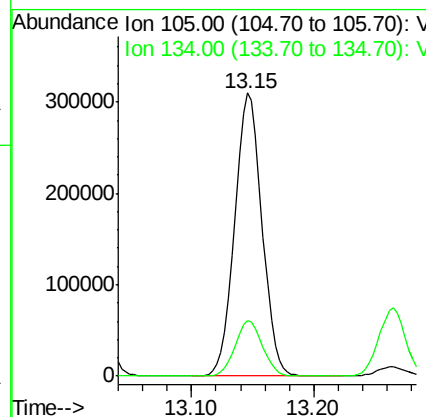
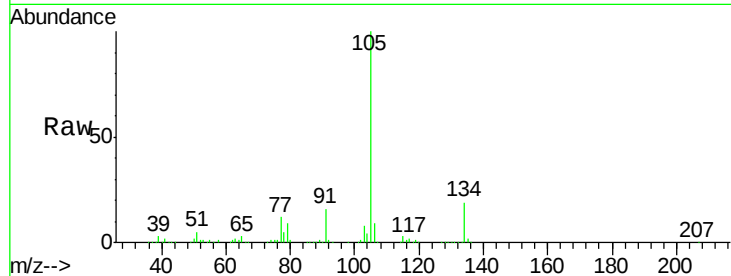
#81
 sec-Butylbenzene
 Concen: 55.556 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	482882		
134	19.6	0.0	39.4	

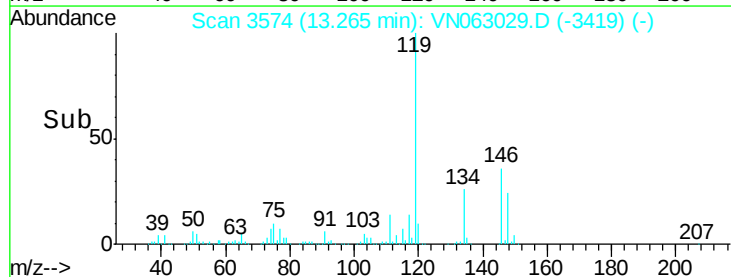
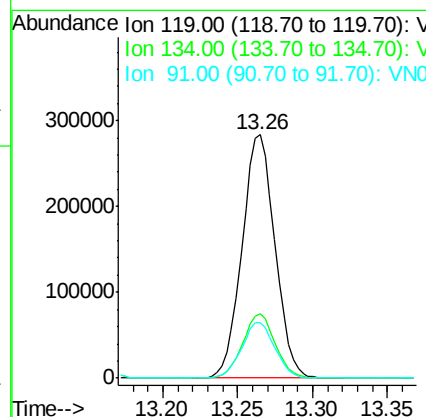
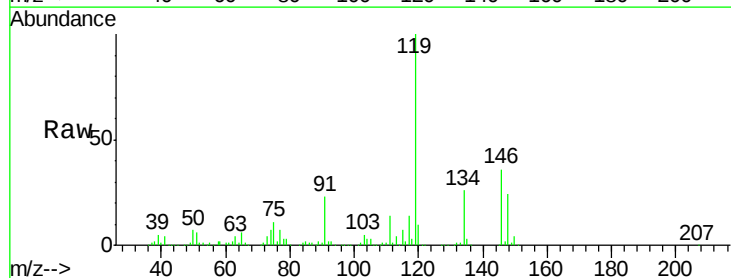
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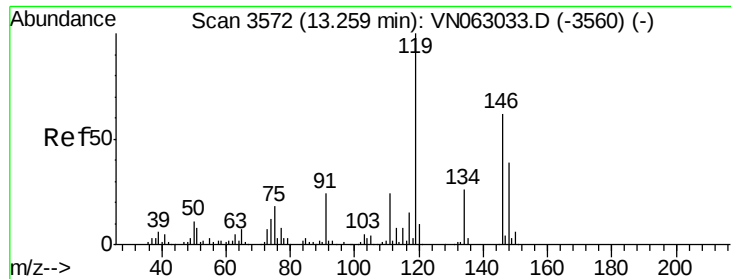
MMDadoda
 8/21/2020 9:22:40 AM



#82
 p-Isopropyltoluene
 Concen: 56.279 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	433656		
134	26.1	0.0	52.2	
91	23.1	0.0	46.2	





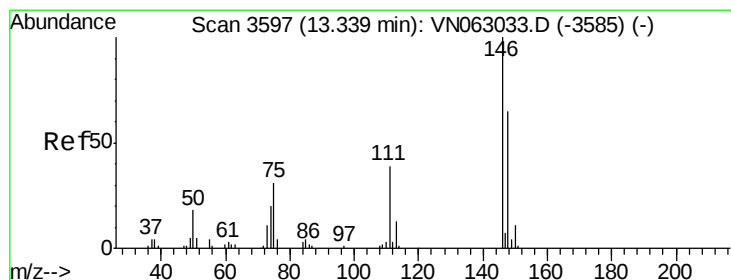
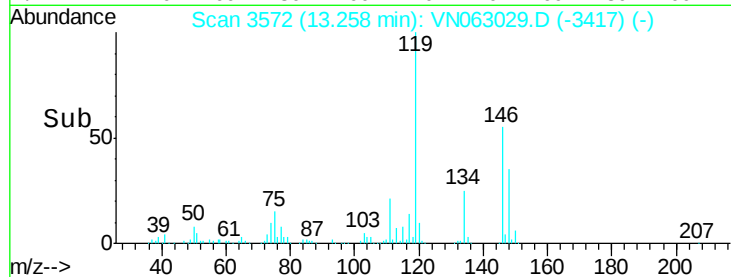
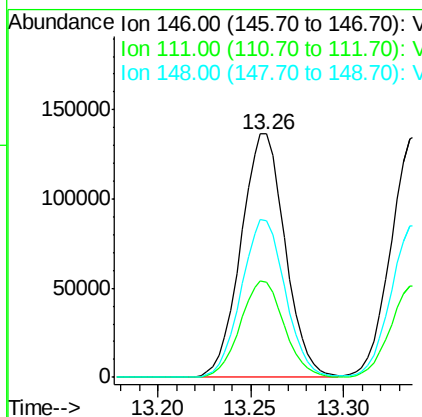
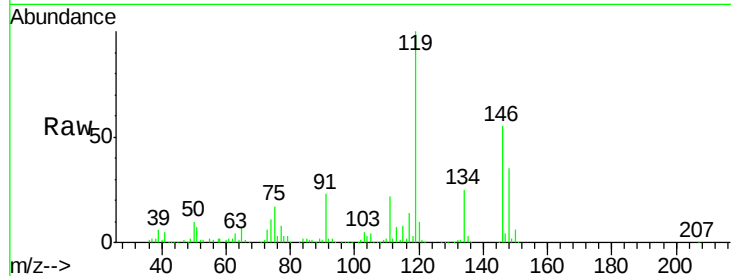
#83
 1,3-Dichlorobenzene
 Concen: 54.872 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.4	58.1
148	64.5	31.5	94.5

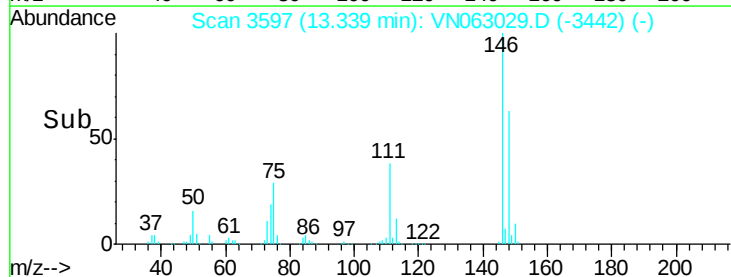
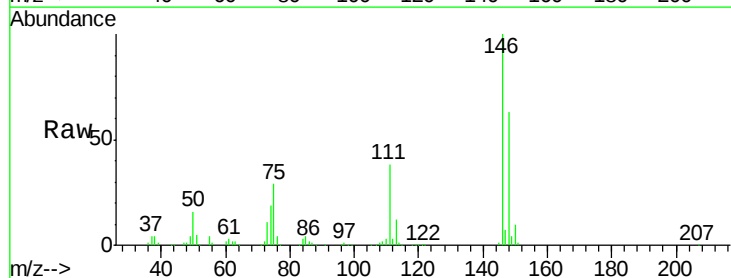
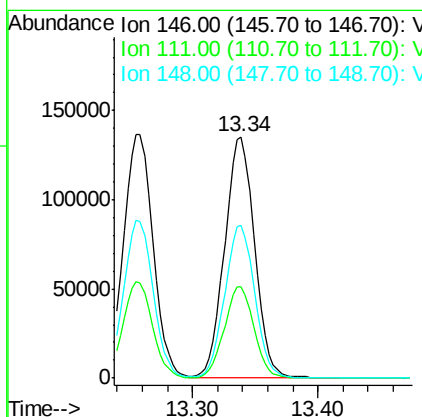
Manual Integrations
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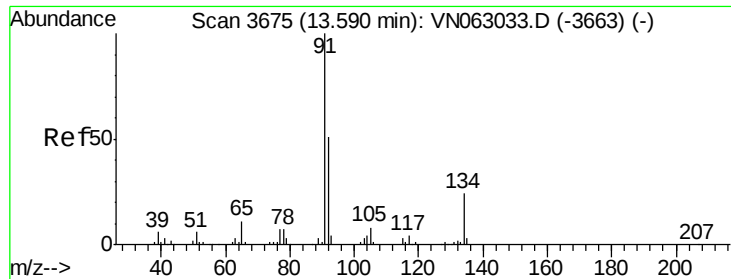
MMDadoda
 8/21/2020 9:22:40 AM



#84
 1,4-Dichlorobenzene
 Concen: 55.351 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.8
148	63.2	31.6	94.8





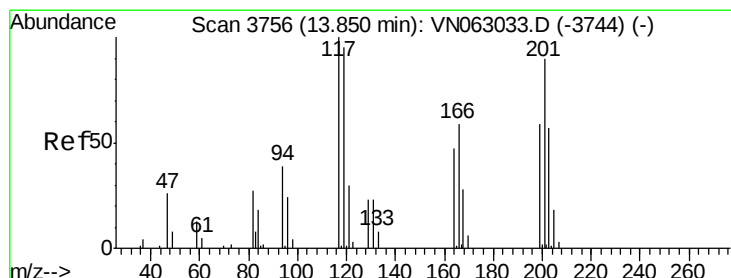
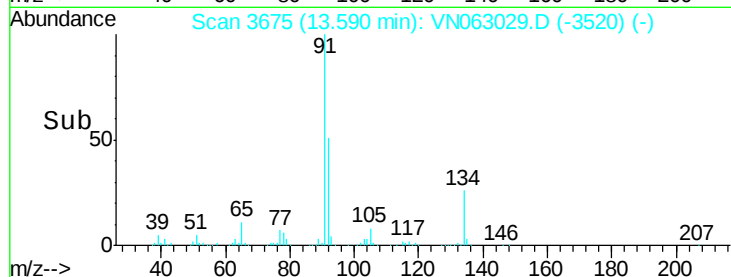
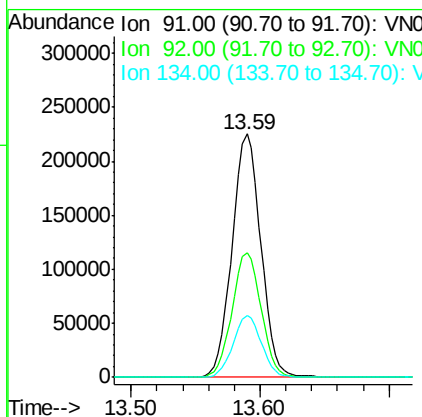
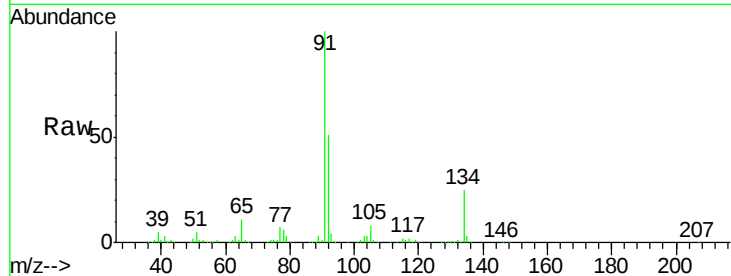
#85
n-Butylbenzene
Concen: 54.603 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	349651		
92	51.7	0.0	100.6	
134	25.1	0.0	47.4	

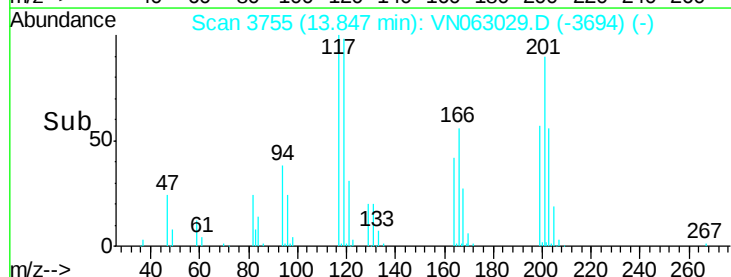
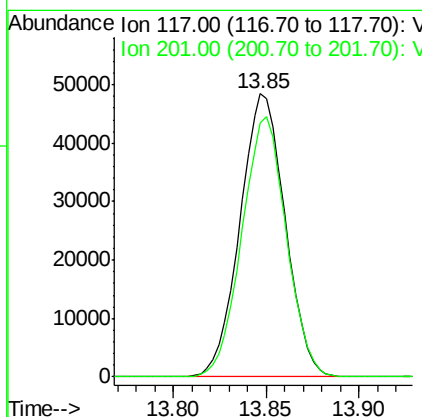
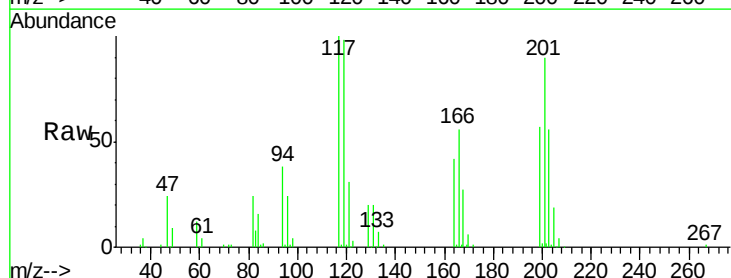
Manual Integrations
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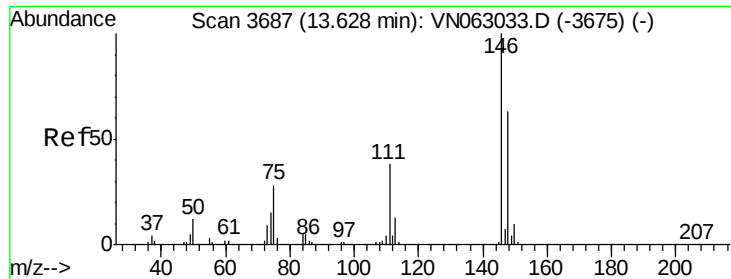
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8/21/2020 9:22:40 AM



#86
Hexachloroethane
Concen: 54.189 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	82238		
201	90.5	46.1	138.3	





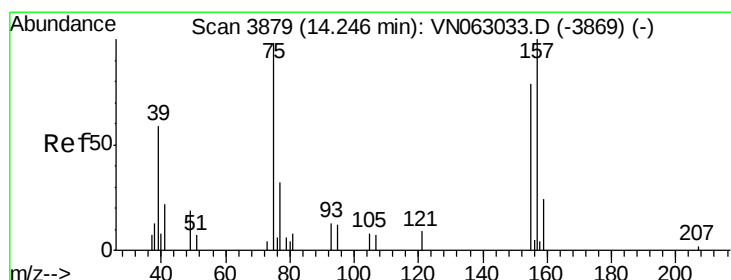
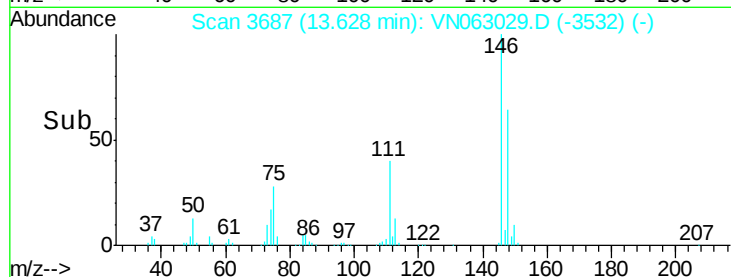
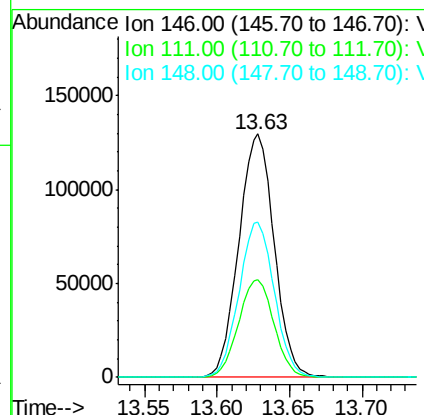
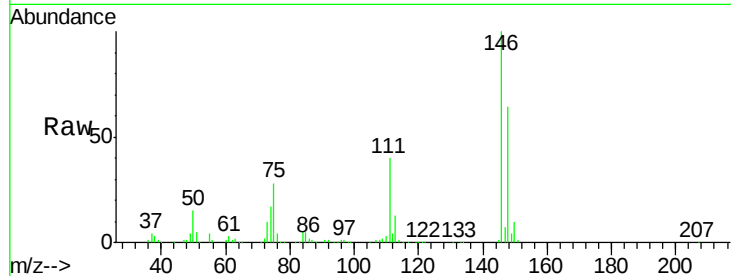
#87
 1,2-Dichlorobenzene
 Concen: 55.613 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	220370		
111	40.2		19.1	57.3
148	63.8		31.8	95.4

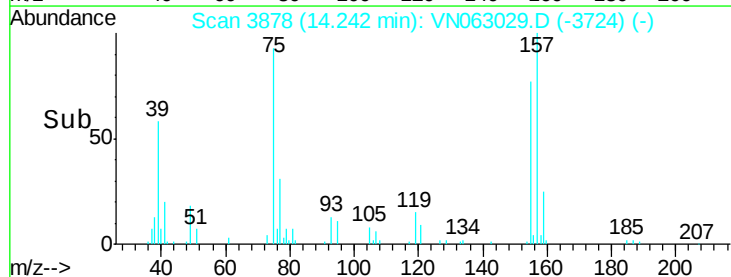
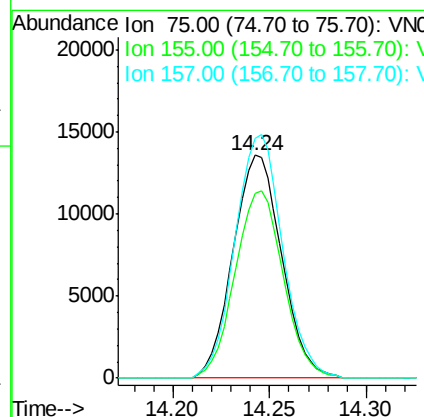
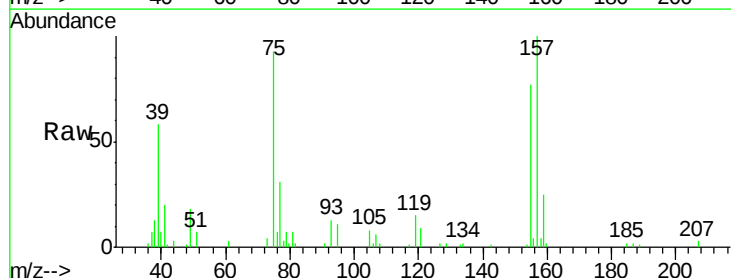
Manual Integrations
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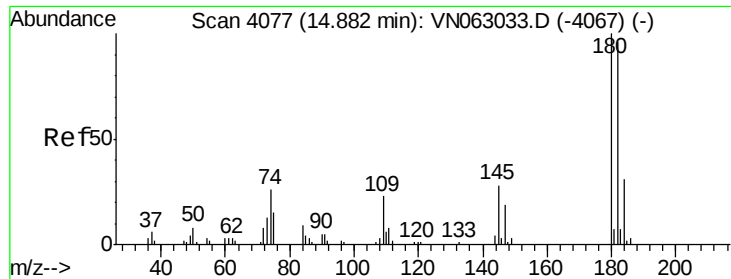
MMDadoda
 8/21/2020 9:22:40 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 53.146 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23755		
155	83.1		64.8	97.2
157	107.1		81.2	121.8





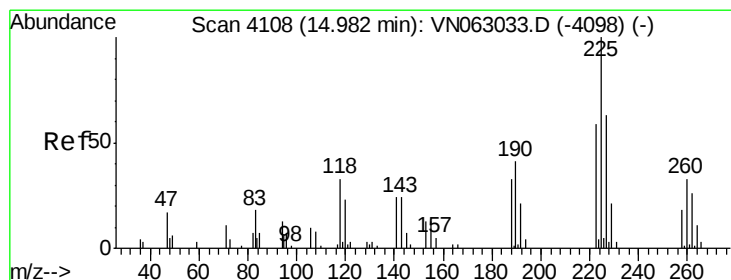
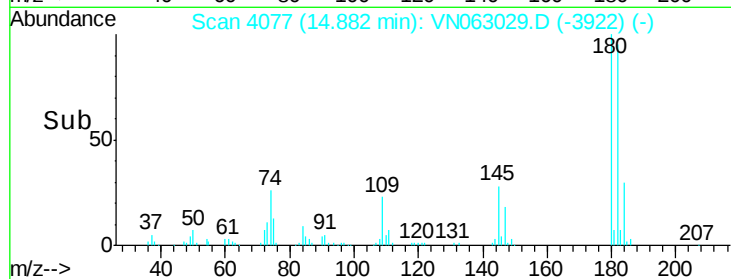
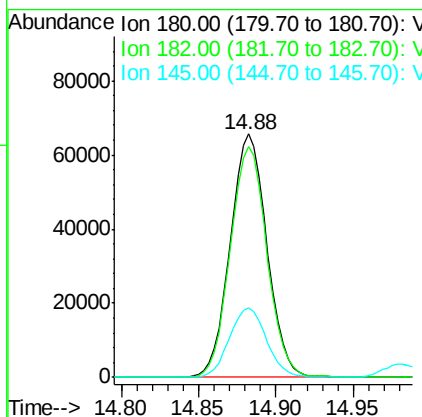
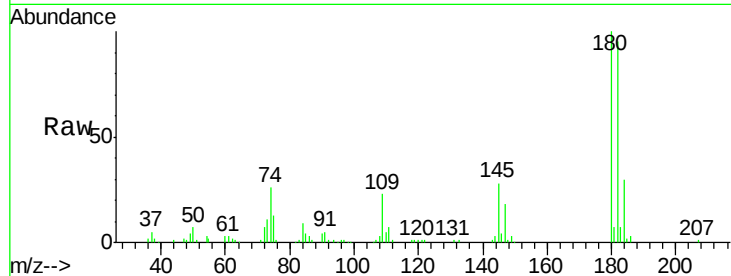
#89
 1,2,4-Trichlorobenzene
 Concen: 55.166 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107878		
182	95.1	76.9	115.3	
145	28.7	21.9	32.9	

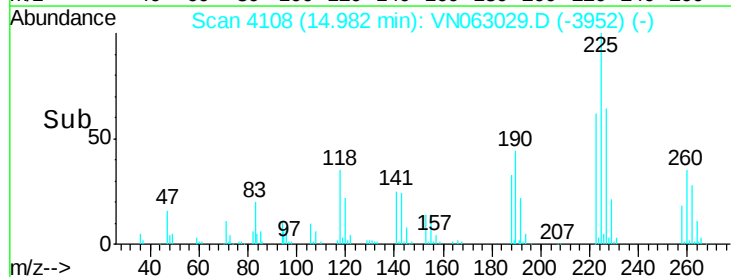
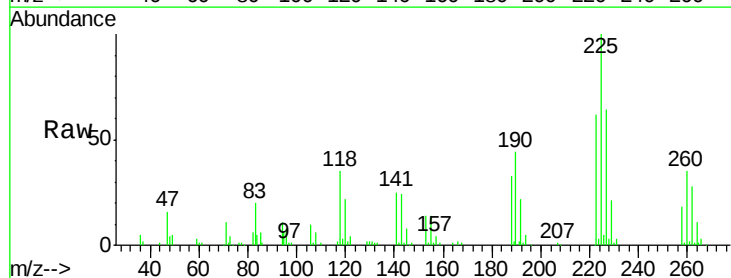
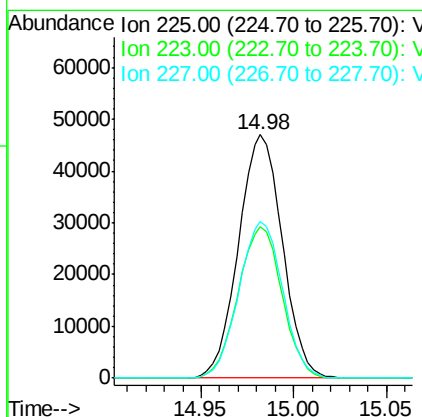
Manual Integrations
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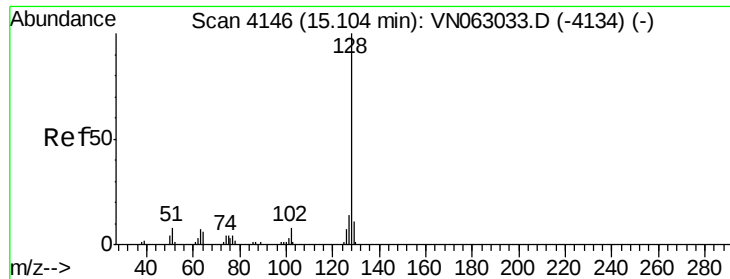
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 8/21/2020 9:22:40 AM



#90
 Hexachlorobutadiene
 Concen: 53.381 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN063029.D
 Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77265		
223	62.5	0.0	122.8	
227	64.3	0.0	125.6	





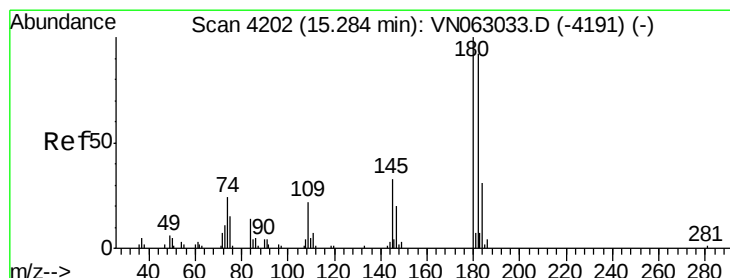
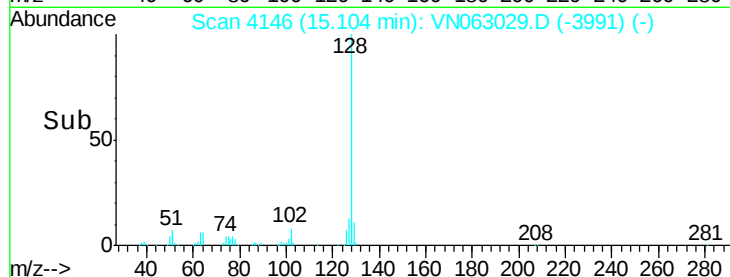
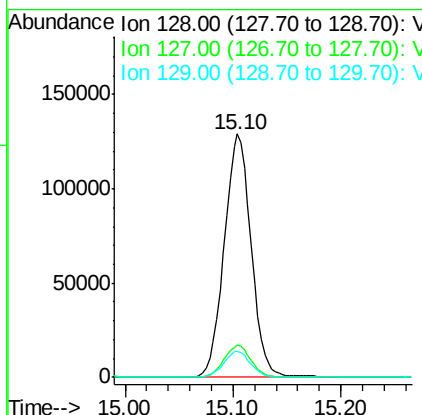
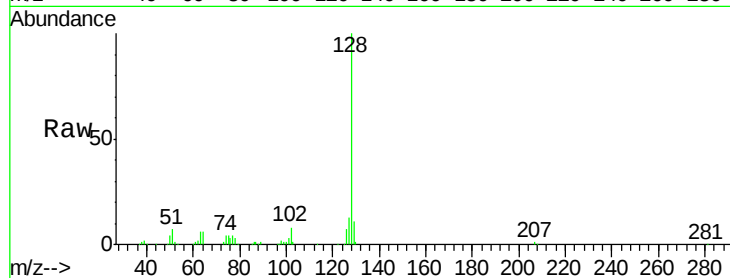
#91
Naphthalene
Concen: 51.968 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.0	11.1	16.7	
129	10.7	8.4	12.6	

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 53.312 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN063029.D
Acq: 20 Aug 2020 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	0.0	188.0	
145	30.1	0.0	62.0	

