

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090420\
 Data File : VN063241.D
 Acq On : 4 Sep 2020 12:37
 Operator : JC/MD
 Sample : VN0904MBS01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

Manual Integrations
 APPROVED

MMDadoda
 9/8/2020 5:34:34 PM

Quant Time: Sep 07 00:45:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	321702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	596099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	556791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	245867	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	240646	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	7.55	113	177885	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
50) Toluene-d8	10.06	98	692934	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
62) 4-Bromofluorobenzene	12.38	95	230719	44.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	52944	16.711	ug/l	93
3) Chloromethane	2.04	50	77606	16.822	ug/l	100
4) Vinyl Chloride	2.17	62	85591	16.795	ug/l	97
5) Bromomethane	2.54	94	83453	19.454	ug/l	100
6) Chloroethane	2.68	64	78162	19.290	ug/l	100
7) Trichlorofluoromethane	2.98	101	133682	16.422	ug/l	98
8) Diethyl Ether	3.38	74	41194	16.895	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	66098	19.082	ug/l	97
10) Methyl Iodide	3.91	142	75804	16.046	ug/l	99
11) Tert butyl alcohol	4.72	59	56858	88.080	ug/l	98
12) 1,1-Dichloroethene	3.70	96	61574	17.445	ug/l	97
13) Acrolein	3.57	56	13049	65.516	ug/l	93
14) Allyl chloride	4.28	41	105688	16.860	ug/l	93
15) Acrylonitrile	4.93	53	158103	89.000	ug/l	99
16) Acetone	3.78	43	148355	99.237	ug/l	98
17) Carbon Disulfide	4.02	76	166551	15.854	ug/l	98
18) Methyl Acetate	4.28	43	77668	20.262	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	227125	17.346	ug/l	99
20) Methylene Chloride	4.51	84	76122	17.792	ug/l	88
21) trans-1,2-Dichloroethene	4.99	96	67397	17.284	ug/l	91
22) Diisopropyl ether	5.90	45	241426	17.187	ug/l	96
23) Vinyl Acetate	5.85	43	985521	87.926	ug/l	99
24) 1,1-Dichloroethane	5.80	63	139853	18.060	ug/l	98
25) 2-Butanone	6.78	43	222721	96.217	ug/l	96
26) 2,2-Dichloropropane	6.78	77	123036	17.536	ug/l	99
27) cis-1,2-Dichloroethene	6.79	96	81304	17.154	ug/l	97
28) Bromochloromethane	7.15	49	62710	15.500	ug/l	98
29) Tetrahydrofuran	7.17	42	141426	88.360	ug/l	97
30) Chloroform	7.33	83	143844	17.754	ug/l	96
31) Cyclohexane	7.61	56	118498	16.178	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	123535	17.694	ug/l	97
36) 1,1-Dichloropropene	7.75	75	105547	18.418	ug/l	98
37) Ethyl Acetate	6.88	43	95070	17.816	ug/l #	95
38) Carbon Tetrachloride	7.74	117	102091	17.567	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	114699	17.816	ug/l	98
40) Benzene	8.00	78	312041	18.530	ug/l	100
41) Methacrylonitrile	7.14	41	47681m	19.751	ug/l	
42) 1,2-Dichloroethane	8.09	62	118699	18.870	ug/l	99
43) Isopropyl Acetate	8.13	43	171351	18.335	ug/l #	91
44) Trichloroethene	8.80	130	81917	20.055	ug/l	99
45) 1,2-Dichloropropane	9.09	63	80818	18.126	ug/l	94
46) Dibromomethane	9.17	93	55634	18.829	ug/l	97
47) Bromodichloromethane	9.37	83	114505	18.080	ug/l	100
48) Methyl methacrylate	9.17	41	75863	18.007	ug/l	92
49) 1,4-Dioxane	9.17	88	25309	388.390	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	507075	99.846	ug/l	99
52) Toluene	10.13	92	197968	18.871	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	121532	17.543	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	130922	18.004	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	74793	18.617	ug/l	99
56) Ethyl methacrylate	10.40	69	107236	17.539	ug/l	97
57) 1,3-Dichloropropane	10.68	76	135650	18.953	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.67	63	261059	82.456	ug/l	100
59) 2-Hexanone	10.72	43	361990	101.422	ug/l	98
60) Dibromochloromethane	10.87	129	80085	18.031	ug/l	99
61) 1,2-Dibromoethane	10.98	107	79075	18.934	ug/l	100
64) Tetrachloroethene	10.60	164	81515	20.387	ug/l	95
65) Chlorobenzene	11.41	112	209179	18.653	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	74574	17.911	ug/l	98
67) Ethyl Benzene	11.49	91	377409	18.448	ug/l	98
68) m/p-Xylenes	11.60	106	283646	37.434	ug/l	99
69) o-Xylene	11.92	106	135871	18.562	ug/l	98
70) Styrene	11.94	104	225569	17.931	ug/l	99
71) Bromoform	12.10	173	47948	16.969	ug/l #	99
73) Isopropylbenzene	12.23	105	362079	19.201	ug/l	99
74) N-amyl acetate	12.05	43	140400	17.974	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	103977	19.125	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	90531m	18.740	ug/l	
77) Bromobenzene	12.50	156	81167	19.032	ug/l	97
78) n-propylbenzene	12.57	91	419516	19.225	ug/l	100
79) 2-Chlorotoluene	12.65	91	243938	18.664	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	297603	18.960	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	32550	16.286	ug/l	94
82) 4-Chlorotoluene	12.75	91	247163	18.234	ug/l	100
83) tert-Butylbenzene	12.97	119	251058	18.650	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	300801	19.012	ug/l	100
85) sec-Butylbenzene	13.15	105	340576	19.412	ug/l	99
86) p-Isopropyltoluene	13.26	119	302847	19.443	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	152809	19.504	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	148340	18.285	ug/l	97
89) n-Butylbenzene	13.59	91	268440	18.655	ug/l	99
90) Hexachloroethane	13.85	117	47915	16.618	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	150855	19.842	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	21209	17.744	ug/l	96

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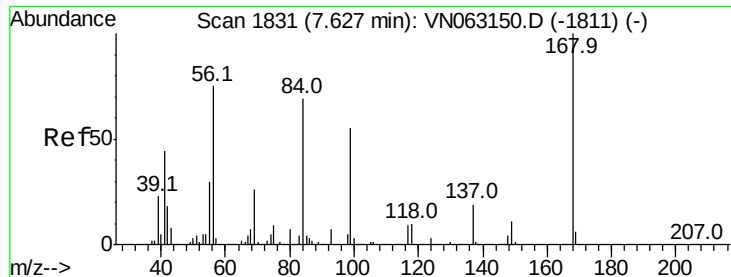
Manual Integrations
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9/8/2020 5:34:34 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 04:21:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	78937	18.584	ug/l	96
94) Hexachlorobutadiene	14.98	225	29536	18.614	ug/l	99
95) Naphthalene	15.11	128	248205	17.514	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	75641	18.278	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

Tot Ion:168 Resp: 321702

Ion Ratio Lower Upper

168 100

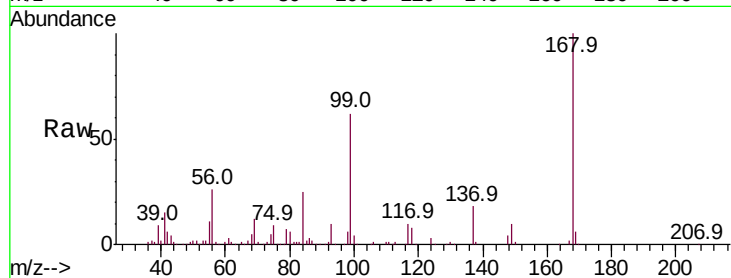
99 61.9 54.2 81.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

150000

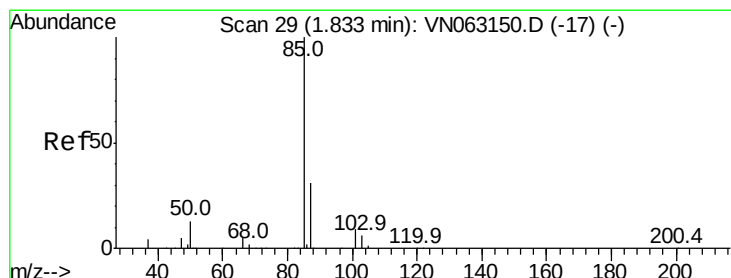
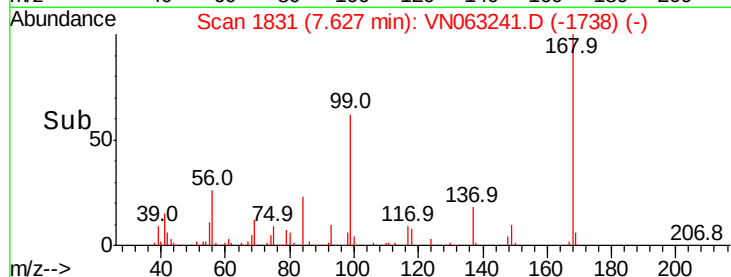
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 16.711 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063241.D

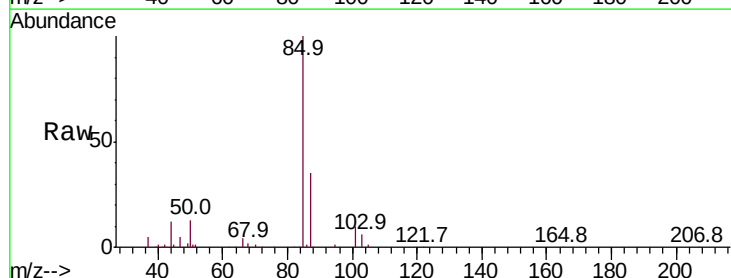
Acq: 4 Sep 2020 12:37

Tgt Ion: 85 Resp: 52944

Ion Ratio Lower Upper

85 100

87 34.8 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

40000

30000

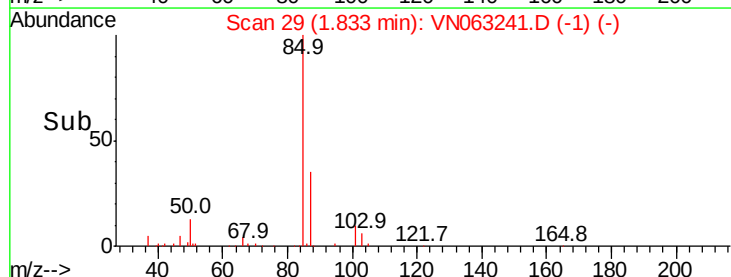
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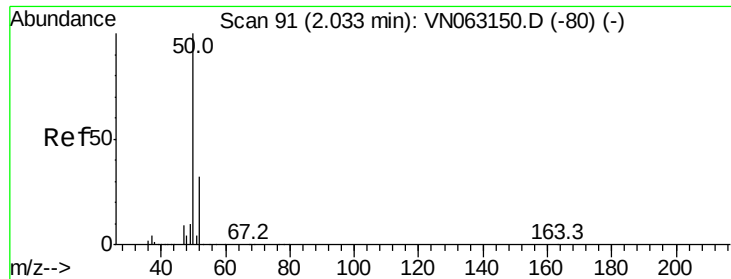
10000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 16.822 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Tot Ion: 50 Resp: 77606

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6

Instrument :

MSVOA_N

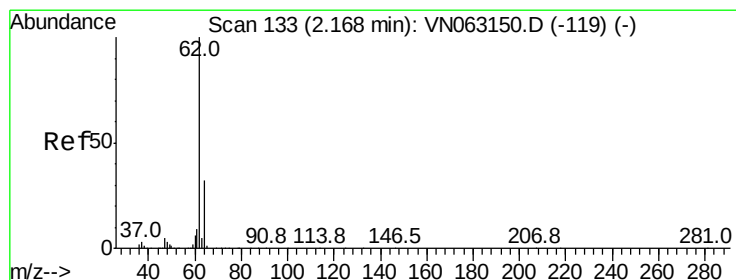
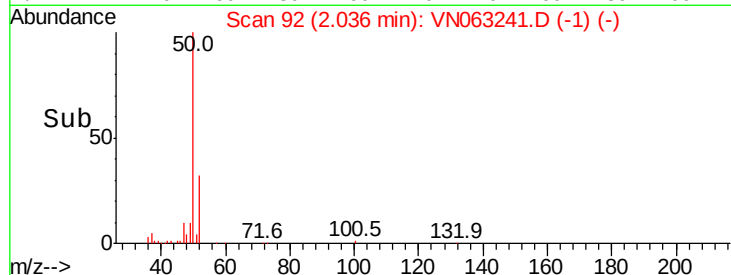
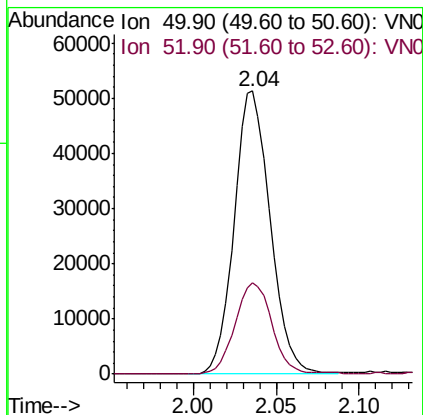
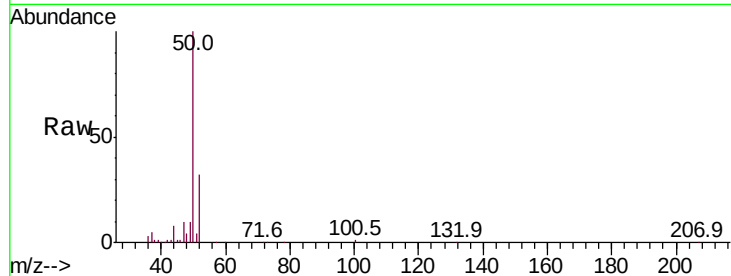
ClientSampleId :

VN0904MBS01

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#4

Vinyl Chloride

Concen: 16.795 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063241.D

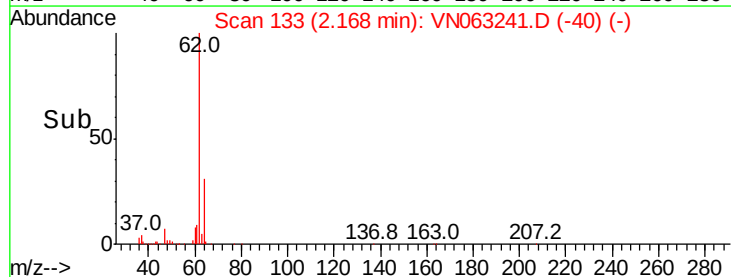
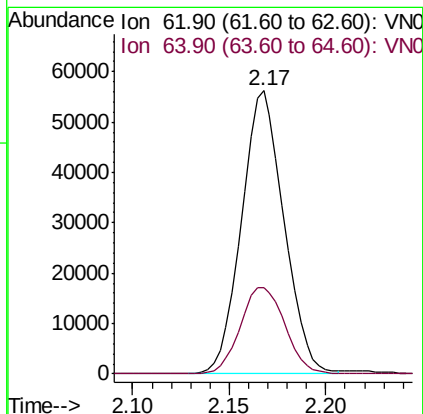
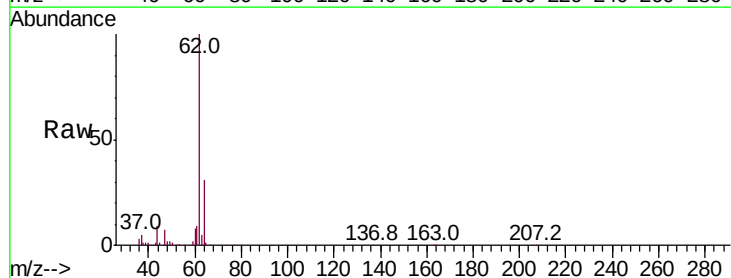
Acq: 4 Sep 2020 12:37

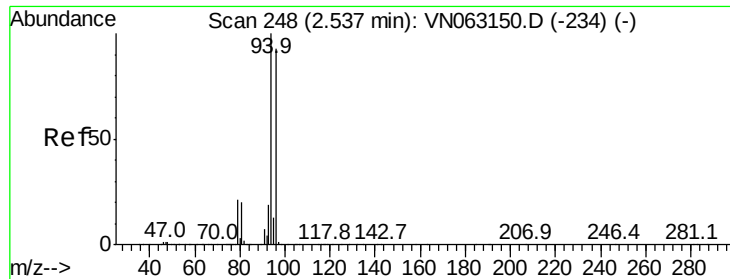
Tgt Ion: 62 Resp: 85591

Ion Ratio Lower Upper

62 100

64 30.6 25.8 38.8





#5

Bromomethane

Concen: 19.454 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

Tot Ion: 94 Resp: 83453

Ion Ratio Lower Upper

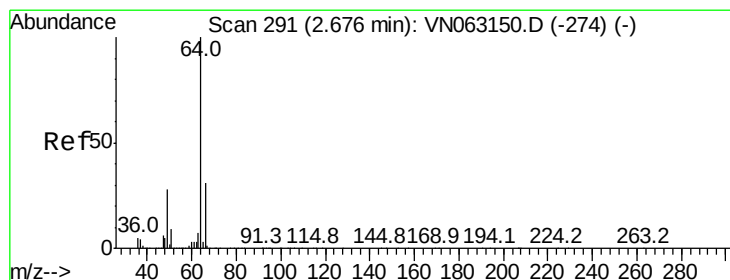
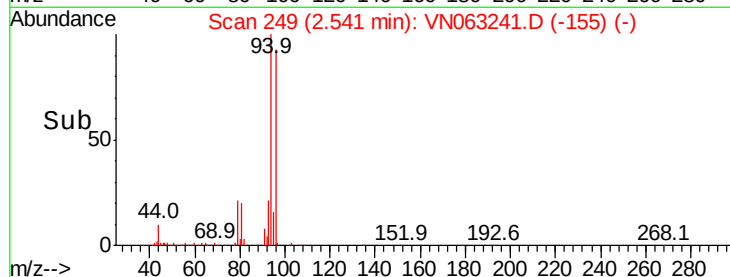
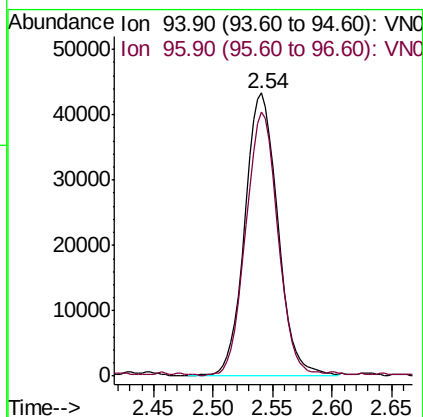
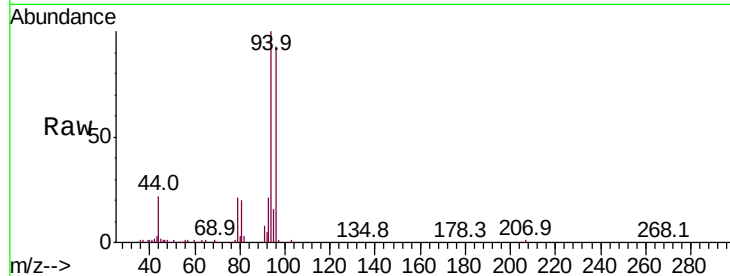
94 100

96 93.1 74.4 111.6

Manual Integrations
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#6

Chloroethane

Concen: 19.290 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063241.D

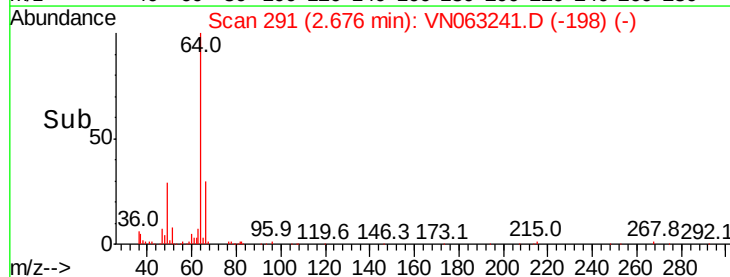
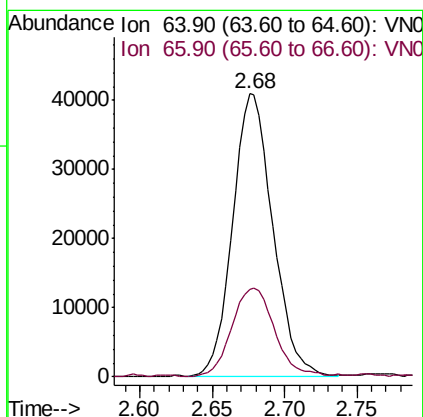
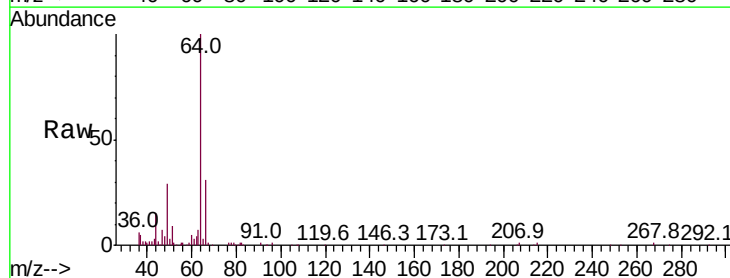
Acq: 4 Sep 2020 12:37

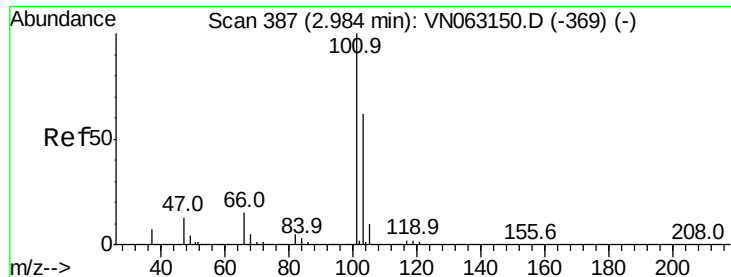
Tgt Ion: 64 Resp: 78162

Ion Ratio Lower Upper

64 100

66 30.9 24.7 37.1





#7

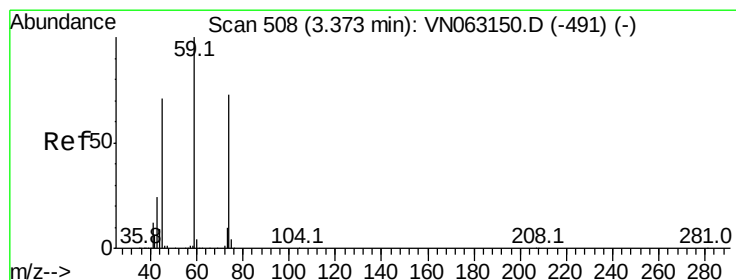
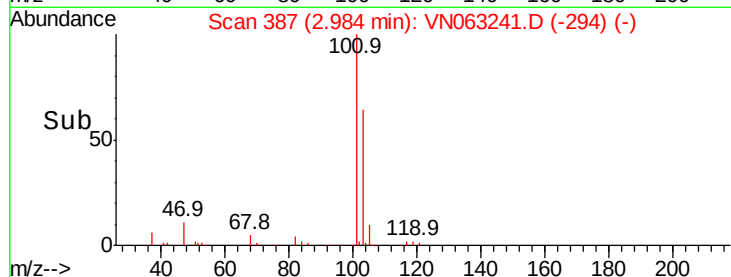
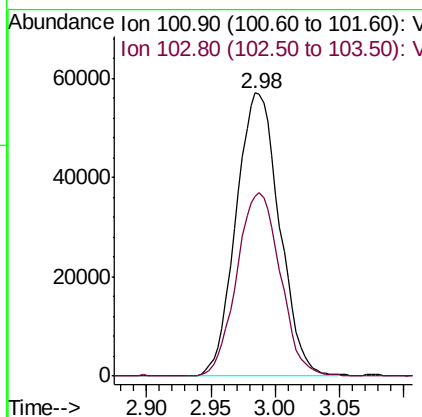
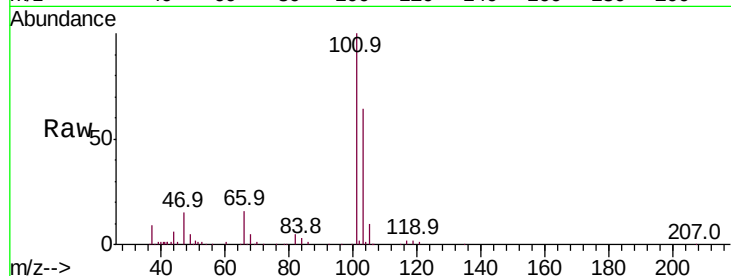
Trichlorofluoromethane
 Concen: 16.422 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Instrument :
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 ClientSampleId :
 VN0904MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	49.7	74.5

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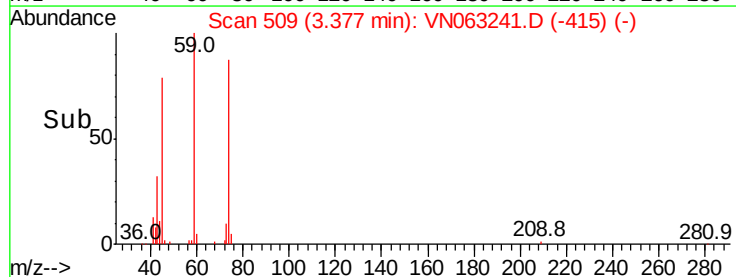
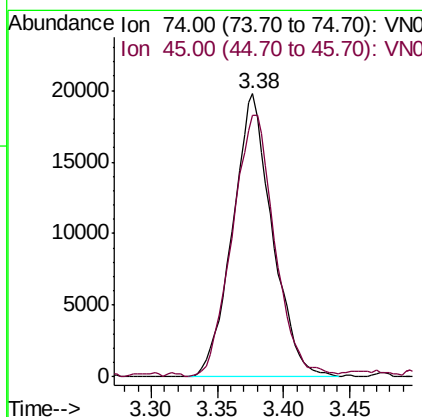
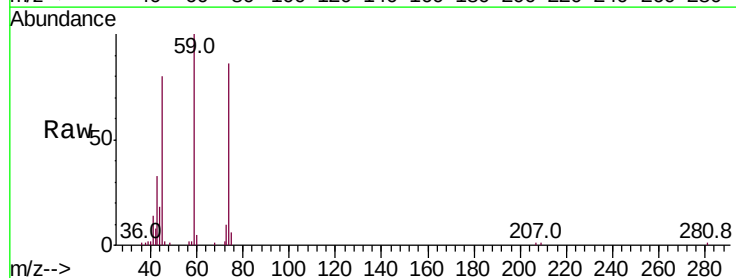
MMDadoda
 9/8/2020 5:34:34 PM

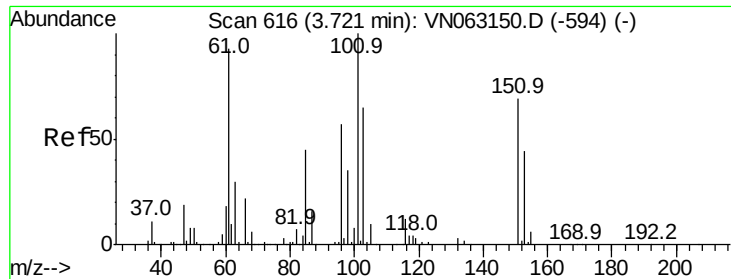


#8

Diethyl Ether
 Concen: 16.895 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.082 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

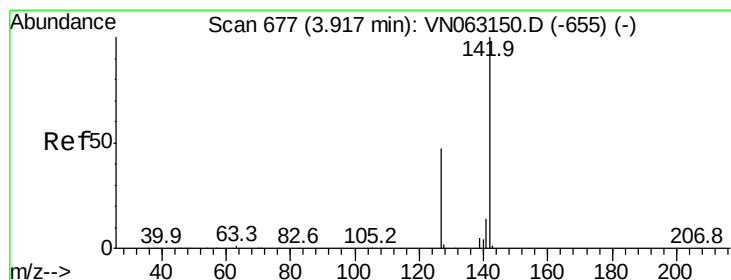
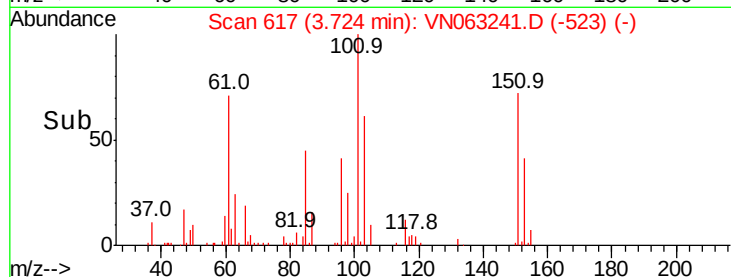
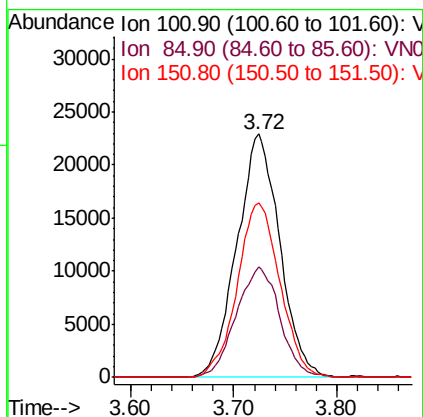
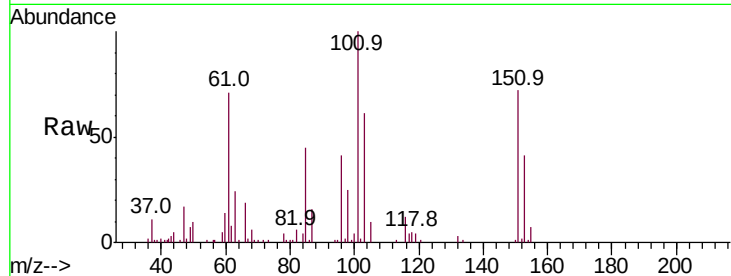
ClientSampleId :

VN0904MBS01

Tot Ion:	101	Resp:	66098
Ion Ratio	Lower	Upper	
101	100		
85	46.3	37.8	56.8
151	71.4	55.0	82.4

Manual Integrations
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#10

Methyl Iodide

Concen: 16.046 ug/l

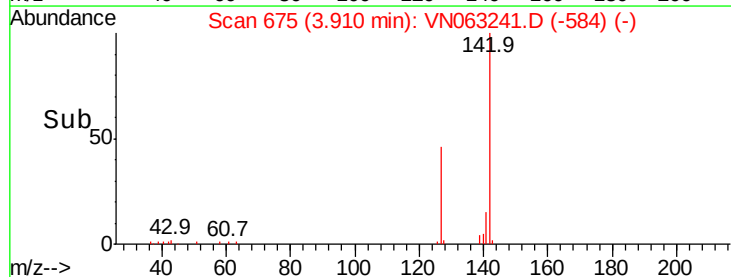
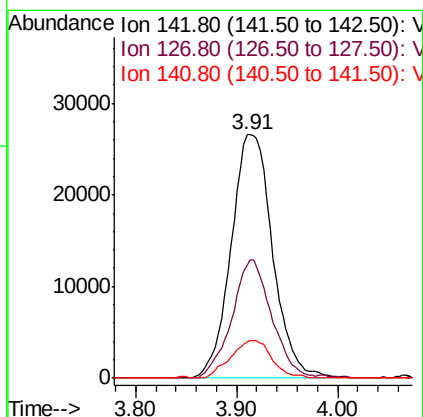
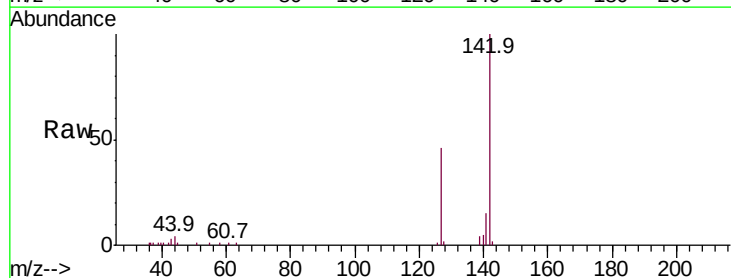
RT: 3.91 min Scan# 675

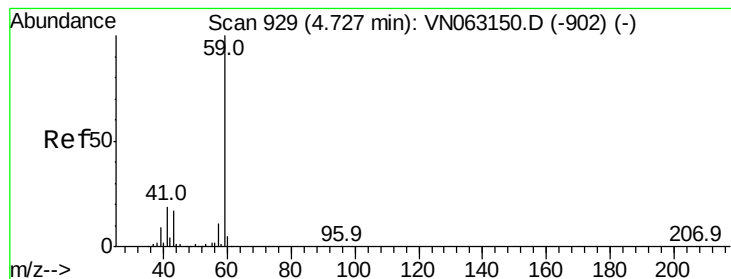
Delta R.T. -0.01 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Tgt Ion:	142	Resp:	75804
Ion Ratio	Lower	Upper	
142	100		
127	46.3	37.6	56.4
141	15.3	11.3	16.9





#11

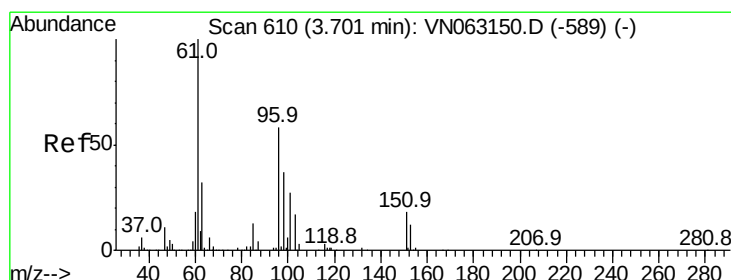
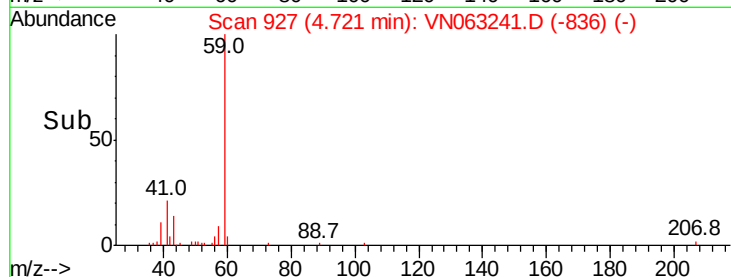
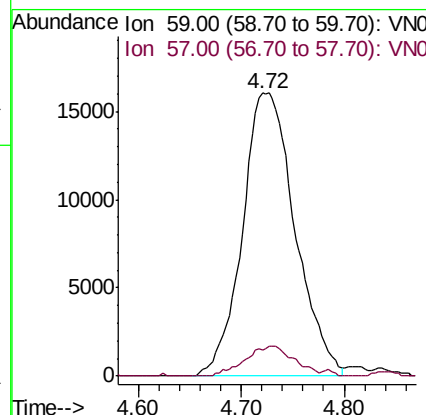
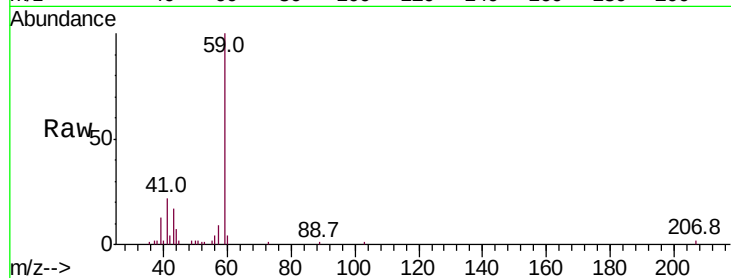
Tert butyl alcohol
Concen: 88.080 ug/l
RT: 4.72 min Scan# 927
Delta R.T. -0.01 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	56858		
57	9.8		8.4	12.6

Manual Integrations
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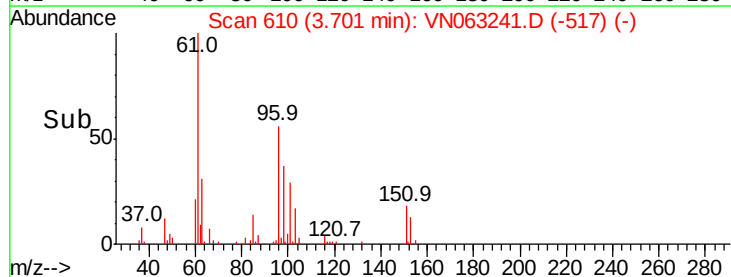
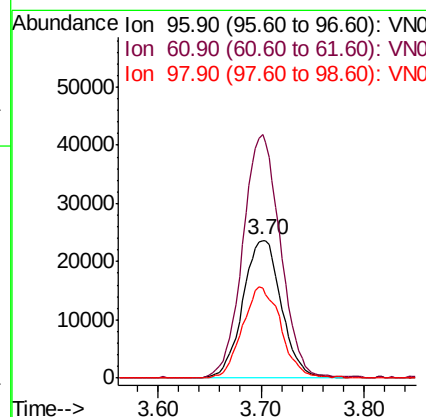
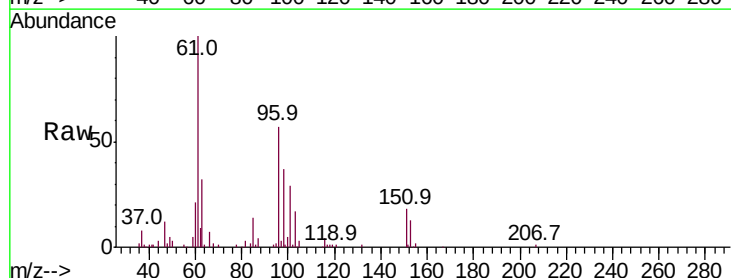
MMDadoda
9/8/2020 5:34:34 PM

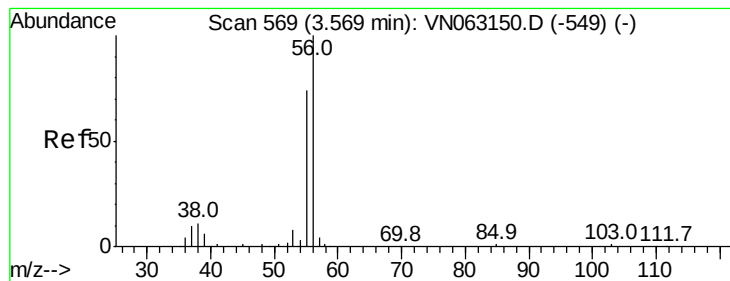


#12

1,1-Dichloroethene
Concen: 17.445 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	61574		
61	176.4		137.4	206.2
98	65.0		50.5	75.7





#13

Acrolein

Concen: 65.516 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

Tot Ion: 56 Resp: 13049

Ion Ratio Lower Upper

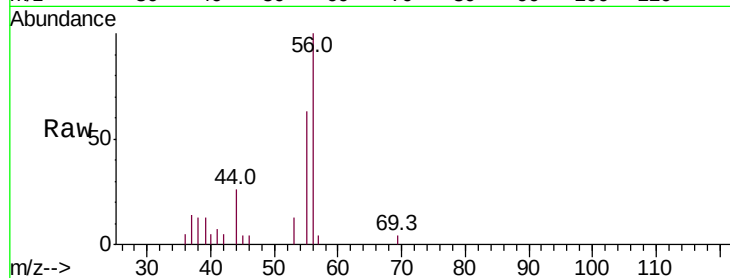
56 100

55 63.6 55.4 83.0

Manual Integrations
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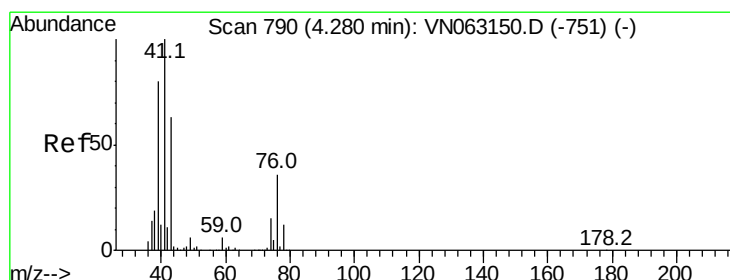
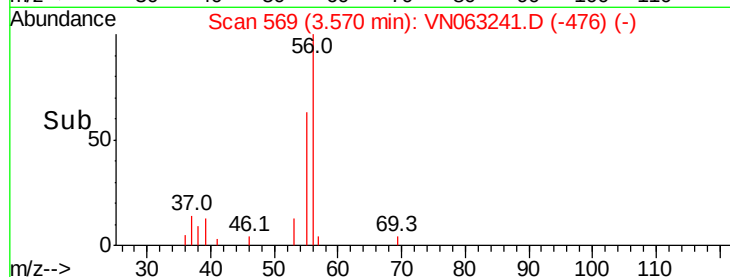
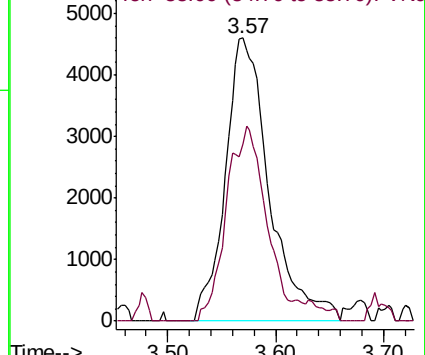
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.860 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

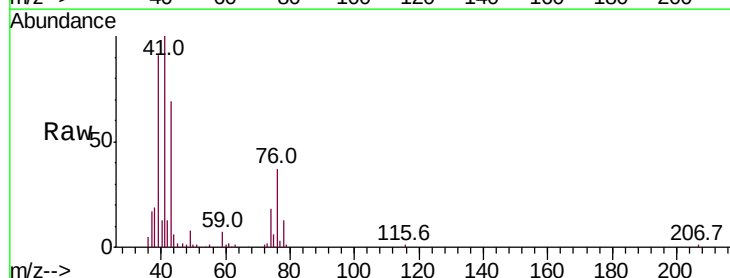
Tgt Ion: 41 Resp: 105688

Ion Ratio Lower Upper

41 100

39 82.0 60.2 90.2

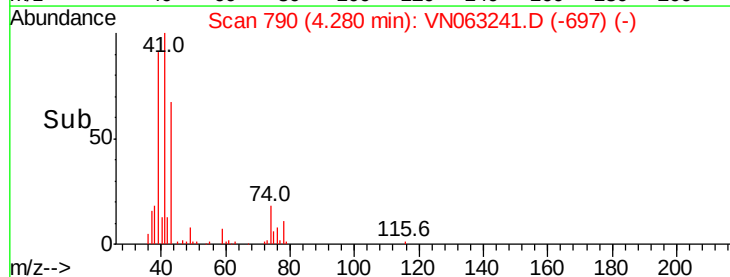
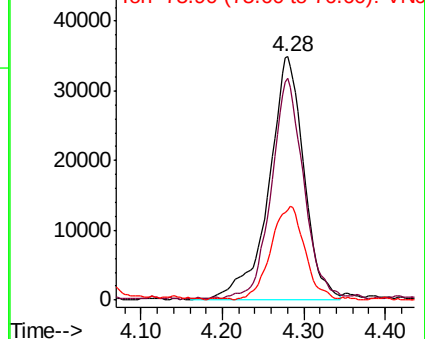
76 37.2 27.7 41.5

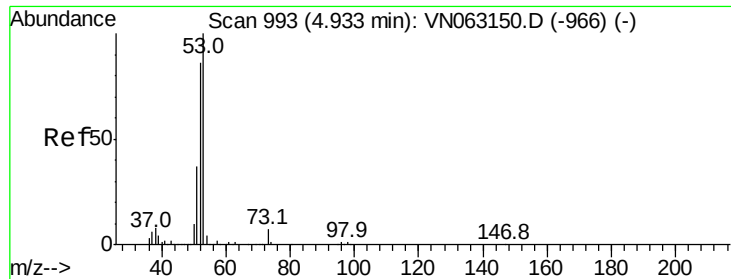


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





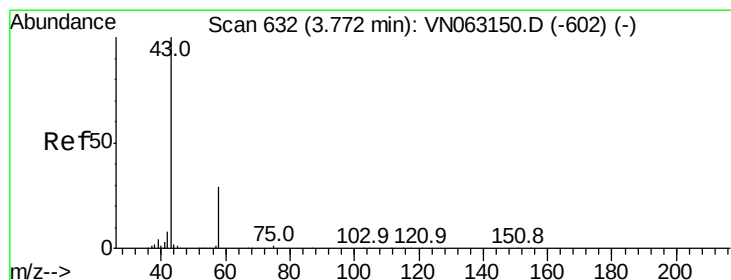
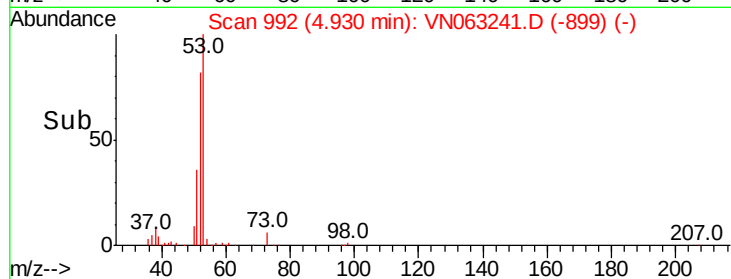
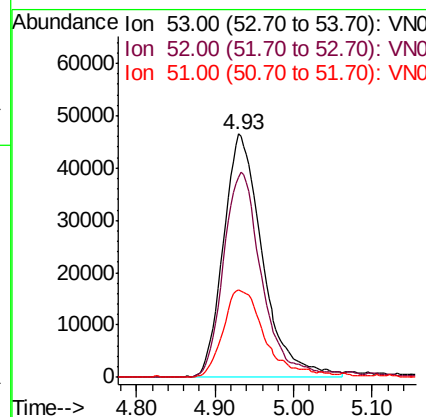
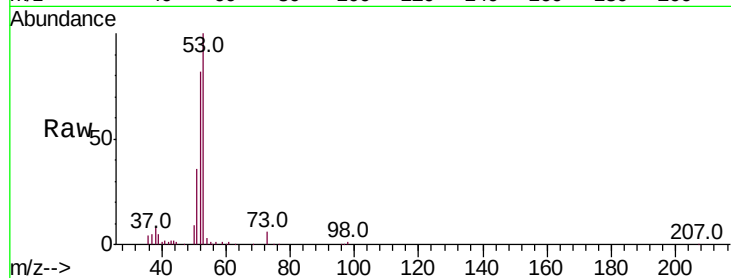
#15
 Acrylonitrile
 Concen: 89.000 ug/l
 RT: 4.93 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.2	67.2	100.8
51	39.1	30.2	45.4

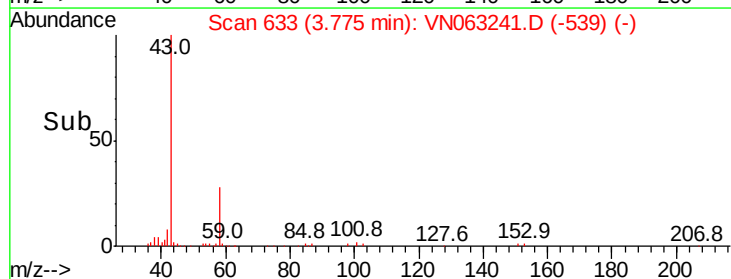
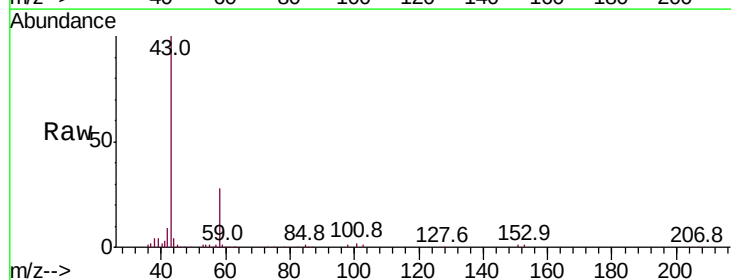
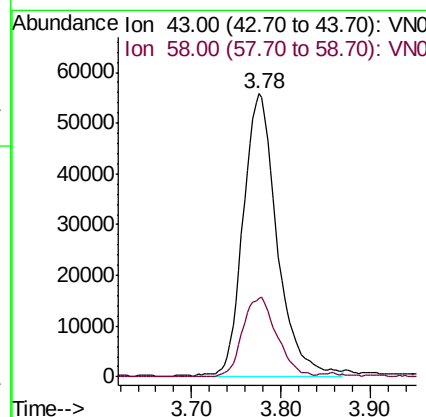
Manual Integrations
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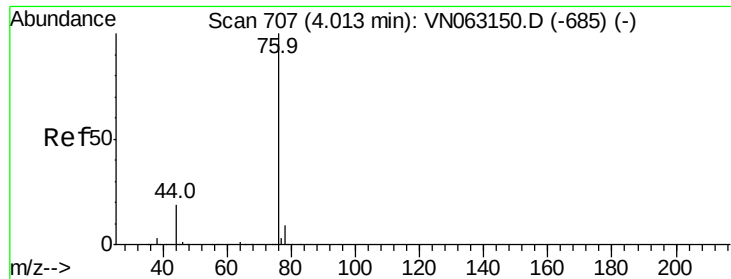
MMDadoda
 9/8/2020 5:34:34 PM



#16
 Acetone
 Concen: 99.237 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.7	23.1	34.7





#17

Carbon Disulfide

Concen: 15.854 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

Tot Ion: 76 Resp: 166551

Ion Ratio Lower Upper

76 100

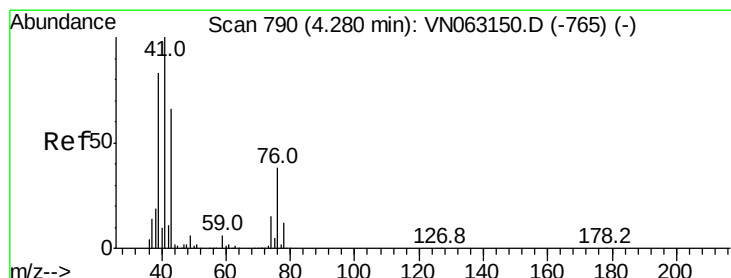
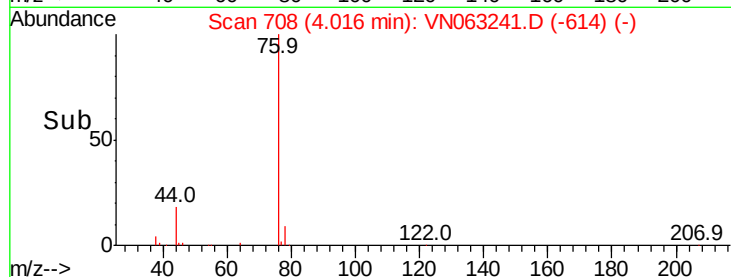
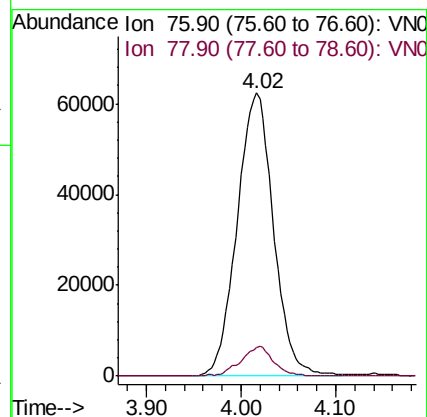
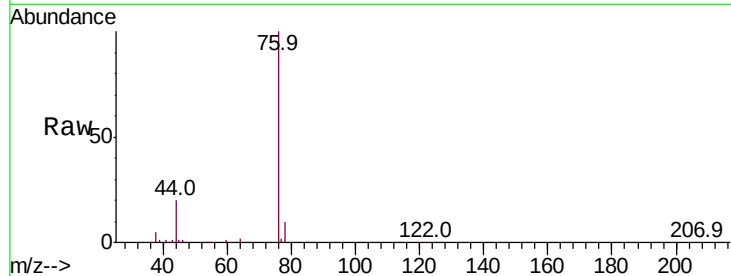
78 10.0 7.5 11.3

Manual Integrations

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#18

Methyl Acetate

Concen: 20.262 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN063241.D

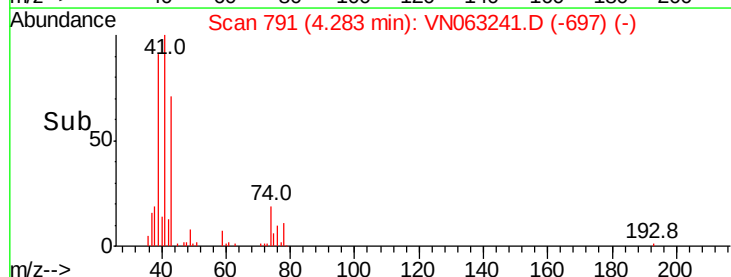
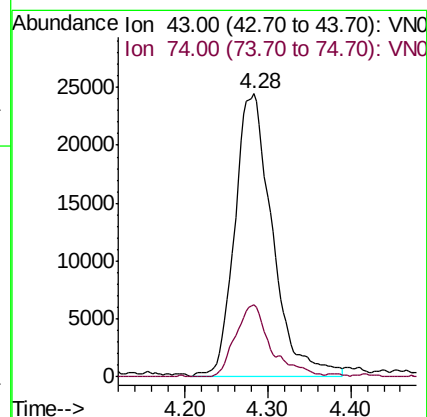
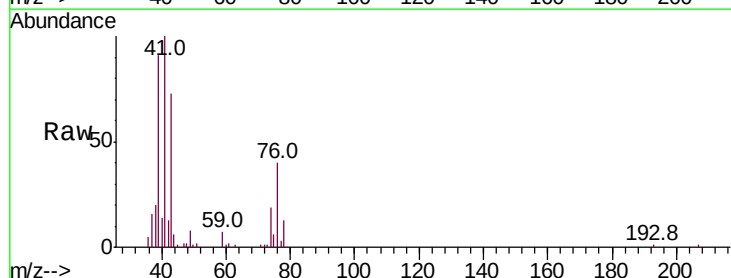
Acq: 4 Sep 2020 12:37

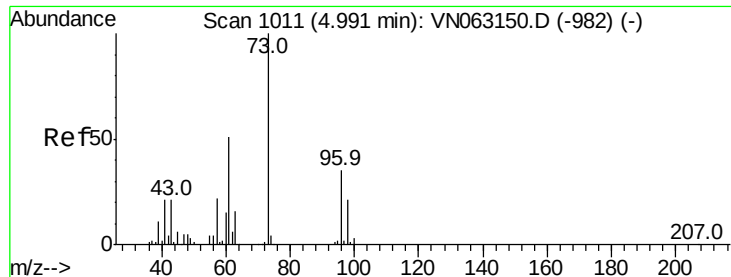
Tgt Ion: 43 Resp: 77668

Ion Ratio Lower Upper

43 100

74 23.9 19.0 28.6





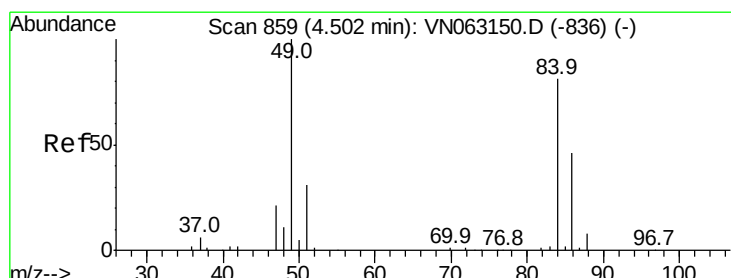
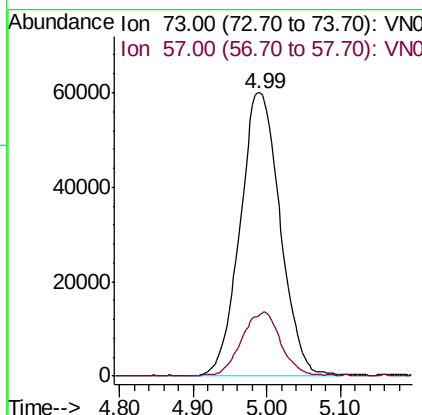
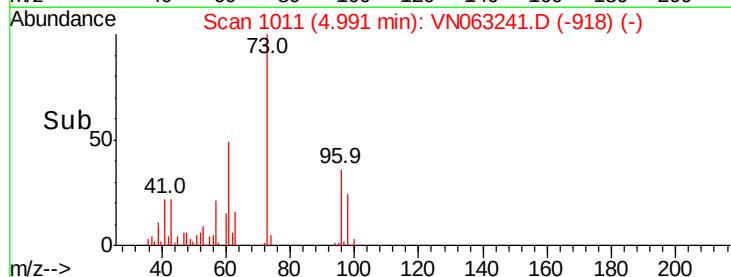
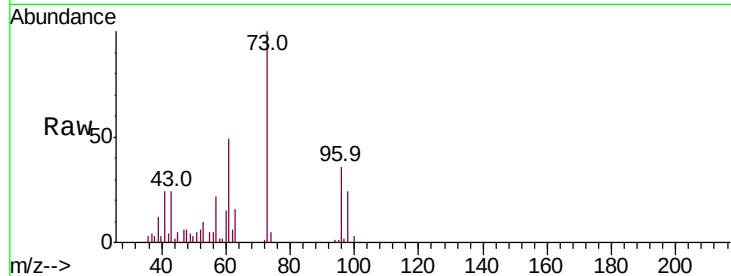
#19
Methyl tert-butyl Ether
Concen: 17.346 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion: 73 Resp: 227125
Ion Ratio Lower Upper
73 100
57 21.7 17.6 26.4

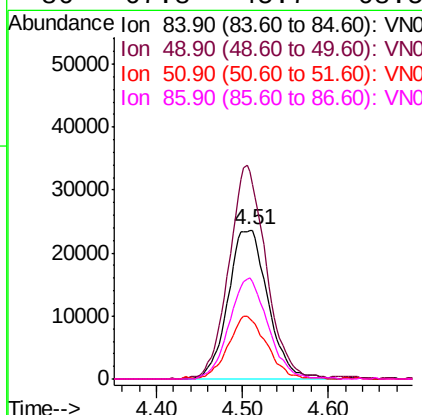
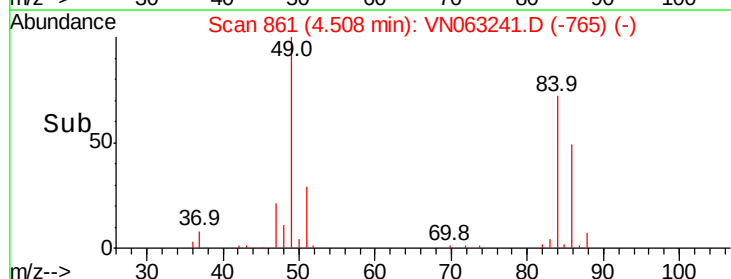
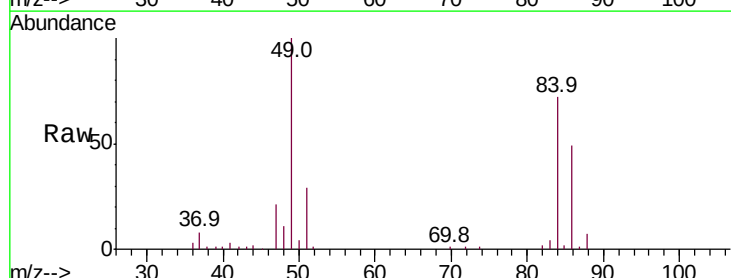
Manual Integrations
APPROVED

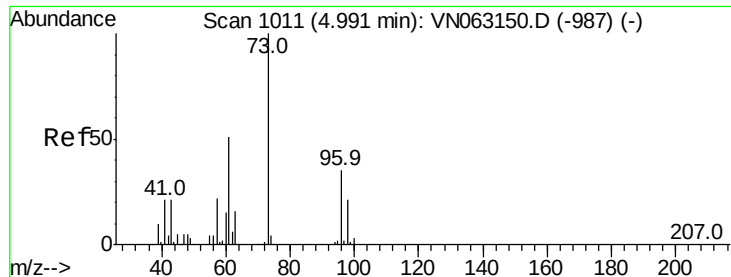
MMDadoda
9/8/2020 5:34:34 PM



#20
Methylene Chloride
Concen: 17.792 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion: 84 Resp: 76122
Ion Ratio Lower Upper
84 100
49 138.3 98.4 147.6
51 40.0 30.4 45.6
86 67.8 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 17.284 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

Tot Ion: 96 Resp: 67397

Ion Ratio Lower Upper

96 100

61 134.9 116.2 174.4

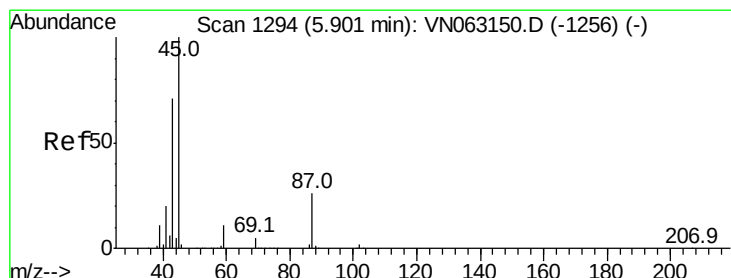
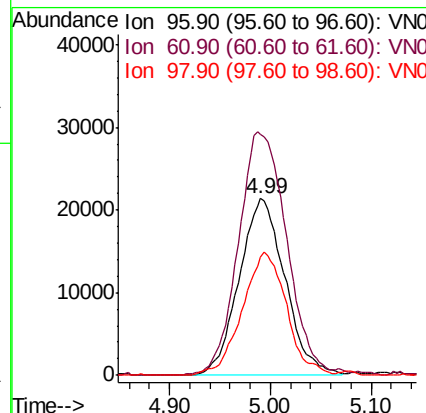
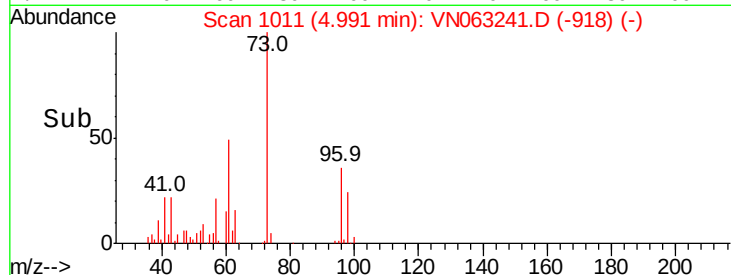
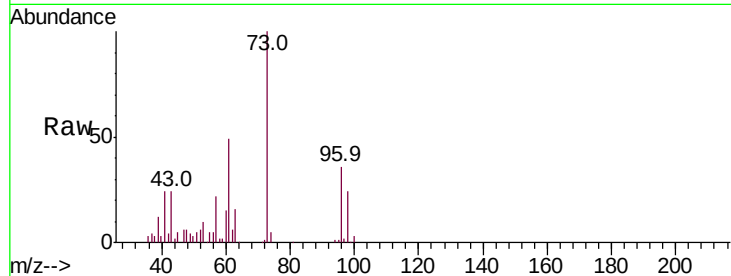
98 66.7 48.0 72.0

Manual Integrations

APPROVED

MMDadoda

9/8/2020 5:34:34 PM



#22

Diisopropyl ether

Concen: 17.187 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Tgt Ion: 45 Resp: 241426

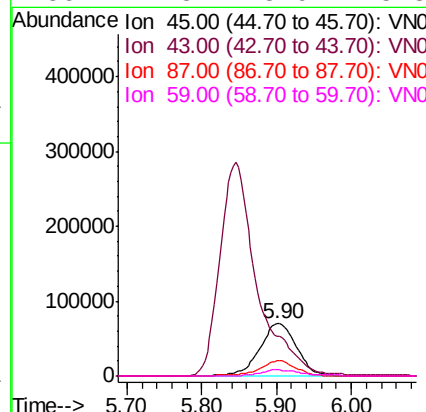
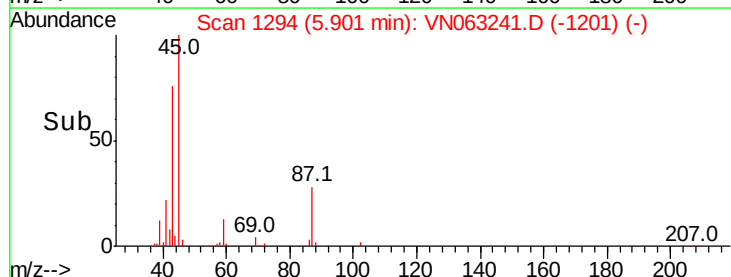
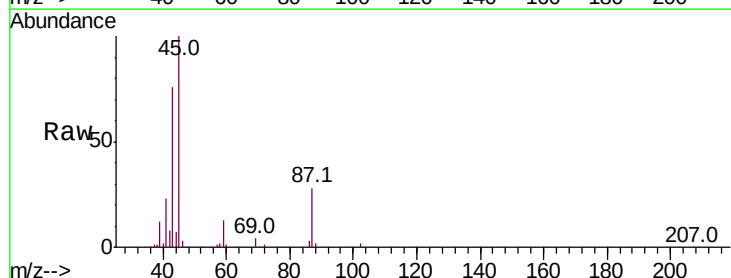
Ion Ratio Lower Upper

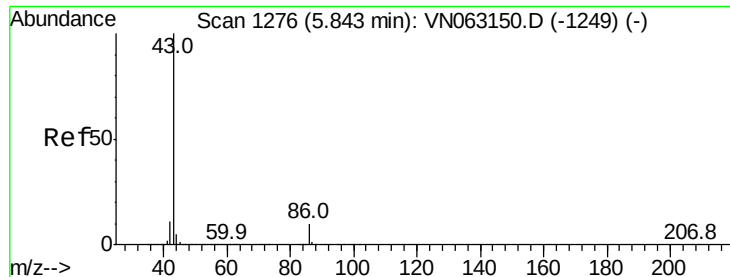
45 100

43 74.2 56.8 85.2

87 28.3 21.1 31.7

59 12.8 8.9 13.3





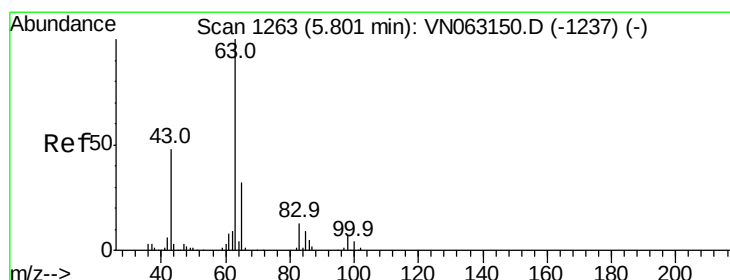
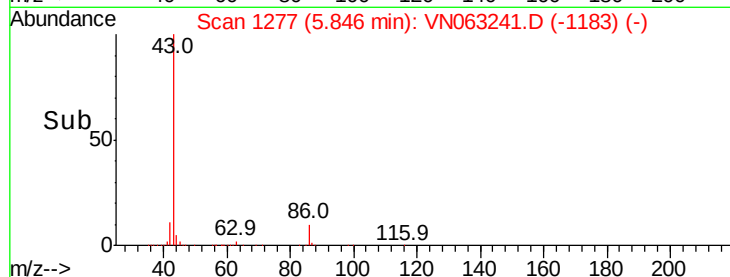
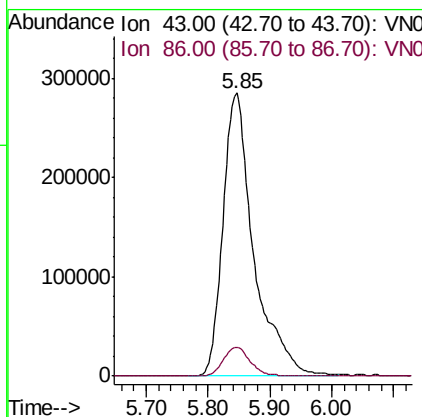
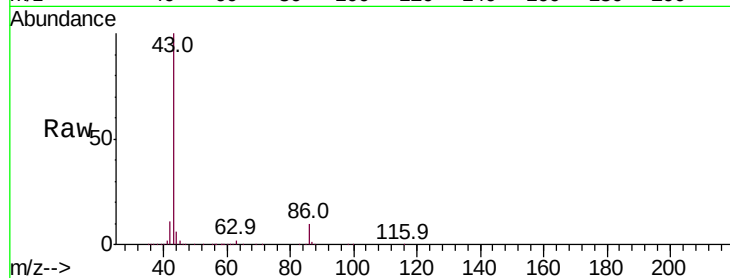
#23
 Vinyl Acetate
 Concen: 87.926 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.3	12.5

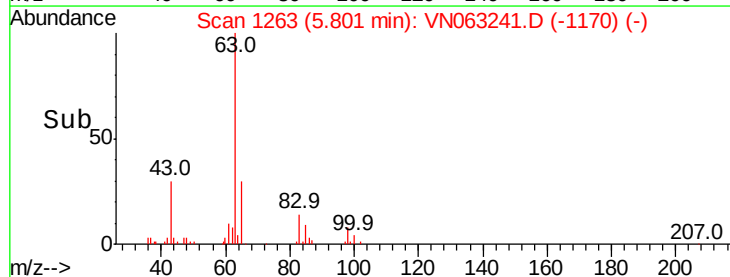
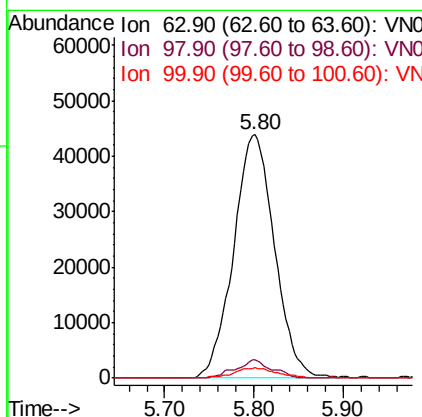
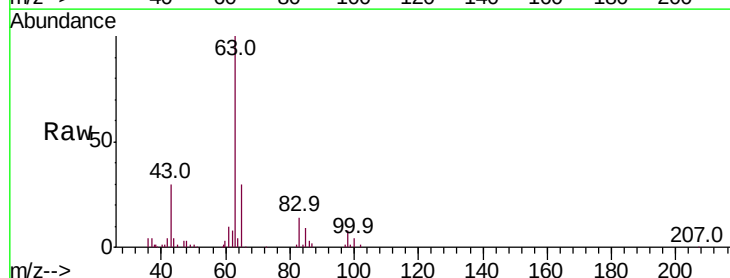
Manual Integrations
 APPROVED

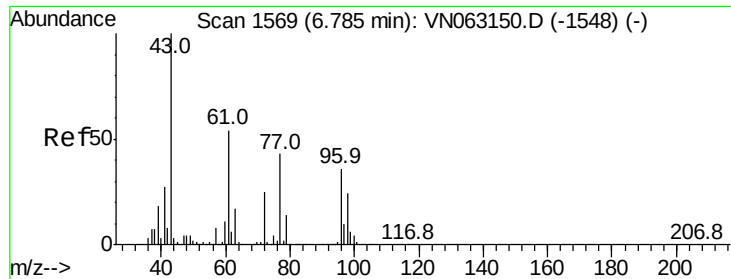
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 18.060 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.4	10.1
100	4.2	2.3	6.8





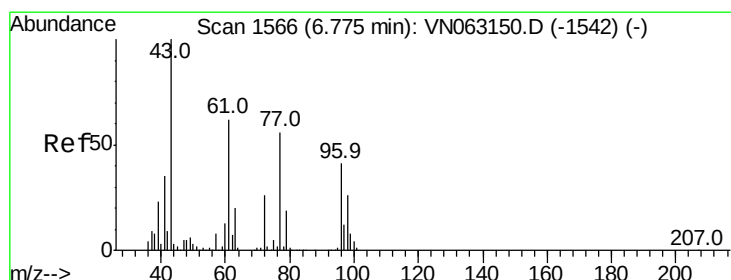
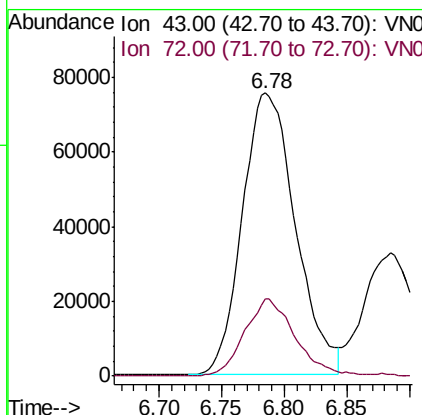
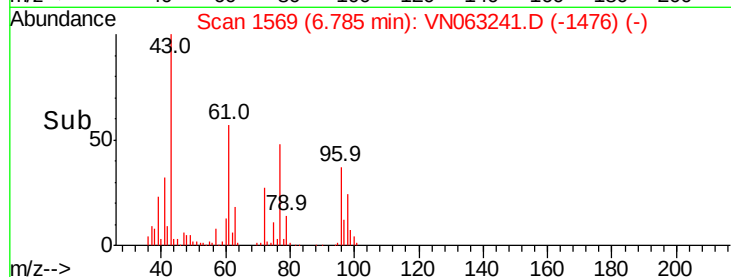
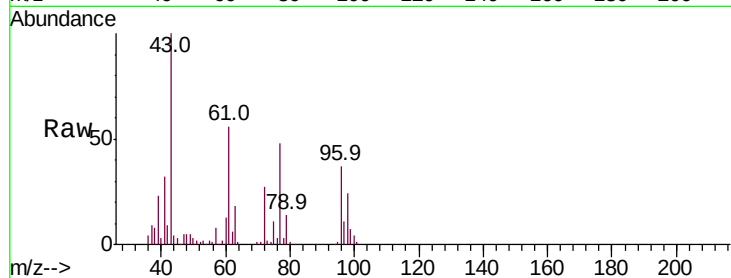
#25
2-Butanone
Concen: 96.217 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion: 43 Resp: 222721
Ion Ratio Lower Upper
43 100
72 27.3 20.2 30.4

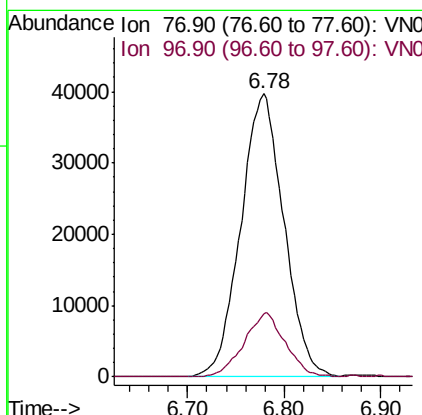
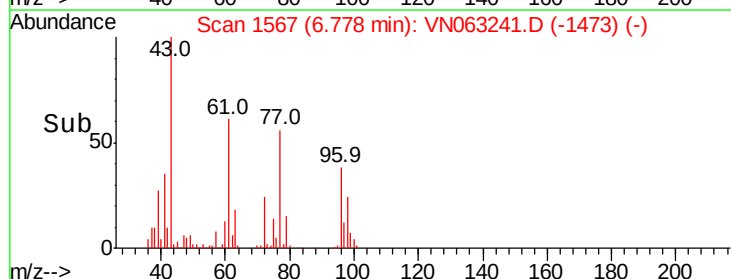
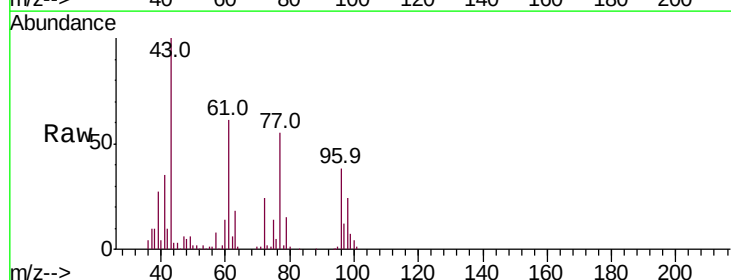
Manual Integrations
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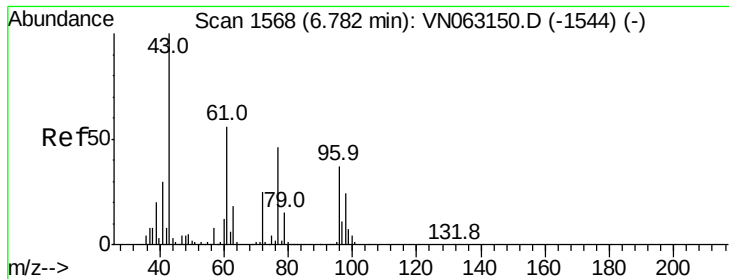
MMDadoda
9/8/2020 5:34:34 PM



#26
2,2-Dichloropropane
Concen: 17.536 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion: 77 Resp: 123036
Ion Ratio Lower Upper
77 100
97 21.6 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 17.154 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

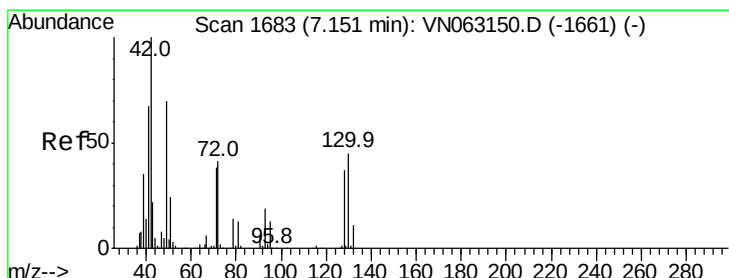
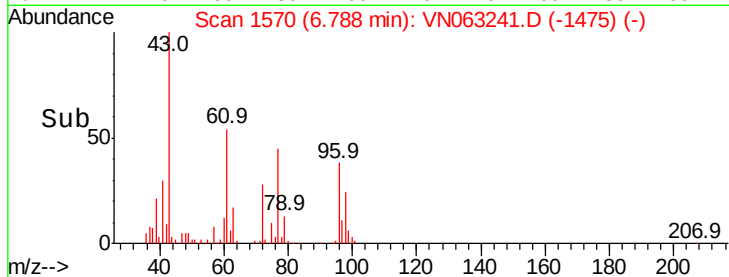
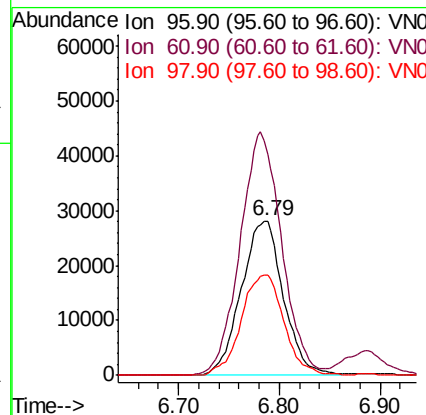
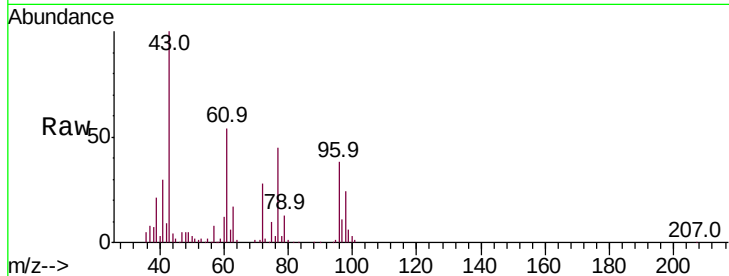
ClientSampleId :

VN0904MBS01

Tot Ion:	96	Resp:	81304
Ion	Ratio	Lower	Upper
96	100		
61	156.0	0.0	303.2
98	65.7	0.0	129.0

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#28

Bromochloromethane

Concen: 15.500 ug/l

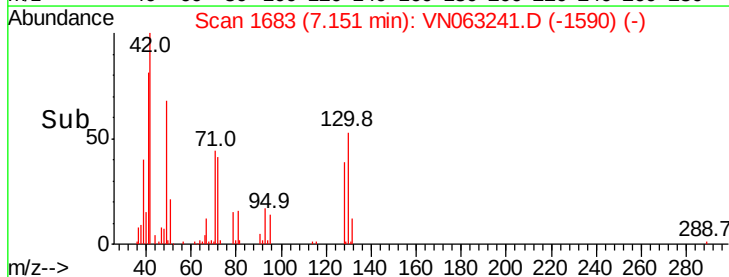
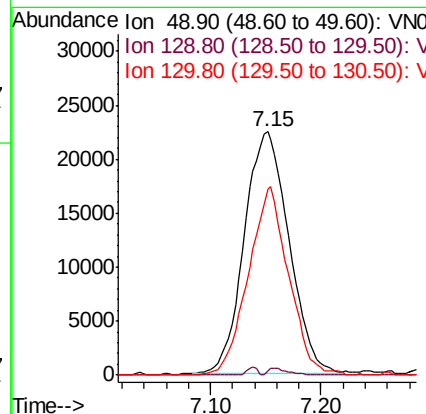
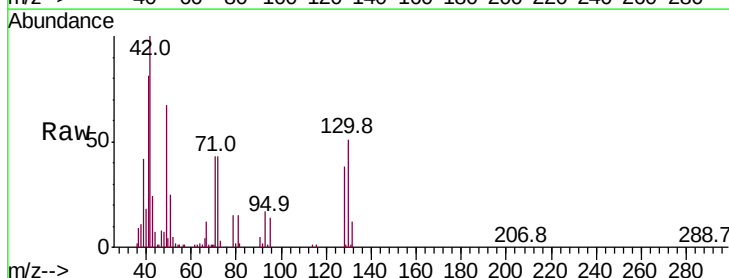
RT: 7.15 min Scan# 1683

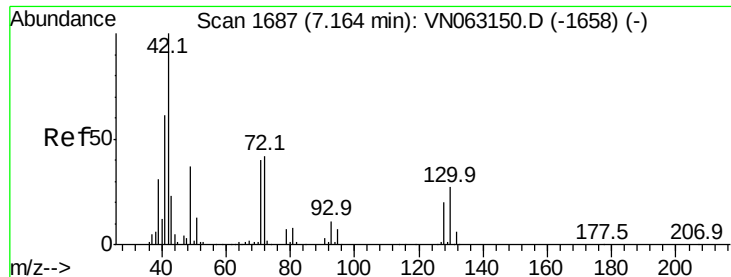
Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Tgt Ion:	49	Resp:	62710
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.0
130	69.8	54.4	81.6





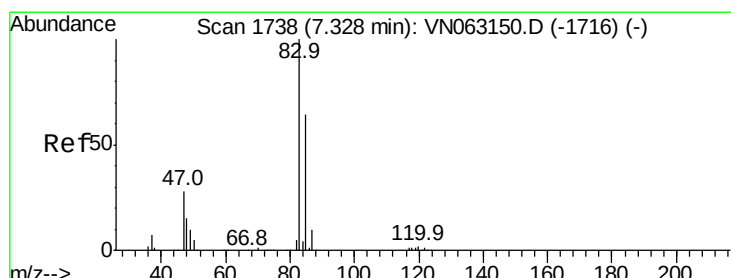
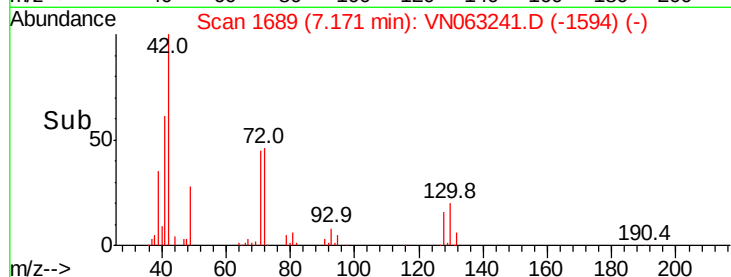
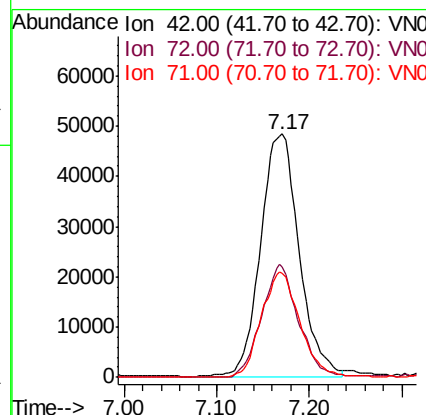
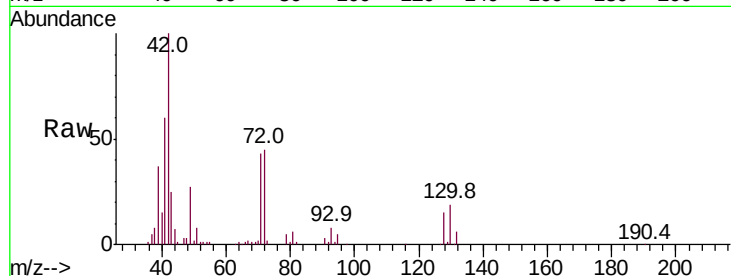
#29
Tetrahydrofuran
Concen: 88.360 ug/l
RT: 7.17 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	33.9	50.9
71	42.8	31.9	47.9

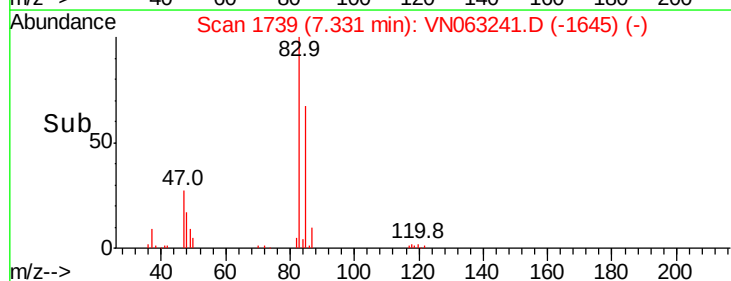
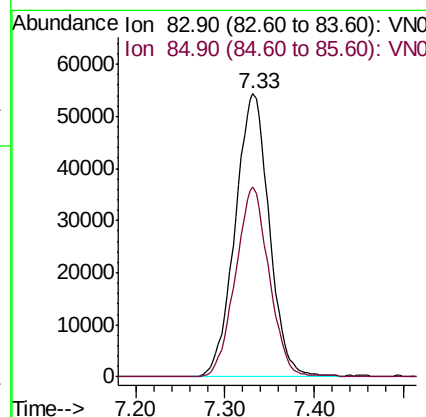
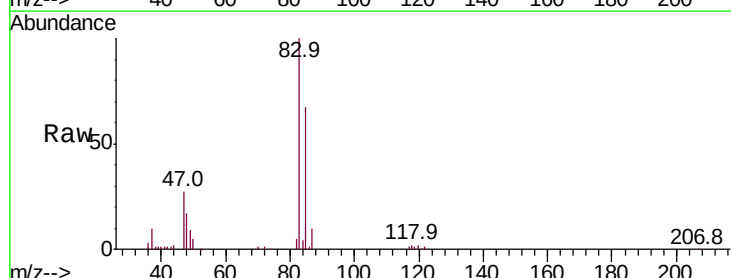
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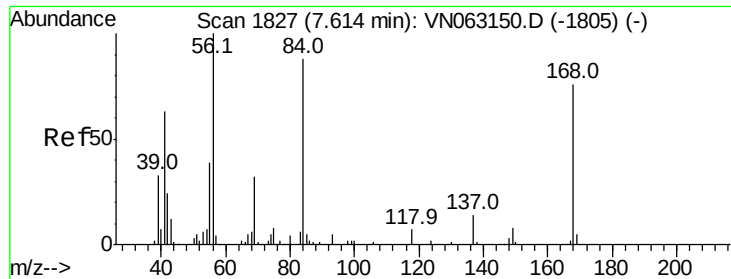
MMDadoda
9/8/2020 5:34:34 PM



#30
Chloroform
Concen: 17.754 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.0	76.6





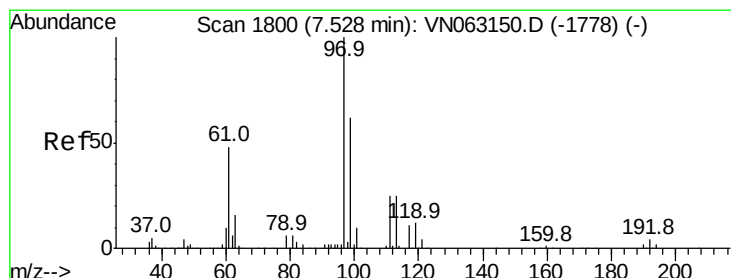
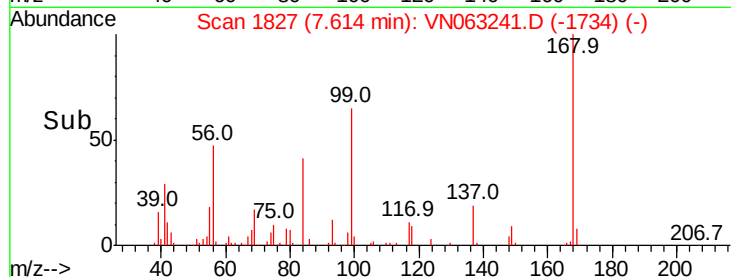
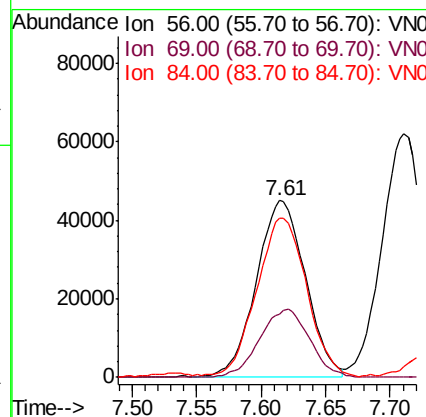
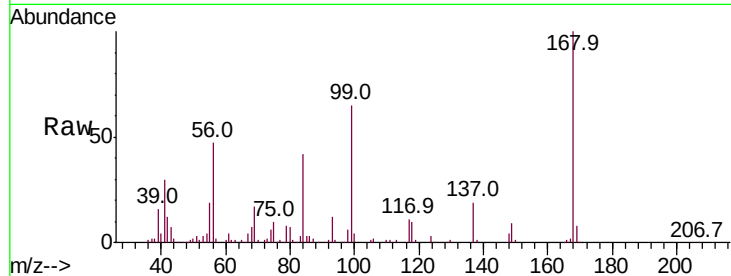
#31
Cyclohexane
Concen: 16.178 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.2	25.4	38.0
84	89.2	70.2	105.4

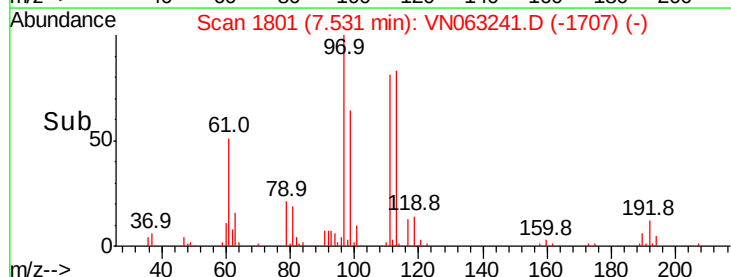
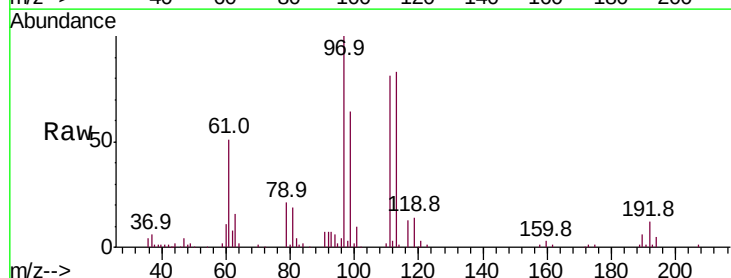
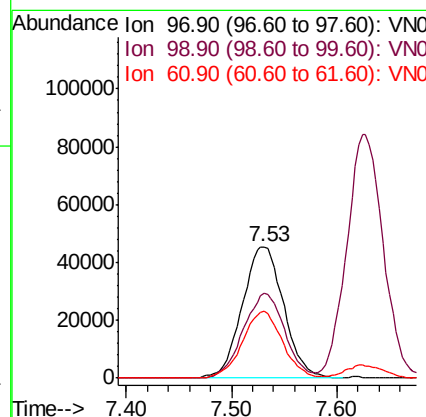
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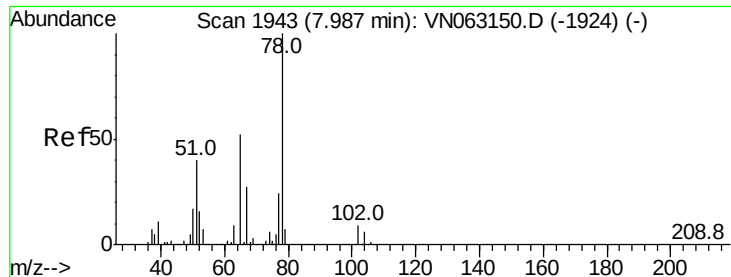
MMDadoda
9/8/2020 5:34:34 PM



#32
1,1,1-Trichloroethane
Concen: 17.694 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.8	76.2
61	49.3	37.4	56.2





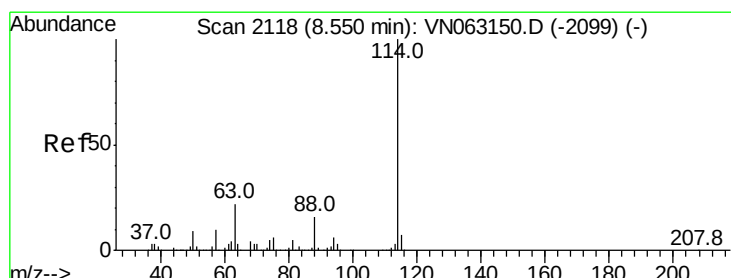
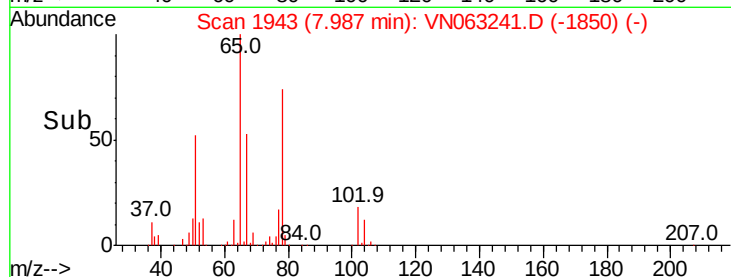
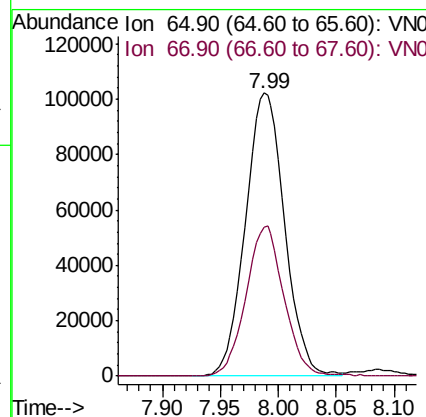
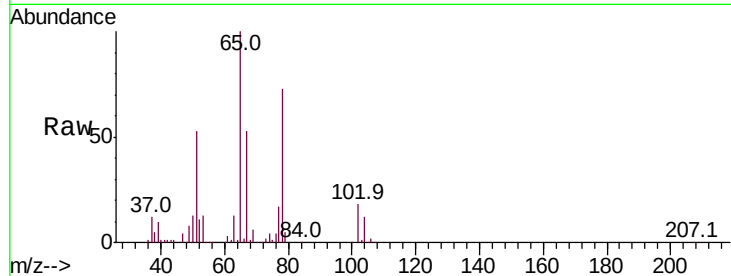
#33
 1,2-Dichloroethane-d4
 Concen: 45.760 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.4	0.0	104.4	

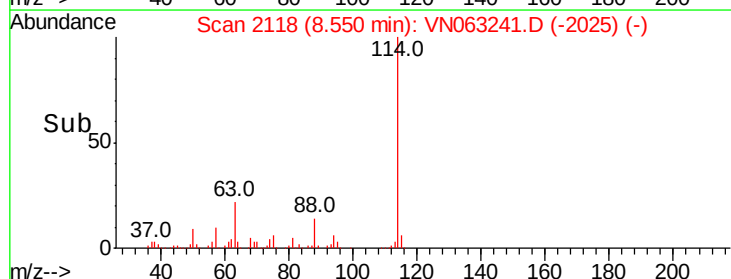
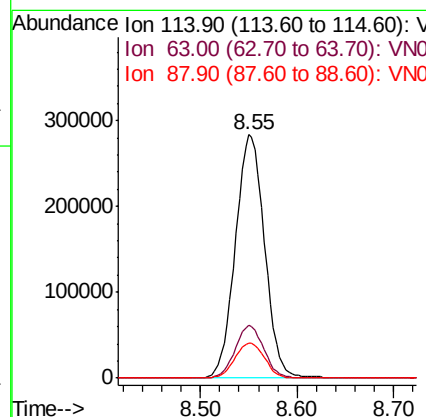
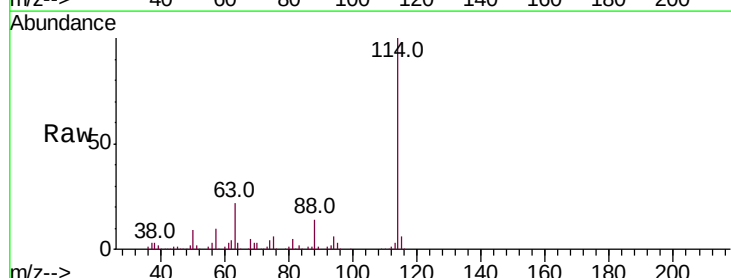
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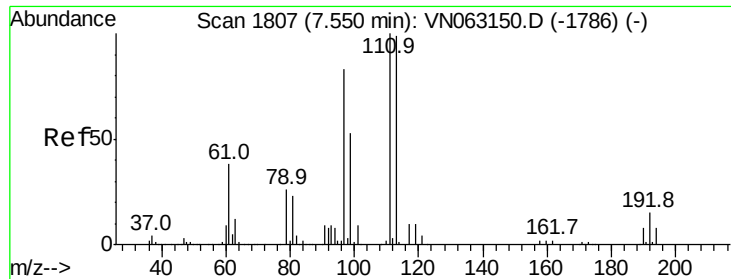
MMDadoda
 9/8/2020 5:34:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.6	0.0	43.0	
88	14.2	0.0	31.6	





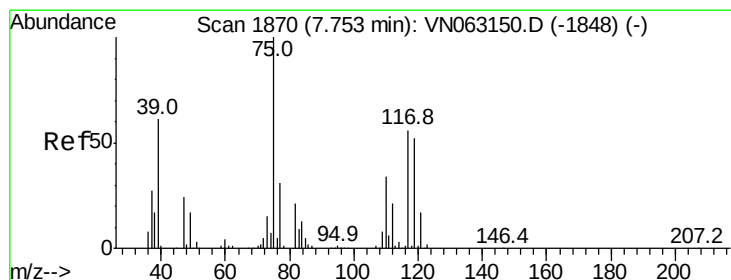
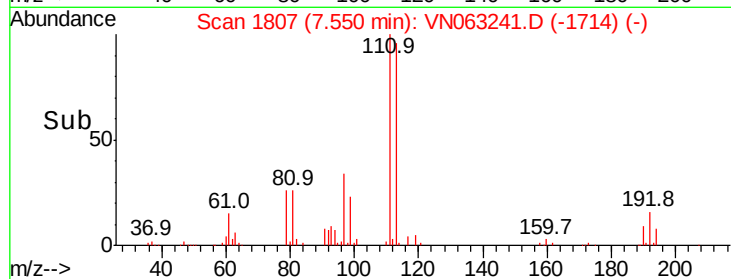
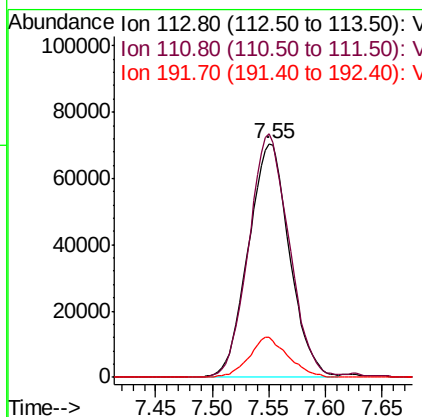
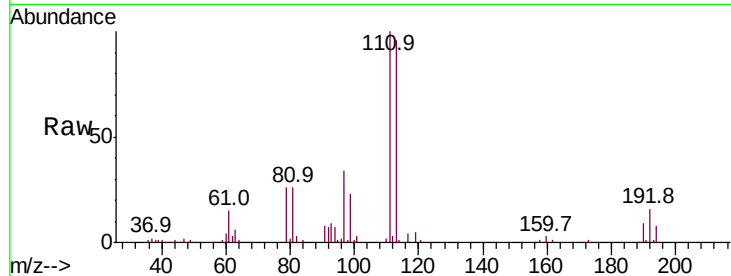
#35
 Dibromofluoromethane
 Concen: 46.515 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	177885		
111	103.0	80.7	121.1	
192	16.2	12.6	19.0	

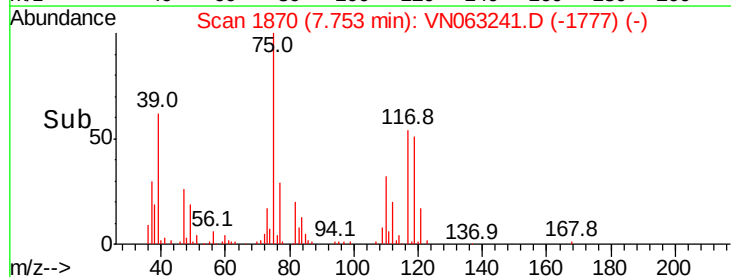
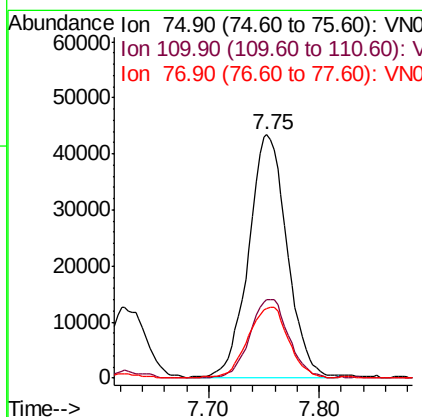
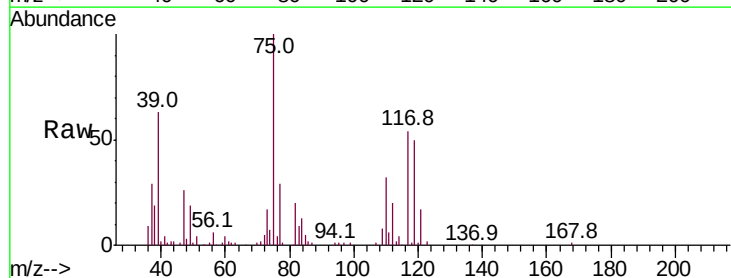
Manual Integrations
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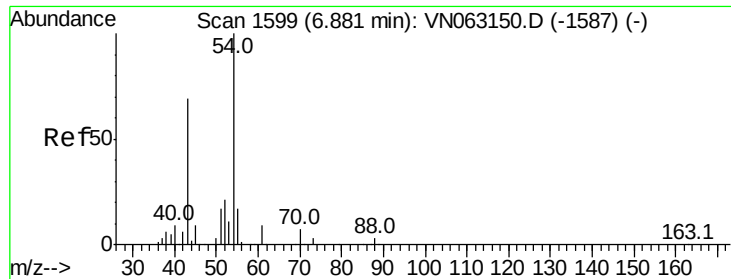
MMDadoda
 9/8/2020 5:34:34 PM



#36
 1,1-Dichloropropene
 Concen: 18.418 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	105547		
110	32.5	16.6	49.8	
77	30.6	25.4	38.2	





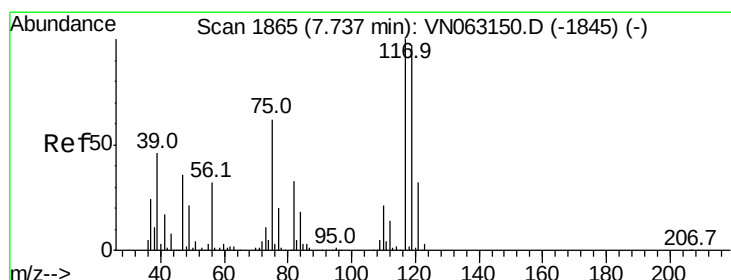
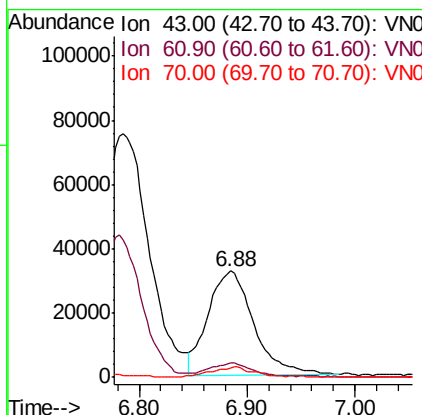
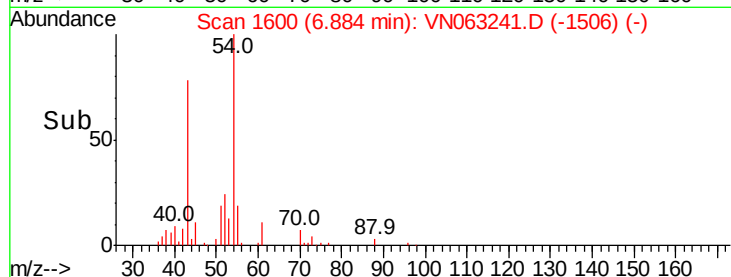
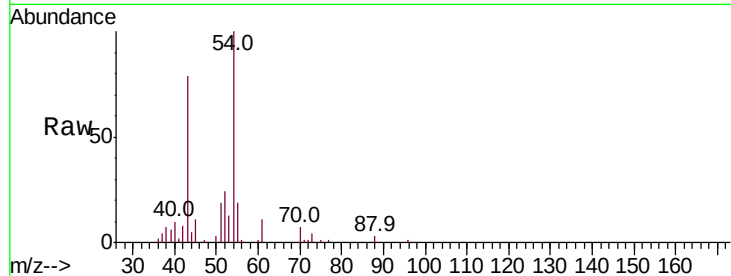
#37
Ethyl Acetate
Concen: 17.816 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.2	15.4
70	8.8	3.0	4.6#

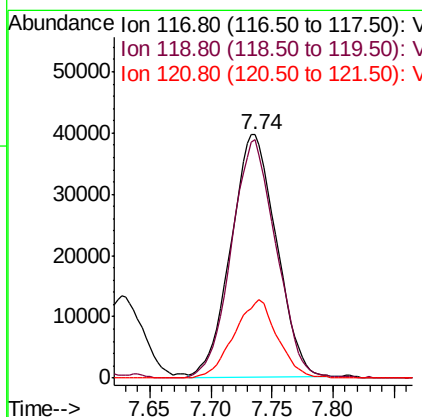
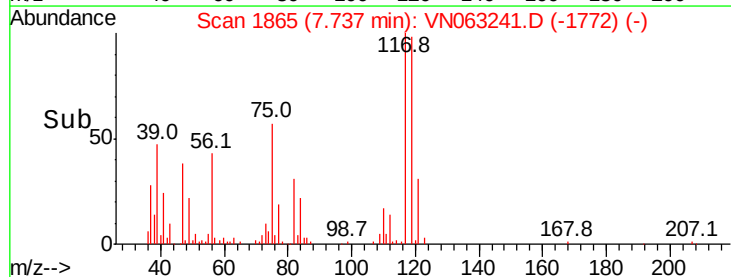
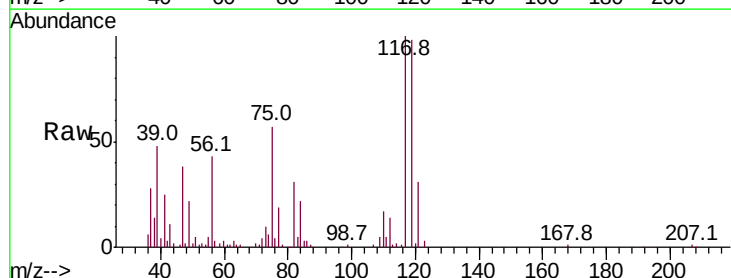
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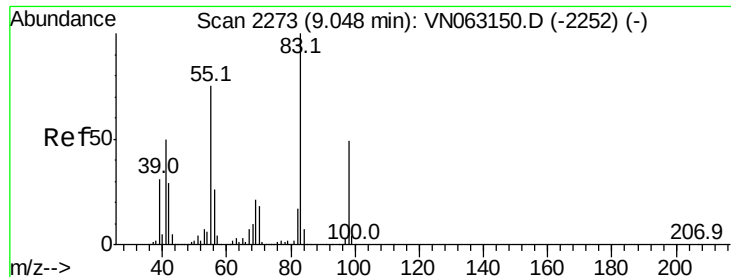
MMDadoda
9/8/2020 5:34:34 PM



#38
Carbon Tetrachloride
Concen: 17.567 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	77.2	115.8
121	30.8	25.6	38.4





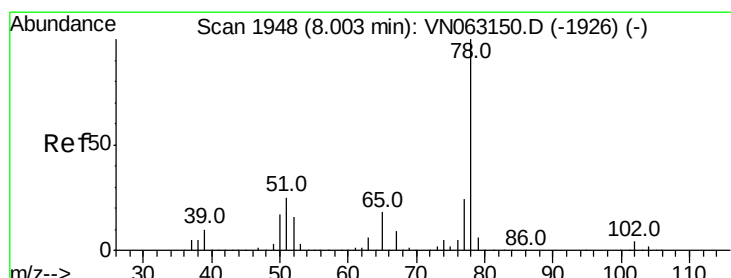
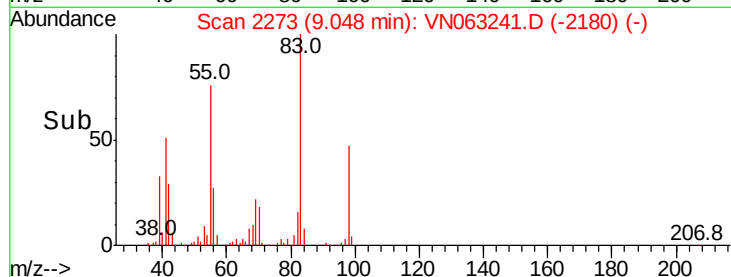
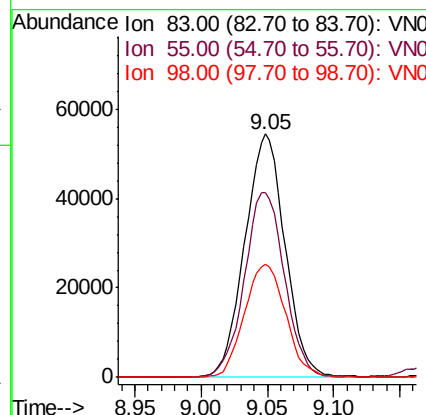
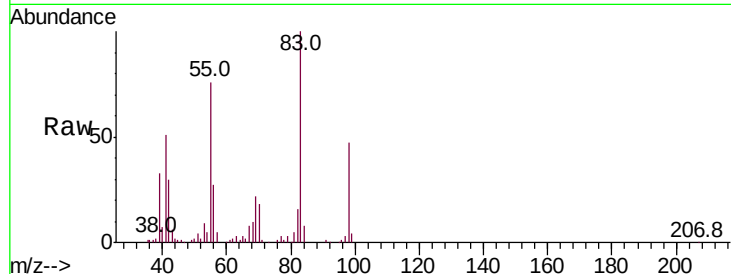
#39
Methylvlcyclohexane
Concen: 17.816 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	60.3	90.5
98	46.6	38.9	58.3

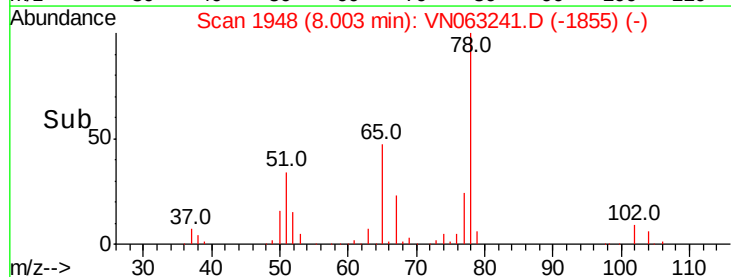
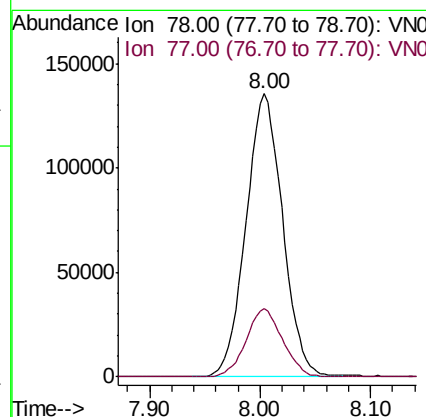
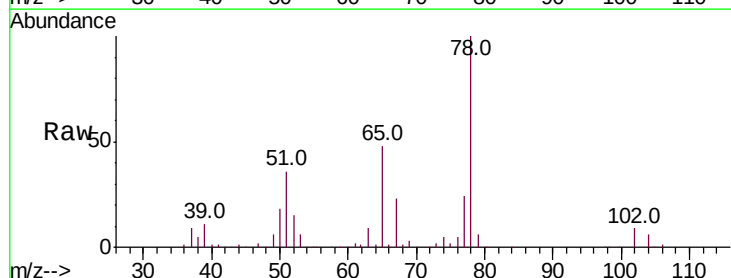
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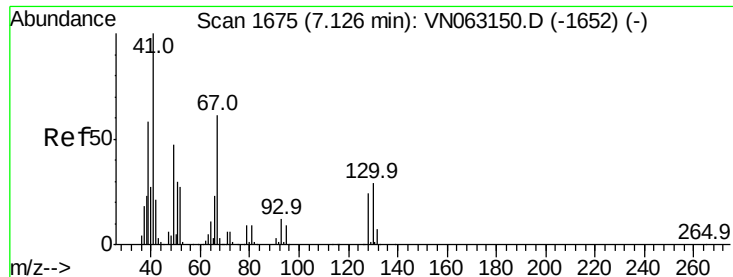
MMDadoda
9/8/2020 5:34:34 PM



#40
Benzene
Concen: 18.530 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





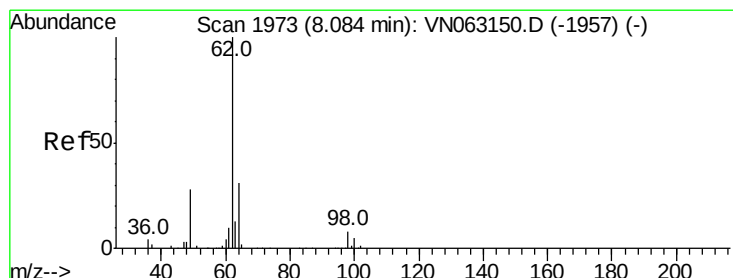
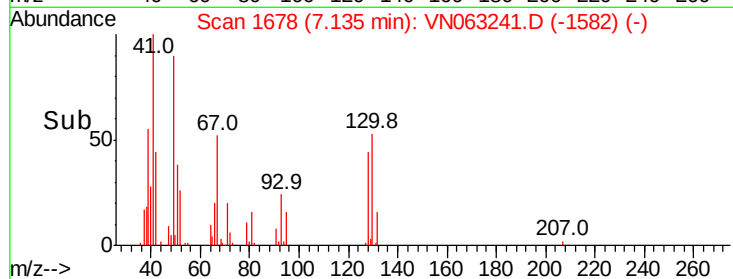
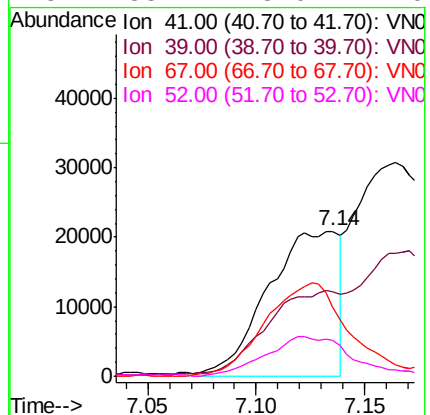
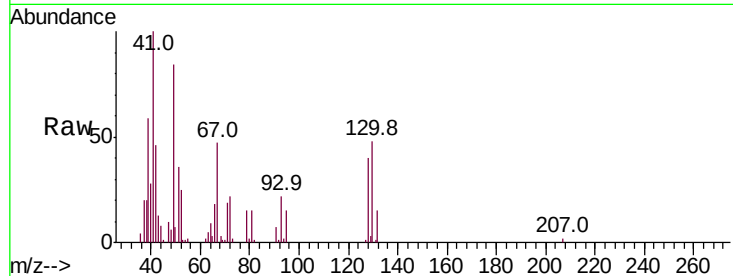
#41
Methacrylonitrile
Concen: 19.751 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. 0.01 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.6	46.6	70.0
67	76.9	62.6	94.0
52	33.4	28.0	42.0

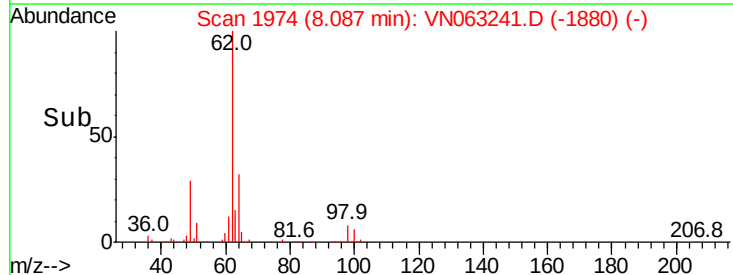
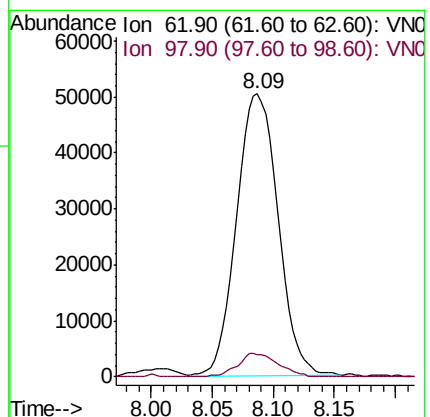
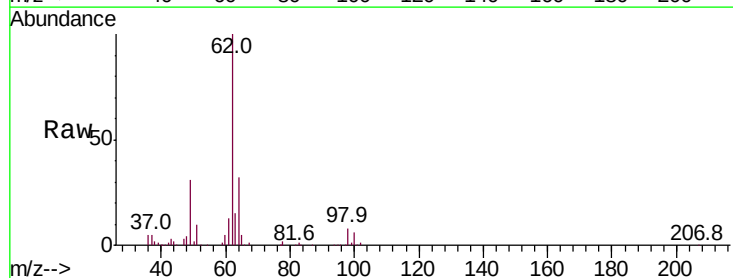
Manual Integrations
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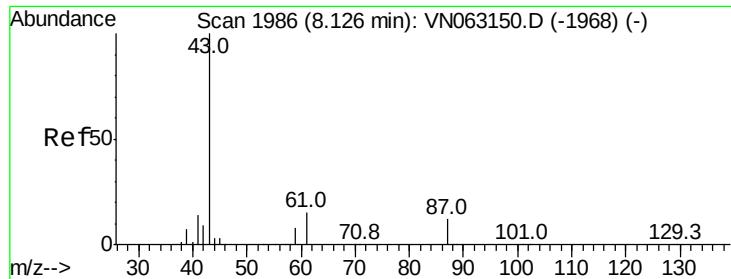
MMDadoda
9/8/2020 5:34:34 PM



#42
1,2-Dichloroethane
Concen: 18.870 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 18.335 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

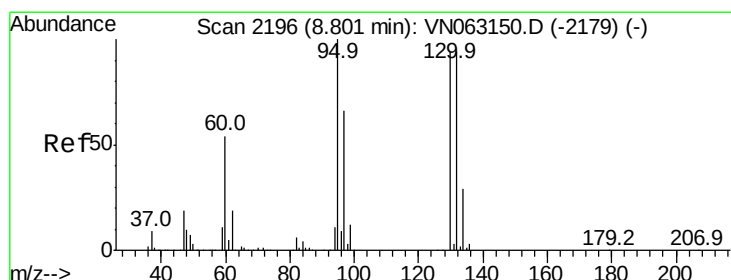
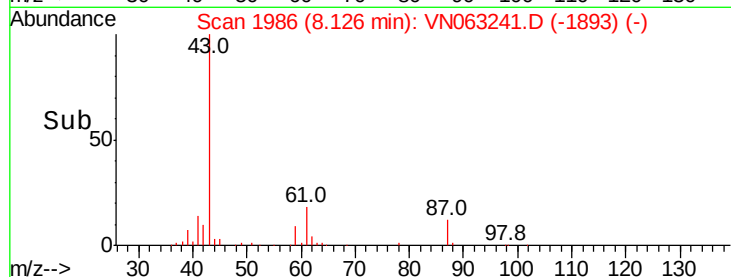
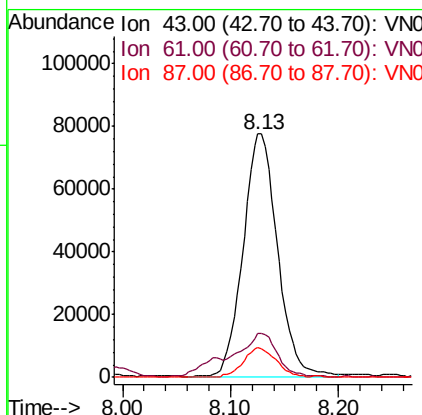
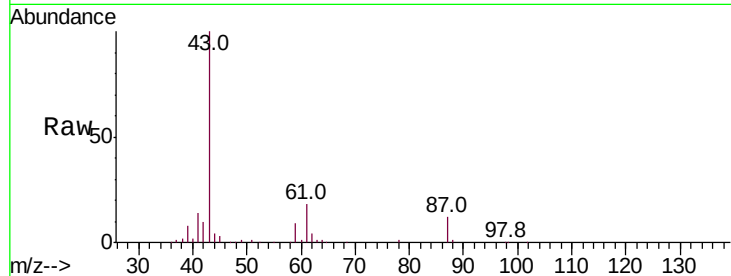
ClientSampleId :

VN0904MBS01

Tot Ion:	43	Resp:	171351
Ion	Ratio	Lower	Upper
43	100		
61	19.0	20.2	30.4#
87	11.3	9.8	14.6

Manual Integrations
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9/8/2020 5:34:34 PM



#44

Trichloroethene

Concen: 20.055 ug/l

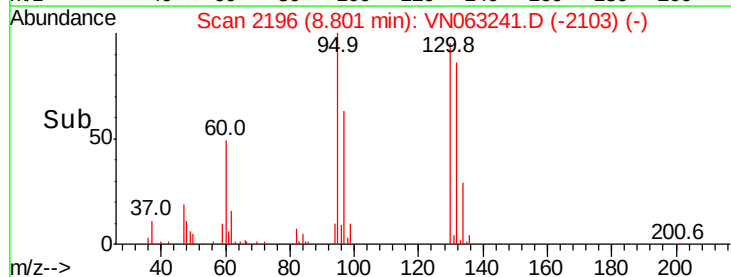
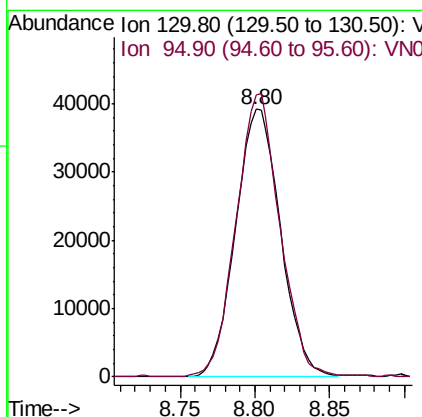
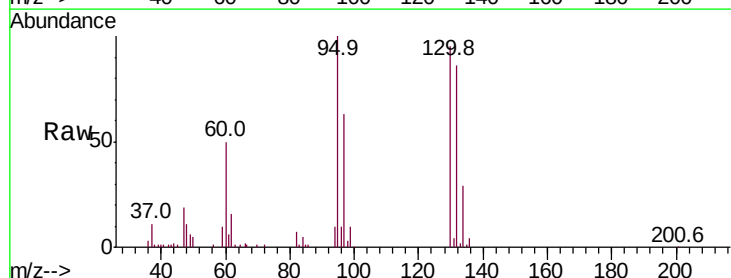
RT: 8.80 min Scan# 2196

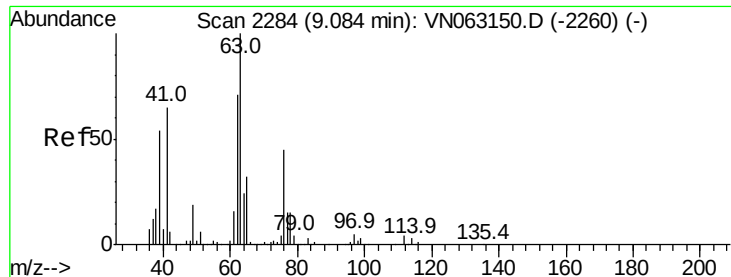
Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Tgt Ion:	130	Resp:	81917
Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	212.0





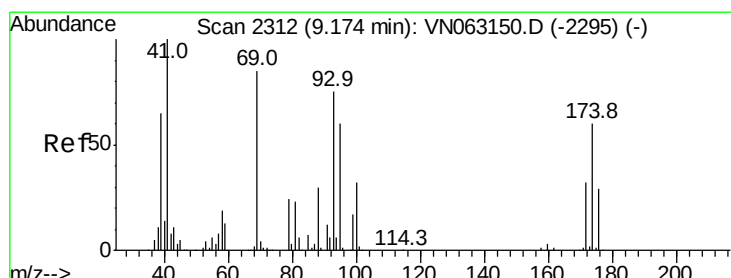
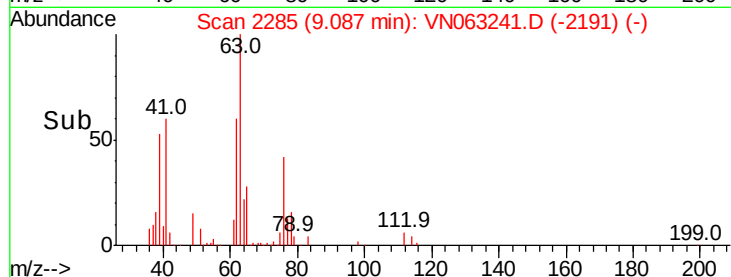
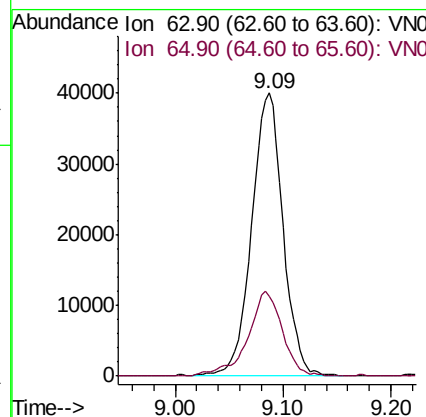
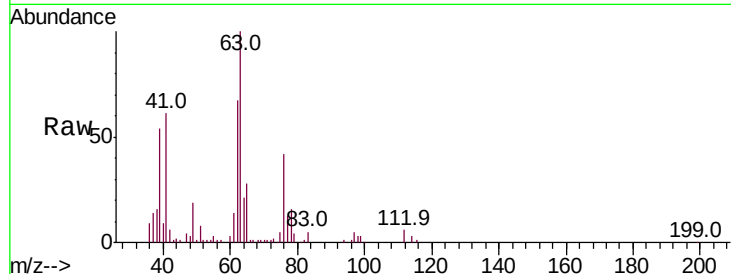
#45
 1,2-Dichloropropane
 Concen: 18.126 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

Tot Ion: 63 Resp: 80818
 Ion Ratio Lower Upper
 63 100
 65 28.3 25.4 38.0

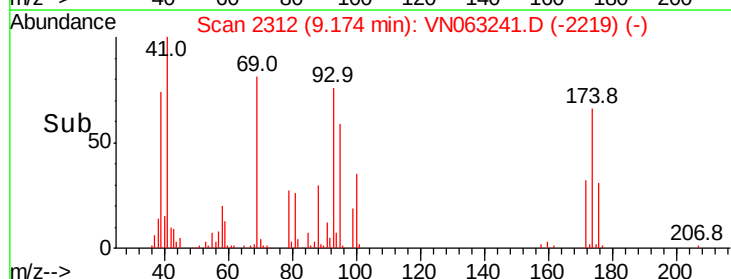
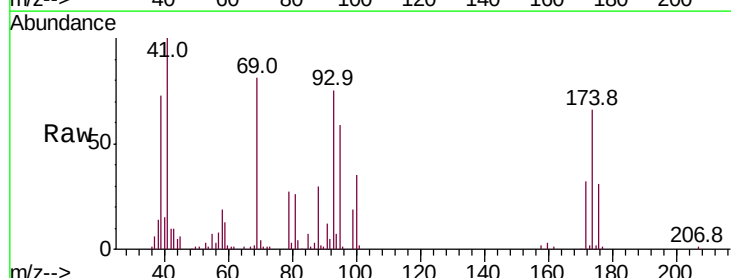
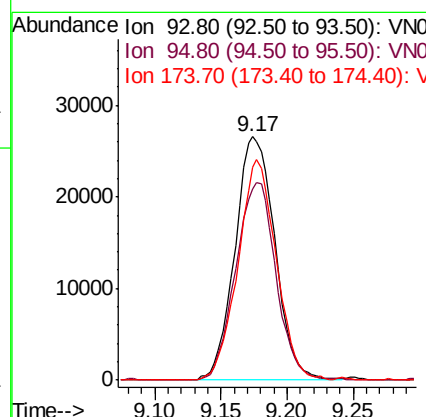
Manual Integrations
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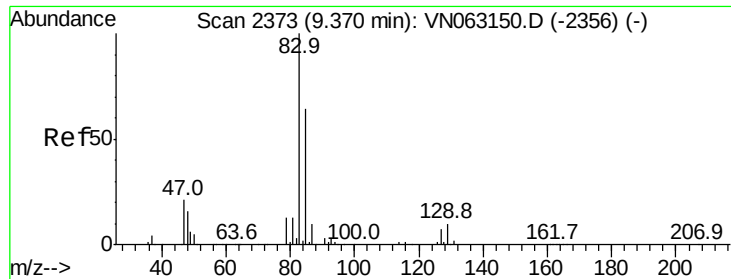
MMDadoda
 9/8/2020 5:34:34 PM



#46
 Dibromomethane
 Concen: 18.829 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion: 93 Resp: 55634
 Ion Ratio Lower Upper
 93 100
 95 81.8 65.2 97.8
 174 86.5 64.6 97.0





#47

Bromodichloromethane

Concen: 18.080 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

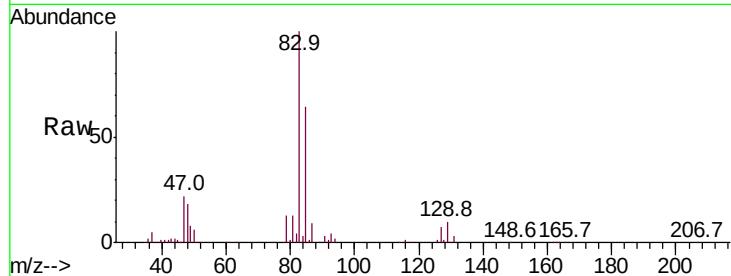
ClientSampleId :

VN0904MBS01

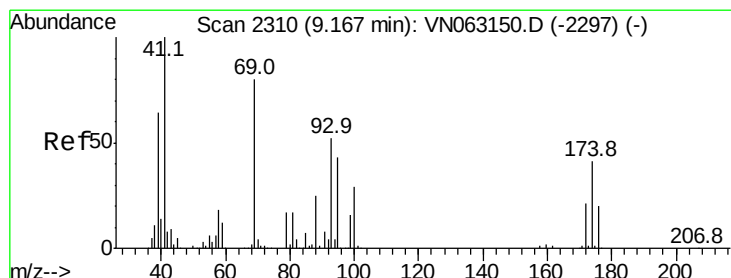
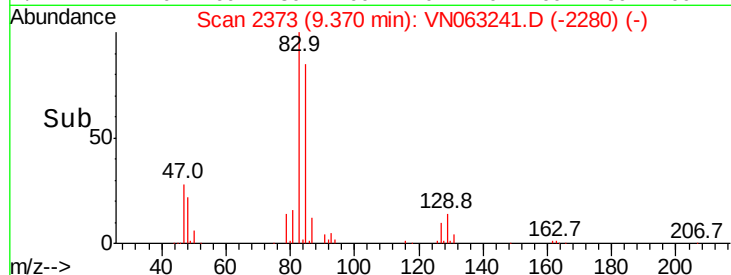
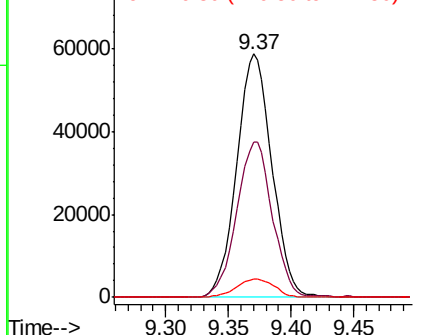
Tot Ion:	83	Resp:	114505
Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.6
127	7.3	5.7	8.5

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Abundance Ion 82.90 (82.60 to 83.60): VN063241.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.007 ug/l

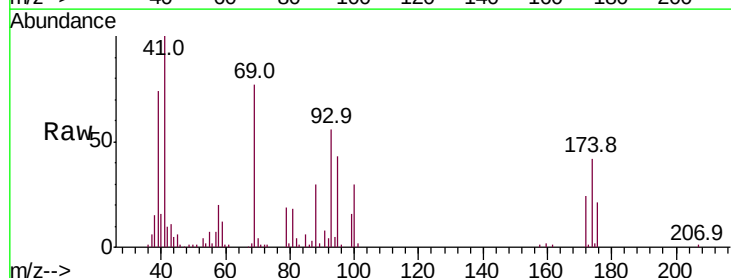
RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

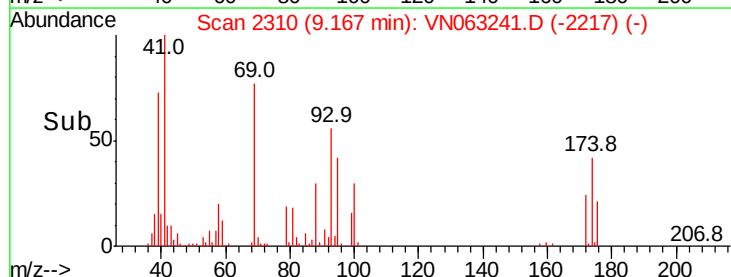
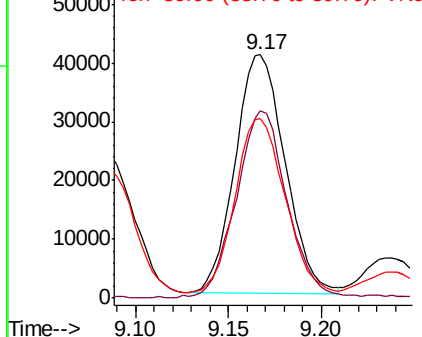
Lab File: VN063241.D

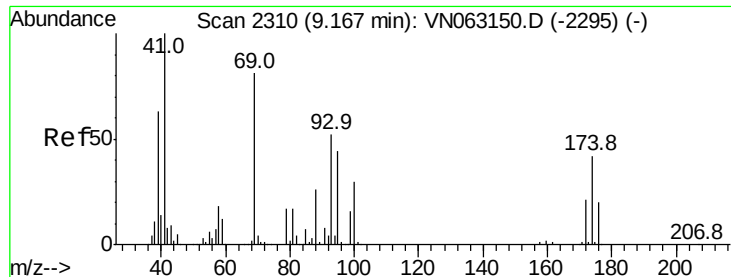
Acq: 4 Sep 2020 12:37

Tgt Ion:	41	Resp:	75863
Ion	Ratio	Lower	Upper
41	100		
69	80.3	65.9	98.9
39	76.7	52.0	78.0



Abundance Ion 41.00 (40.70 to 41.70): VN063241.D (-2217) (-)





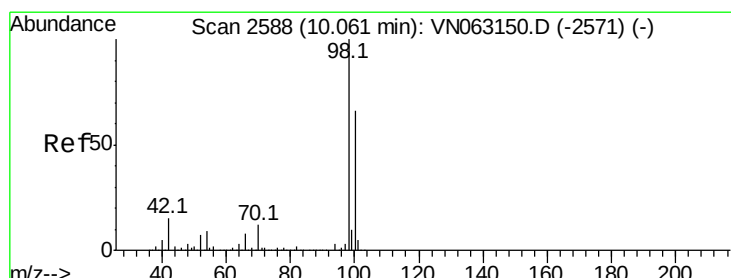
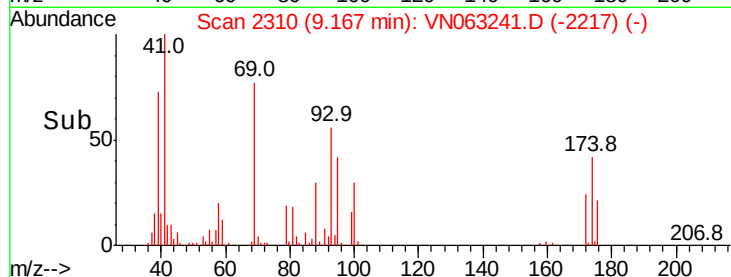
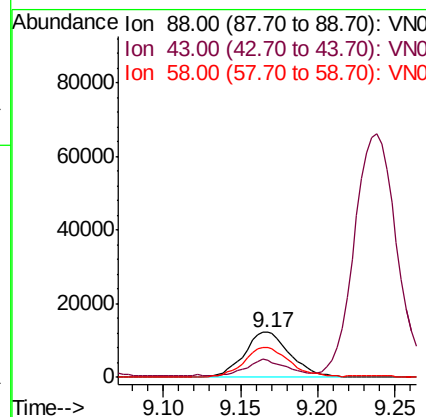
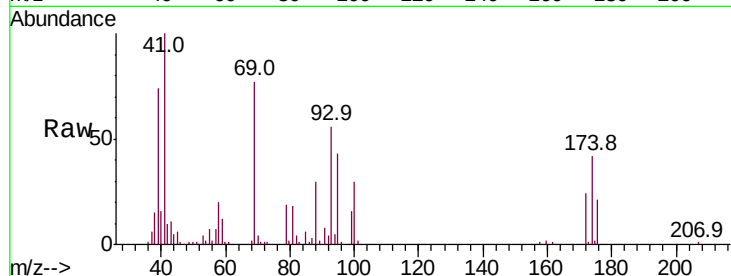
#49
1,4-Dioxane
Concen: 388.390 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion	88	Resp	25309
Ion	Ratio	Lower	Upper
88	100		
43	29.5	28.6	42.8
58	66.8	53.2	79.8

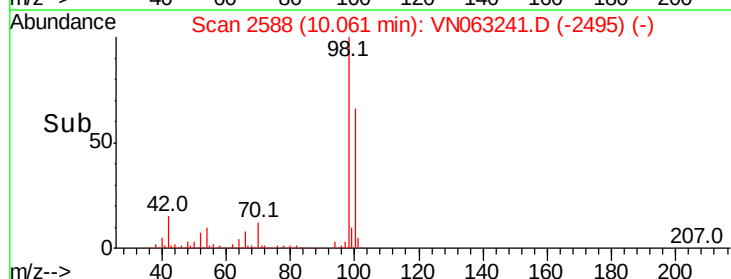
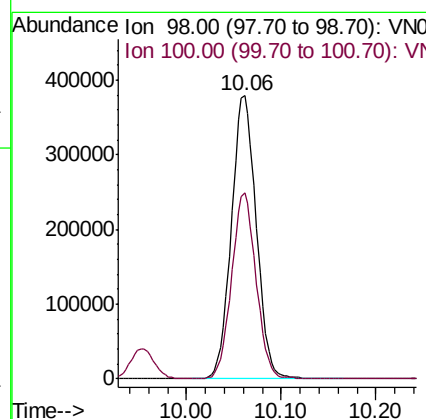
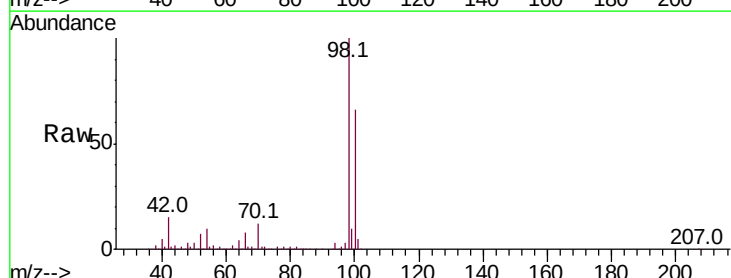
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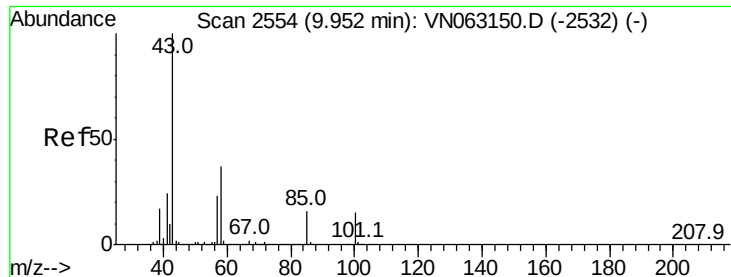
MMDadoda
9/8/2020 5:34:34 PM



#50
Toluene-d8
Concen: 47.075 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion	98	Resp	692934
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 99.846 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

Tot Ion: 43 Resp: 507075

Ion Ratio Lower Upper

43 100

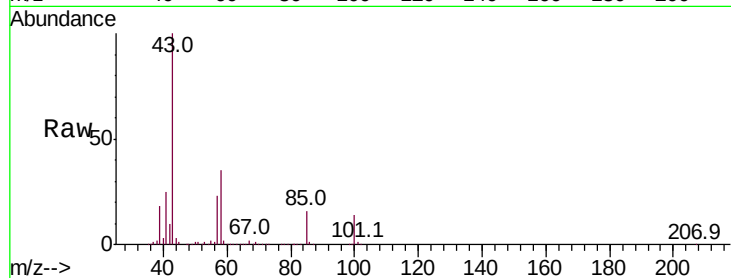
58 35.9 29.2 43.8

Manual Integrations

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MMDadoda

9/8/2020 5:34:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

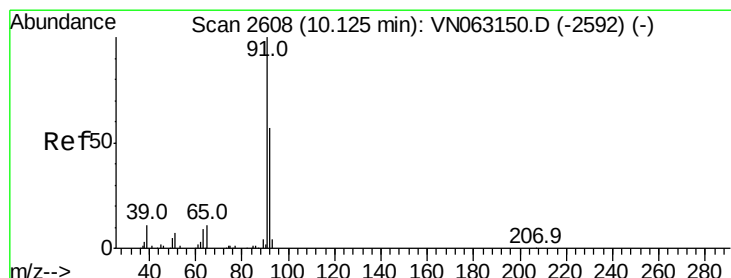
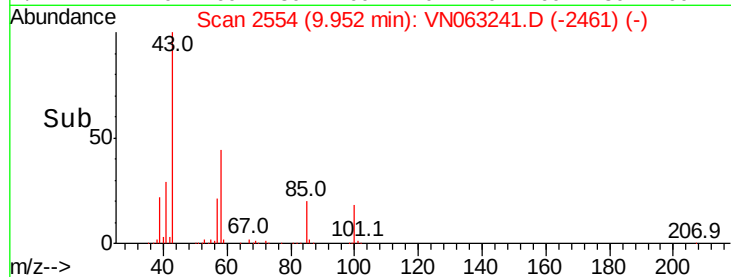
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.871 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063241.D

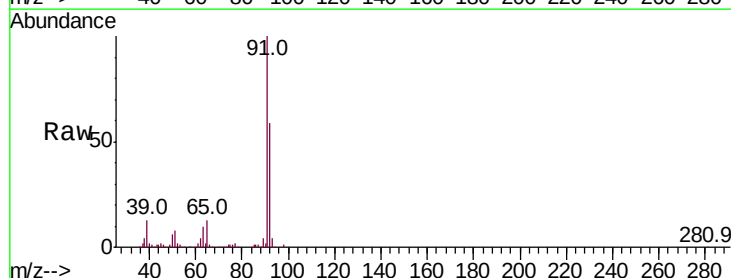
Acq: 4 Sep 2020 12:37

Tgt Ion: 92 Resp: 197968

Ion Ratio Lower Upper

92 100

91 173.5 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.13

200000

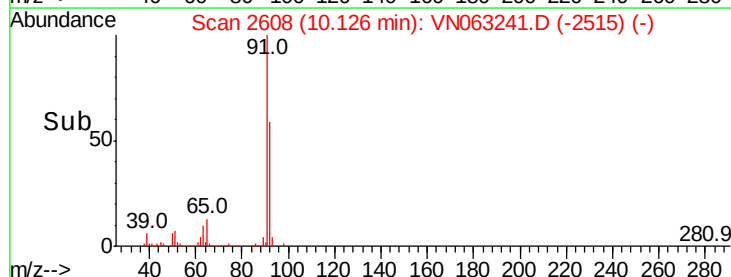
150000

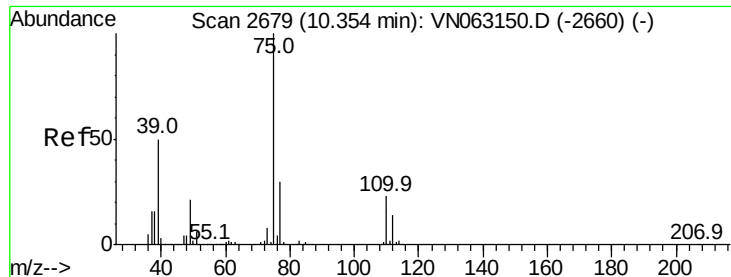
100000

50000

0

Time-->





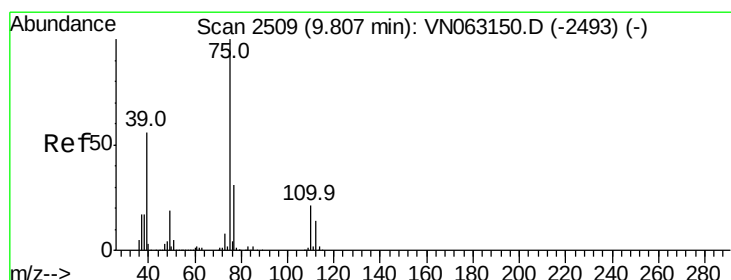
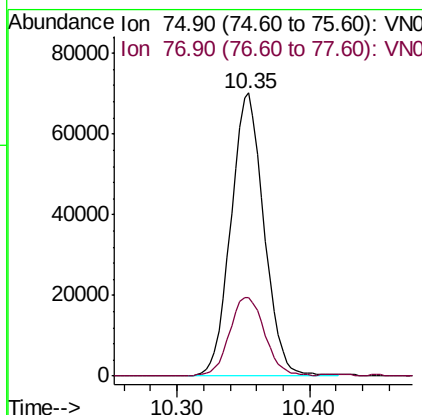
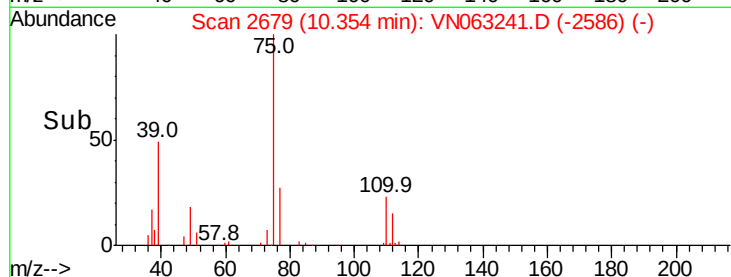
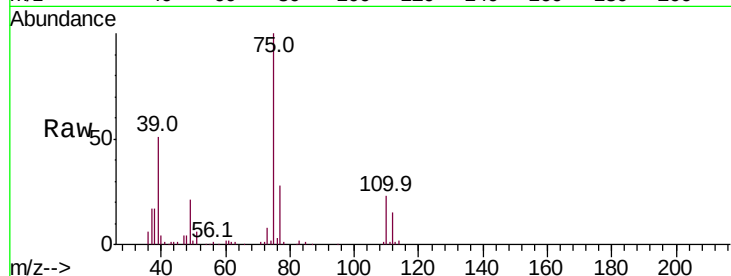
#53
t-1,3-Dichloropropene
Concen: 17.543 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion: 75 Resp: 121532
Ion Ratio Lower Upper
75 100
77 27.5 24.2 36.2

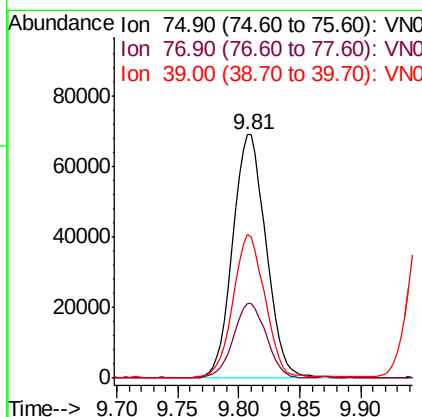
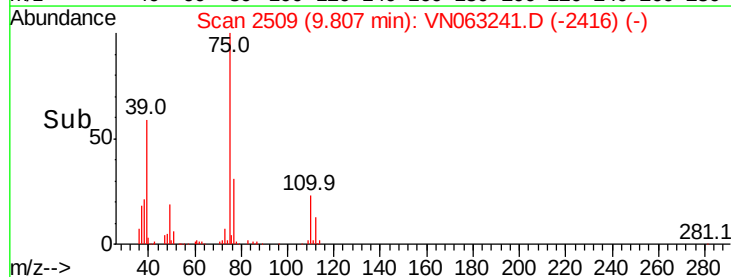
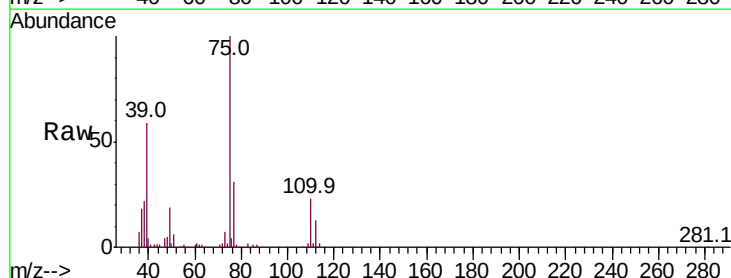
Manual Integrations
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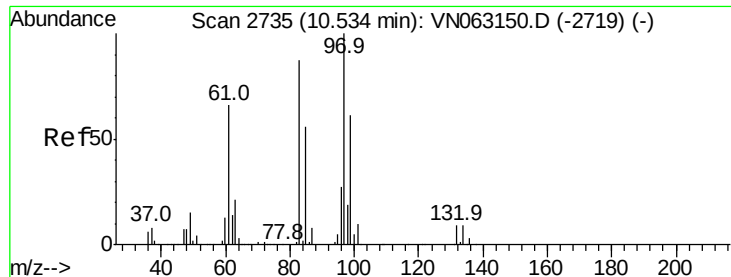
MMDadoda
9/8/2020 5:34:34 PM



#54
cis-1,3-Dichloropropene
Concen: 18.004 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion: 75 Resp: 130922
Ion Ratio Lower Upper
75 100
77 30.6 24.8 37.2
39 58.6 45.0 67.6





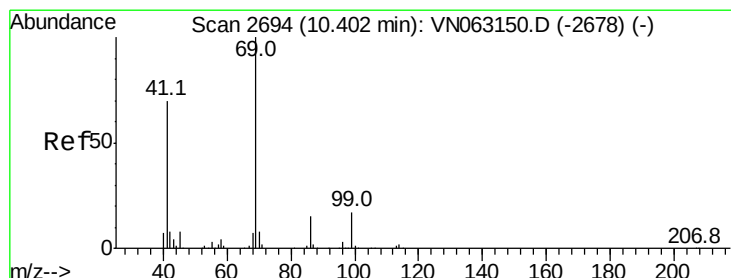
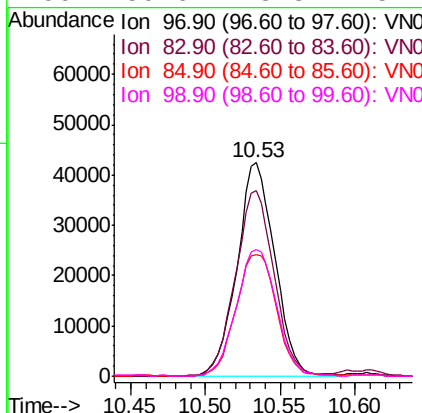
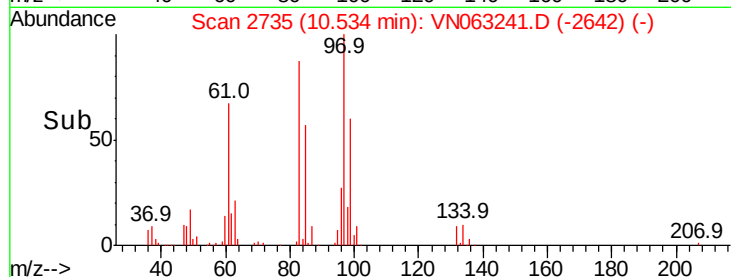
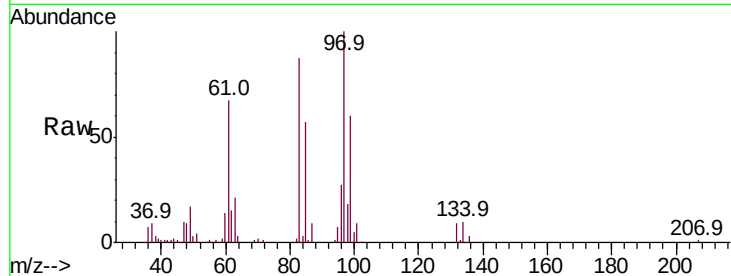
#55
 1,1,2-Trichloroethane
 Concen: 18.617 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

Tot Ion:	97	Resp:	74793
Ion	Ratio	Lower	Upper
97	100		
83	86.6	69.8	104.8
85	56.9	44.9	67.3
99	59.6	48.8	73.2

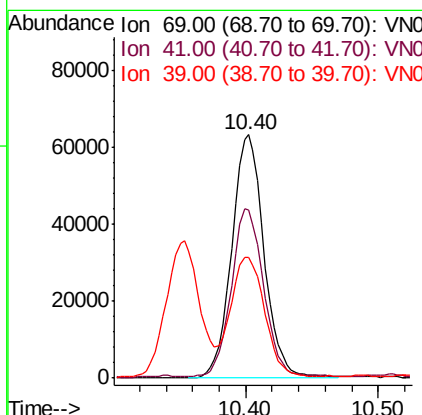
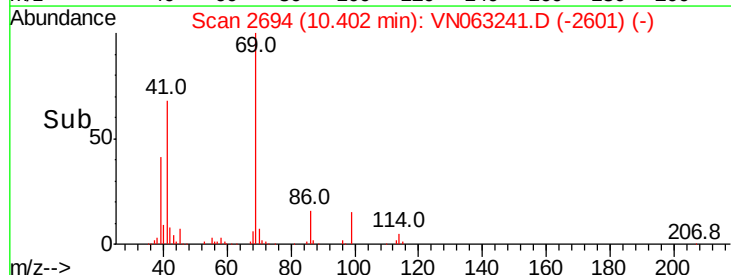
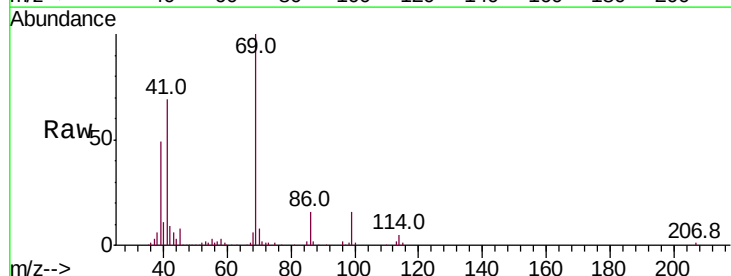
Manual Integrations
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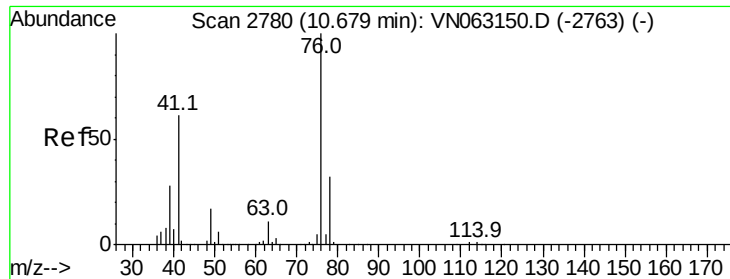
MMDadoda
 9/8/2020 5:34:34 PM



#56
 Ethyl methacrylate
 Concen: 17.539 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion:	69	Resp:	107236
Ion	Ratio	Lower	Upper
69	100		
41	68.2	55.5	83.3
39	51.9	38.2	57.2





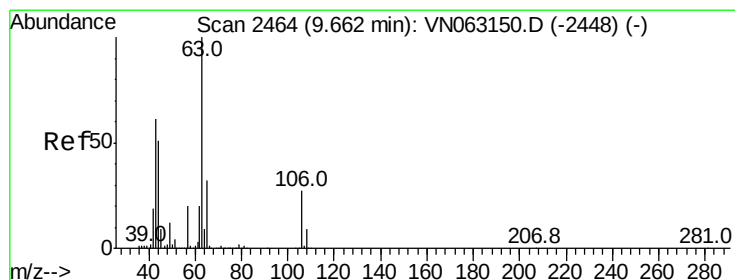
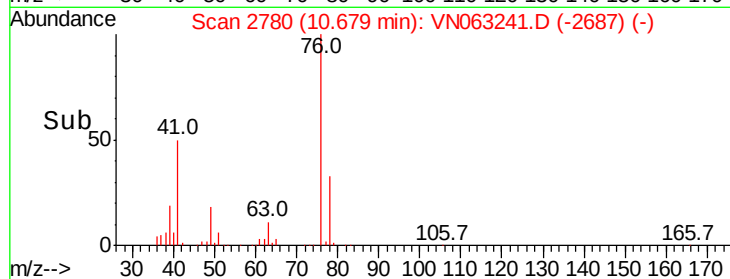
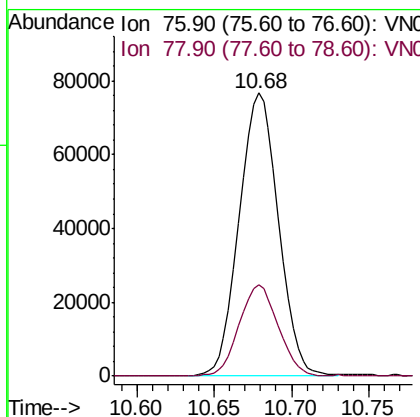
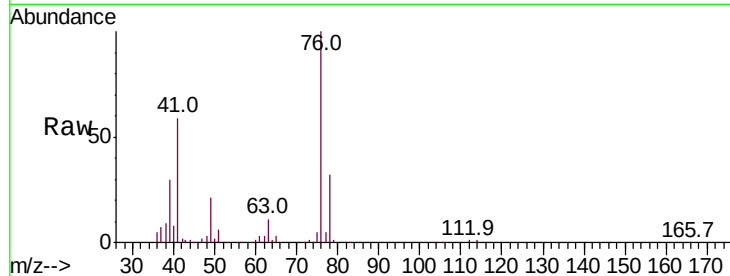
#57
 1,3-Dichloropropane
 Concen: 18.953 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

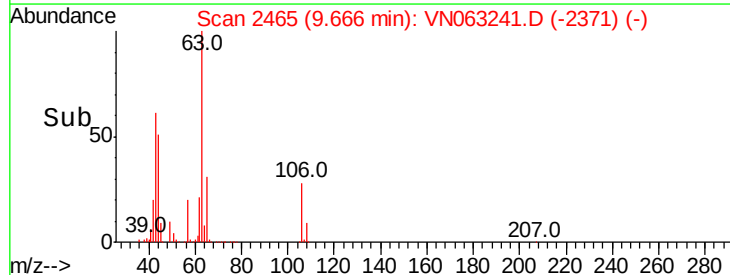
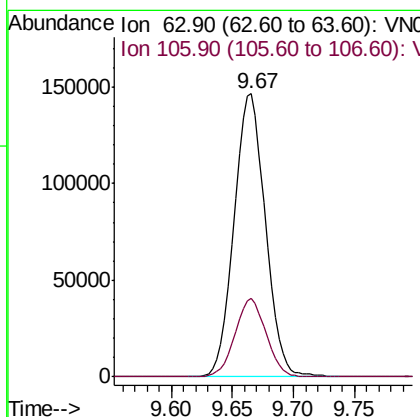
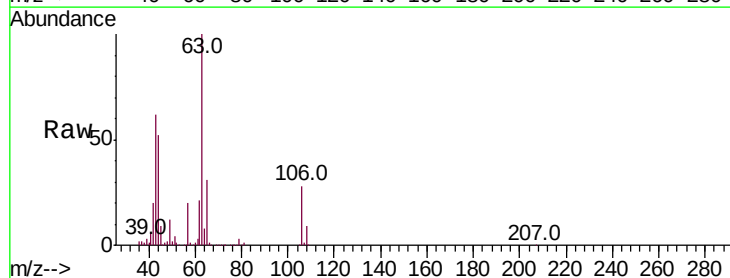
Manual Integrations
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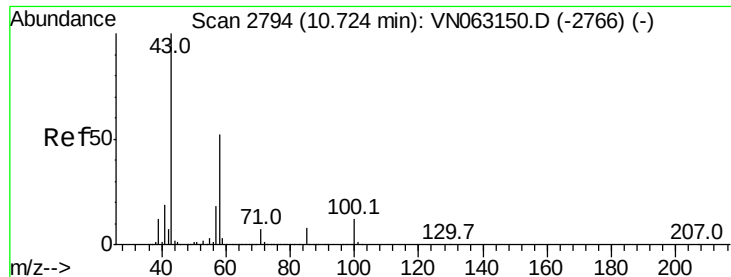
MMDadoda
 9/8/2020 5:34:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.456 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.8	32.6





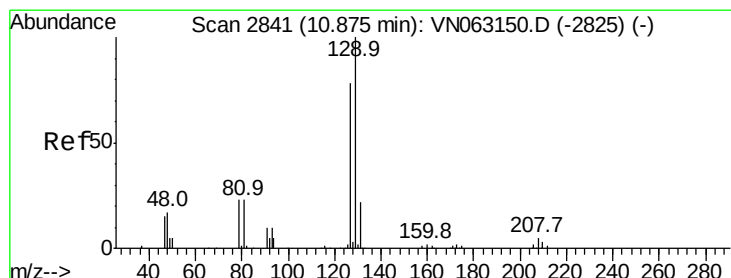
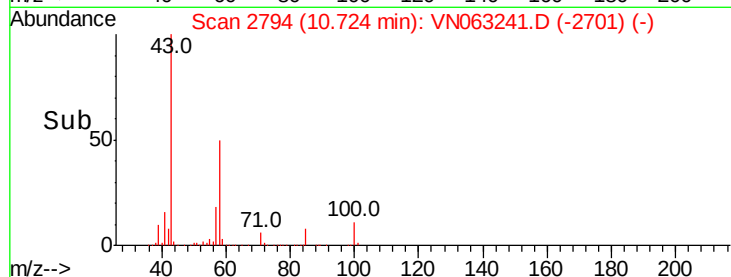
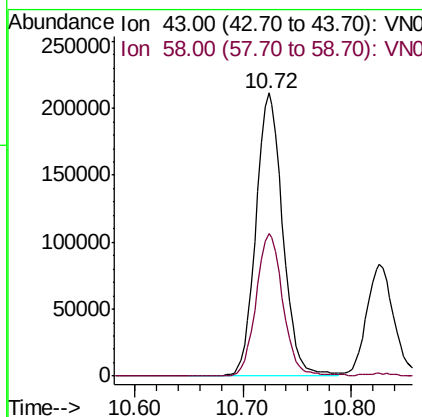
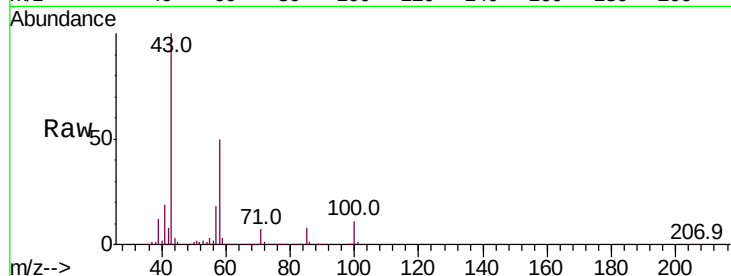
#59
2-Hexanone
Concen: 101.422 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.4	25.9	77.8

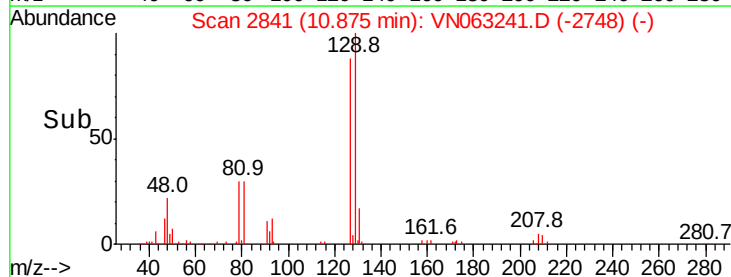
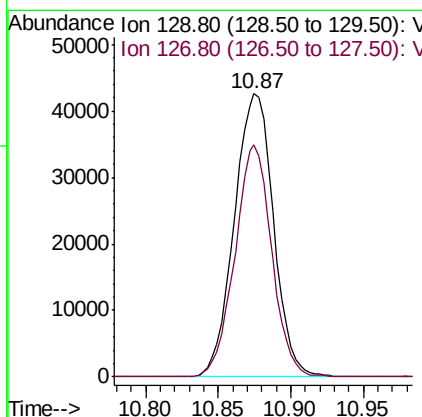
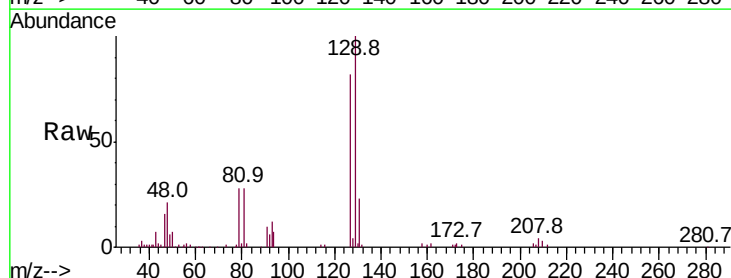
Manual Integrations
APPROVED

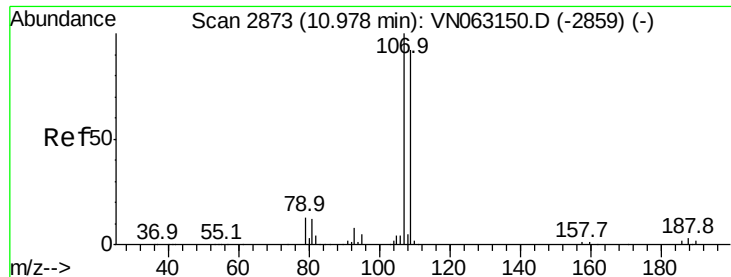
MMDadoda
9/8/2020 5:34:34 PM



#60
Dibromochloromethane
Concen: 18.031 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.0	117.0





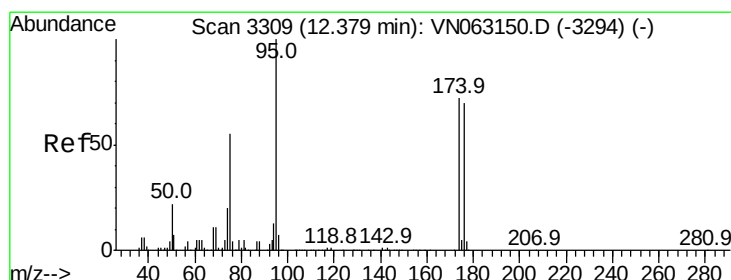
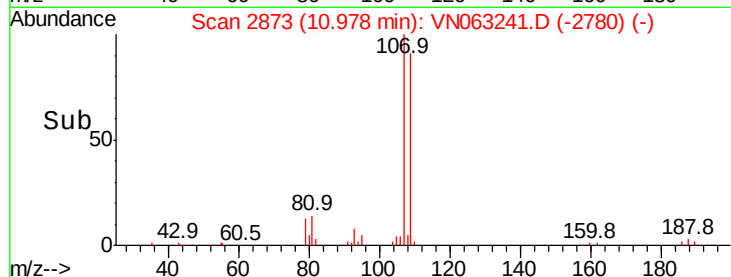
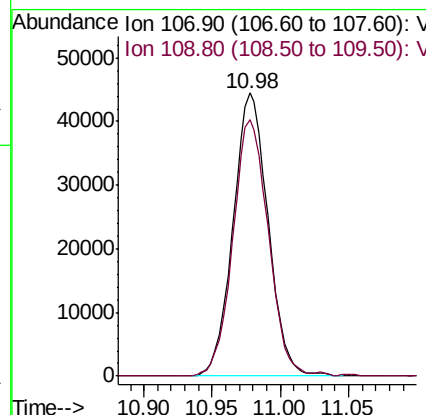
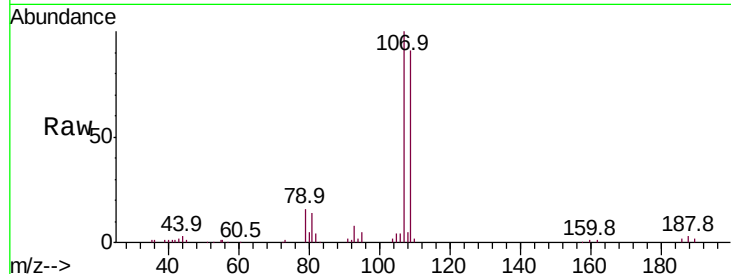
#61
 1,2-Dibromoethane
 Concen: 18.934 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0904MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.0	73.4	110.0

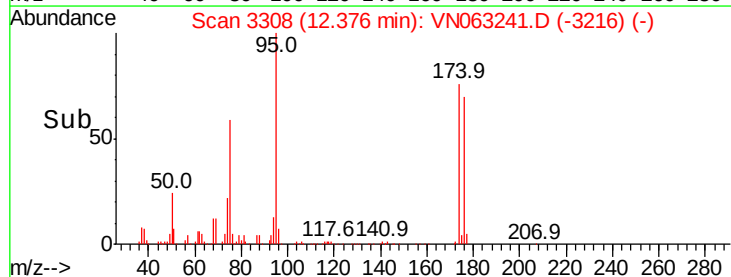
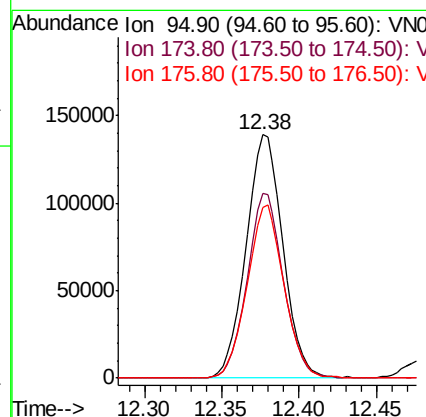
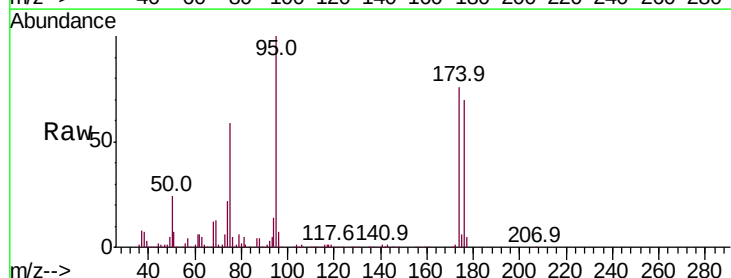
Manual Integrations
 APPROVED

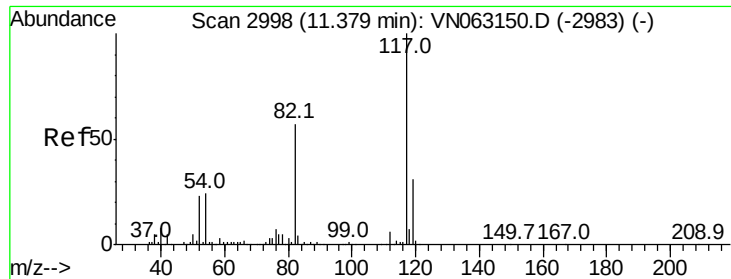
MMDadoda
 9/8/2020 5:34:34 PM



#62
 4-Bromofluorobenzene
 Concen: 44.808 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	143.8
176	71.1	0.0	138.4





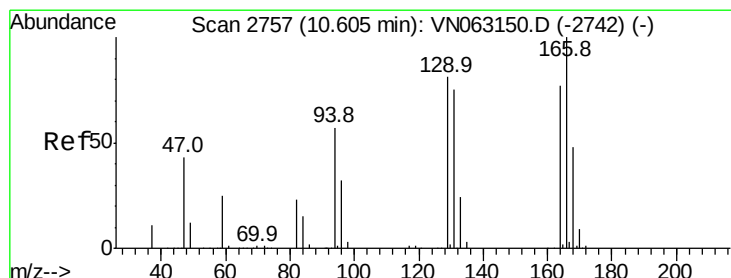
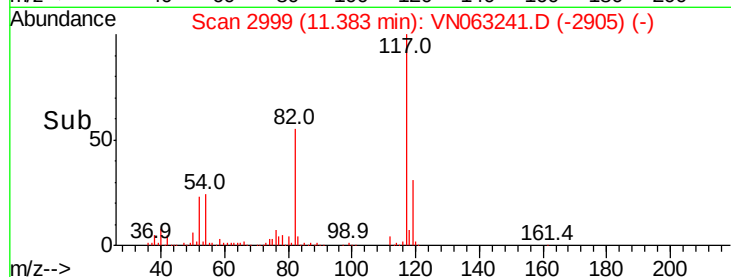
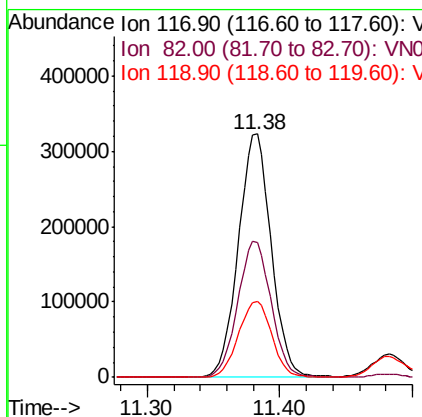
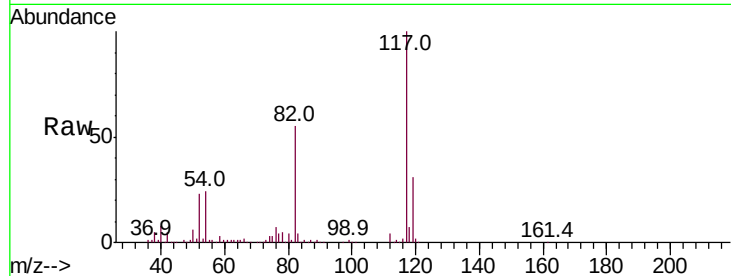
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2999
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	556791		
82	55.3		45.4	68.0
119	31.2		24.6	37.0

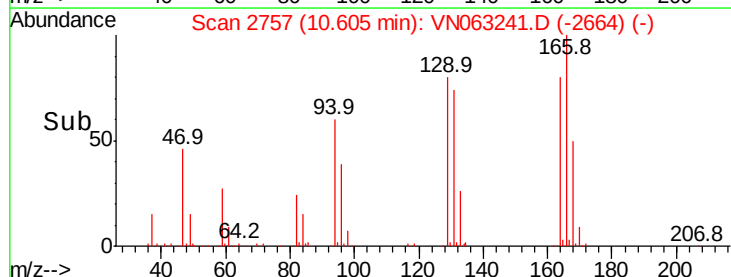
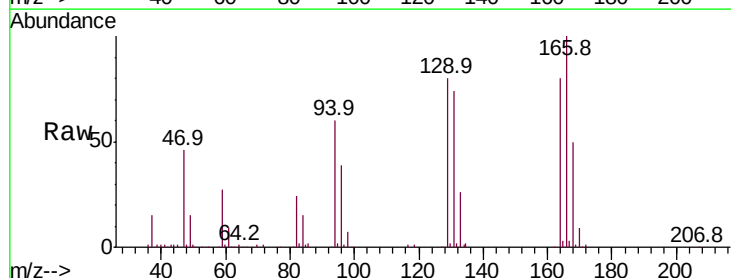
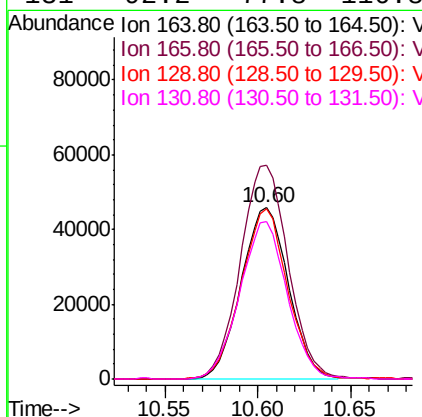
Manual Integrations
APPROVED

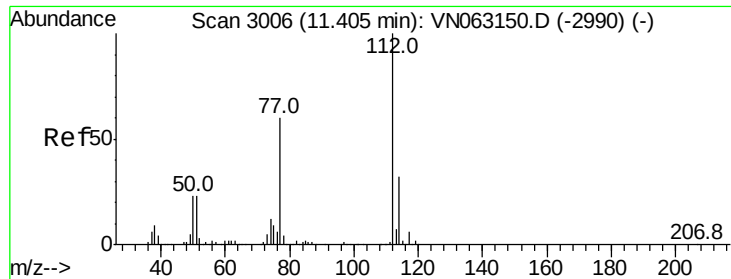
MMDadoda
9/8/2020 5:34:34 PM



#64
Tetrachloroethene
Concen: 20.387 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81515		
166	124.6		103.4	155.2
129	99.0		83.4	125.0
131	92.2		77.8	116.8





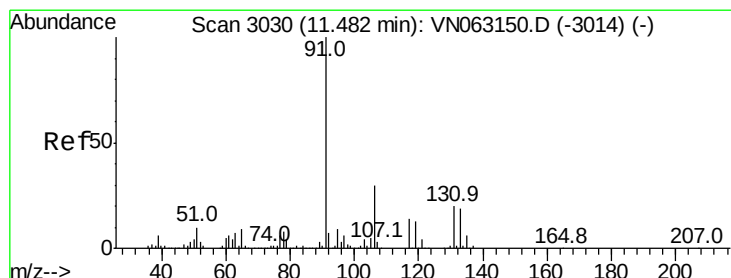
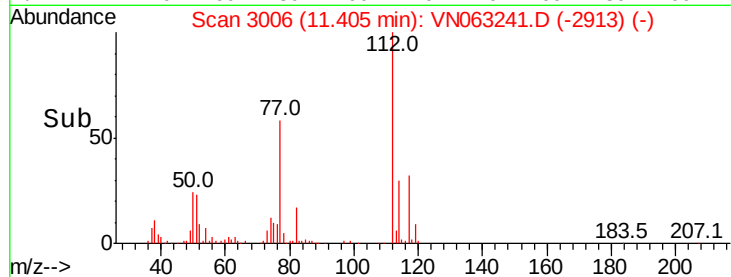
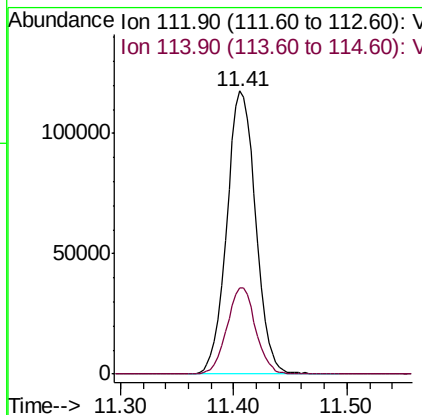
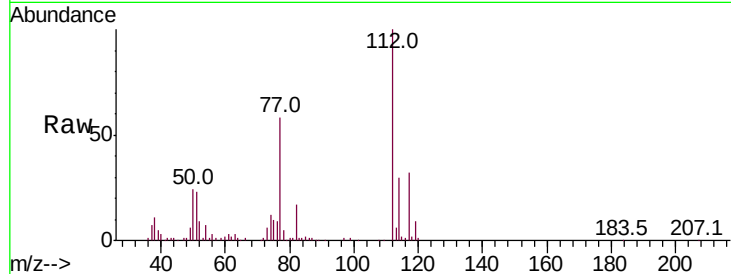
#65
Chlorobenzene
Concen: 18.653 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampled :
VN0904MBS01

Tot Ion:112 Resp: 209179
Ion Ratio Lower Upper
112 100
114 30.3 25.2 37.8

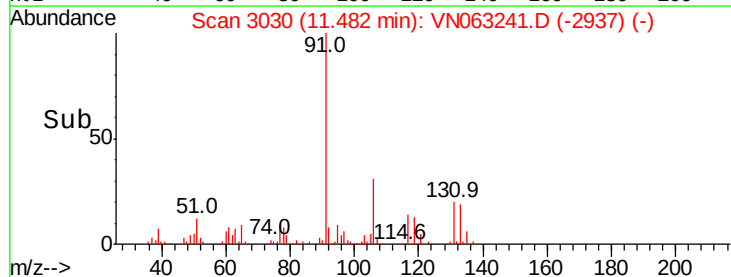
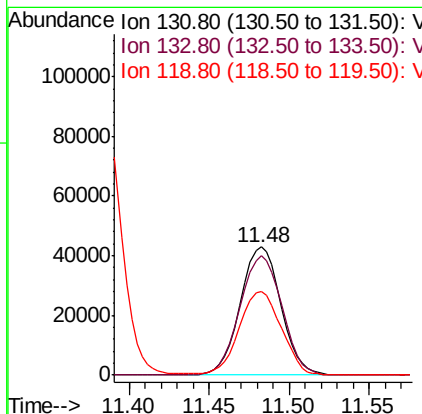
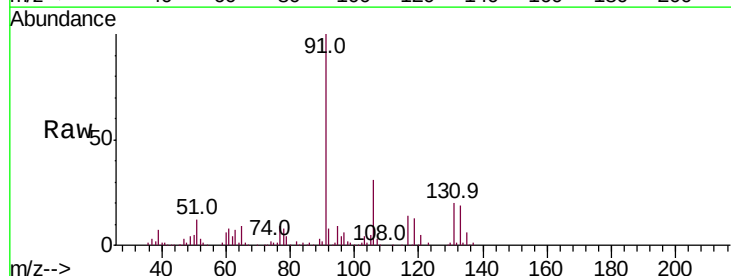
Manual Integrations
APPROVED

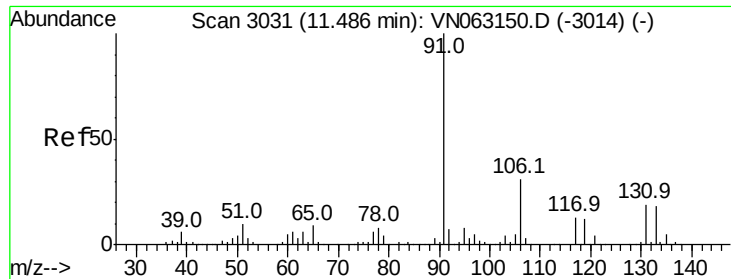
MMDadoda
9/8/2020 5:34:34 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 17.911 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion:131 Resp: 74574
Ion Ratio Lower Upper
131 100
133 96.5 47.3 142.0
119 67.0 32.4 97.0





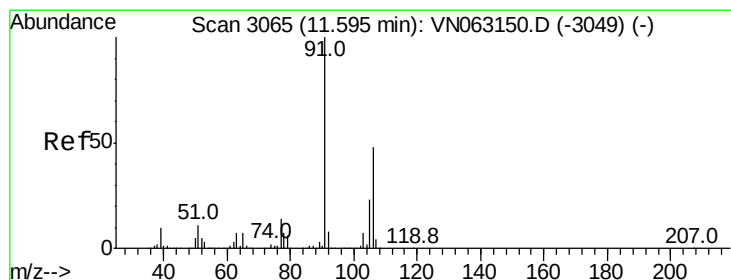
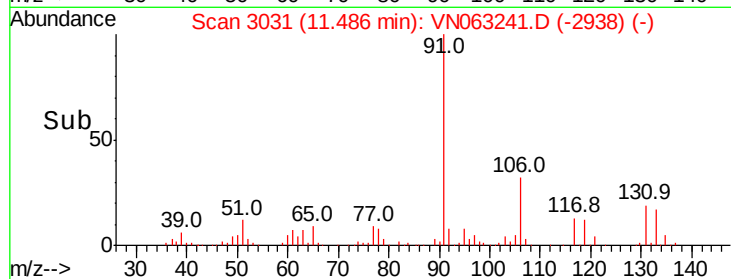
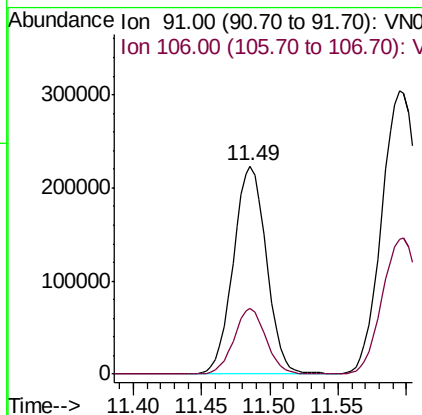
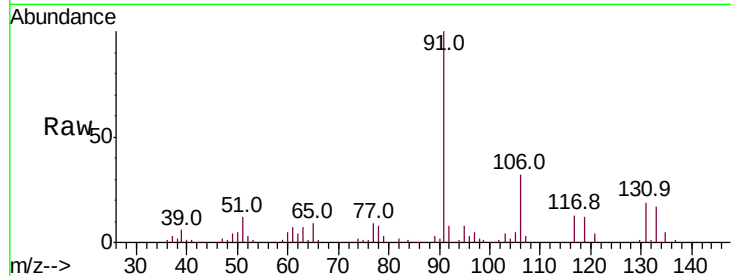
#67
Ethyl Benzene
Concen: 18.448 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion: 91 Resp: 377409
Ion Ratio Lower Upper
91 100
106 31.7 24.4 36.6

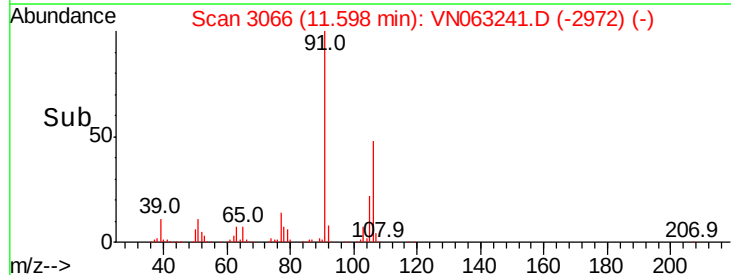
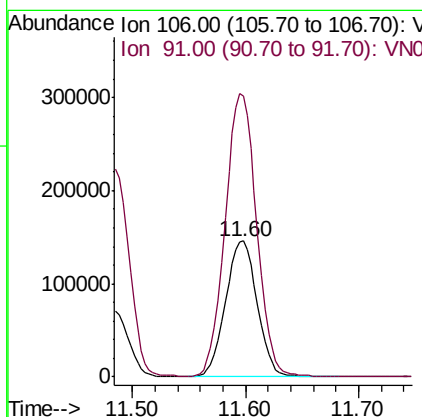
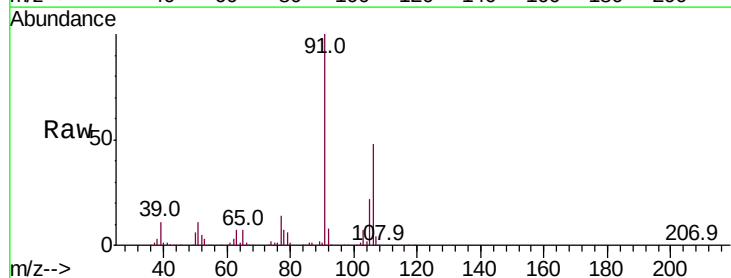
Manual Integrations
APPROVED

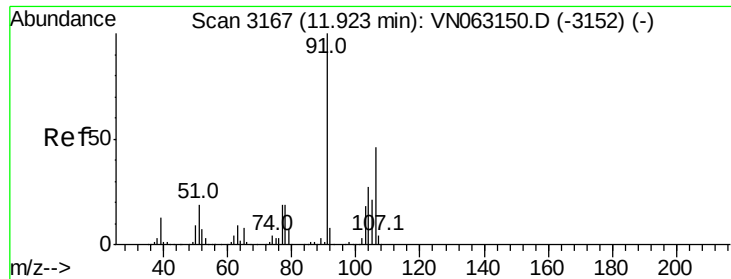
MMDadoda
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#68
m/p-Xylenes
Concen: 37.434 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion: 106 Resp: 283646
Ion Ratio Lower Upper
106 100
91 206.6 166.7 250.1





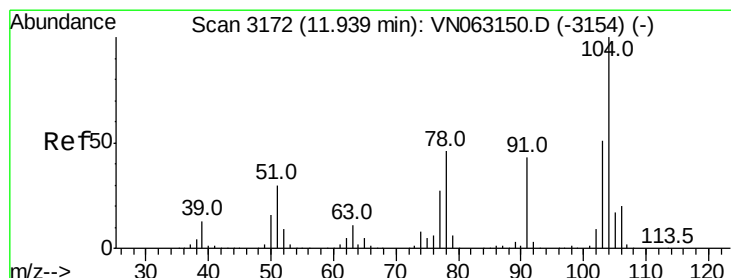
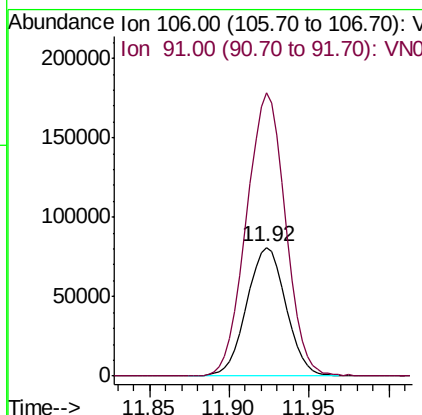
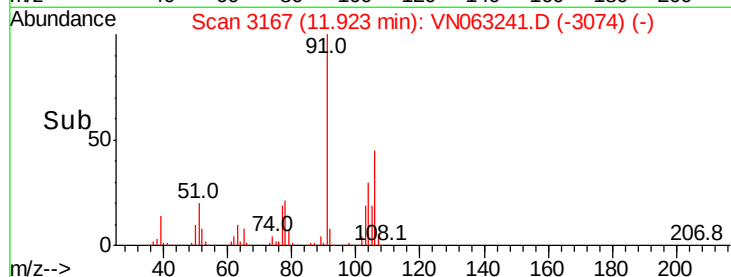
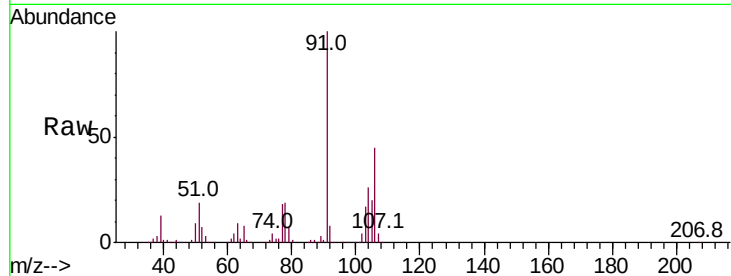
#69
o-Xylene
Concen: 18.562 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.6	108.6	325.6

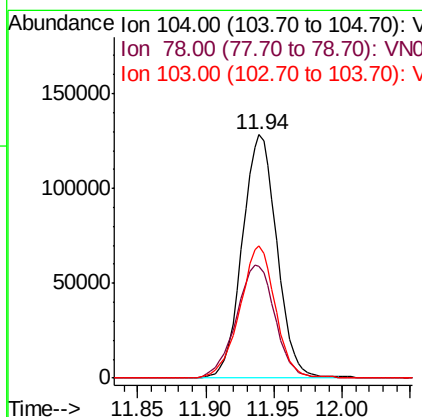
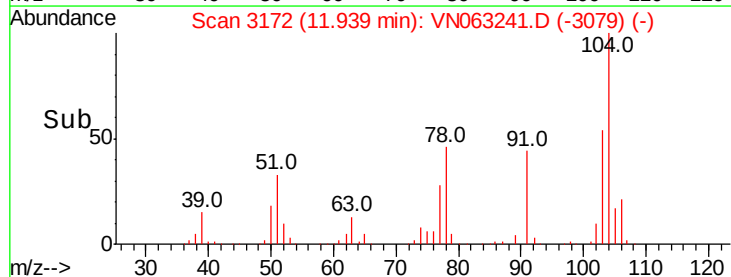
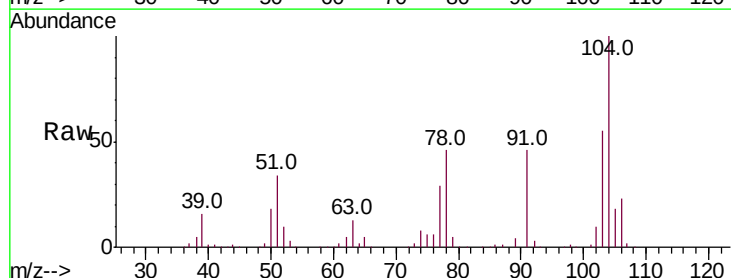
Manual Integrations
APPROVED

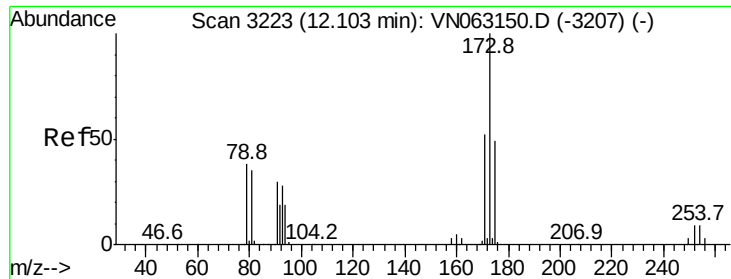
MMDadoda
9/8/2020 5:34:34 PM



#70
Styrene
Concen: 17.931 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.9	41.0	61.6
103	55.8	43.8	65.8





#71

Bromoform

Concen: 16.969 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

Tot Ion:173 Resp: 47948

Ion Ratio Lower Upper

173 100

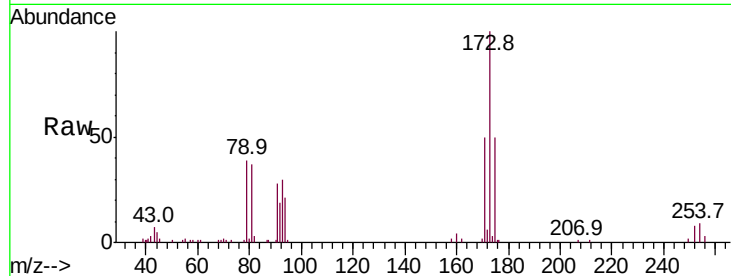
175 49.8 24.6 73.8

254 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

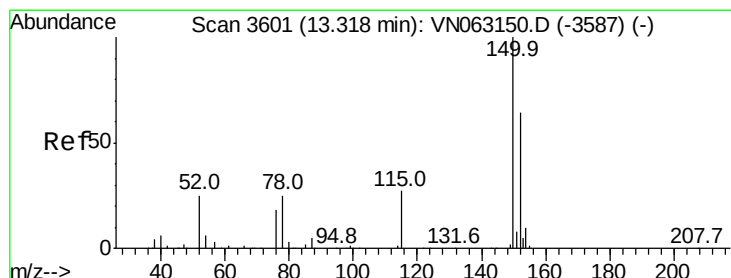
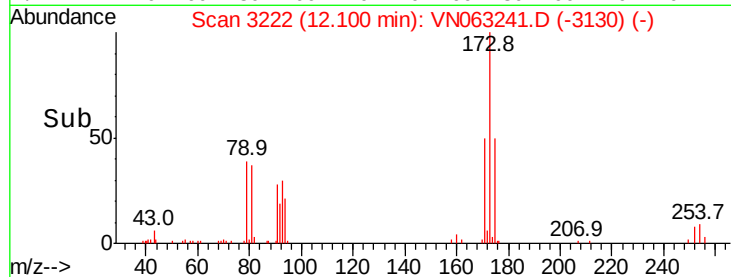
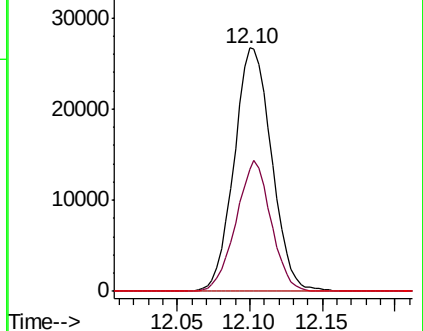
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

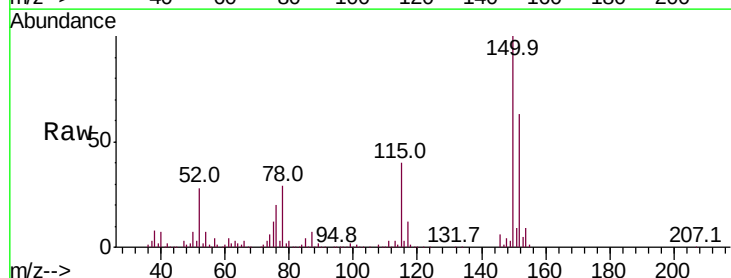
Tgt Ion:152 Resp: 245867

Ion Ratio Lower Upper

152 100

115 63.2 32.0 96.2

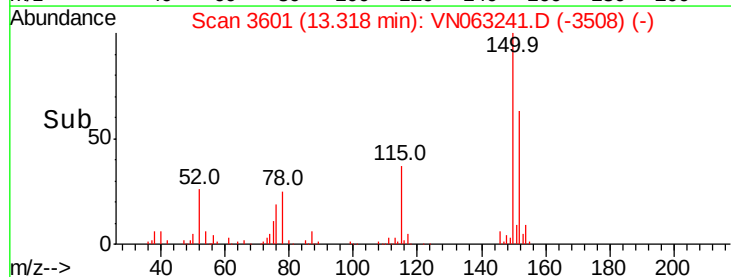
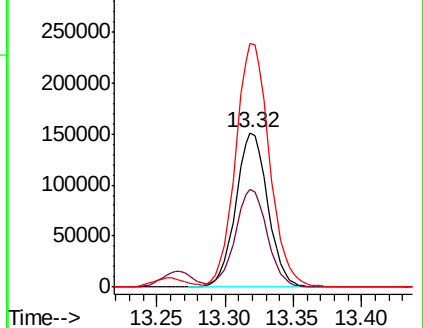
150 166.7 0.0 353.0

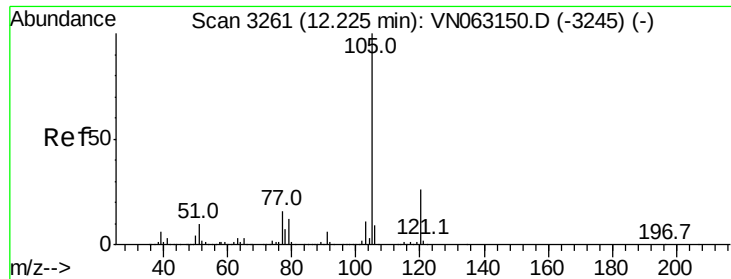


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.201 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampled :

VN0904MBS01

Tot Ion:105 Resp: 362079

Ion Ratio Lower Upper

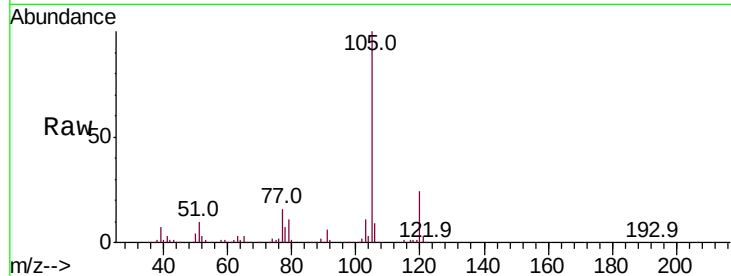
105 100

120 25.3 12.9 38.6

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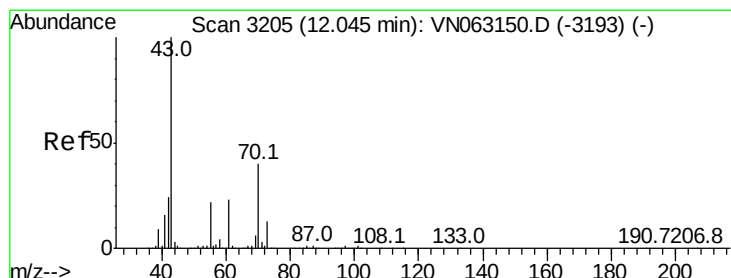
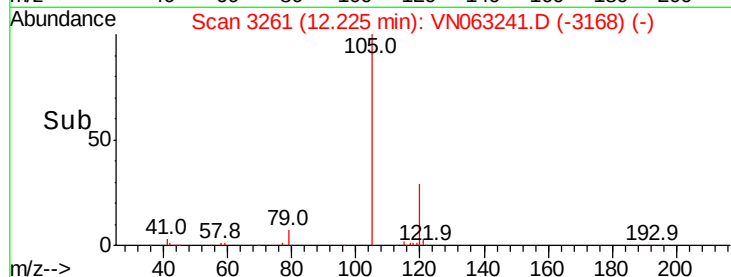
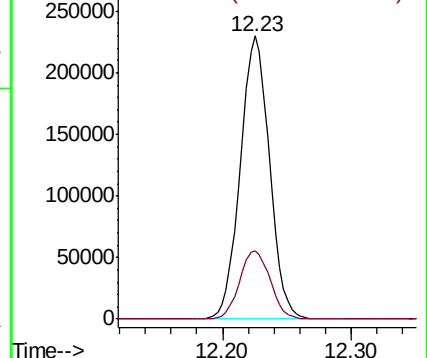
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.974 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Tgt Ion: 43 Resp: 140400

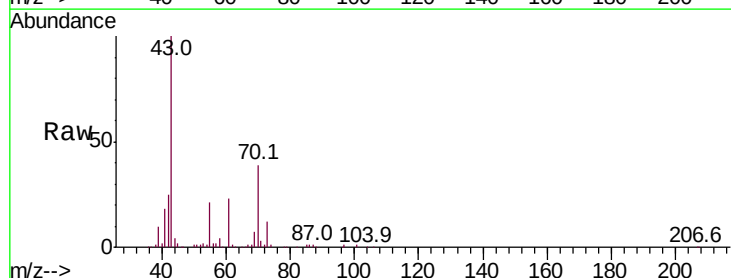
Ion Ratio Lower Upper

43 100

70 37.3 32.1 48.1

55 21.5 17.4 26.0

61 22.2 18.6 27.8

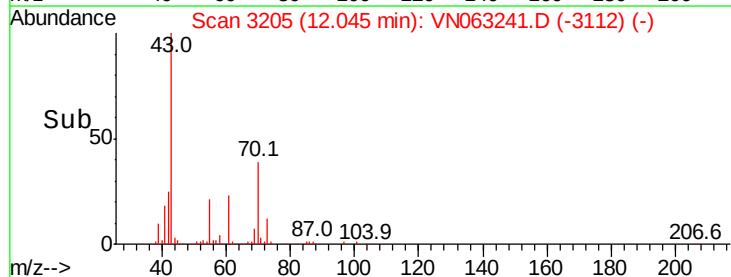
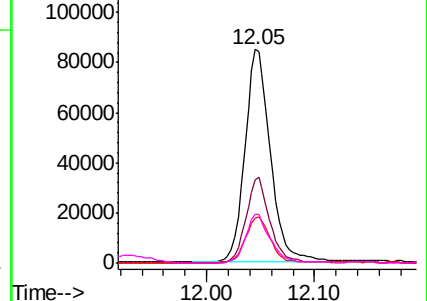


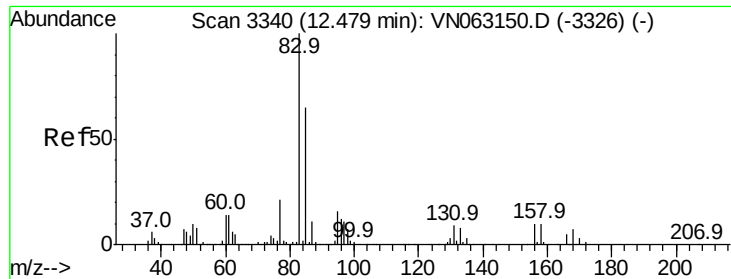
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.125 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

Tot Ion: 83 Resp: 103977

Ion Ratio Lower Upper

83 100

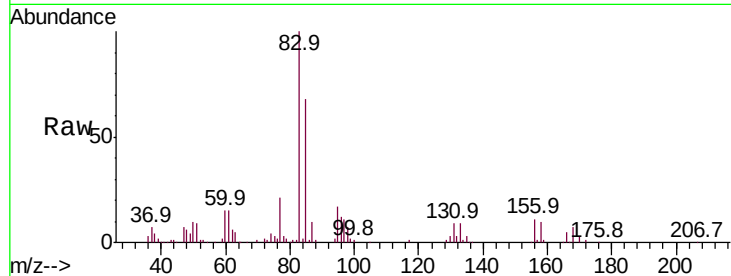
131 8.9 4.7 14.0

85 66.3 32.7 98.1

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN063241.D (-3247) (-)

Ion 130.80 (130.50 to 131.50): VN063241.D (-3247) (-)

Ion 84.90 (84.60 to 85.60): VN063241.D (-3247) (-)

12.48

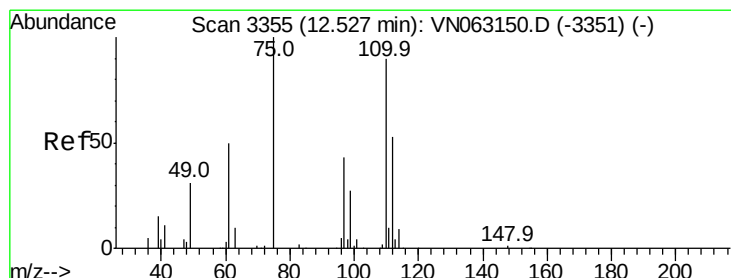
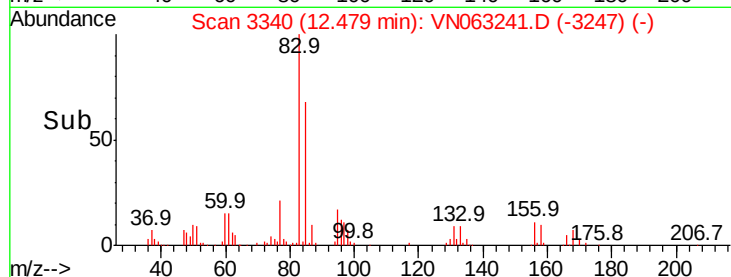
60000

40000

20000

0

Time--> 12.40 12.45 12.50



#76

1,2,3-Trichloropropane

Concen: 18.740 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063241.D

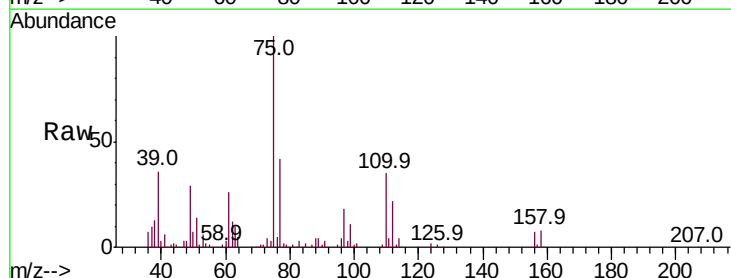
Acq: 4 Sep 2020 12:37

Tgt Ion: 75 Resp: 90531

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063241.D (-3262) (-)

Ion 77.00 (76.70 to 77.70): VN063241.D (-3262) (-)

100000

80000

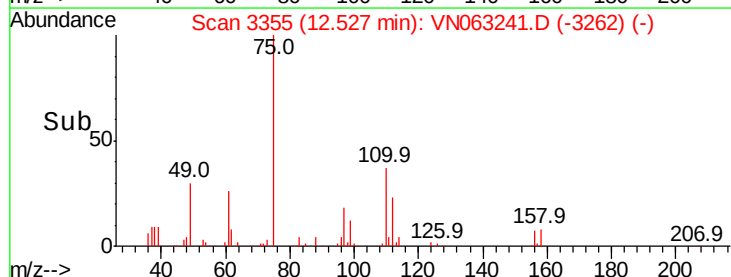
60000

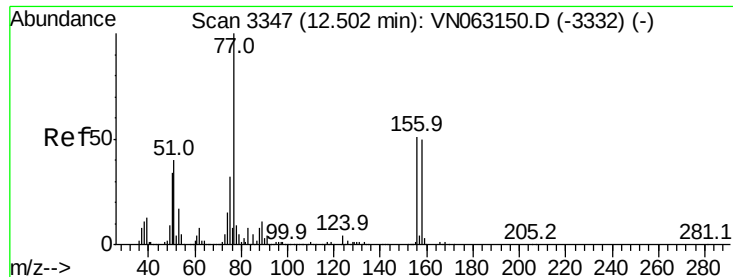
40000

20000

0

Time--> 12.50 12.55





#77

Bromobenzene

Concen: 19.032 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

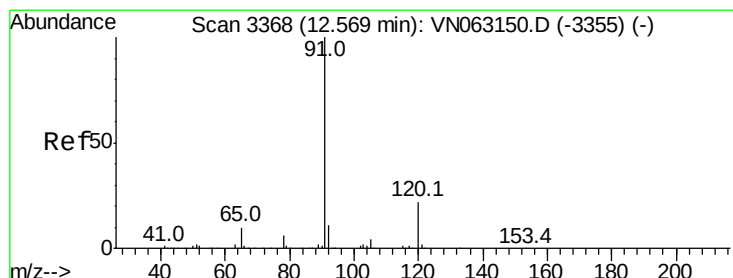
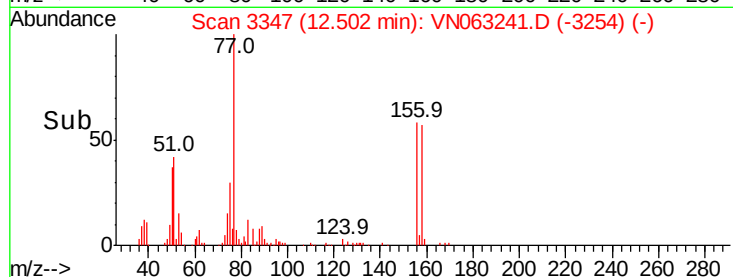
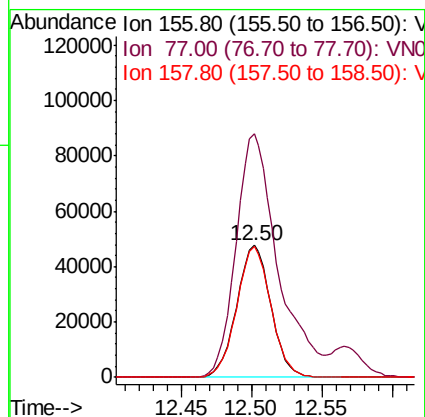
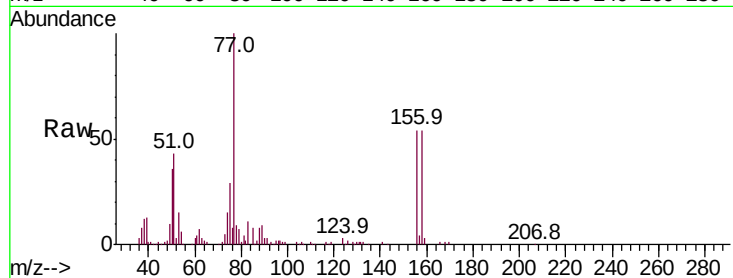
ClientSampleId :

VN0904MBS01

Tot Ion:	156	Resp:	81167
Ion	Ratio	Lower	Upper
156	100		
77	226.9	116.1	348.3
158	98.9	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 19.225 ug/l

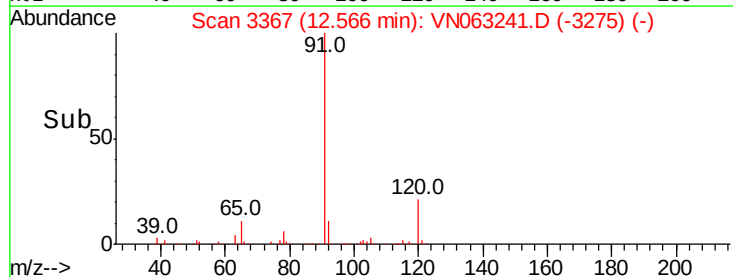
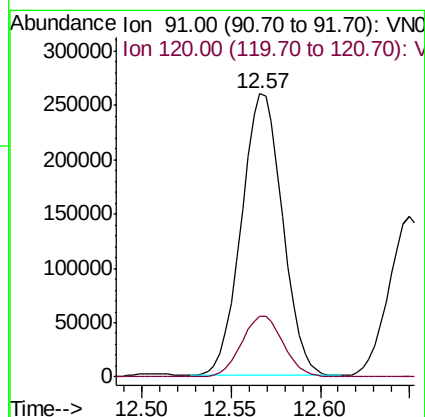
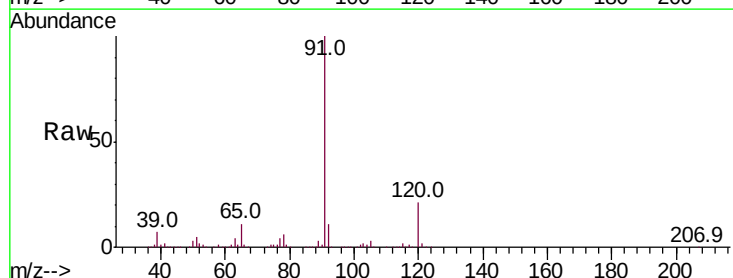
RT: 12.57 min Scan# 3367

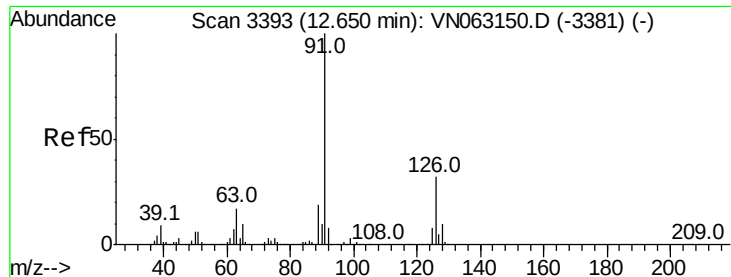
Delta R.T. -0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Tgt Ion:	91	Resp:	419516
Ion	Ratio	Lower	Upper
91	100		
120	21.8	10.9	32.7





#79

2-Chlorotoluene

Concen: 18.664 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

Tot Ion: 91 Resp: 243938

Ion Ratio Lower Upper

91 100

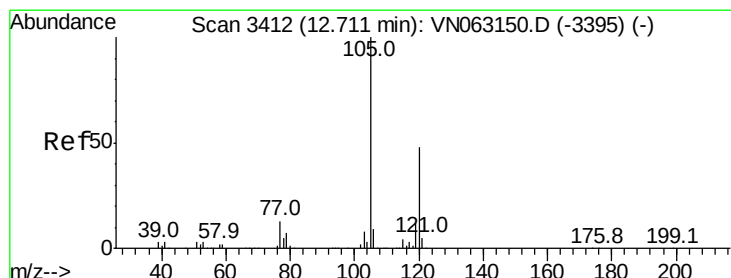
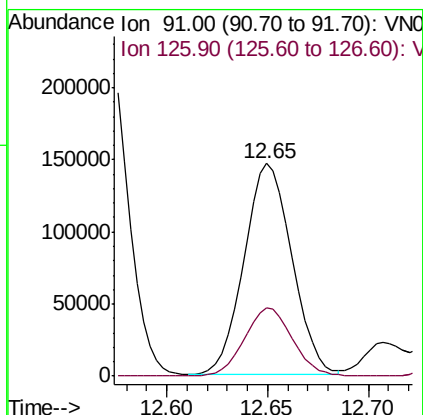
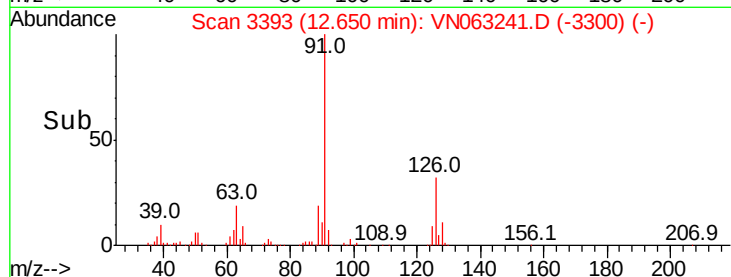
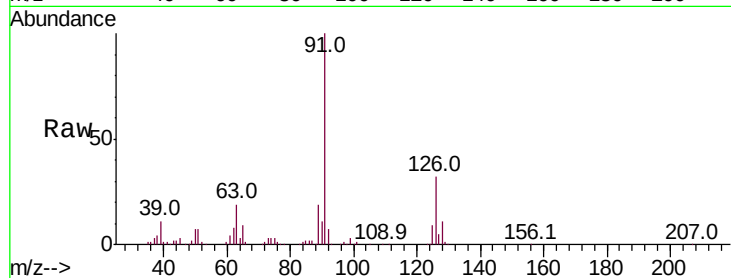
126 32.4 16.1 48.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 18.960 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN063241.D

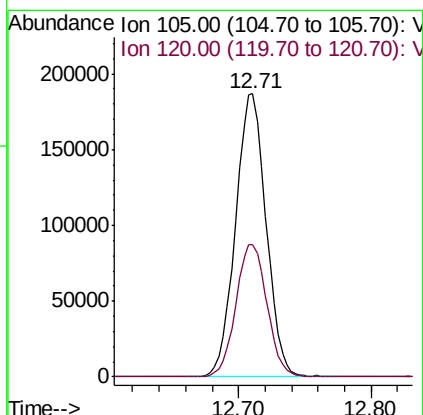
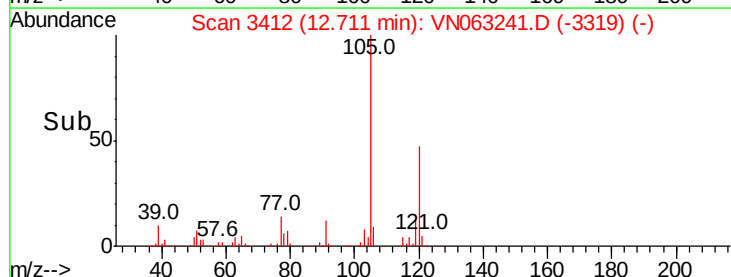
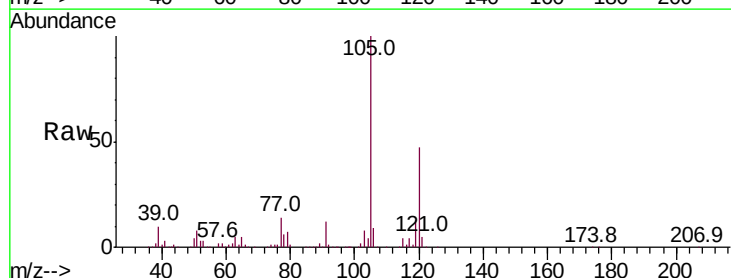
Acq: 4 Sep 2020 12:37

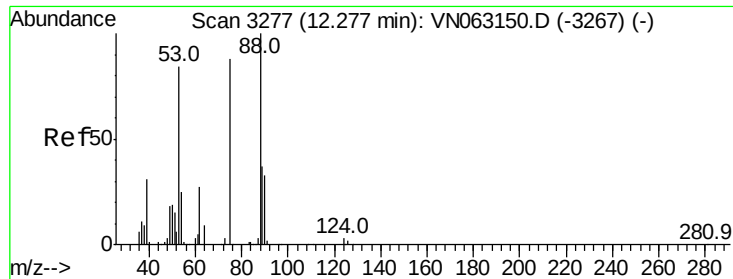
Tgt Ion: 105 Resp: 297603

Ion Ratio Lower Upper

105 100

120 47.9 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 16.286 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

Tot Ion: 75 Resp: 32550

Ion Ratio Lower Upper

75 100

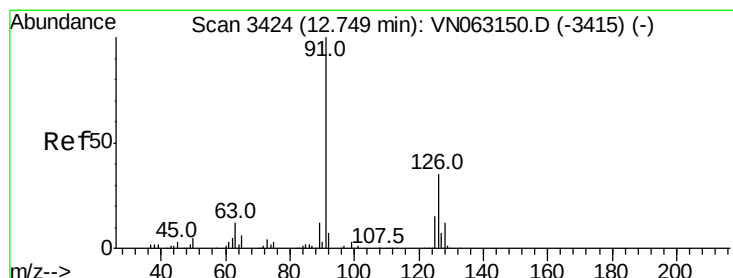
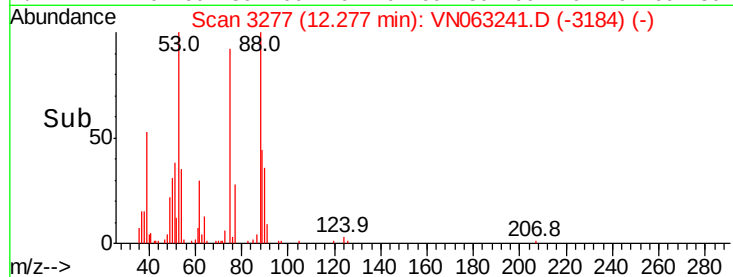
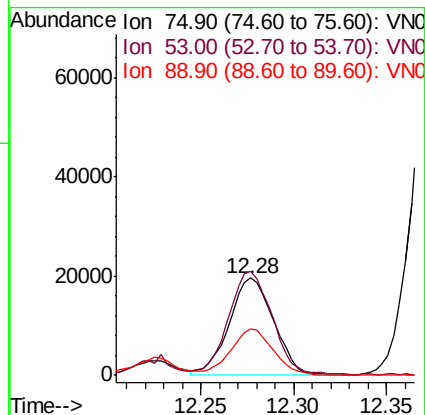
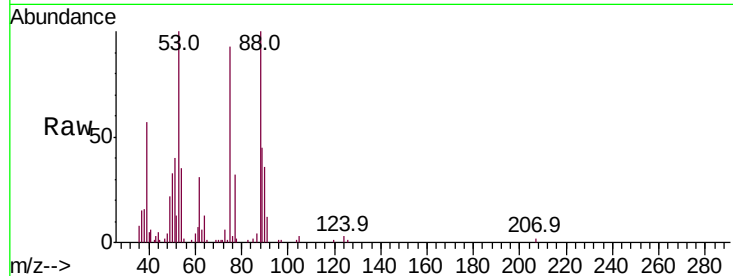
53 104.8 78.7 118.1

89 47.1 35.3 52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.234 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063241.D

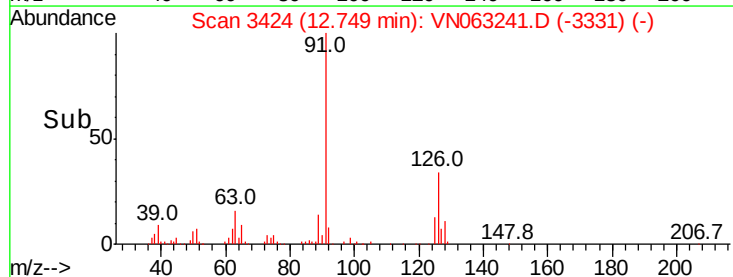
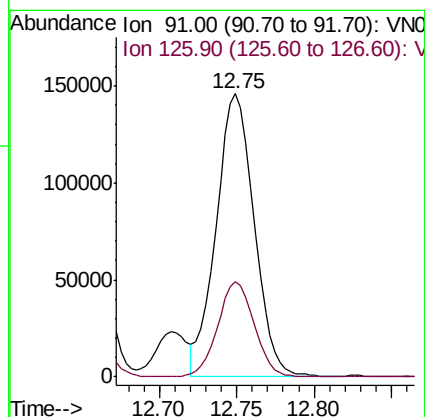
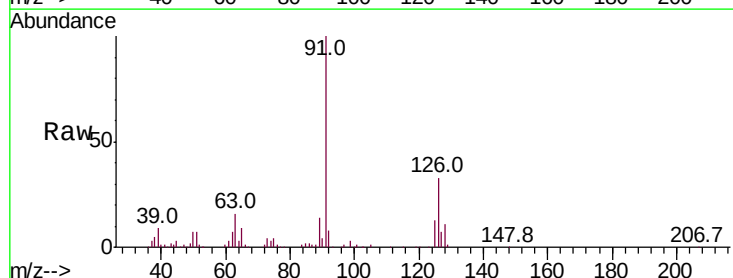
Acq: 4 Sep 2020 12:37

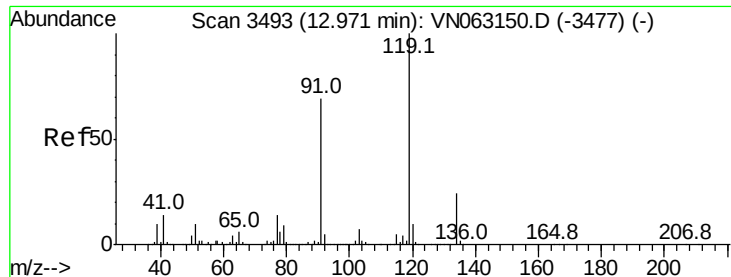
Tgt Ion: 91 Resp: 247163

Ion Ratio Lower Upper

91 100

126 32.2 16.2 48.5





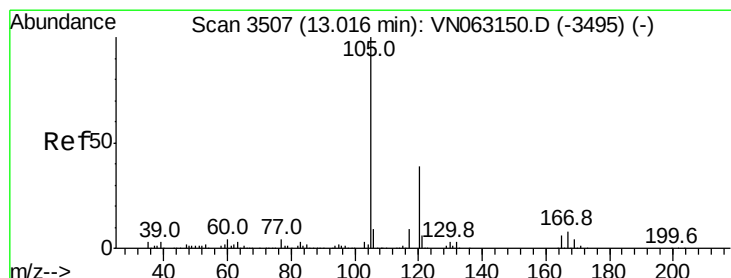
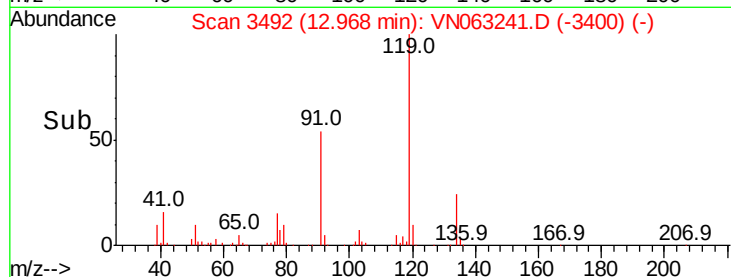
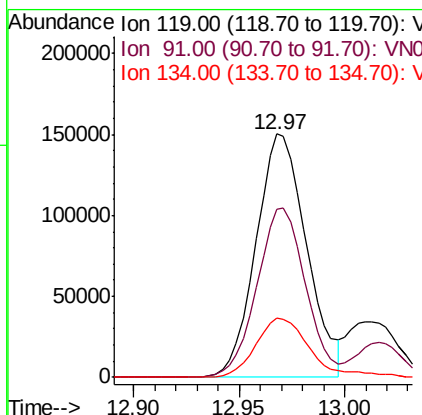
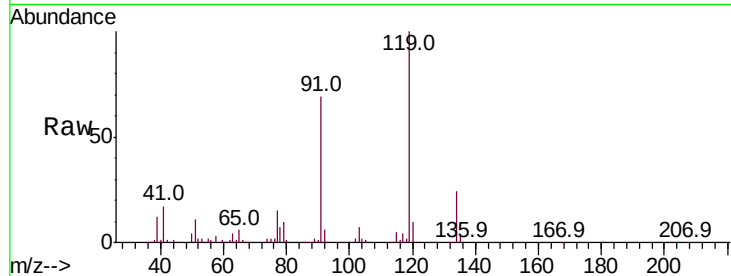
#83
 tert-Butylbenzene
 Concen: 18.650 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.8	33.7	101.0
134	26.2	12.0	36.0

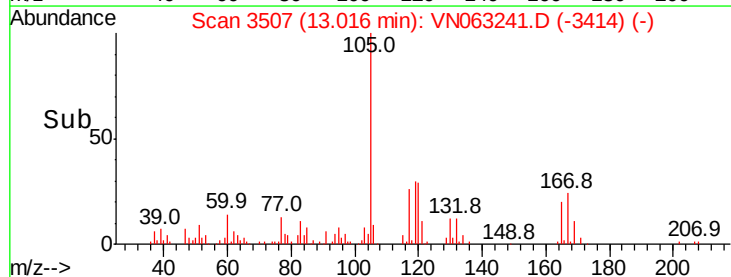
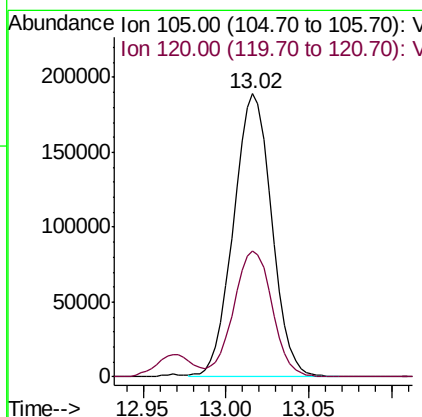
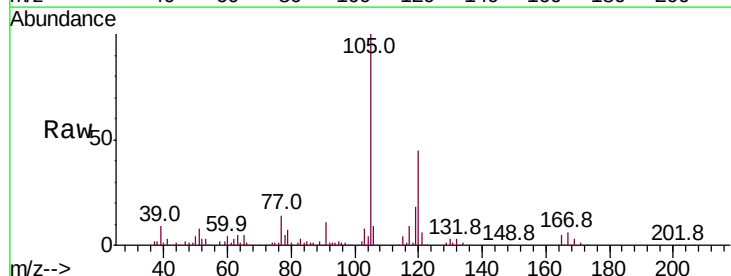
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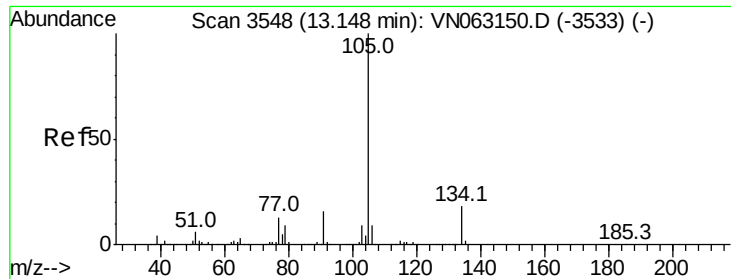
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.012 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.7





#85

sec-Butylbenzene

Concen: 19.412 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904MBS01

Tot Ion:105 Resp: 340576

Ion Ratio Lower Upper

105 100

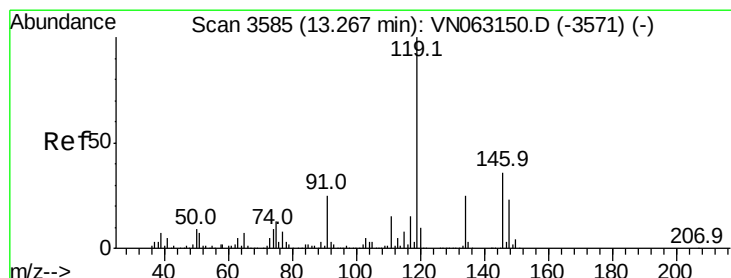
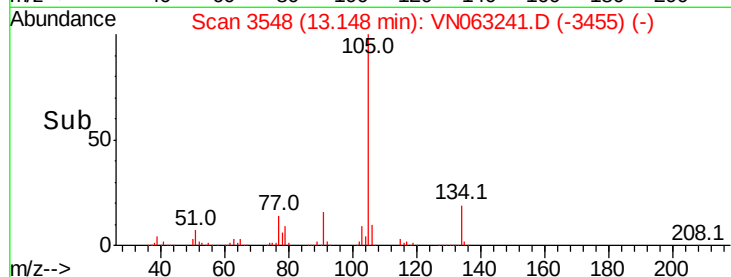
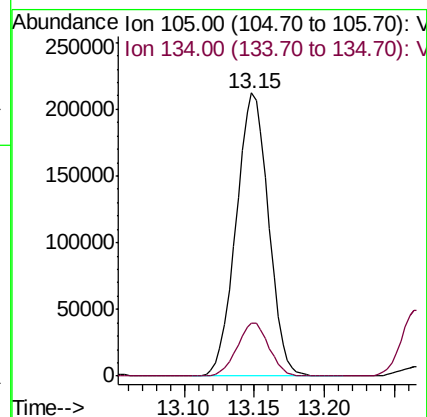
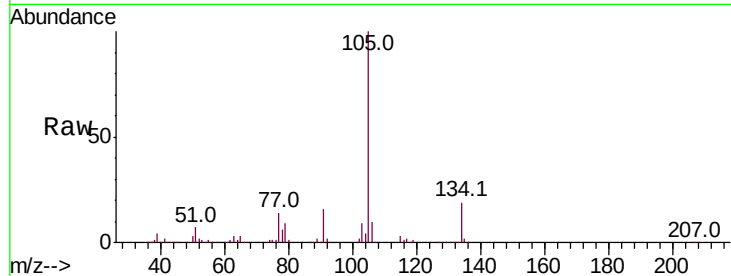
134 18.6 9.4 28.3

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#86

p-Isopropyltoluene

Concen: 19.443 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

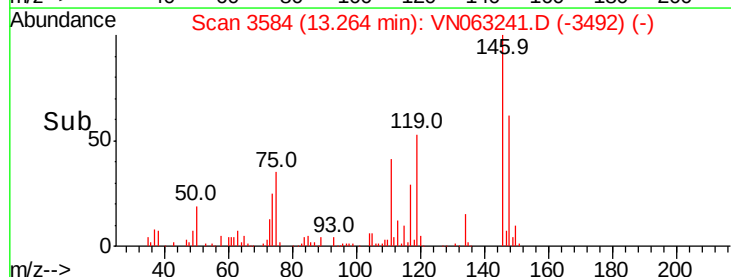
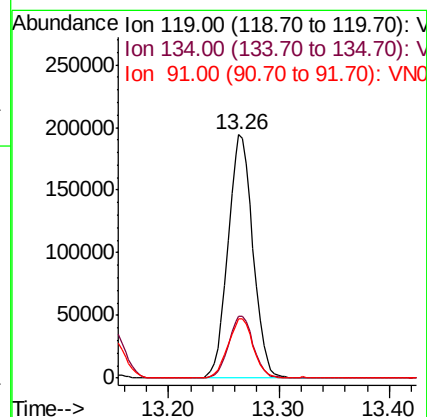
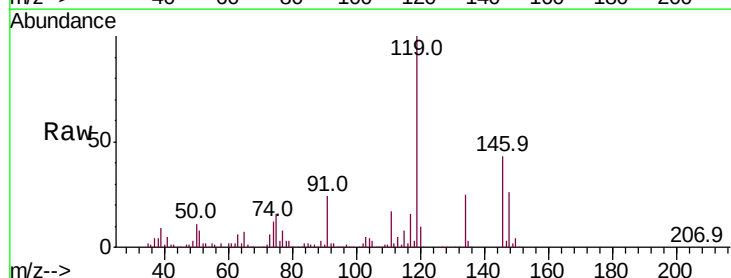
Tgt Ion:119 Resp: 302847

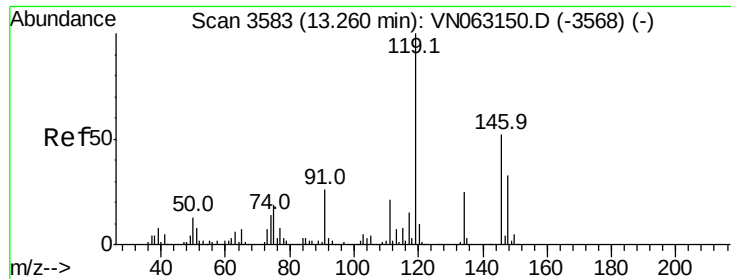
Ion Ratio Lower Upper

119 100

134 25.5 12.4 37.4

91 24.5 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 19.504 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN063241.D

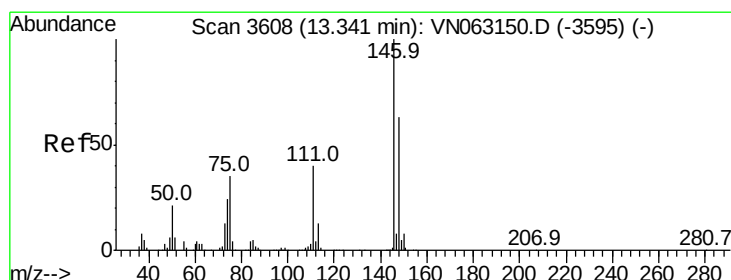
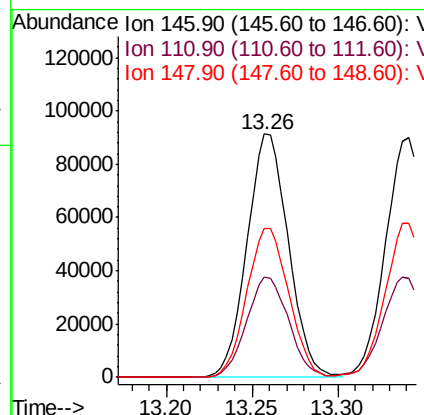
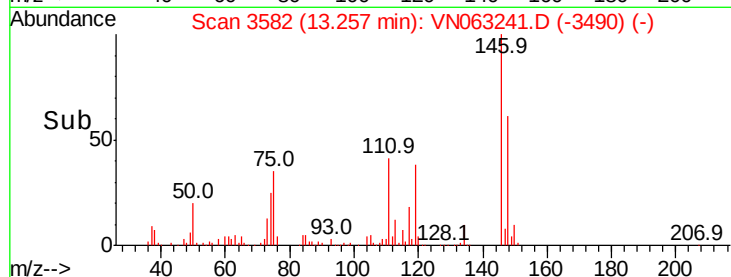
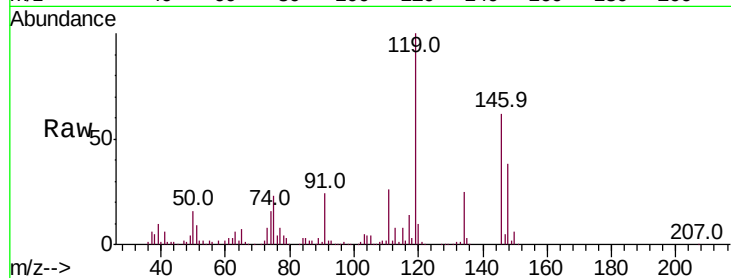
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	152809		
111	41.9	21.3	63.7	
148	62.2	31.9	95.9	

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#88

1,4-Dichlorobenzene

Concen: 18.285 ug/l

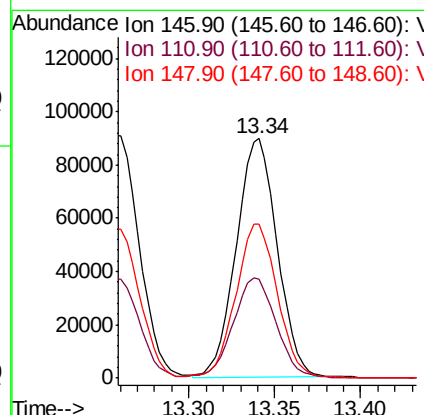
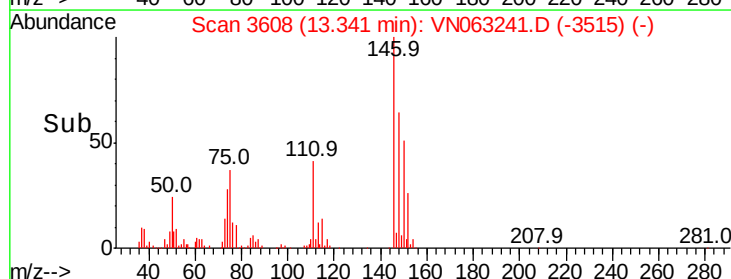
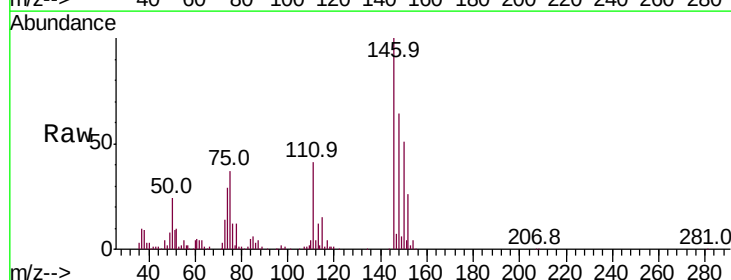
RT: 13.34 min Scan# 3608

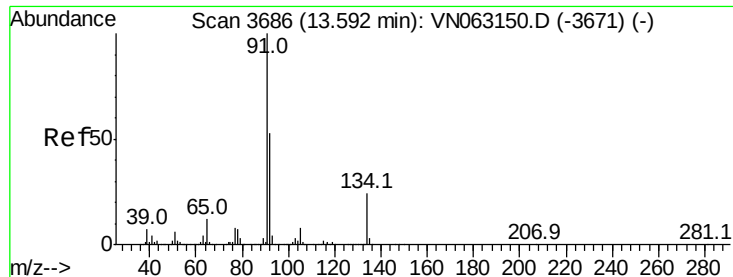
Delta R.T. 0.00 min

Lab File: VN063241.D

Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	148340		
111	44.4	20.5	61.5	
148	65.1	31.9	95.7	





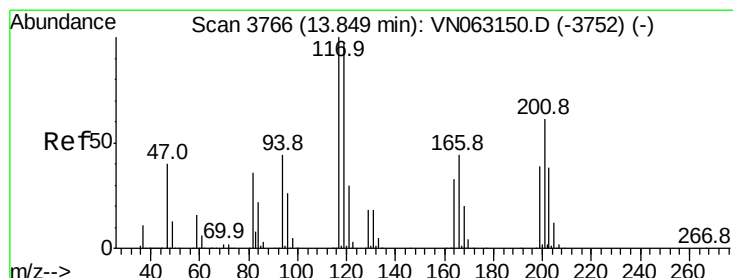
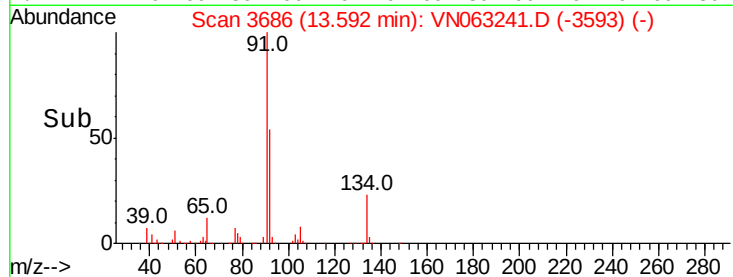
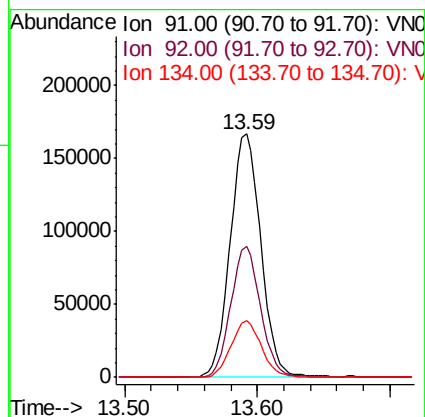
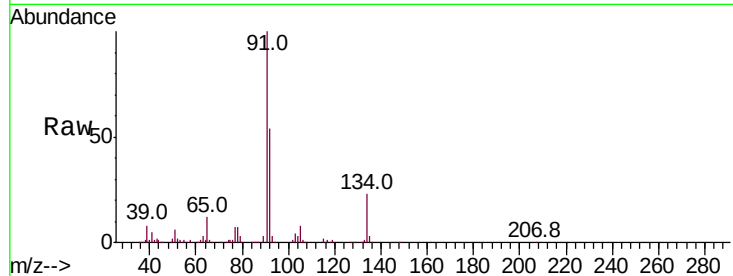
#89
n-Butylbenzene
Concen: 18.655 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

Tot Ion:	91	Resp:	268440
Ion Ratio	Lower	Upper	
91	100		
92	52.0	26.3	78.8
134	23.0	12.0	36.0

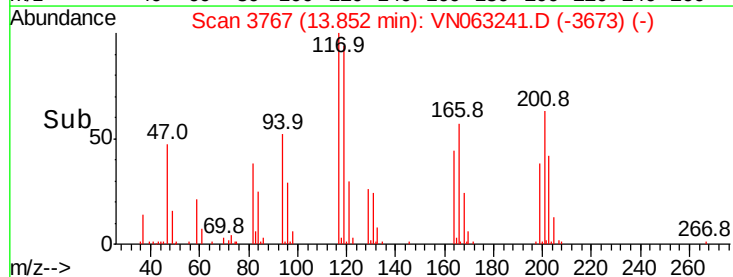
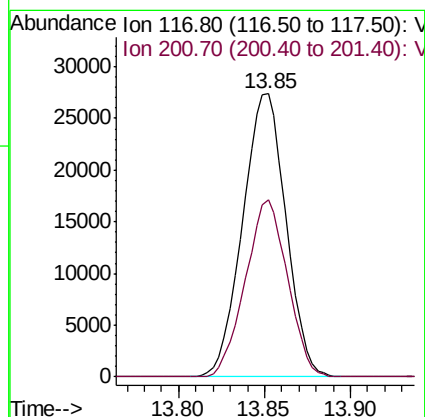
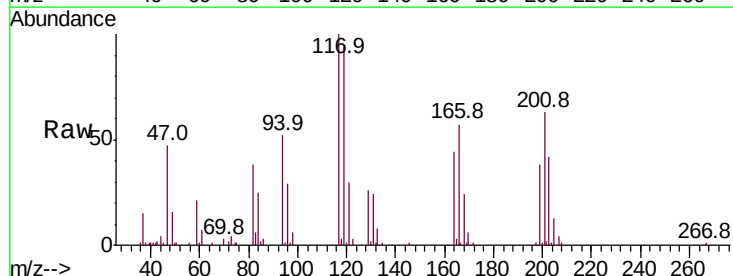
Manual Integrations
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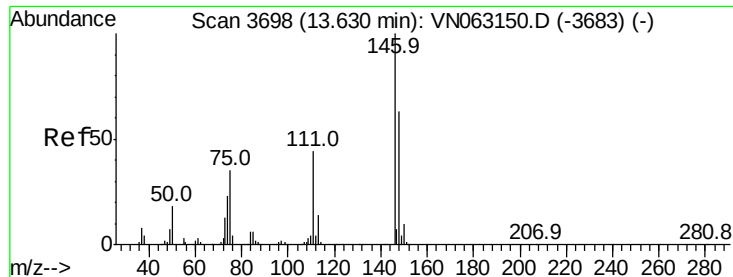
MMDadoda
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#90
Hexachloroethane
Concen: 16.618 ug/l
RT: 13.85 min Scan# 3767
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion:	117	Resp:	47915
Ion Ratio	Lower	Upper	
117	100		
201	60.6	30.6	92.0





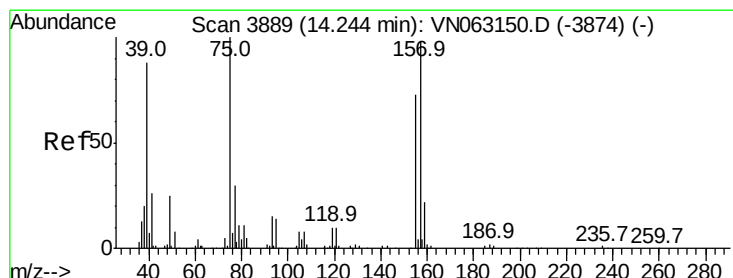
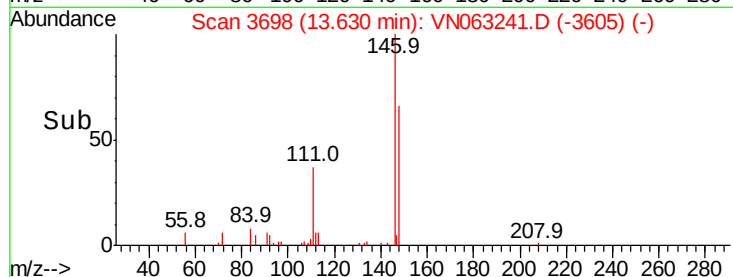
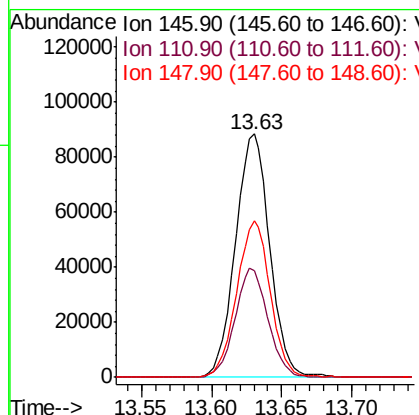
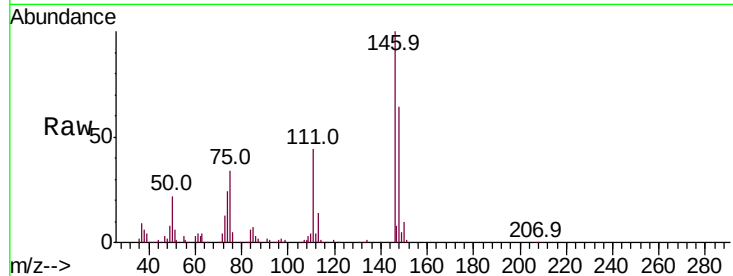
#91
 1,2-Dichlorobenzene
 Concen: 19.842 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	43.0	22.0	66.0	
148	63.4	31.6	95.0	

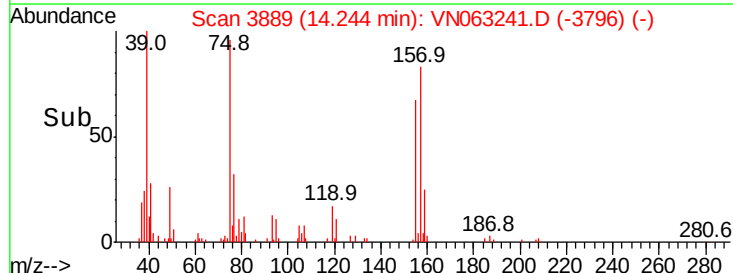
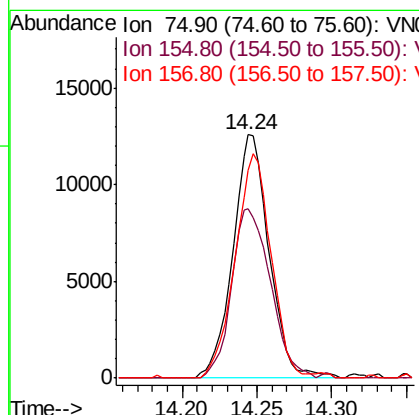
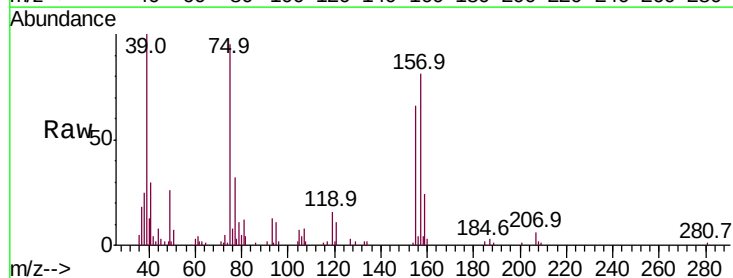
Manual Integrations
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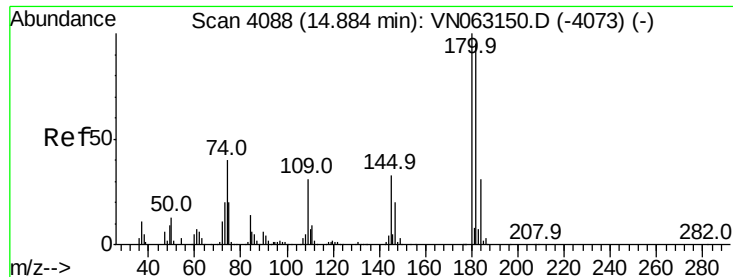
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.744 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	74.6	36.1	108.5	
157	91.3	48.4	145.0	





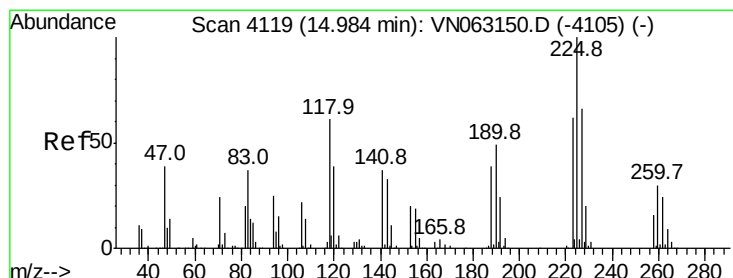
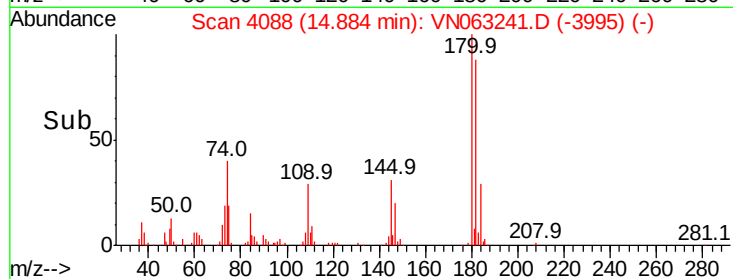
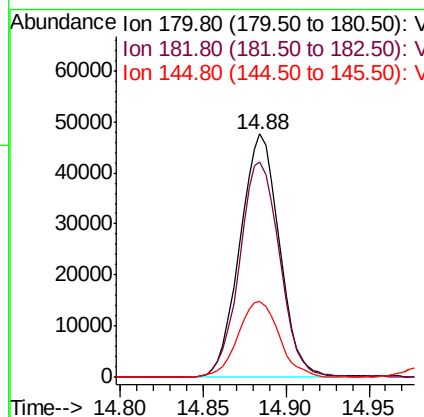
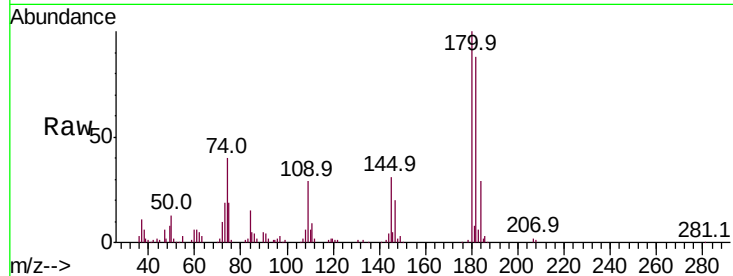
#93
 1,2,4-Trichlorobenzene
 Concen: 18.584 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904MBS01

Tot Ion:	180	Resp:	78937
Ion Ratio	Lower	Upper	
180	100		
182	90.3	47.5	142.5
145	32.7	16.6	49.8

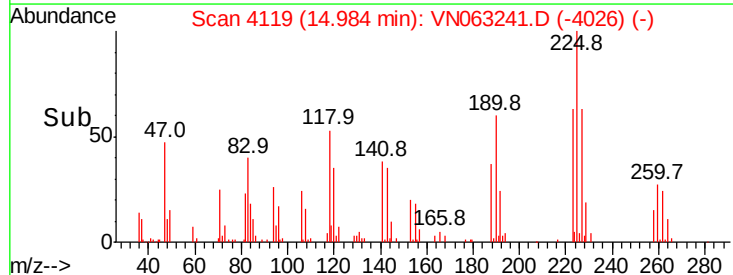
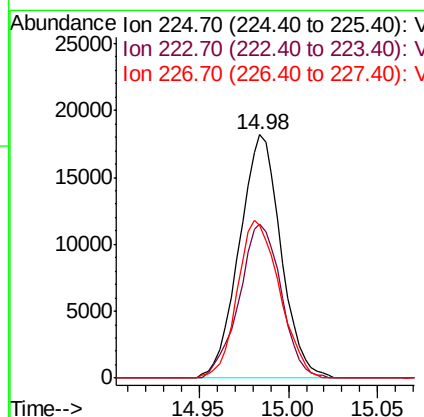
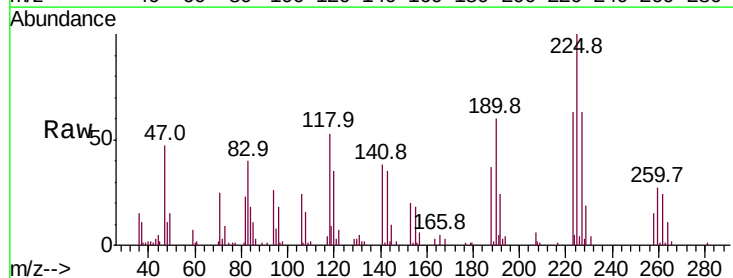
Manual Integrations
 APPROVED

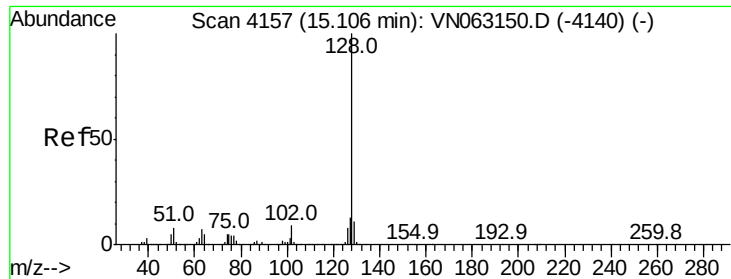
MMDadoda
 9/8/2020 5:34:34 PM



#94
 Hexachlorobutadiene
 Concen: 18.614 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063241.D
 Acq: 4 Sep 2020 12:37

Tgt Ion:	225	Resp:	29536
Ion Ratio	Lower	Upper	
225	100		
223	63.9	30.9	92.7
227	65.5	32.9	98.7





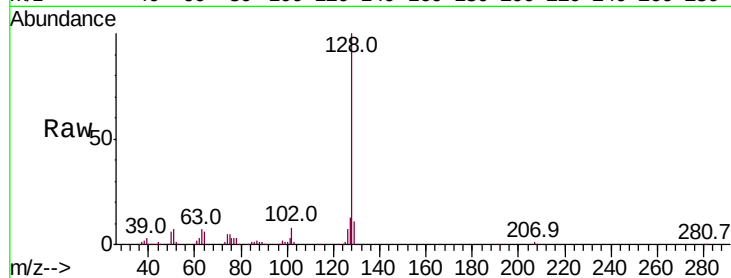
#95
Naphthalene
Concen: 17.514 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904MBS01

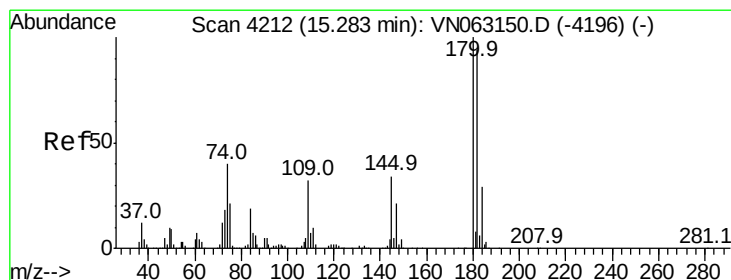
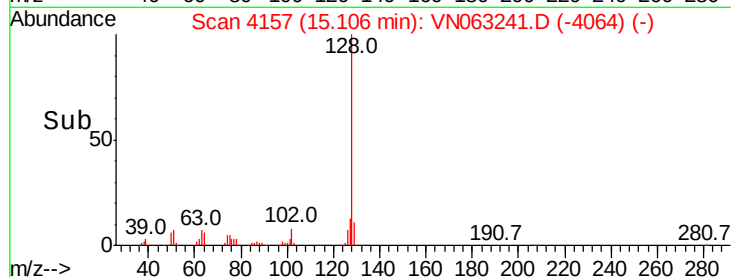
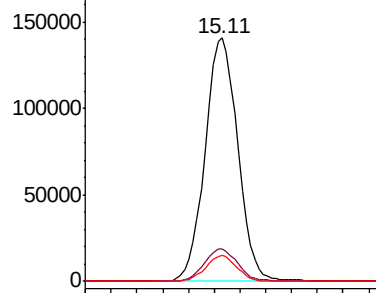
Tot Ion	Ratio	Resp	Lower	Upper
128	100	248205		
127	13.6		10.5	15.7
129	10.2		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/8/2020 5:34:34 PM

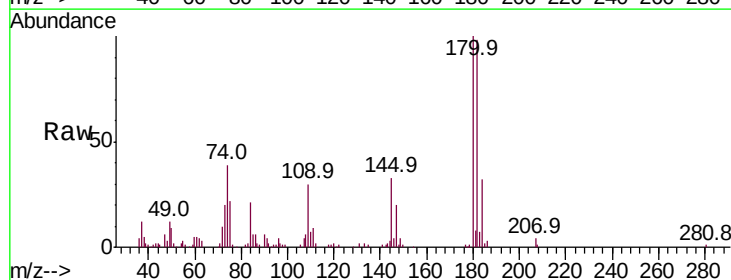


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.278 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN063241.D
Acq: 4 Sep 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	75641		
182	96.1		47.5	142.5
145	33.3		17.3	52.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

