

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063743.D
 Acq On : 30 Sep 2020 12:00
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

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 10/1/2020 2:40:22 PM

Quant Time: Sep 30 12:20:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 30 11:35:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	277976	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	461793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	440885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	232390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	719881	152.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.84%	
35) Dibromofluoromethane	7.55	113	507424	158.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.42%	
50) Toluene-d8	10.06	98	1946470	162.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	324.60%	
62) 4-Bromofluorobenzene	12.38	95	770628	174.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	348.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	428572	139.009	ug/l	100
3) Chloromethane	2.04	50	489815	121.827	ug/l	100
4) Vinyl Chloride	2.16	62	490313	136.272	ug/l	100
5) Bromomethane	2.51	94	331017	153.014	ug/l	96
6) Chloroethane	2.66	64	307151	137.553	ug/l	99
7) Trichlorofluoromethane	2.98	101	787266	144.475	ug/l	98
8) Diethyl Ether	3.37	74	281507	135.251	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	420425	138.233	ug/l	99
10) Methyl Iodide	3.91	142	579118	148.508	ug/l	100
11) Tert butyl alcohol	4.73	59	405257	647.407	ug/l	100
12) 1,1-Dichloroethene	3.70	96	404479	132.700	ug/l	100
13) Acrolein	3.56	56	248402	971.197	ug/l	99
14) Allyl chloride	4.28	41	805825	134.685	ug/l	98
15) Acrylonitrile	4.93	53	1145458	705.319	ug/l	99
16) Acetone	3.77	43	1035279	688.428	ug/l	98
17) Carbon Disulfide	4.01	76	1152375	130.912	ug/l	99
18) Methyl Acetate	4.27	43	564286	148.669	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	1577725	138.127	ug/l	99
20) Methylene Chloride	4.50	84	488040	129.432	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	457430	135.080	ug/l	99
22) Diisopropyl ether	5.90	45	1716295	139.163	ug/l	97
23) Vinyl Acetate	5.84	43	7190052	711.753	ug/l	99
24) 1,1-Dichloroethane	5.80	63	910527	135.183	ug/l	98
25) 2-Butanone	6.78	43	1641950	718.907	ug/l	99
26) 2,2-Dichloropropane	6.78	77	829488	138.686	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	541928	141.323	ug/l	99
28) Bromochloromethane	7.15	49	507772	159.822	ug/l	99
29) Tetrahydrofuran	7.16	42	1079535	692.497	ug/l	99
30) Chloroform	7.33	83	967239	142.153	ug/l	97
31) Cyclohexane	7.61	56	775320	123.567	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	905035	148.558	ug/l	98
36) 1,1-Dichloropropene	7.75	75	711893	146.895	ug/l	100
37) Ethyl Acetate	6.88	43	705388	148.912	ug/l	99
38) Carbon Tetrachloride	7.73	117	781032	156.314	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed Sep 30 11:35:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	736923	141.325	ug/l	96
40) Benzene	8.00	78	2000662	144.622	ug/l	100
41) Methacrylonitrile	7.13	41	330766	152.467	ug/l	92
42) 1,2-Dichloroethane	8.08	62	848409	151.071	ug/l	100
43) Isopropyl Acetate	8.13	43	1245948	146.754	ug/l	99
44) Trichloroethene	8.80	130	516568	152.128	ug/l	99
45) 1,2-Dichloropropane	9.08	63	541988	144.062	ug/l	99
46) Dibromomethane	9.17	93	376542	151.444	ug/l	99
47) Bromodichloromethane	9.37	83	805916	155.257	ug/l	100
48) Methyl methacrylate	9.17	41	626794	150.837	ug/l	97
49) 1,4-Dioxane	9.17	88	166704	2807.938	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	3629311	757.496	ug/l	98
52) Toluene	10.13	92	1312087	157.051	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	911647	158.210	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	930387	153.594	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	515536	154.548	ug/l	98
56) Ethyl methacrylate	10.40	69	816827	158.528	ug/l	98
57) 1,3-Dichloropropane	10.68	76	884362	147.891	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	2120005	777.209	ug/l	100
59) 2-Hexanone	10.72	43	2759713	794.680	ug/l	99
60) Dibromochloromethane	10.87	129	632136	167.530	ug/l	99
61) 1,2-Dibromoethane	10.98	107	551924	159.437	ug/l	99
64) Tetrachloroethene	10.60	164	475366	157.113	ug/l	99
65) Chlorobenzene	11.41	112	1372550	148.697	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	545181	159.773	ug/l	99
67) Ethyl Benzene	11.48	91	2589924	148.975	ug/l	99
68) m/p-Xylenes	11.60	106	1946018	309.641	ug/l	98
69) o-Xylene	11.92	106	931459	156.060	ug/l	100
70) Styrene	11.94	104	1651380	164.942	ug/l	100
71) Bromoform	12.10	173	449022	176.093	ug/l #	98
73) Isopropylbenzene	12.23	105	2555034	139.447	ug/l	99
74) N-amyl acetate	12.05	43	1231941	143.664	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	762401	134.401	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	792904m	140.194	ug/l	
77) Bromobenzene	12.50	156	619375	148.751	ug/l	99
78) n-propylbenzene	12.57	91	2974101	139.649	ug/l	99
79) 2-Chlorotoluene	12.65	91	1799240	140.573	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	2203752	144.605	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	294706	143.654	ug/l	97
82) 4-Chlorotoluene	12.75	91	1932611	142.745	ug/l	99
83) tert-Butylbenzene	12.97	119	1808817	143.572	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	2261600	146.609	ug/l	98
85) sec-Butylbenzene	13.15	105	2371860	140.962	ug/l	100
86) p-Isopropyltoluene	13.26	119	2191495	147.561	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	1152828	149.756	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1156233	148.465	ug/l	99
89) n-Butylbenzene	13.59	91	1978309	145.155	ug/l	99
90) Hexachloroethane	13.85	117	413858	145.753	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	1125358	149.682	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	184450	137.892	ug/l	94

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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

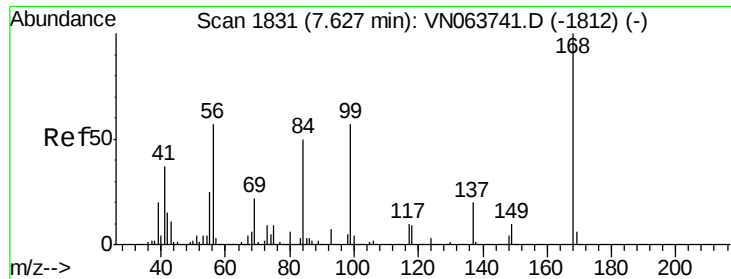
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Sep 30 11:35:29 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	630004	144.676	ug/l	99
94) Hexachlorobutadiene	14.98	225	306112	163.168	ug/l	98
95) Naphthalene	15.10	128	1955753	137.245	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	607806	144.489	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: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 277976

Ion Ratio Lower Upper

168 100

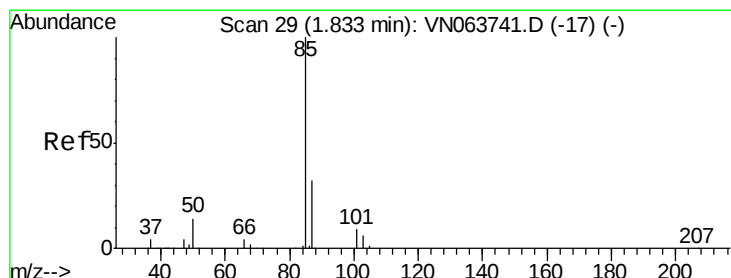
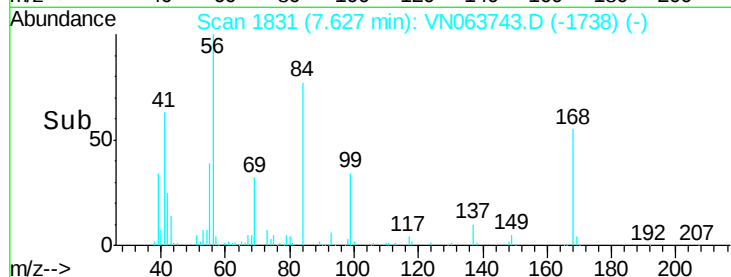
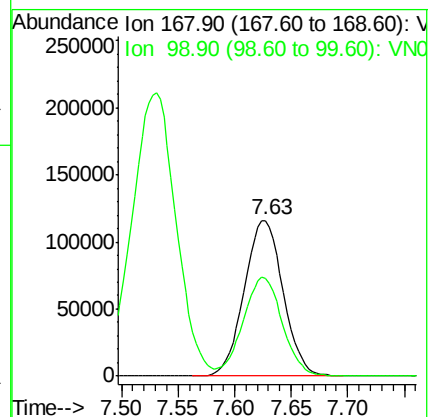
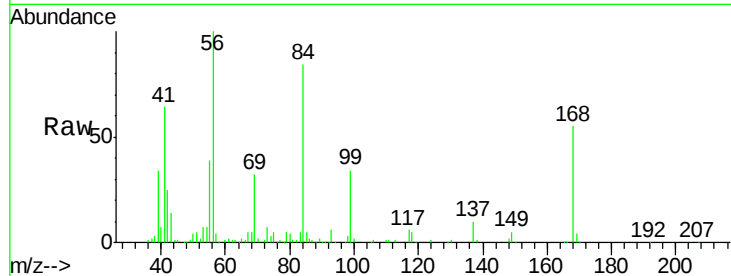
99 62.2 51.8 77.6

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#2

Dichlorodifluoromethane

Concen: 139.009 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063743.D

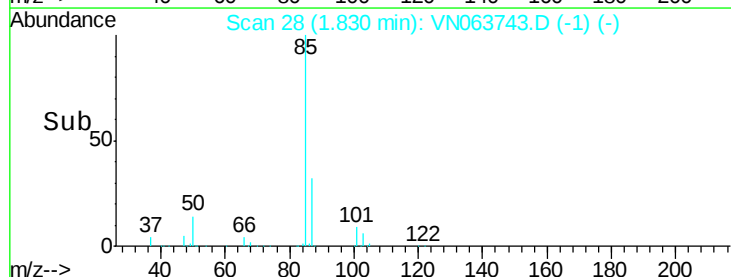
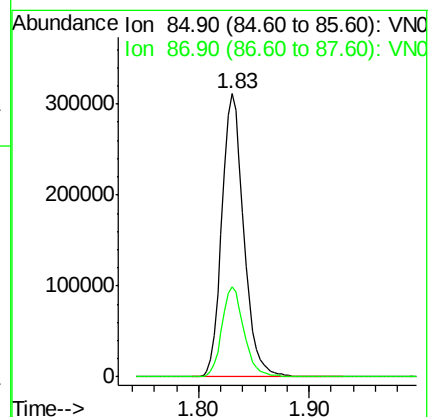
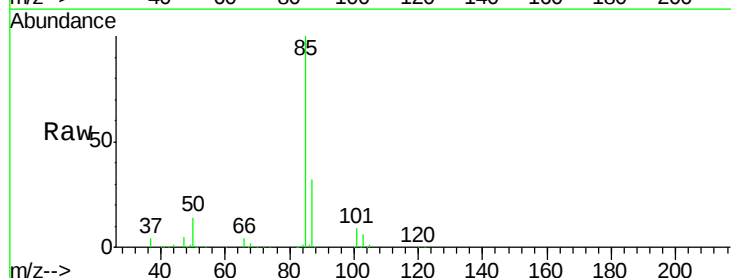
Acq: 30 Sep 2020 12:00

Tgt Ion: 85 Resp: 428572

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0





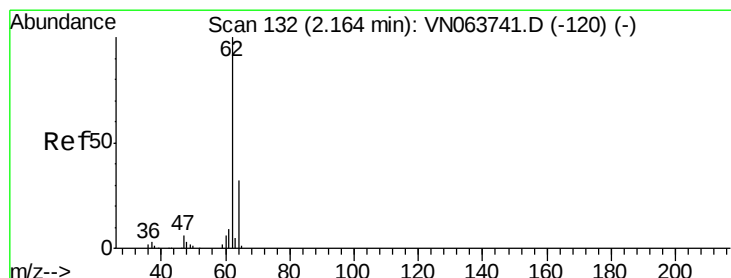
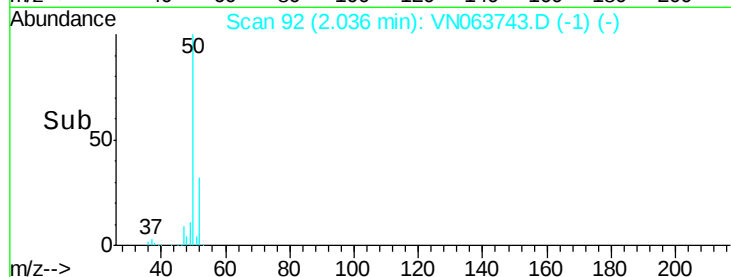
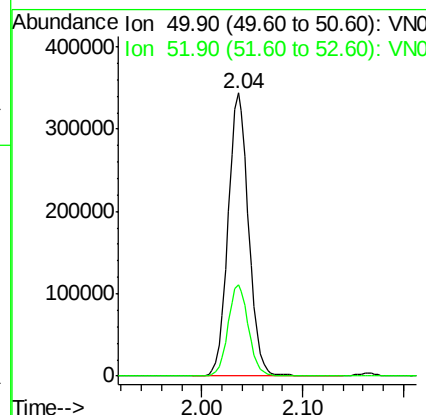
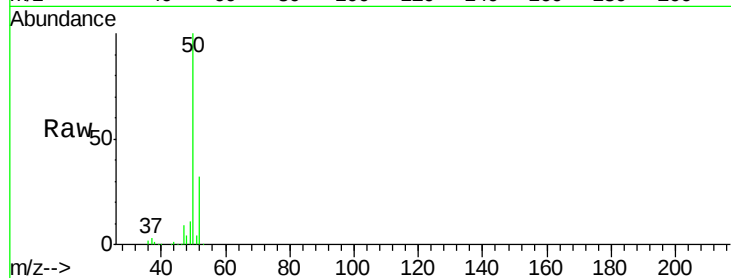
#3
Chloromethane
Concen: 121.827 ug/l
RT: 2.04 min Scan# 92
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.8	38.8

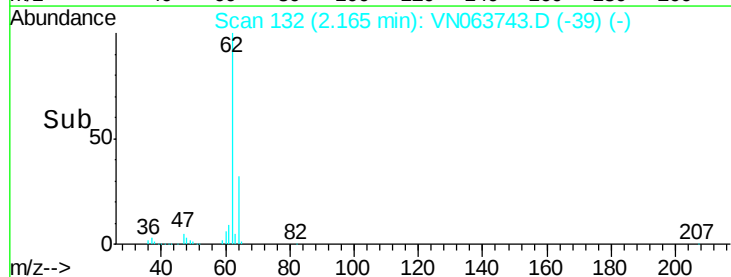
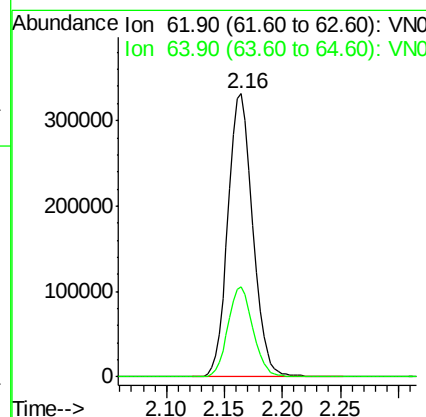
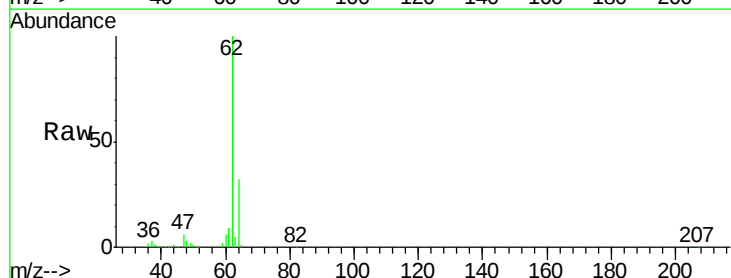
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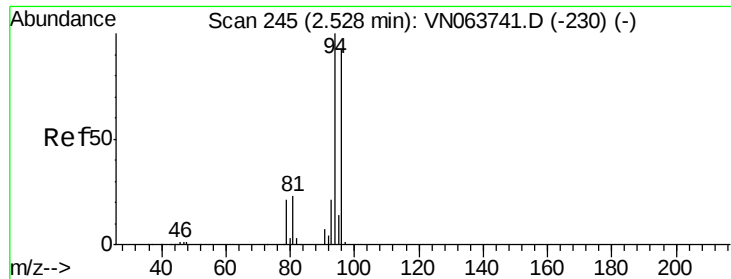
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#4
Vinyl Chloride
Concen: 136.272 ug/l
RT: 2.16 min Scan# 132
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.9	25.6	38.4





#5

Bromomethane

Concen: 153.014 ug/l

RT: 2.51 min Scan# 239

Delta R.T. -0.02 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 331017

Ion Ratio Lower Upper

94 100

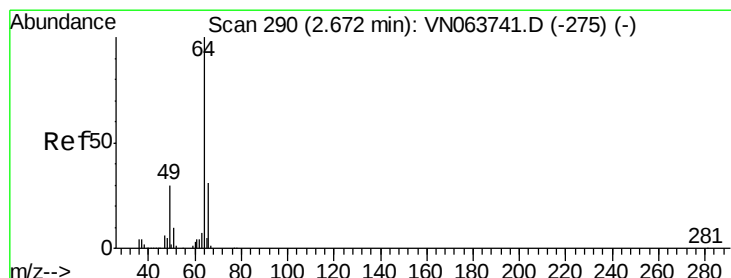
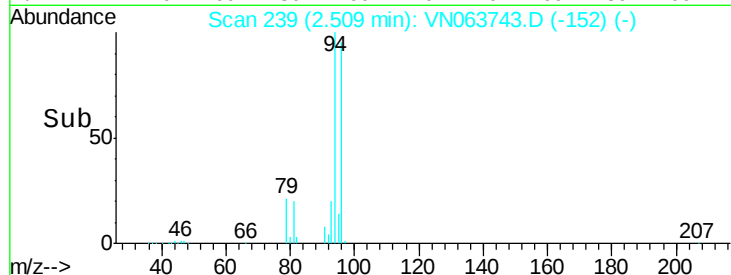
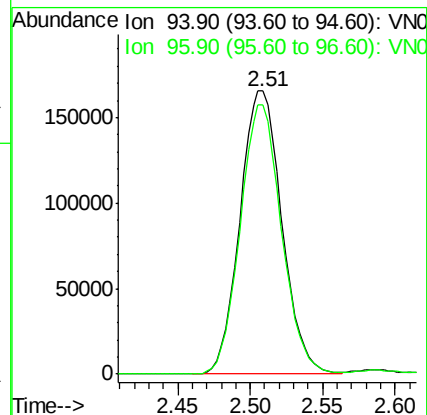
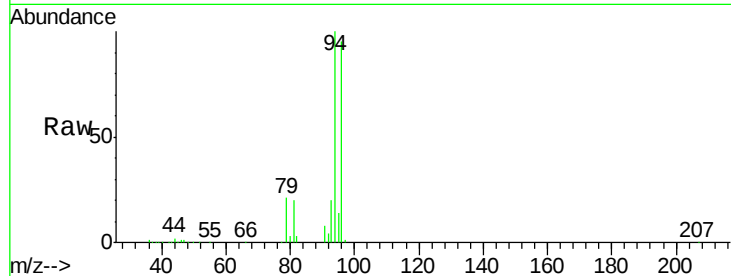
96 95.0 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 137.553 ug/l

RT: 2.66 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN063743.D

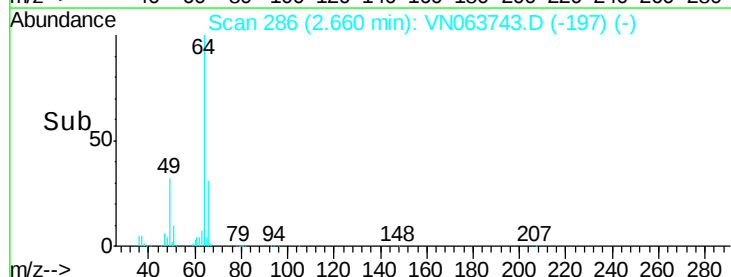
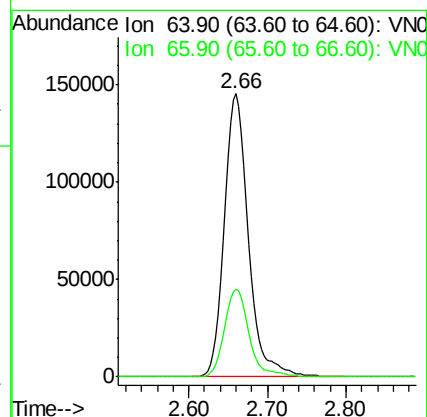
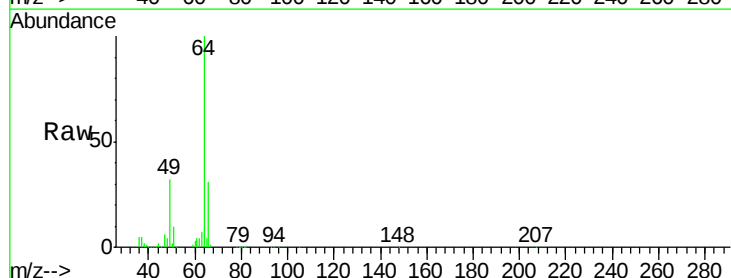
Acq: 30 Sep 2020 12:00

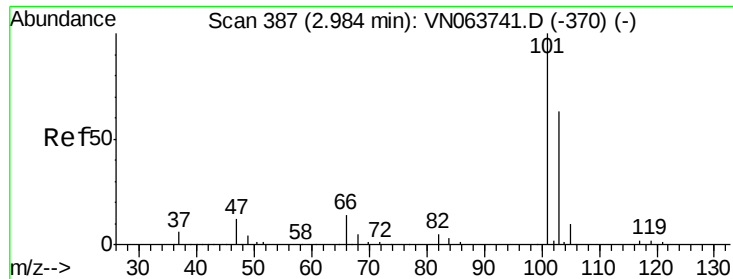
Tgt Ion: 64 Resp: 307151

Ion Ratio Lower Upper

64 100

66 30.8 25.1 37.7





#7

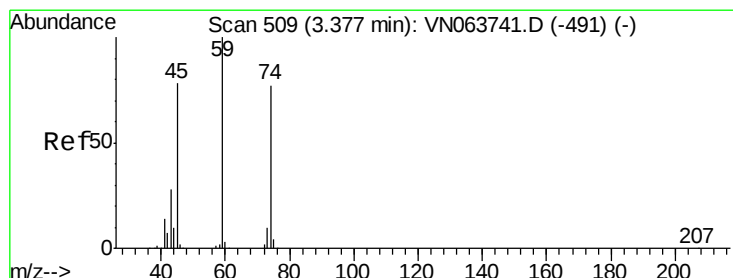
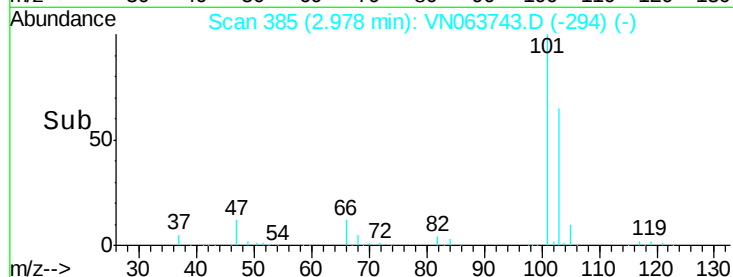
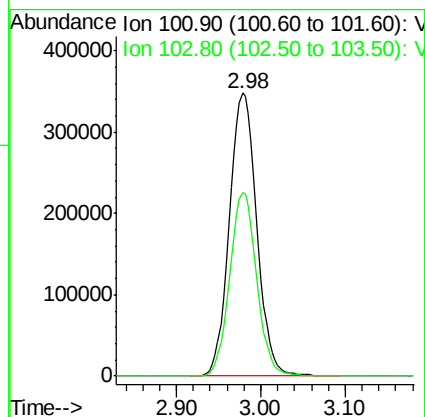
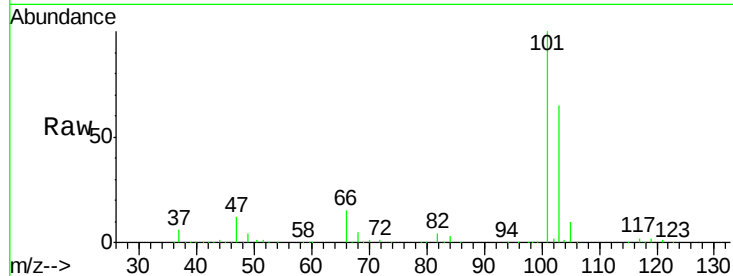
Trichlorofluoromethane
Concen: 144.475 ug/l
RT: 2.98 min Scan# 385
Delta R.T. -0.01 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		787266		
103	65.0	50.7		76.1	

Manual Integrations
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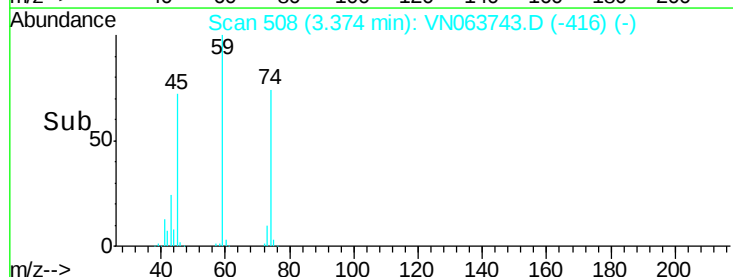
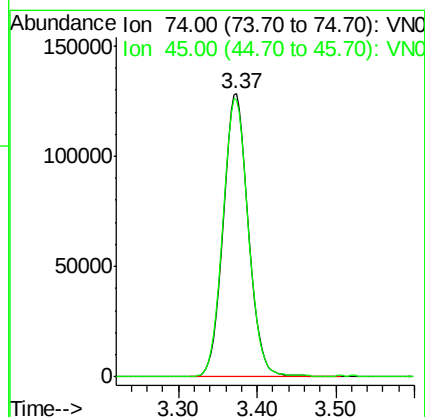
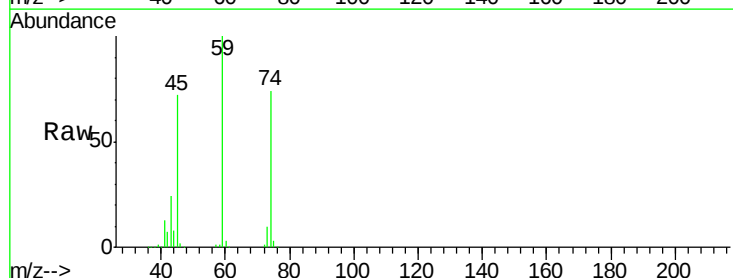
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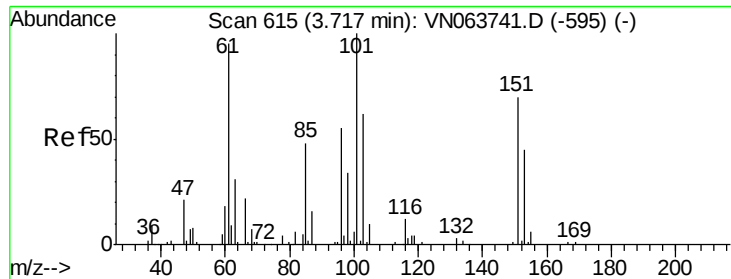


#8

Diethyl Ether
Concen: 135.251 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		281507		
45	99.6	50.9		152.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 138.233 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

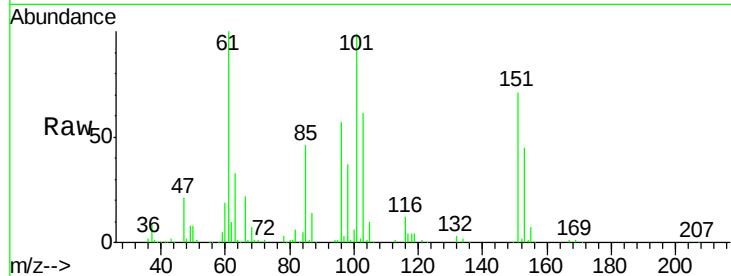
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	420425
Ion Ratio	Lower	Upper	
101	100		
85	48.1	38.6	58.0
151	74.2	58.7	88.1

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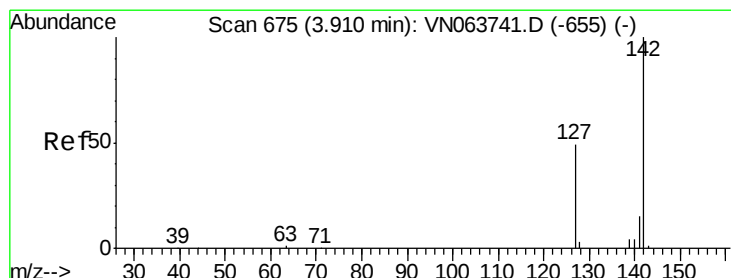
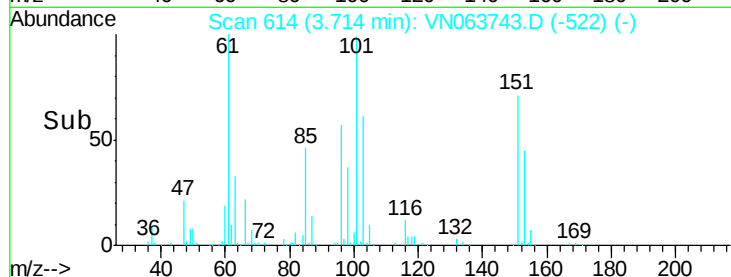
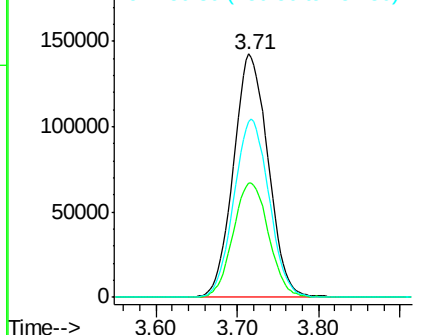
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 148.508 ug/l

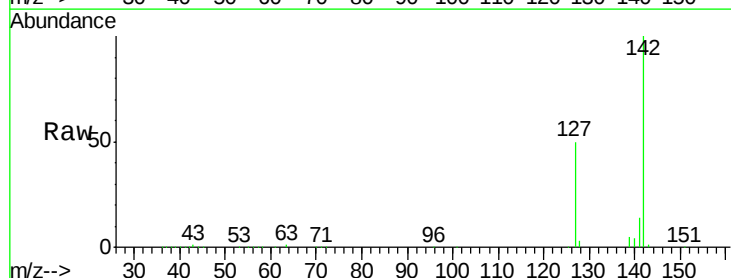
RT: 3.91 min Scan# 675

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

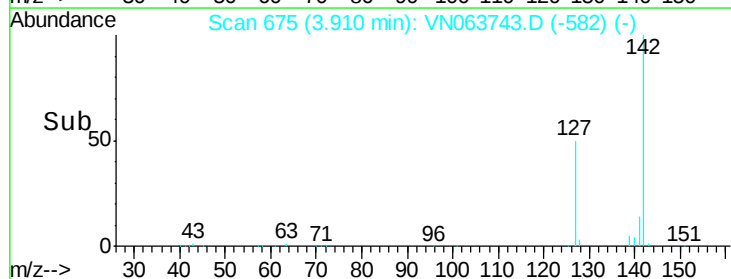
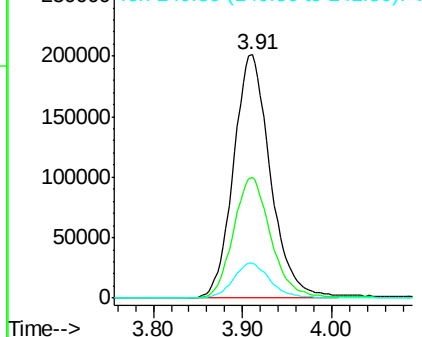
Tgt Ion:	142	Resp:	579118
Ion Ratio	Lower	Upper	
142	100		
127	50.6	40.5	60.7
141	14.4	11.7	17.5

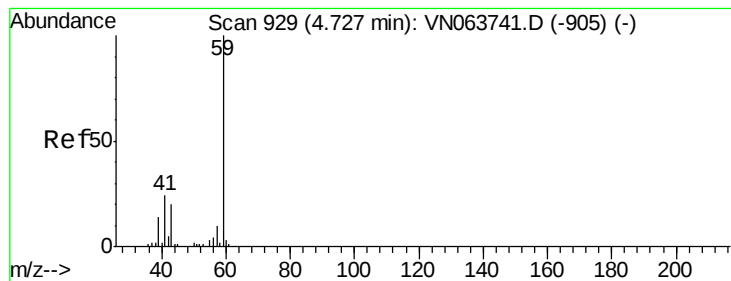


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

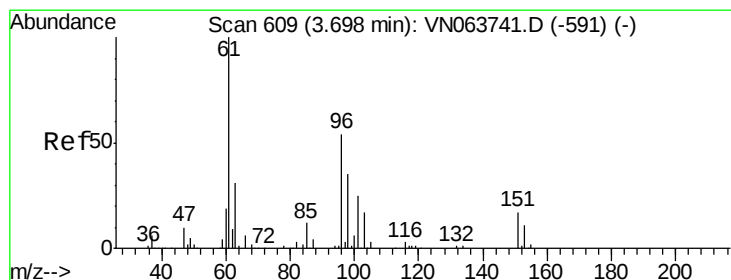
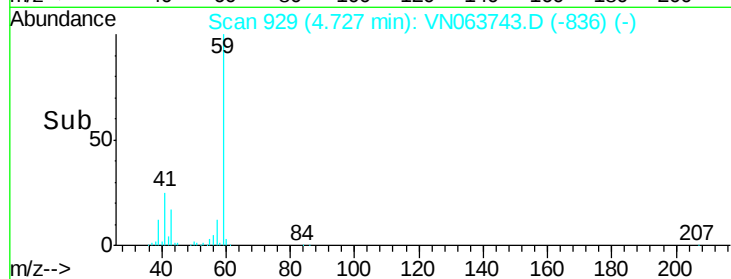
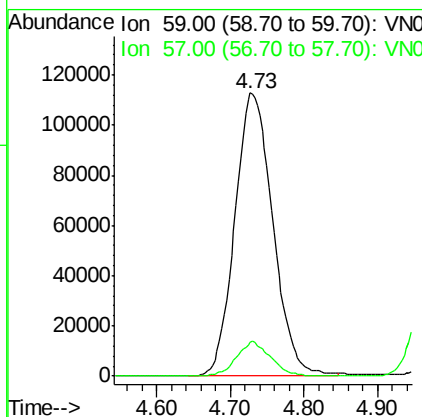
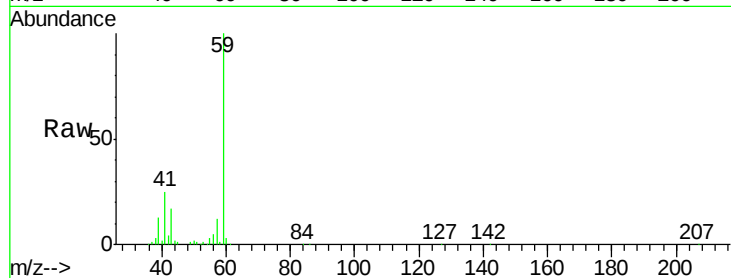
Tert butyl alcohol
Concen: 647.407 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.7	13.1

Manual Integrations
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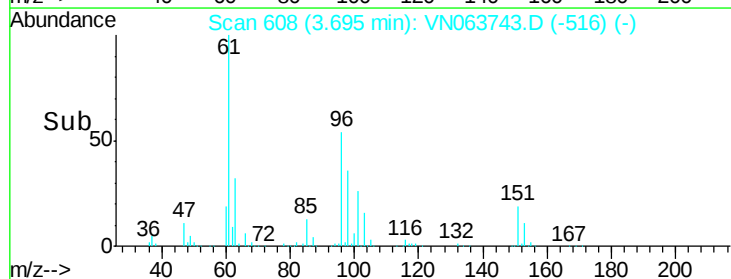
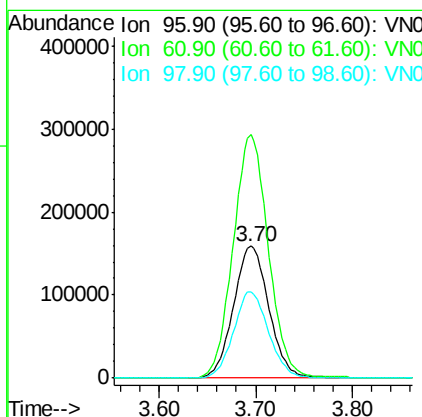
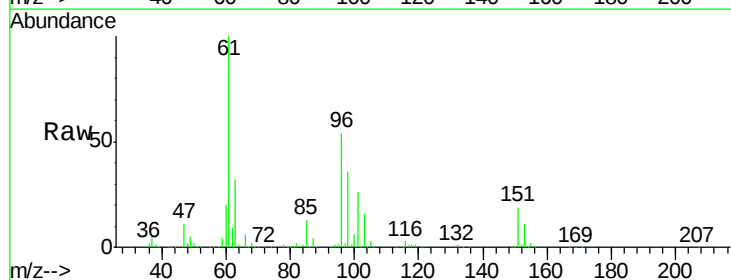
MMDadoda
10/1/2020 2:40:22 PM

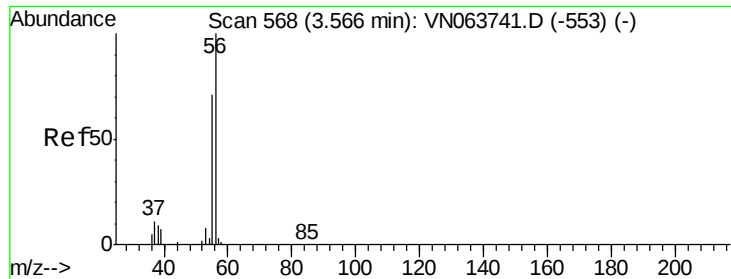


#12

1,1-Dichloroethene
Concen: 132.700 ug/l
RT: 3.70 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.7	147.7	221.5
98	65.6	51.9	77.9





#13

Acrolein

Concen: 971.197 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 248402

Ion Ratio Lower Upper

56 100

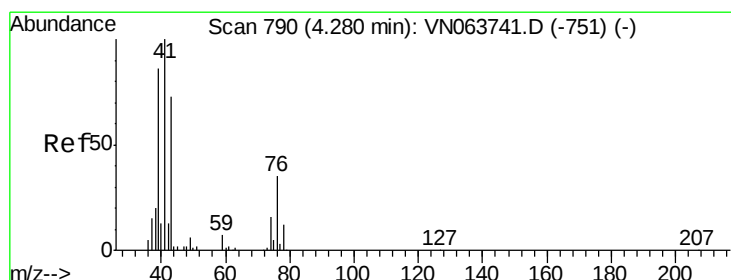
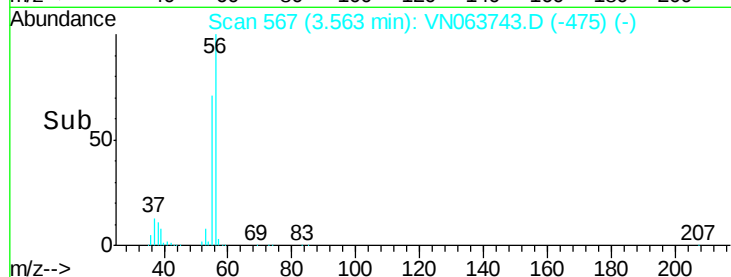
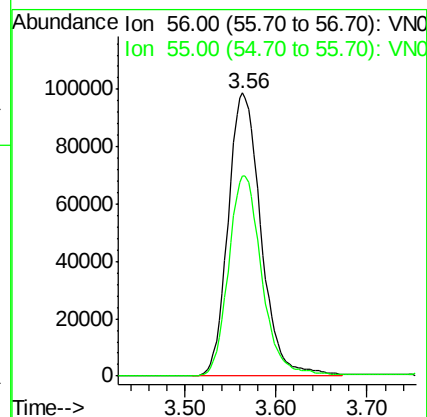
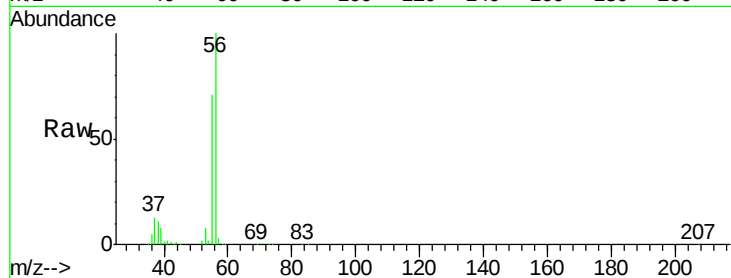
55 71.5 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 134.685 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

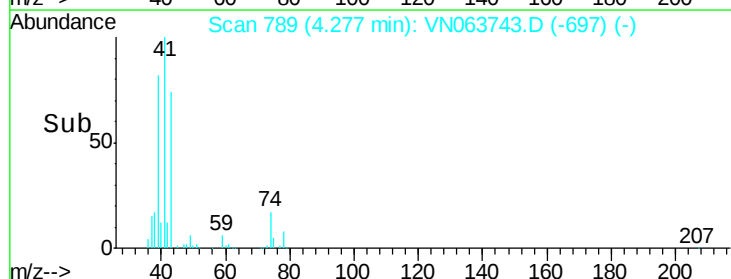
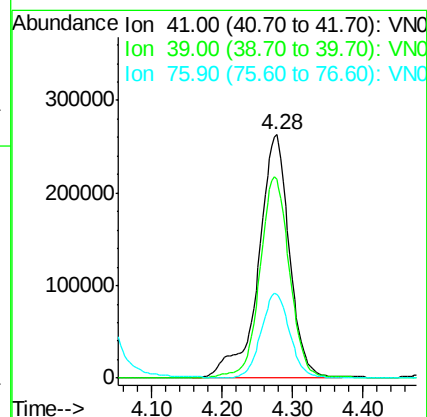
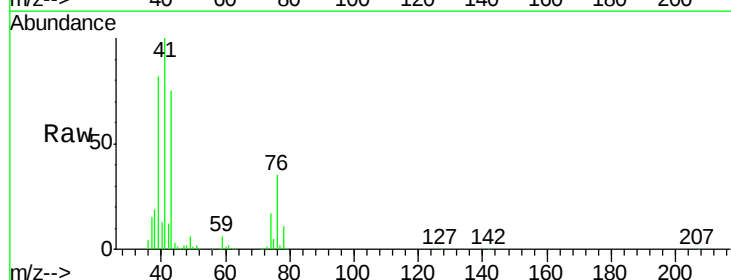
Tgt Ion: 41 Resp: 805825

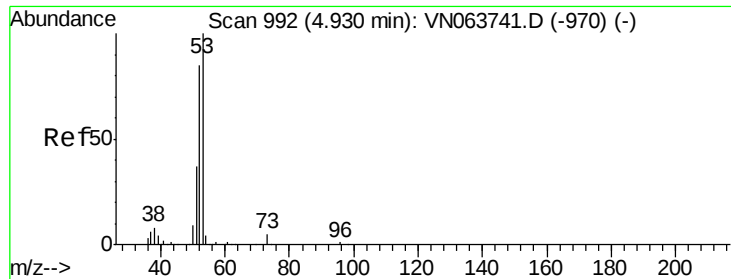
Ion Ratio Lower Upper

41 100

39 78.9 64.5 96.7

76 31.7 25.9 38.9





#15

Acrylonitrile

Concen: 705.319 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1145458

Ion Ratio Lower Upper

53 100

52 83.4 66.5 99.7

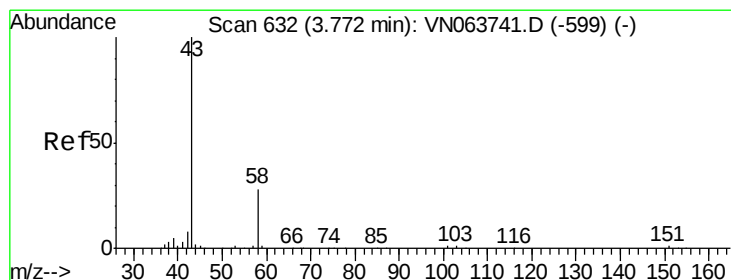
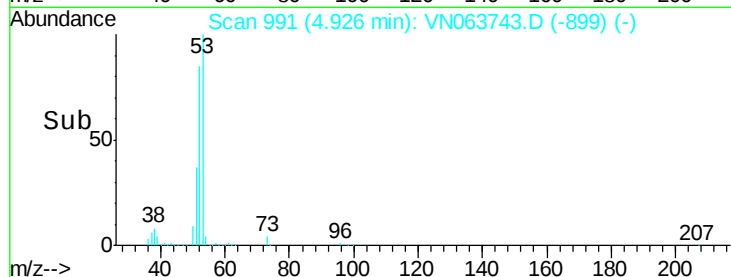
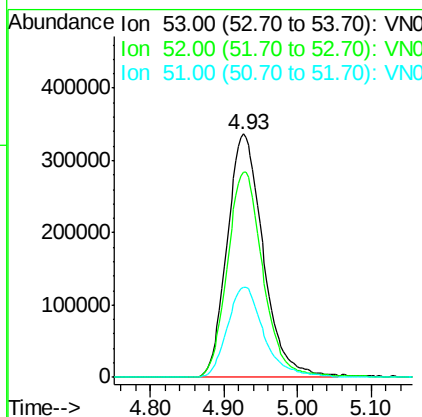
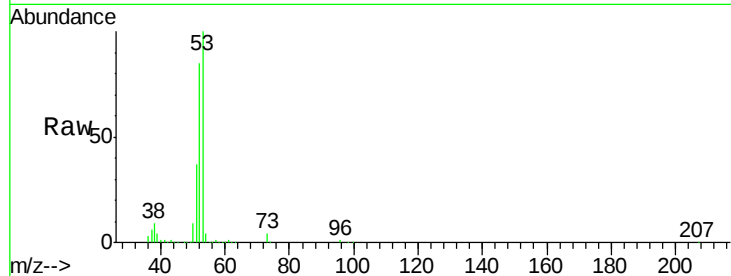
51 38.0 29.9 44.9

Manual Integrations

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#16

Acetone

Concen: 688.428 ug/l

RT: 3.77 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN063743.D

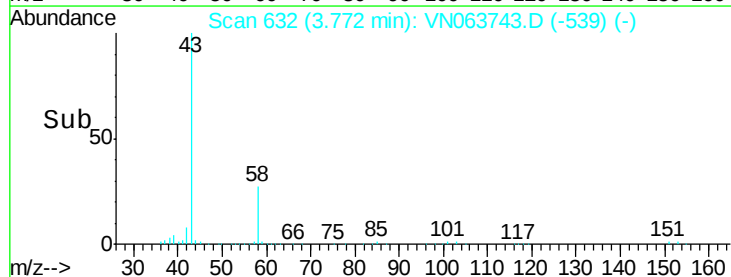
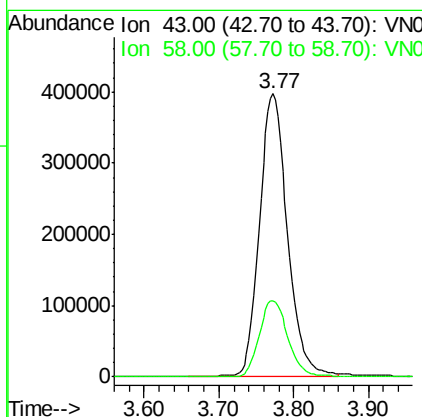
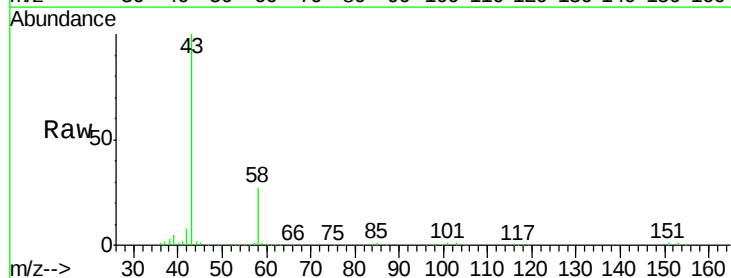
Acq: 30 Sep 2020 12:00

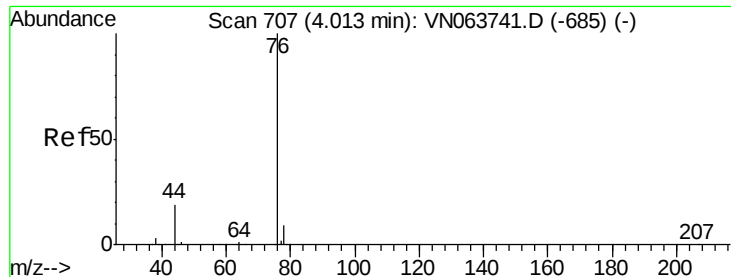
Tgt Ion: 43 Resp: 1035279

Ion Ratio Lower Upper

43 100

58 27.0 22.3 33.5





#17

Carbon Disulfide

Concen: 130.912 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1152375

Ion Ratio Lower Upper

76 100

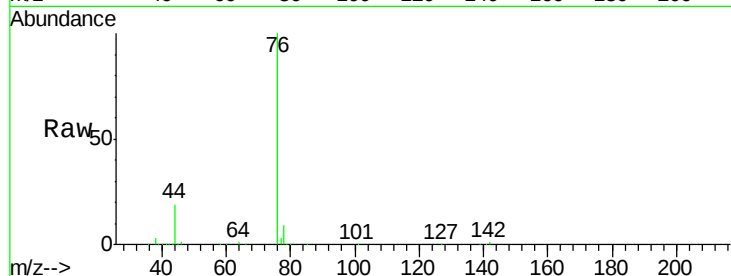
78 9.0 7.0 10.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN063741.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN063741.D (-685) (-)

4.01

400000

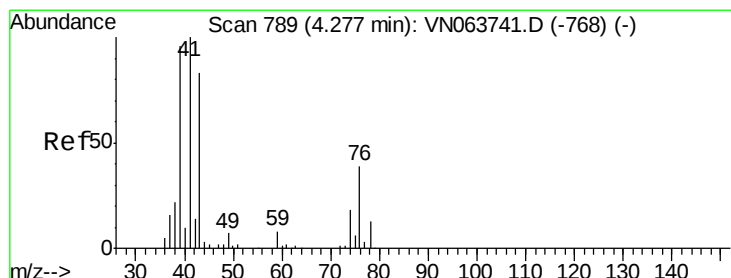
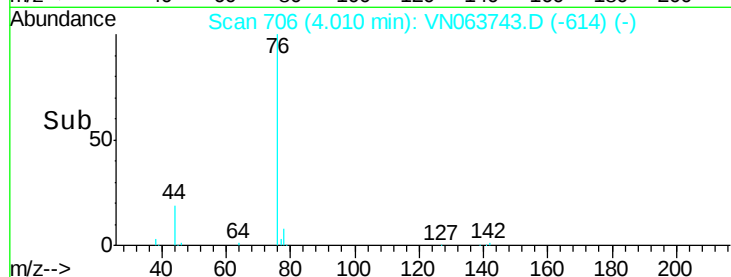
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 148.669 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN063743.D

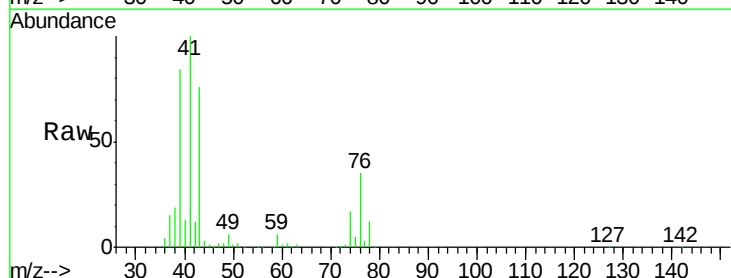
Acq: 30 Sep 2020 12:00

Tgt Ion: 43 Resp: 564286

Ion Ratio Lower Upper

43 100

74 22.2 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN063741.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN063741.D (-768) (-)

4.27

200000

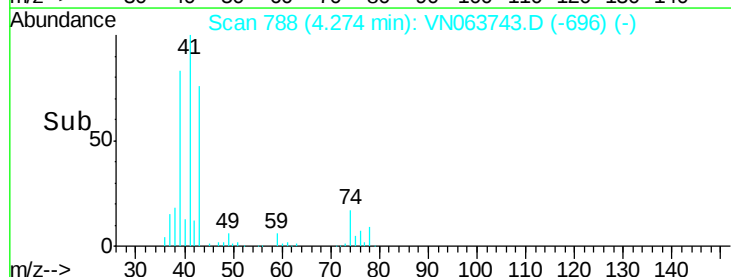
150000

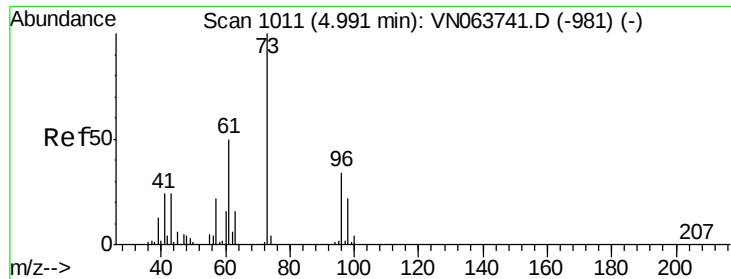
100000

50000

0

Time-->





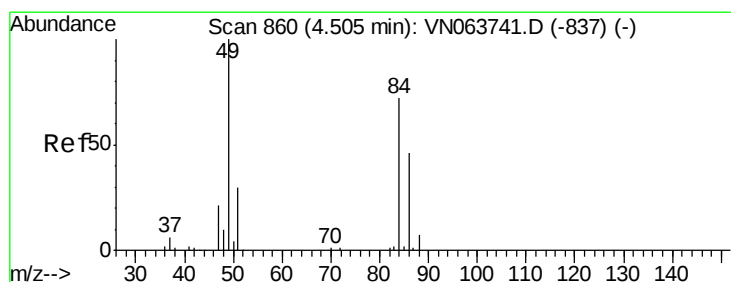
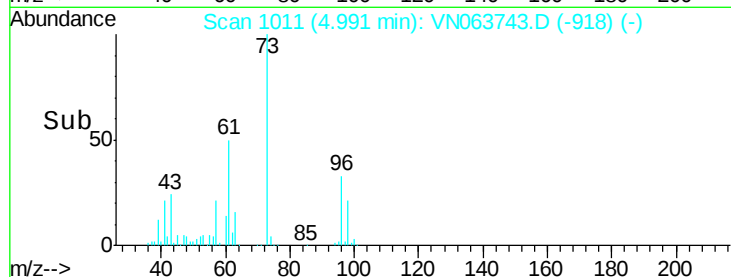
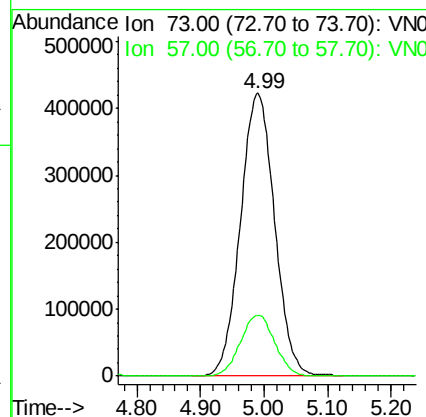
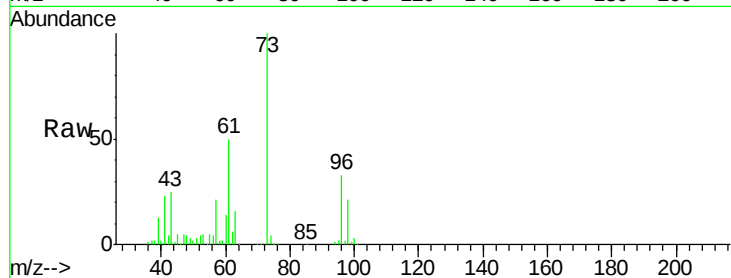
#19
Methvl tert-butvl Ether
Concen: 138.127 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1577725
Ion Ratio Lower Upper
73 100
57 21.3 17.6 26.4

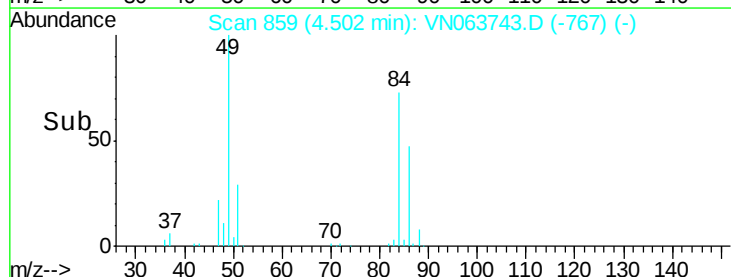
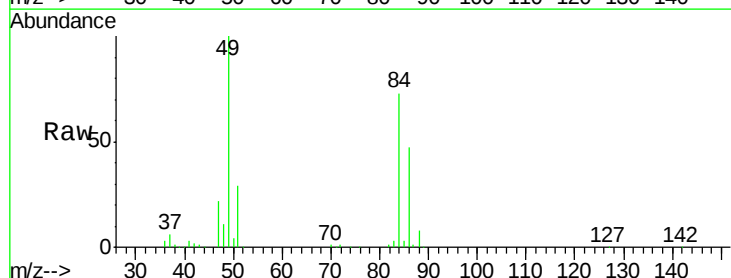
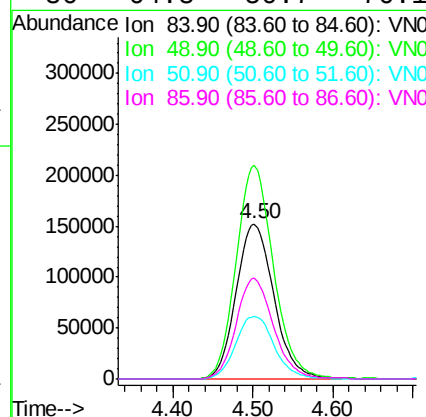
Manual Integrations
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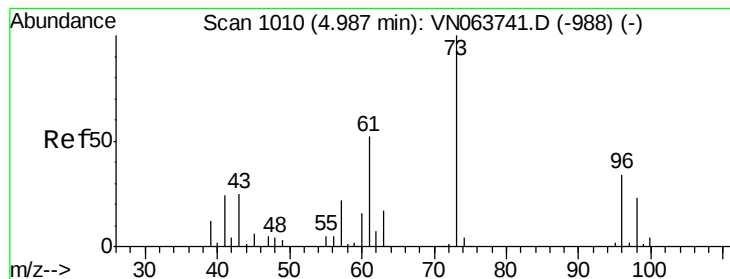
MMDadoda
10/1/2020 2:40:22 PM



#20
Methylene Chloride
Concen: 129.432 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion: 84 Resp: 488040
Ion Ratio Lower Upper
84 100
49 137.4 110.4 165.6
51 40.2 33.3 49.9
86 64.8 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 135.080 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 96 Resp: 457430

Ion Ratio Lower Upper

96 100

61 151.1 120.2 180.2

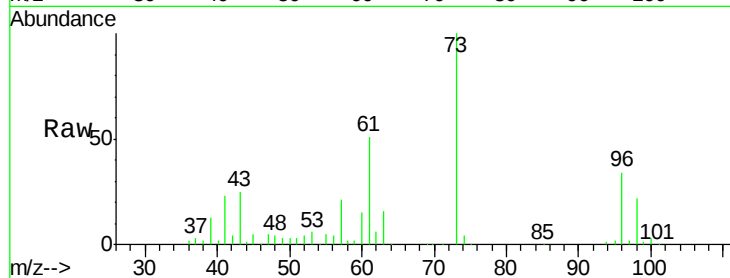
98 64.9 52.6 79.0

Manual Integrations

APPROVED

MMDadoda

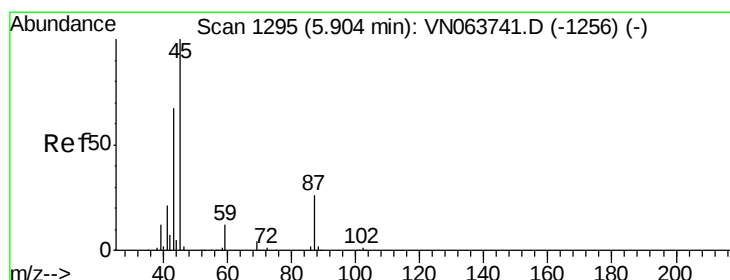
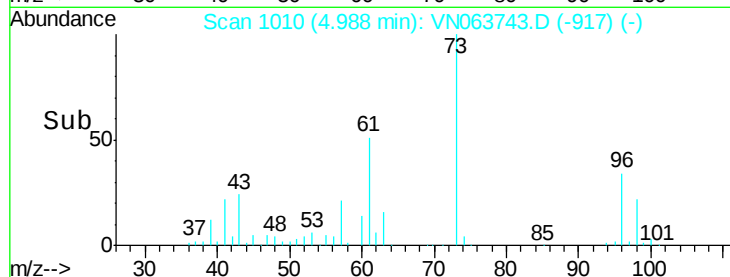
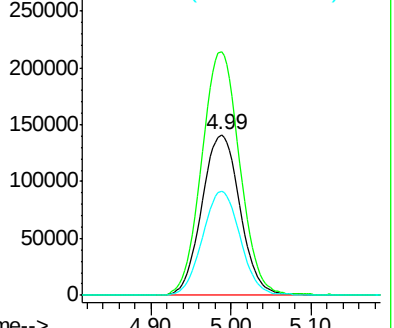
10/1/2020 2:40:22 PM



Abundance Ion 95.90 (95.60 to 96.60): VN063743.D (-1010) (-)

Ion 60.90 (60.60 to 61.60): VN063743.D (-1010) (-)

Ion 97.90 (97.60 to 98.60): VN063743.D (-1010) (-)



#22

Diisopropyl ether

Concen: 139.163 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Tgt Ion: 45 Resp: 1716295

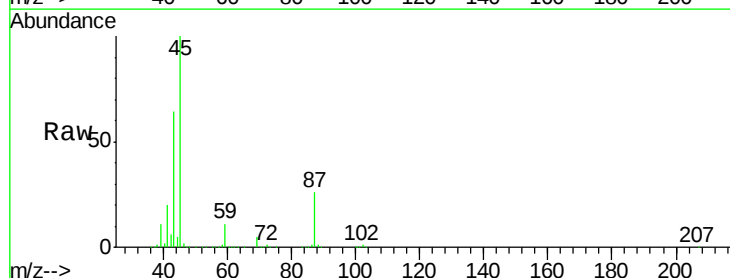
Ion Ratio Lower Upper

45 100

43 63.5 53.7 80.5

87 26.2 21.1 31.7

59 10.9 9.2 13.8

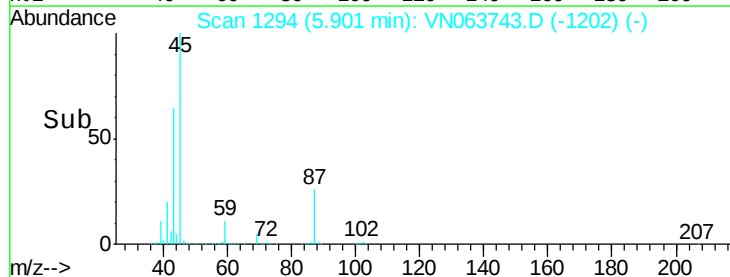
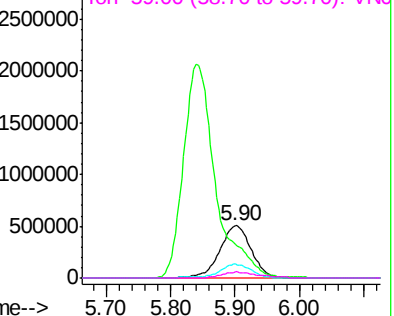


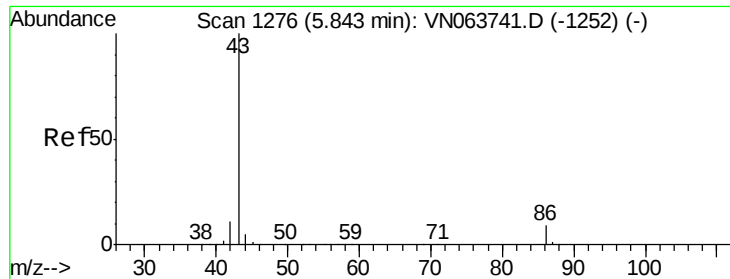
Abundance Ion 45.00 (44.70 to 45.70): VN063743.D (-1294) (-)

Ion 43.00 (42.70 to 43.70): VN063743.D (-1294) (-)

Ion 87.00 (86.70 to 87.70): VN063743.D (-1294) (-)

Ion 59.00 (58.70 to 59.70): VN063743.D (-1294) (-)





#23

Vinyl Acetate

Concen: 711.753 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 7190052

Ion Ratio Lower Upper

43 100

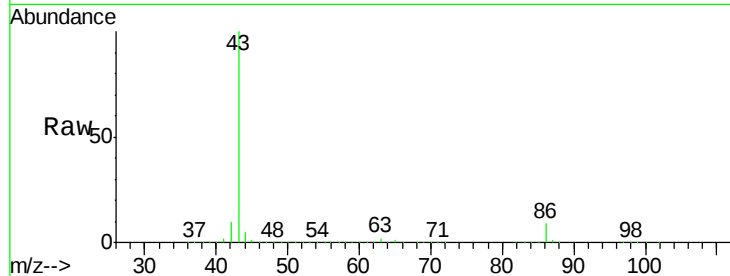
86 9.5 7.3 10.9

Manual Integrations

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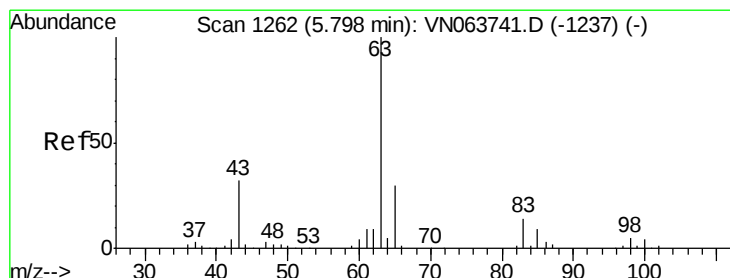
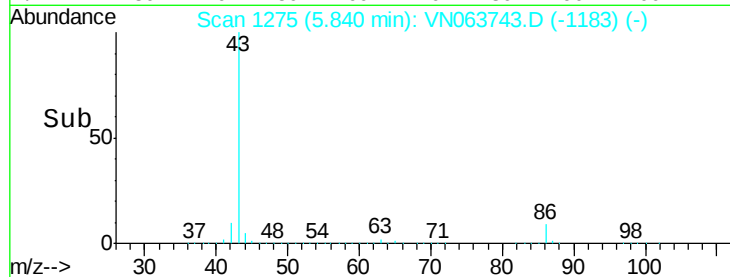
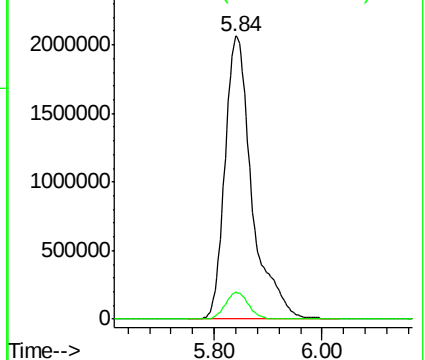
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 135.183 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

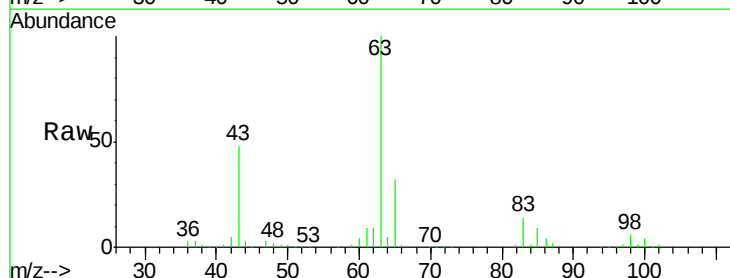
Tgt Ion: 63 Resp: 910527

Ion Ratio Lower Upper

63 100

98 6.3 2.7 8.1

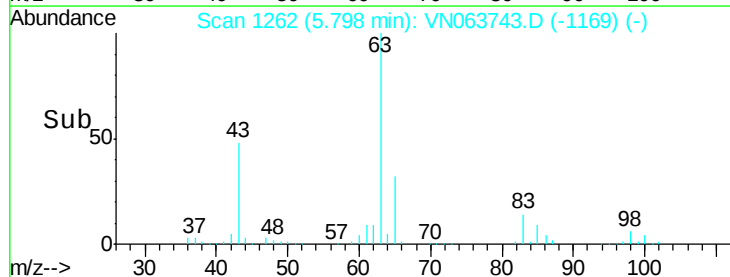
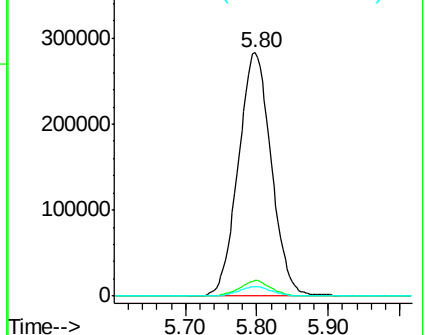
100 3.9 1.9 5.7

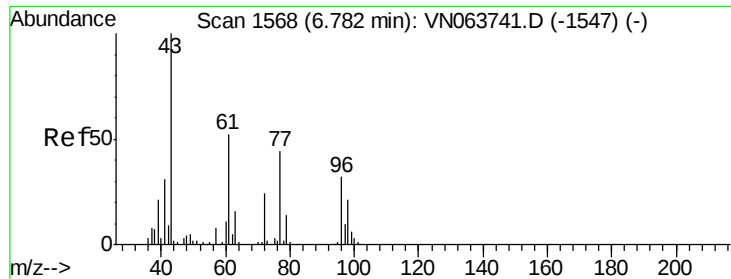


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 718.907 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1641950

Ion Ratio Lower Upper

43 100

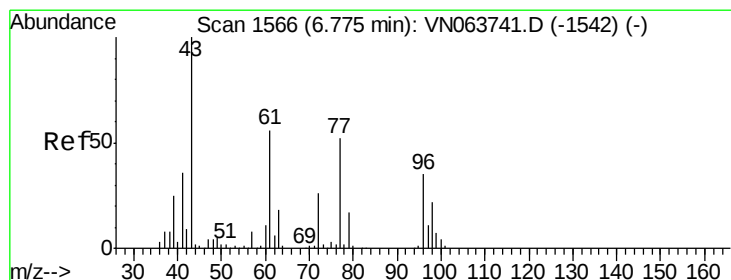
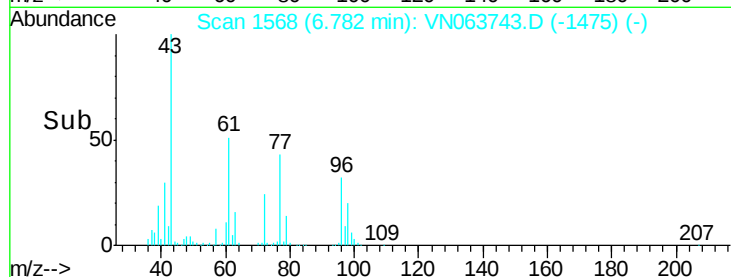
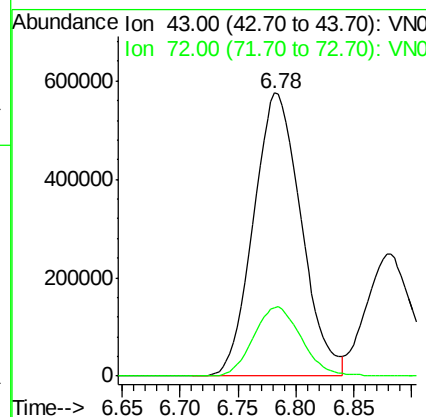
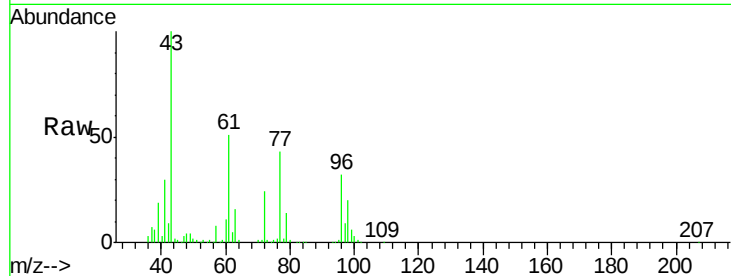
72 24.4 19.3 28.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 138.686 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063743.D

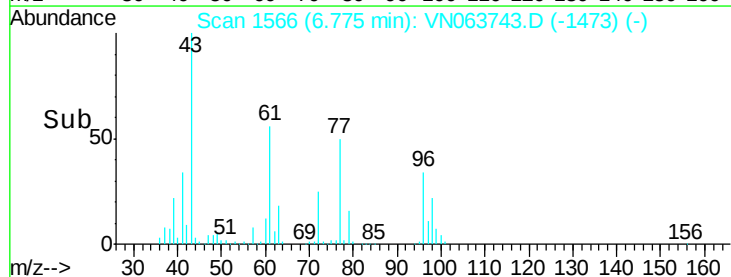
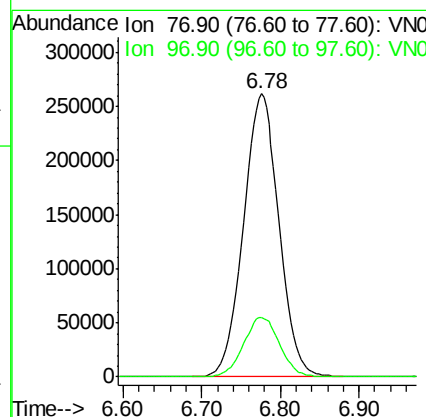
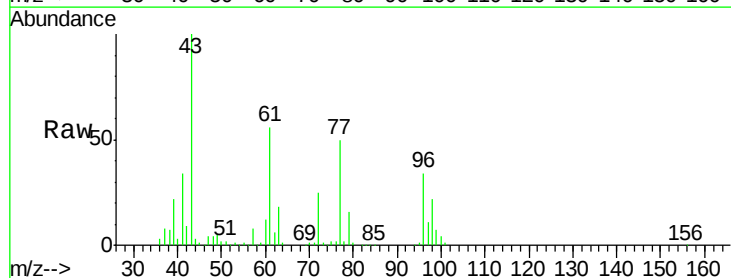
Acq: 30 Sep 2020 12:00

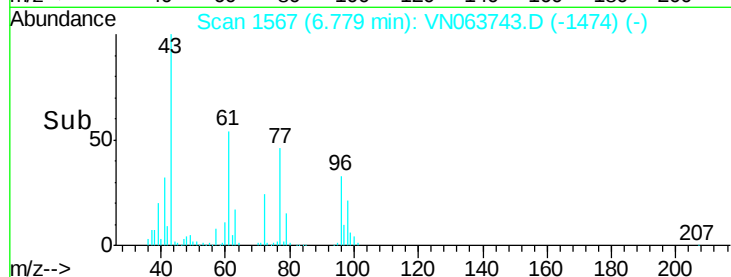
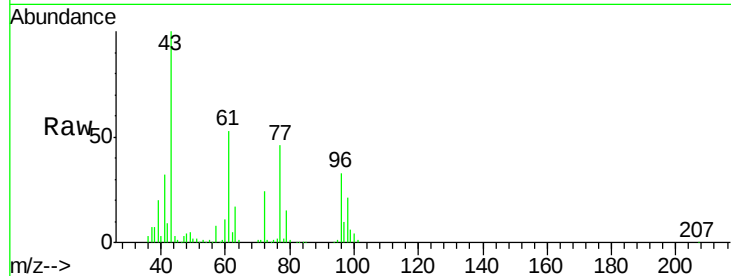
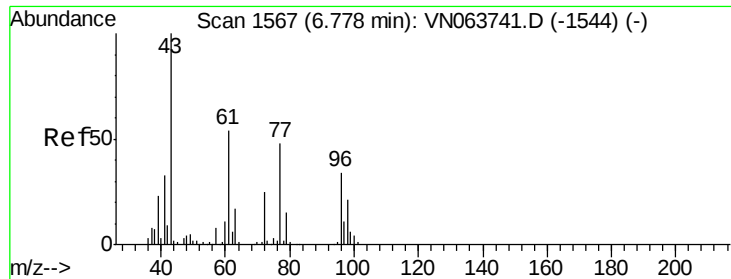
Tgt Ion: 77 Resp: 829488

Ion Ratio Lower Upper

77 100

97 21.4 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 141.323 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063743.D

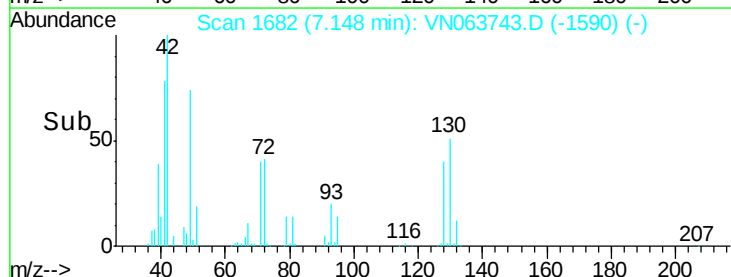
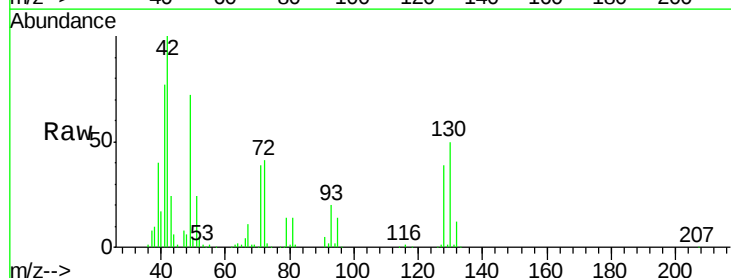
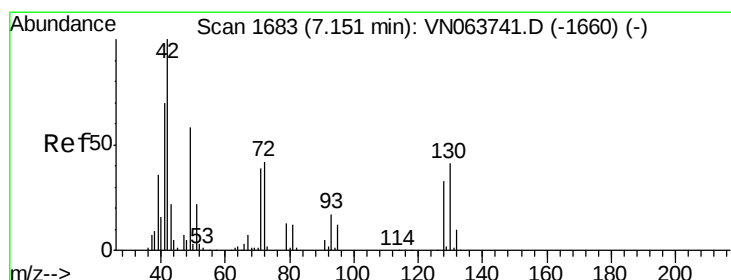
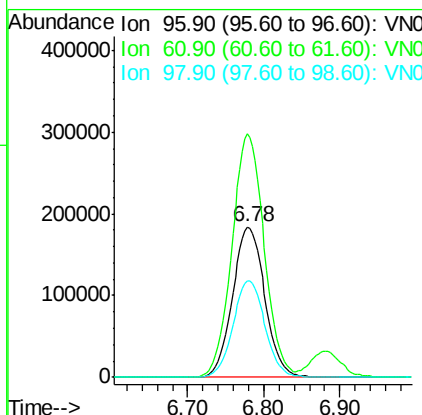
Acq: 30 Sep 2020 12:00

Tot Ion	Ratio	Resp	Lower	Upper
96	100	541928		
61	161.1	0.0	321.2	
98	63.7	0.0	124.4	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
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#28

Bromochloromethane

Concen: 159.822 ug/l

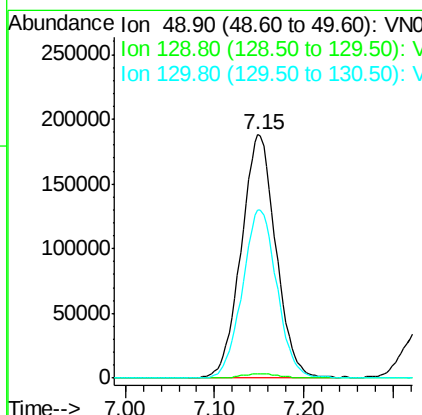
RT: 7.15 min Scan# 1682

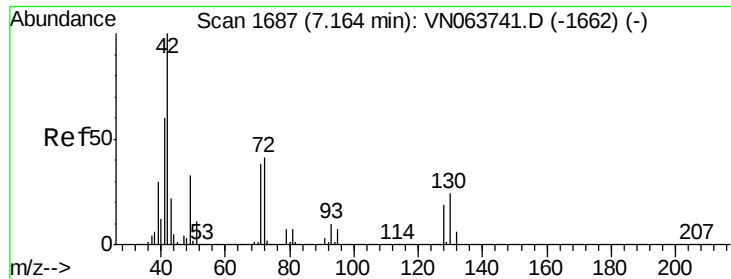
Delta R.T. -0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	507772		
129	1.9	0.0	4.8	
130	69.0	55.6	83.4	





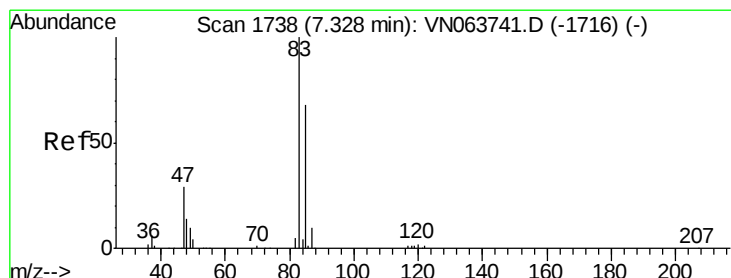
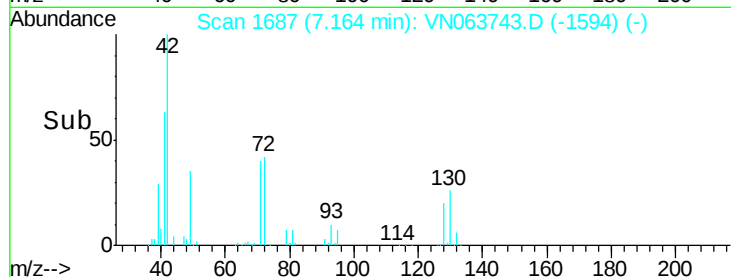
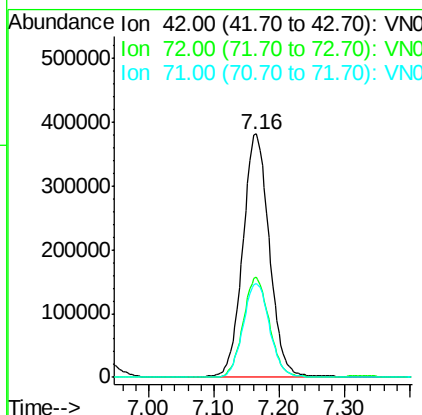
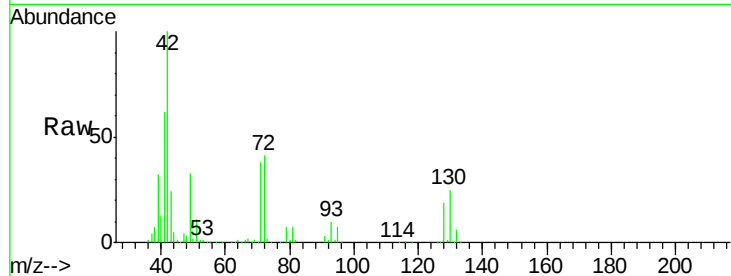
#29
Tetrahydrofuran
Concen: 692.497 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.8	49.2
71	38.5	30.6	45.8

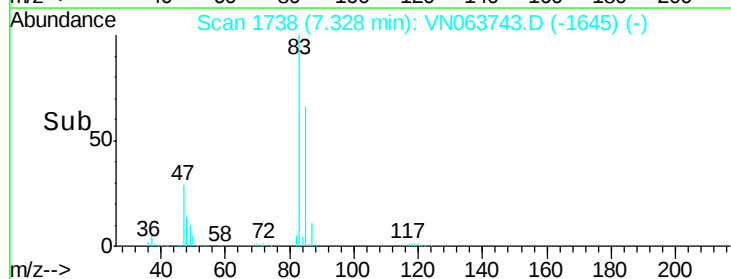
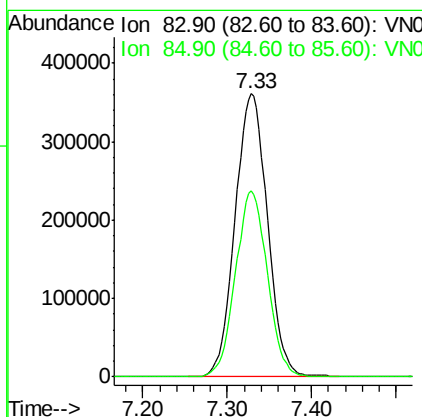
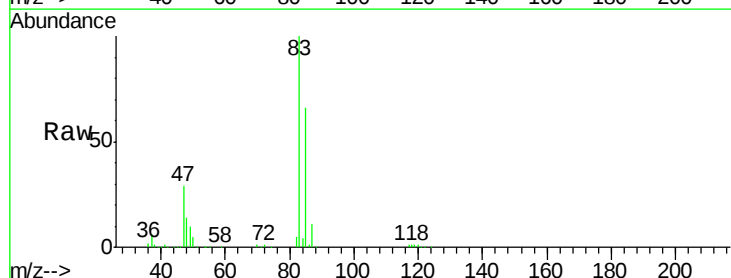
Manual Integrations
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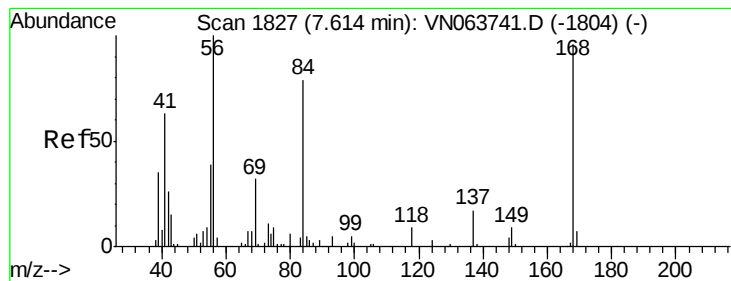
MMDadoda
10/1/2020 2:40:22 PM



#30
Chloroform
Concen: 142.153 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	54.6	82.0





#31

Cyclohexane

Concen: 123.567 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

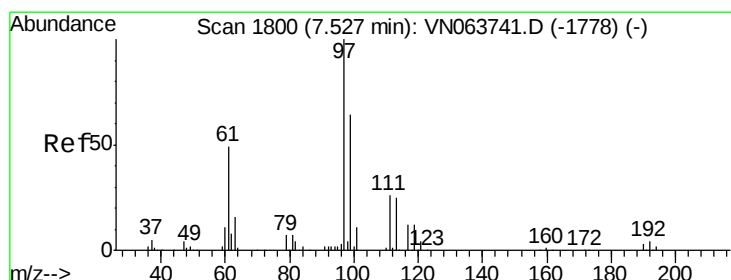
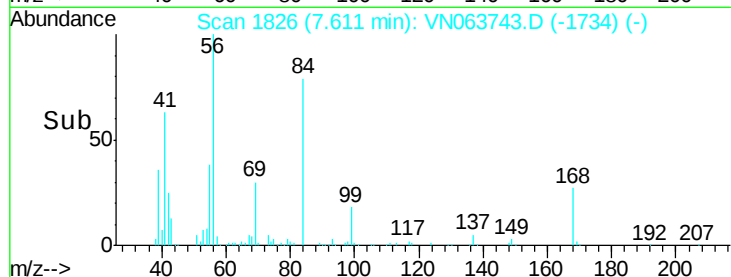
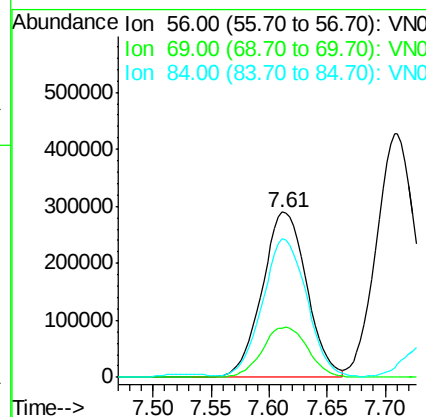
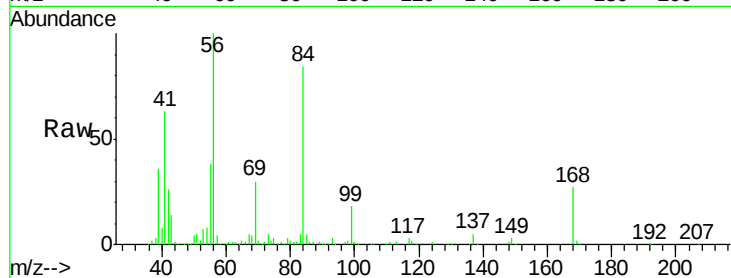
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	775320
Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.4	38.2
84	81.6	63.3	94.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 148.558 ug/l

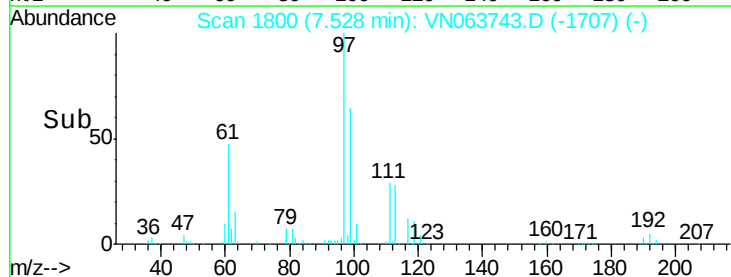
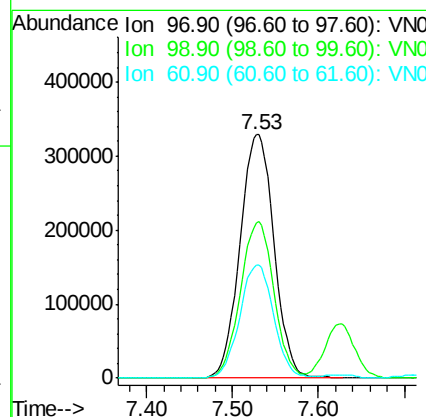
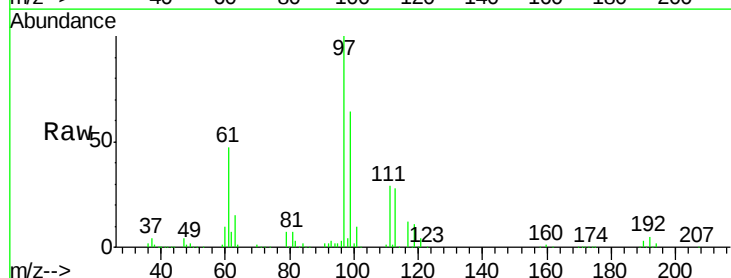
RT: 7.53 min Scan# 1800

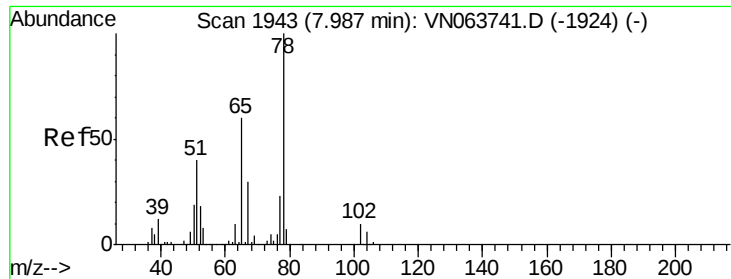
Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Tgt Ion:	97	Resp:	905035
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	46.3	38.7	58.1





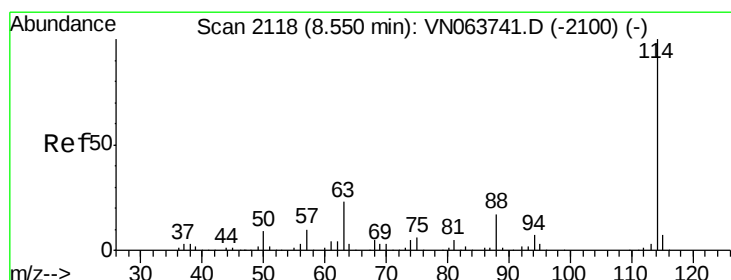
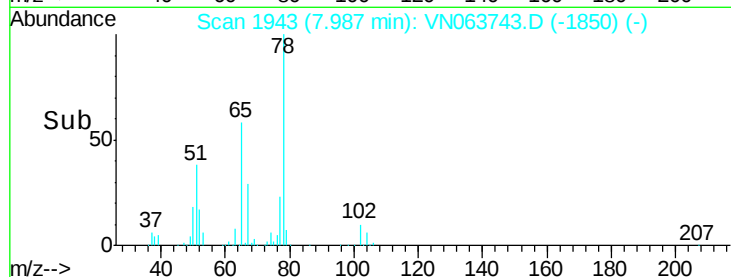
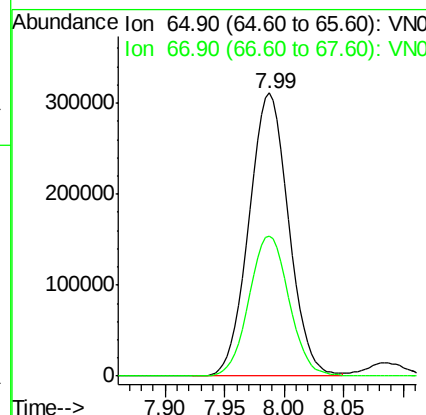
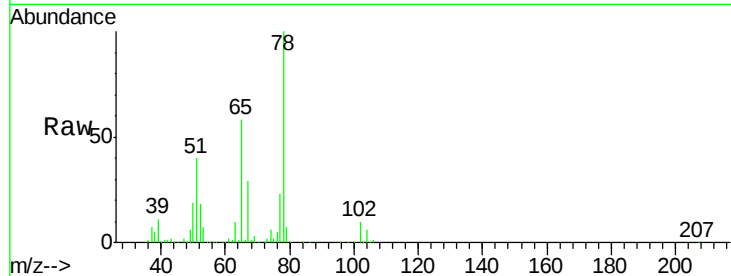
#33
 1,2-Dichloroethane-d4
 Concen: 152.924 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
65	100	719881		
67	50.1	0.0	99.6	

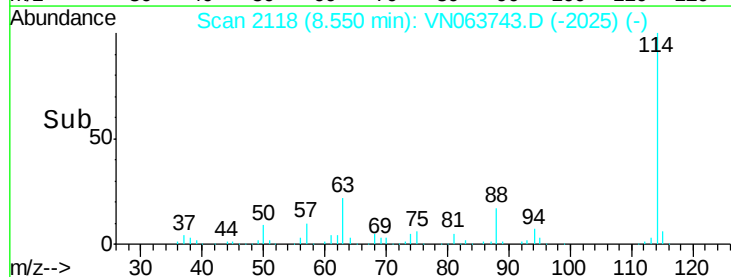
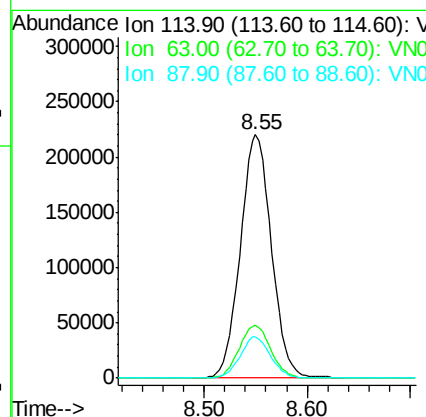
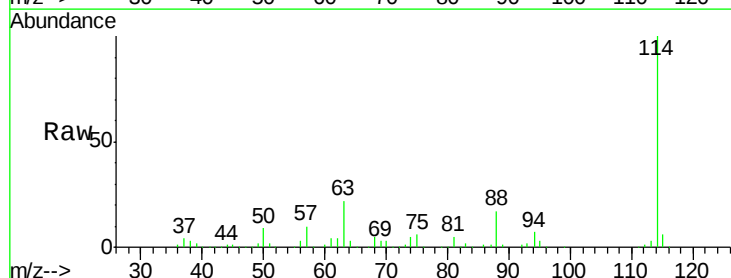
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	461793		
63	21.7	0.0	45.0	
88	17.1	0.0	34.0	





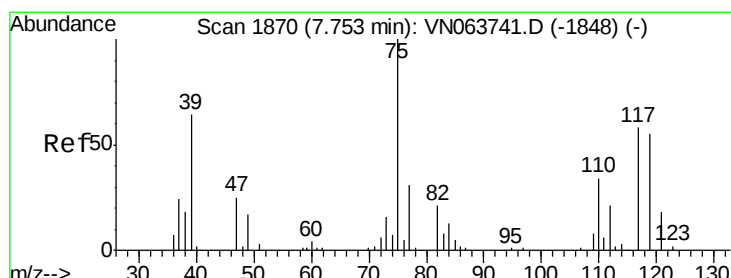
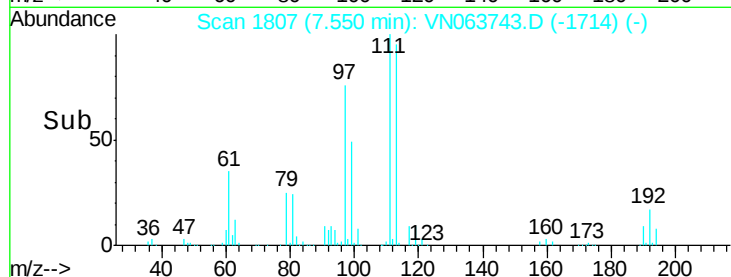
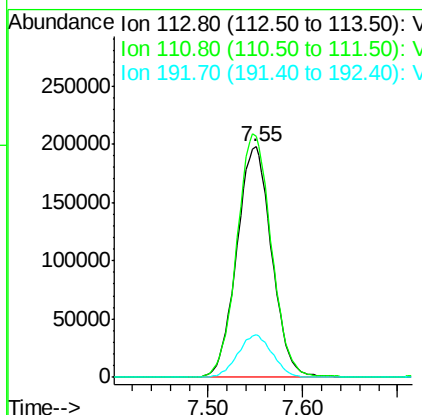
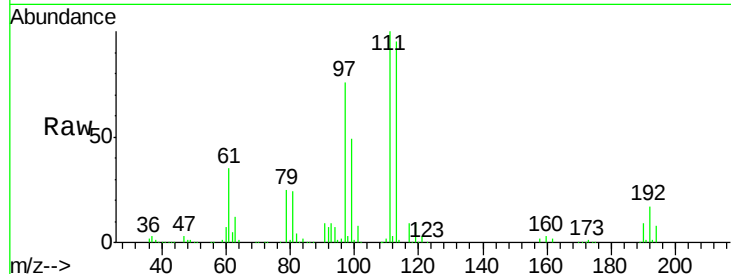
#35
 Dibromofluoromethane
 Concen: 158.207 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	507424		
111	104.6	81.8	122.8	
192	18.3	14.2	21.2	

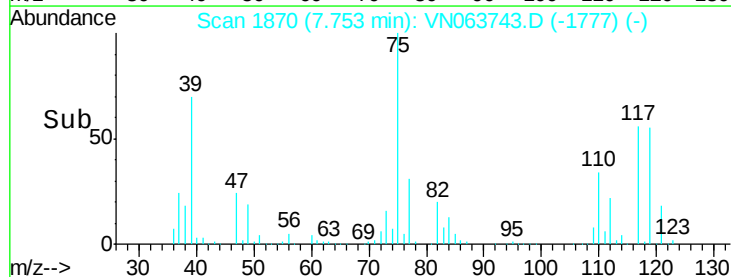
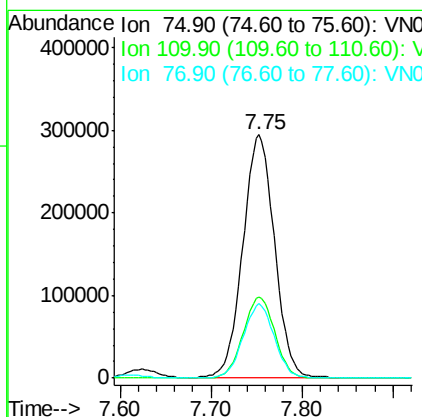
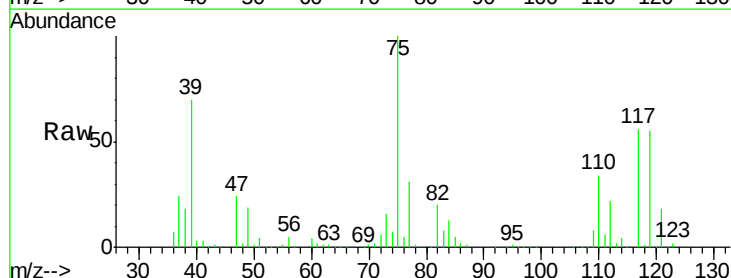
Manual Integrations
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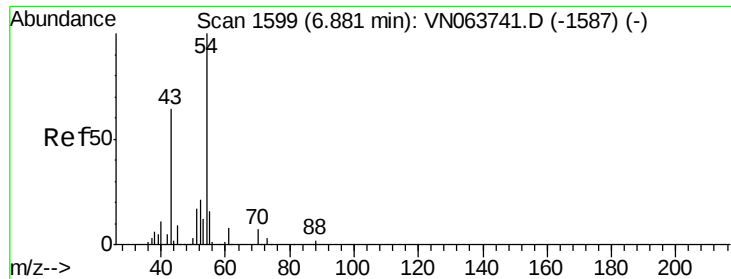
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 10/1/2020 2:40:22 PM



#36
 1,1-Dichloropropene
 Concen: 146.895 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	711893		
110	33.4	16.9	50.6	
77	30.3	24.5	36.7	





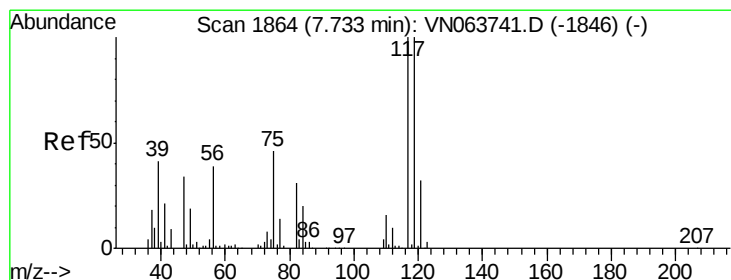
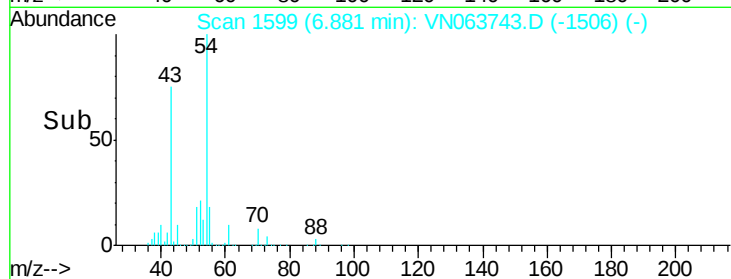
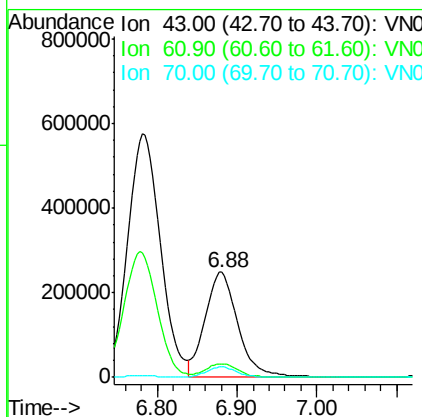
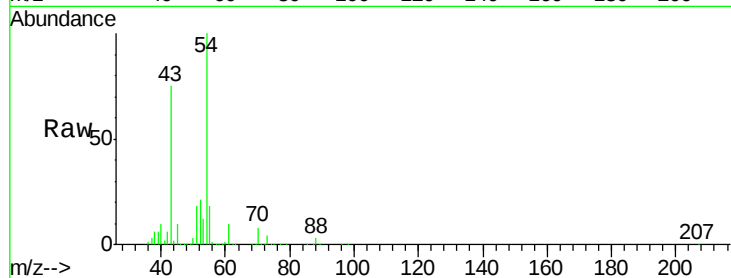
#37
Ethyl Acetate
Concen: 148.912 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
43	100	705388		
61	12.6		10.4	15.6
70	9.3		7.3	10.9

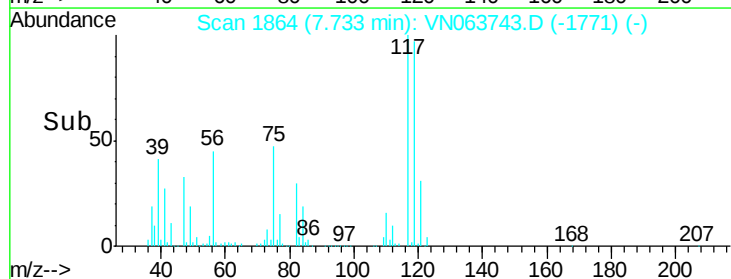
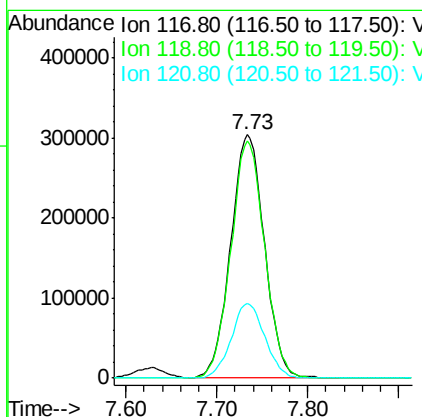
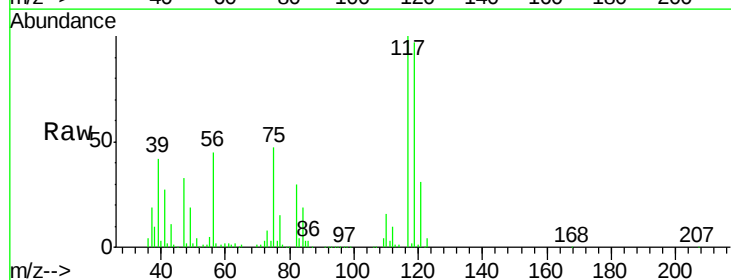
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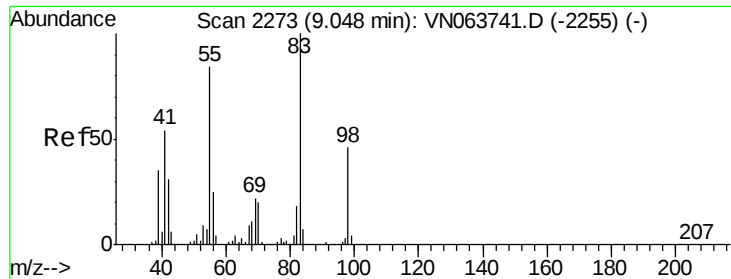
MMDadoda
10/1/2020 2:40:22 PM



#38
Carbon Tetrachloride
Concen: 156.314 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	781032		
119	97.5		80.1	120.1
121	30.7		25.7	38.5





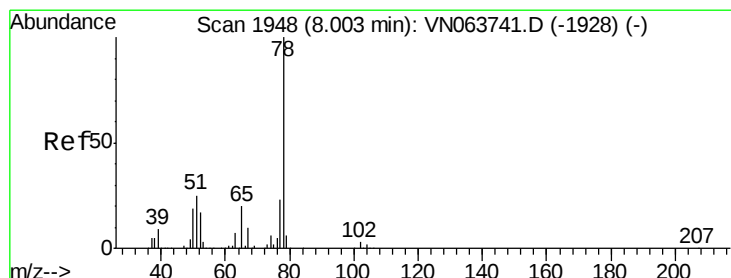
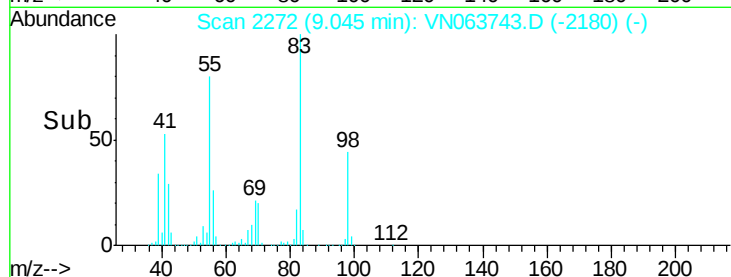
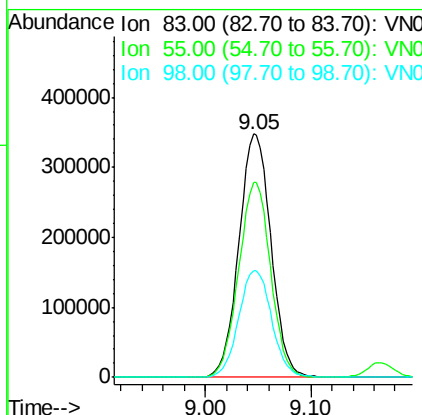
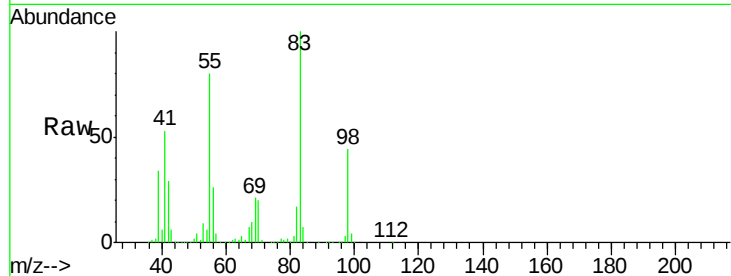
#39
Methylvlcyclohexane
Concen: 141.325 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	67.1	100.7
98	44.0	36.6	54.8

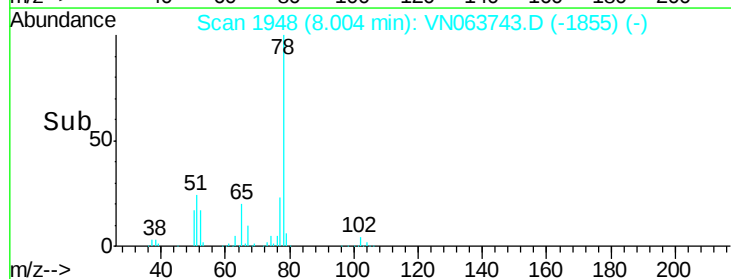
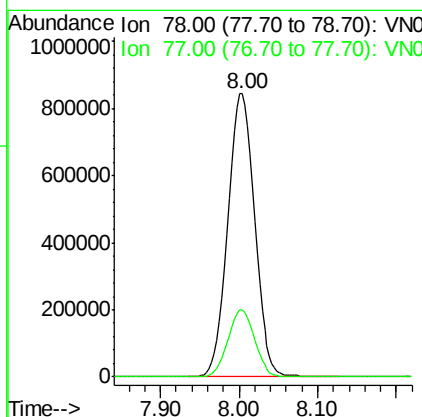
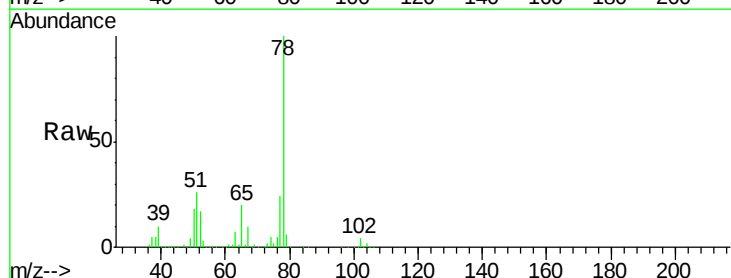
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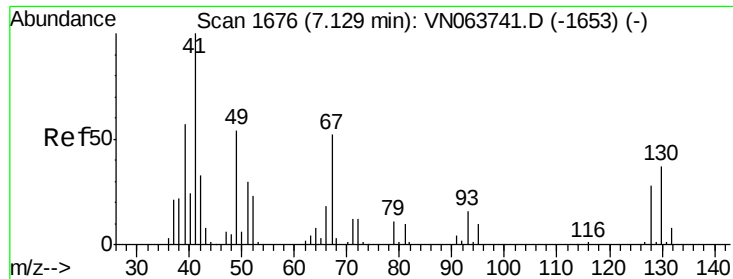
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#40
Benzene
Concen: 144.622 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1





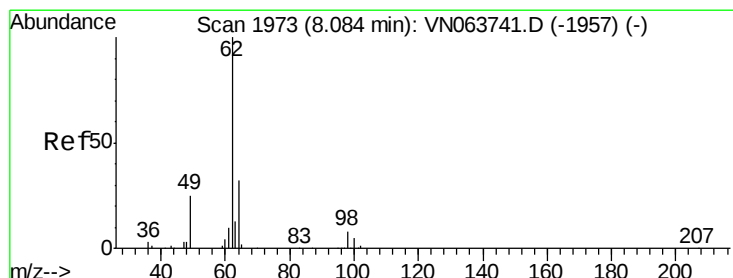
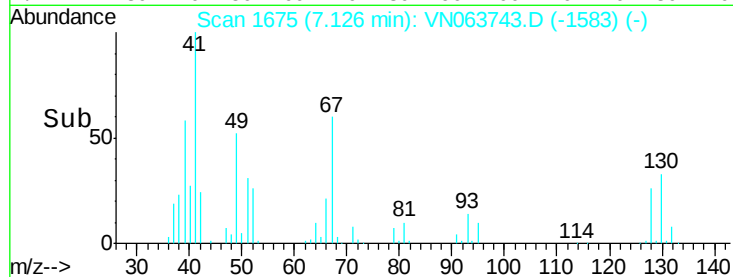
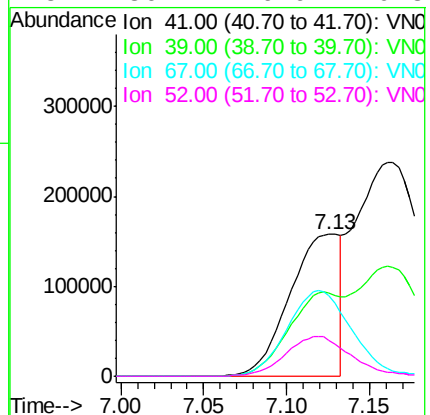
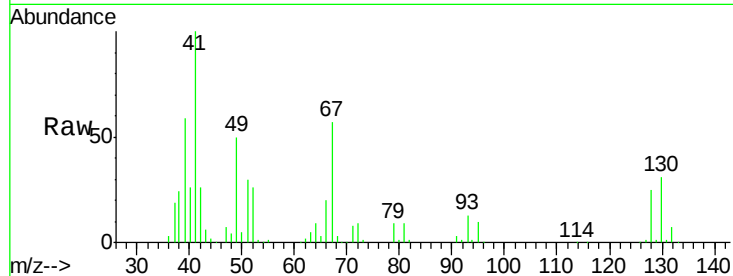
#41
Methacrylonitrile
Concen: 152.467 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	330766
Ion Ratio	Lower	Upper	
41	100		
39	59.2	42.5	63.7
67	78.8	57.4	86.2
52	36.4	26.9	40.3

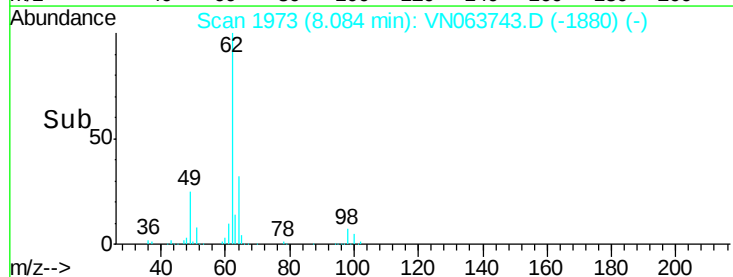
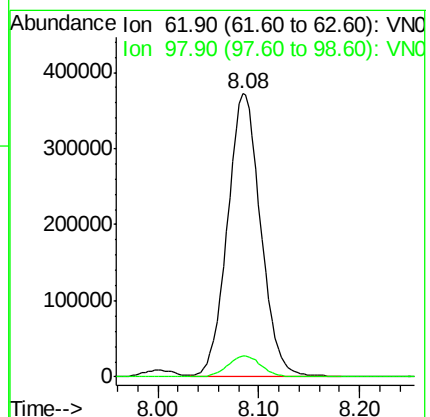
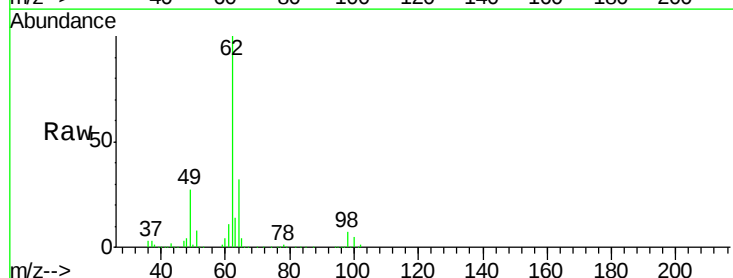
Manual Integrations
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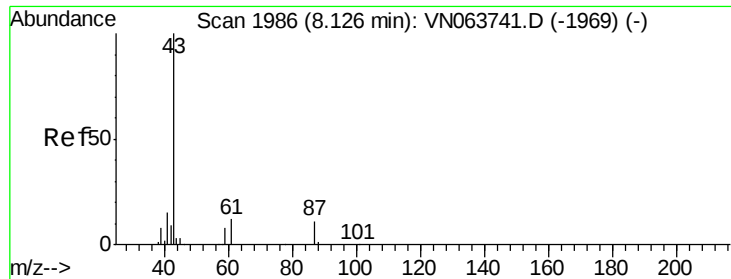
MMDadoda
10/1/2020 2:40:22 PM



#42
1,2-Dichloroethane
Concen: 151.071 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion	62	Resp	848409
Ion Ratio	Lower	Upper	
62	100		
98	7.5	0.0	15.0





#43

Isopropyl Acetate

Concen: 146.754 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1245948

Ion Ratio Lower Upper

43 100

61 17.6 14.2 21.4

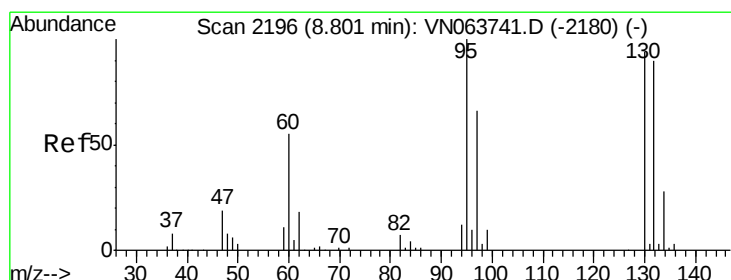
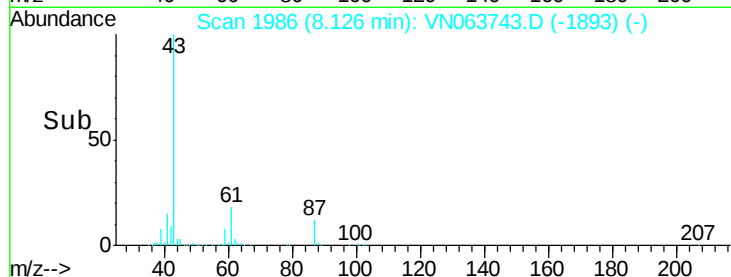
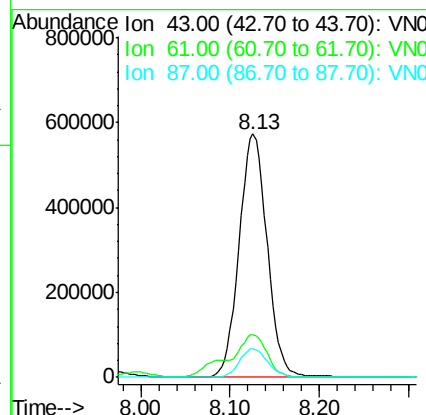
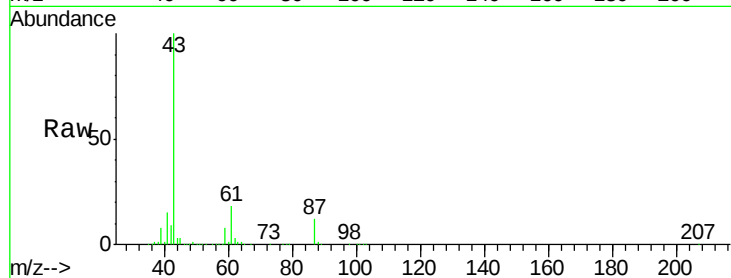
87 11.9 9.0 13.6

Manual Integrations

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MMDadoda

10/1/2020 2:40:22 PM



#44

Trichloroethene

Concen: 152.128 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063743.D

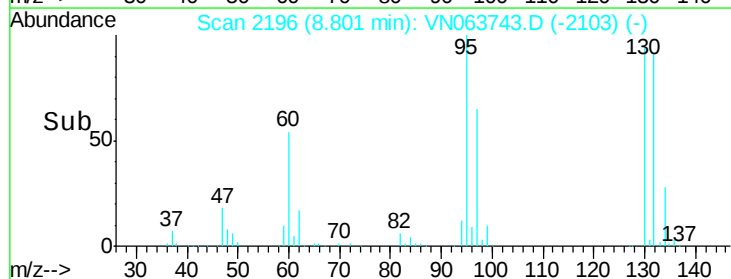
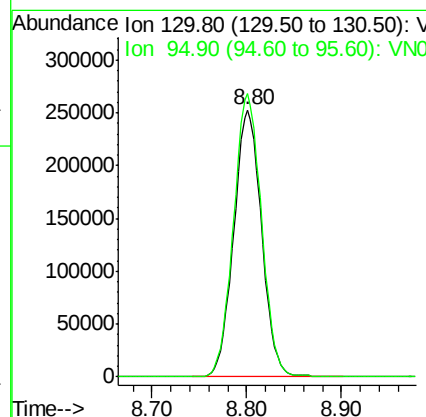
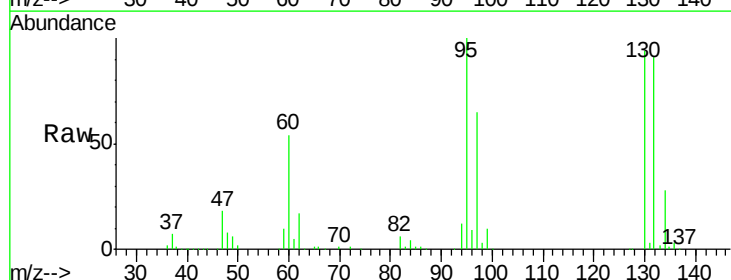
Acq: 30 Sep 2020 12:00

Tgt Ion: 130 Resp: 516568

Ion Ratio Lower Upper

130 100

95 106.1 0.0 213.6





#45

1,2-Dichloropropane

Concen: 144.062 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 541988

Ion Ratio Lower Upper

63 100

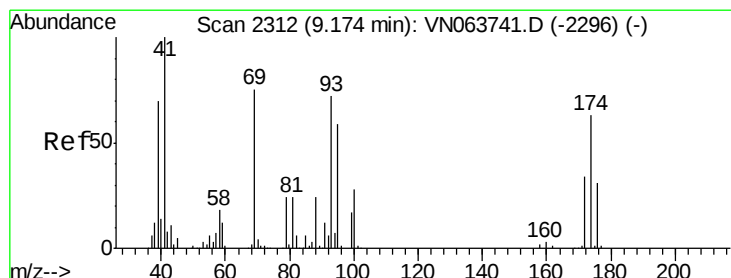
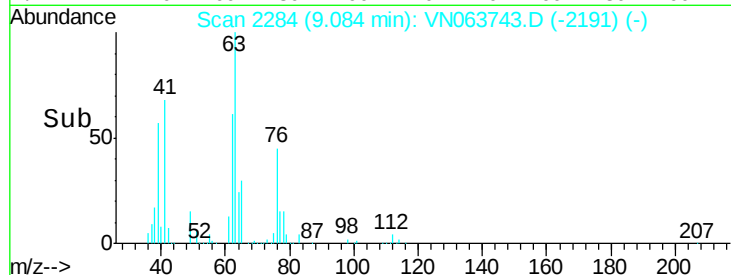
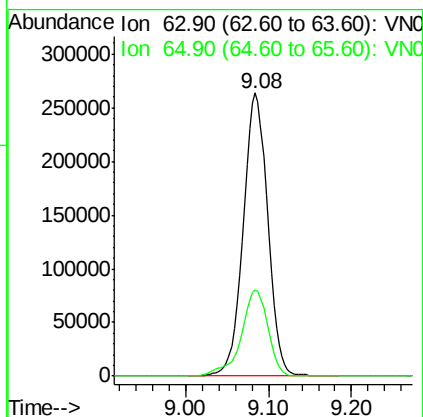
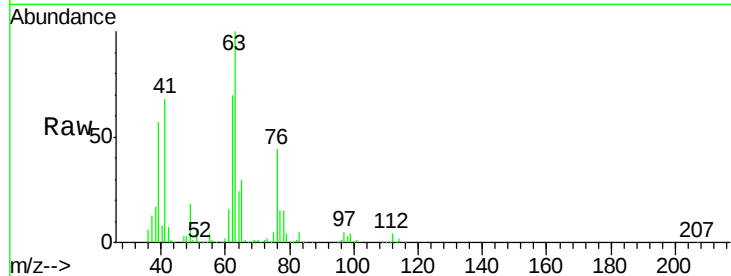
65 30.5 24.7 37.1

Manual Integrations

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MMDadoda

10/1/2020 2:40:22 PM



#46

Dibromomethane

Concen: 151.444 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

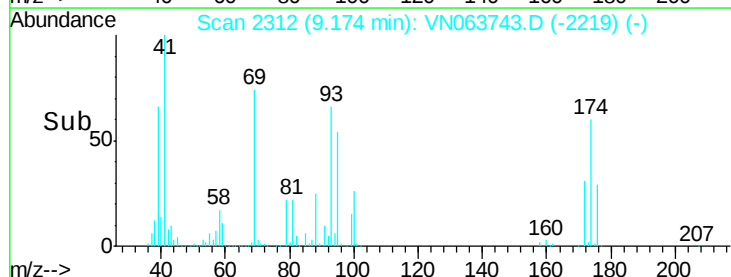
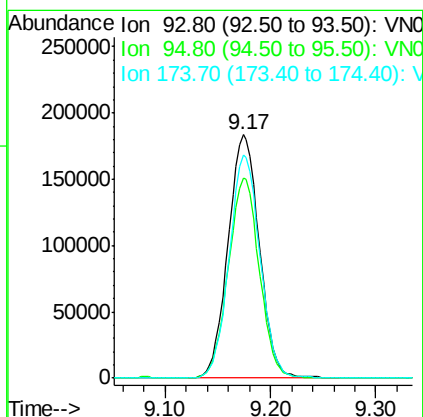
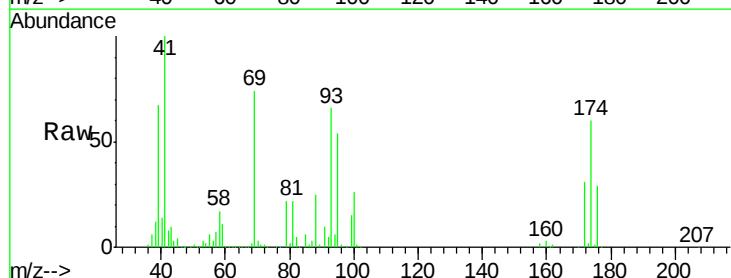
Tgt Ion: 93 Resp: 376542

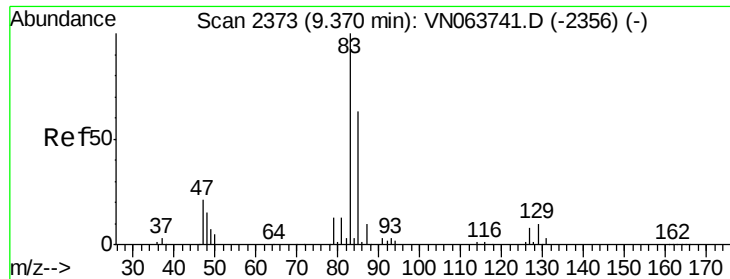
Ion Ratio Lower Upper

93 100

95 81.4 66.3 99.5

174 90.3 72.7 109.1





#47

Bromodichloromethane

Concen: 155.257 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

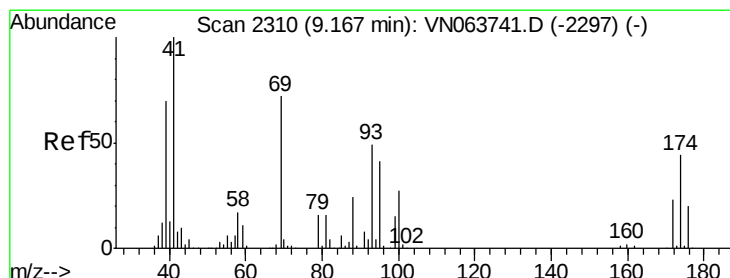
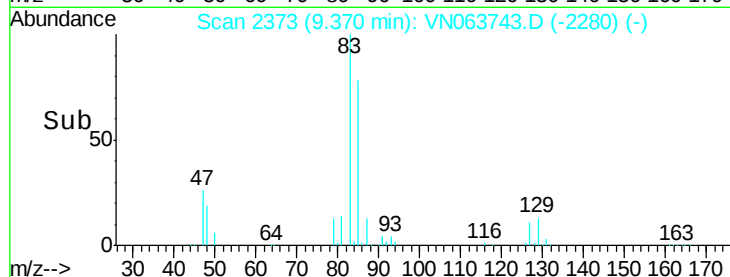
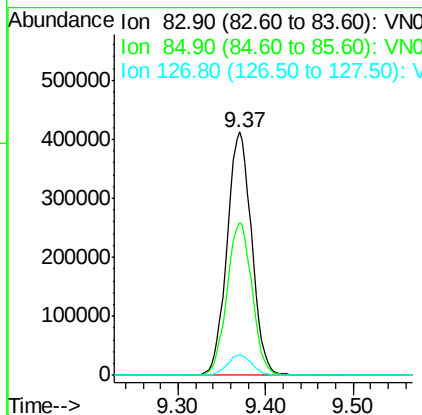
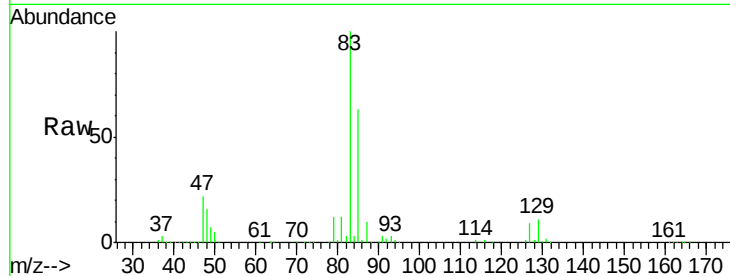
ClientSampled :

VSTDIC150

Tot Ion:	83	Resp:	805916
Ion Ratio	Lower	Upper	
83	100		
85	63.0	50.6	75.8
127	8.6	6.6	9.8

Manual Integrations
APPROVED

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10/1/2020 2:40:22 PM



#48

Methyl methacrylate

Concen: 150.837 ug/l

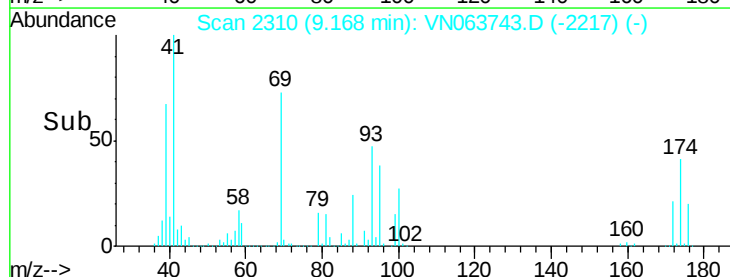
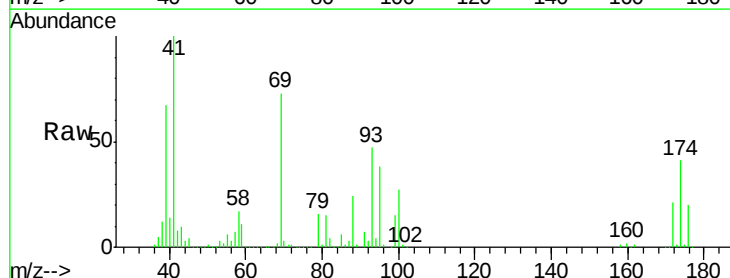
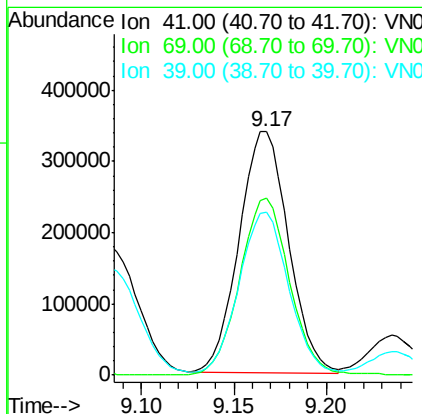
RT: 9.17 min Scan# 2310

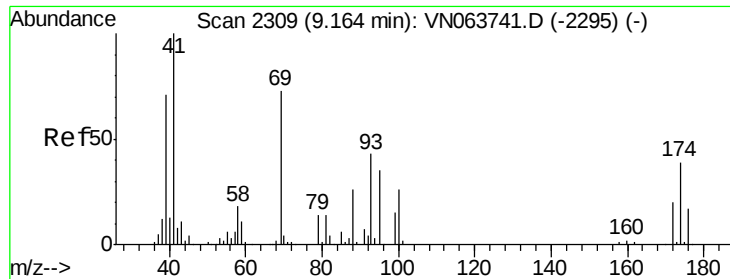
Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Tgt Ion:	41	Resp:	626794
Ion Ratio	Lower	Upper	
41	100		
69	74.3	60.9	91.3
39	68.6	57.5	86.3





#49

1,4-Dioxane

Concen: 2807.938 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 88 Resp: 166704

Ion Ratio Lower Upper

88 100

43 40.3 33.1 49.7

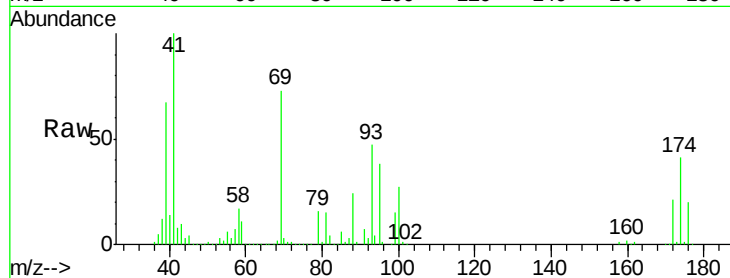
58 70.5 58.9 88.3

Manual Integrations

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MMDadoda

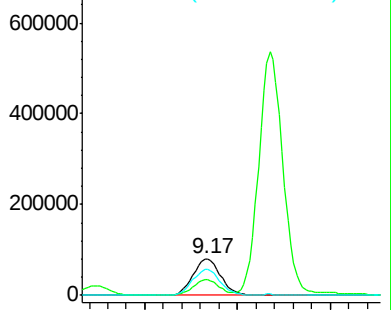
10/1/2020 2:40:22 PM



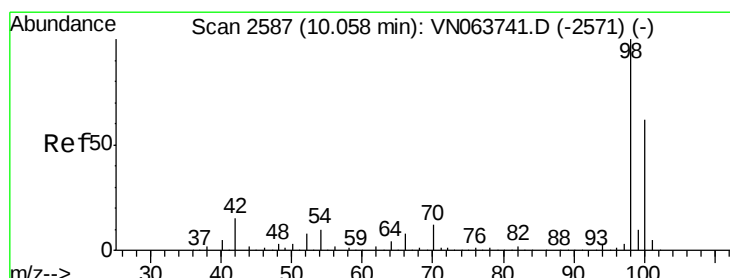
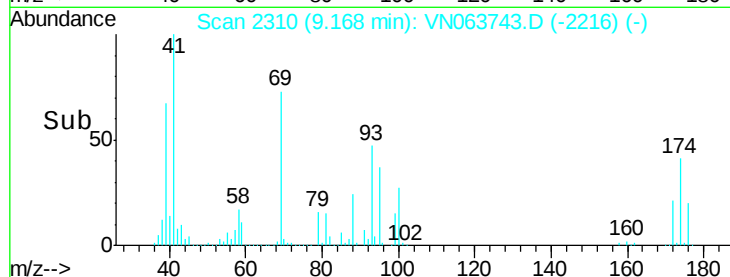
Abundance Ion 88.00 (87.70 to 88.70): VN063743.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN063743.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN063743.D (-2295) (-)



Time-->



#50

Toluene-d8

Concen: 162.302 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063743.D

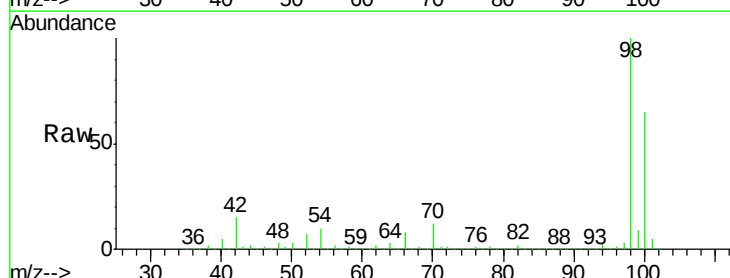
Acq: 30 Sep 2020 12:00

Tgt Ion: 98 Resp: 1946470

Ion Ratio Lower Upper

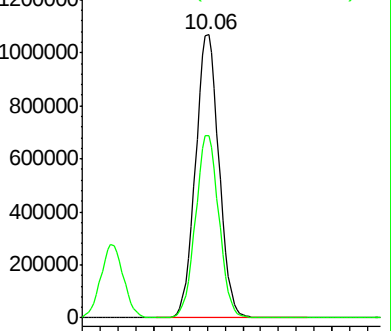
98 100

100 64.1 49.8 74.6

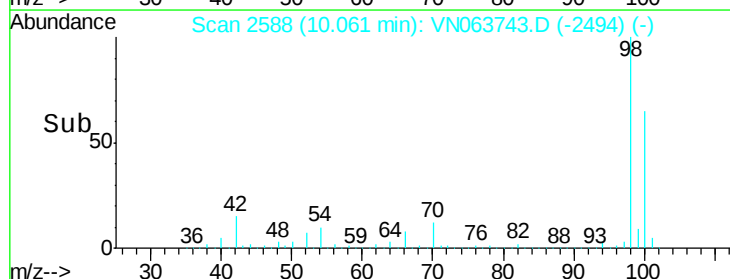


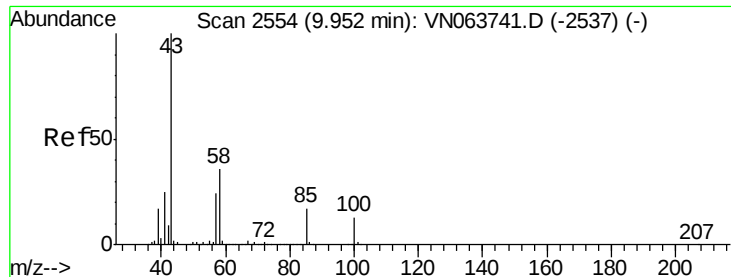
Abundance Ion 98.00 (97.70 to 98.70): VN063743.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN063743.D (-2494) (-)



Time-->





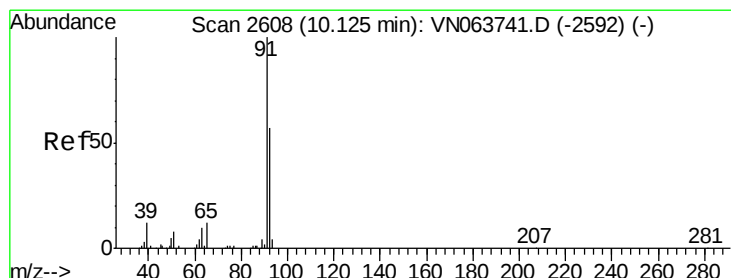
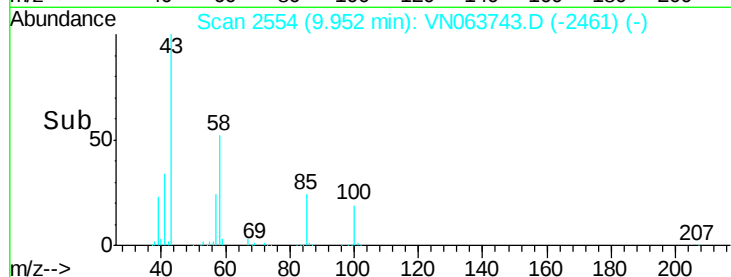
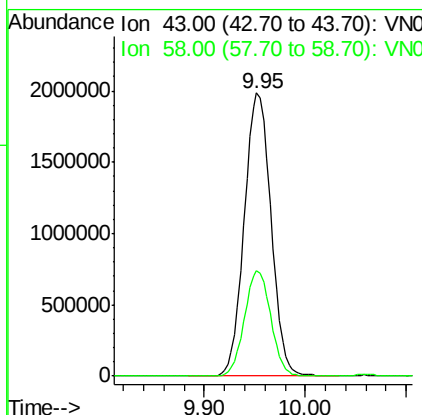
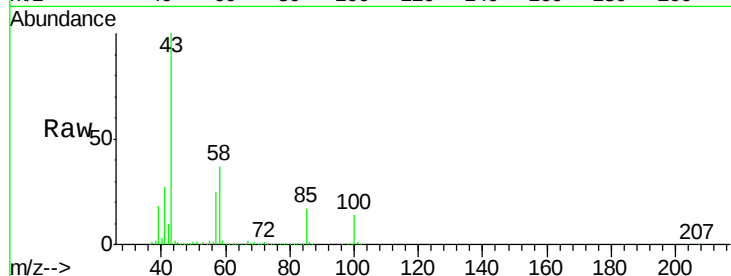
#51
 4-Methyl-2-Pentanone
 Concen: 757.496 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 3629311
 Ion Ratio Lower Upper
 43 100
 58 36.6 28.4 42.6

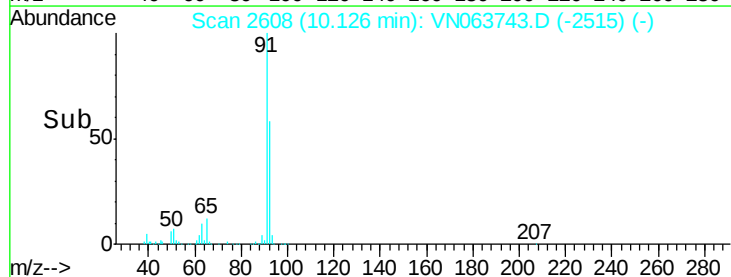
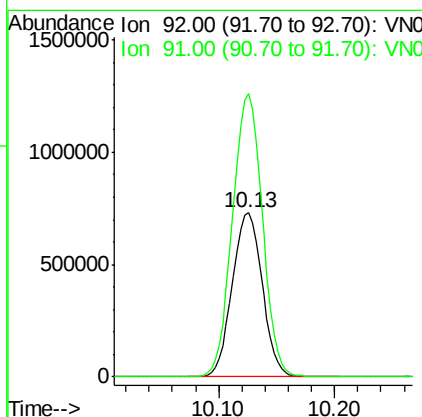
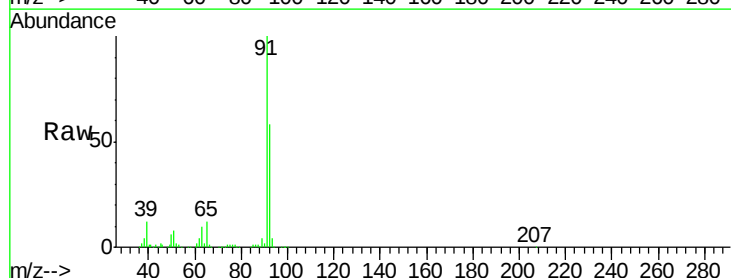
Manual Integrations
 APPROVED

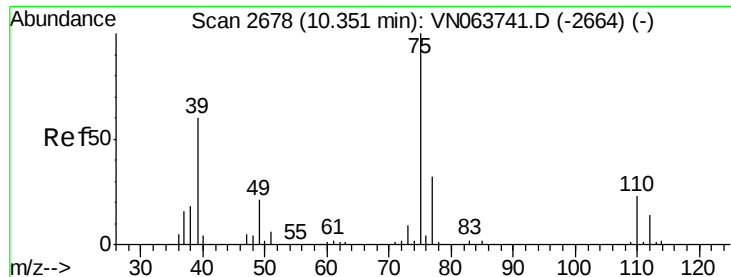
MMDadoda
 10/1/2020 2:40:22 PM



#52
 Toluene
 Concen: 157.051 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Tgt Ion: 92 Resp: 1312087
 Ion Ratio Lower Upper
 92 100
 91 172.4 140.6 210.8





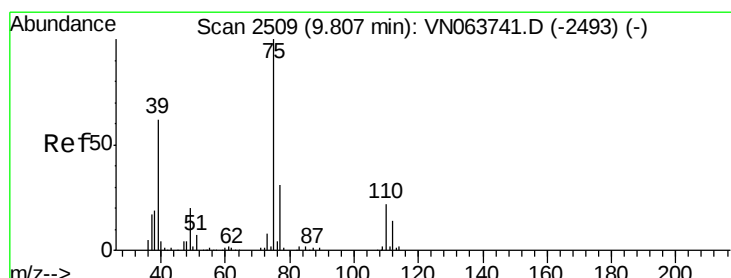
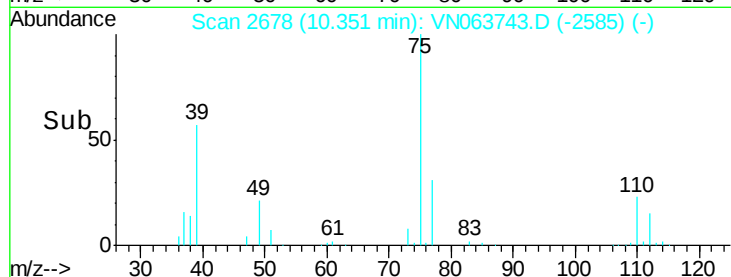
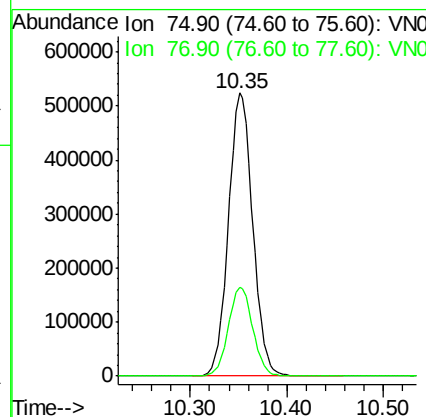
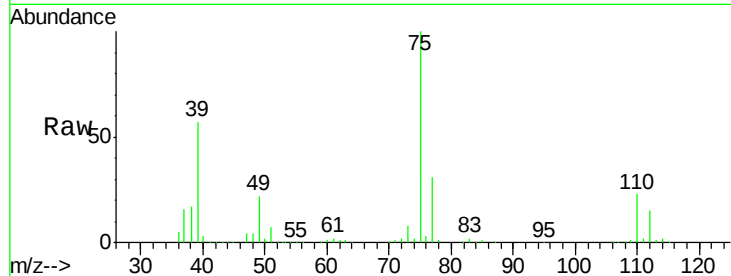
#53
t-1,3-Dichloropropene
Concen: 158.210 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 911647
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9

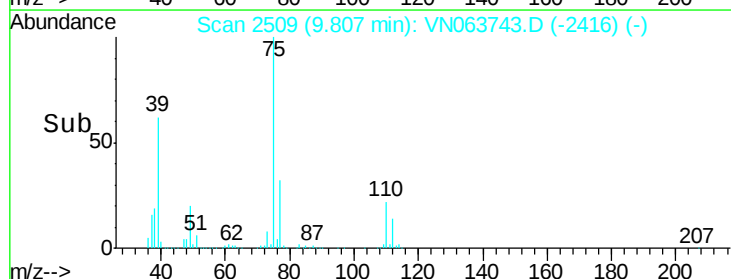
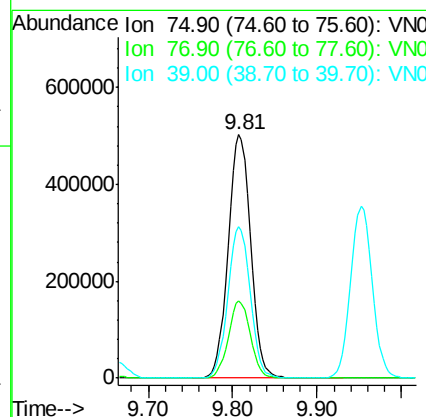
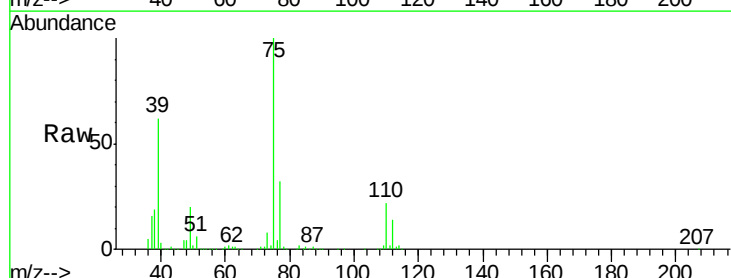
Manual Integrations
APPROVED

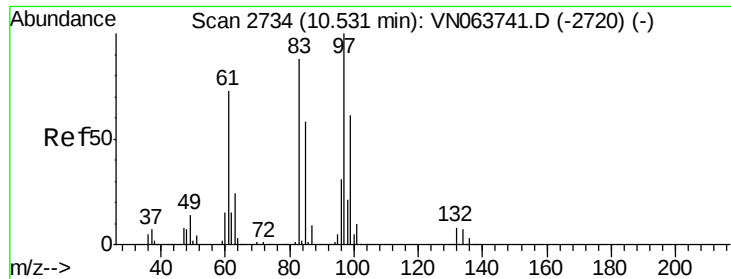
MMDadoda
10/1/2020 2:40:22 PM



#54
cis-1,3-Dichloropropene
Concen: 153.594 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion: 75 Resp: 930387
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8
39 62.3 49.7 74.5





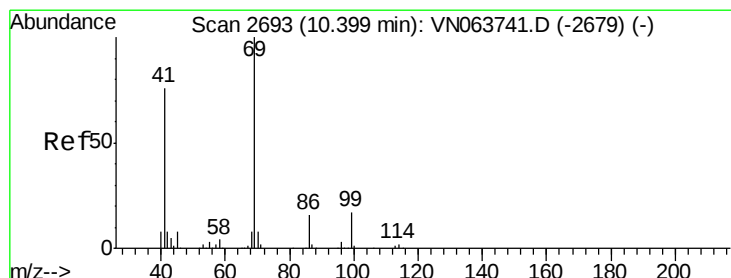
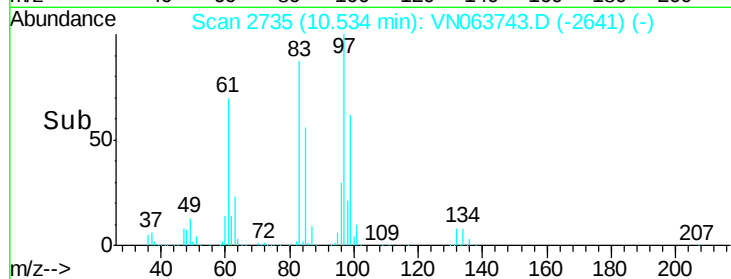
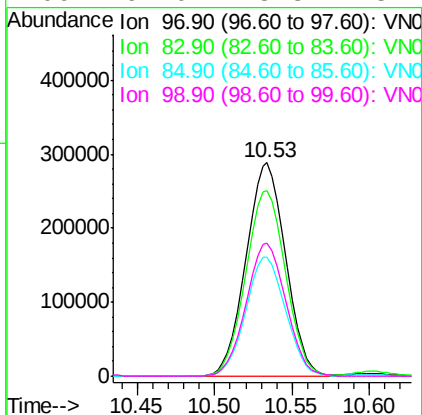
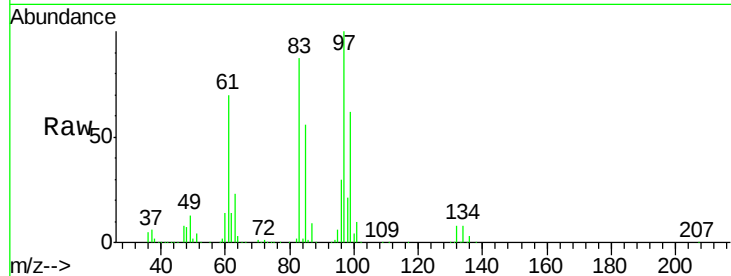
#55
 1,1,2-Trichloroethane
 Concen: 154.548 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	51536
Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.7	106.1
85	55.7	46.1	69.1
99	62.0	48.8	73.2

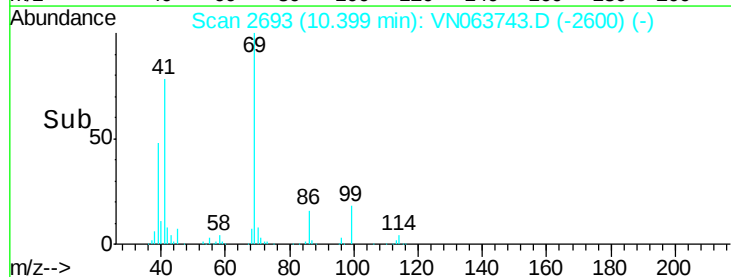
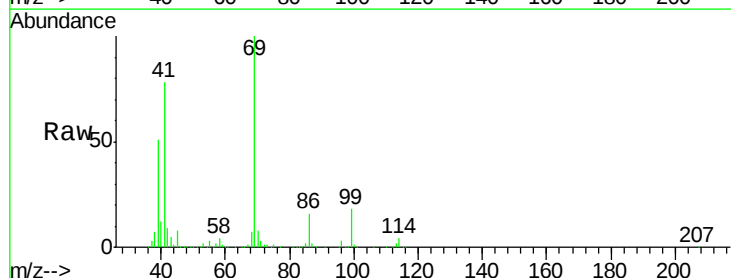
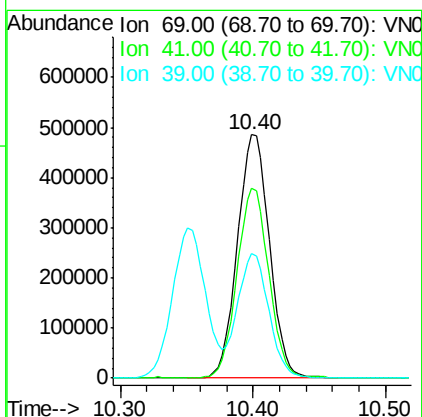
Manual Integrations
 APPROVED

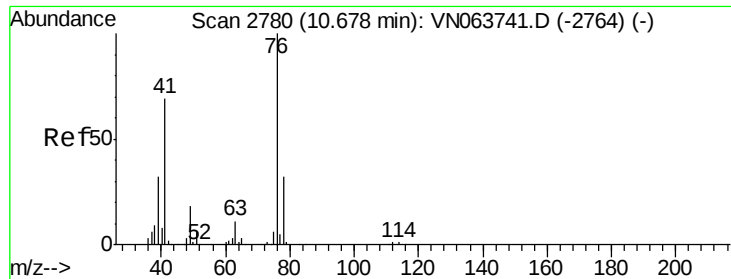
MMDadoda
 10/1/2020 2:40:22 PM



#56
 Ethyl methacrylate
 Concen: 158.528 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Tgt Ion:	69	Resp:	816827
Ion	Ratio	Lower	Upper
69	100		
41	76.9	61.1	91.7
39	50.1	42.2	63.4





#57

1,3-Dichloropropane

Concen: 147.891 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 884362

Ion Ratio Lower Upper

76 100

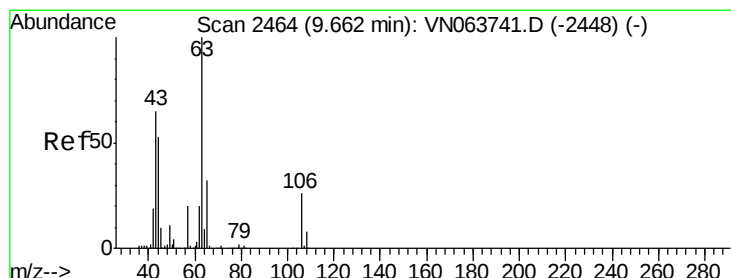
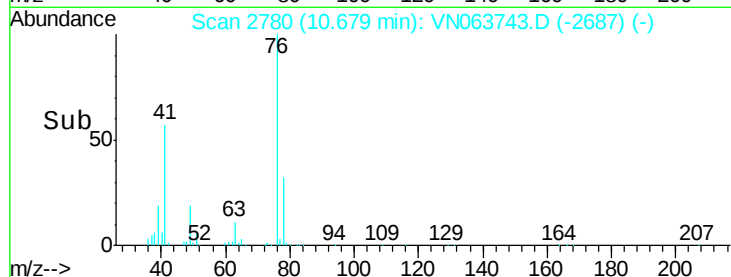
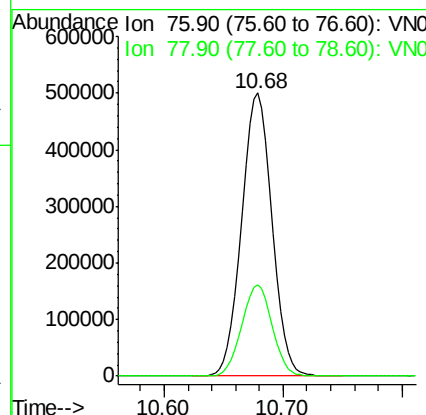
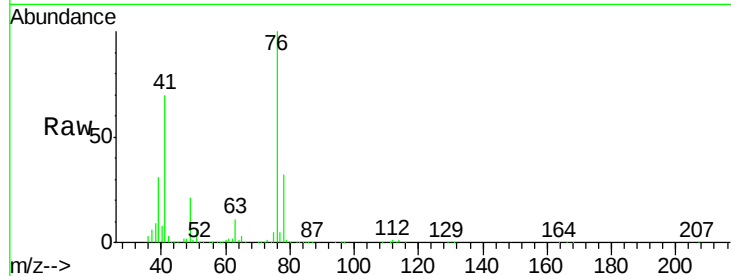
78 32.5 25.2 37.8

Manual Integrations

APPROVED

MMDadoda

10/1/2020 2:40:22 PM



#58

2-Chloroethyl Vinyl ether

Concen: 777.209 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063743.D

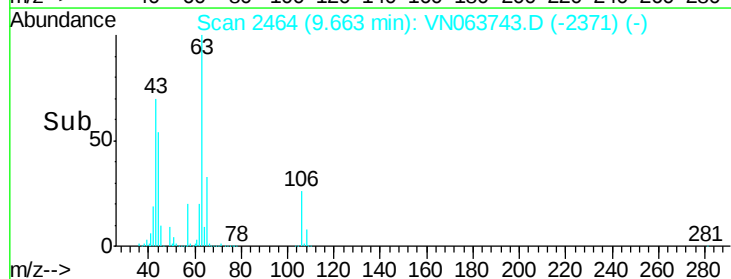
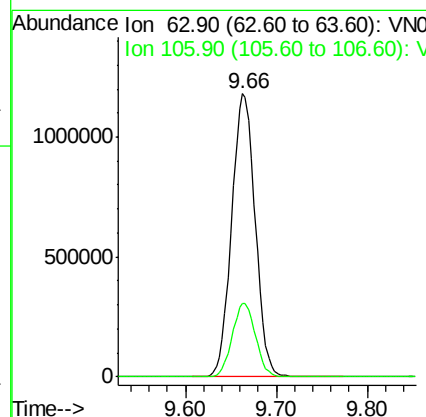
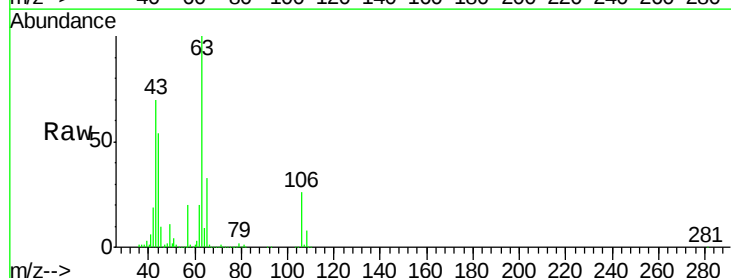
Acq: 30 Sep 2020 12:00

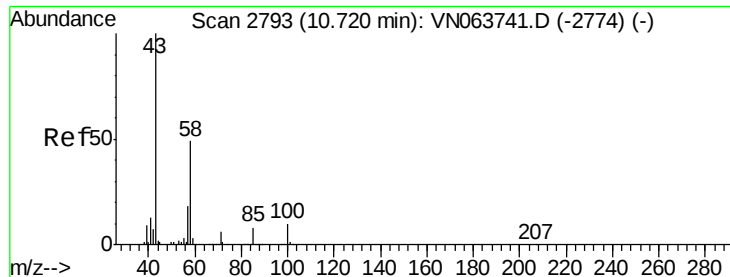
Tgt Ion: 63 Resp: 2120005

Ion Ratio Lower Upper

63 100

106 25.9 20.7 31.1





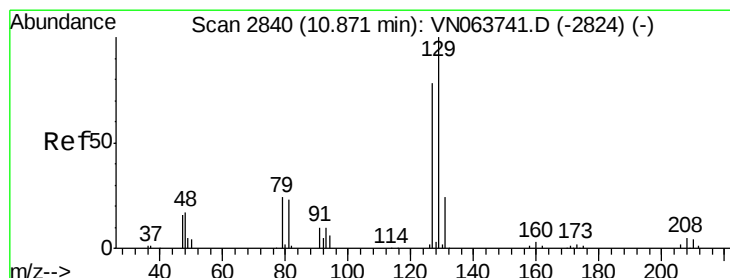
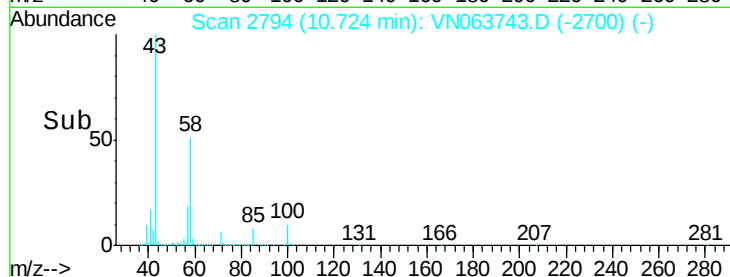
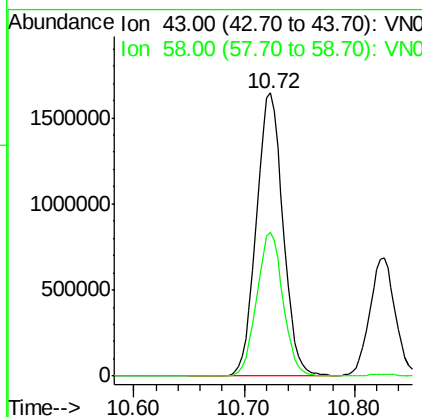
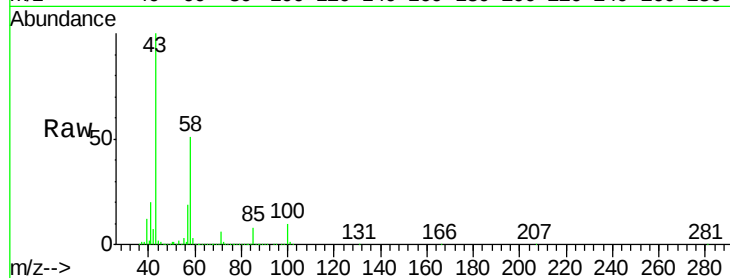
#59
2-Hexanone
Concen: 794.680 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2759713
Ion Ratio Lower Upper
43 100
58 50.1 24.6 73.8

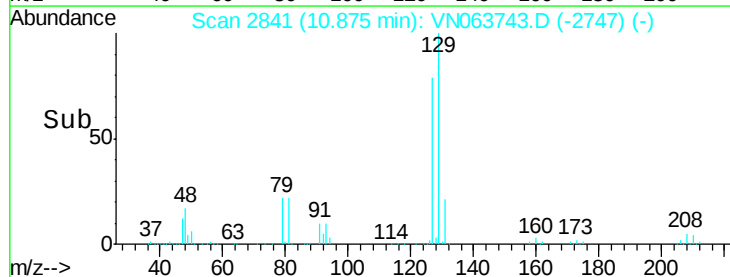
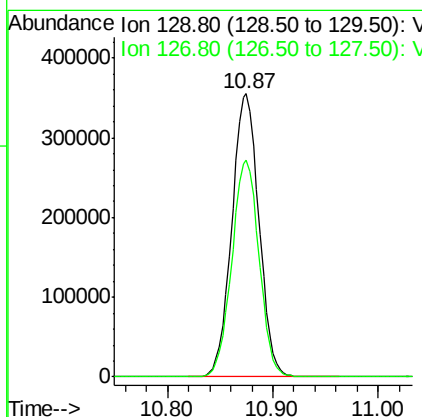
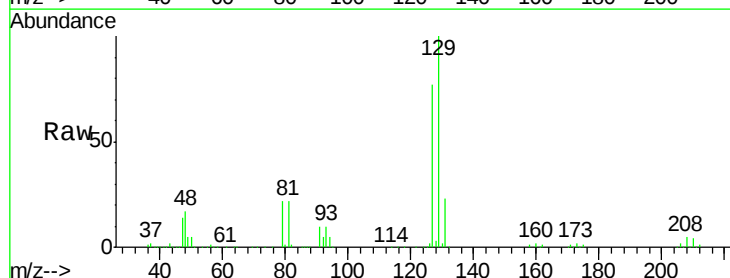
Manual Integrations
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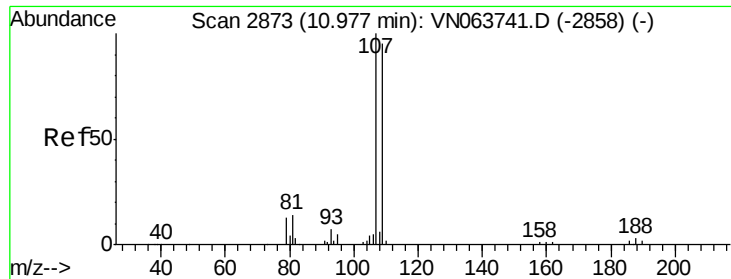
MMDadoda
10/1/2020 2:40:22 PM



#60
Dibromochloromethane
Concen: 167.530 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion: 129 Resp: 632136
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





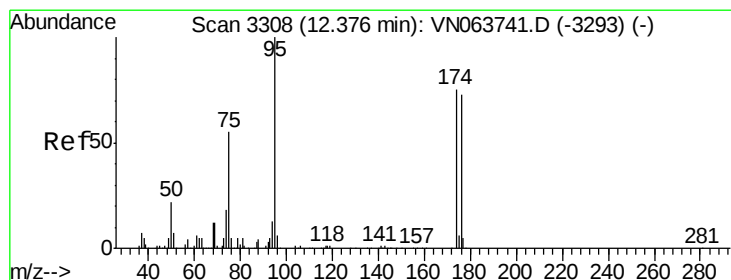
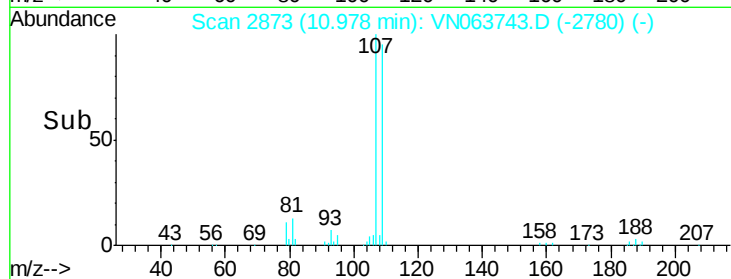
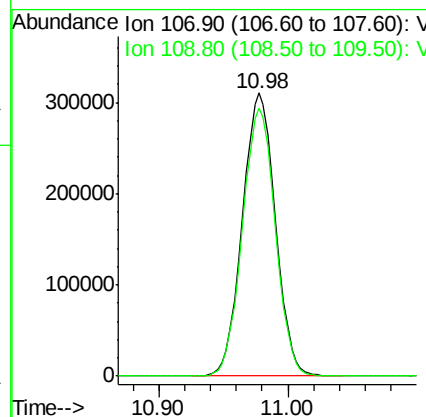
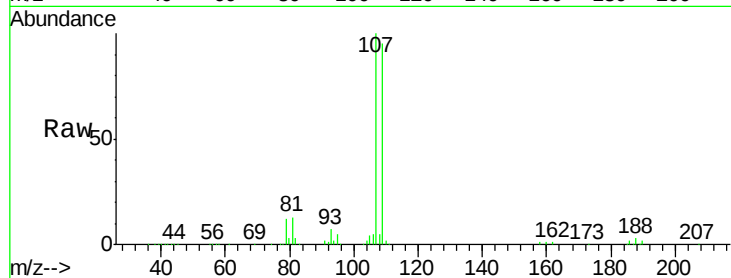
#61
 1,2-Dibromoethane
 Concen: 159.437 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.8	112.2

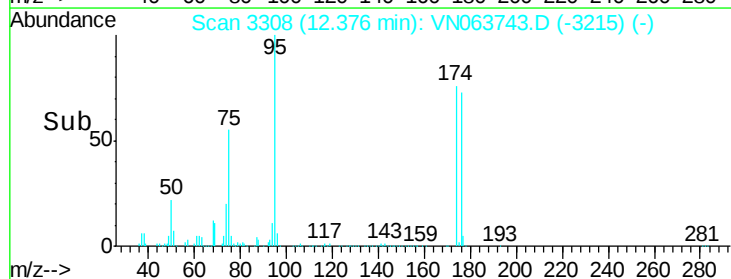
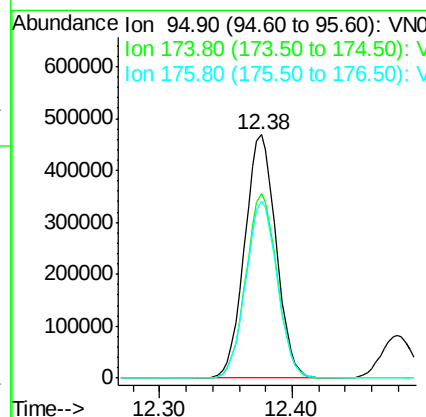
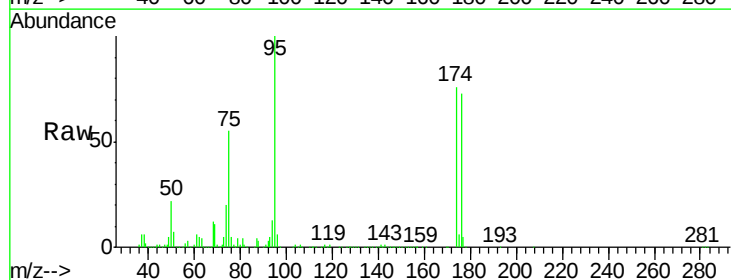
Manual Integrations
 APPROVED

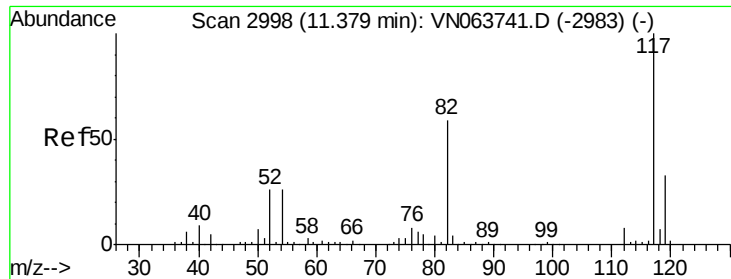
MMDadoda
 10/1/2020 2:40:22 PM



#62
 4-Bromofluorobenzene
 Concen: 174.155 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	150.6
176	72.8	0.0	145.4





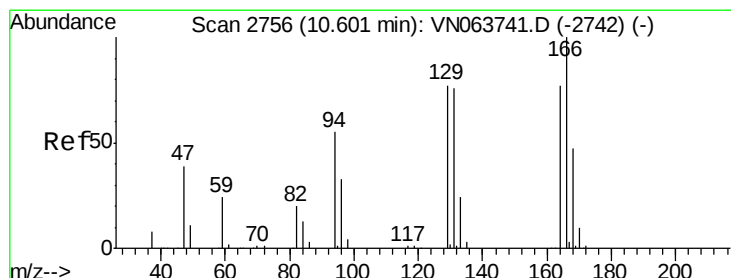
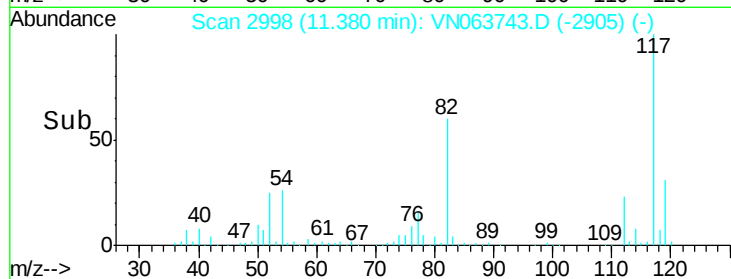
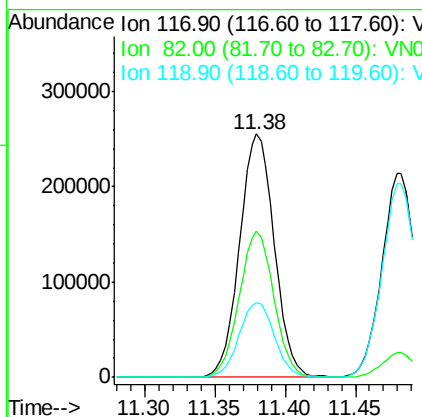
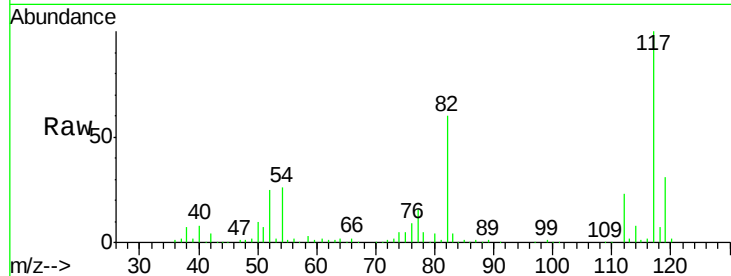
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	440885		
82	60.0	47.4	71.2	
119	30.8	26.4	39.6	

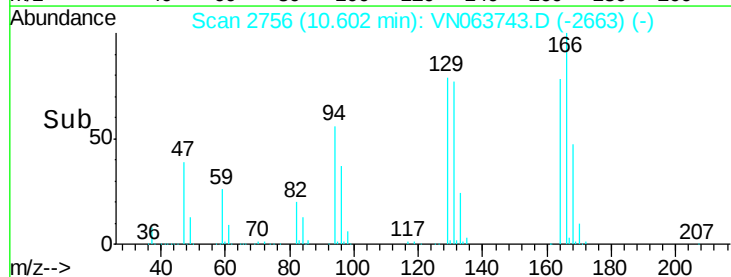
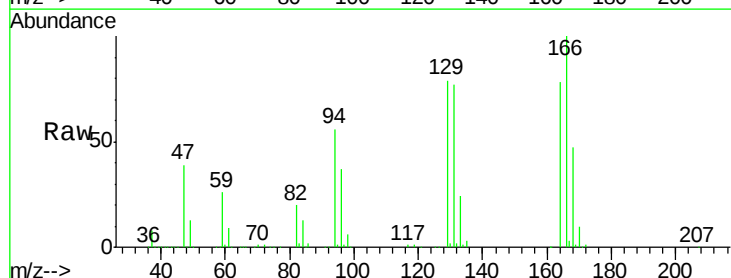
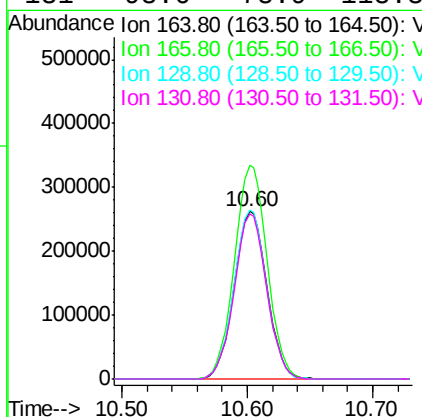
Manual Integrations
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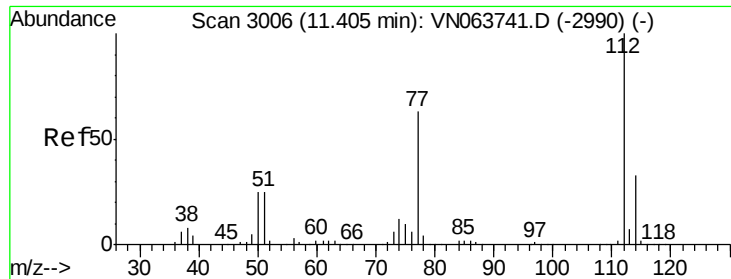
MMDadoda
10/1/2020 2:40:22 PM



#64
Tetrachloroethene
Concen: 157.113 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	475366		
166	127.7	103.9	155.9	
129	100.8	80.3	120.5	
131	98.6	78.9	118.3	





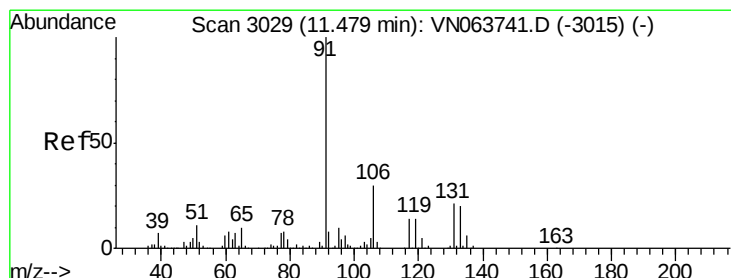
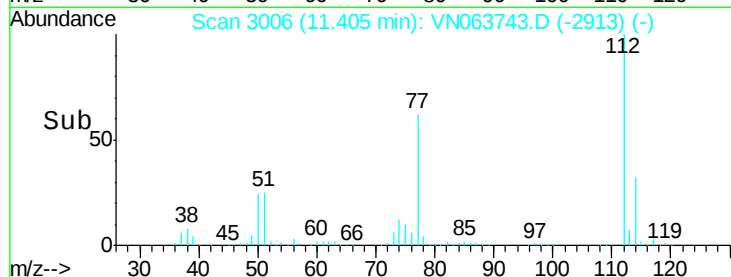
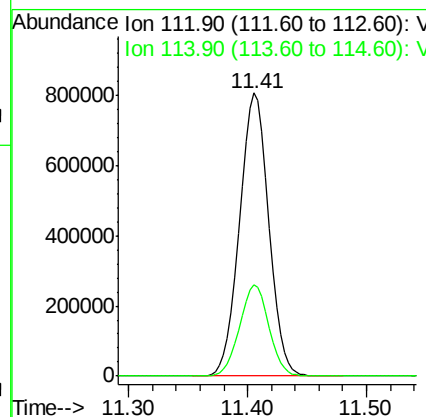
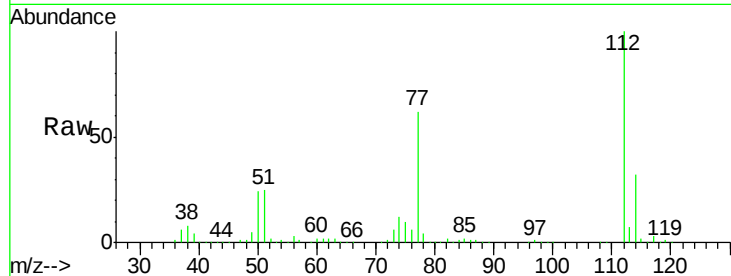
#65
Chlorobenzene
Concen: 148.697 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1372550
Ion Ratio Lower Upper
112 100
114 32.3 26.1 39.1

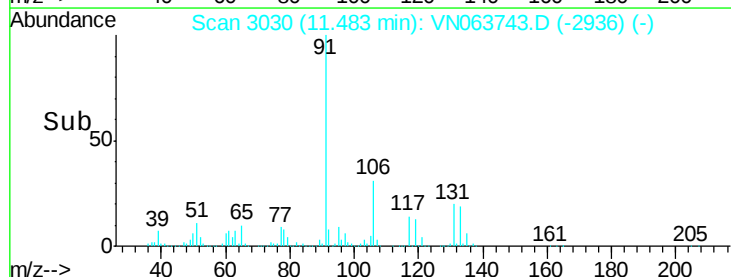
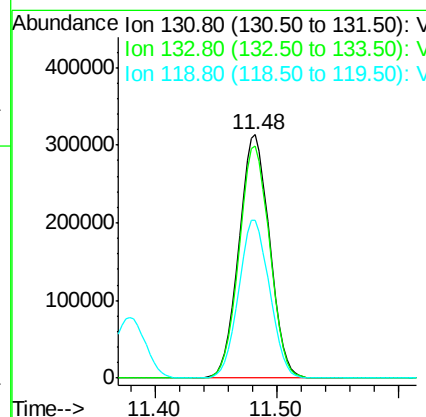
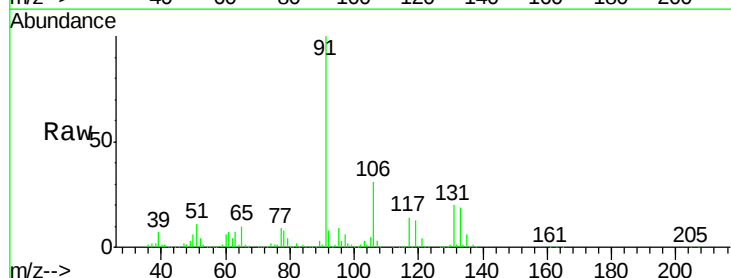
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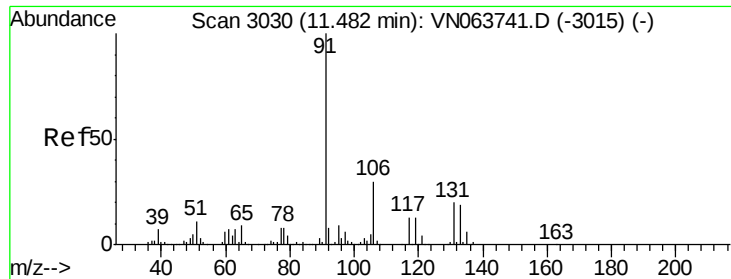
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 159.773 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion:131 Resp: 545181
Ion Ratio Lower Upper
131 100
133 95.4 47.3 141.8
119 65.2 32.6 97.7





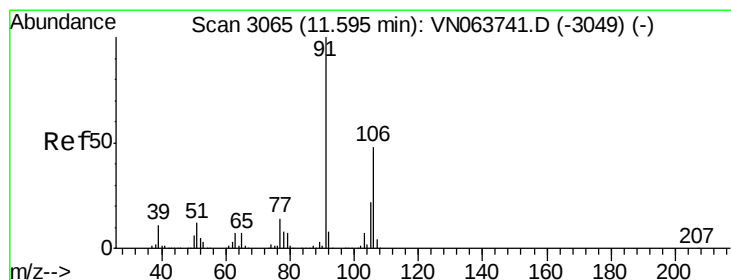
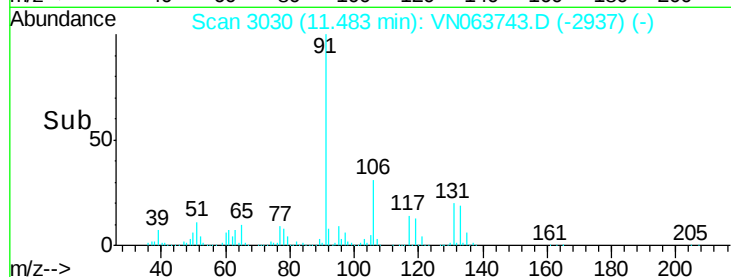
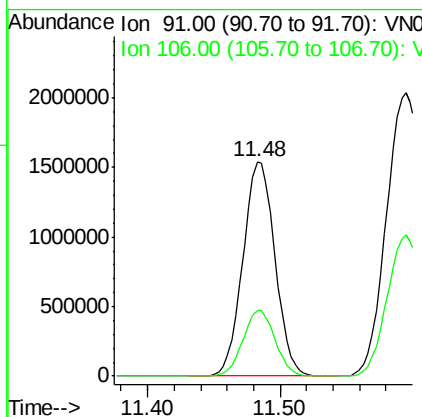
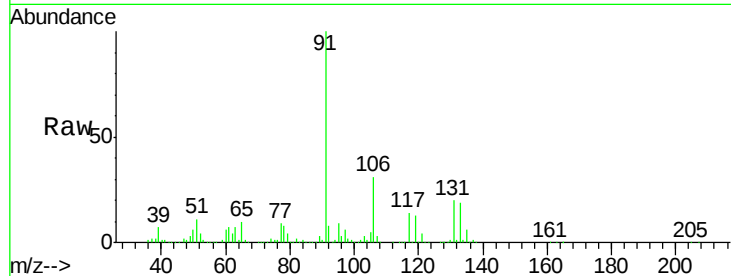
#67
Ethyl Benzene
Concen: 148.975 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2589924
Ion Ratio Lower Upper
91 100
106 30.8 24.2 36.2

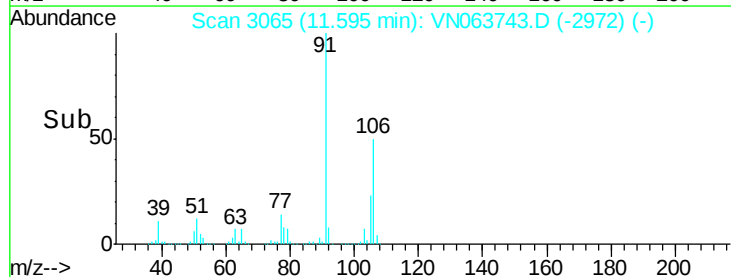
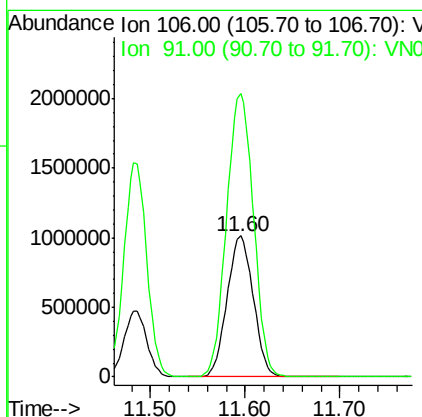
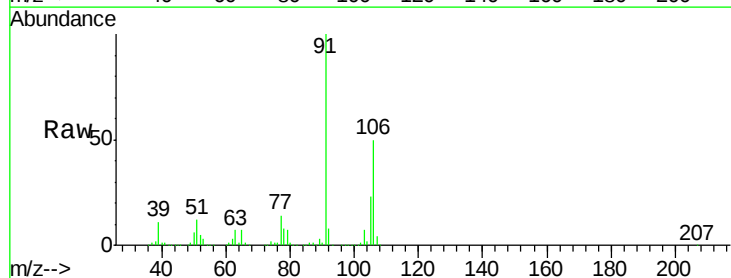
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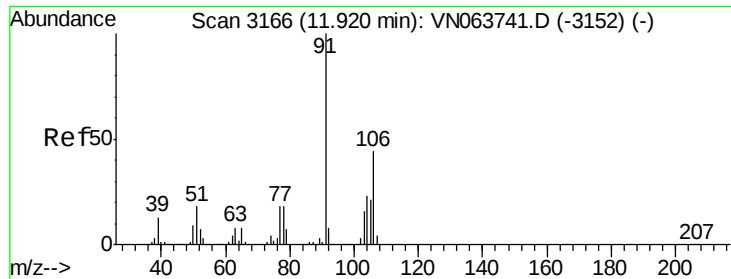
MMDadoda
10/1/2020 2:40:22 PM



#68
m/p-Xylenes
Concen: 309.641 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion: 106 Resp: 1946018
Ion Ratio Lower Upper
106 100
91 206.6 168.0 252.0





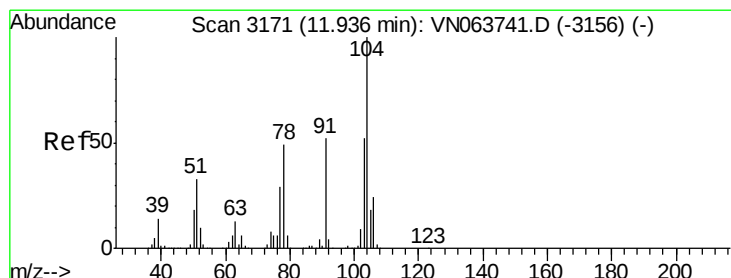
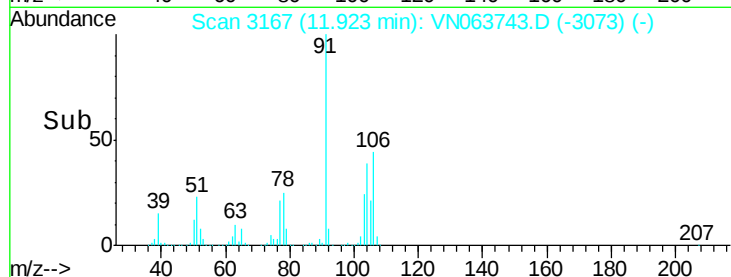
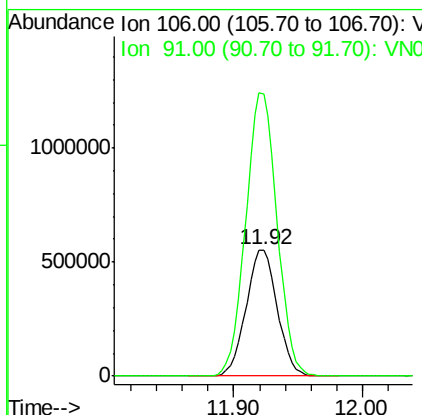
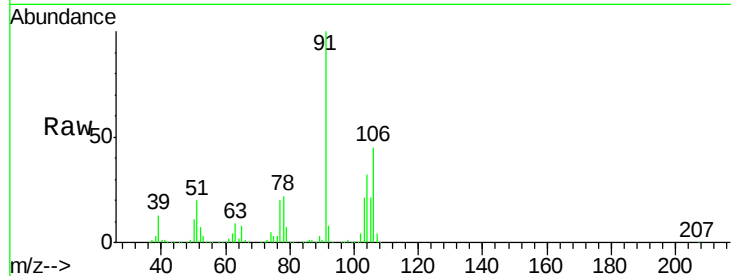
#69
o-Xylene
Concen: 156.060 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		931459		
91	225.2	112.7	338.0		

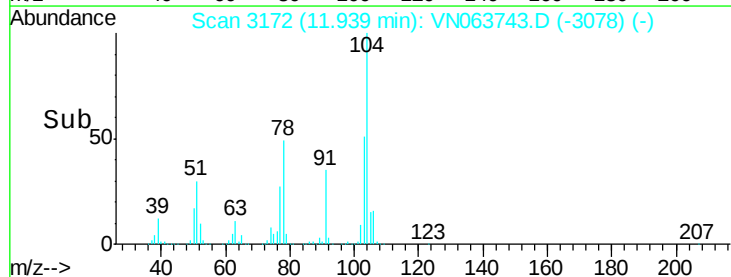
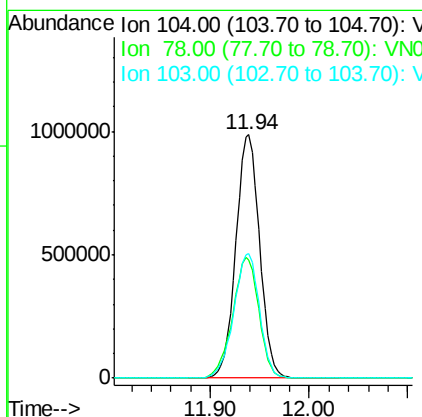
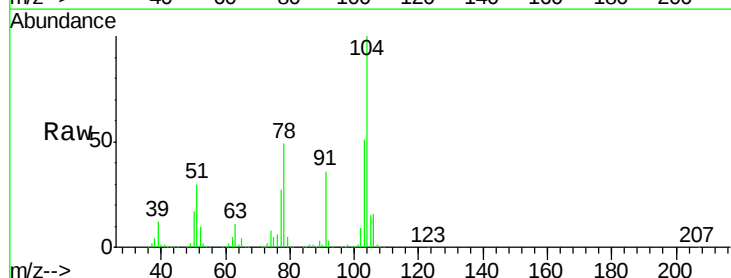
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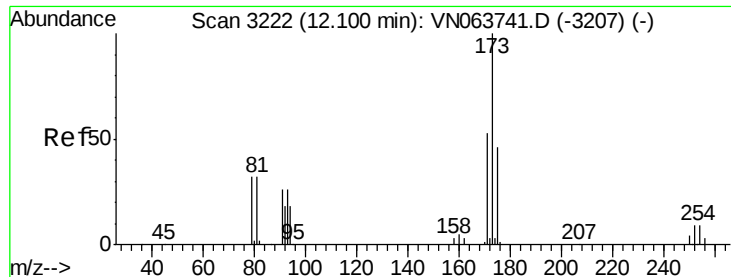
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#70
Styrene
Concen: 164.942 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1651380		
78	54.8	44.1	66.1		
103	55.3	44.3	66.5		





#71

Bromoform

Concen: 176.093 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 449022

Ion Ratio Lower Upper

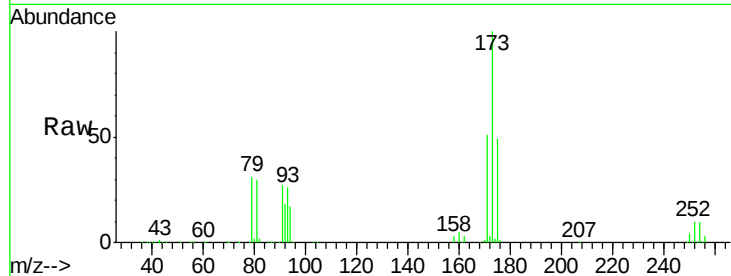
173 100

175 48.4 23.5 70.5

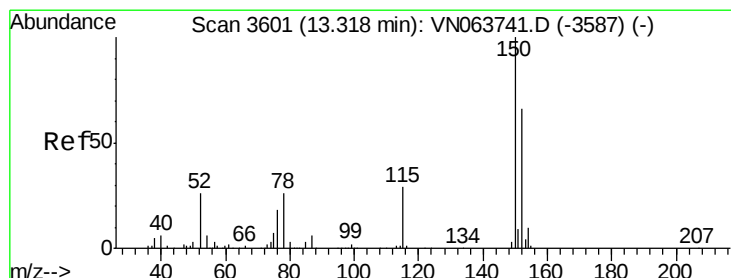
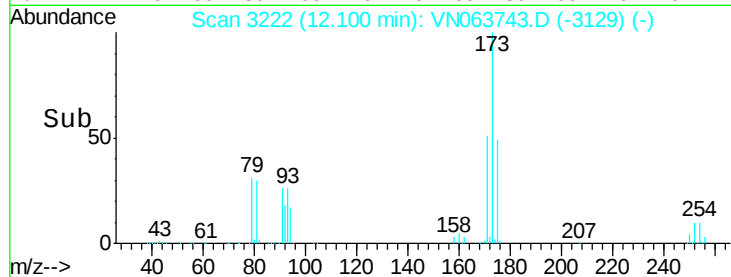
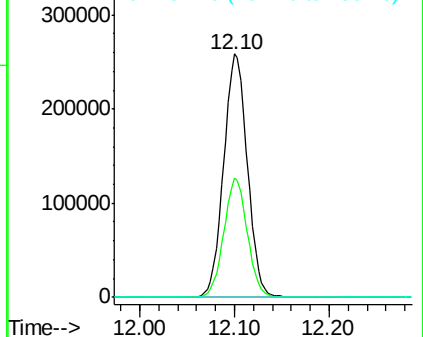
254 0.1 0.0 0.0#

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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: VN063743.D

Acq: 30 Sep 2020 12:00

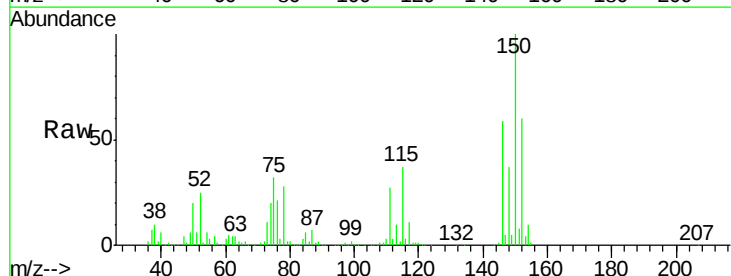
Tgt Ion:152 Resp: 232390

Ion Ratio Lower Upper

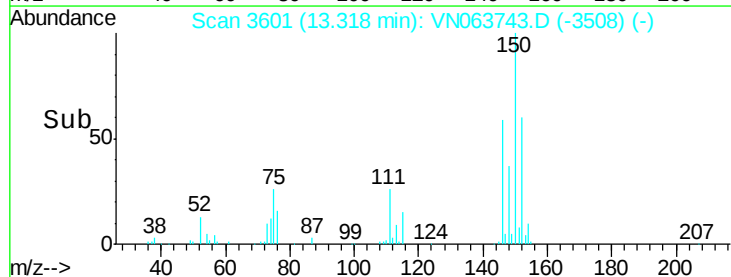
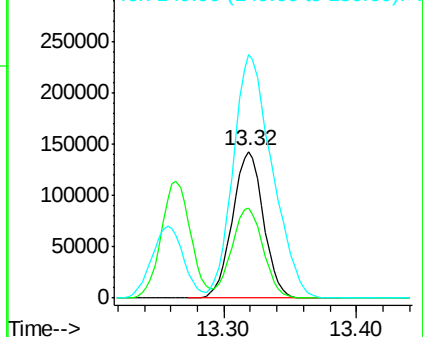
152 100

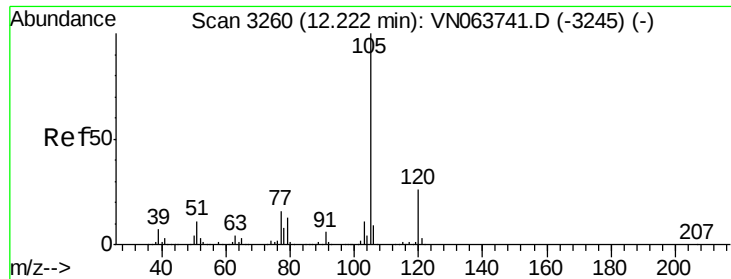
115 62.5 31.3 93.8

150 207.8 0.0 341.8



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: 139.447 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2555034

Ion Ratio Lower Upper

105 100

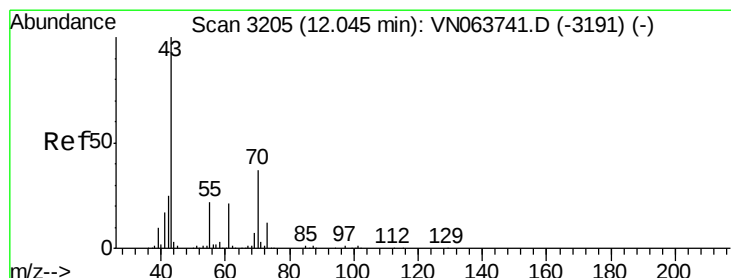
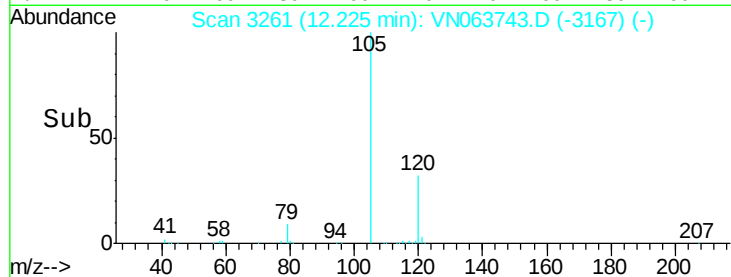
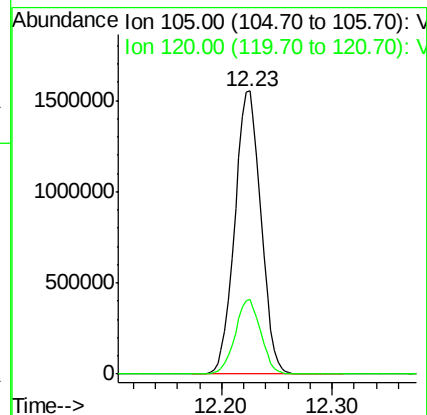
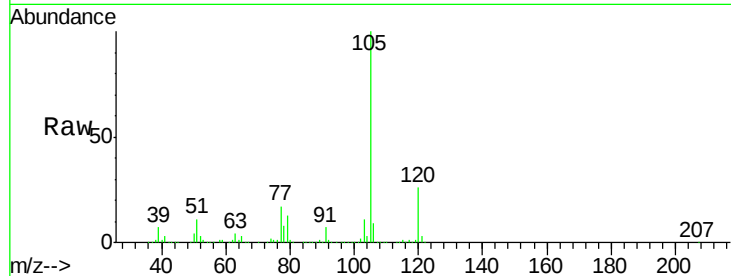
120 25.8 12.6 37.8

Manual Integrations

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10/1/2020 2:40:22 PM



#74

N-ethyl acetate

Concen: 143.664 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Tgt Ion: 43 Resp: 1231941

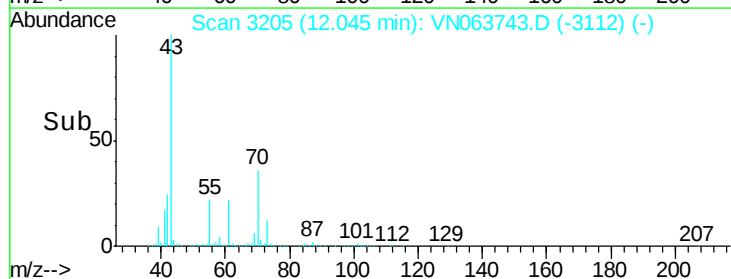
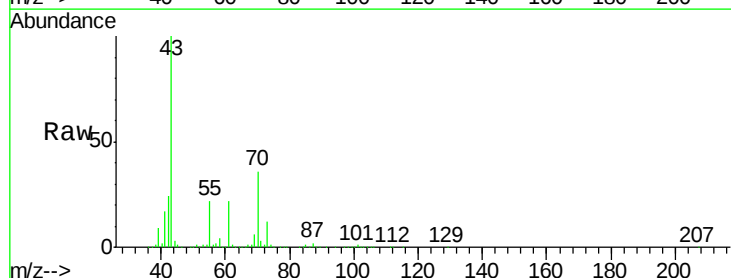
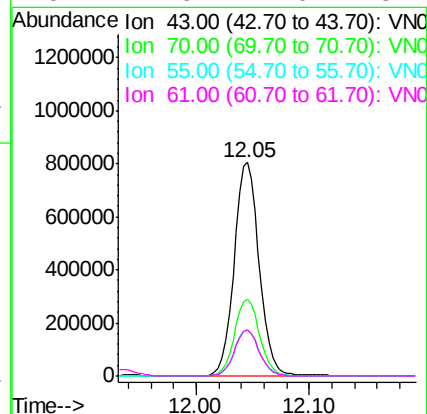
Ion Ratio Lower Upper

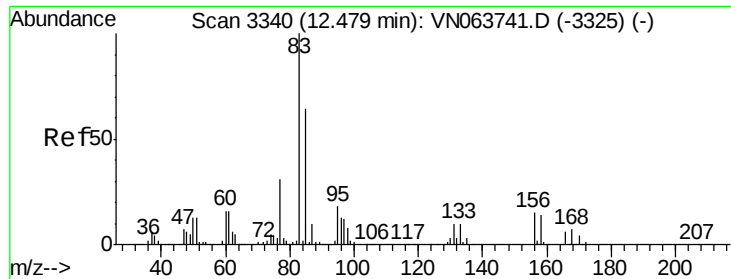
43 100

70 36.5 29.8 44.8

55 22.0 17.9 26.9

61 21.6 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 134.401 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

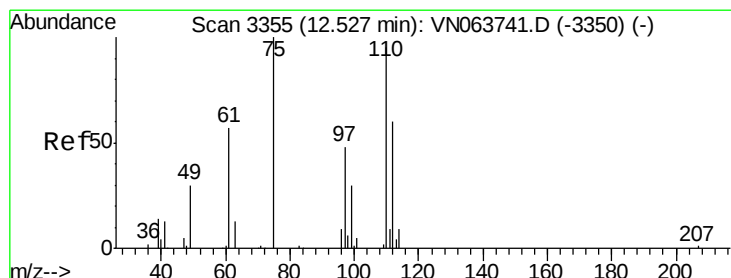
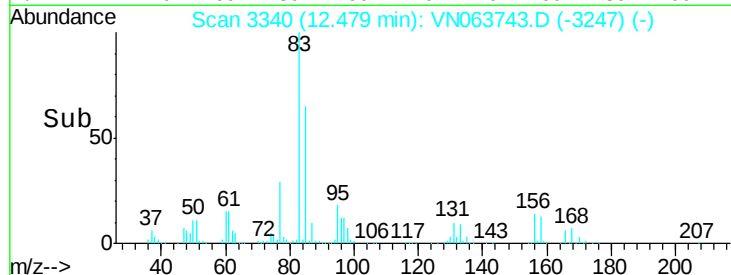
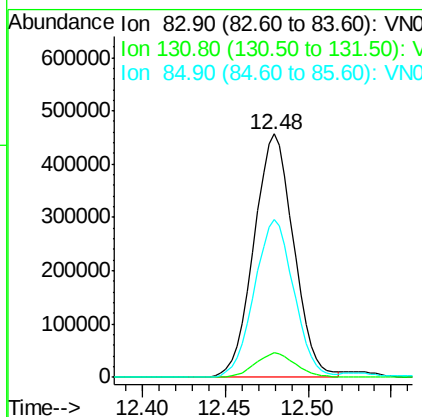
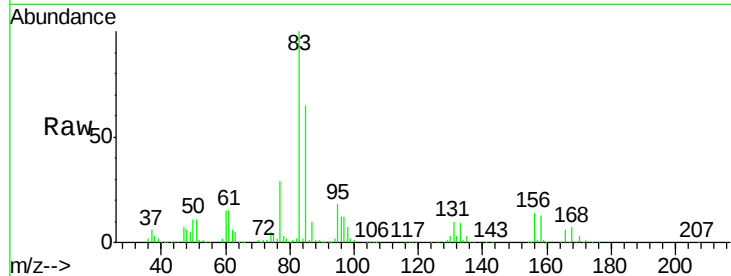
ClientSampled :

VSTDIC150

Tot Ion:	83	Resp:	762401
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	64.5	31.3	93.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 140.194 ug/l m

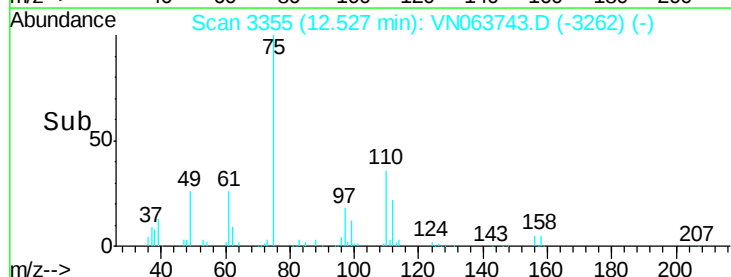
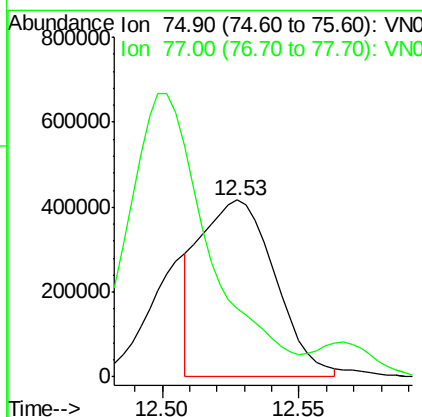
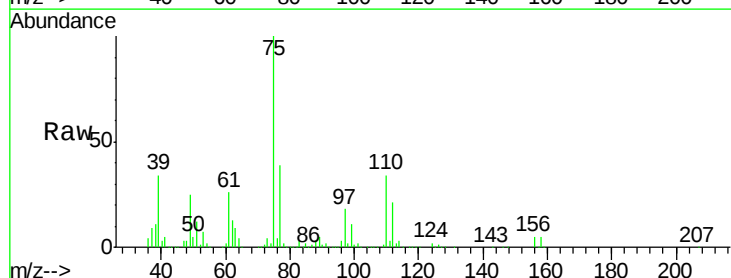
RT: 12.53 min Scan# 3355

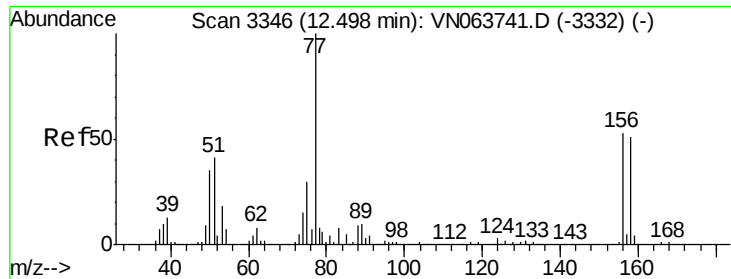
Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Tgt Ion:	75	Resp:	792904
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 148.751 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

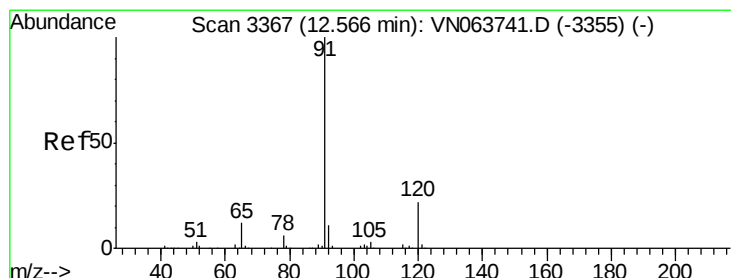
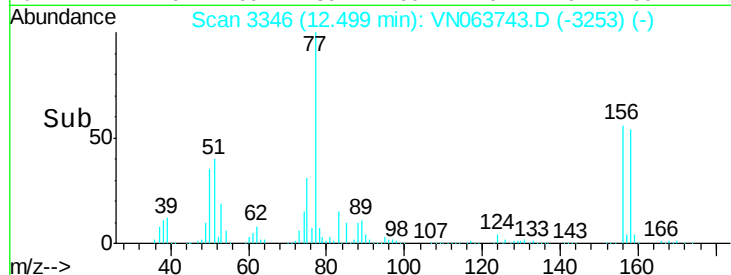
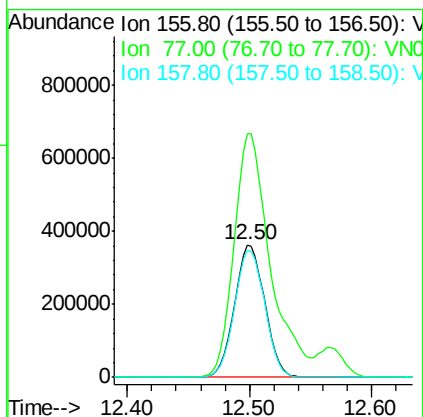
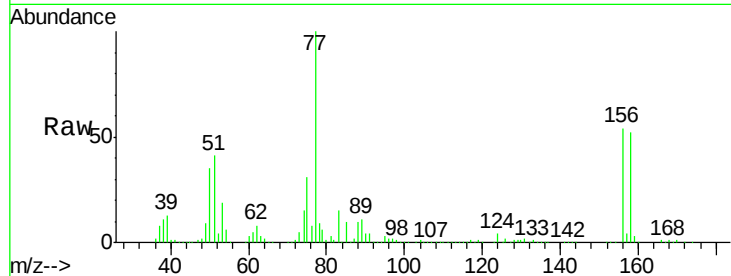
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.9	110.9	332.7
158	96.9	47.7	143.1

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#78

n-propylbenzene

Concen: 139.649 ug/l

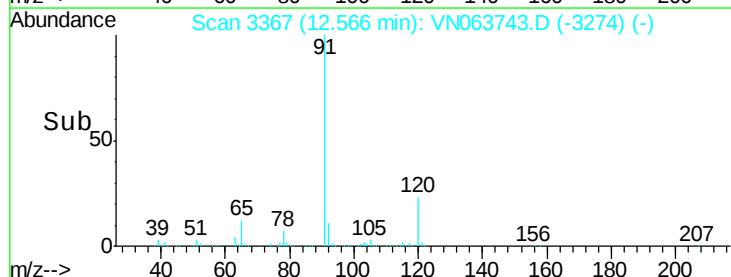
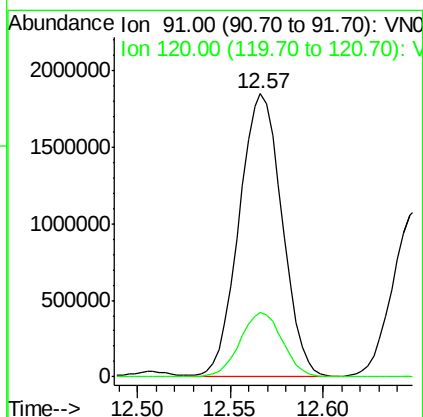
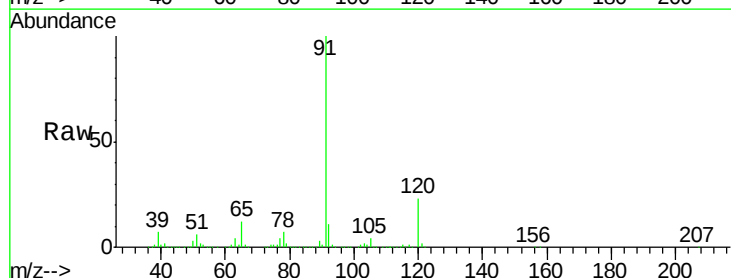
RT: 12.57 min Scan# 3367

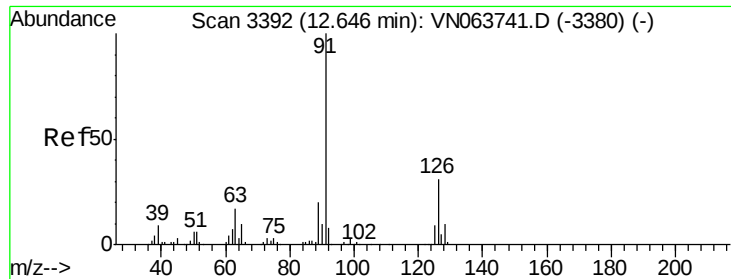
Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.1	33.1





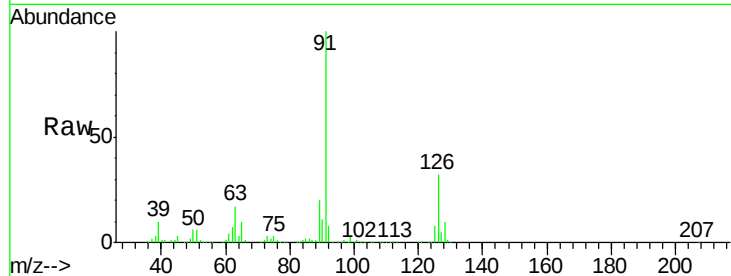
#79
 2-Chlorotoluene
 Concen: 140.573 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

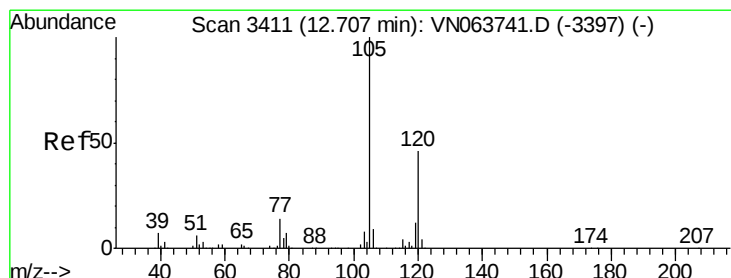
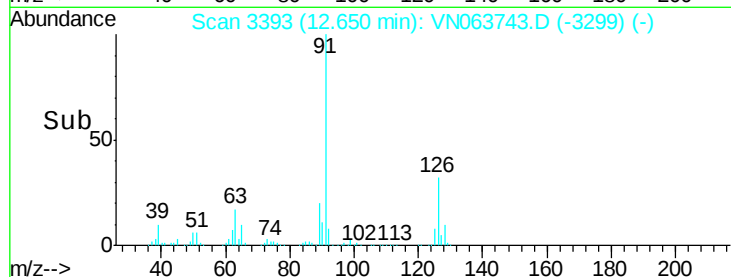
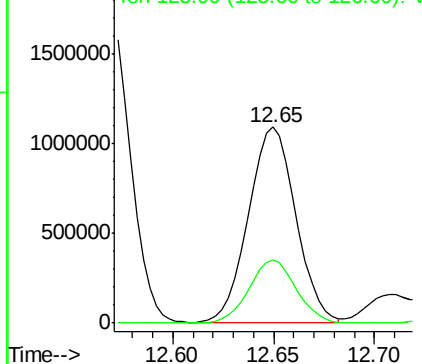
Tot Ion: 91 Resp: 1799240
 Ion Ratio Lower Upper
 91 100
 126 32.0 15.9 47.7

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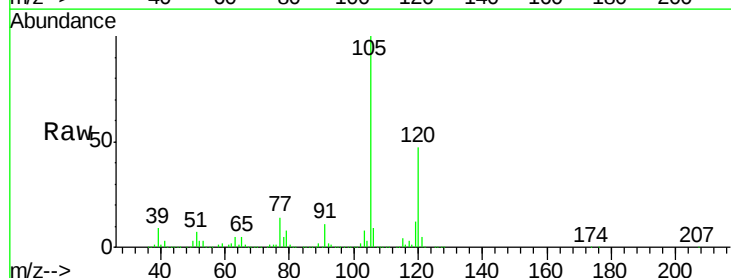


Abundance Ion 91.00 (90.70 to 91.70): VN063743.D (-3392) (-)
 Ion 125.90 (125.60 to 126.60): VN063743.D (-3392) (-)

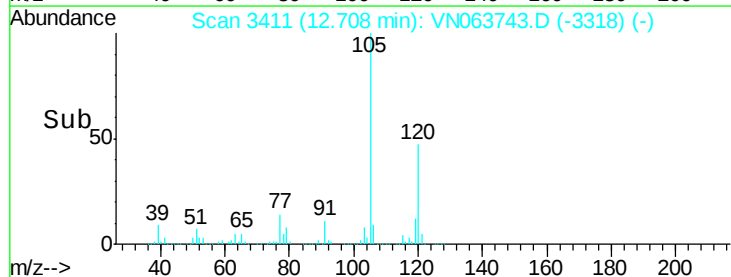
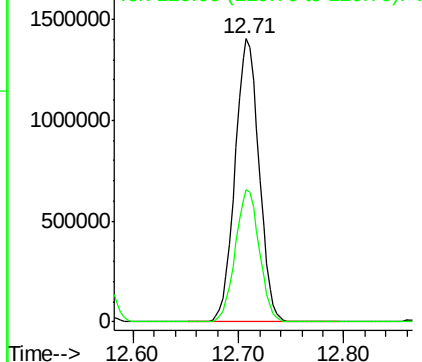


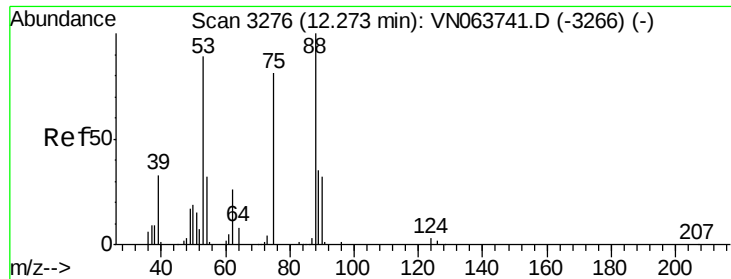
#80
 1,3,5-Trimethylbenzene
 Concen: 144.605 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Tgt Ion: 105 Resp: 2203752
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063743.D (-3411) (-)
 Ion 120.00 (119.70 to 120.70): VN063743.D (-3411) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 143.654 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 294706

Ion Ratio Lower Upper

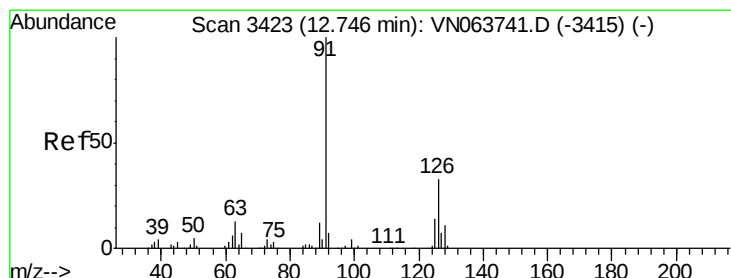
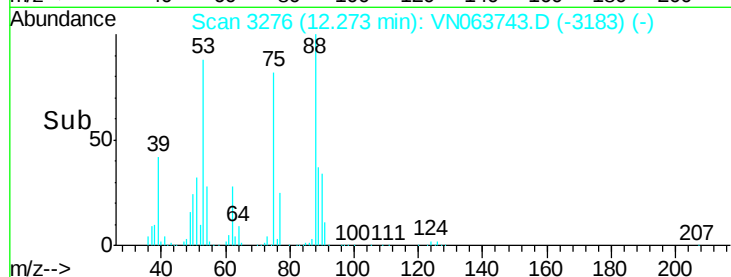
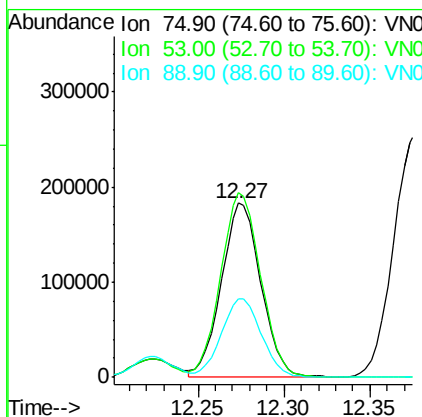
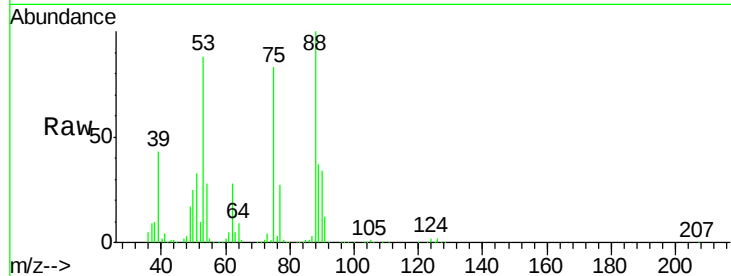
75 100

53 106.9 88.2 132.2

89 46.0 36.0 54.0

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#82

4-Chlorotoluene

Concen: 142.745 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN063743.D

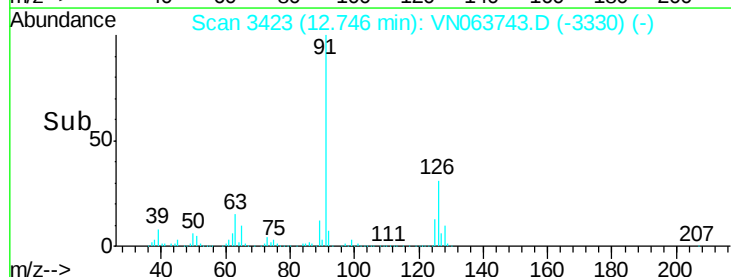
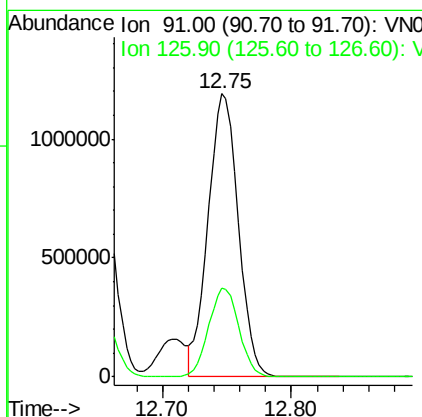
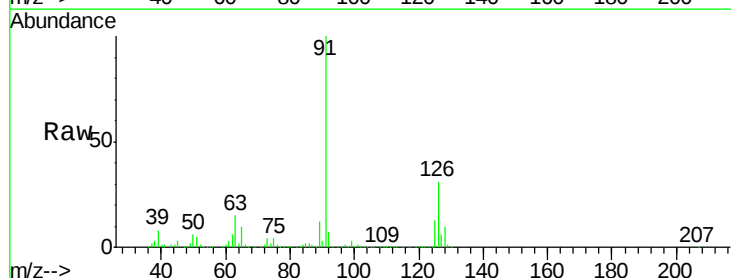
Acq: 30 Sep 2020 12:00

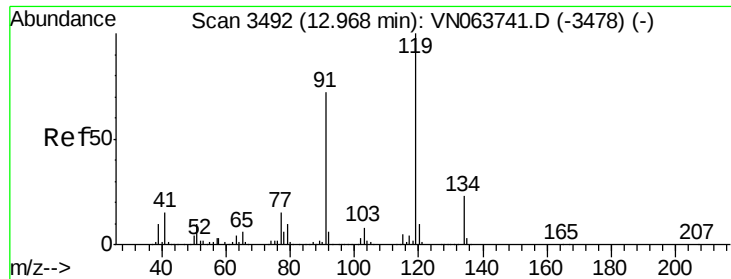
Tgt Ion: 91 Resp: 1932611

Ion Ratio Lower Upper

91 100

126 31.4 15.4 46.2





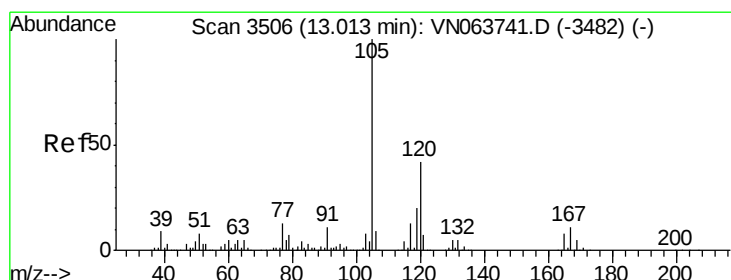
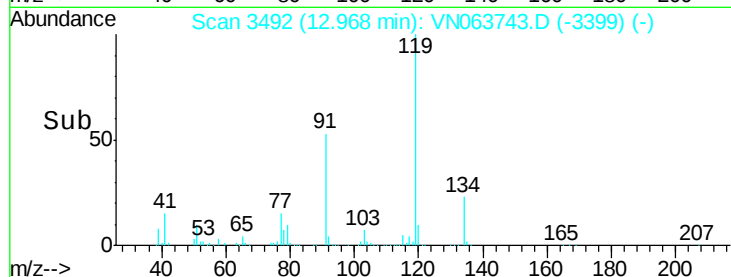
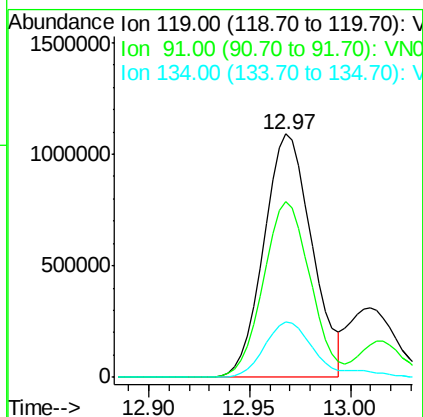
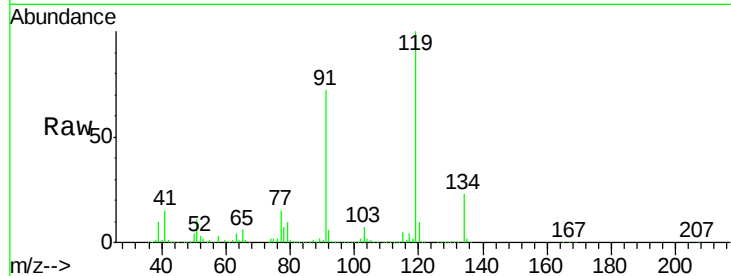
#83
tert-Butylbenzene
Concen: 143.572 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:119 Resp: 1808817
Ion Ratio Lower Upper
119 100
91 70.5 35.5 106.5
134 24.6 11.7 35.1

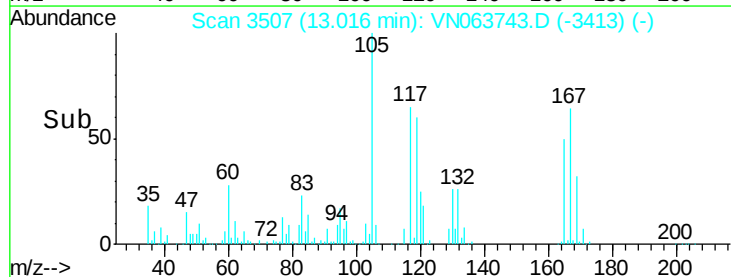
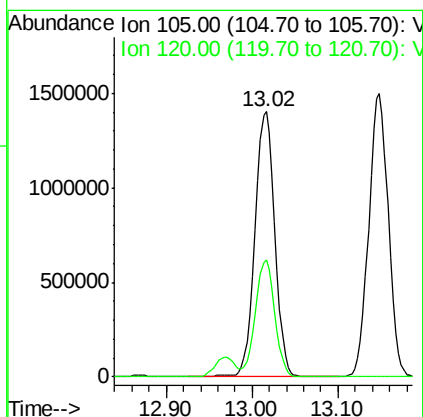
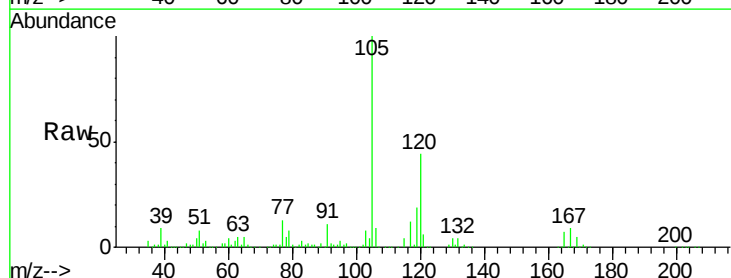
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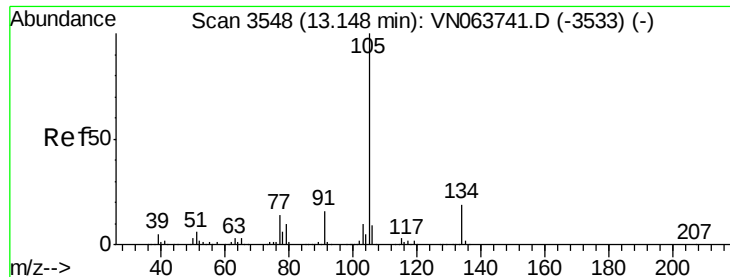
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#84
1,2,4-Trimethylbenzene
Concen: 146.609 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion:105 Resp: 2261600
Ion Ratio Lower Upper
105 100
120 43.0 20.9 62.7





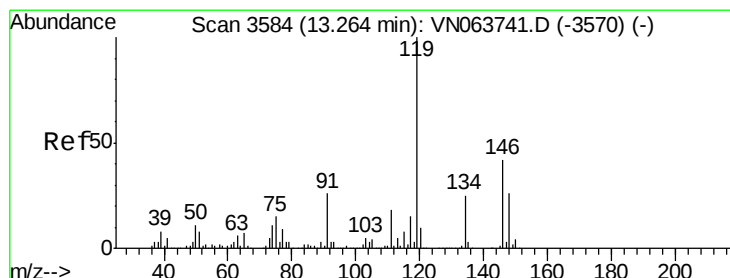
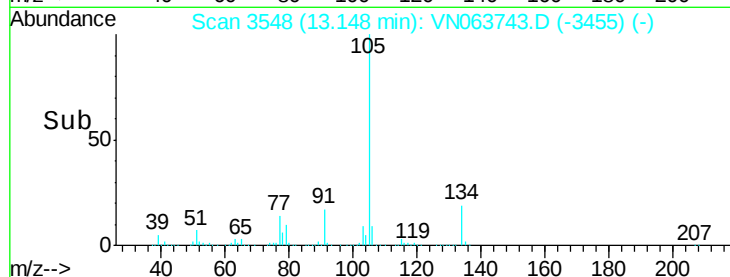
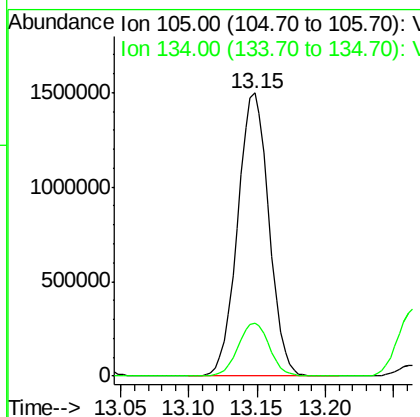
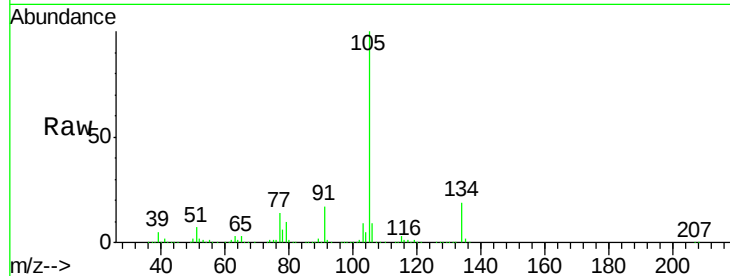
#85
 sec-Butylbenzene
 Concen: 140.962 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2371860
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.5 28.5

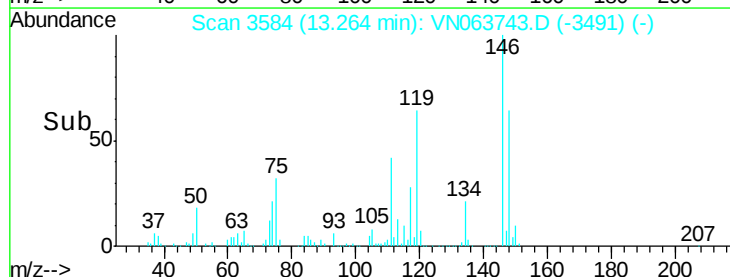
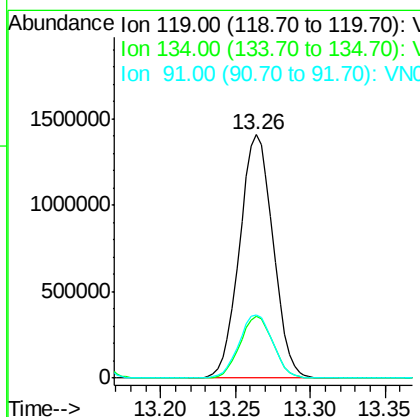
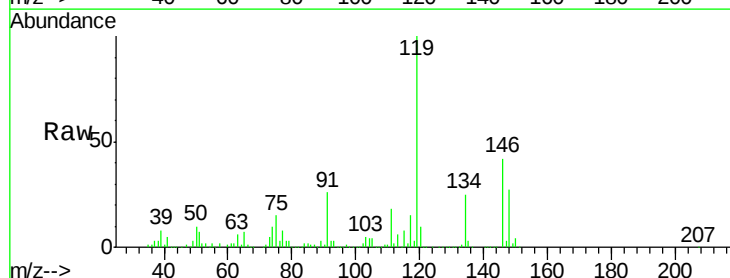
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 147.561 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Tgt Ion:119 Resp: 2191495
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.6 37.8
 91 26.4 13.4 40.2





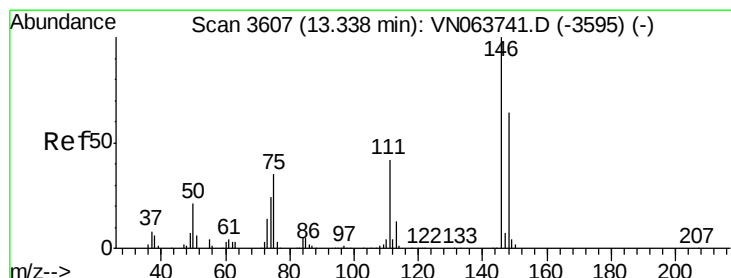
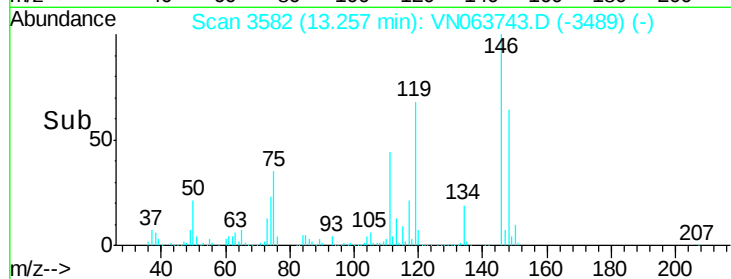
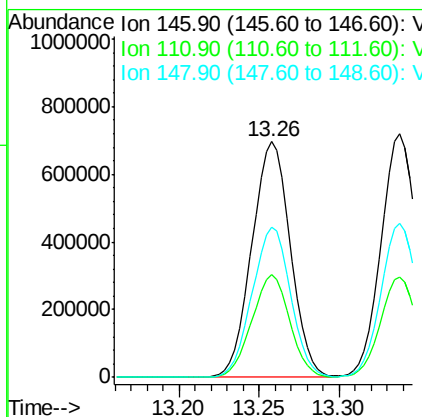
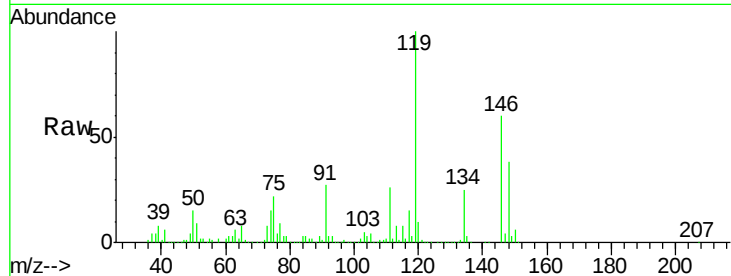
#87
 1,3-Dichlorobenzene
 Concen: 149.756 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	63.7	31.1	93.3

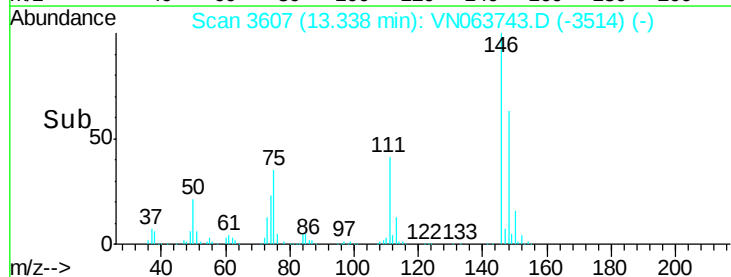
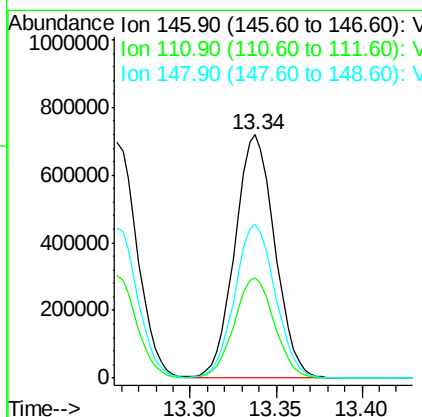
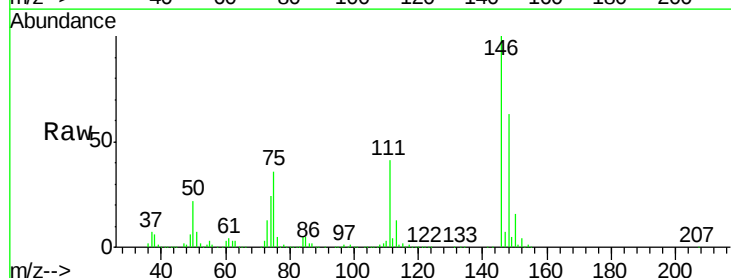
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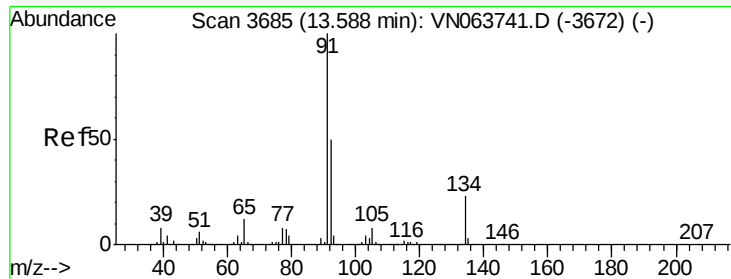
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#88
 1,4-Dichlorobenzene
 Concen: 148.465 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	63.7
148	64.3	32.0	96.0





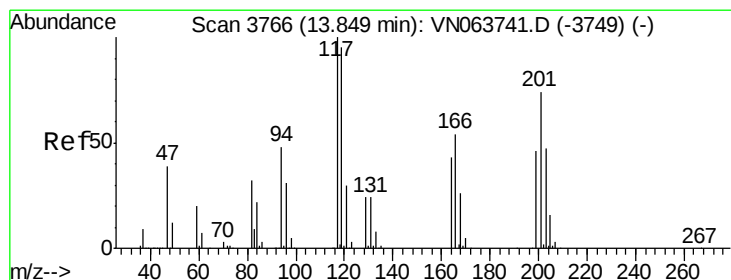
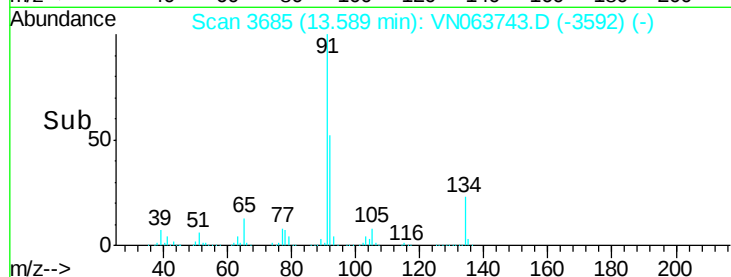
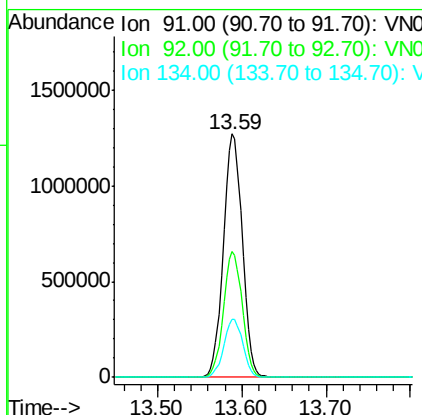
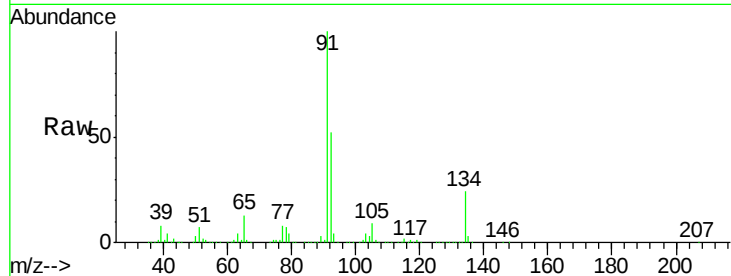
#89
n-Butylbenzene
Concen: 145.155 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1978309
Ion Ratio Lower Upper
91 100
92 51.5 25.4 76.4
134 24.0 11.7 35.1

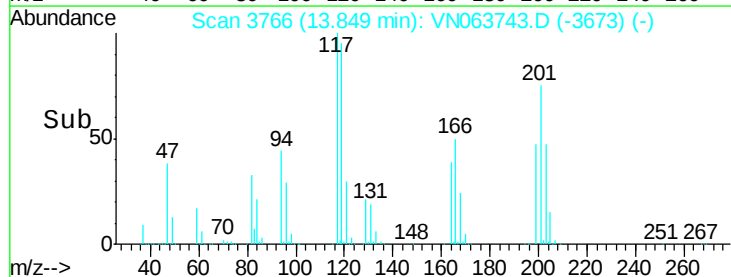
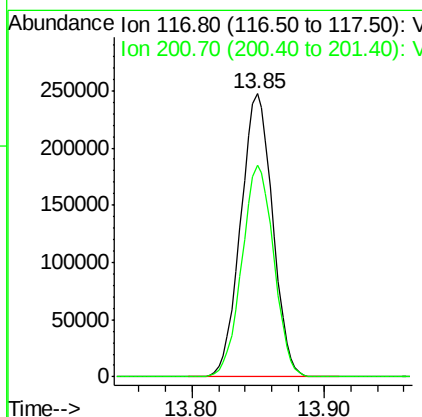
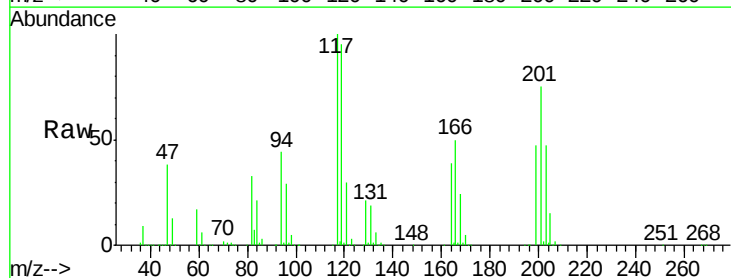
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#90
Hexachloroethane
Concen: 145.753 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063743.D
Acq: 30 Sep 2020 12:00

Tgt Ion: 117 Resp: 413858
Ion Ratio Lower Upper
117 100
201 74.7 36.0 108.0





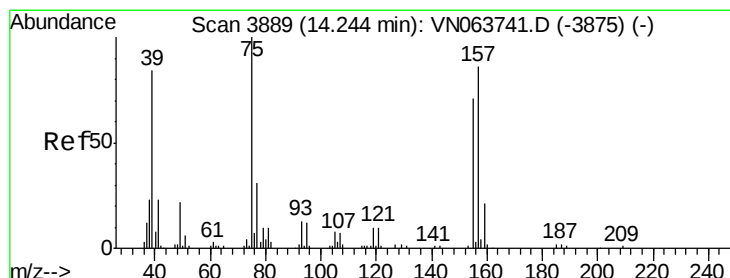
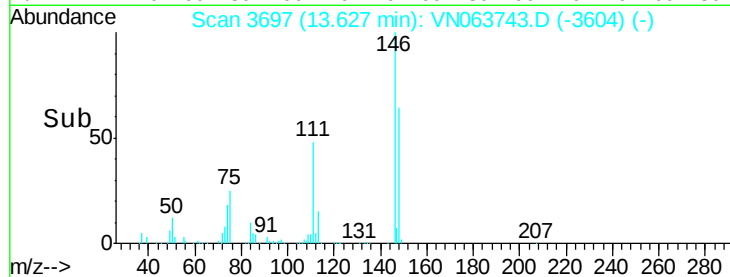
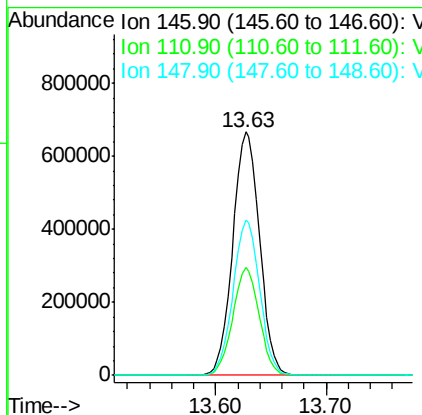
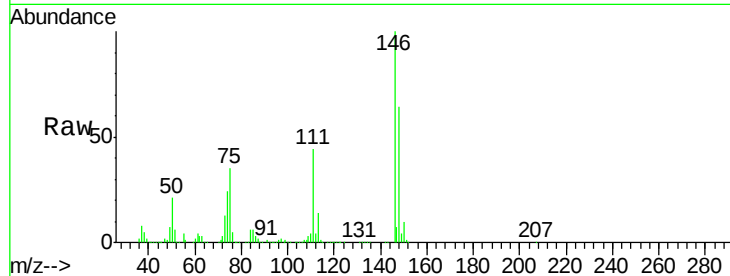
#91
 1,2-Dichlorobenzene
 Concen: 149.682 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.2	66.6
148	63.2	32.5	97.4

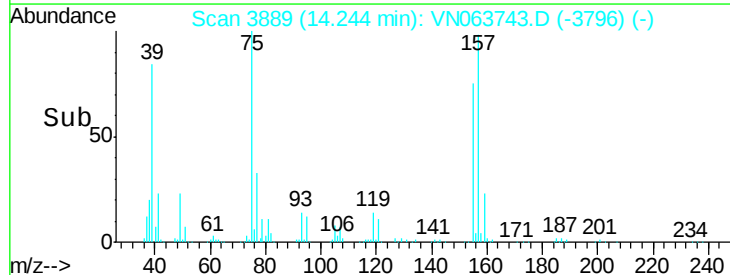
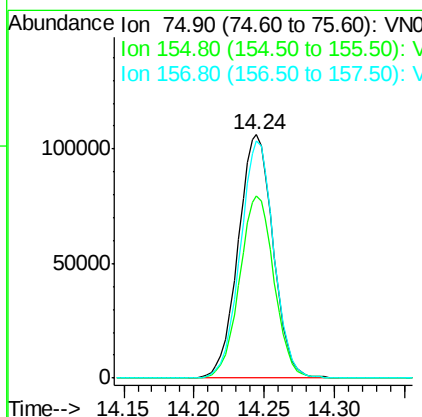
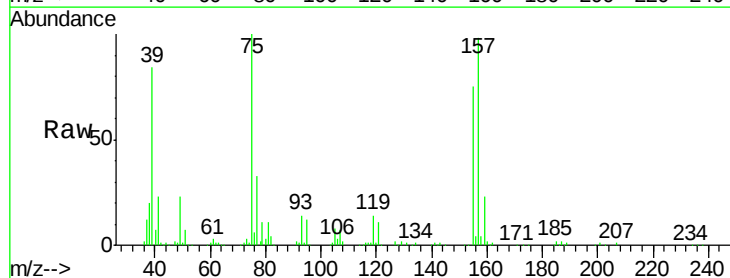
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 137.892 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	34.8	104.5
157	93.6	43.7	131.1





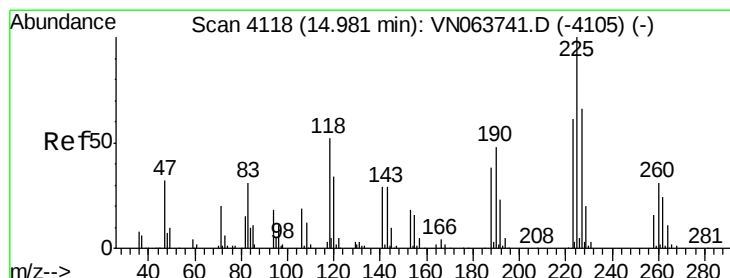
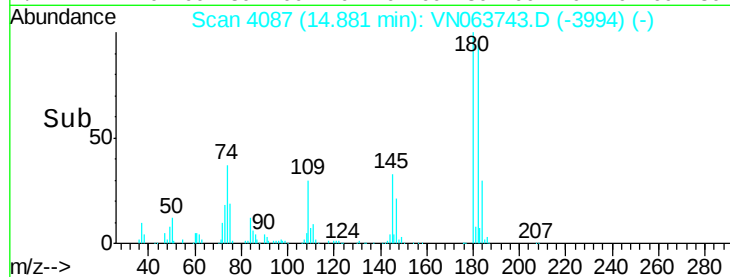
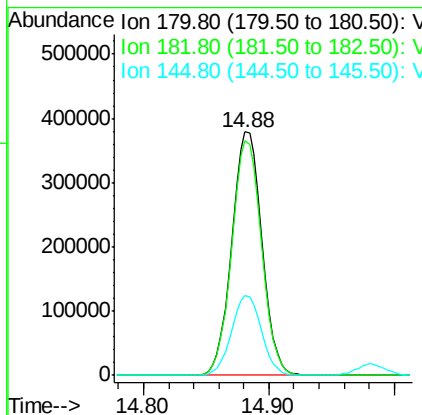
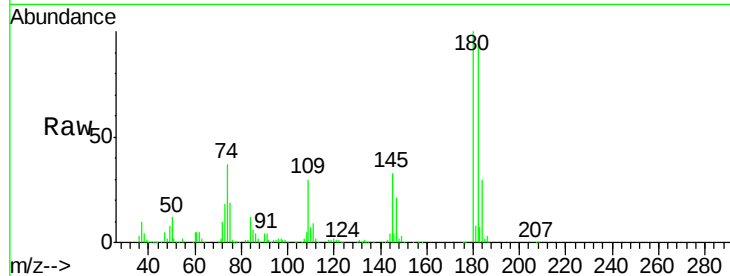
#93
 1,2,4-Trichlorobenzene
 Concen: 144.676 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	180	Resp:	630004
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.2	144.6
145	32.8	17.1	51.2

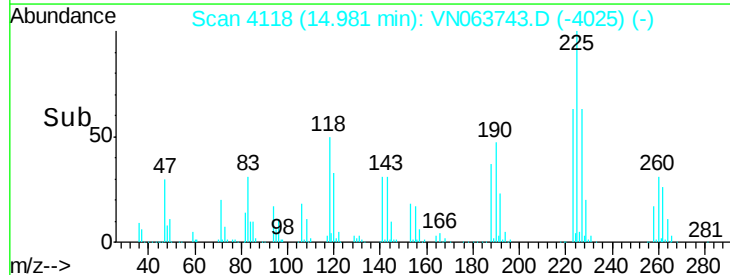
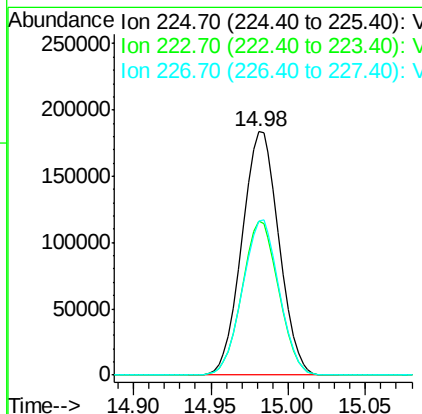
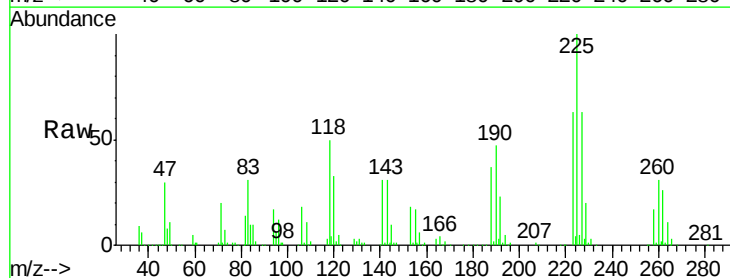
Manual Integrations
 APPROVED

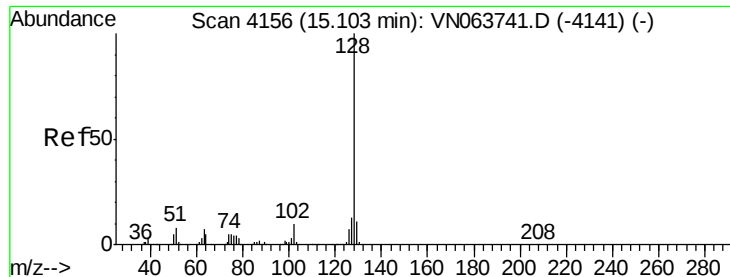
MMDadoda
 10/1/2020 2:40:22 PM



#94
 Hexachlorobutadiene
 Concen: 163.168 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063743.D
 Acq: 30 Sep 2020 12:00

Tgt Ion:	225	Resp:	306112
Ion Ratio	Lower	Upper	
225	100		
223	62.6	30.3	91.0
227	63.2	31.9	95.5





#95

Naphthalene

Concen: 137.245 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1955753

Ion Ratio Lower Upper

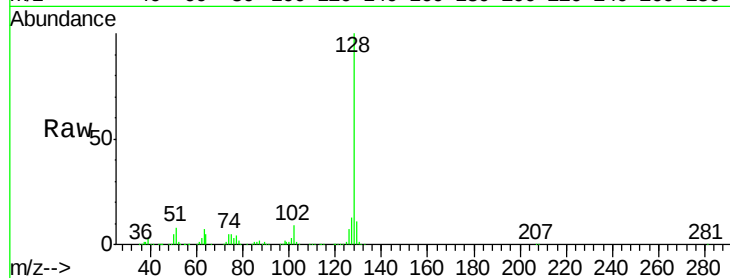
128 100

127 13.0 10.5 15.7

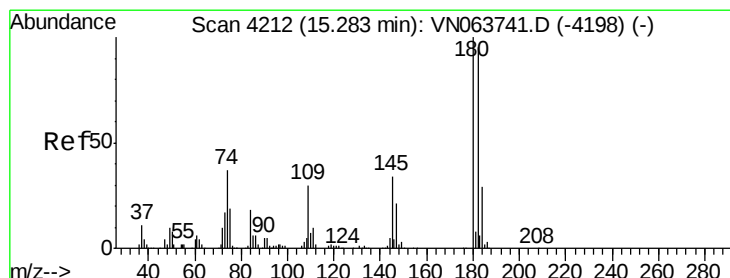
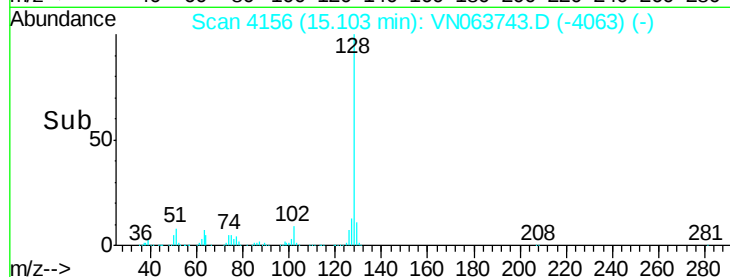
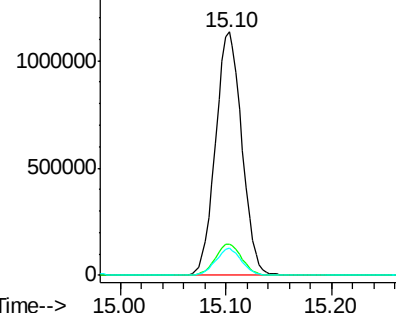
129 10.8 8.7 13.1

Manual Integrations
APPROVED

MMDadoda
10/1/2020 2:40:22 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: 144.489 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063743.D

Acq: 30 Sep 2020 12:00

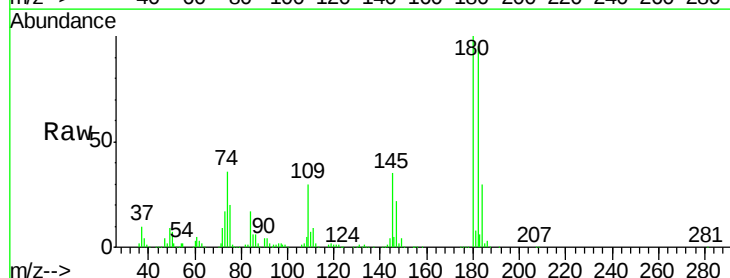
Tgt Ion:180 Resp: 607806

Ion Ratio Lower Upper

180 100

182 95.1 47.9 143.6

145 34.4 17.2 51.5



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

