

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083120\
 Data File : VN063151.D
 Acq On : 31 Aug 2020 14:35
 Operator : JC/MD
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 9:07:22 AM

Quant Time: Sep 01 03:13:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 02:43:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	462182	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	874038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	803402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	393531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	759803	113.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.56%	
35) Dibromofluoromethane	7.55	113	578588	81.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	163.70%	
50) Toluene-d8	10.06	98	2255178	87.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	174.82%	
62) 4-Bromofluorobenzene	12.38	95	820256	92.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	184.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	436403	87.227	ug/l	97
3) Chloromethane	2.03	50	607944	94.148	ug/l	99
4) Vinyl Chloride	2.17	62	710713	102.025	ug/l	99
5) Bromomethane	2.53	94	609901	127.255	ug/l	98
6) Chloroethane	2.67	64	579487	120.708	ug/l	99
7) Trichlorofluoromethane	2.98	101	1043458	107.841	ug/l	98
8) Diethyl Ether	3.38	74	341670	103.238	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	491888	86.026	ug/l	99
10) Methyl Iodide	3.91	142	707218	93.096	ug/l	100
11) Tert butyl alcohol	4.73	59	462111	810.011	ug/l	100
12) 1,1-Dichloroethene	3.70	96	499754	97.503	ug/l	97
13) Acrolein	3.57	56	191325	635.898	ug/l	99
14) Allyl chloride	4.28	41	945899	113.906	ug/l	99
15) Acrylonitrile	4.93	53	1298313	612.875	ug/l	99
16) Acetone	3.78	43	1062793	595.081	ug/l	99
17) Carbon Disulfide	4.01	76	1524192	99.320	ug/l	97
18) Methyl Acetate	4.28	43	567511	89.054	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	1909120	128.861	ug/l	98
20) Methylene Chloride	4.51	84	601562	93.993	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	592019	108.022	ug/l	96
22) Diisopropyl ether	5.90	45	2069647	121.992	ug/l	93
23) Vinyl Acetate	5.84	43	8369024	674.815	ug/l	96
24) 1,1-Dichloroethane	5.80	63	1136656	106.113	ug/l	99
25) 2-Butanone	6.78	43	1769348	683.452	ug/l	99
26) 2,2-Dichloropropane	6.78	77	979542	115.014	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	687998	113.459	ug/l	99
28) Bromochloromethane	7.15	49	569678	115.417	ug/l	99
29) Tetrahydrofuran	7.16	42	1194924	725.161	ug/l	99
30) Chloroform	7.33	83	1174253	106.655	ug/l	98
31) Cyclohexane	7.61	56	985281	98.426	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	1051000	109.810	ug/l	99
36) 1,1-Dichloropropene	7.75	75	887022	92.855	ug/l	99
37) Ethyl Acetate	6.88	43	808312	116.459	ug/l #	96
38) Carbon Tetrachloride	7.73	117	904545	88.297	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	975736	97.637	ug/l	99
40) Benzene	8.00	78	2569771	88.187	ug/l	100
41) Methacrylonitrile	7.12	41	385020	111.564	ug/l	98
42) 1,2-Dichloroethane	8.08	62	956085	97.049	ug/l	100
43) Isopropyl Acetate	8.13	43	1462771	120.390	ug/l #	91
44) Trichloroethene	8.80	130	628919	83.093	ug/l	98
45) 1,2-Dichloropropane	9.08	63	657945	83.890	ug/l	99
46) Dibromomethane	9.17	93	452926	91.975	ug/l	98
47) Bromodichloromethane	9.37	83	973857	95.211	ug/l	100
48) Methyl methacrylate	9.17	41	676126	112.703	ug/l	97
49) 1,4-Dioxane	9.16	88	189330	2222.361	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	3908585	577.880	ug/l	96
52) Toluene	10.13	92	1666266	96.100	ug/l	96
53) t-1,3-Dichloropropene	10.35	75	1109927	107.776	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	1161060	103.653	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	615874	85.629	ug/l	98
56) Ethyl methacrylate	10.40	69	985618	114.683	ug/l	98
57) 1,3-Dichloropropane	10.68	76	1104546	96.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	2473758	620.871	ug/l	99
59) 2-Hexanone	10.72	43	2916396	635.384	ug/l	99
60) Dibromochloromethane	10.87	129	721185	91.778	ug/l	100
61) 1,2-Dibromoethane	10.98	107	663105	97.816	ug/l	98
64) Tetrachloroethene	10.60	164	566145	80.491	ug/l	98
65) Chlorobenzene	11.41	112	1719096	86.972	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	647897	84.476	ug/l	98
67) Ethyl Benzene	11.49	91	3126131	96.518	ug/l	97
68) m/p-Xylenes	11.59	106	2421451	199.472	ug/l	90
69) o-Xylene	11.92	106	1155246	98.767	ug/l	99
70) Styrene	11.94	104	2048206	107.574	ug/l	100
71) Bromoform	12.10	173	474934	88.169	ug/l #	97
73) Isopropylbenzene	12.23	105	3065065	100.958	ug/l	99
74) N-amyl acetate	12.05	43	1361310	138.031	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	890656	97.217	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	766535m	100.764	ug/l	
77) Bromobenzene	12.50	156	694524	85.158	ug/l	98
78) n-propylbenzene	12.57	91	3559979	102.933	ug/l	98
79) 2-Chlorotoluene	12.65	91	2152240	101.673	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	2604575	107.087	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.28	75	336039	132.176	ug/l	97
82) 4-Chlorotoluene	12.75	91	2279036	106.926	ug/l	99
83) tert-Butylbenzene	12.97	119	2192264	103.072	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	2644919	107.674	ug/l	99
85) sec-Butylbenzene	13.15	105	2906414	103.181	ug/l	99
86) p-Isopropyltoluene	13.27	119	2693427	111.492	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	1334125	93.213	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1358143	93.981	ug/l	100
89) n-Butylbenzene	13.59	91	2430895	119.578	ug/l	99
90) Hexachloroethane	13.85	117	490599	91.455	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	1301369	92.411	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	187810	124.349	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	708212	108.551	ug/l	99
94) Hexachlorobutadiene	14.98	225	248689	56.631	ug/l	97
95) Naphthalene	15.11	128	2436875	153.303	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	675352	100.070	ug/l	99

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

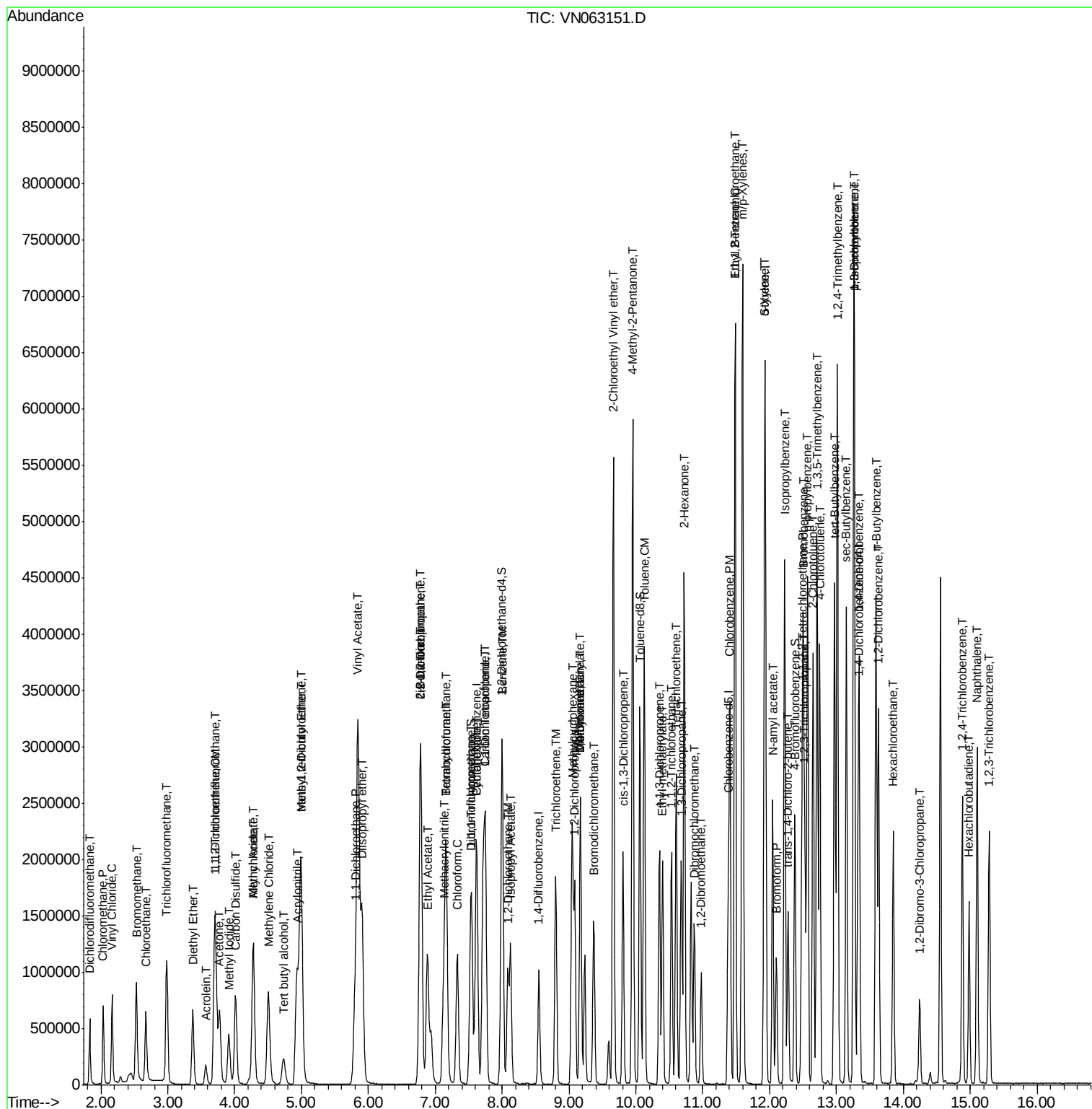
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083120\
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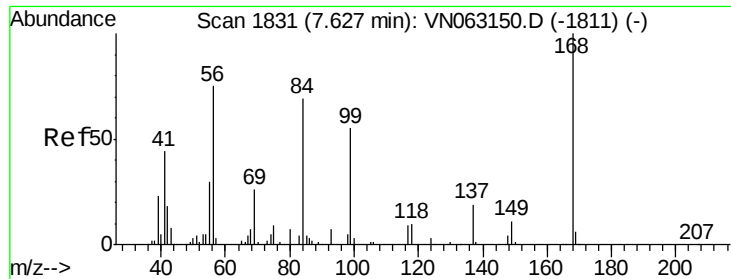
Instrument :
 MSVOA_N
 Client Sampled :
 VSTDICC100

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 462182

Ion Ratio Lower Upper

168 100

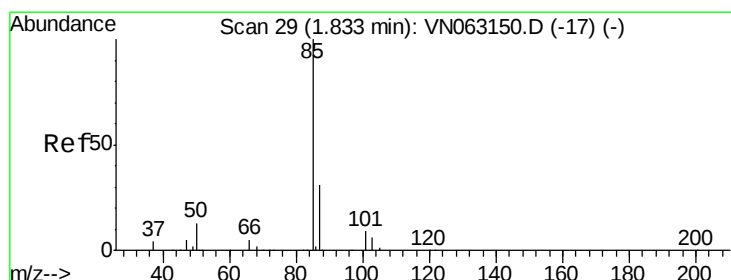
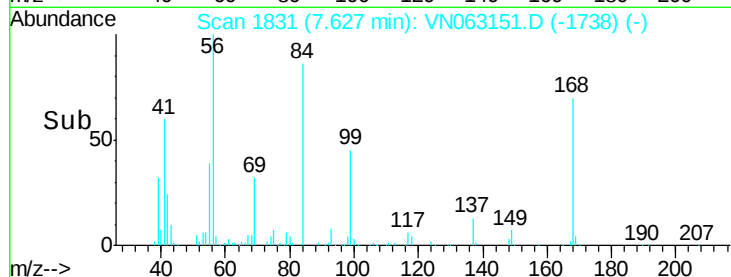
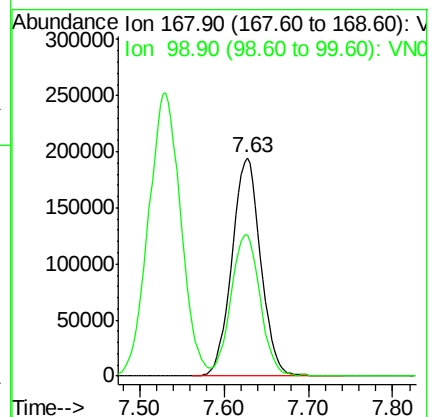
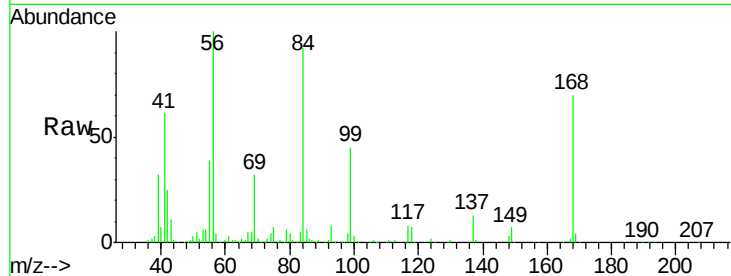
99 64.1 54.2 81.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 87.227 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063151.D

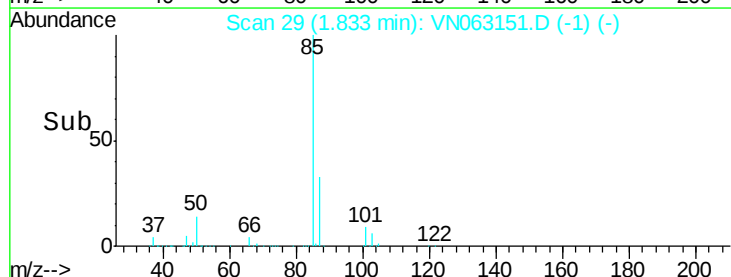
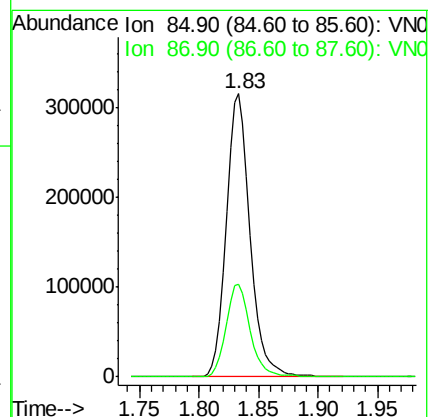
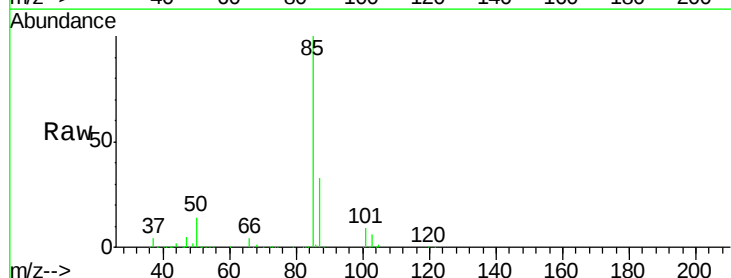
Acq: 31 Aug 2020 14:35

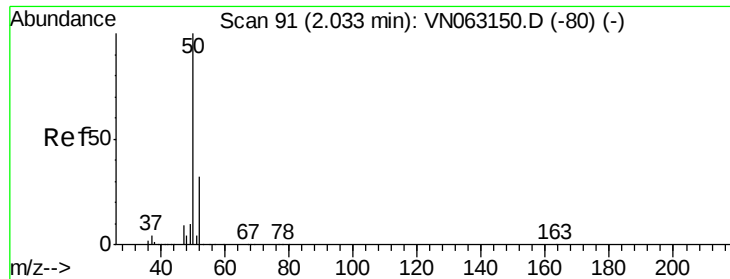
Tgt Ion: 85 Resp: 436403

Ion Ratio Lower Upper

85 100

87 32.9 15.6 46.8





#3

Chloromethane

Concen: 94.148 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 607944

Ion Ratio Lower Upper

50 100

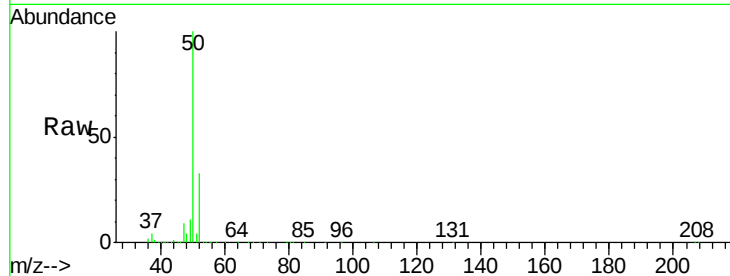
52 33.0 25.8 38.6

Manual Integrations

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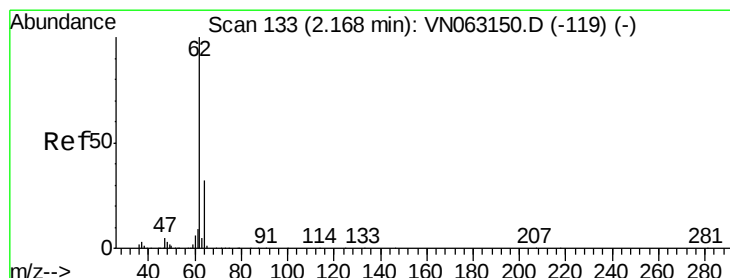
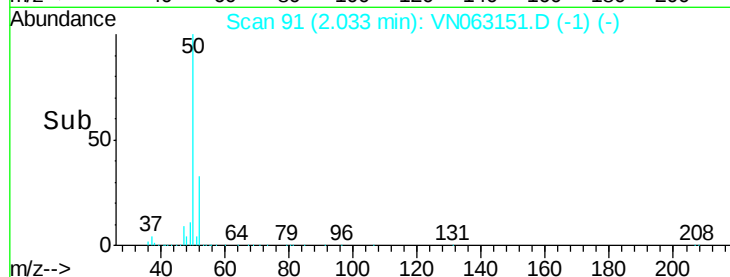
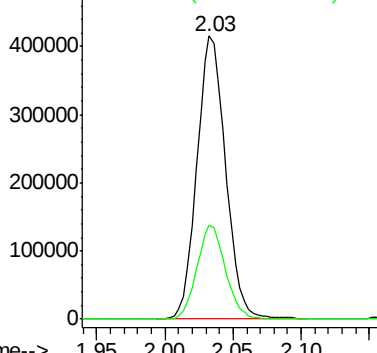
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 102.025 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063151.D

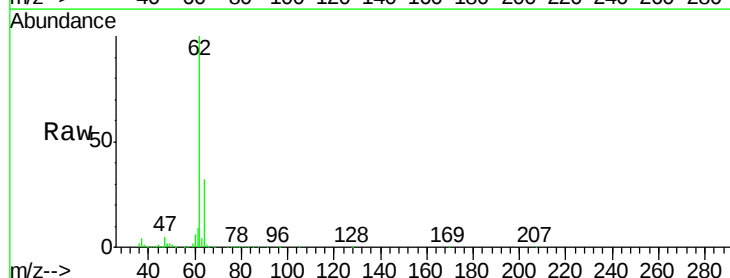
Acq: 31 Aug 2020 14:35

Tgt Ion: 62 Resp: 710713

Ion Ratio Lower Upper

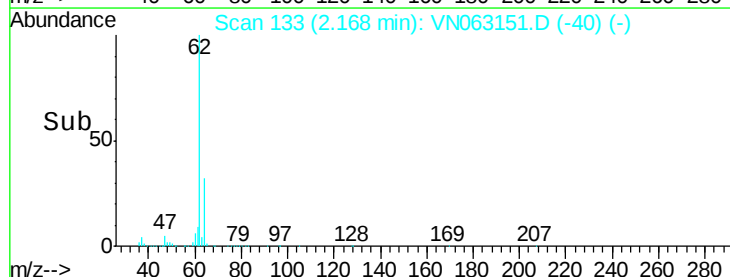
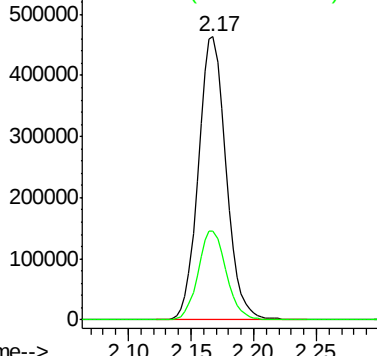
62 100

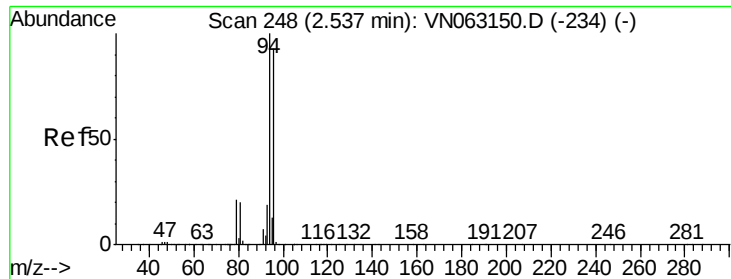
64 31.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 127.255 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

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Tot Ion: 94 Resp: 609901

Ion Ratio Lower Upper

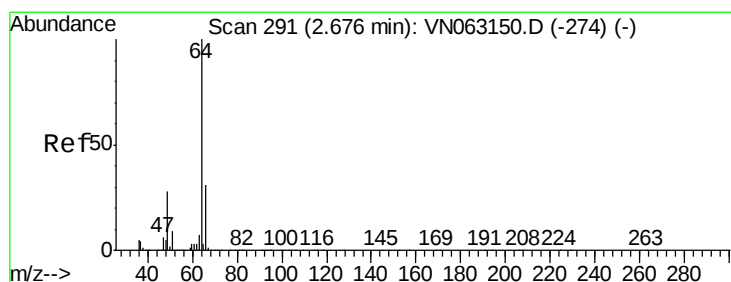
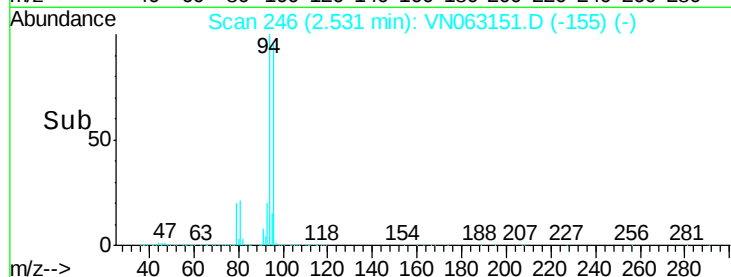
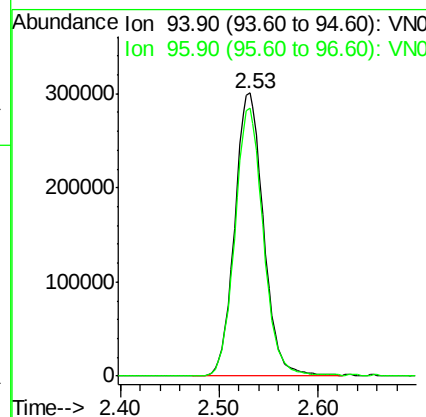
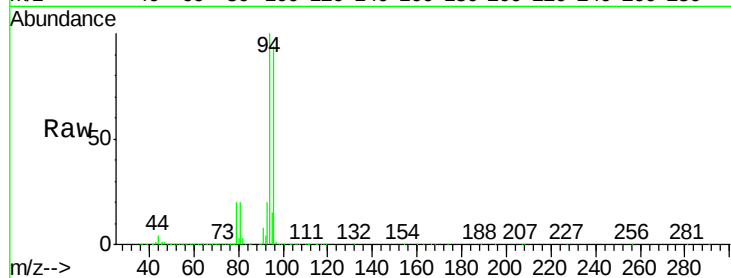
94 100

96 94.5 74.4 111.6

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#6

Chloroethane

Concen: 120.708 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

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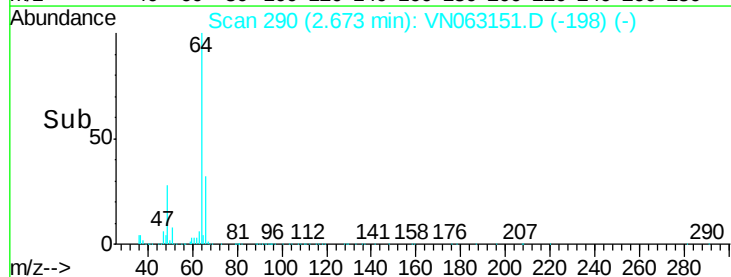
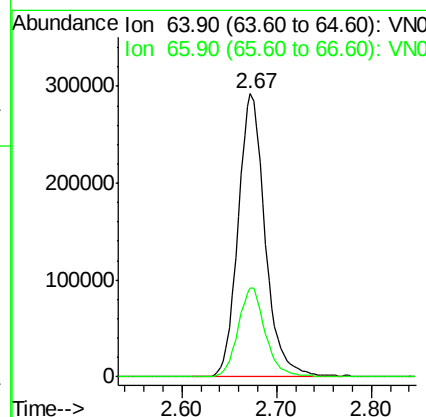
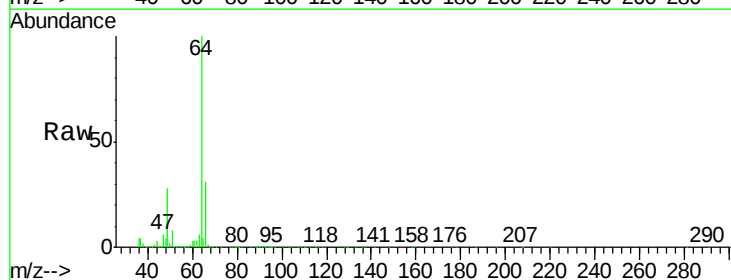
Acq: 31 Aug 2020 14:35

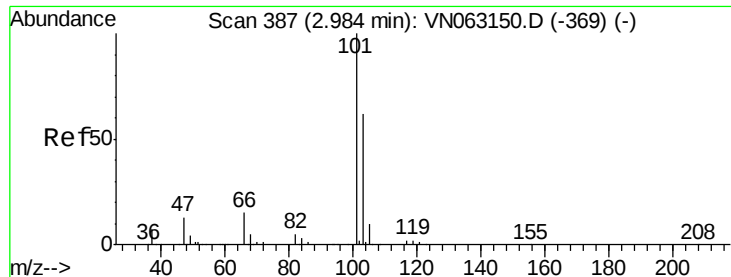
Tgt Ion: 64 Resp: 579487

Ion Ratio Lower Upper

64 100

66 31.4 24.7 37.1





#7

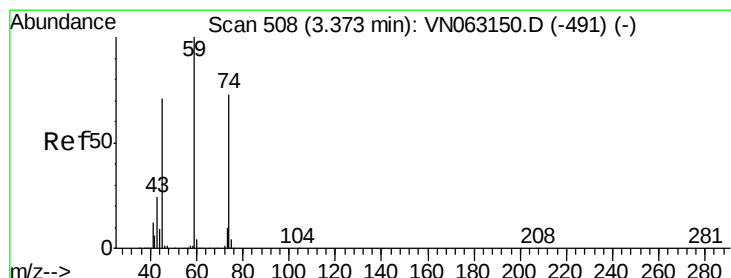
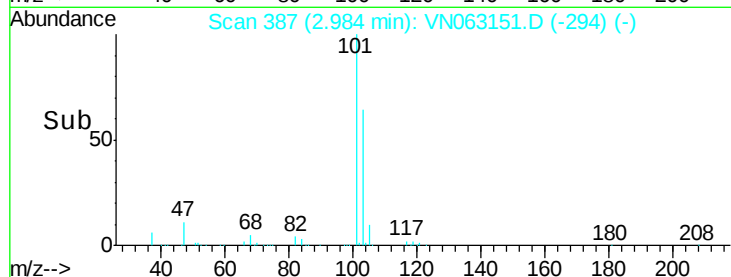
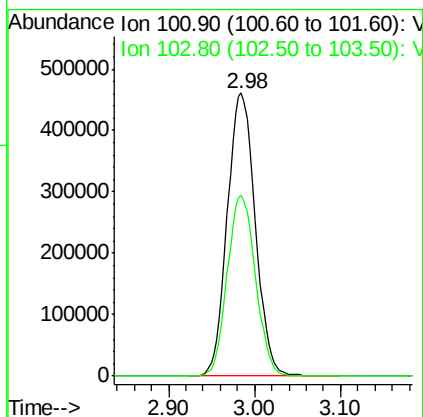
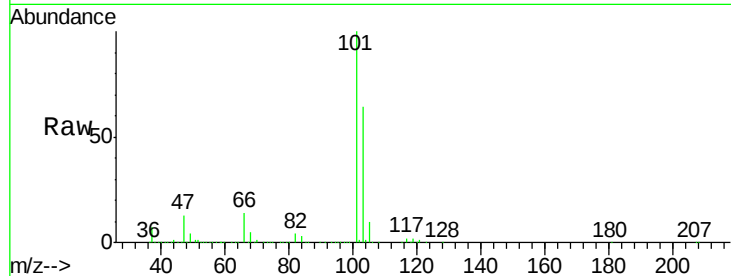
Trichlorofluoromethane
Concen: 107.841 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063151.D
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Instrument :
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ClientSampleId :
VSTDIC100

Tot Ion:101 Resp: 1043458
Ion Ratio Lower Upper
101 100
103 63.9 49.7 74.5

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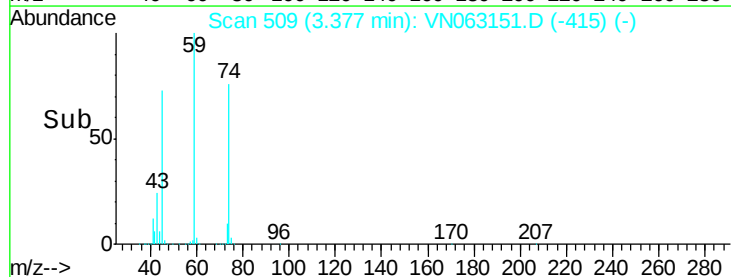
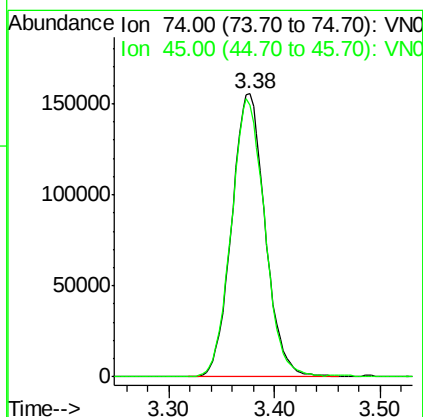
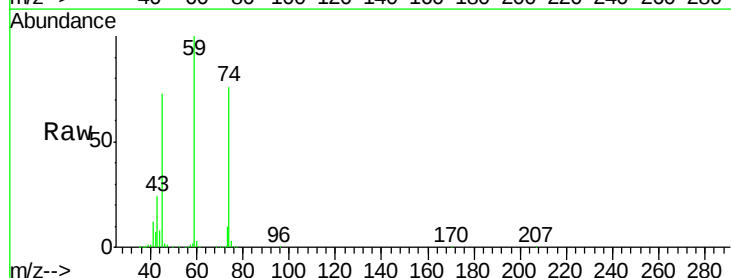
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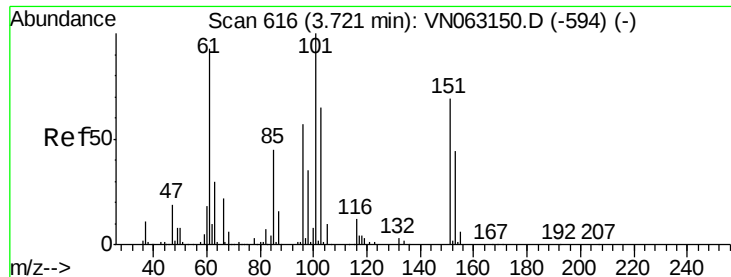


#8

Diethyl Ether
Concen: 103.238 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063151.D
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Tgt Ion: 74 Resp: 341670
Ion Ratio Lower Upper
74 100
45 97.5 49.5 148.5





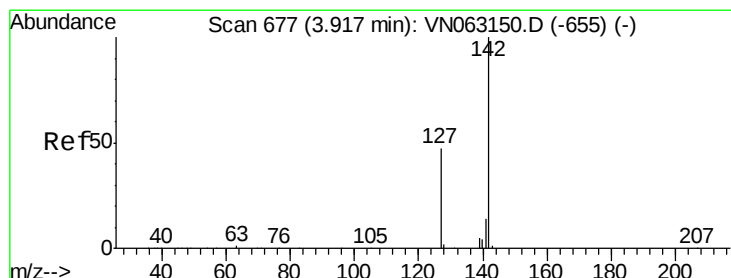
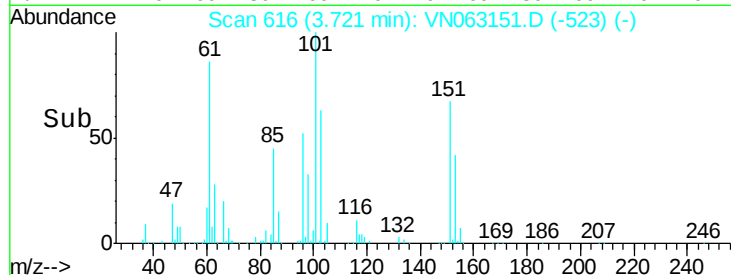
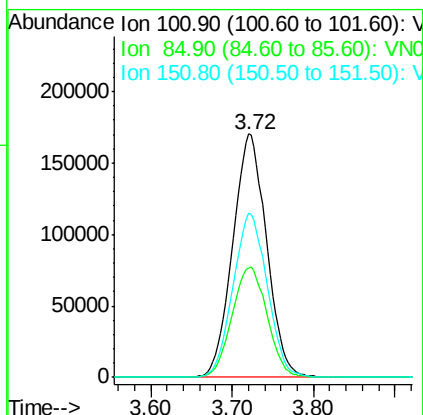
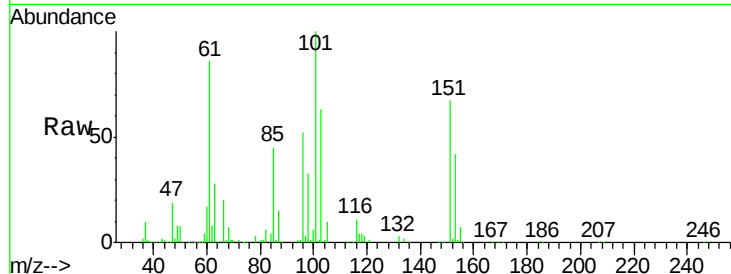
#9
1,1,2-Trichlorotrifluoroethane
Concen: 86.026 ug/l
RT: 3.72 min Scan# 616
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	491888		
85	46.8	37.8	56.8	
151	68.1	55.0	82.4	

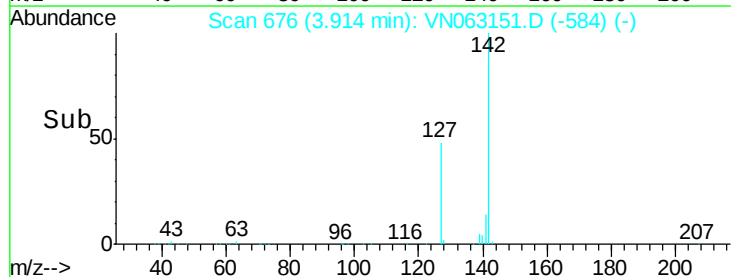
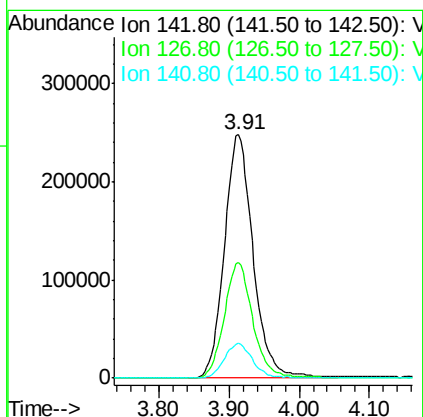
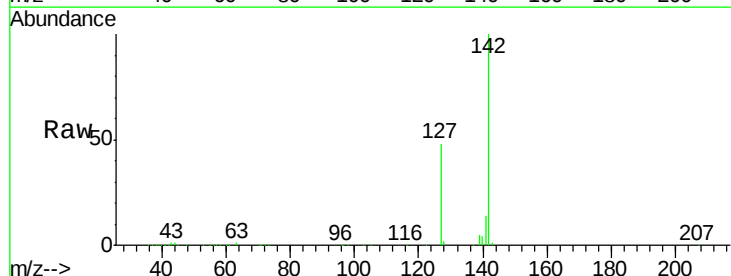
Manual Integrations
APPROVED

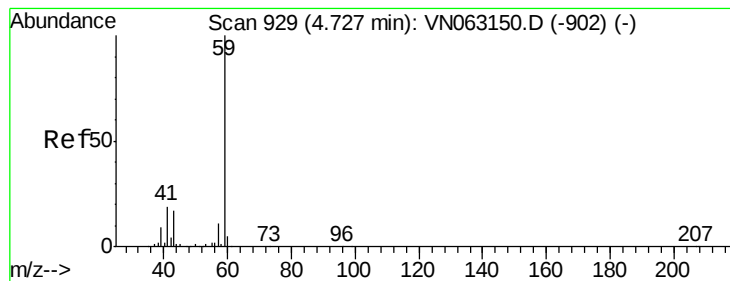
MMDadoda
9/1/2020 9:07:22 AM



#10
Methyl Iodide
Concen: 93.096 ug/l
RT: 3.91 min Scan# 676
Delta R.T. -0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	707218		
127	47.2	37.6	56.4	
141	14.2	11.3	16.9	





#11

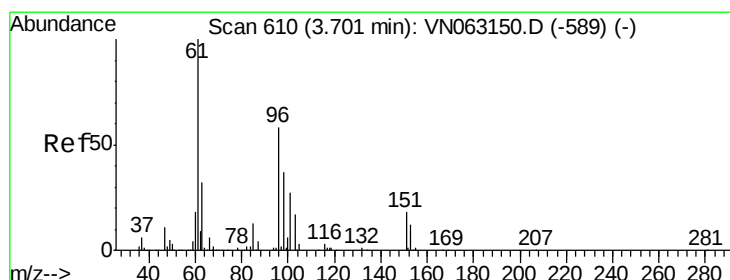
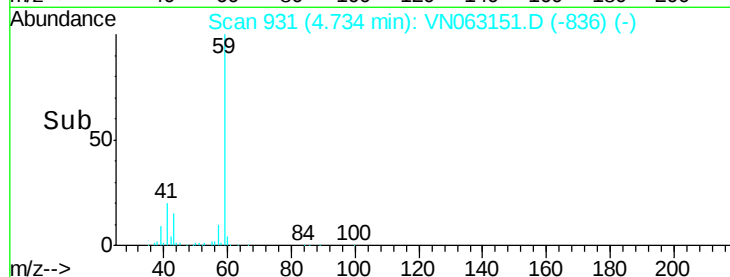
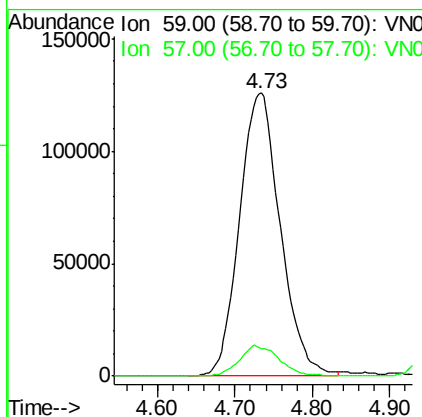
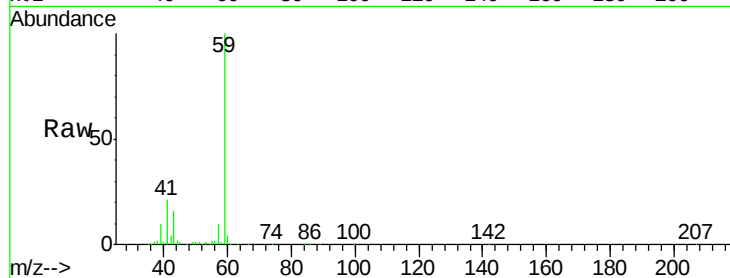
Tert butyl alcohol
 Concen: 810.011 ug/l
 RT: 4.73 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VN063151.D
 Acq: 31 Aug 2020 14:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	462111		
57	10.5		8.4	12.6

Manual Integrations
 APPROVED

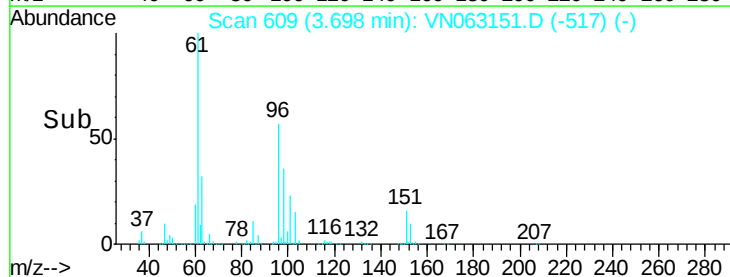
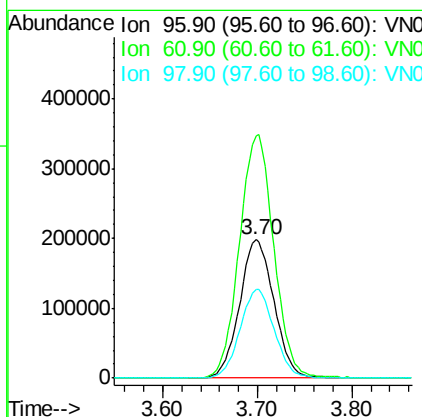
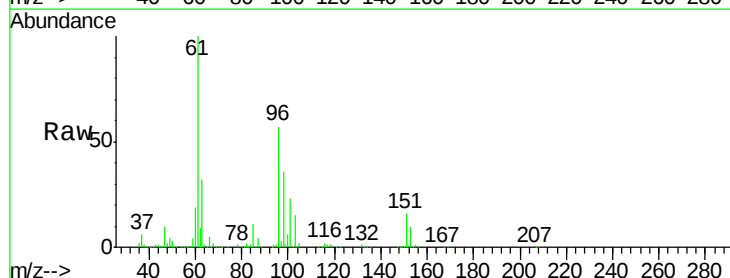
MMDadoda
 9/1/2020 9:07:22 AM

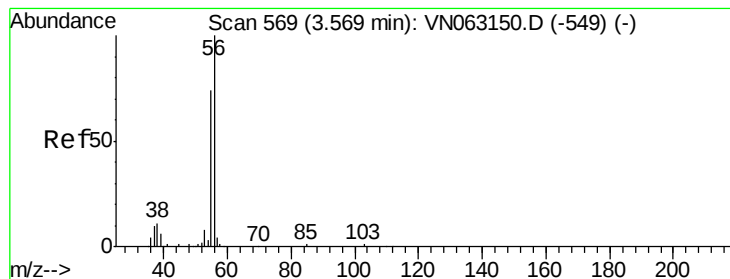


#12

1,1-Dichloroethene
 Concen: 97.503 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063151.D
 Acq: 31 Aug 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	499754		
61	175.9		137.4	206.2
98	64.0		50.5	75.7





#13

Acrolein

Concen: 635.898 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 191325

Ion Ratio Lower Upper

56 100

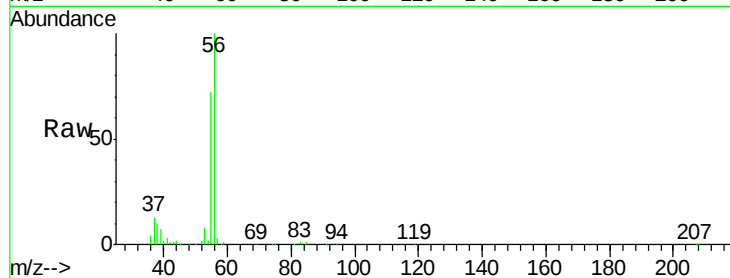
55 70.4 55.4 83.0

Manual Integrations

APPROVED

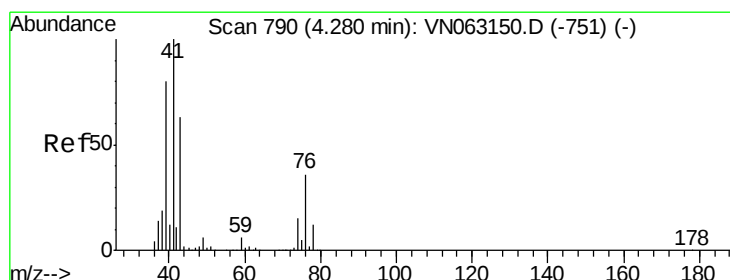
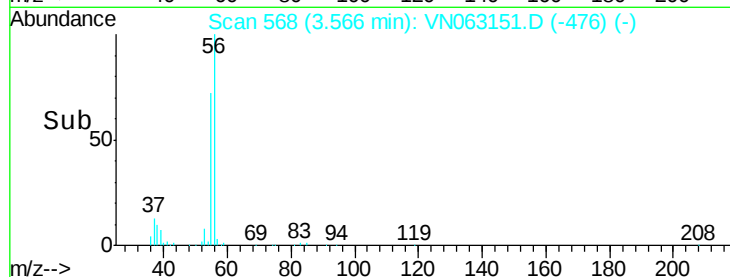
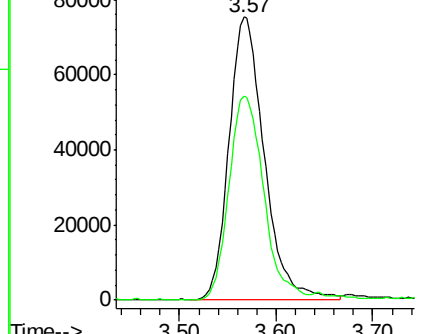
MMDadoda

9/1/2020 9:07:22 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 113.906 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

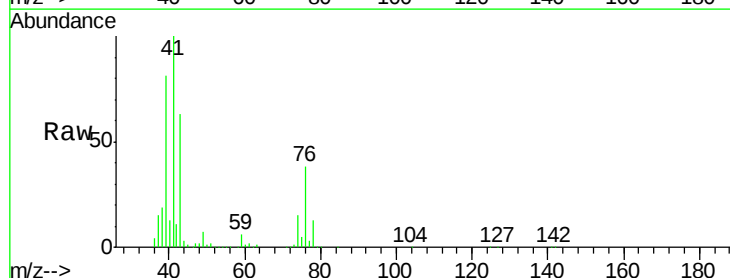
Tgt Ion: 41 Resp: 945899

Ion Ratio Lower Upper

41 100

39 76.6 60.2 90.2

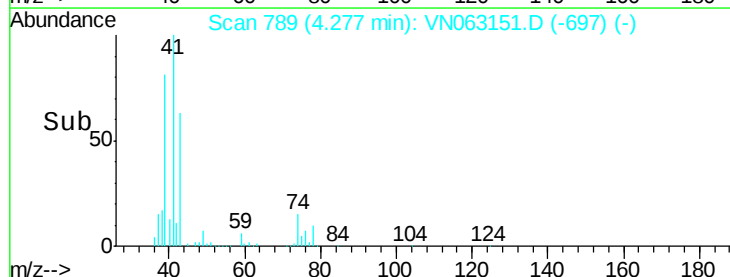
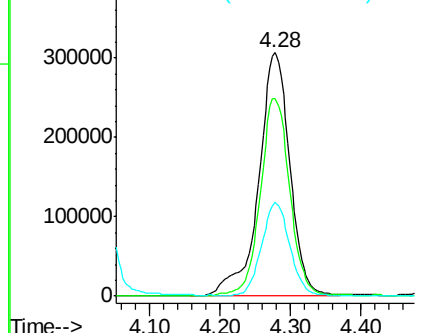
76 34.4 27.7 41.5

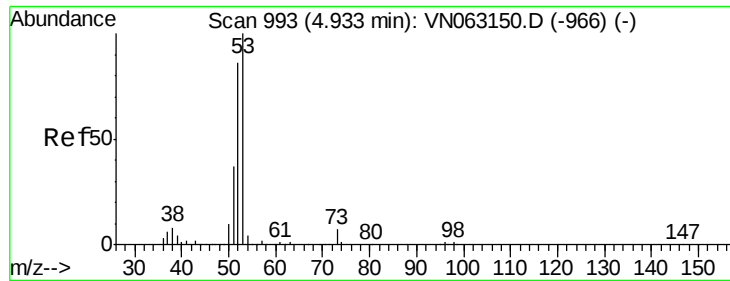


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 612.875 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1298313

Ion Ratio Lower Upper

53 100

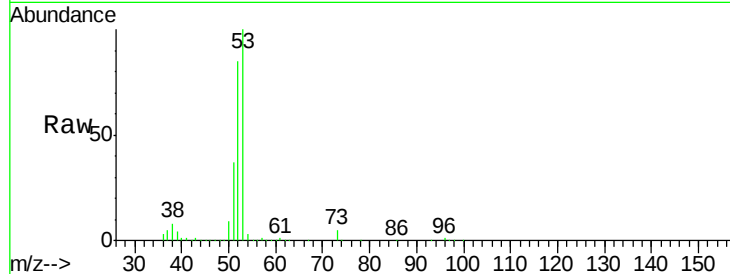
52 83.4 67.2 100.8

51 37.2 30.2 45.4

Manual Integrations
APPROVED

MMDadoda

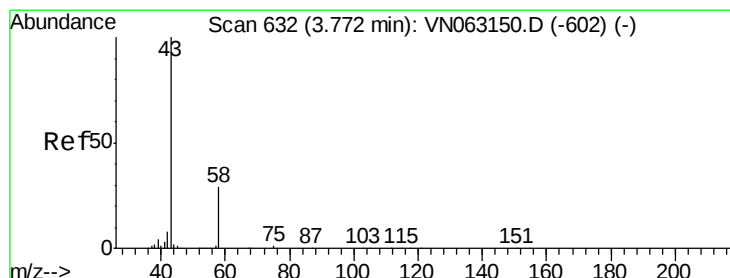
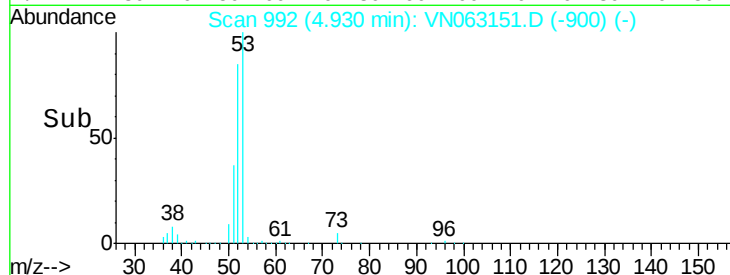
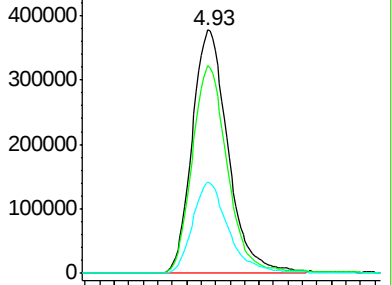
9/1/2020 9:07:22 AM



Abundance Ion 53.00 (52.70 to 53.70): VN063151.D (-990) (-)

Ion 52.00 (51.70 to 52.70): VN063151.D (-990) (-)

Ion 51.00 (50.70 to 51.70): VN063151.D (-990) (-)



#16

Acetone

Concen: 595.081 ug/l

RT: 3.78 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN063151.D

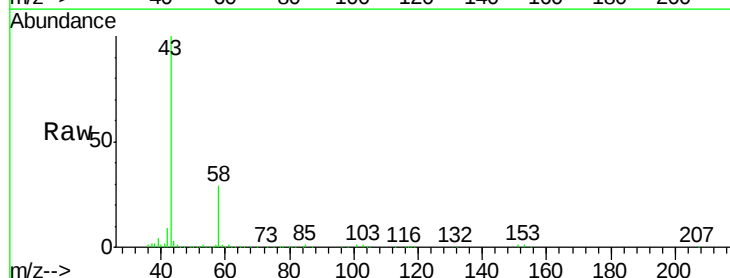
Acq: 31 Aug 2020 14:35

Tgt Ion: 43 Resp: 1062793

Ion Ratio Lower Upper

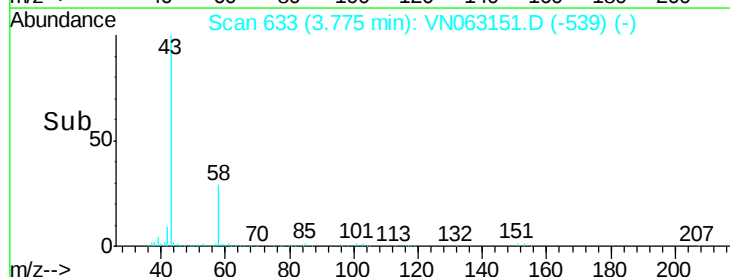
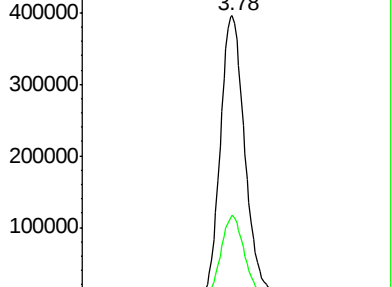
43 100

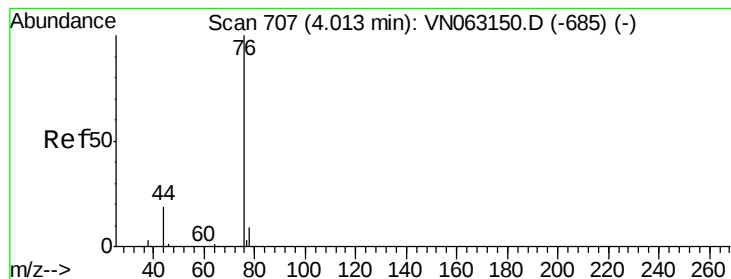
58 29.4 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN063151.D (-539) (-)

Ion 58.00 (57.70 to 58.70): VN063151.D (-539) (-)





#17

Carbon Disulfide

Concen: 99.320 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1524192

Ion Ratio Lower Upper

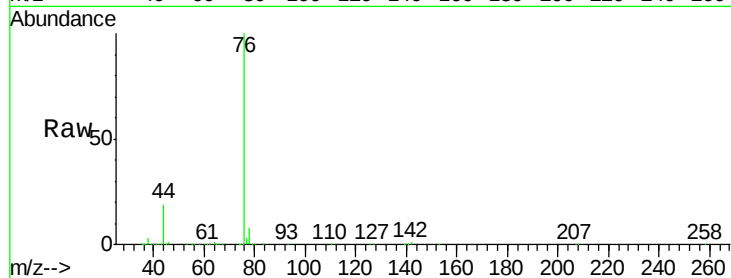
76 100

78 8.5 7.5 11.3

Manual Integrations
APPROVED

MMDadoda

9/1/2020 9:07:22 AM



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

600000

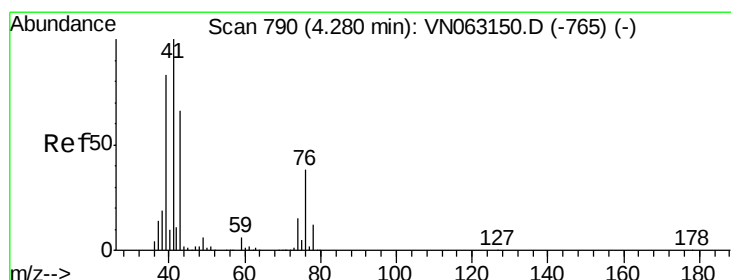
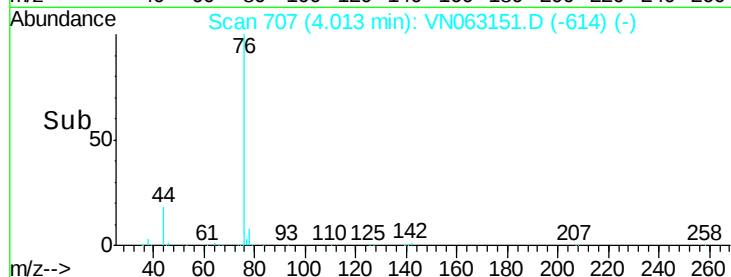
400000

200000

0

3.90 4.01 4.10

Time-->



#18

Methyl Acetate

Concen: 89.054 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063151.D

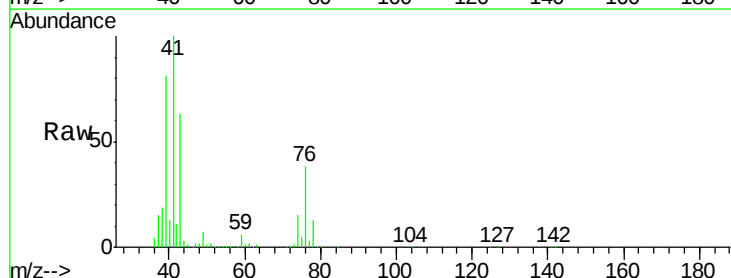
Acq: 31 Aug 2020 14:35

Tgt Ion: 43 Resp: 567511

Ion Ratio Lower Upper

43 100

74 23.1 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

200000

150000

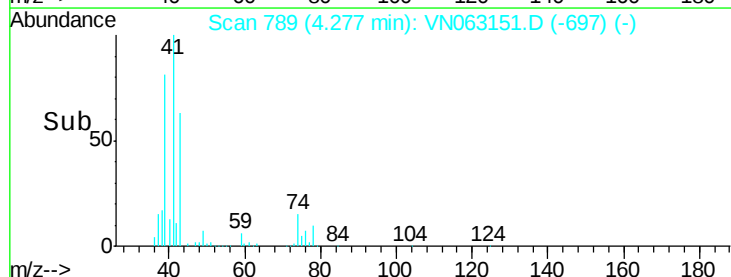
100000

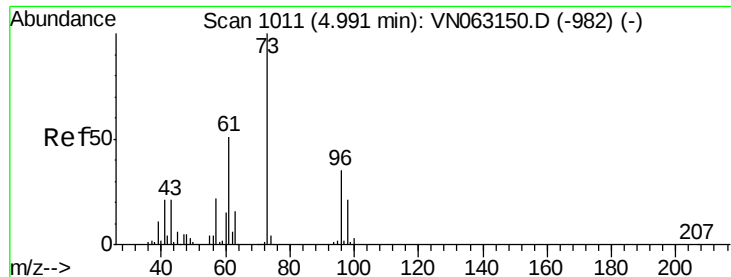
50000

0

4.20 4.28 4.40

Time-->





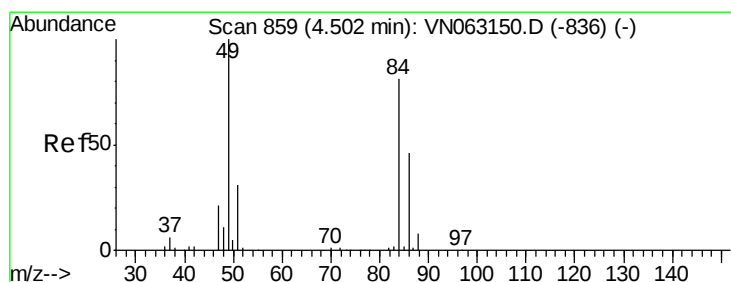
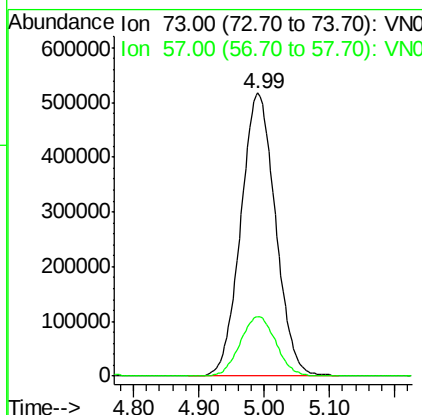
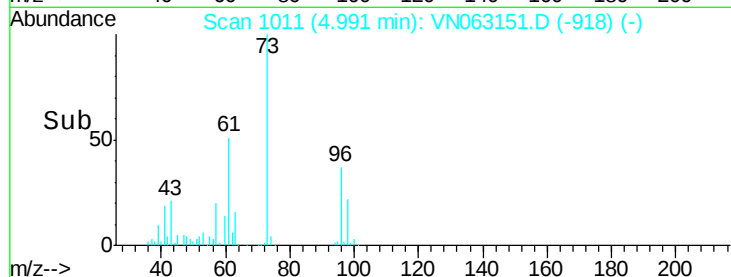
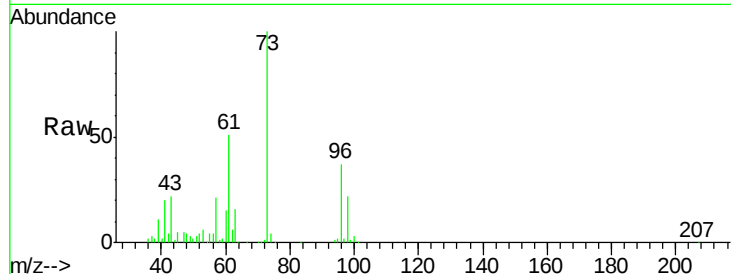
#19
Methvl tert-butvl Ether
Concen: 128.861 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1909120
Ion Ratio Lower Upper
73 100
57 21.1 17.6 26.4

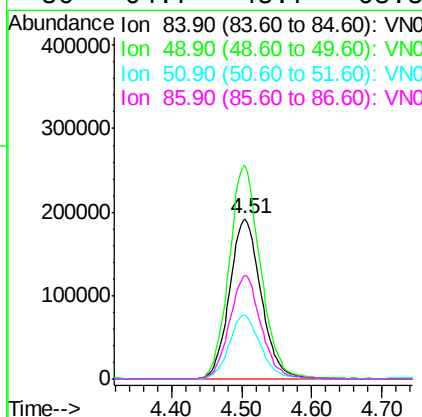
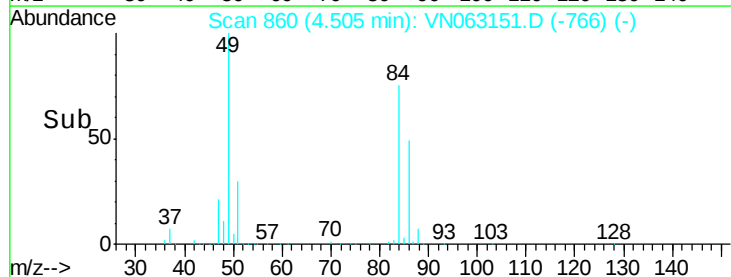
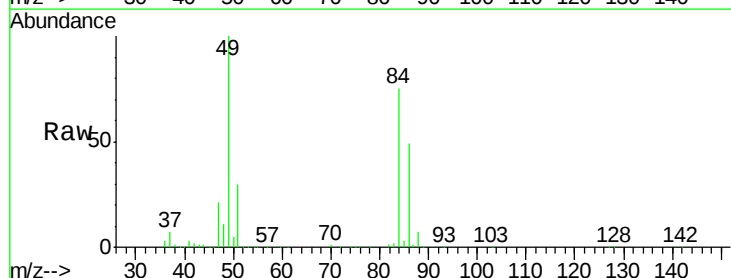
Manual Integrations
APPROVED

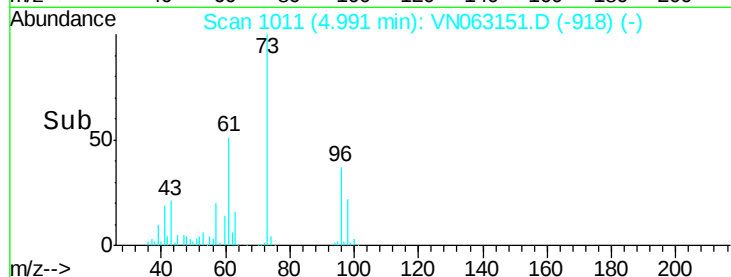
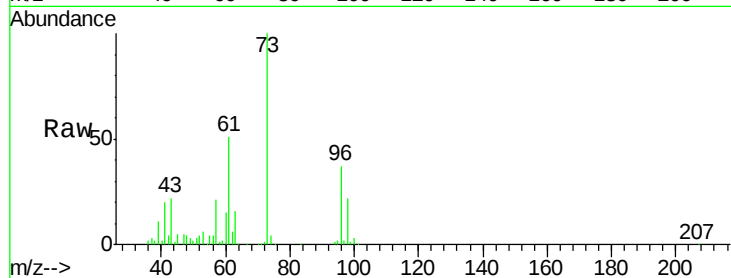
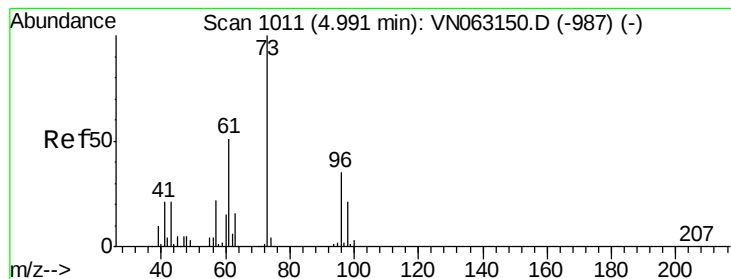
MMDadoda
9/1/2020 9:07:22 AM



#20
Methylene Chloride
Concen: 93.993 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion: 84 Resp: 601562
Ion Ratio Lower Upper
84 100
49 132.8 98.4 147.6
51 39.5 30.4 45.6
86 64.7 45.7 68.5





#21

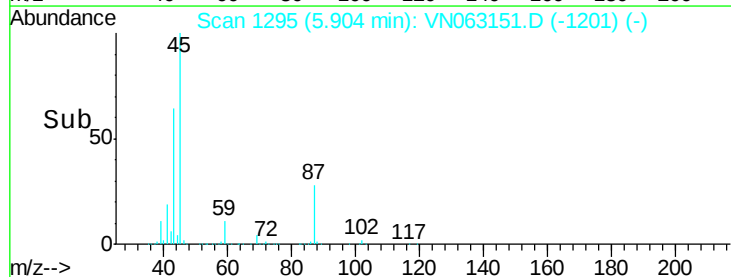
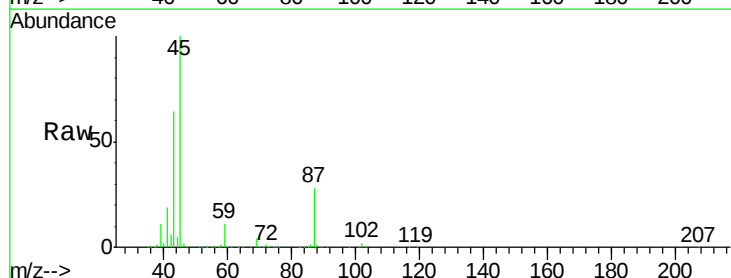
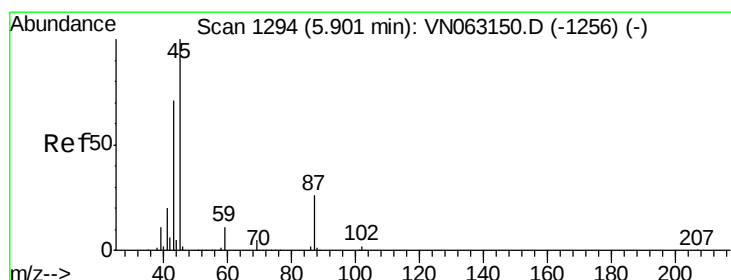
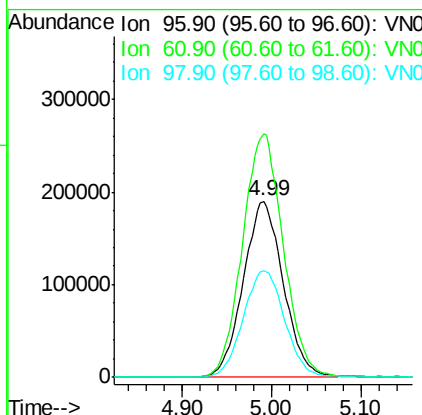
trans-1,2-Dichloroethene
Concen: 108.022 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.2	116.2	174.4
98	60.4	48.0	72.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
APPROVED

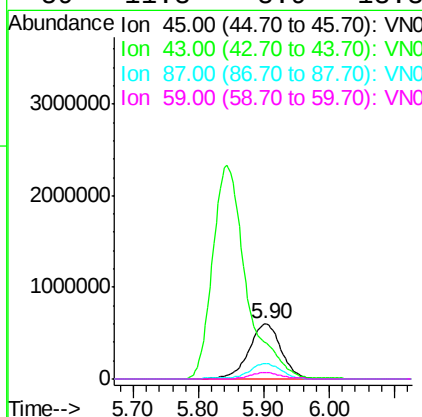
MMDadoda
9/1/2020 9:07:22 AM

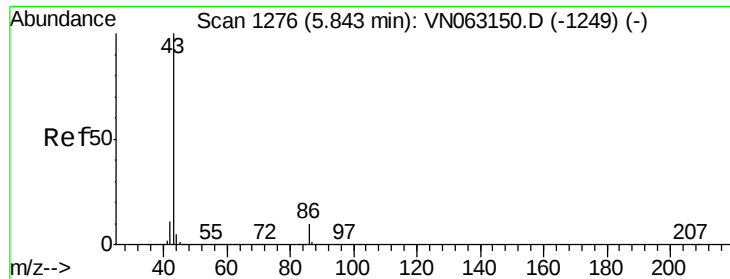


#22

Diisopropyl ether
Concen: 121.992 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.8	56.8	85.2
87	27.8	21.1	31.7
59	11.3	8.9	13.3





#23

Vinyl Acetate

Concen: 674.815 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 8369024

Ion Ratio Lower Upper

43 100

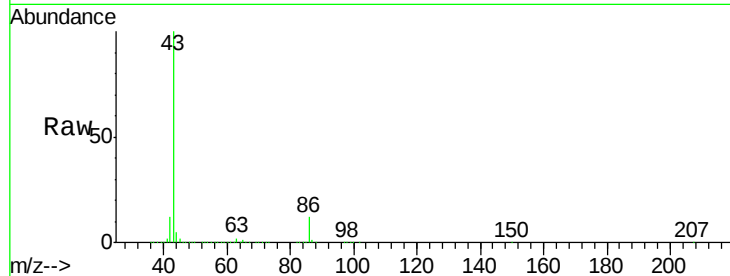
86 11.9 8.3 12.5

Manual Integrations

APPROVED

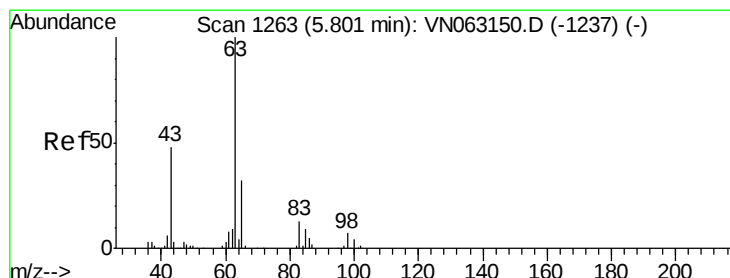
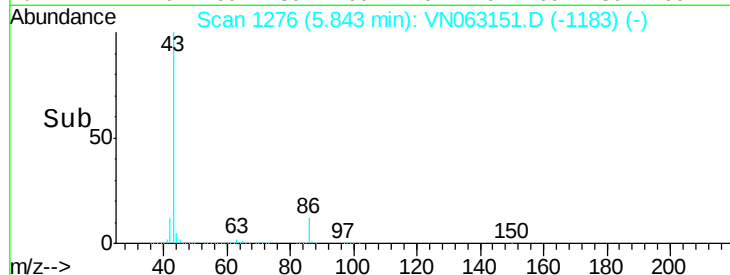
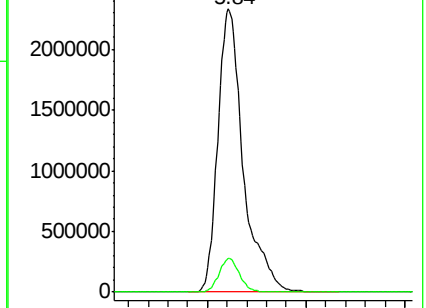
MMDadoda

9/1/2020 9:07:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VN063151.D (-1249) (-)

Ion 86.00 (85.70 to 86.70): VN063151.D (-1249) (-)



#24

1,1-Dichloroethane

Concen: 106.113 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

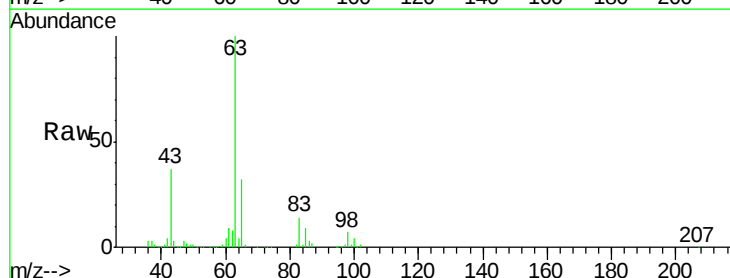
Tgt Ion: 63 Resp: 1136656

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.1

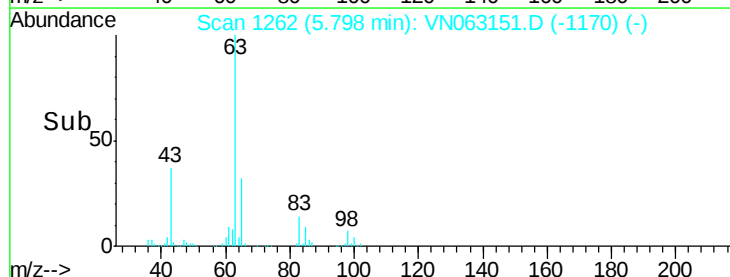
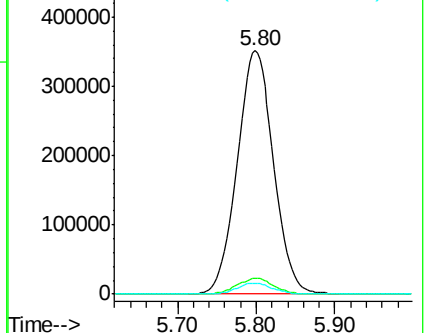
100 4.2 2.3 6.8

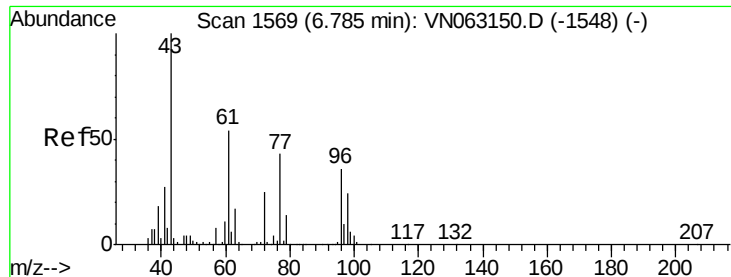


Abundance Ion 62.90 (62.60 to 63.60): VN063151.D (-1237) (-)

Ion 97.90 (97.60 to 98.60): VN063151.D (-1237) (-)

Ion 99.90 (99.60 to 100.60): VN063151.D (-1237) (-)





#25

2-Butanone

Concen: 683.452 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Tot Ion: 43 Resp: 1769348

Ion Ratio Lower Upper

43 100

72 25.7 20.2 30.4

Instrument :

MSVOA_N

ClientSampleId :

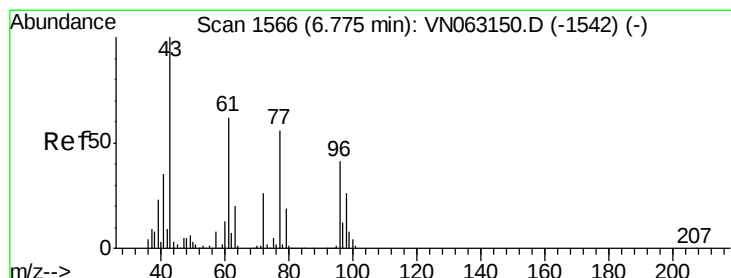
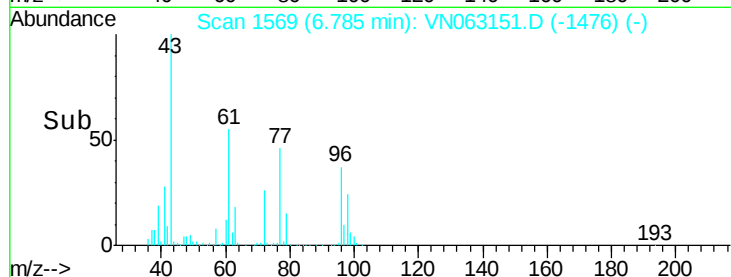
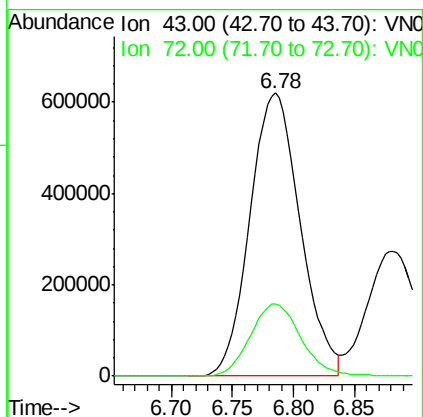
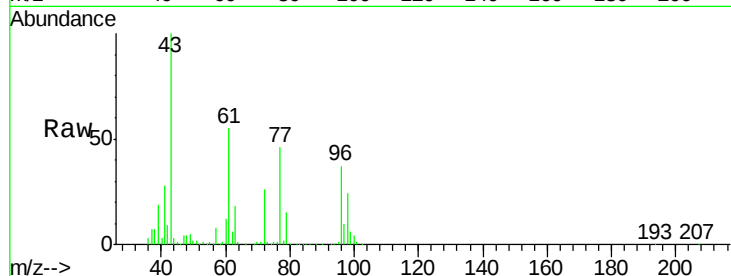
VSTDIC100

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 115.014 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063151.D

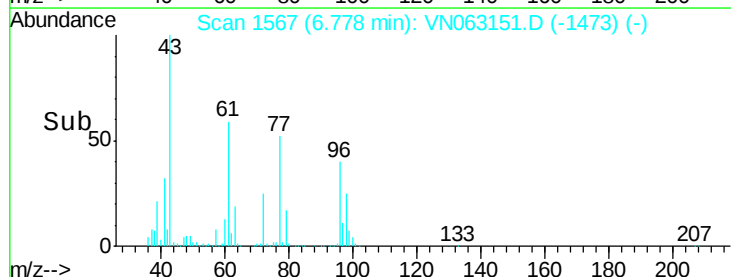
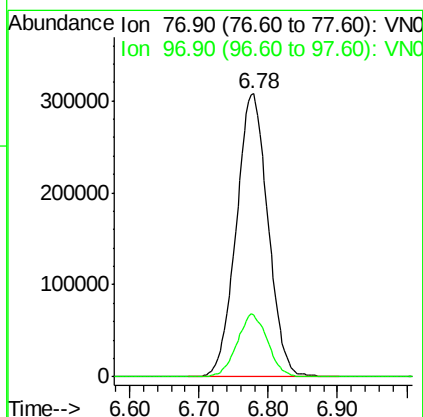
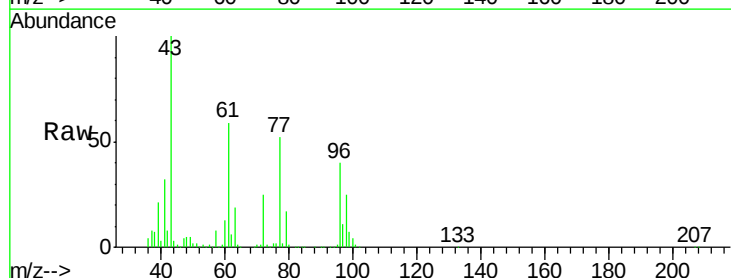
Acq: 31 Aug 2020 14:35

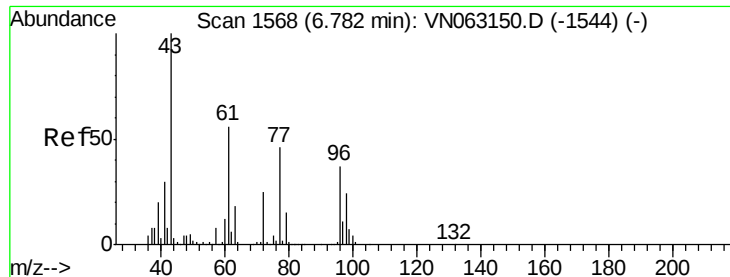
Tgt Ion: 77 Resp: 979542

Ion Ratio Lower Upper

77 100

97 21.5 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 113.459 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

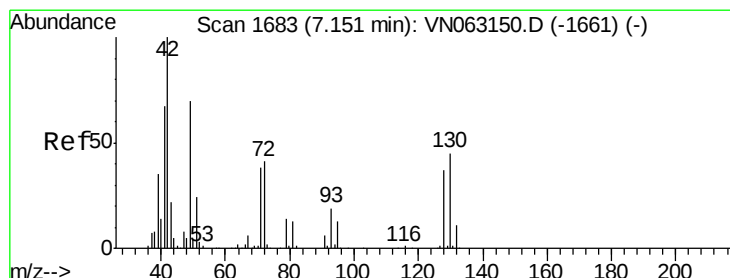
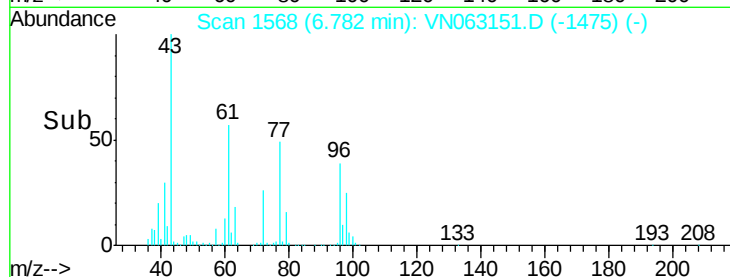
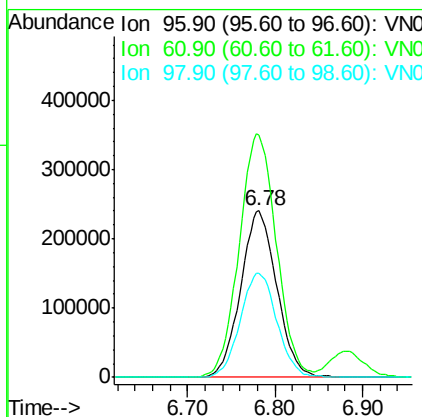
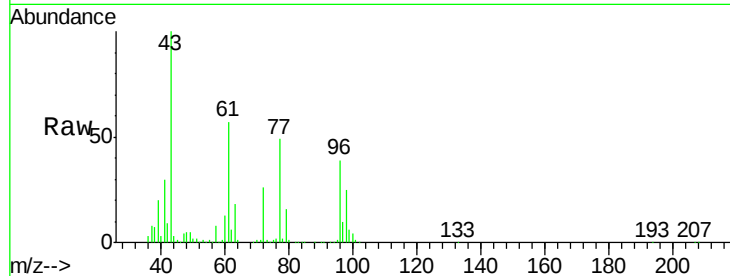
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	687998
Ion	Ratio	Lower	Upper
96	100		
61	150.4	0.0	303.2
98	63.6	0.0	129.0

Manual Integrations
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#28

Bromochloromethane

Concen: 115.417 ug/l

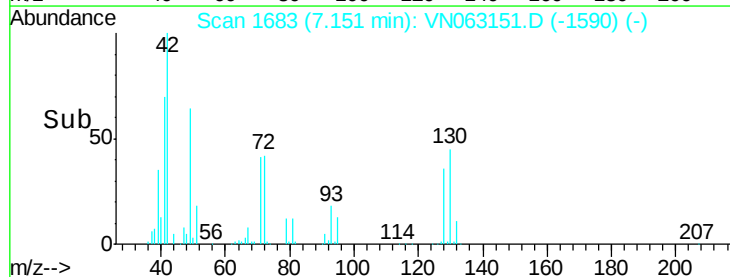
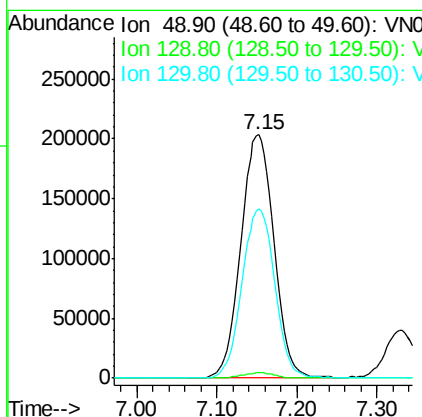
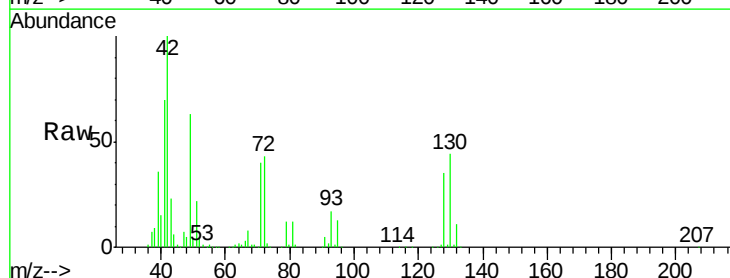
RT: 7.15 min Scan# 1683

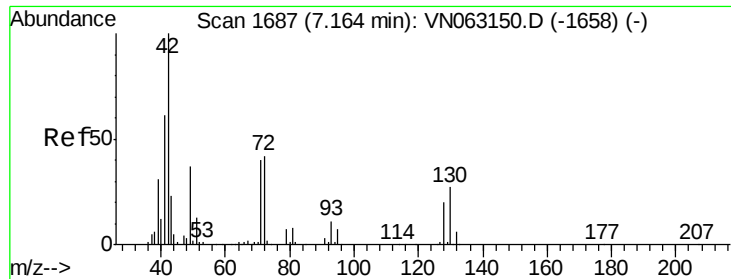
Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Tgt Ion:	49	Resp:	569678
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	68.9	54.4	81.6





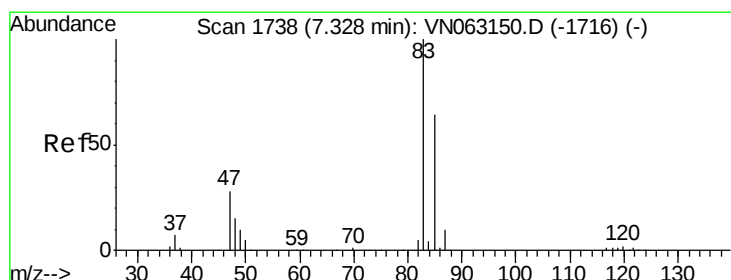
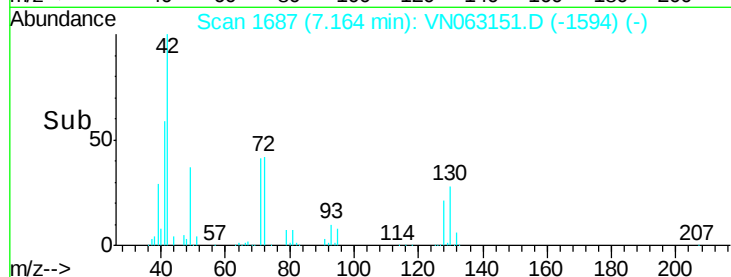
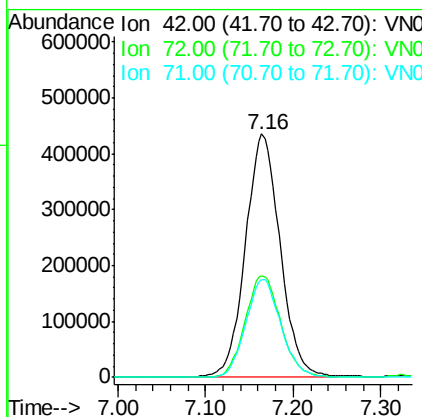
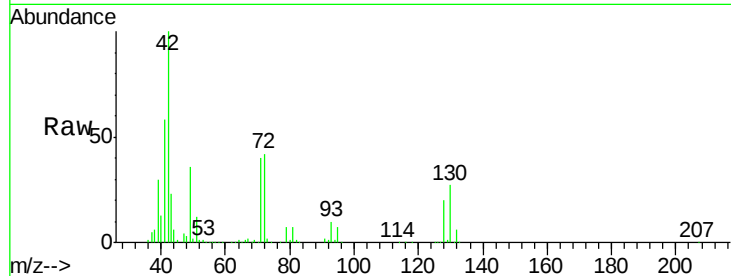
#29
Tetrahydrofuran
Concen: 725.161 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion: 42 Resp: 1194924
Ion Ratio Lower Upper
42 100
72 42.9 33.9 50.9
71 40.8 31.9 47.9

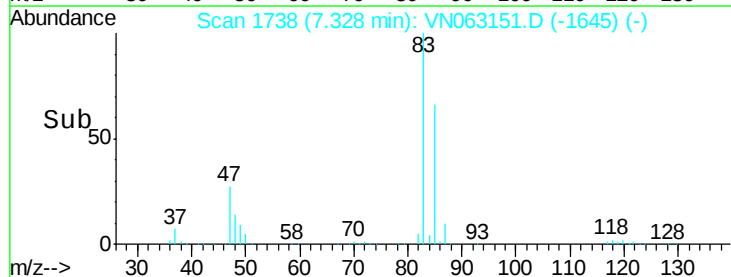
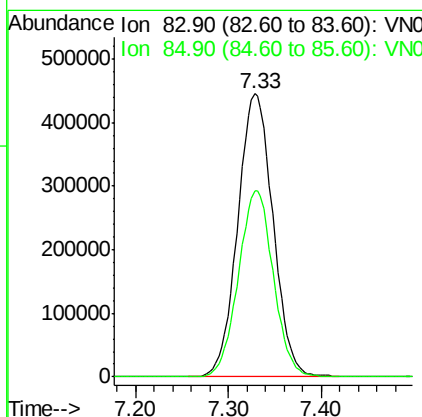
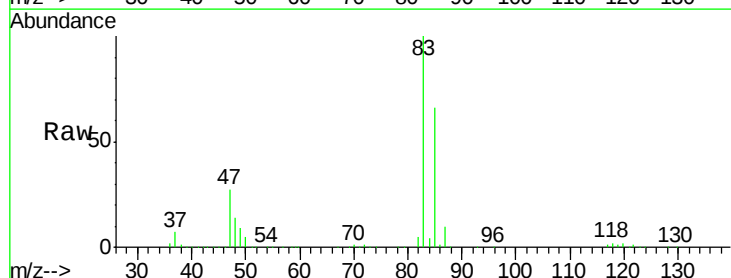
Manual Integrations
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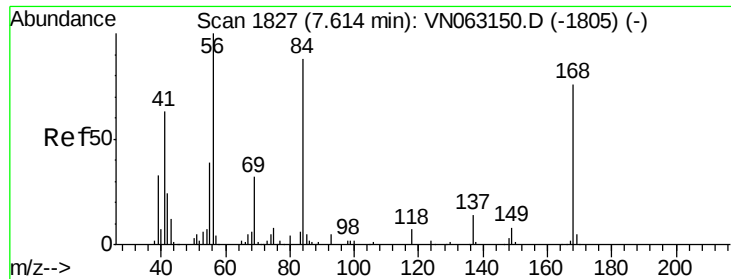
MMDadoda
9/1/2020 9:07:22 AM



#30
Chloroform
Concen: 106.655 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion: 83 Resp: 1174253
Ion Ratio Lower Upper
83 100
85 65.7 51.0 76.6





#31

Cyclohexane

Concen: 98.426 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 985281

Ion Ratio Lower Upper

56 100

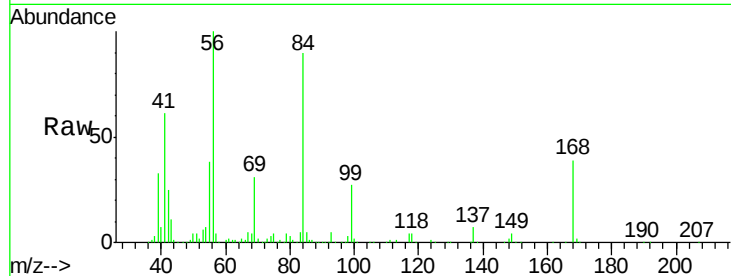
69 30.9 25.4 38.0

84 88.7 70.2 105.4

Manual Integrations
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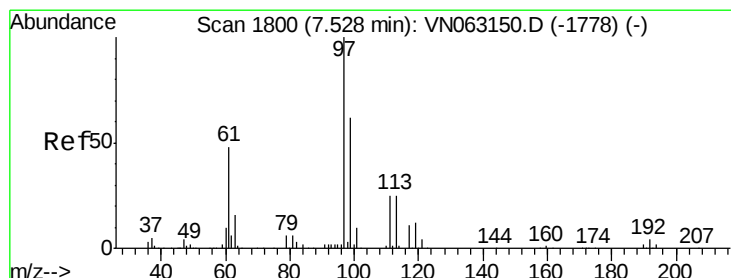
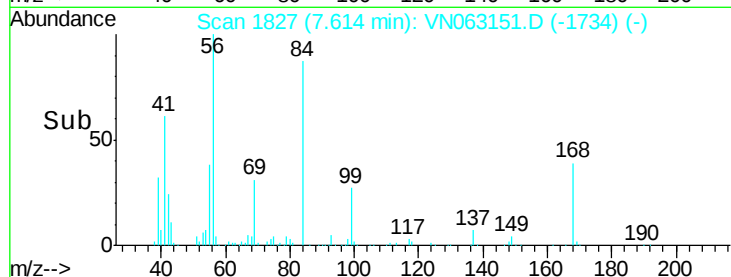
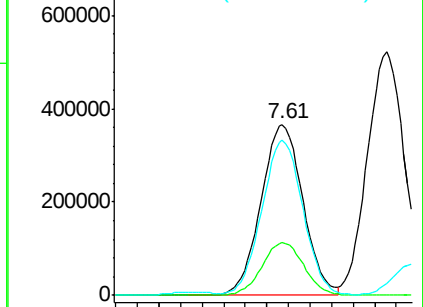
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 109.810 ug/l

RT: 7.53 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

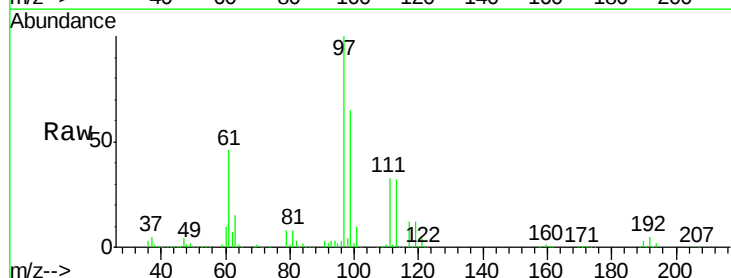
Tgt Ion: 97 Resp: 1051000

Ion Ratio Lower Upper

97 100

99 64.3 50.8 76.2

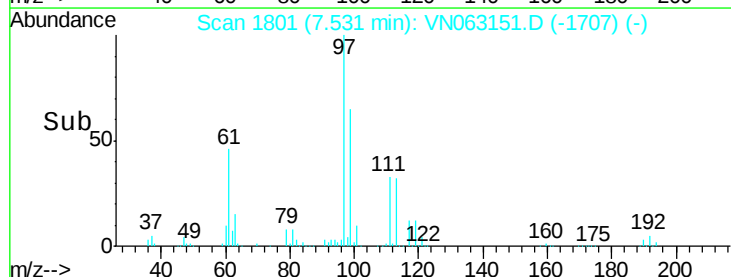
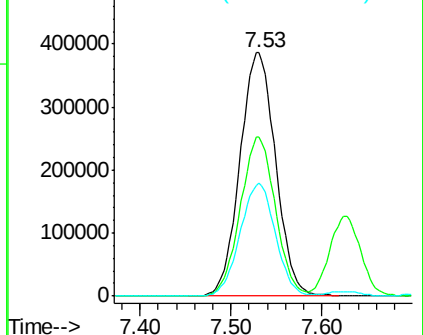
61 46.0 37.4 56.2

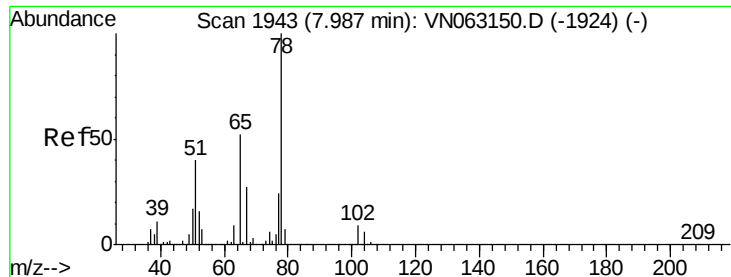


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 113.284 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 759803

Ion Ratio Lower Upper

65 100

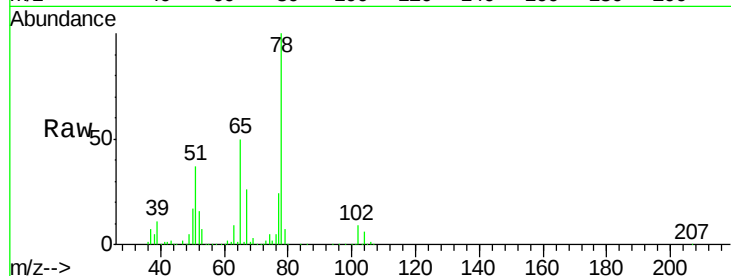
67 51.1 0.0 104.4

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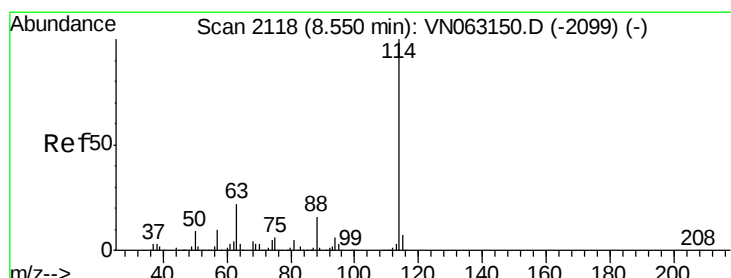
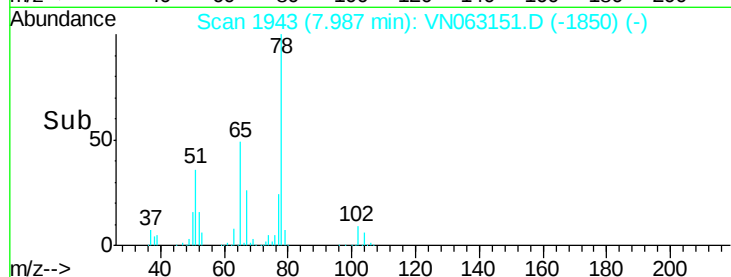
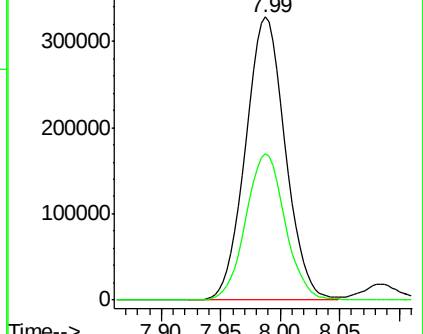
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Abundance Ion 64.90 (64.60 to 65.60): VN063151.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063151.D (-1924) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

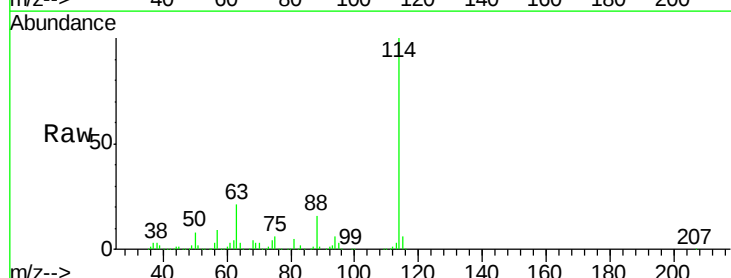
Tgt Ion: 114 Resp: 874038

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.0

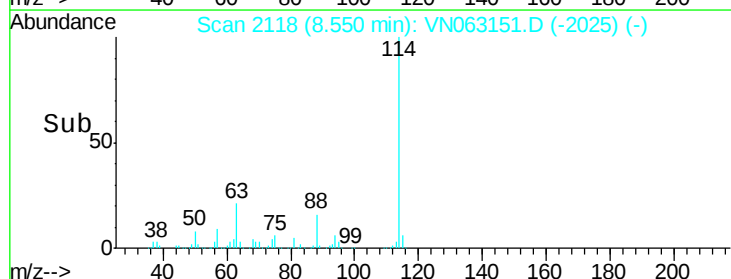
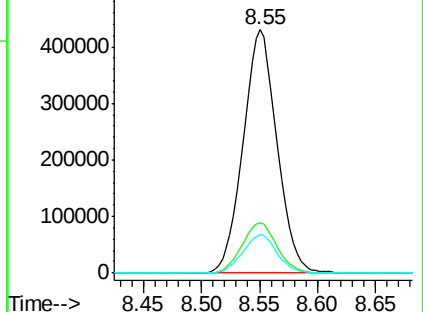
88 15.8 0.0 31.6

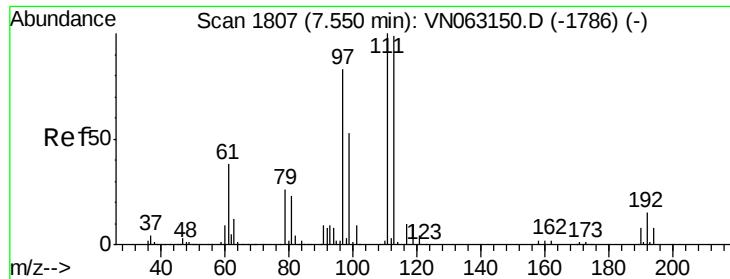


Abundance Ion 113.90 (113.60 to 114.60): VN063151.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN063151.D (-2099) (-)

Ion 87.90 (87.60 to 88.60): VN063151.D (-2099) (-)





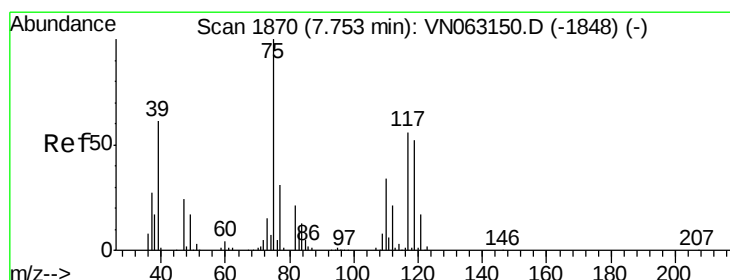
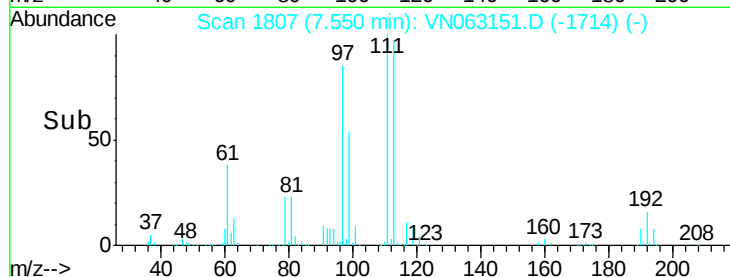
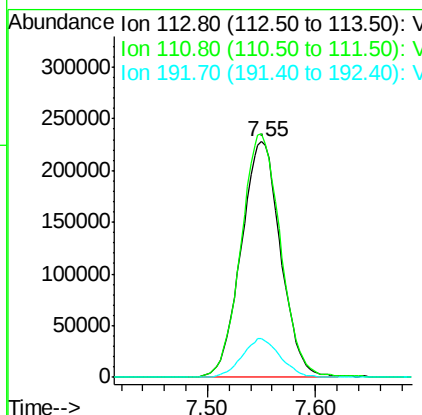
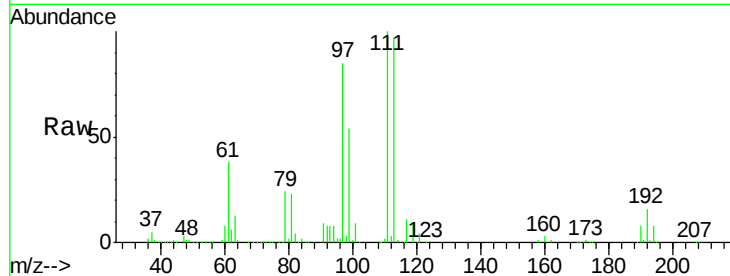
#35
 Dibromofluoromethane
 Concen: 81.851 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063151.D
 Acq: 31 Aug 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	578588		
111	104.0	80.7	121.1	
192	16.0	12.6	19.0	

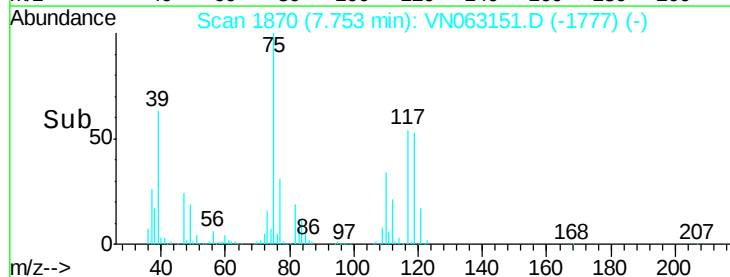
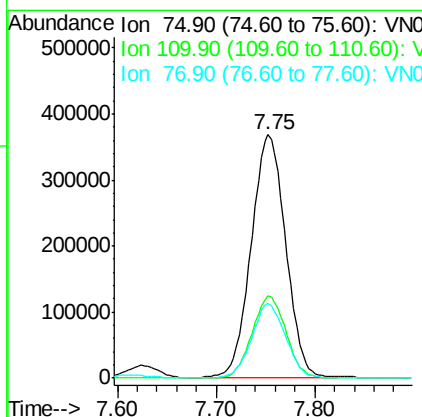
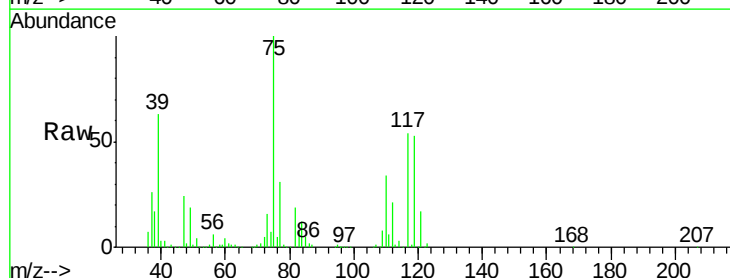
Manual Integrations
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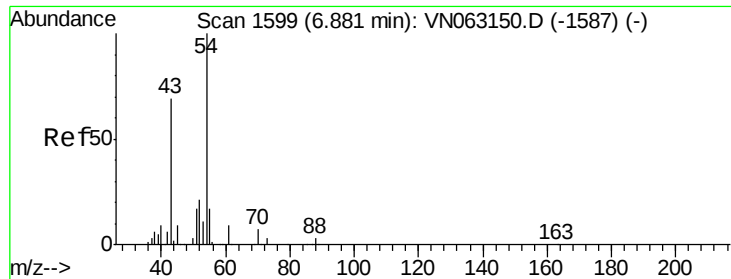
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 9/1/2020 9:07:22 AM



#36
 1,1-Dichloropropene
 Concen: 92.855 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063151.D
 Acq: 31 Aug 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	887022		
110	33.3	16.6	49.8	
77	30.5	25.4	38.2	





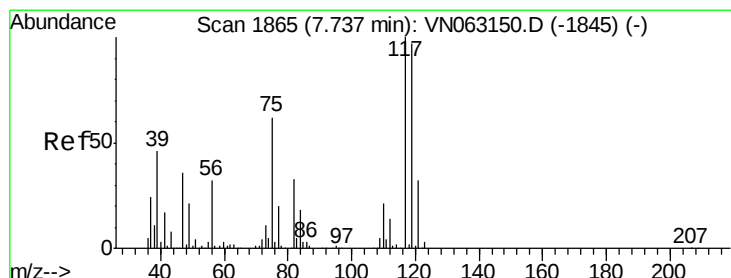
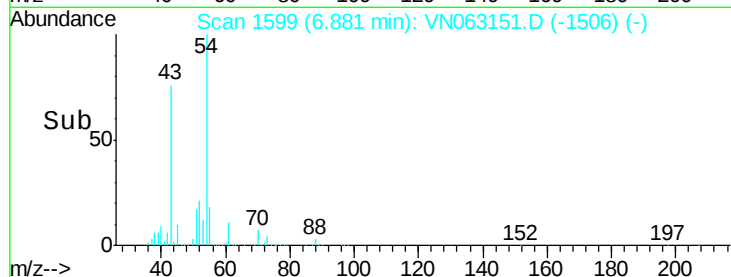
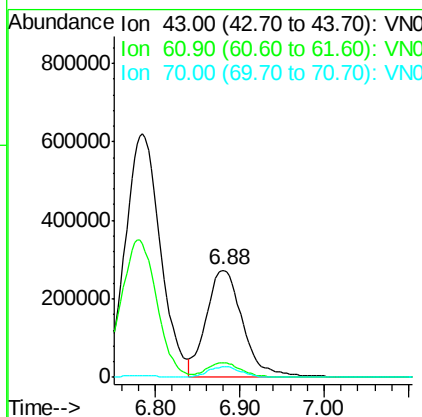
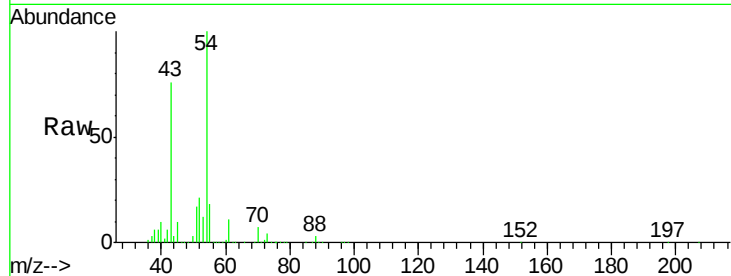
#37
Ethyl Acetate
Concen: 116.459 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.2	15.4
70	9.0	3.0	4.6

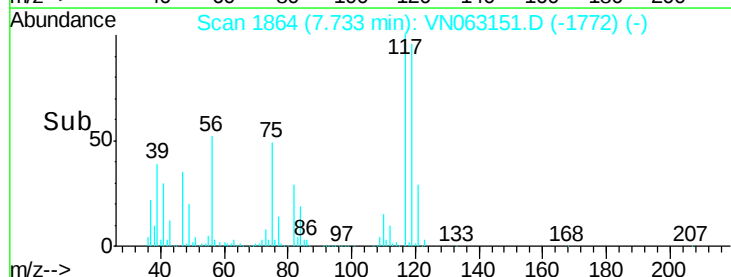
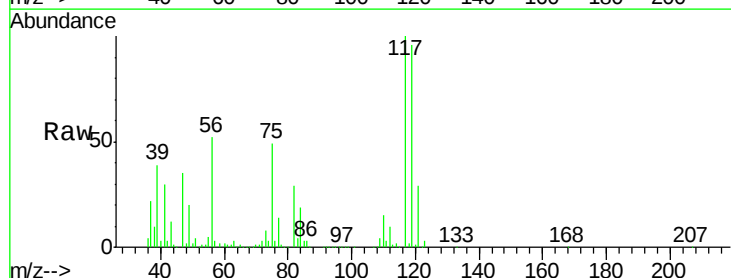
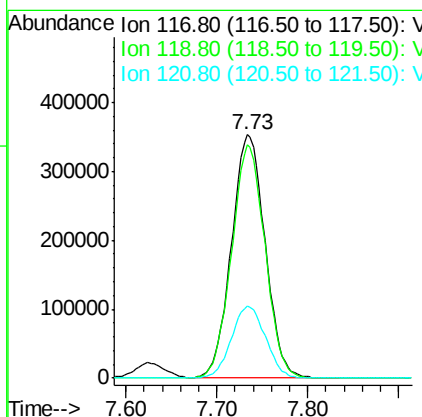
Manual Integrations
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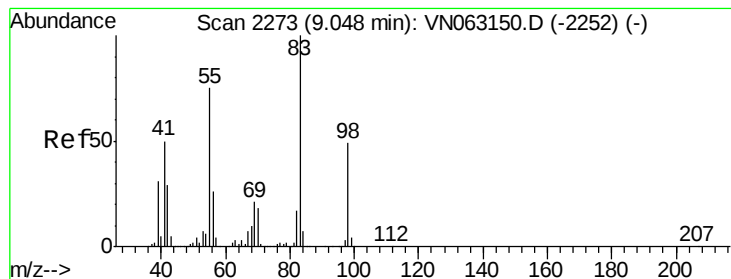
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#38
Carbon Tetrachloride
Concen: 88.297 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.2	115.8
121	29.5	25.6	38.4





#39

Methvlcvclohexane

Concen: 97.637 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

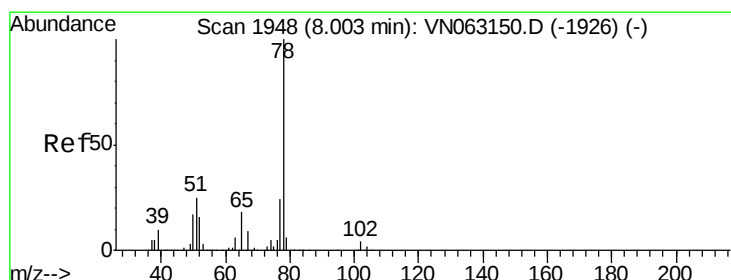
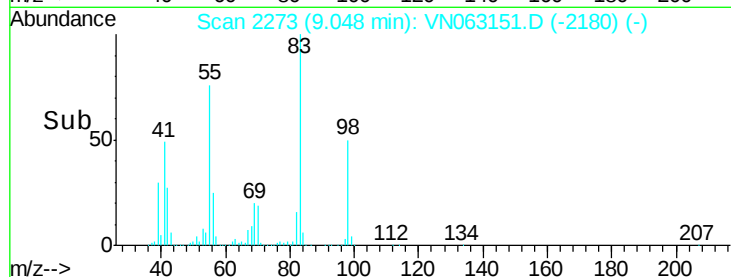
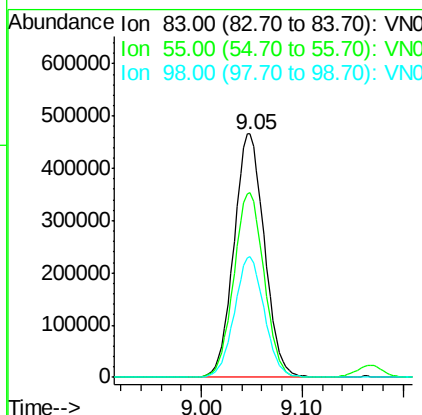
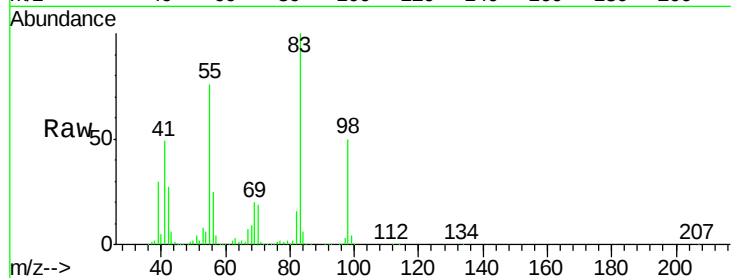
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	975736
Ion	Ratio	Lower	Upper
83	100		
55	75.8	60.3	90.5
98	49.6	38.9	58.3

Manual Integrations
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#40

Benzene

Concen: 88.187 ug/l

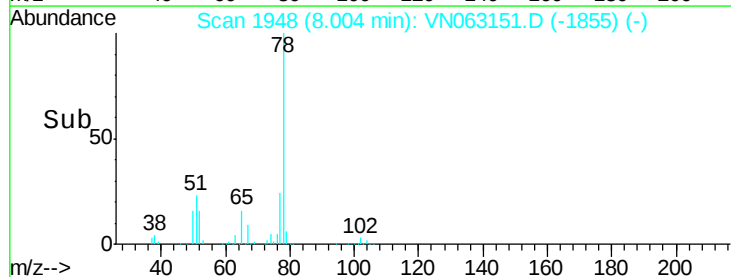
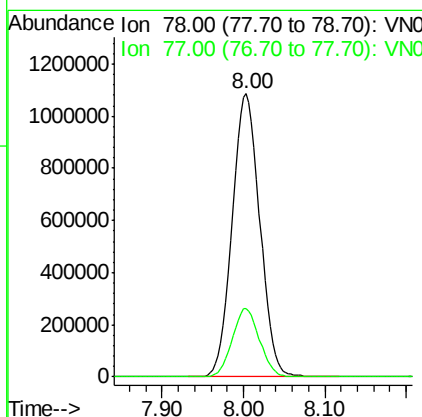
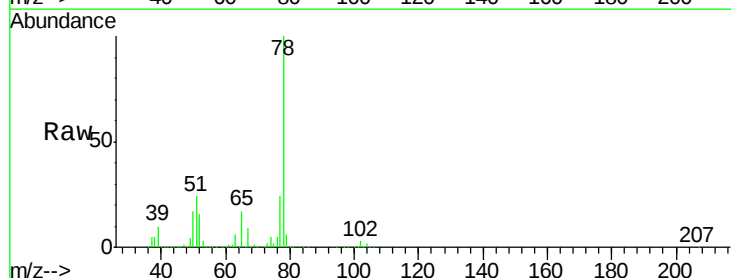
RT: 8.00 min Scan# 1948

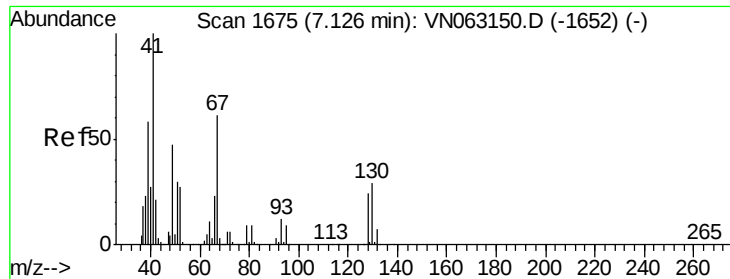
Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Tgt Ion:	78	Resp:	2569771
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





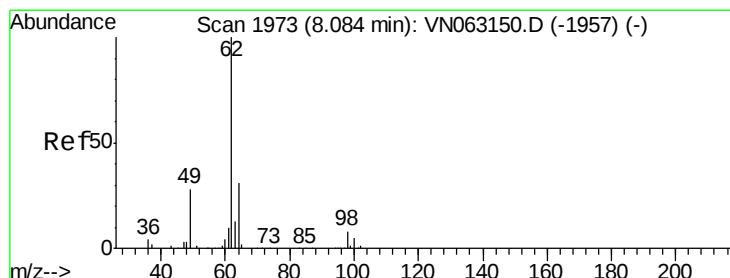
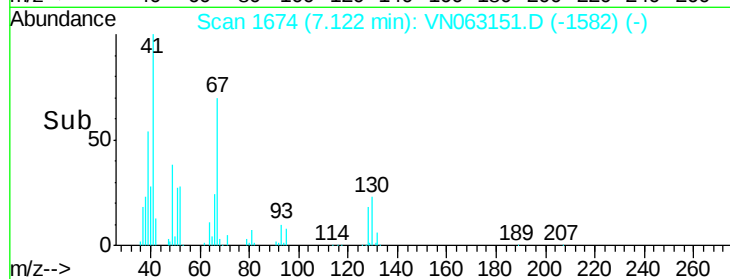
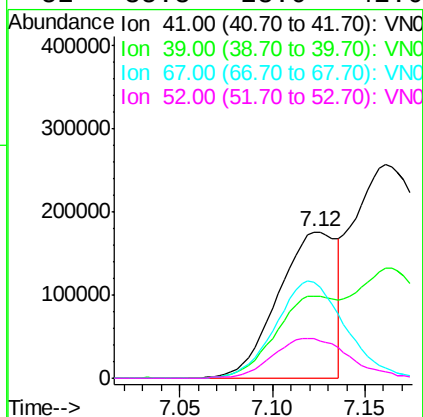
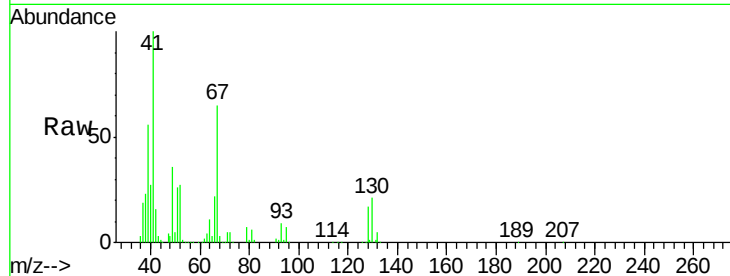
#41
Methacrylonitrile
Concen: 111.564 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.7	46.6	70.0
67	80.3	62.6	94.0
52	35.8	28.0	42.0

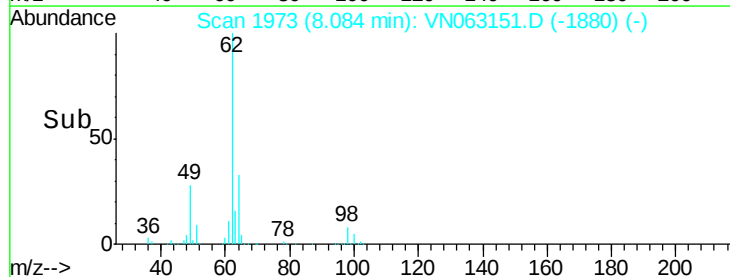
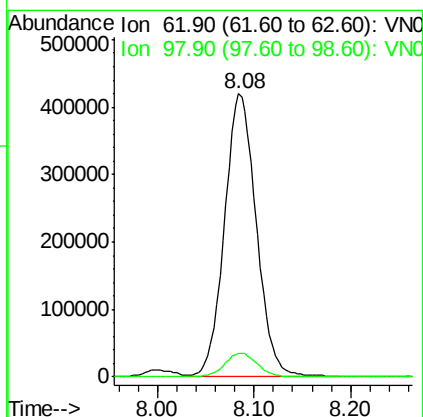
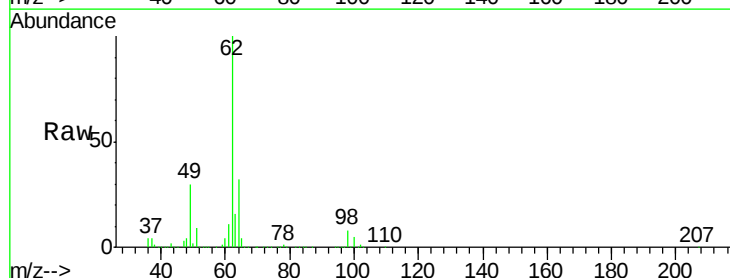
Manual Integrations
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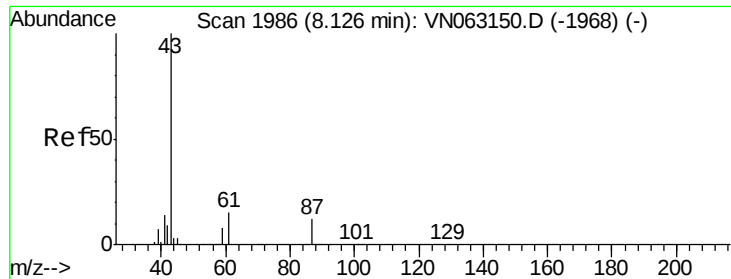
MMDadoda
9/1/2020 9:07:22 AM



#42
1,2-Dichloroethane
Concen: 97.049 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 120.390 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1462771

Ion Ratio Lower Upper

43 100

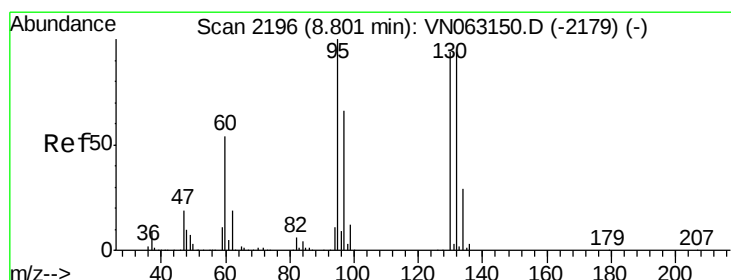
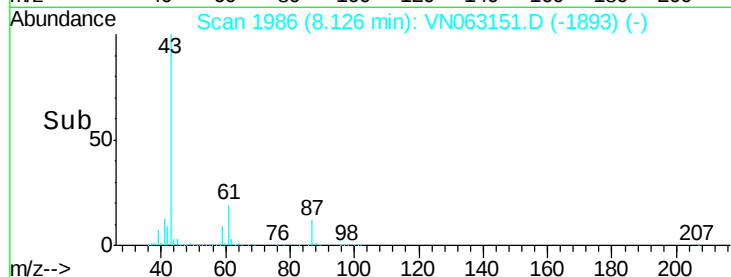
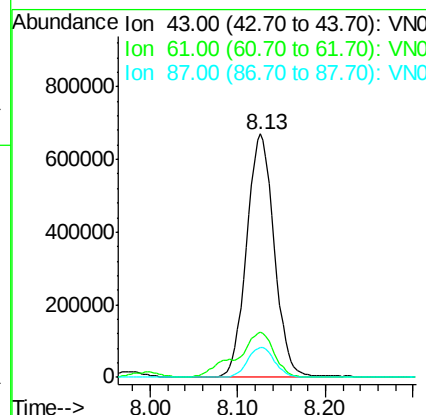
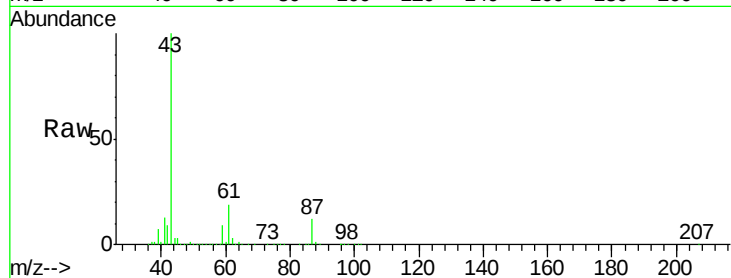
61 18.5 20.2 30.4#

87 12.2 9.8 14.6

Manual Integrations
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#44

Trichloroethene

Concen: 83.093 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063151.D

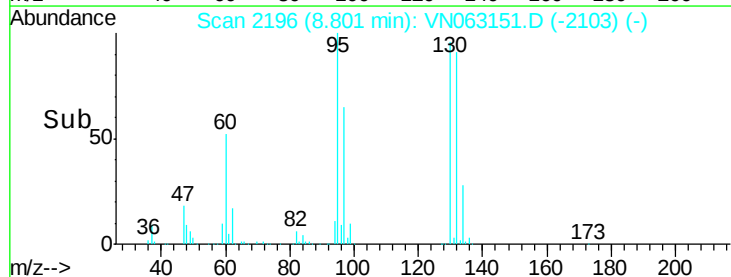
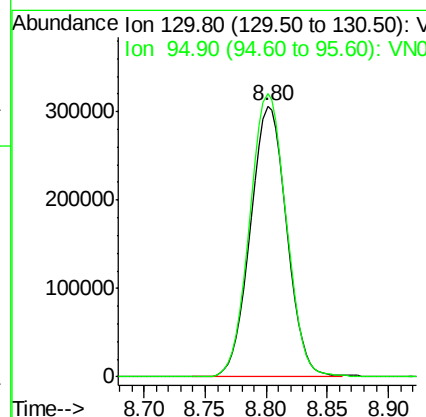
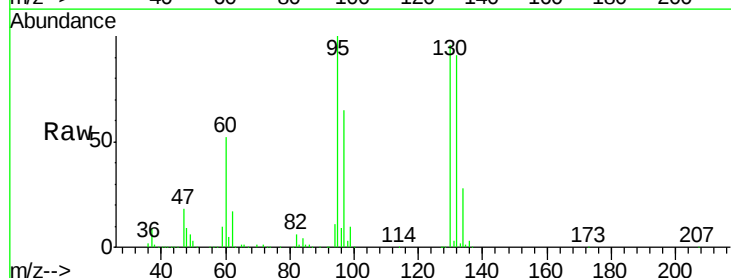
Acq: 31 Aug 2020 14:35

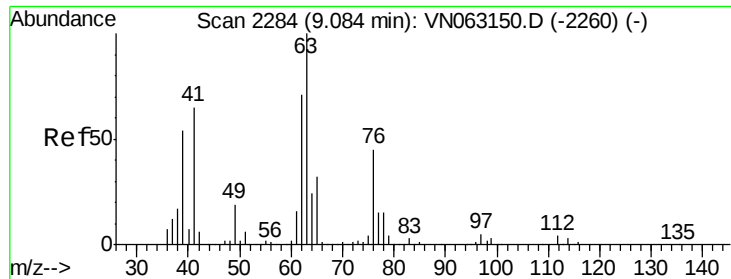
Tgt Ion: 130 Resp: 628919

Ion Ratio Lower Upper

130 100

95 104.4 0.0 212.0





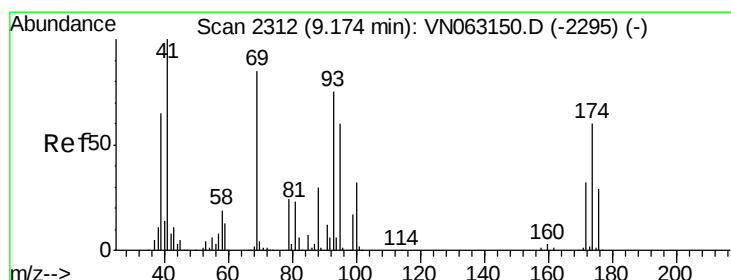
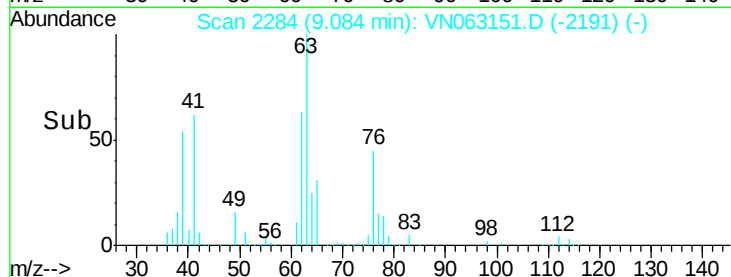
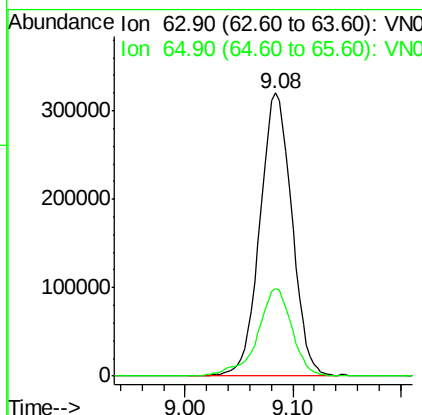
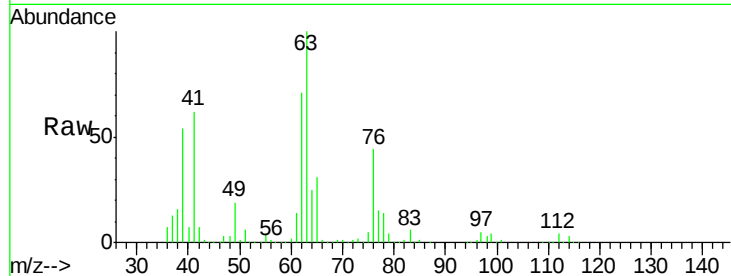
#45
 1,2-Dichloropropane
 Concen: 83.890 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063151.D
 Acq: 31 Aug 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	657945		
65	31.1	25.4	38.0	

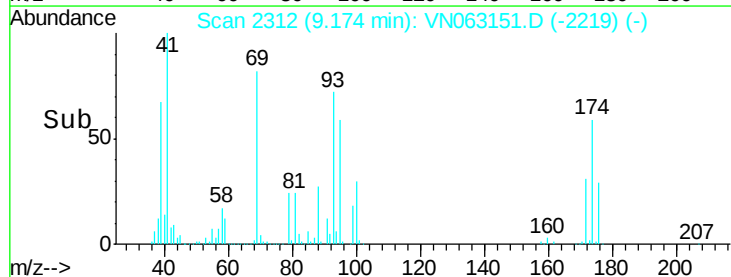
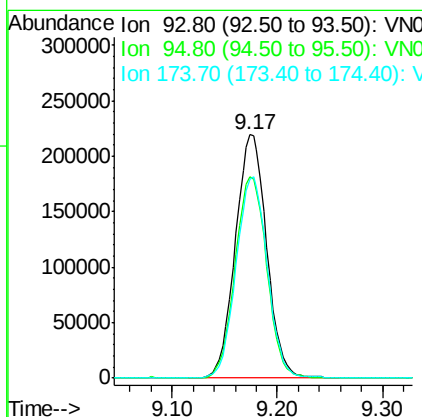
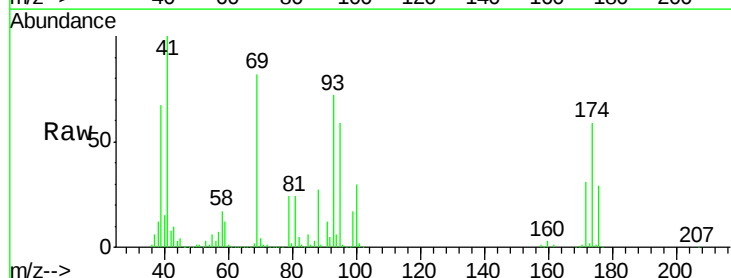
Manual Integrations
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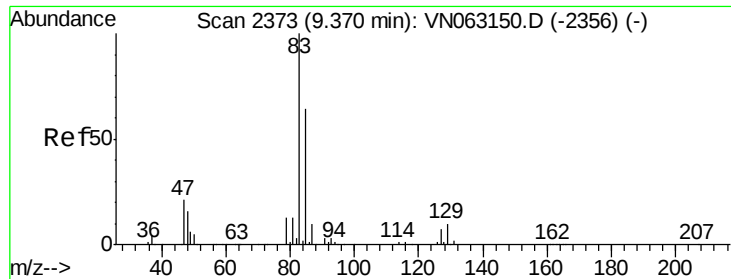
MMDadoda
 9/1/2020 9:07:22 AM



#46
 Dibromomethane
 Concen: 91.975 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063151.D
 Acq: 31 Aug 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	452926		
95	83.7	65.2	97.8	
174	82.6	64.6	97.0	





#47

Bromodichloromethane

Concen: 95.211 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

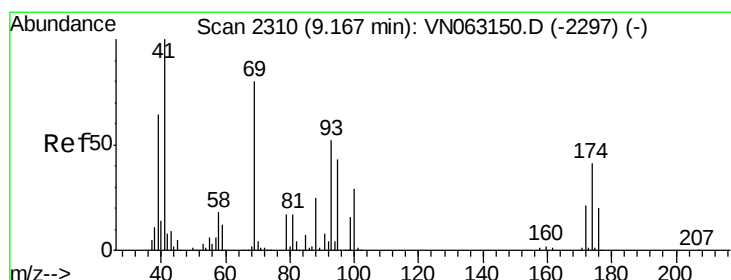
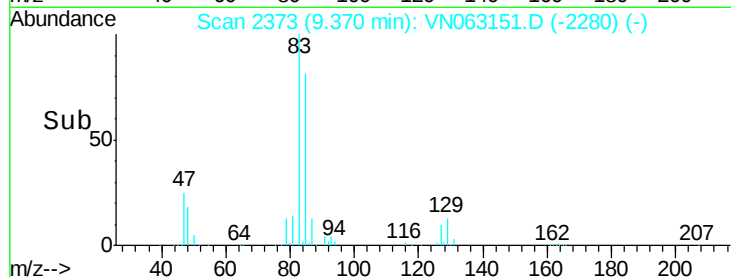
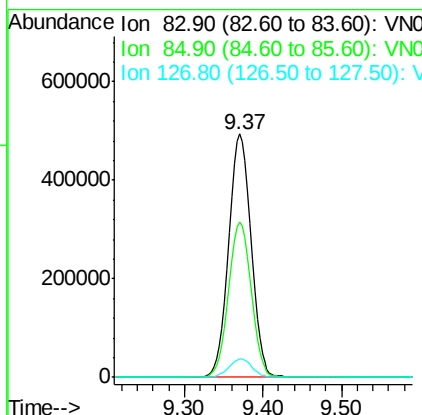
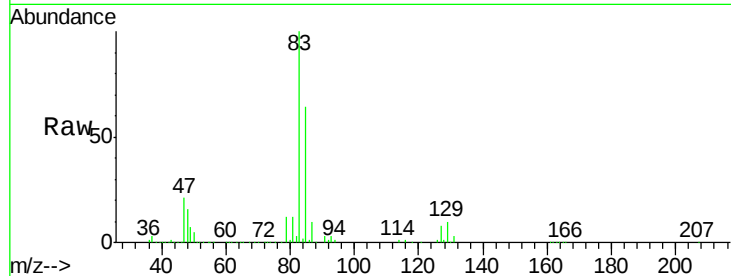
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	973857
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.0	76.6
127	7.6	5.7	8.5

Manual Integrations
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9/1/2020 9:07:22 AM



#48

Methyl methacrylate

Concen: 112.703 ug/l

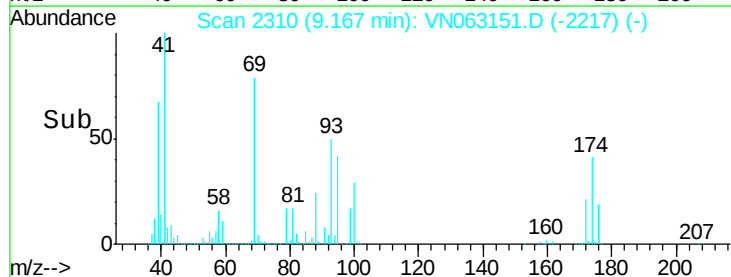
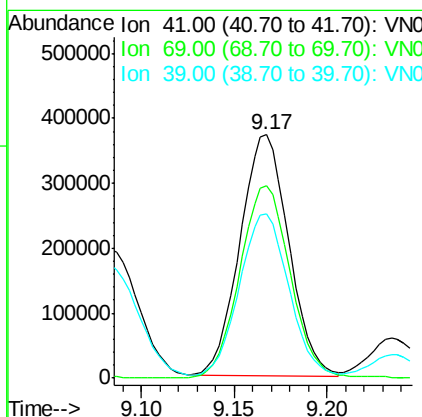
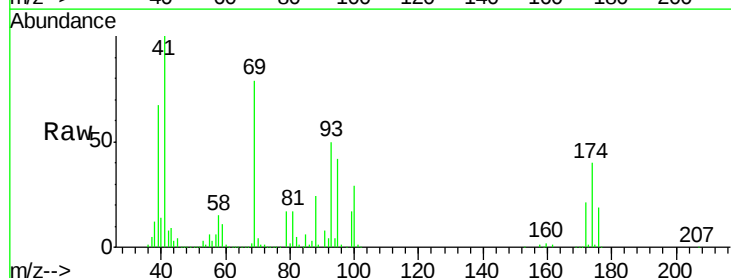
RT: 9.17 min Scan# 2310

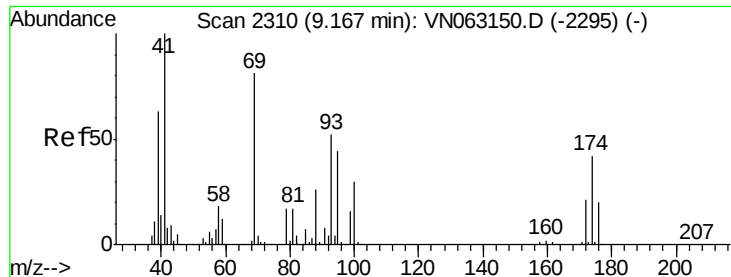
Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Tgt Ion:	41	Resp:	676126
Ion Ratio	Lower	Upper	
41	100		
69	82.9	65.9	98.9
39	70.0	52.0	78.0





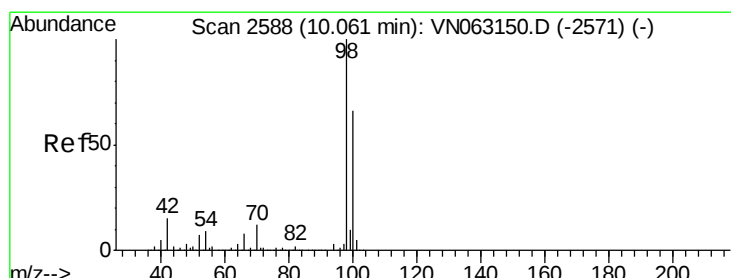
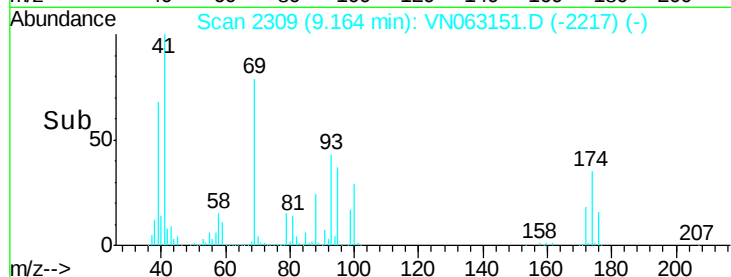
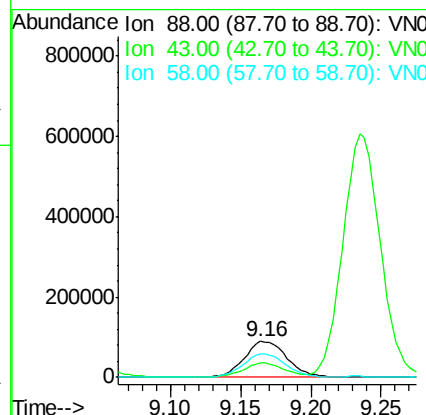
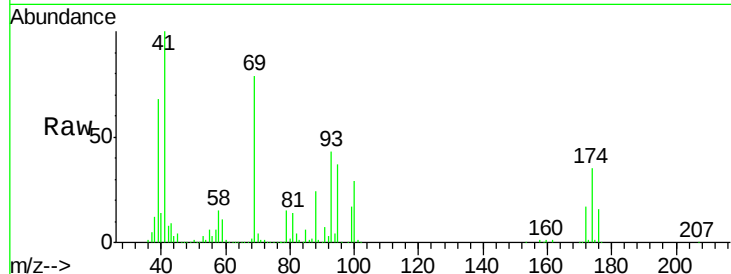
#49
1,4-Dioxane
Concen: 2222.361 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	189330		
43	36.4	28.6	42.8	
58	65.3	53.2	79.8	

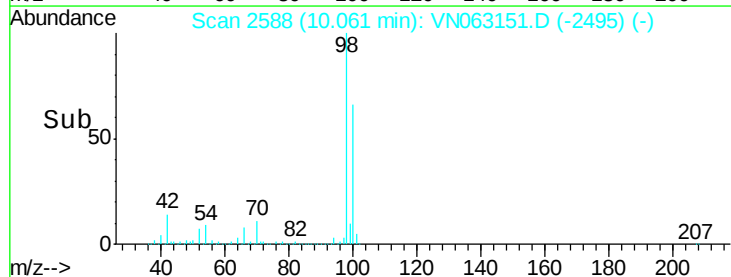
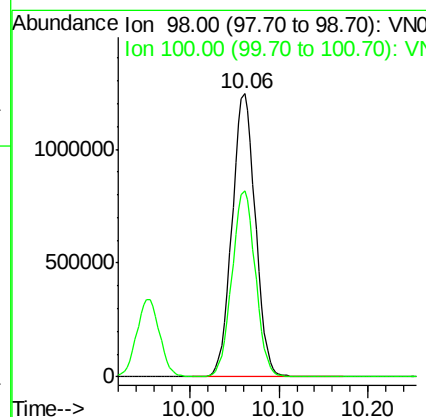
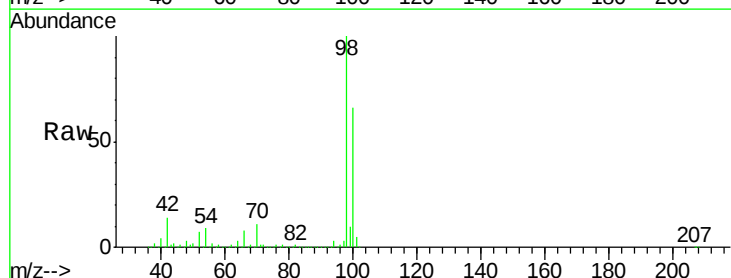
Manual Integrations
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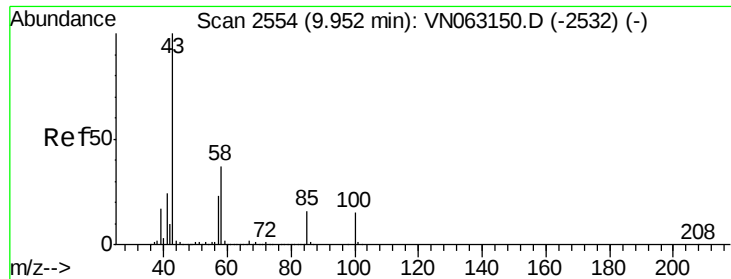
MMDadoda
9/1/2020 9:07:22 AM



#50
Toluene-d8
Concen: 87.408 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2255178		
100	66.0	52.0	78.0	





#51

4-Methyl-2-Pentanone

Concen: 577.880 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3908585

Ion Ratio Lower Upper

43 100

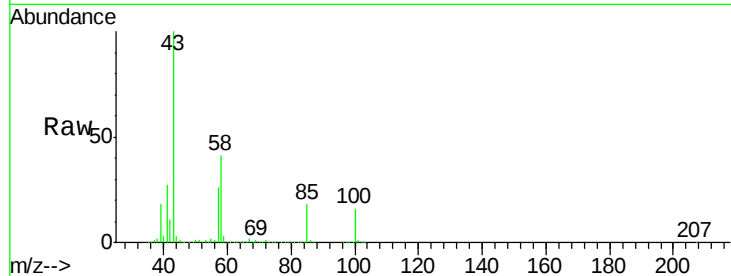
58 38.8 29.2 43.8

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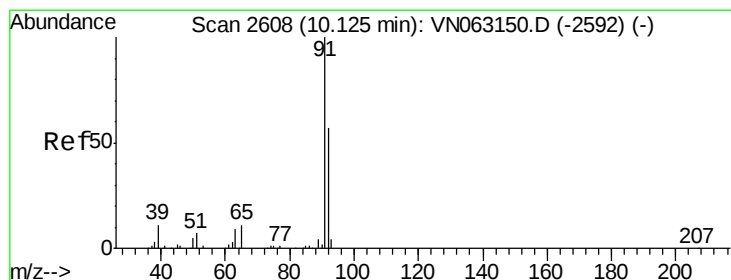
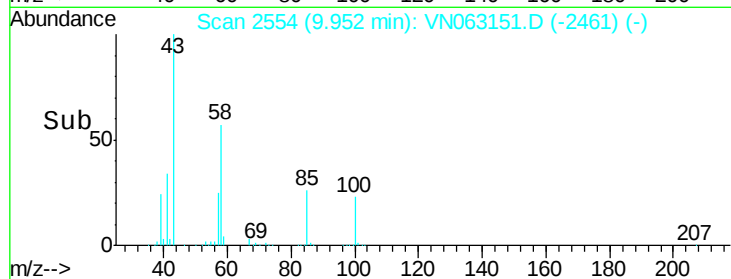
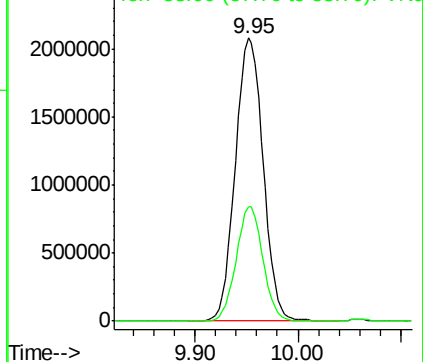
MMDadoda

9/1/2020 9:07:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 96.100 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063151.D

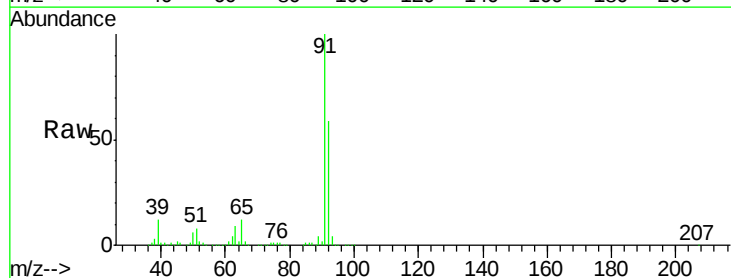
Acq: 31 Aug 2020 14:35

Tgt Ion: 92 Resp: 1666266

Ion Ratio Lower Upper

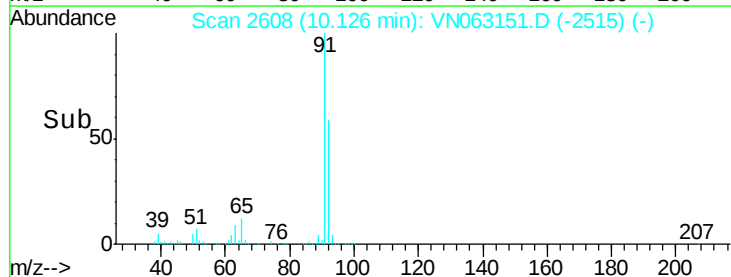
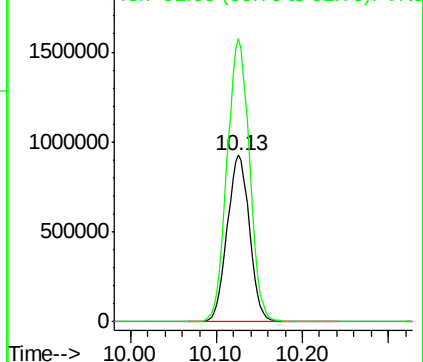
92 100

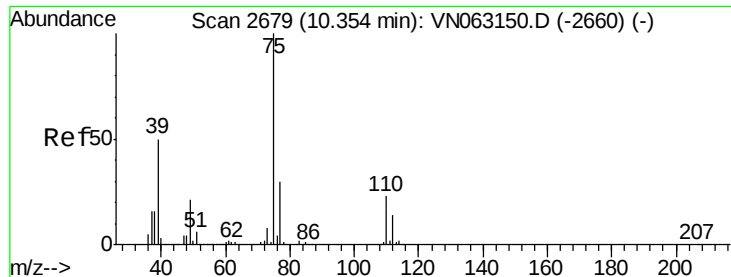
91 171.4 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





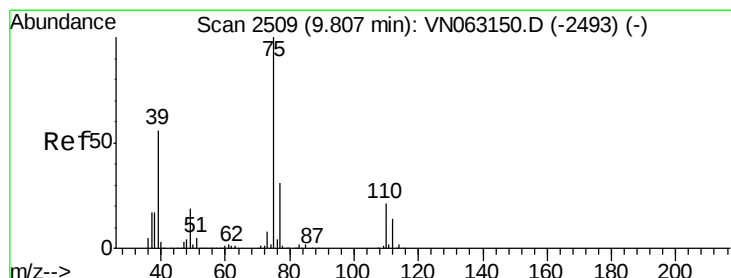
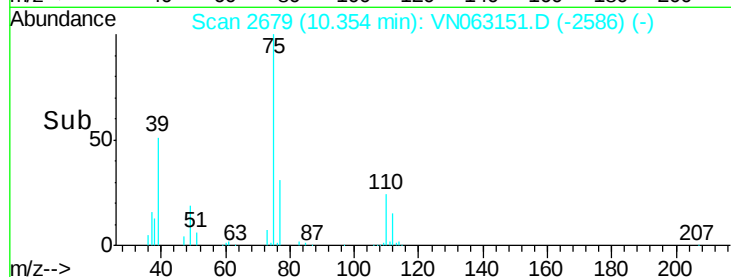
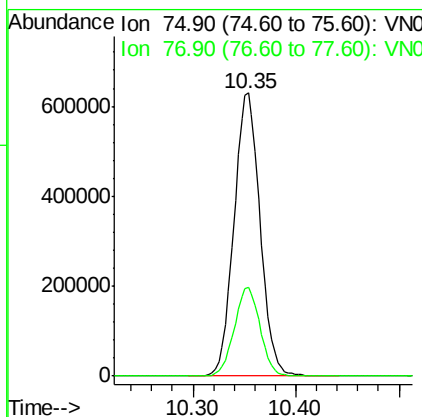
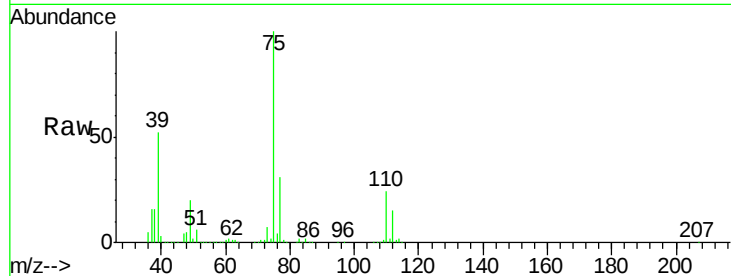
#53
t-1,3-Dichloropropene
Concen: 107.776 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 75 Resp: 1109927
Ion Ratio Lower Upper
75 100
77 31.2 24.2 36.2

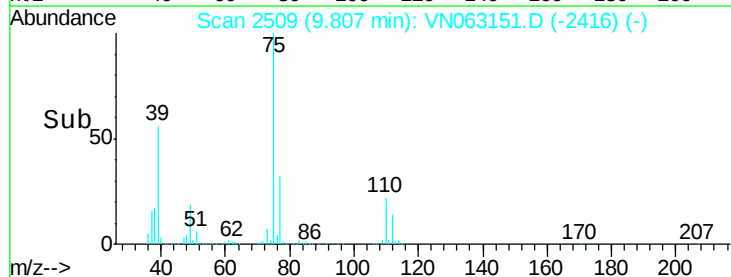
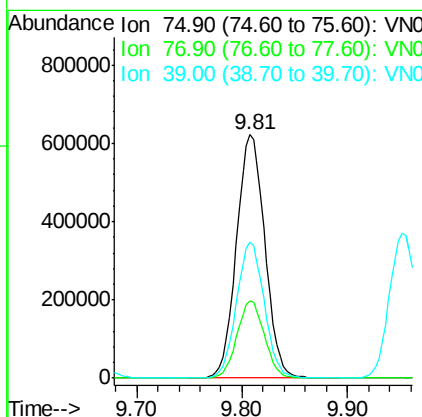
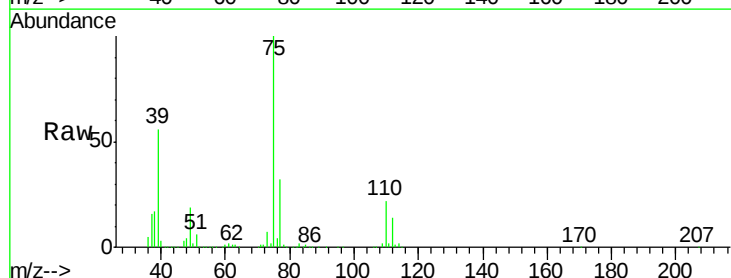
Manual Integrations
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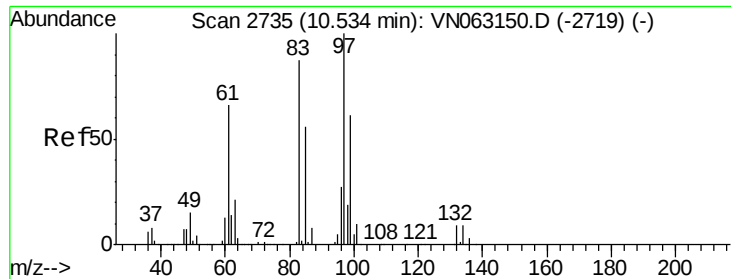
MMDadoda
9/1/2020 9:07:22 AM



#54
cis-1,3-Dichloropropene
Concen: 103.653 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion: 75 Resp: 1161060
Ion Ratio Lower Upper
75 100
77 31.7 24.8 37.2
39 55.8 45.0 67.6





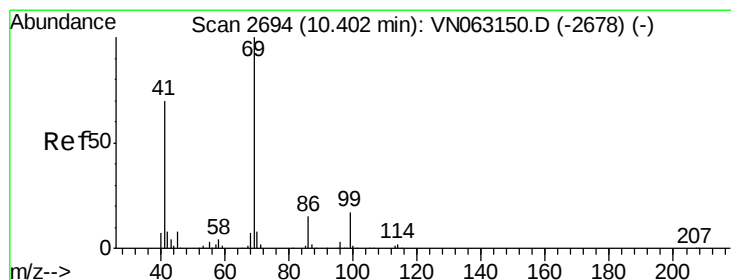
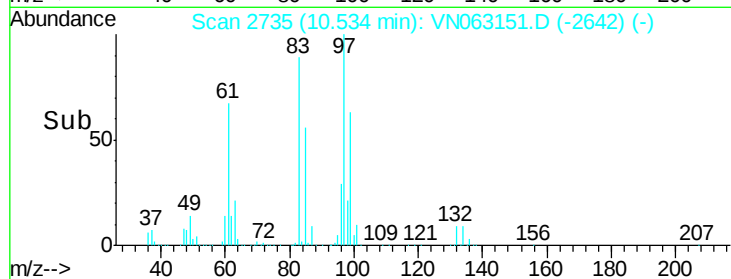
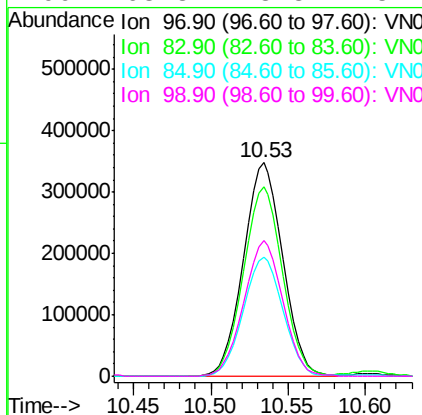
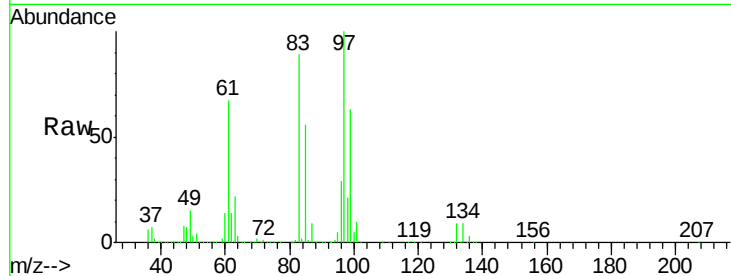
#55
 1,1,2-Trichloroethane
 Concen: 85.629 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063151.D
 Acq: 31 Aug 2020 14:35

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:	97	Resp:	615874
Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.8	104.8
85	55.6	44.9	67.3
99	63.3	48.8	73.2

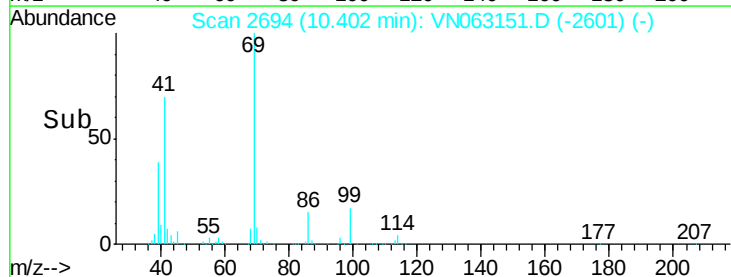
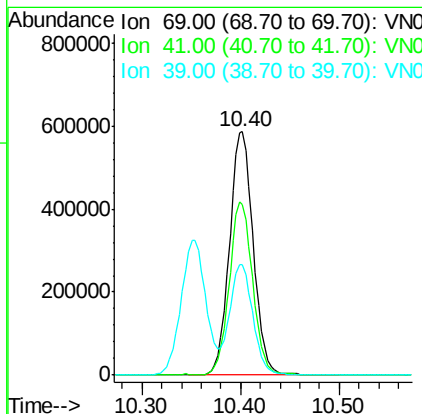
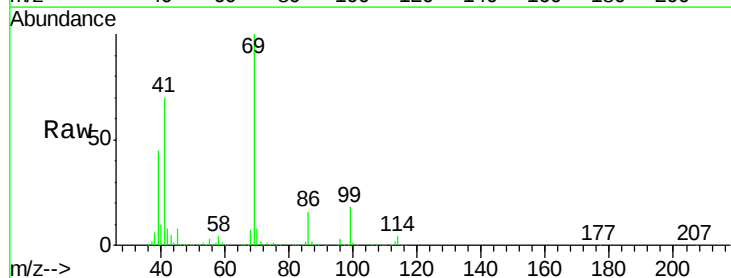
Manual Integrations
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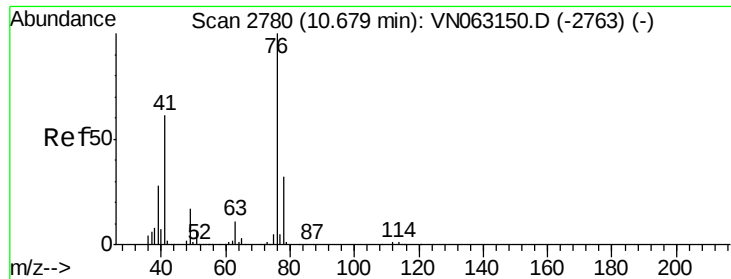
MMDadoda
 9/1/2020 9:07:22 AM



#56
 Ethyl methacrylate
 Concen: 114.683 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063151.D
 Acq: 31 Aug 2020 14:35

Tgt Ion:	69	Resp:	985618
Ion	Ratio	Lower	Upper
69	100		
41	69.5	55.5	83.3
39	45.1	38.2	57.2





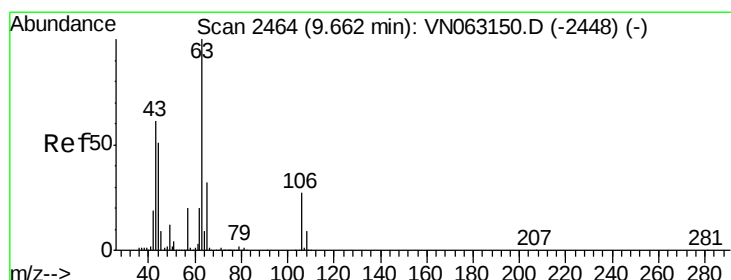
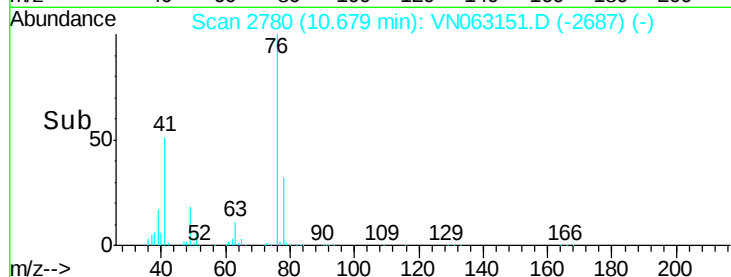
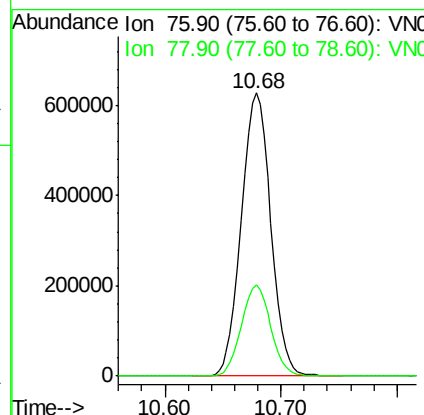
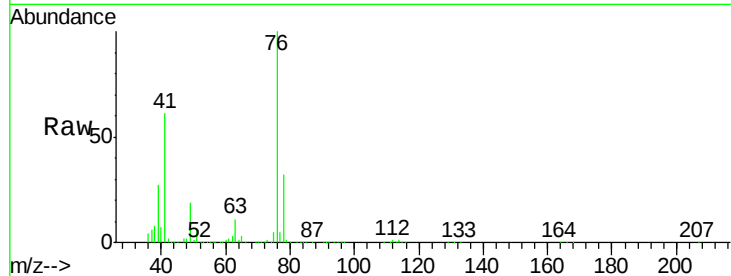
#57
 1,3-Dichloropropane
 Concen: 96.364 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063151.D
 Acq: 31 Aug 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 1104546
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.5 38.3

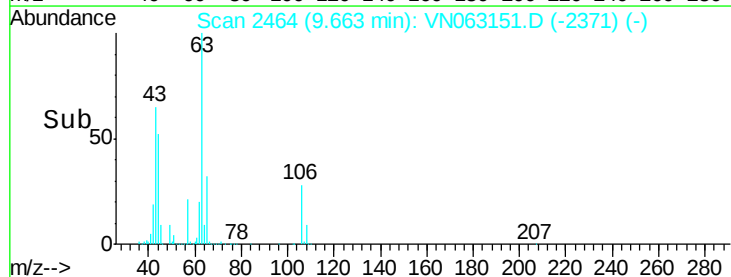
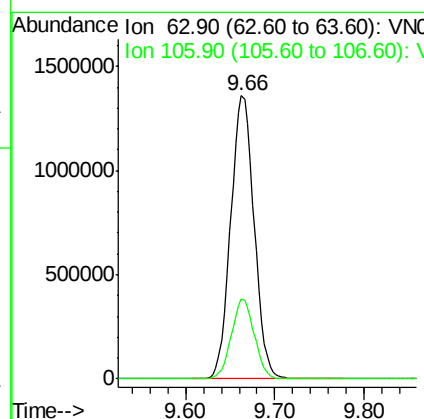
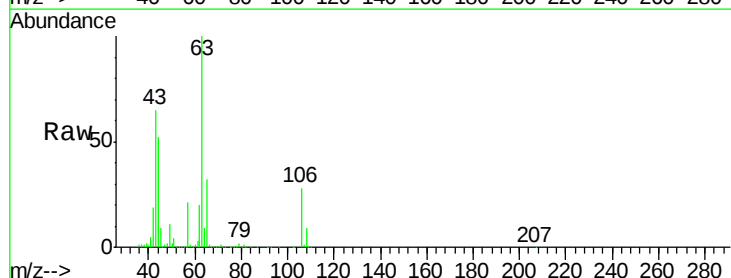
Manual Integrations
 APPROVED

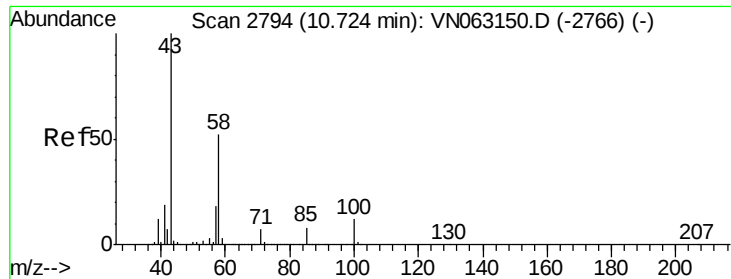
MMDadoda
 9/1/2020 9:07:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 620.871 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063151.D
 Acq: 31 Aug 2020 14:35

Tgt Ion: 63 Resp: 2473758
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.8 32.6





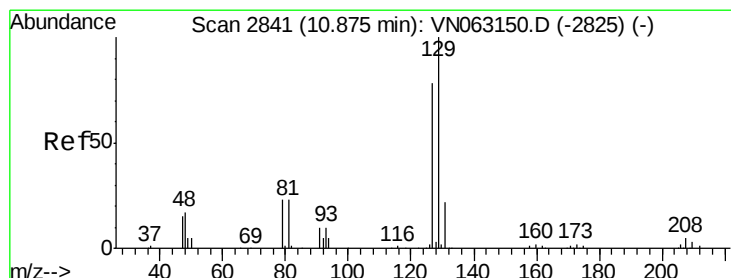
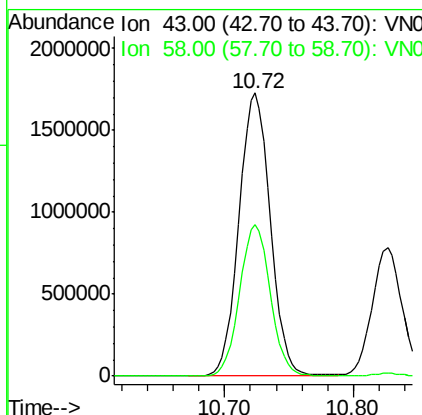
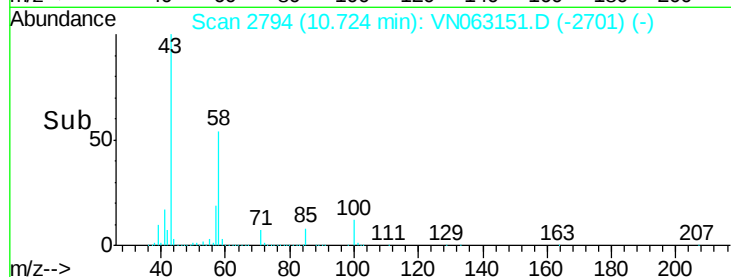
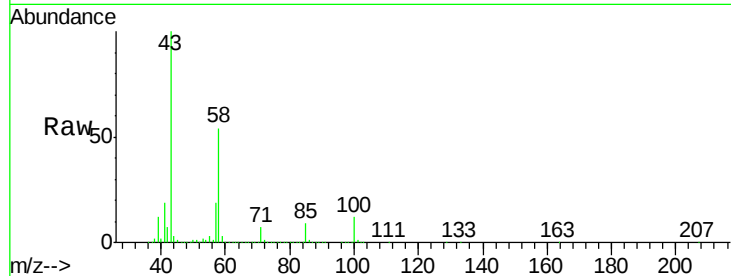
#59
2-Hexanone
Concen: 635.384 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2916396
Ion Ratio Lower Upper
43 100
58 52.8 25.9 77.8

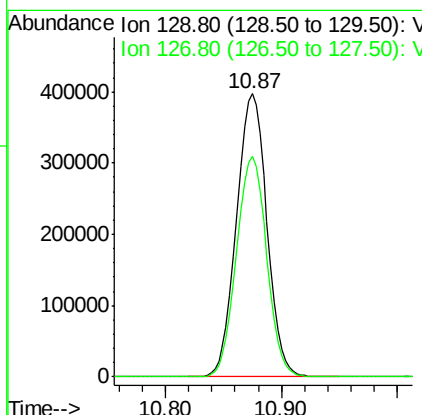
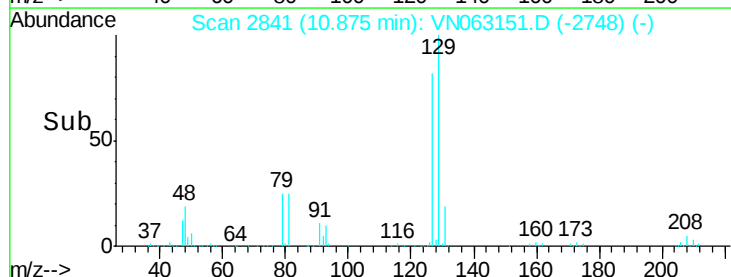
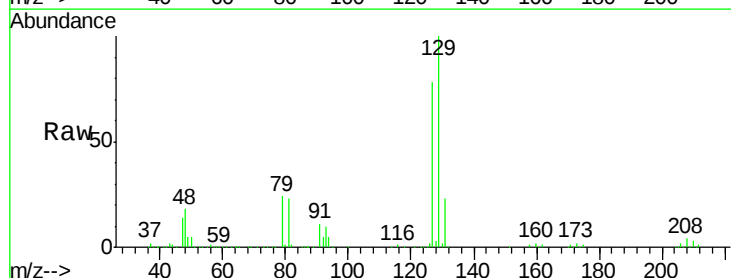
Manual Integrations
APPROVED

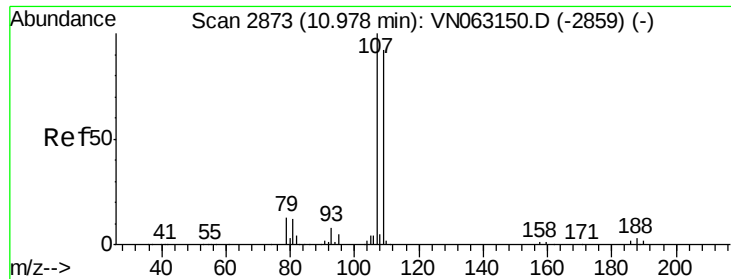
MMDadoda
9/1/2020 9:07:22 AM



#60
Dibromochloromethane
Concen: 91.778 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion: 129 Resp: 721185
Ion Ratio Lower Upper
129 100
127 77.7 39.0 117.0





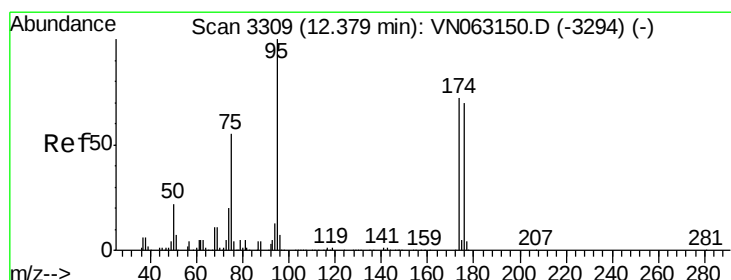
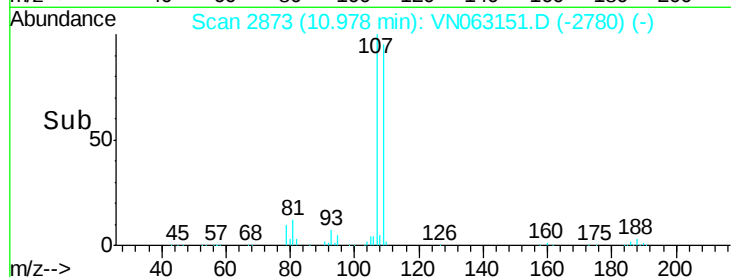
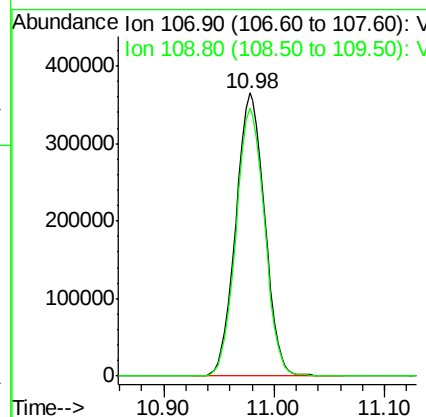
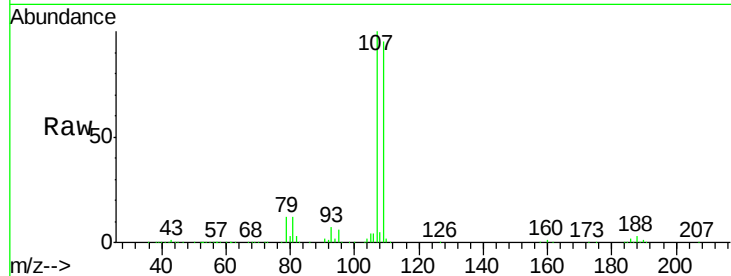
#61
 1,2-Dibromoethane
 Concen: 97.816 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063151.D
 Acq: 31 Aug 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	73.4	110.0

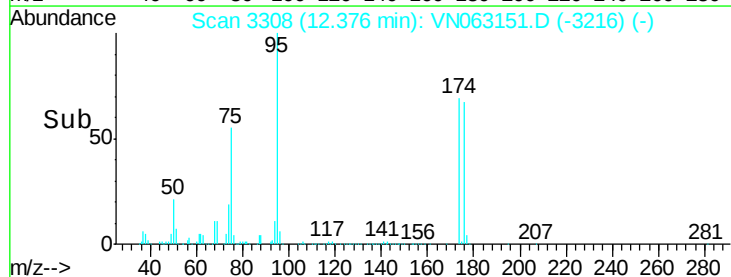
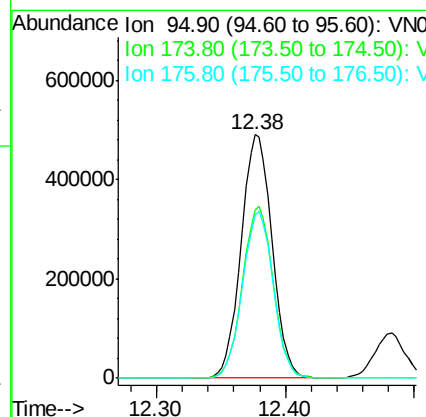
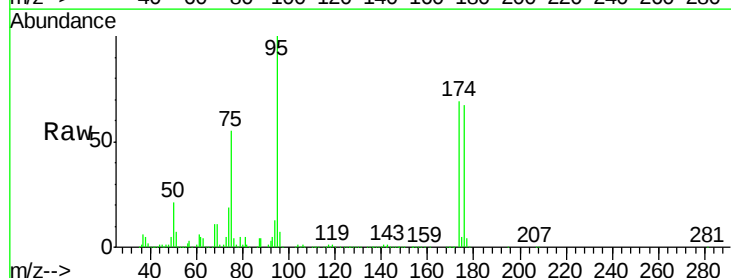
Manual Integrations
 APPROVED

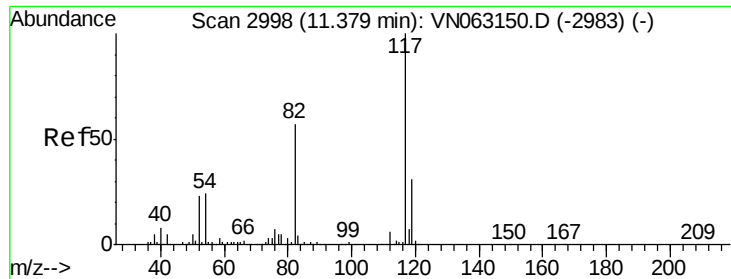
MMDadoda
 9/1/2020 9:07:22 AM



#62
 4-Bromofluorobenzene
 Concen: 92.023 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063151.D
 Acq: 31 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.9	0.0	143.8
176	67.7	0.0	138.4





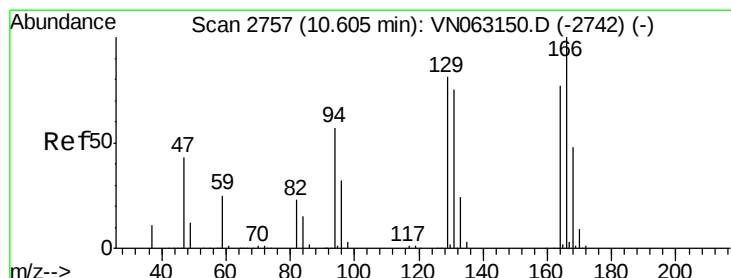
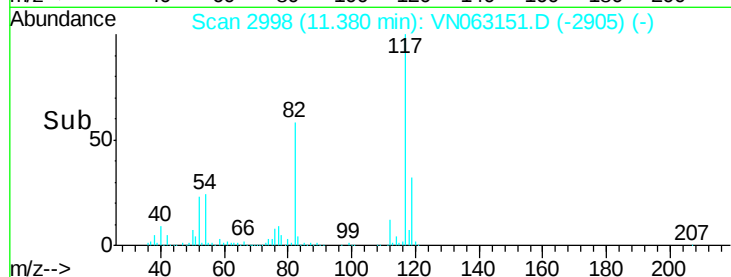
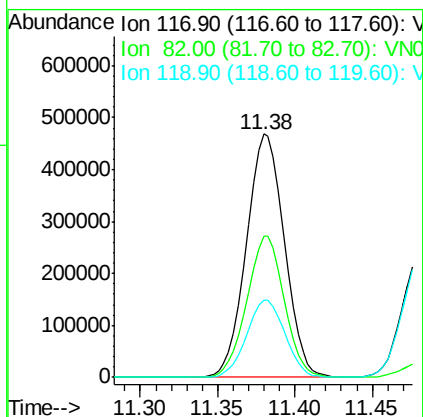
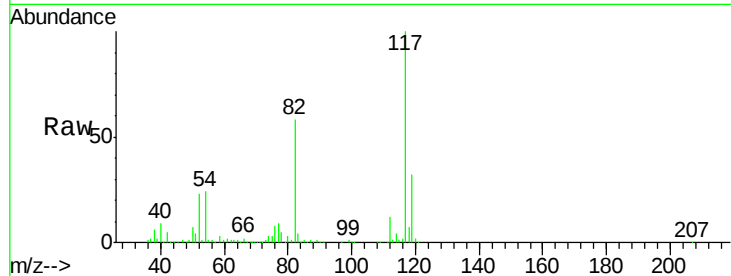
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.4	68.0
119	31.8	24.6	37.0

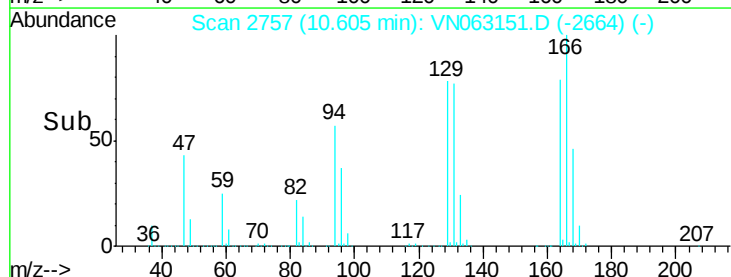
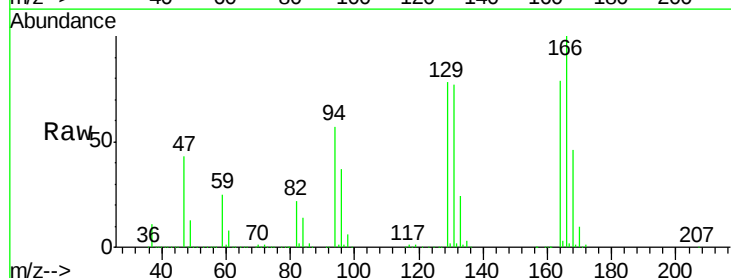
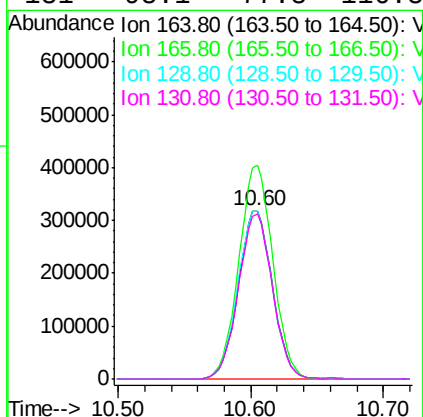
Manual Integrations
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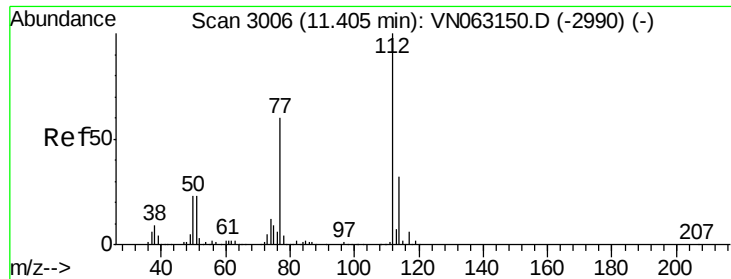
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#64
Tetrachloroethene
Concen: 80.491 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	103.4	155.2
129	99.9	83.4	125.0
131	98.1	77.8	116.8





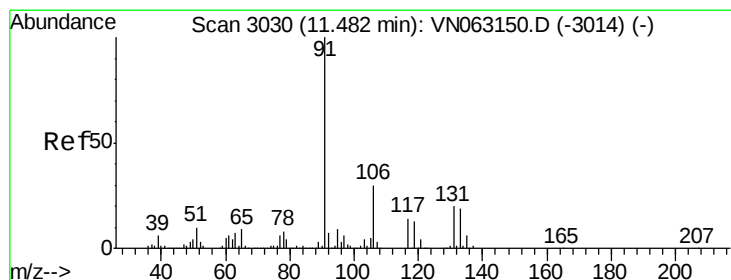
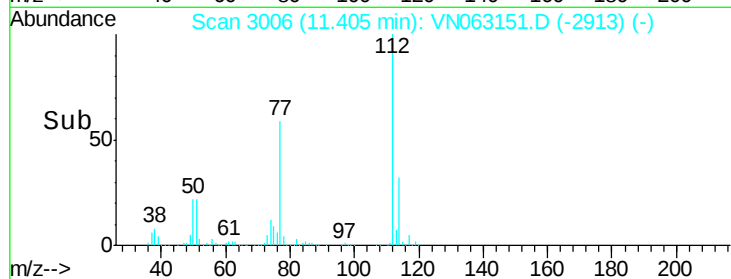
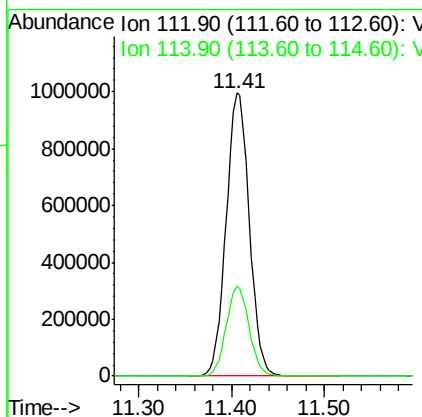
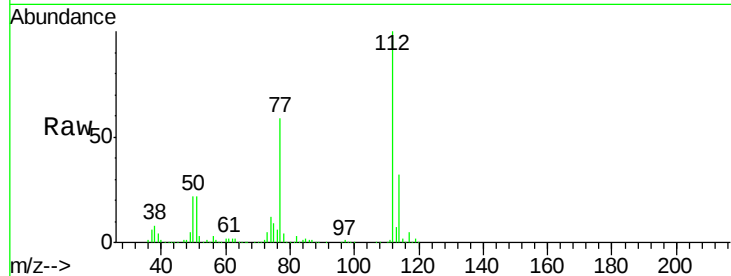
#65
Chlorobenzene
Concen: 86.972 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:112 Resp: 1719096
Ion Ratio Lower Upper
112 100
114 31.6 25.2 37.8

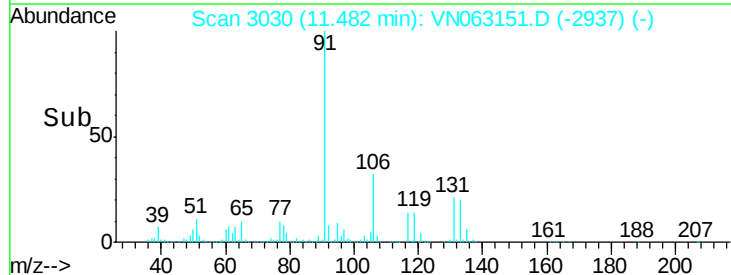
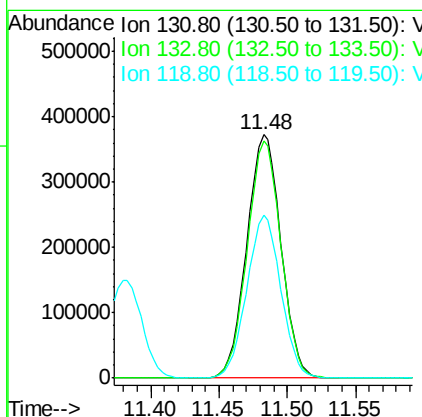
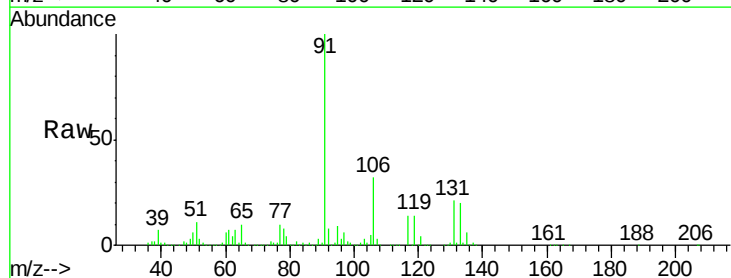
Manual Integrations
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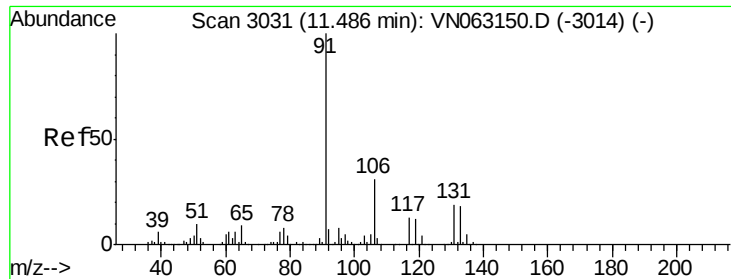
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#66
1,1,1,2-Tetrachloroethane
Concen: 84.476 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion:131 Resp: 647897
Ion Ratio Lower Upper
131 100
133 96.4 47.3 142.0
119 66.5 32.4 97.0





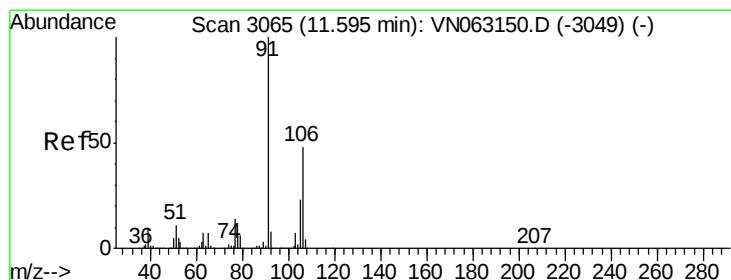
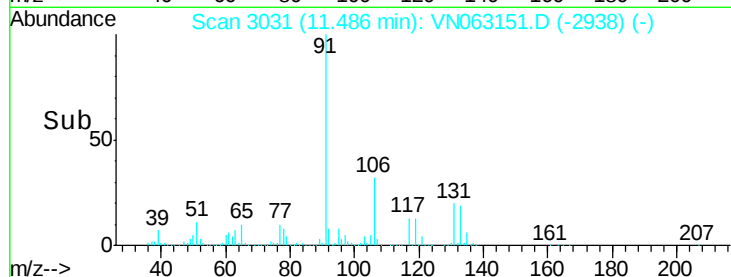
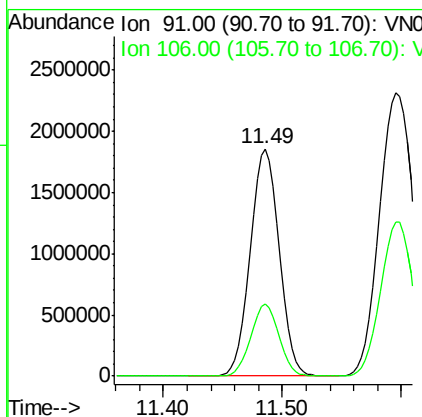
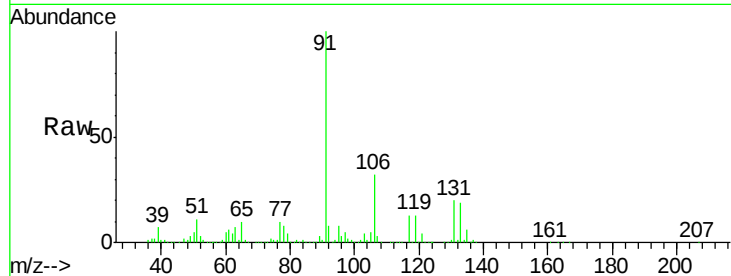
#67
Ethyl Benzene
Concen: 96.518 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 3126131
Ion Ratio Lower Upper
91 100
106 32.0 24.4 36.6

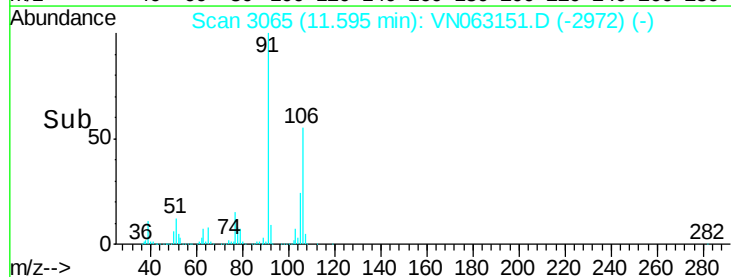
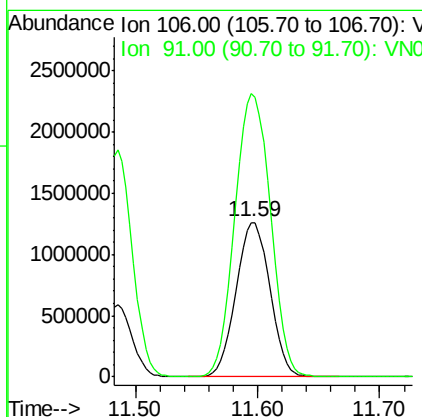
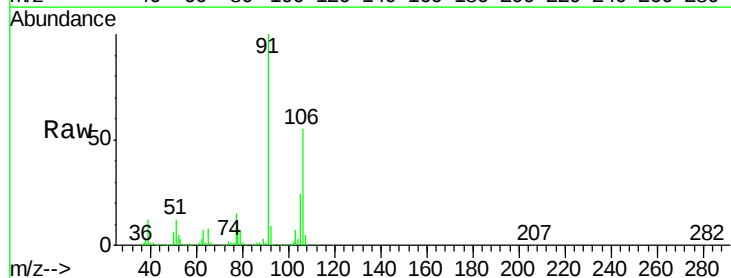
Manual Integrations
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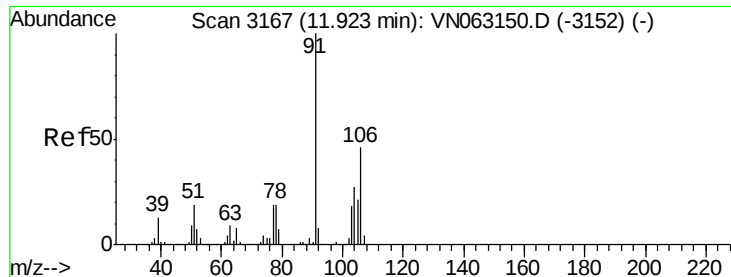
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#68
m/p-Xylenes
Concen: 199.472 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion: 106 Resp: 2421451
Ion Ratio Lower Upper
106 100
91 193.2 166.7 250.1





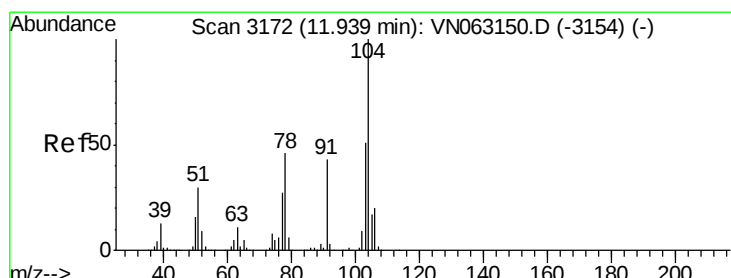
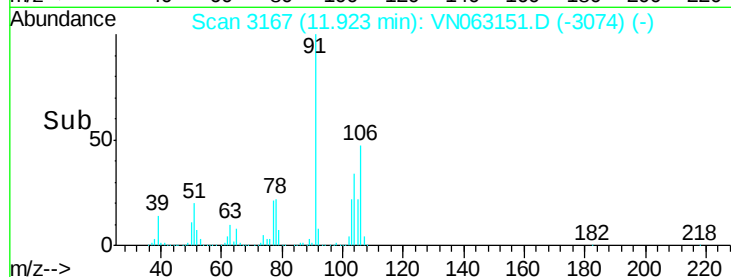
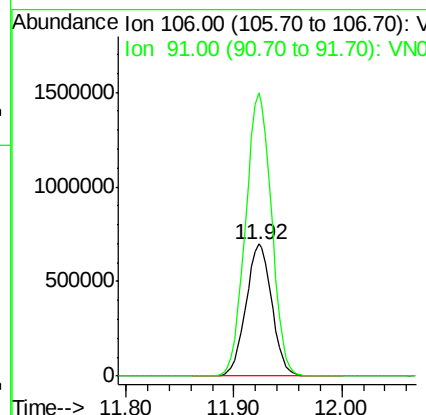
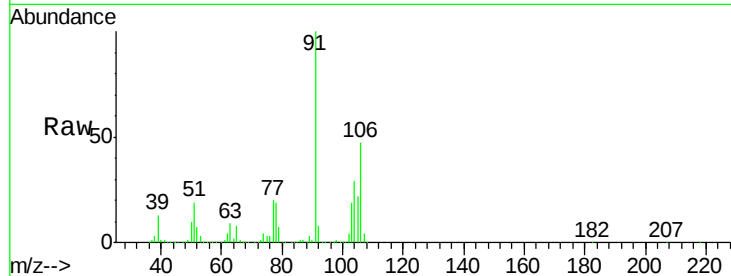
#69
o-Xylene
Concen: 98.767 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 1155246
Ion Ratio Lower Upper
106 100
91 215.7 108.6 325.6

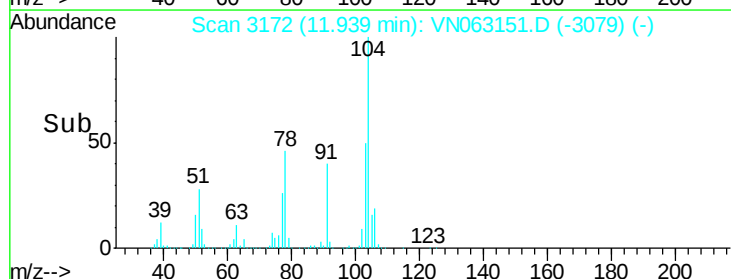
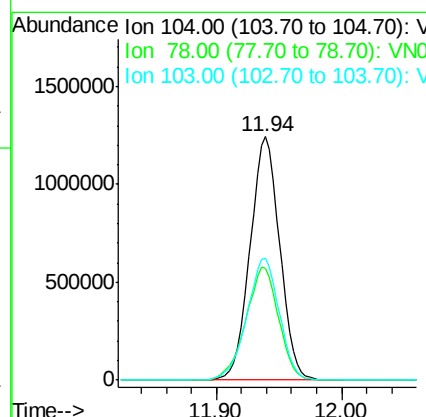
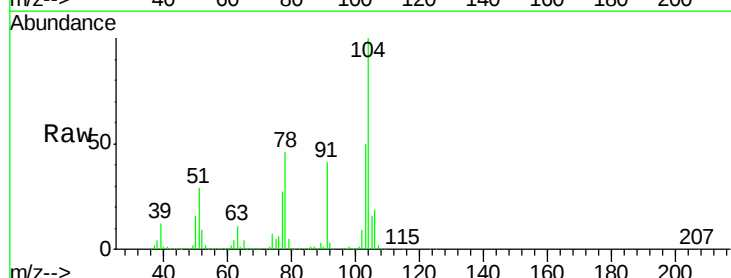
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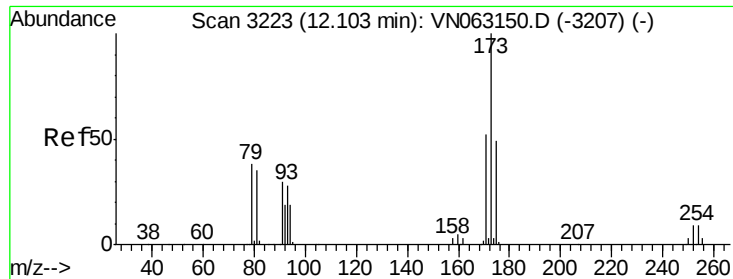
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#70
Styrene
Concen: 107.574 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion:104 Resp: 2048206
Ion Ratio Lower Upper
104 100
78 51.3 41.0 61.6
103 54.6 43.8 65.8





#71

Bromoform

Concen: 88.169 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 474934

Ion Ratio Lower Upper

173 100

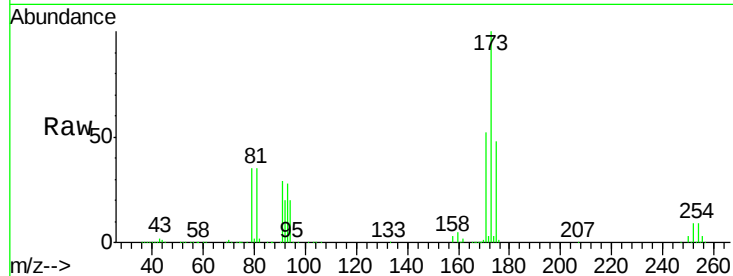
175 47.3 24.6 73.8

254 0.1 0.0 0.0#

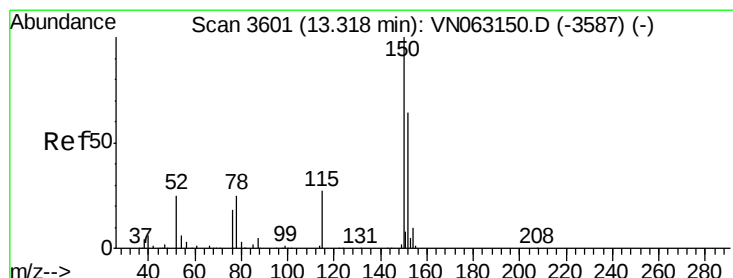
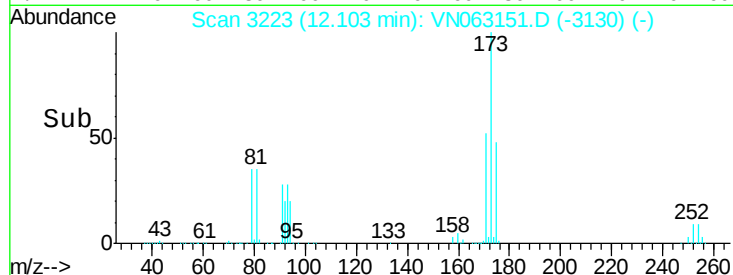
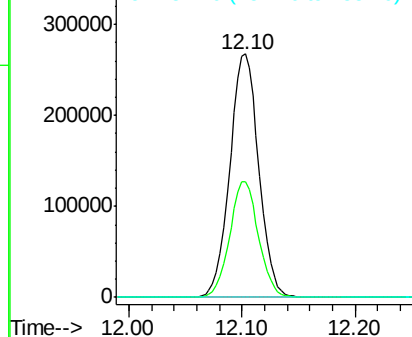
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

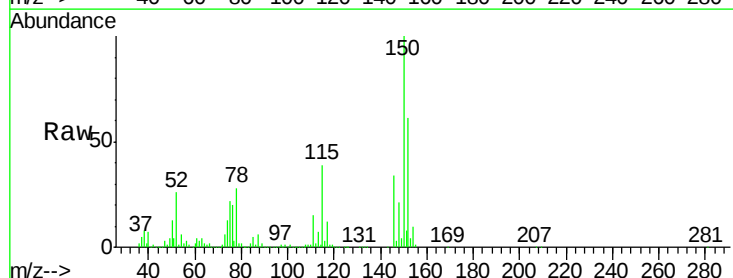
Tgt Ion:152 Resp: 393531

Ion Ratio Lower Upper

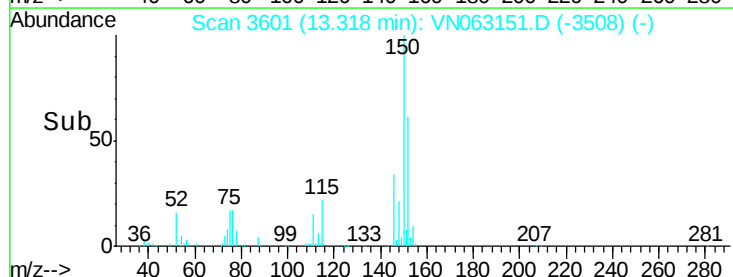
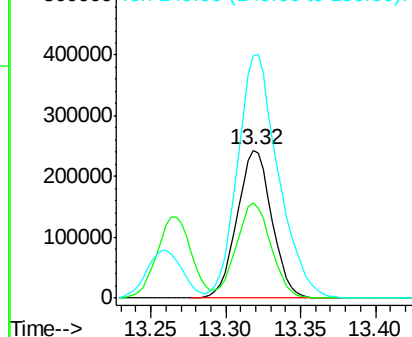
152 100

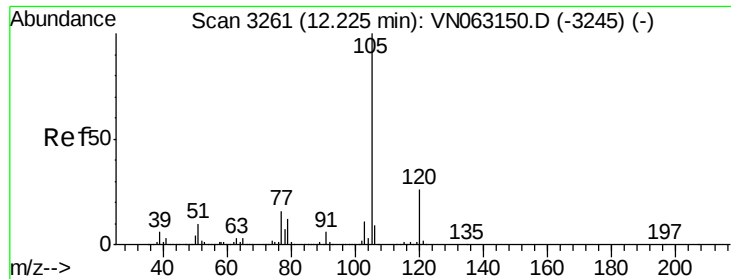
115 63.7 32.0 96.2

150 192.8 0.0 353.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





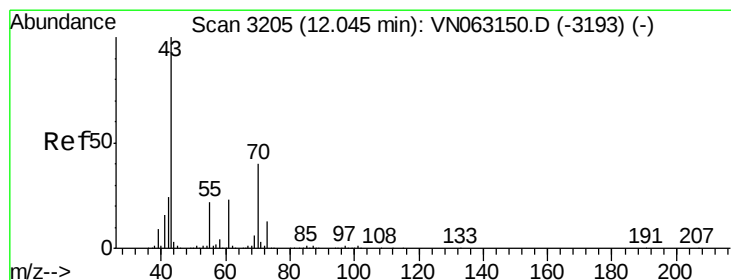
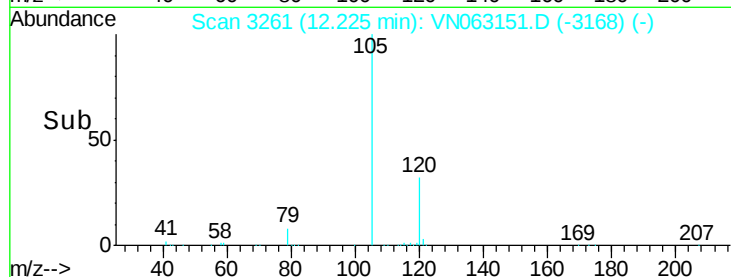
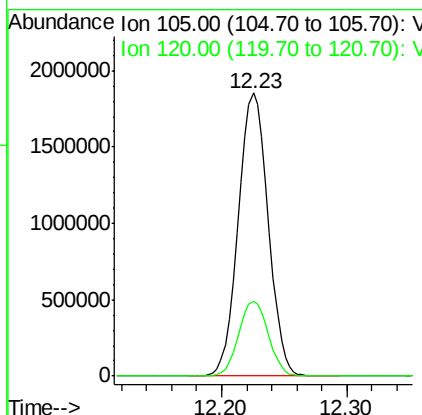
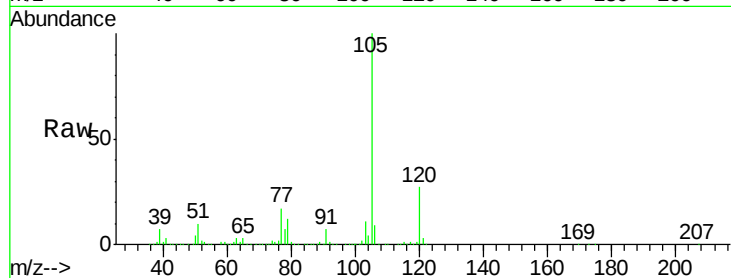
#73
Isopropylbenzene
Concen: 100.958 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 105 Resp: 3065065
Ion Ratio Lower Upper
105 100
120 26.3 12.9 38.6

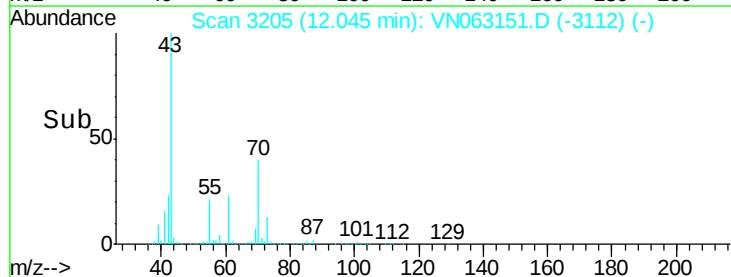
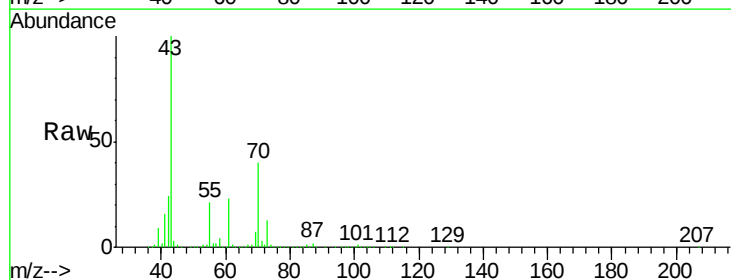
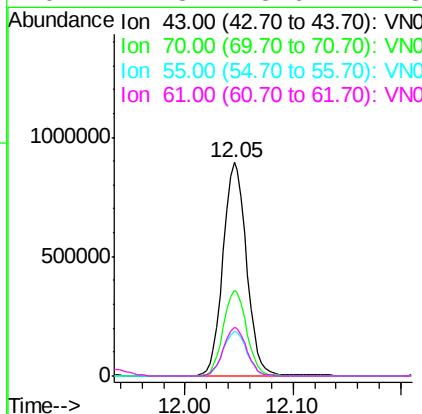
Manual Integrations
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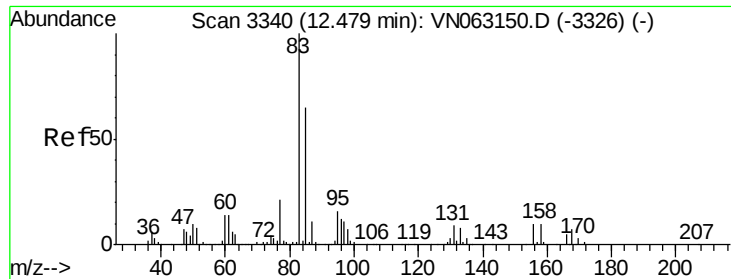
MMDadoda
9/1/2020 9:07:22 AM



#74
N-ethyl acetate
Concen: 138.031 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion: 43 Resp: 1361310
Ion Ratio Lower Upper
43 100
70 40.1 32.1 48.1
55 21.3 17.4 26.0
61 22.8 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 97.217 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 890656

Ion Ratio Lower Upper

83 100

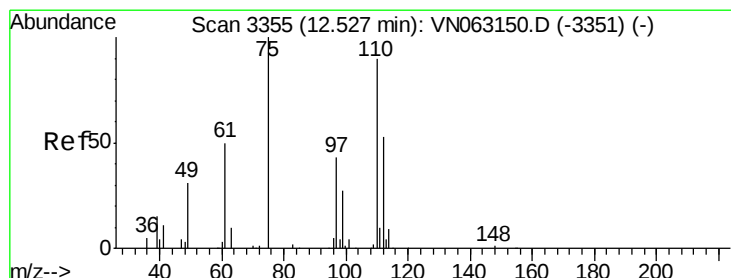
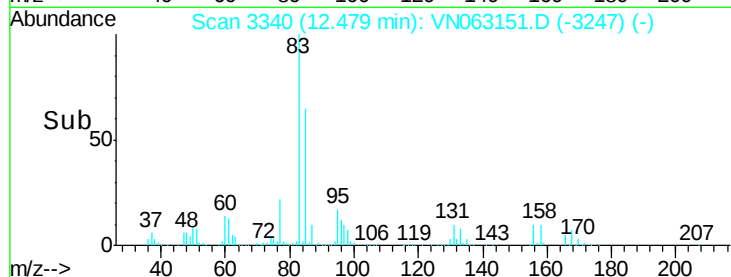
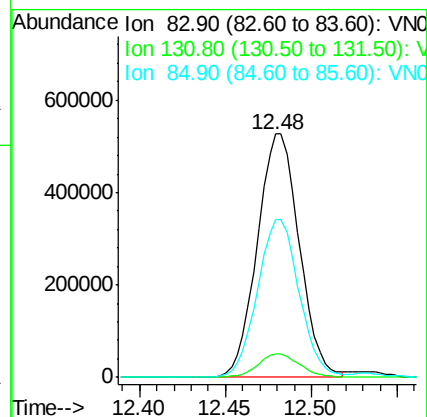
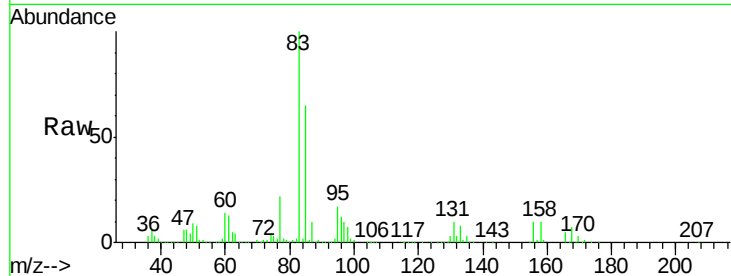
131 9.7 4.7 14.0

85 64.6 32.7 98.1

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#76

1,2,3-Trichloropropane

Concen: 100.764 ug/l m

RT: 12.53 min Scan# 3356

Delta R.T. 0.00 min

Lab File: VN063151.D

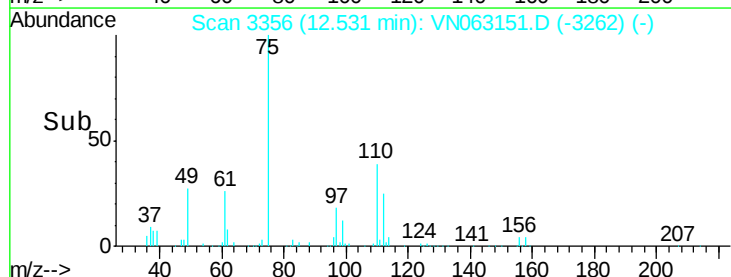
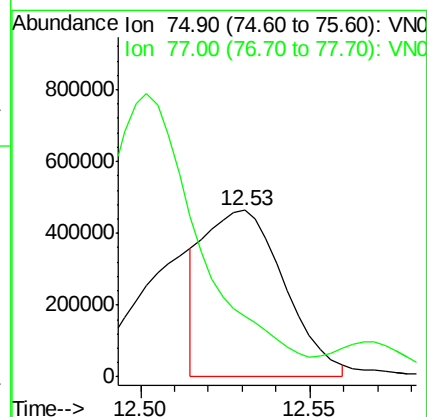
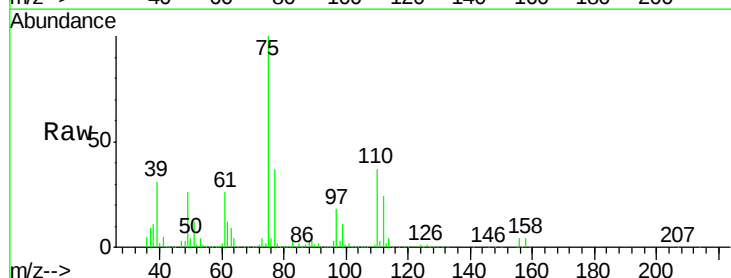
Acq: 31 Aug 2020 14:35

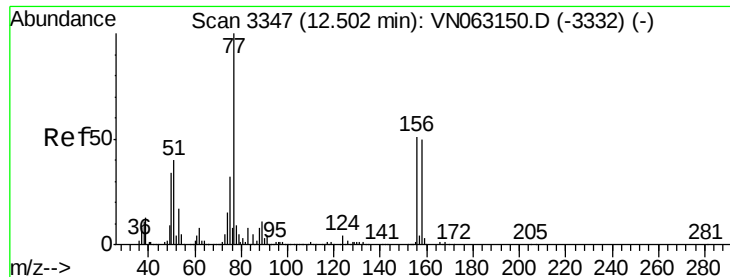
Tgt Ion: 75 Resp: 766535

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 85.158 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

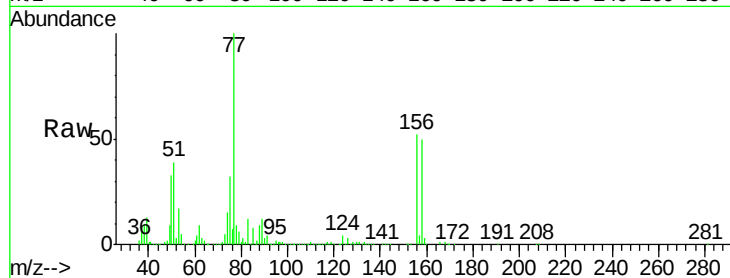
ClientSampled :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	228.3	116.1	348.3
158	96.9	48.8	146.4

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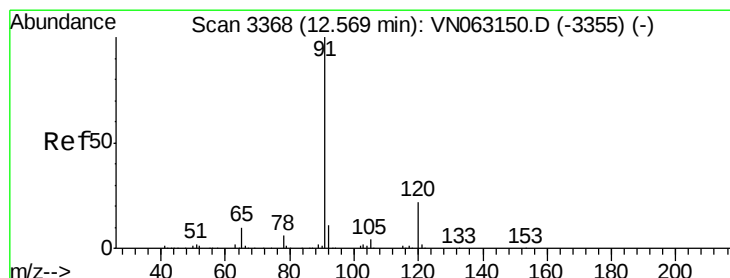
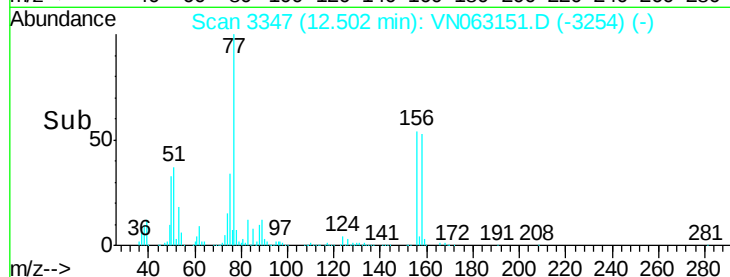
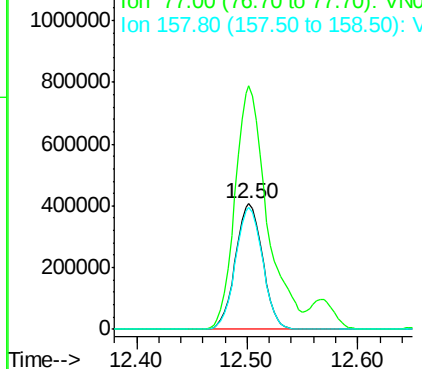
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 102.933 ug/l

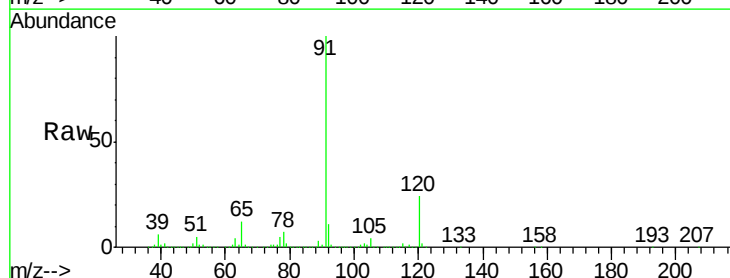
RT: 12.57 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VN063151.D

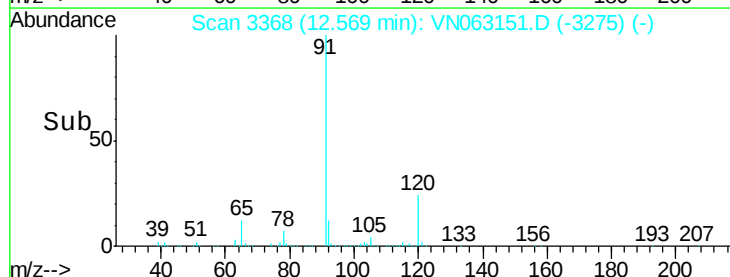
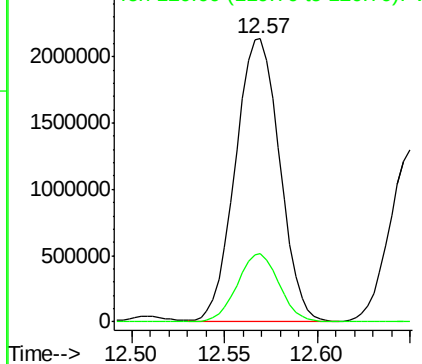
Acq: 31 Aug 2020 14:35

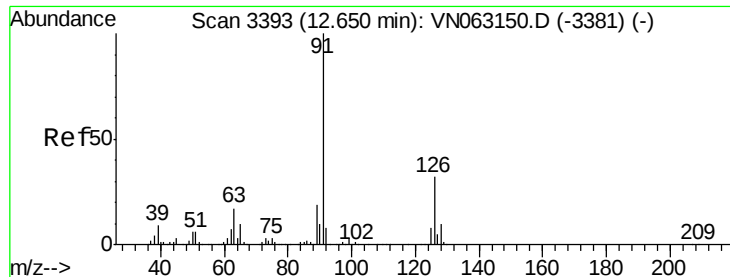
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	10.9	32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





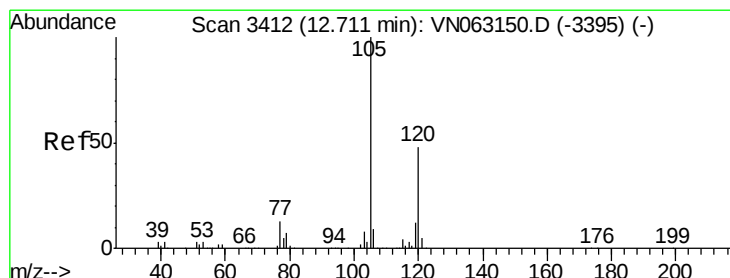
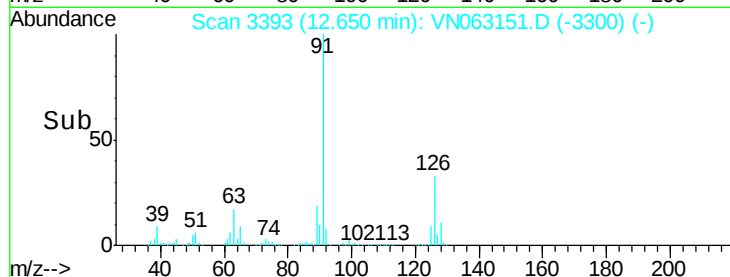
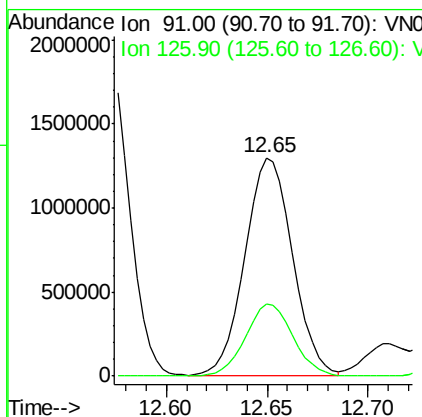
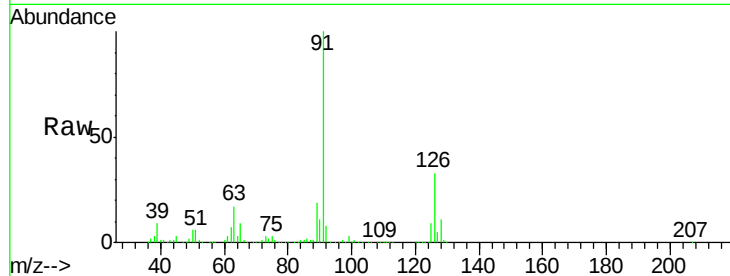
#79
2-Chlorotoluene
Concen: 101.673 ug/l
RT: 12.65 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2152240
Ion Ratio Lower Upper
91 100
126 32.8 16.1 48.3

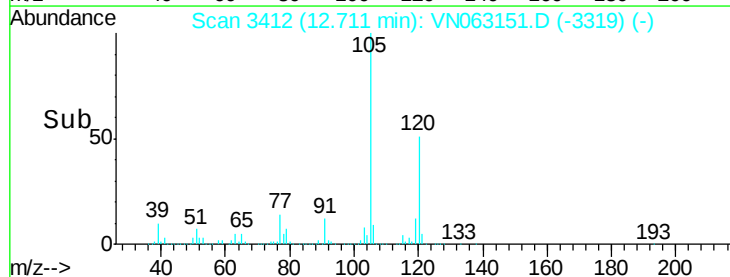
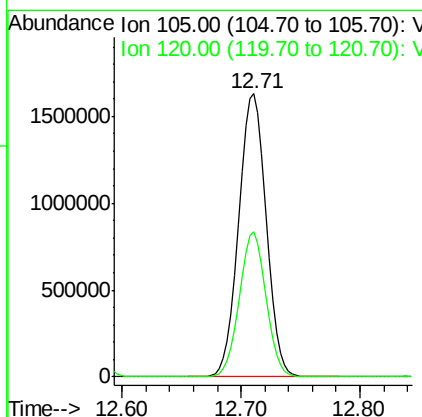
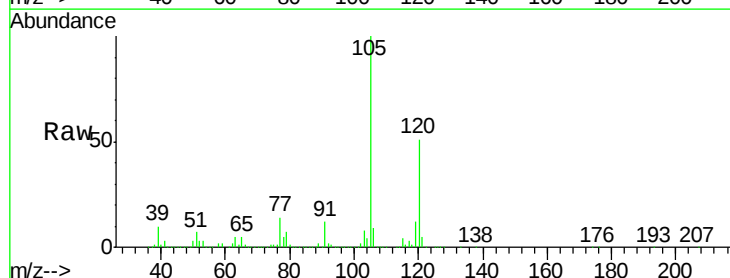
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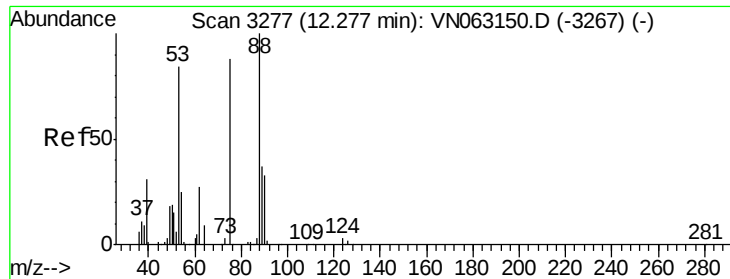
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#80
1,3,5-Trimethylbenzene
Concen: 107.087 ug/l
RT: 12.71 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion: 105 Resp: 2604575
Ion Ratio Lower Upper
105 100
120 49.7 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 132.176 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 336039

Ion Ratio Lower Upper

75 100

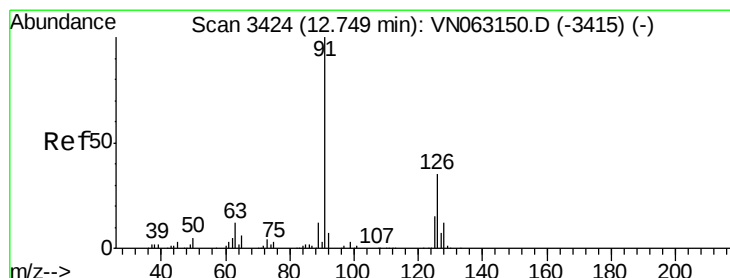
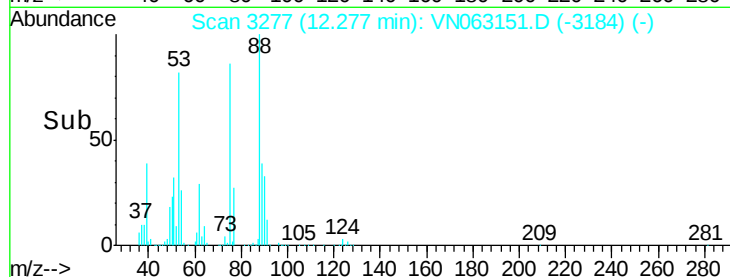
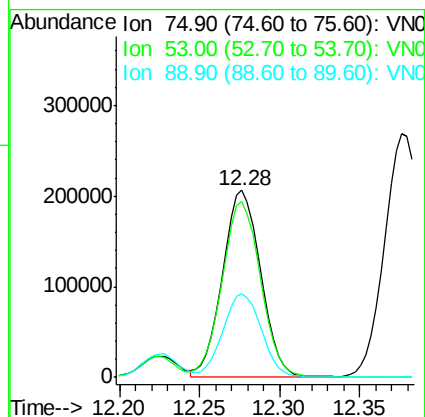
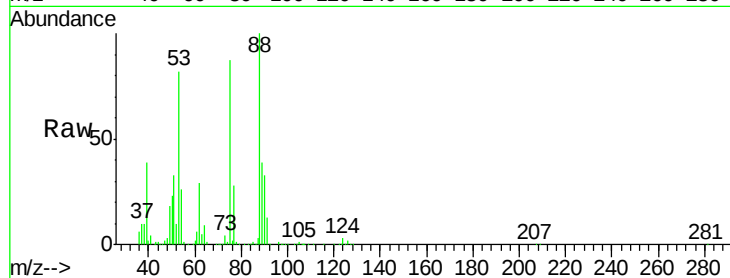
53 95.3 78.7 118.1

89 45.1 35.3 52.9

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#82

4-Chlorotoluene

Concen: 106.926 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063151.D

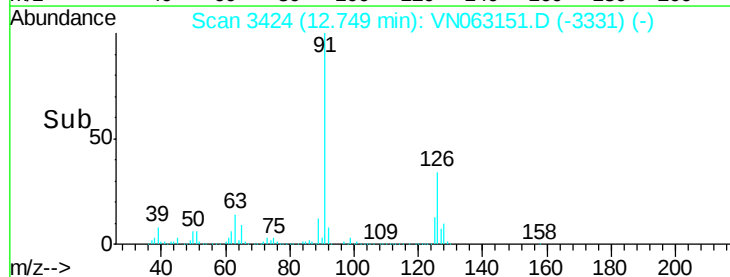
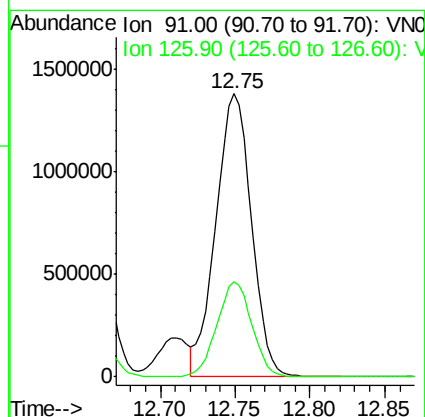
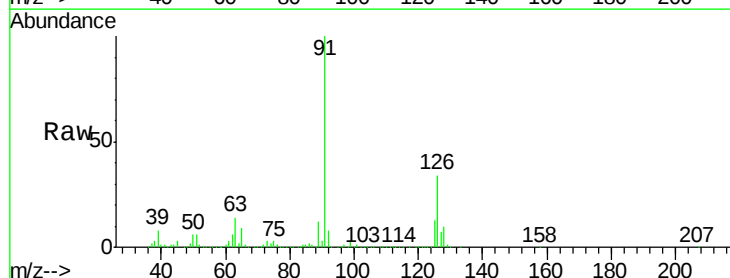
Acq: 31 Aug 2020 14:35

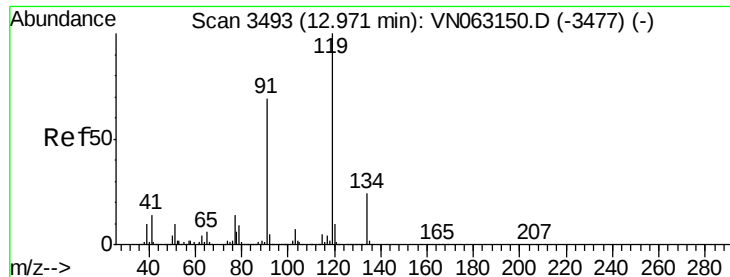
Tgt Ion: 91 Resp: 2279036

Ion Ratio Lower Upper

91 100

126 33.0 16.2 48.5





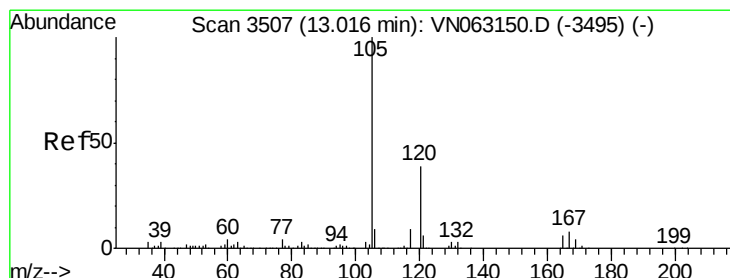
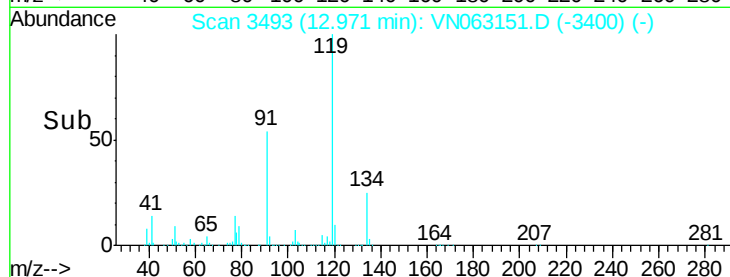
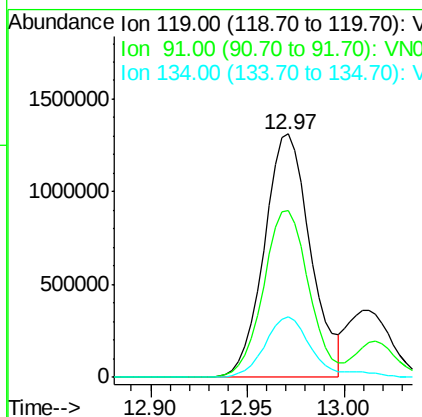
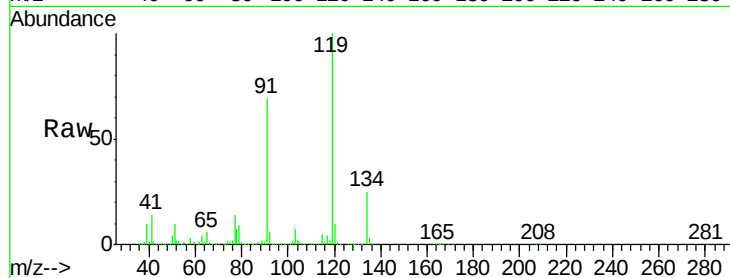
#83
tert-Butylbenzene
Concen: 103.072 ug/l
RT: 12.97 min Scan# 3493
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:119 Resp: 2192264
Ion Ratio Lower Upper
119 100
91 67.2 33.7 101.0
134 25.6 12.0 36.0

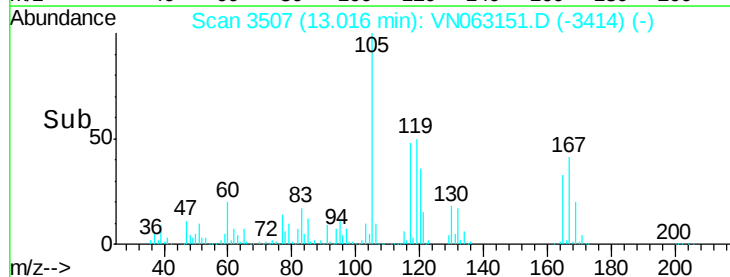
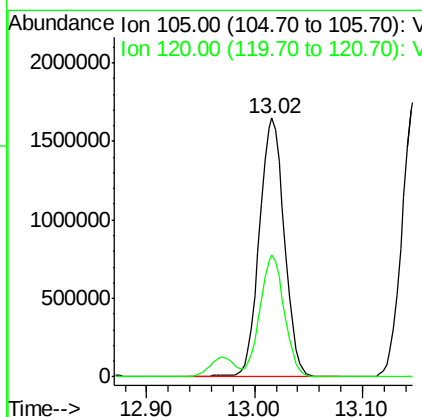
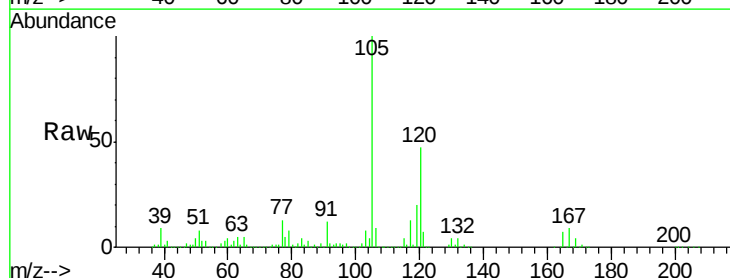
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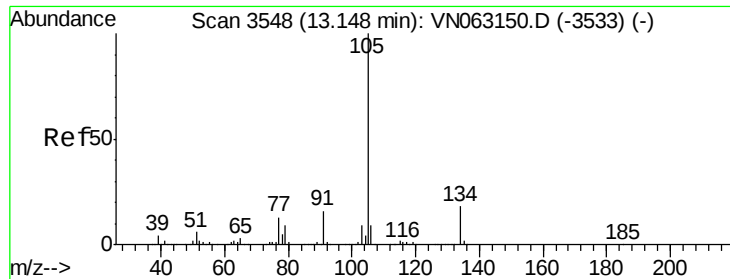
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#84
1,2,4-Trimethylbenzene
Concen: 107.674 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion:105 Resp: 2644919
Ion Ratio Lower Upper
105 100
120 45.7 22.6 67.7





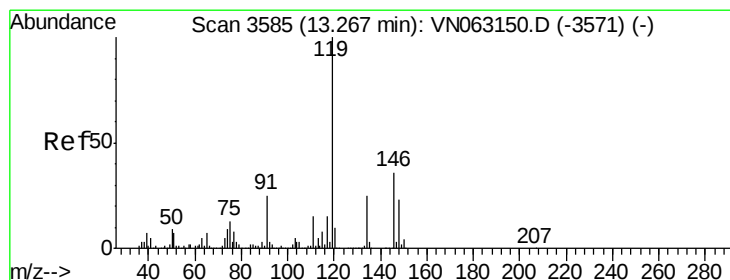
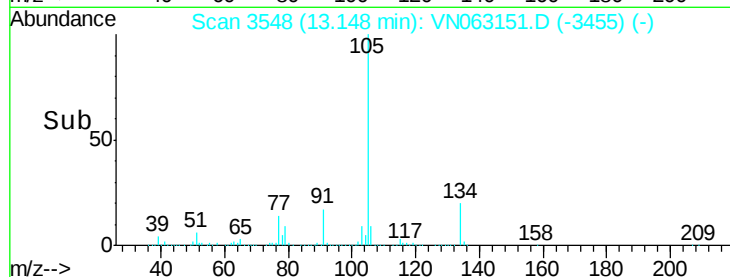
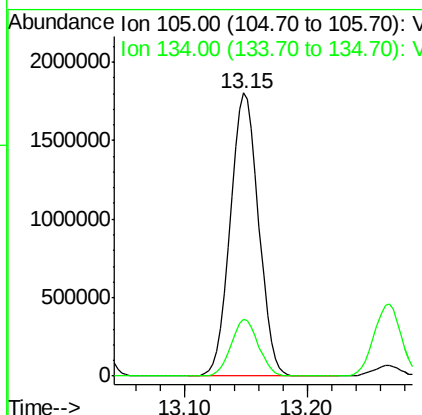
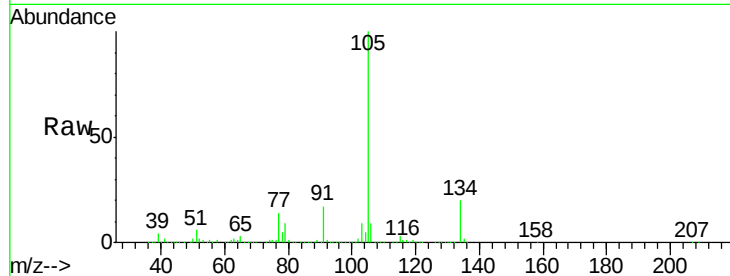
#85
 sec-Butylbenzene
 Concen: 103.181 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063151.D
 Acq: 31 Aug 2020 14:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 2906414
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.4 28.3

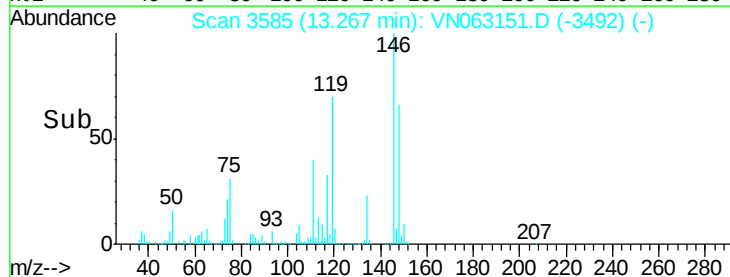
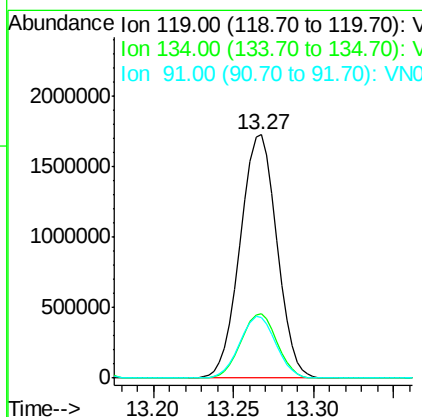
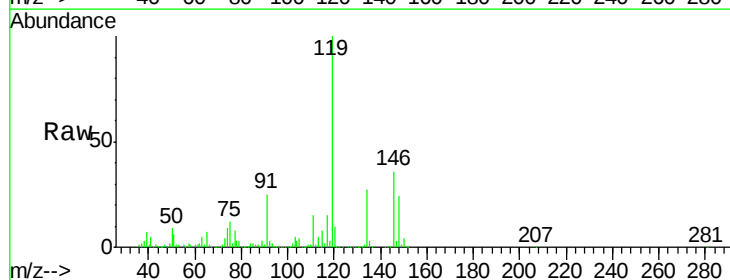
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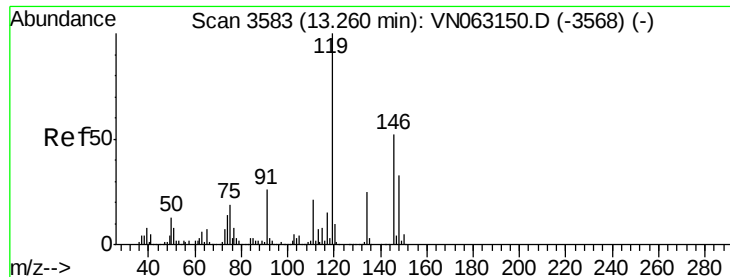
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#86
 p-Isopropyltoluene
 Concen: 111.492 ug/l
 RT: 13.27 min Scan# 3585
 Delta R.T. 0.00 min
 Lab File: VN063151.D
 Acq: 31 Aug 2020 14:35

Tgt Ion:119 Resp: 2693427
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.4 37.4
 91 25.1 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 93.213 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN063151.D

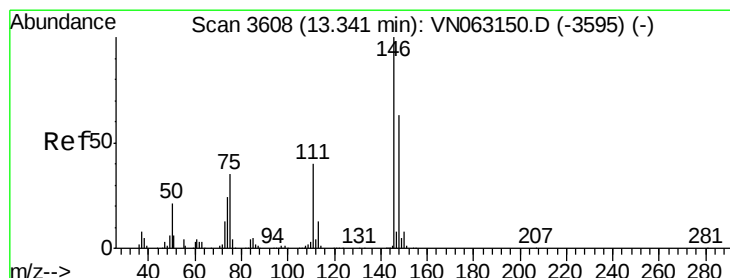
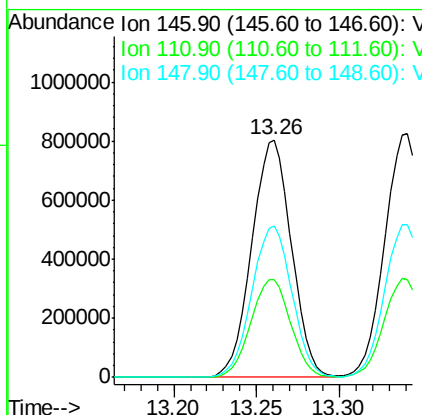
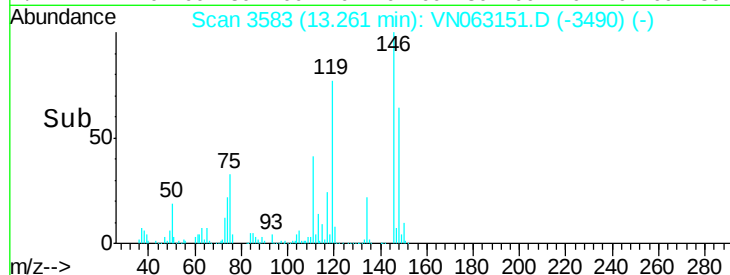
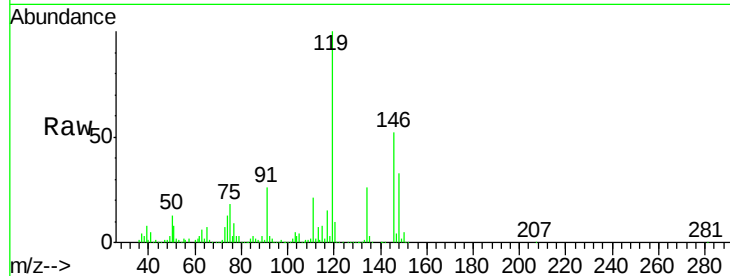
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.3	63.7
148	64.4	31.9	95.9

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#88

1,4-Dichlorobenzene

Concen: 93.981 ug/l

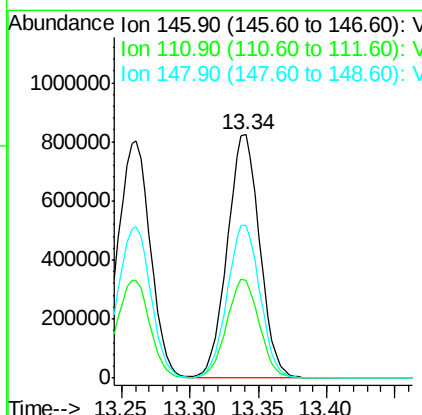
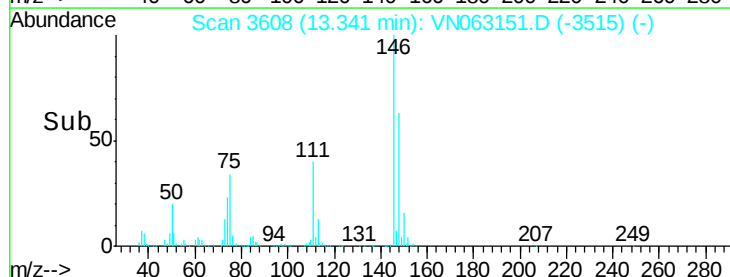
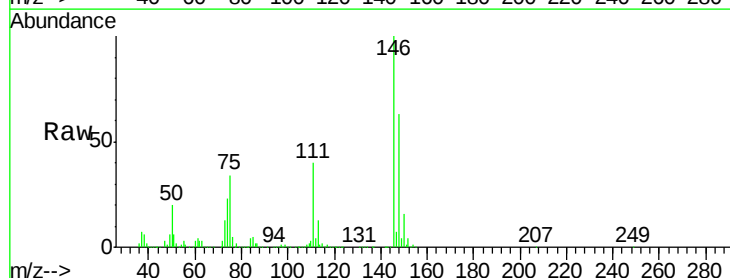
RT: 13.34 min Scan# 3608

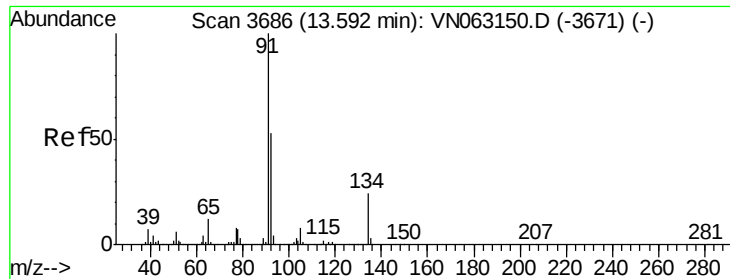
Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.5	61.5
148	63.7	31.9	95.7





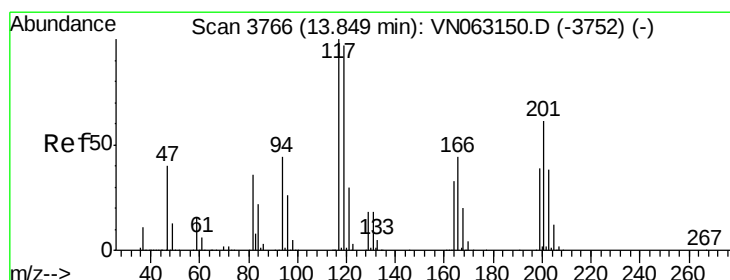
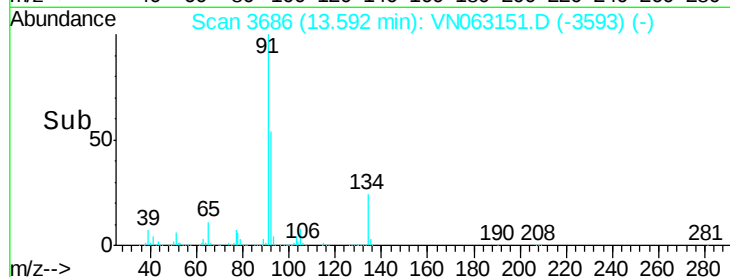
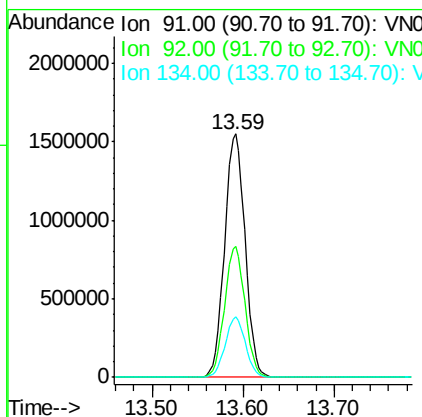
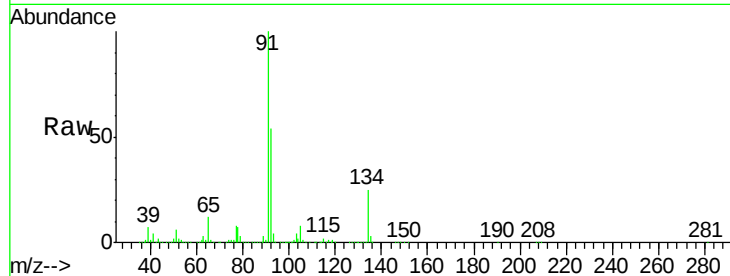
#89
n-Butylbenzene
Concen: 119.578 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2430895
Ion Ratio Lower Upper
91 100
92 53.4 26.3 78.8
134 24.3 12.0 36.0

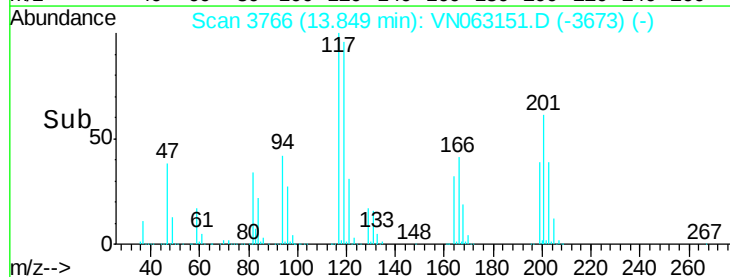
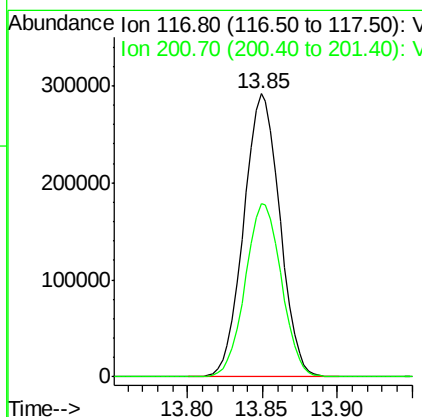
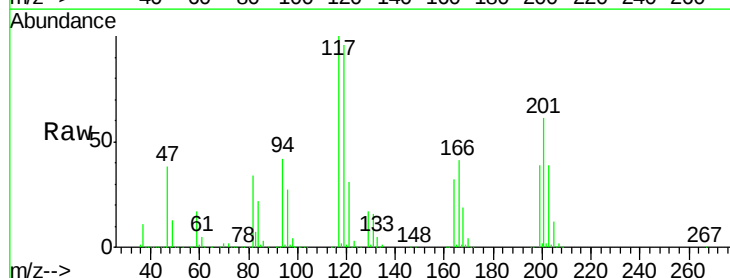
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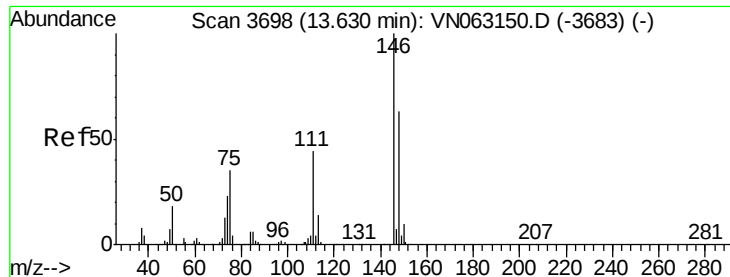
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#90
Hexachloroethane
Concen: 91.455 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion: 117 Resp: 490599
Ion Ratio Lower Upper
117 100
201 61.4 30.6 92.0





#91

1,2-Dichlorobenzene

Concen: 92.411 ug/l

RT: 13.63 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:146 Resp: 1301369

Ion Ratio Lower Upper

146 100

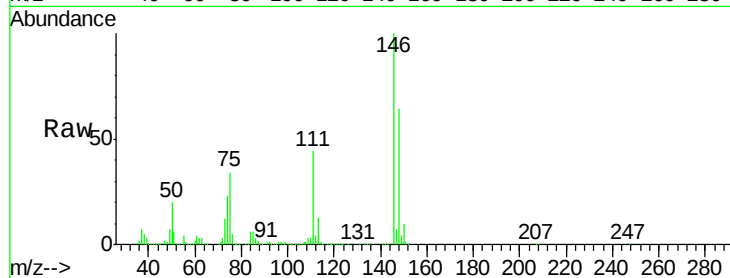
111 44.0 22.0 66.0

148 63.7 31.6 95.0

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MMDadoda

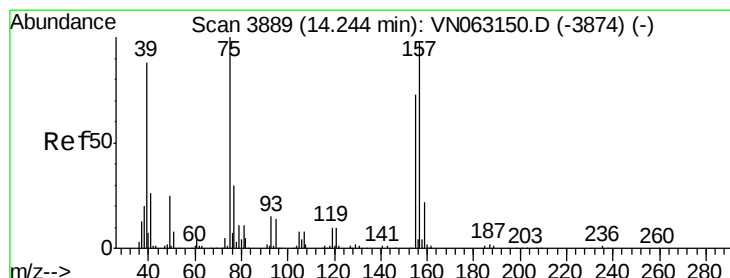
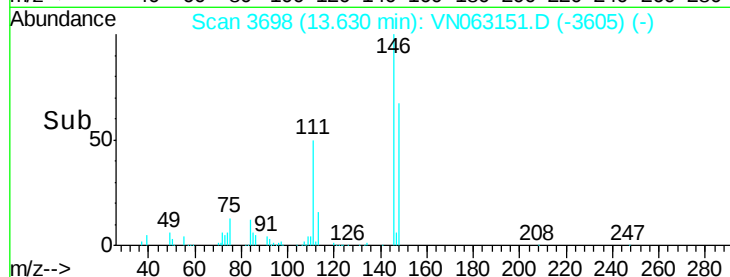
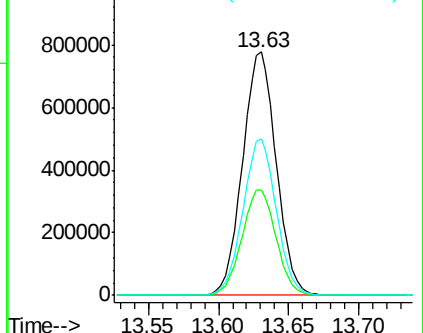
9/1/2020 9:07:22 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 124.349 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

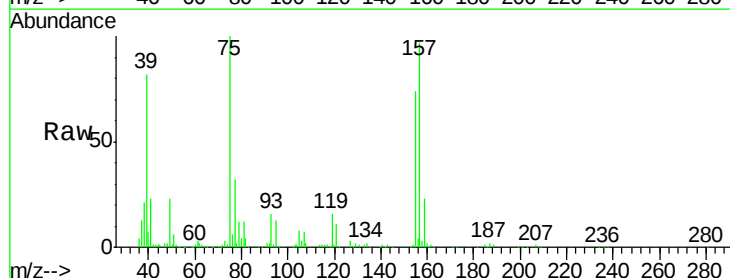
Tgt Ion: 75 Resp: 187810

Ion Ratio Lower Upper

75 100

155 74.2 36.1 108.5

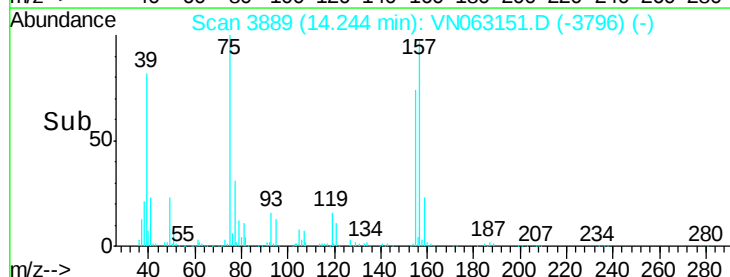
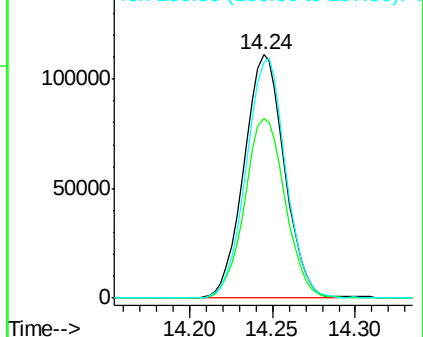
157 96.6 48.4 145.0

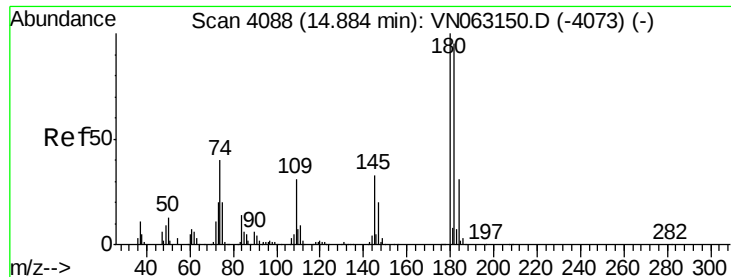


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





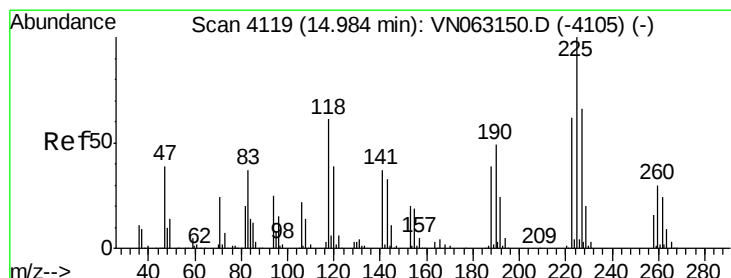
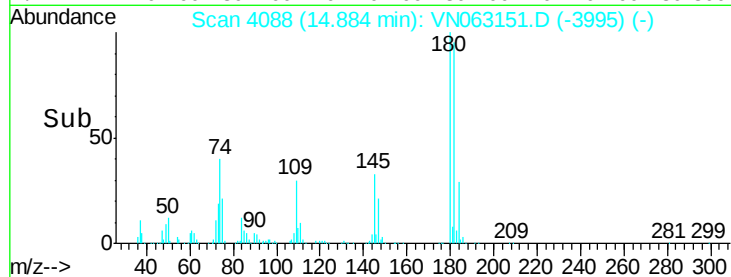
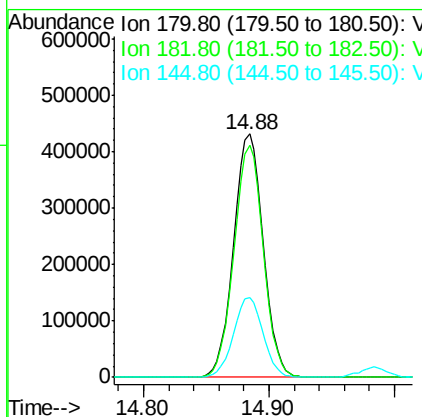
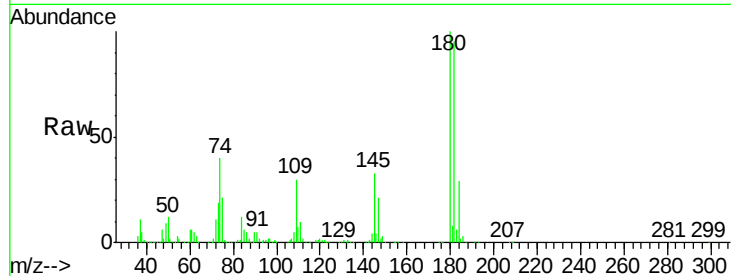
#93
1,2,4-Trichlorobenzene
Concen: 108.551 ug/l
RT: 14.88 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	708212		
182	94.5		47.5	142.5
145	32.7		16.6	49.8

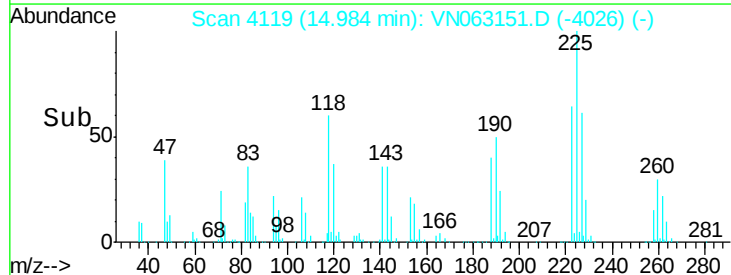
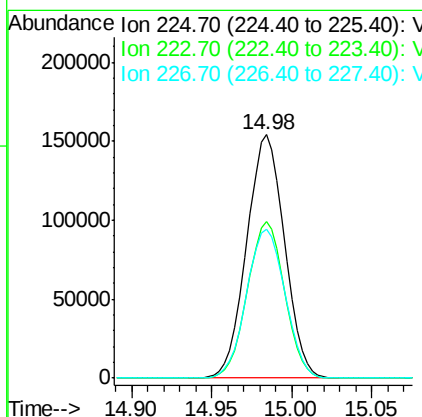
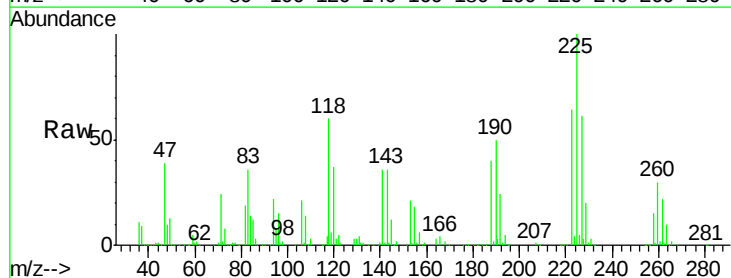
Manual Integrations
APPROVED

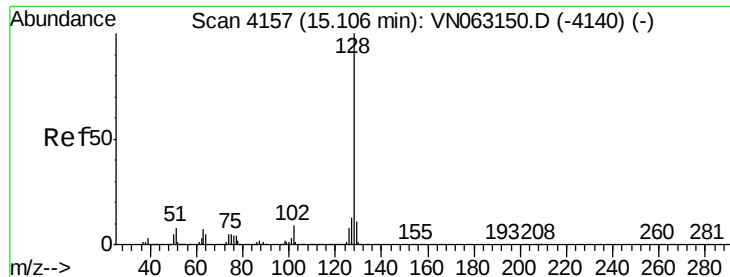
MMDadoda
9/1/2020 9:07:22 AM



#94
Hexachlorobutadiene
Concen: 56.631 ug/l
RT: 14.98 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VN063151.D
Acq: 31 Aug 2020 14:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	248689		
223	63.2		30.9	92.7
227	62.5		32.9	98.7





#95

Naphthalene

Concen: 153.303 ug/l

RT: 15.11 min Scan# 4157

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 2436875

Ion Ratio Lower Upper

128 100

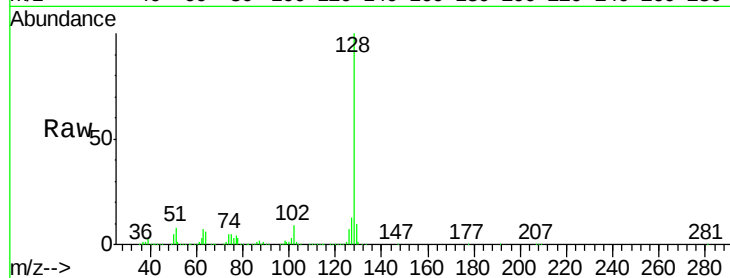
127 13.2 10.5 15.7

129 10.8 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

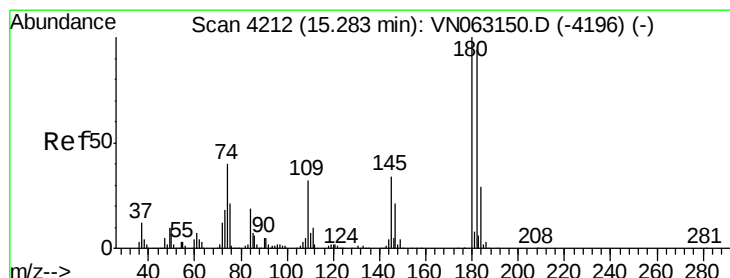
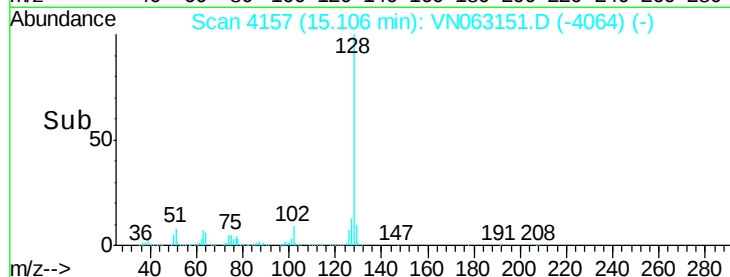
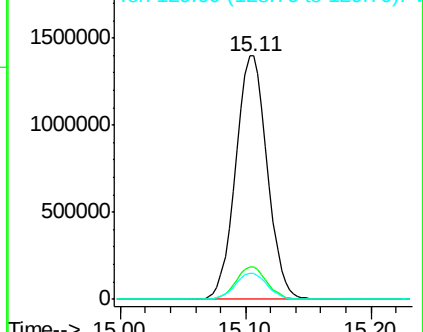
9/1/2020 9:07:22 AM



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: 100.070 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063151.D

Acq: 31 Aug 2020 14:35

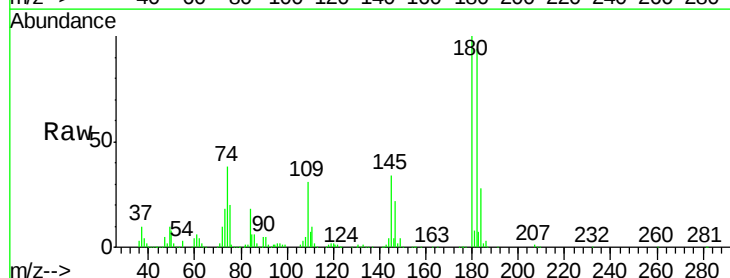
Tgt Ion:180 Resp: 675352

Ion Ratio Lower Upper

180 100

182 93.1 47.5 142.5

145 34.5 17.3 52.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

