

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064430.D
 Acq On : 4 Nov 2020 11:48
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 11/5/2020 2:19:21 PM

Quant Time: Nov 04 12:10:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 11:31:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	356763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	612642	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	583651	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	280476	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	923801	158.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	316.52%	
35) Dibromofluoromethane	7.55	113	650994	159.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	318.46%	
50) Toluene-d8	10.06	98	2560897	166.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	333.80%	
62) 4-Bromofluorobenzene	12.37	95	1001876	168.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	337.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	666974	158.080	ug/l	98
3) Chloromethane	2.04	50	789133	168.558	ug/l	98
4) Vinyl Chloride	2.16	62	850630	186.405	ug/l	97
5) Bromomethane	2.51	94	534265	178.633	ug/l	98
6) Chloroethane	2.66	64	520410	186.933	ug/l	100
7) Trichlorofluoromethane	2.98	101	1158136	155.041	ug/l	98
8) Diethyl Ether	3.37	74	424515	176.483	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	564625	152.387	ug/l	99
10) Methyl Iodide	3.91	142	748559	154.819	ug/l	98
11) Tert butyl alcohol	4.75	59	543639	670.291	ug/l	99
12) 1,1-Dichloroethene	3.69	96	553710	158.247	ug/l	98
13) Acrolein	3.57	56	355438	1446.878	ug/l	98
14) Allyl chloride	4.27	41	1137385	159.554	ug/l	98
15) Acrylonitrile	4.93	53	1592022	869.448	ug/l	99
16) Acetone	3.78	43	1635525	752.764	ug/l	100
17) Carbon Disulfide	4.00	76	1684617	161.395	ug/l	99
18) Methyl Acetate	4.28	43	685361	156.976	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	2112750	158.507	ug/l	99
20) Methylene Chloride	4.50	84	660844	158.187	ug/l	99
21) trans-1,2-Dichloroethene	4.98	96	644733	163.623	ug/l	98
22) Diisopropyl ether	5.91	45	2484827	175.035	ug/l	94
23) Vinyl Acetate	5.85	43	10158164	855.312	ug/l	96
24) 1,1-Dichloroethane	5.79	63	1281880	162.808	ug/l	99
25) 2-Butanone	6.79	43	2408673	817.445	ug/l	99
26) 2,2-Dichloropropane	6.78	77	1164081	153.280	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	754374	167.653	ug/l	99
28) Bromochloromethane	7.15	49	665321	181.847	ug/l	100
29) Tetrahydrofuran	7.17	42	1515109	803.502	ug/l	99
30) Chloroform	7.33	83	1331649	158.431	ug/l	99
31) Cyclohexane	7.61	56	1081972	156.522	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	1190921	150.062	ug/l	98
36) 1,1-Dichloropropene	7.75	75	1002735	158.735	ug/l	98
37) Ethyl Acetate	6.88	43	1000934	158.834	ug/l	99
38) Carbon Tetrachloride	7.73	117	1054366	147.192	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	928033	150.633	ug/l	100
40) Benzene	8.00	78	2896640	163.691	ug/l	99
41) Methacrylonitrile	7.13	41	510740	166.401	ug/l #	89
42) 1,2-Dichloroethane	8.08	62	1156959	153.557	ug/l	99
43) Isopropyl Acetate	8.13	43	1739069	161.748	ug/l	99
44) Trichloroethene	8.80	130	717718	157.110	ug/l	99
45) 1,2-Dichloropropane	9.08	63	772005	162.649	ug/l	96
46) Dibromomethane	9.17	93	514123	157.790	ug/l	99
47) Bromodichloromethane	9.37	83	1107033	153.010	ug/l	100
48) Methyl methacrylate	9.17	41	879561	158.372	ug/l	98
49) 1,4-Dioxane	9.17	88	234531	2930.912	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	4869610	774.841	ug/l	95
52) Toluene	10.12	92	1845276	165.533	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	1276284	165.896	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	1329858	168.052	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	701669	160.267	ug/l	98
56) Ethyl methacrylate	10.40	69	1154670	174.964	ug/l	98
57) 1,3-Dichloropropane	10.68	76	1252715	167.784	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	2913035	848.397	ug/l	98
59) 2-Hexanone	10.72	43	3765445	815.213	ug/l	97
60) Dibromochloromethane	10.87	129	827238	162.284	ug/l	99
61) 1,2-Dibromoethane	10.98	107	741970	167.358	ug/l	100
64) Tetrachloroethene	10.60	164	645333	134.723	ug/l	98
65) Chlorobenzene	11.41	112	1933720	160.179	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	735248	152.228	ug/l	99
67) Ethyl Benzene	11.48	91	3556361	158.580	ug/l	96
68) m/p-Xylenes	11.59	106	2670494	321.820	ug/l	93
69) o-Xylene	11.92	106	1279307	159.850	ug/l	99
70) Styrene	11.94	104	2239331	170.717	ug/l	99
71) Bromoform	12.10	173	546743	147.229	ug/l #	99
73) Isopropylbenzene	12.22	105	3296570	153.574	ug/l	99
74) N-amyl acetate	12.04	43	1654904	175.611	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	997227	159.100	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	951059m	141.459	ug/l	
77) Bromobenzene	12.50	156	790455	151.717	ug/l	98
78) n-propylbenzene	12.57	91	3816052	157.063	ug/l	99
79) 2-Chlorotoluene	12.65	91	2408692	155.666	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	2784217	154.017	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	394767	166.989	ug/l	97
82) 4-Chlorotoluene	12.75	91	2565844	161.755	ug/l	99
83) tert-Butylbenzene	12.97	119	2209346	150.346	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	2847525	157.425	ug/l	99
85) sec-Butylbenzene	13.14	105	2814432	147.496	ug/l	99
86) p-Isopropyltoluene	13.26	119	2605799	152.024	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	1437839	157.021	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	1458083	156.325	ug/l	98
89) n-Butylbenzene	13.59	91	2312747	152.978	ug/l	98
90) Hexachloroethane	13.85	117	477201	149.140	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	1386337	152.217	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	224613	149.566	ug/l	96

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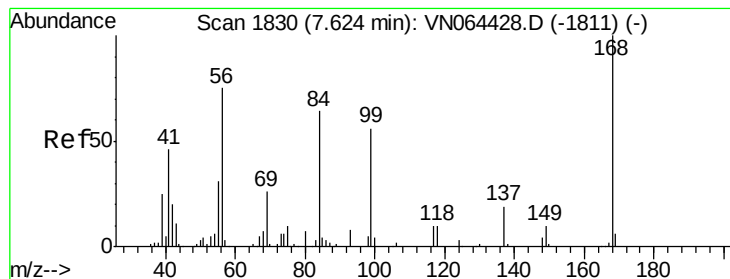
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	708093	161.745	ug/l	99
94) Hexachlorobutadiene	14.98	225	270903	102.492	ug/l	99
95) Naphthalene	15.10	128	2464417	179.694	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	688183	162.767	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 356763

Ion Ratio Lower Upper

168 100

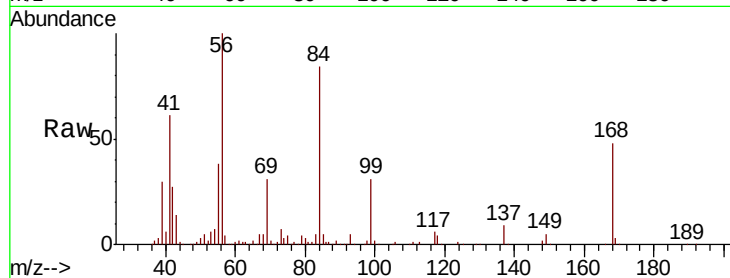
99 65.4 53.4 80.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

300000

250000

200000

150000

100000

50000

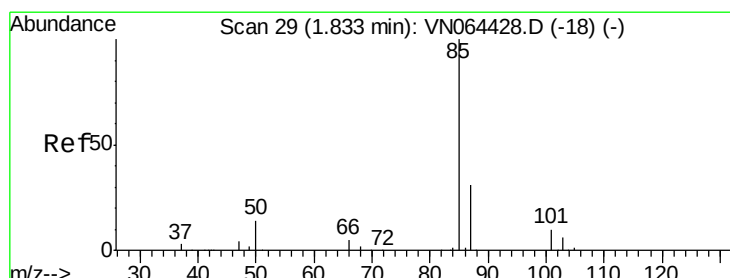
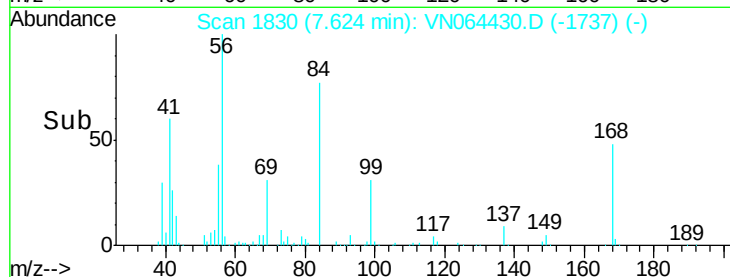
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 158.080 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064430.D

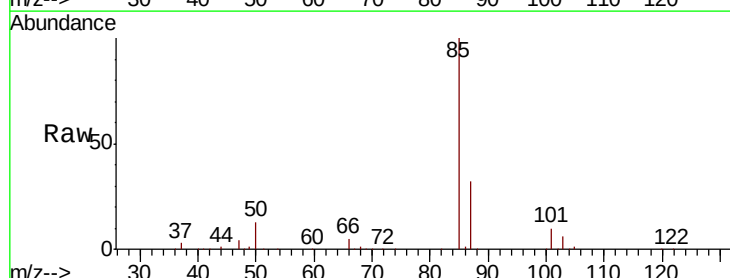
Acq: 4 Nov 2020 11:48

Tgt Ion: 85 Resp: 666974

Ion Ratio Lower Upper

85 100

87 32.3 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

500000

400000

300000

200000

100000

0

1.75

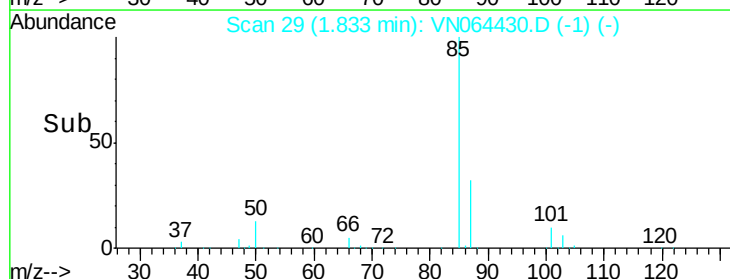
1.80

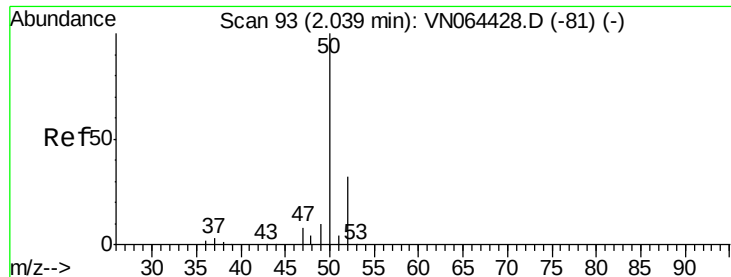
1.85

1.90

1.95

Time-->





#3

Chloromethane

Concen: 168.558 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 789133

Ion Ratio Lower Upper

50 100

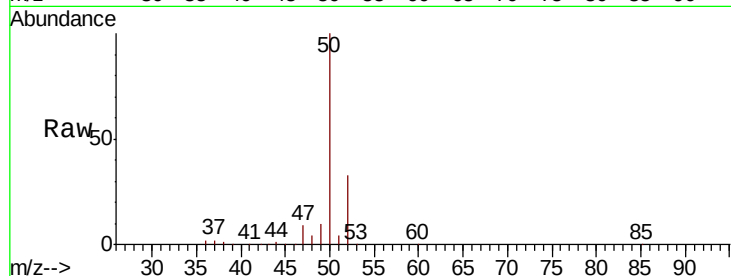
52 32.7 25.3 37.9

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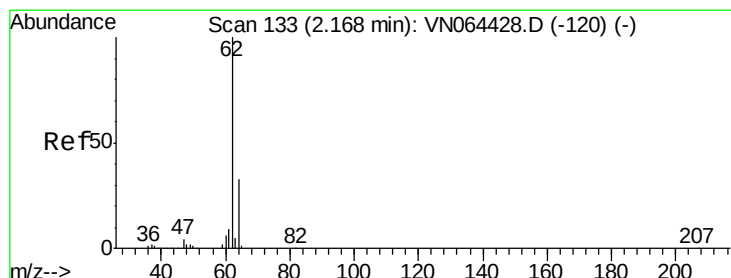
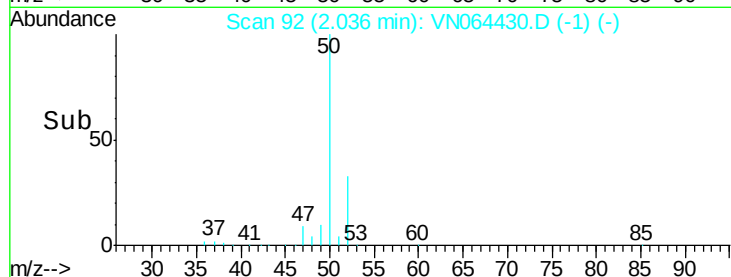
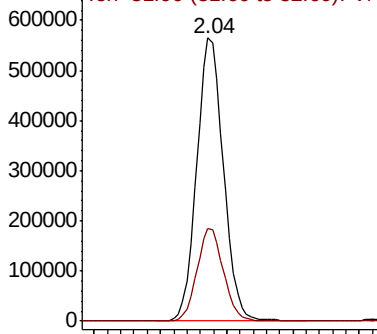
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 186.405 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064430.D

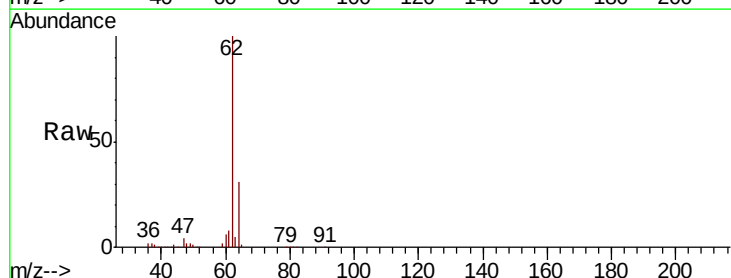
Acq: 4 Nov 2020 11:48

Tgt Ion: 62 Resp: 850630

Ion Ratio Lower Upper

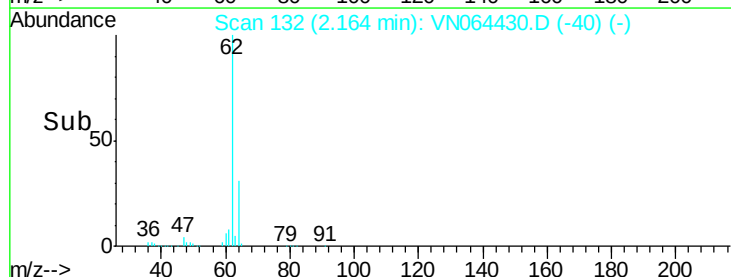
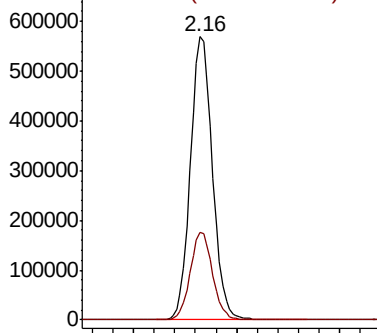
62 100

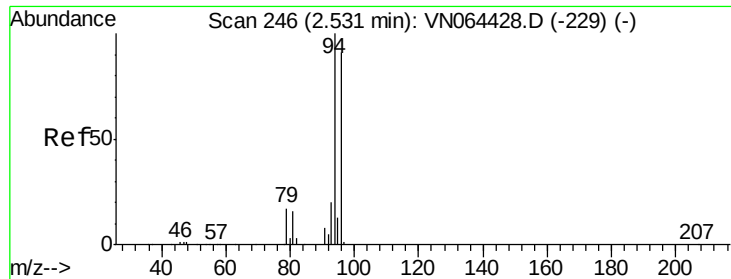
64 31.1 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 178.633 ug/l

RT: 2.51 min Scan# 239

Delta R.T. -0.02 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 534265

Ion Ratio Lower Upper

94 100

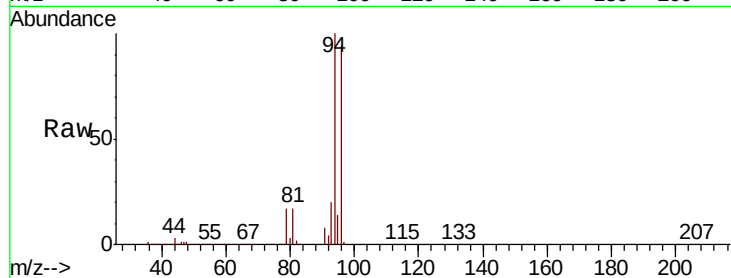
96 93.7 73.1 109.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN064430.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN064430.D (-153) (-)

2.51

250000

200000

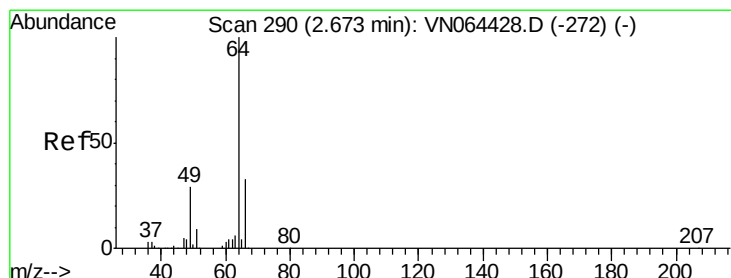
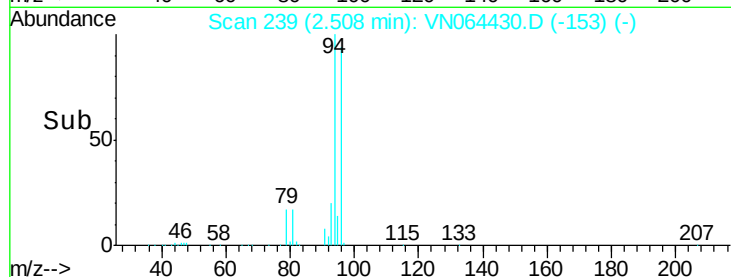
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 186.933 ug/l

RT: 2.66 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN064430.D

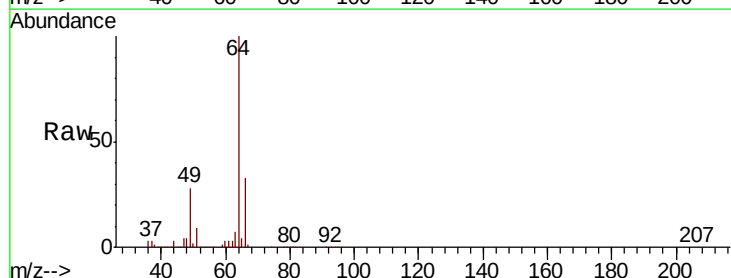
Acq: 4 Nov 2020 11:48

Tgt Ion: 64 Resp: 520410

Ion Ratio Lower Upper

64 100

66 32.4 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN064430.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN064430.D (-197) (-)

2.66

250000

200000

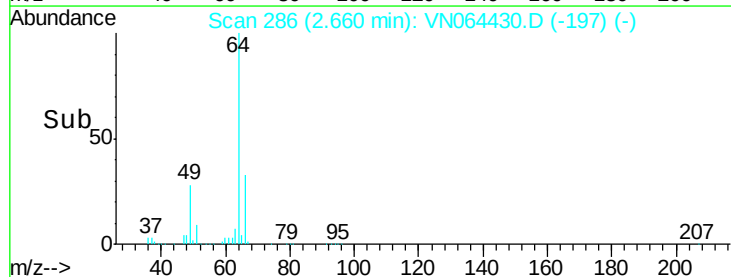
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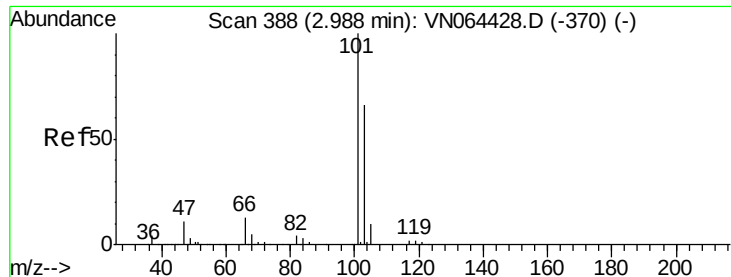
100000

50000

0

Time-->





#7

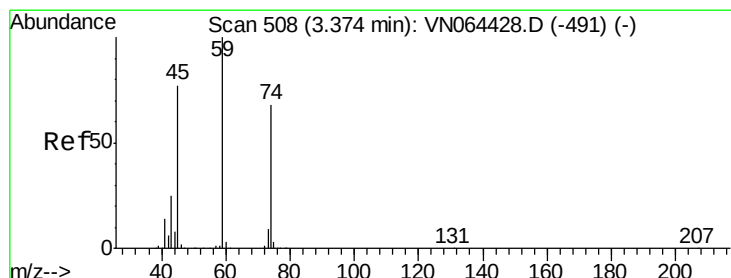
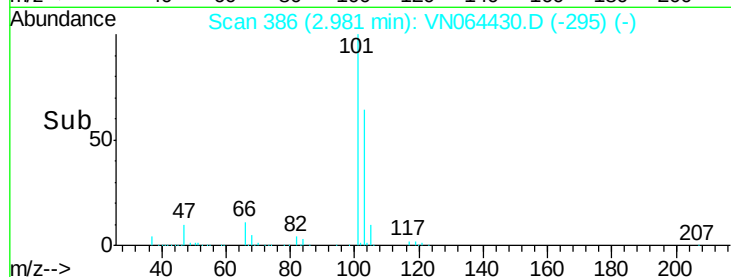
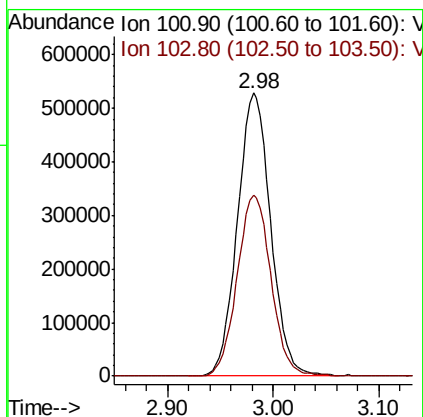
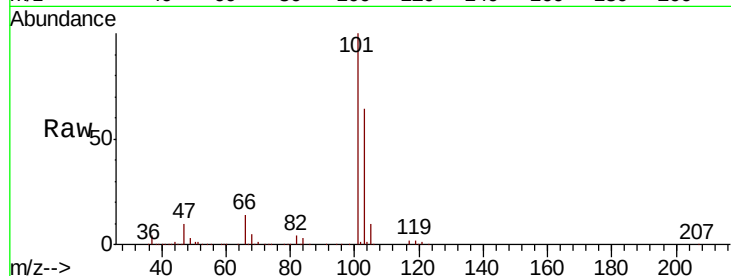
Trichlorofluoromethane
Concen: 155.041 ug/l
RT: 2.98 min Scan# 386
Delta R.T. -0.01 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

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VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.4	78.6

Manual Integrations
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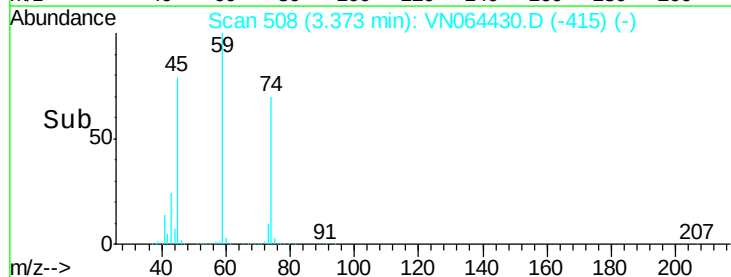
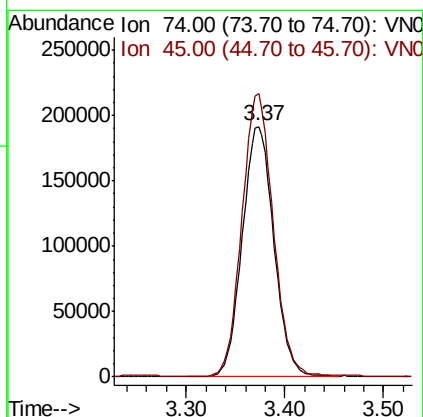
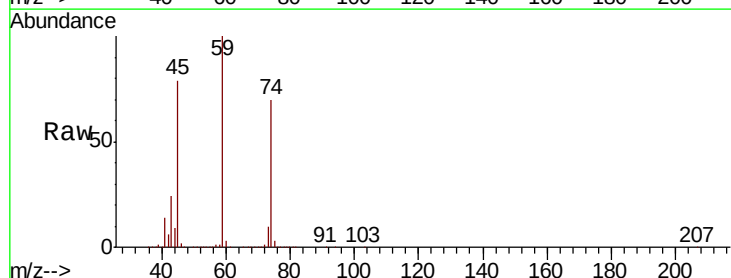
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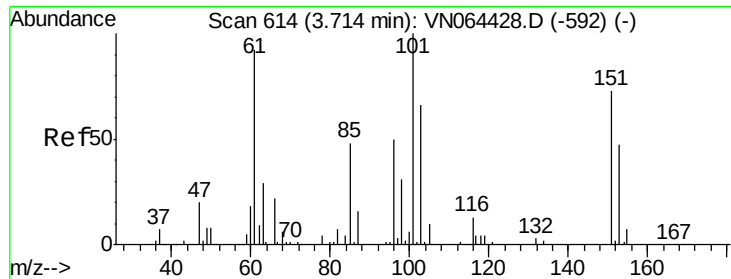


#8

Diethyl Ether
Concen: 176.483 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.9	55.9	167.6





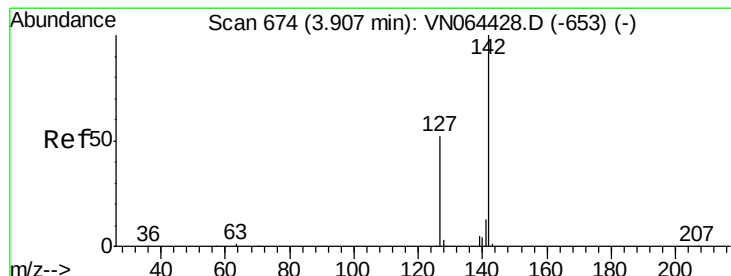
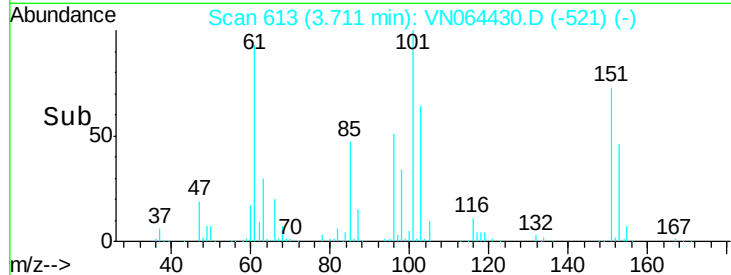
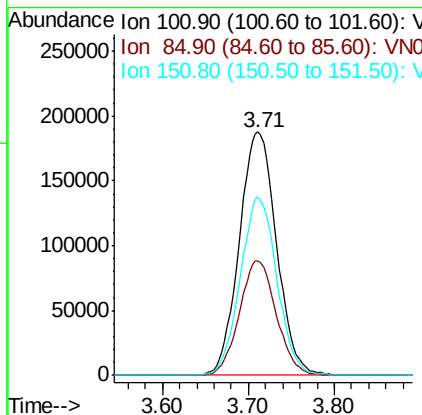
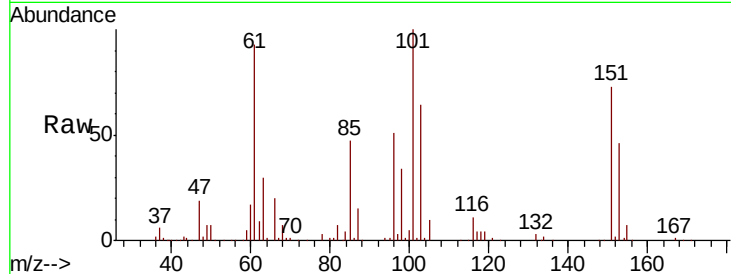
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 152.387 ug/l
 RT: 3.71 min Scan# 613
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	564625		
85	46.8	38.6	57.8	
151	72.3	57.5	86.3	

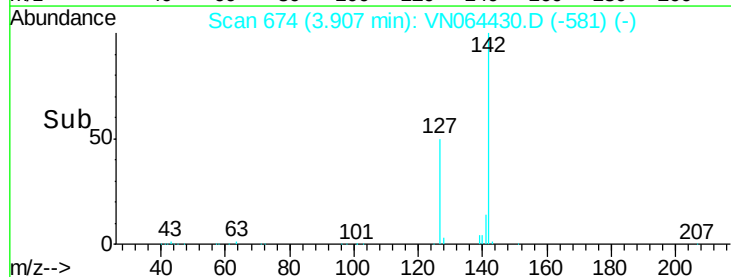
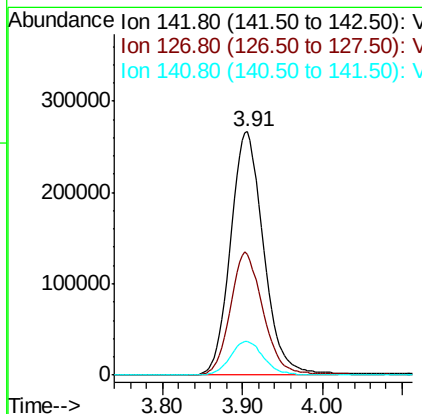
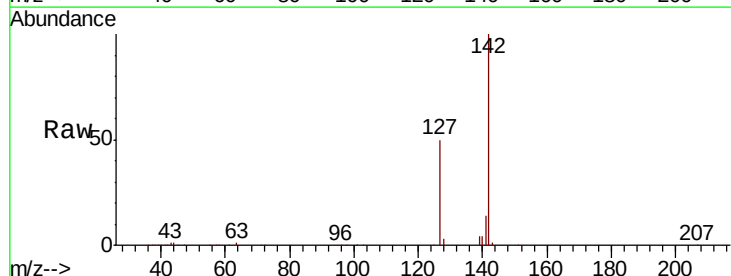
Manual Integrations
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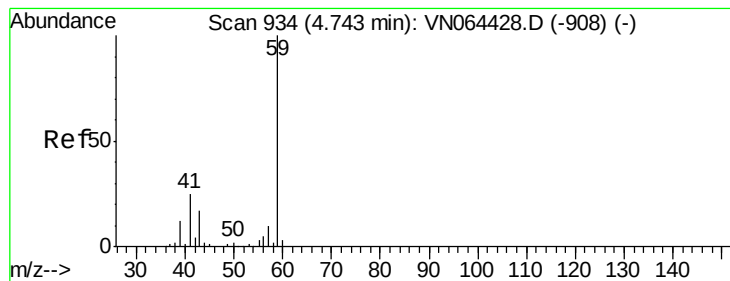
MMDadoda
 11/5/2020 2:19:21 PM



#10
 Methyl Iodide
 Concen: 154.819 ug/l
 RT: 3.91 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	748559		
127	50.3	41.8	62.8	
141	14.1	11.4	17.2	





#11

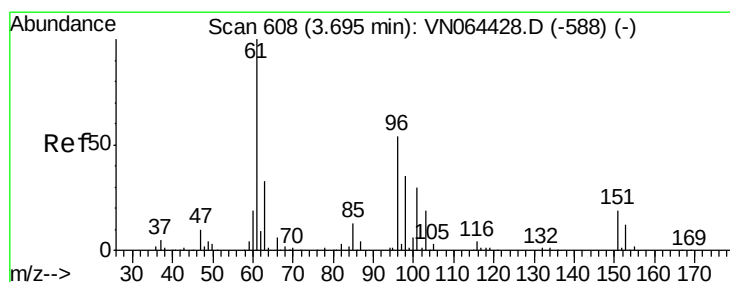
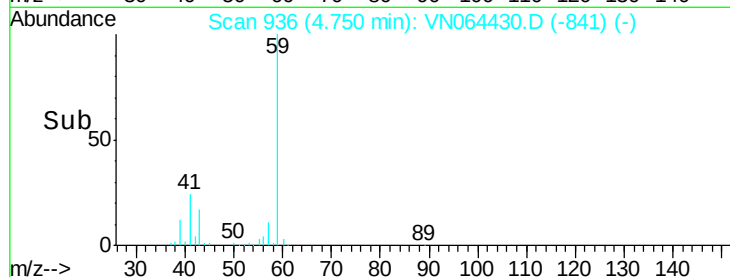
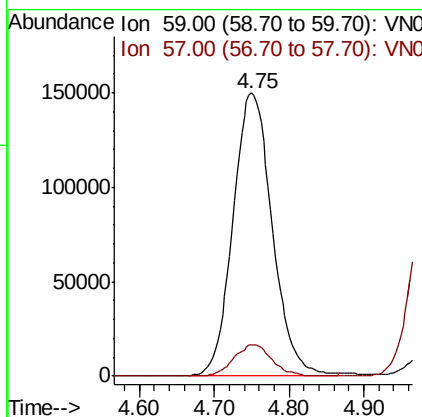
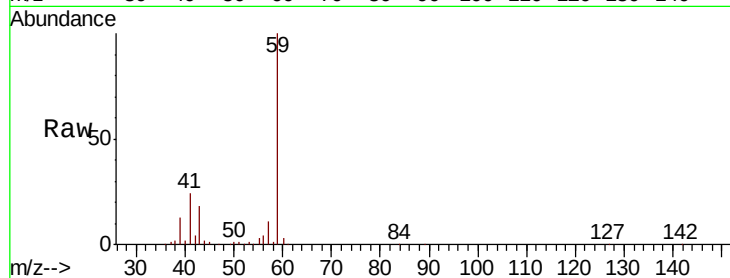
Tert butyl alcohol
 Concen: 670.291 ug/l
 RT: 4.75 min Scan# 936
 Delta R.T. 0.01 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.4

Manual Integrations
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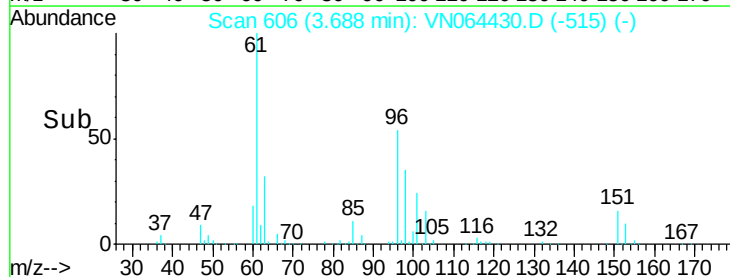
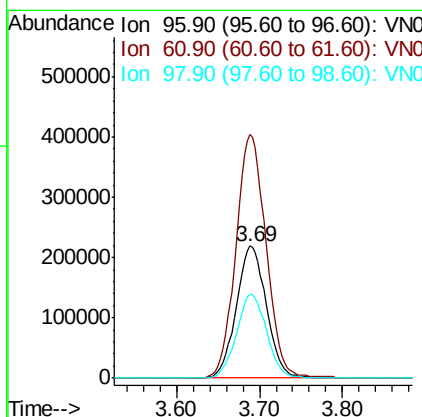
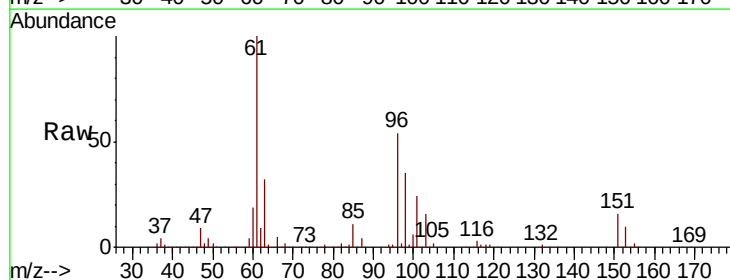
MMDadoda
 11/5/2020 2:19:21 PM

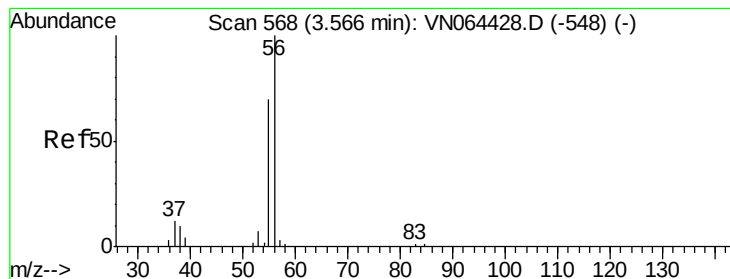


#12

1,1-Dichloroethene
 Concen: 158.247 ug/l
 RT: 3.69 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	184.6	149.5	224.3
98	63.8	52.4	78.6





#13

Acrolein

Concen: 1446.878 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 355438

Ion Ratio Lower Upper

56 100

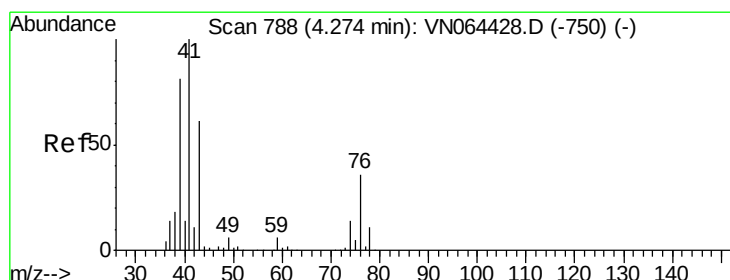
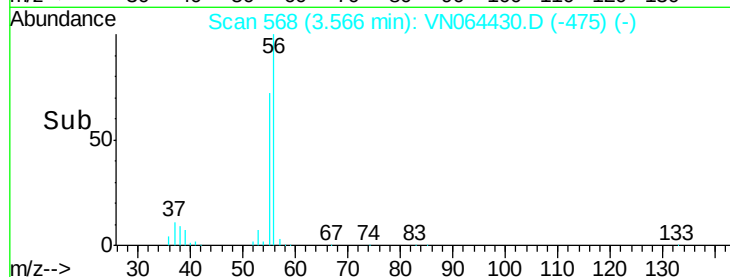
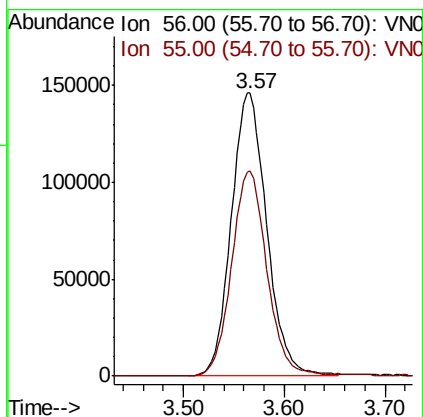
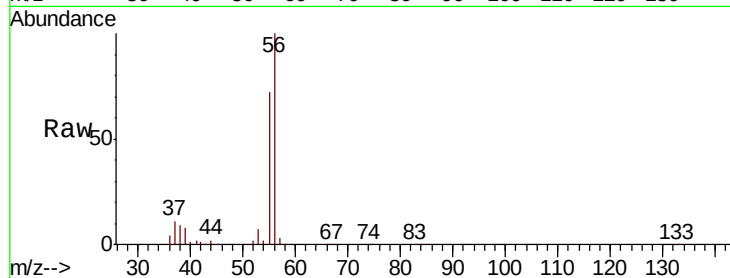
55 71.5 55.9 83.9

Manual Integrations

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#14

Allyl chloride

Concen: 159.554 ug/l

RT: 4.27 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

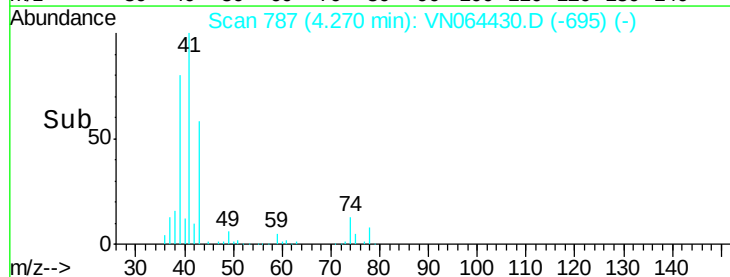
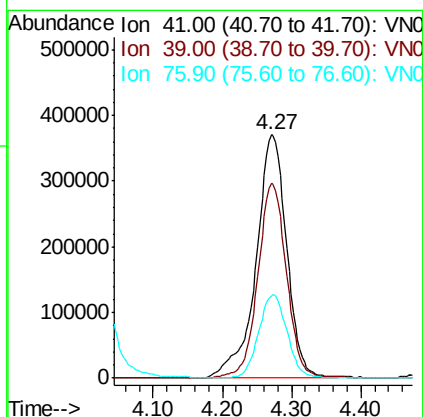
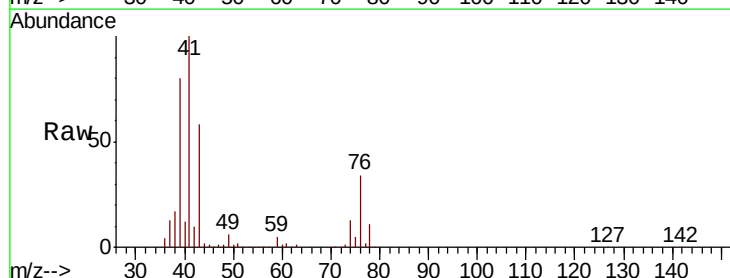
Tgt Ion: 41 Resp: 1137385

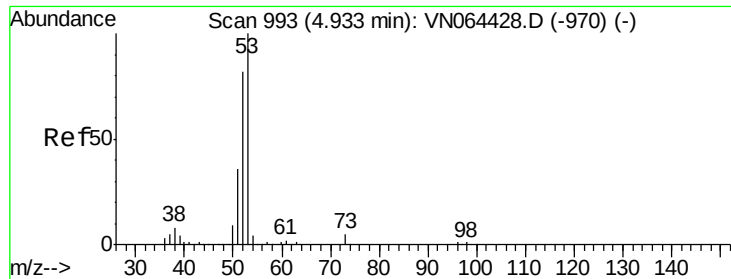
Ion Ratio Lower Upper

41 100

39 75.0 61.8 92.8

76 31.4 25.4 38.0





#15

Acrylonitrile

Concen: 869.448 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1592022

Ion Ratio Lower Upper

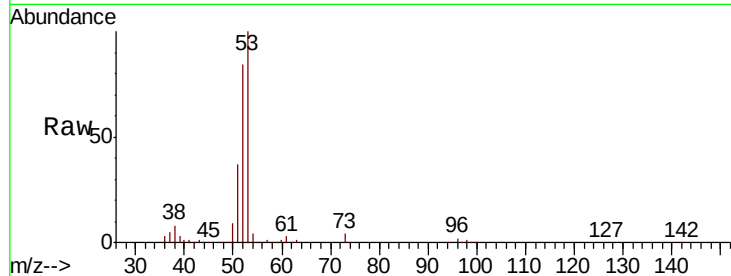
53 100

52 82.6 65.6 98.4

51 37.2 29.9 44.9

Manual Integrations
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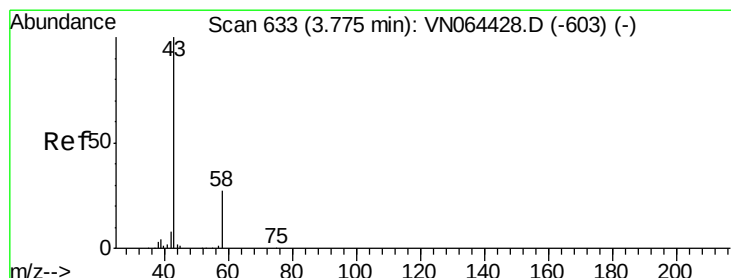
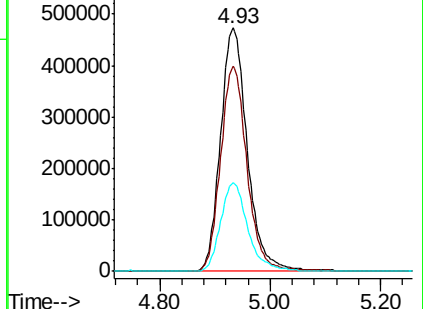
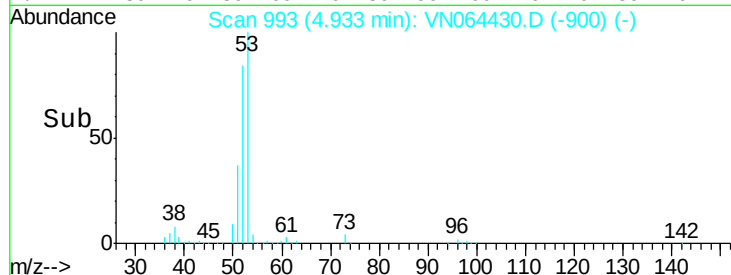


Abundance Ion 53.00 (52.70 to 53.70): VN064428.D (-970) (-)

Ion 52.00 (51.70 to 52.70): VN064428.D (-970) (-)

Ion 51.00 (50.70 to 51.70): VN064428.D (-970) (-)

Time-->



#16

Acetone

Concen: 752.764 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064430.D

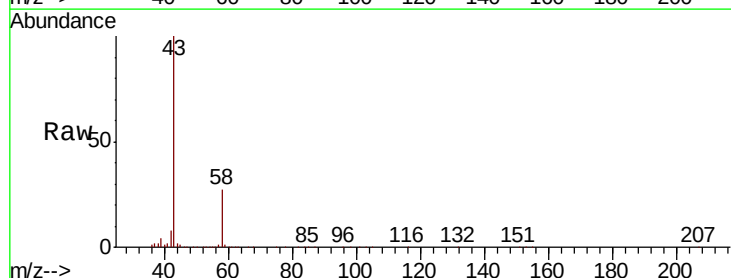
Acq: 4 Nov 2020 11:48

Tgt Ion: 43 Resp: 1635525

Ion Ratio Lower Upper

43 100

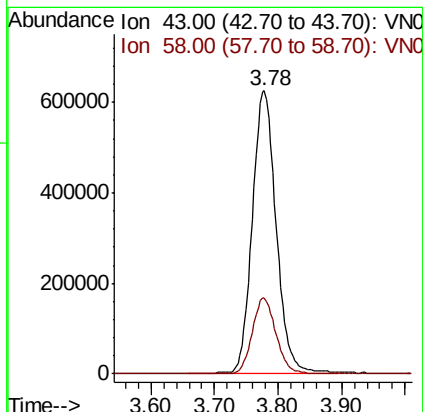
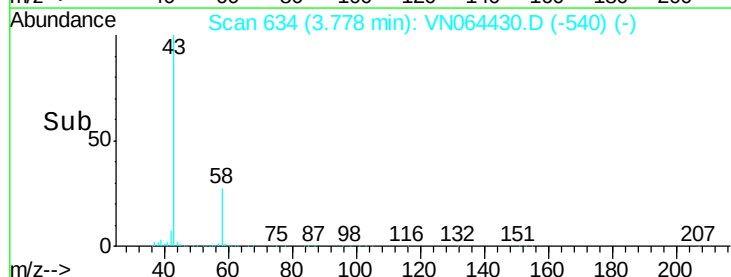
58 26.9 21.4 32.0

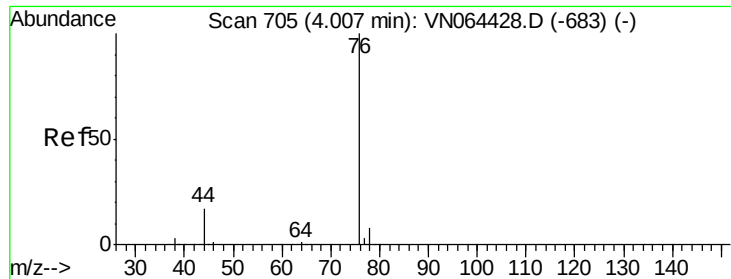


Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-603) (-)

Time-->





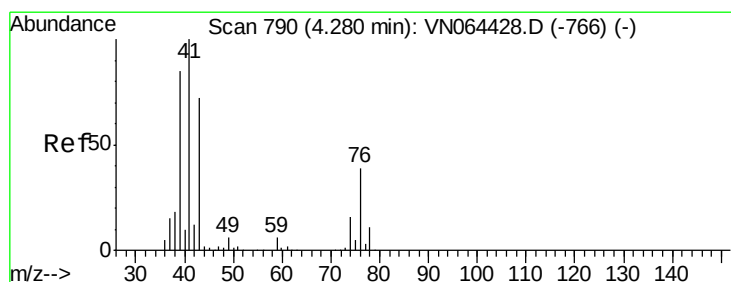
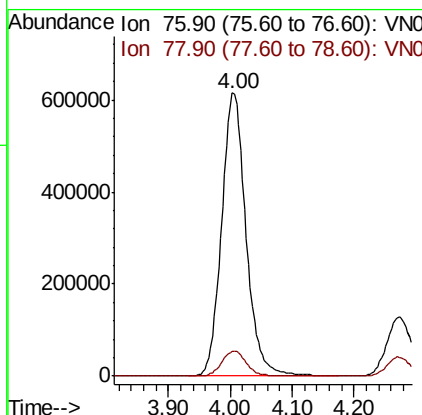
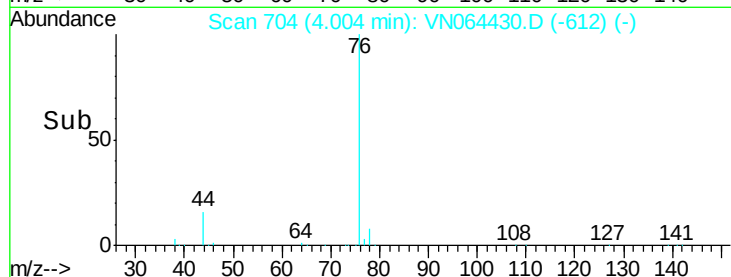
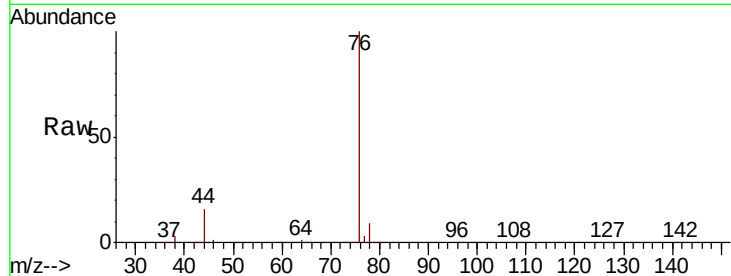
#17
Carbon Disulfide
Concen: 161.395 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1684617
Ion Ratio Lower Upper
76 100
78 8.9 6.8 10.2

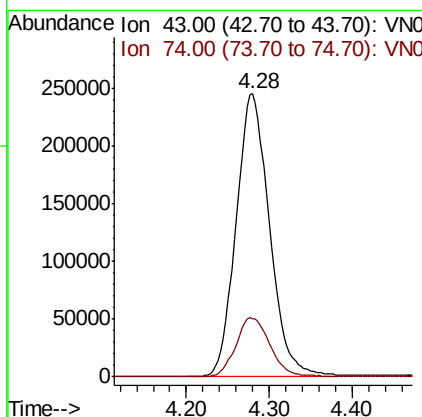
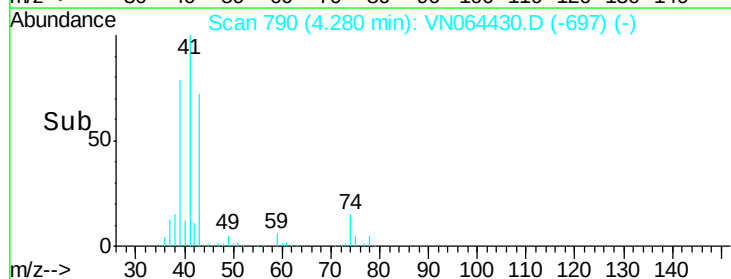
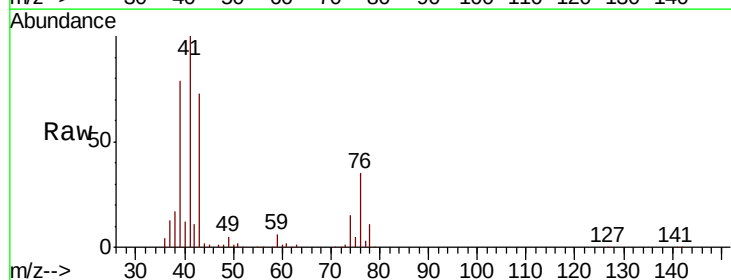
Manual Integrations
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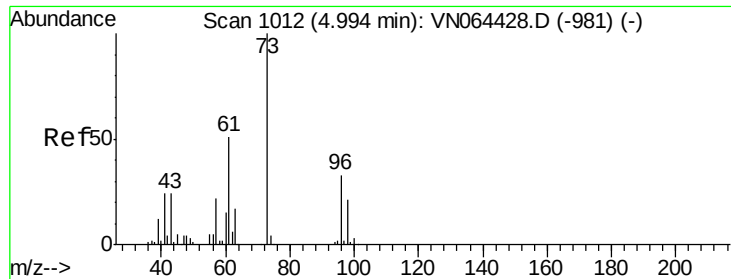
MMDadoda
11/5/2020 2:19:21 PM



#18
Methyl Acetate
Concen: 156.976 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion: 43 Resp: 685361
Ion Ratio Lower Upper
43 100
74 21.6 17.0 25.4





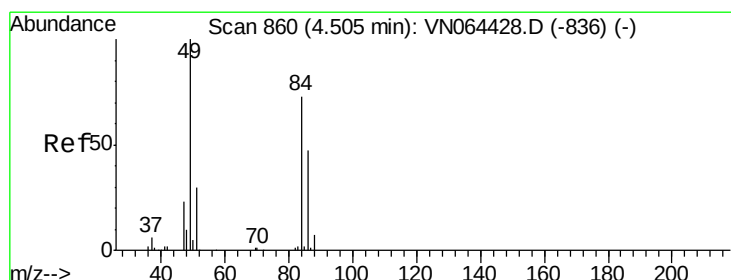
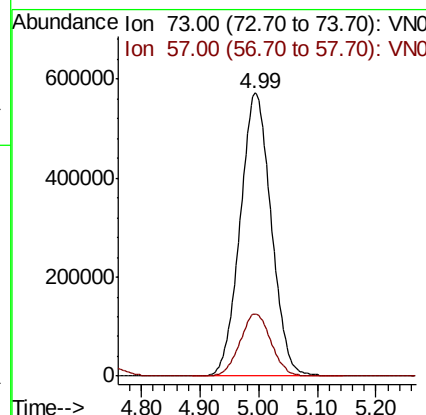
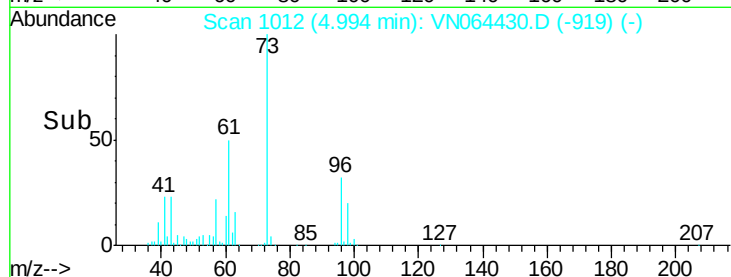
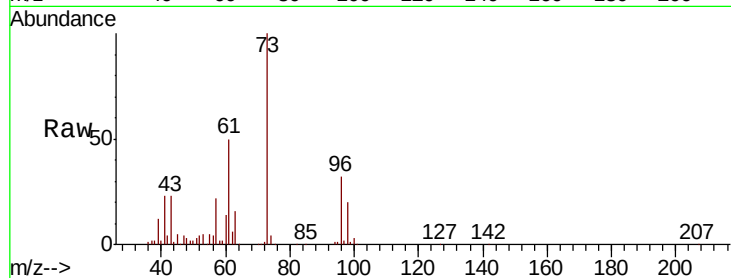
#19
Methyl tert-butyl Ether
Concen: 158.507 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 2112750
Ion Ratio Lower Upper
73 100
57 21.8 17.7 26.5

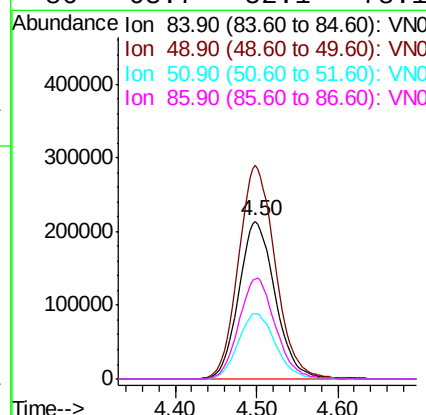
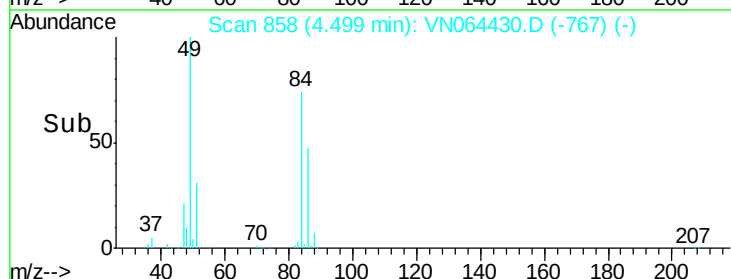
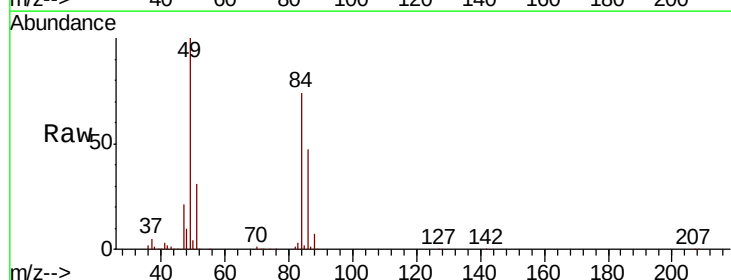
Manual Integrations
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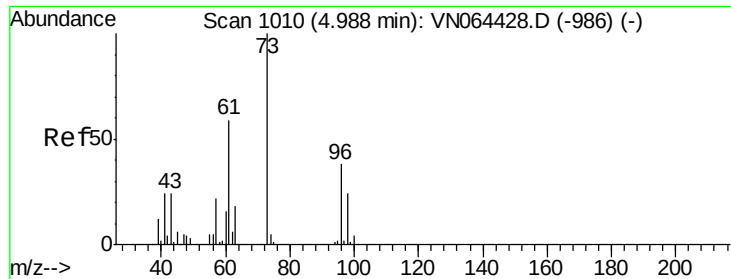
MMDadoda
11/5/2020 2:19:21 PM



#20
Methylene Chloride
Concen: 158.187 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion: 84 Resp: 660844
Ion Ratio Lower Upper
84 100
49 135.6 110.1 165.1
51 41.7 33.6 50.4
86 63.7 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 163.623 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 644733

Ion Ratio Lower Upper

96 100

61 156.4 122.4 183.6

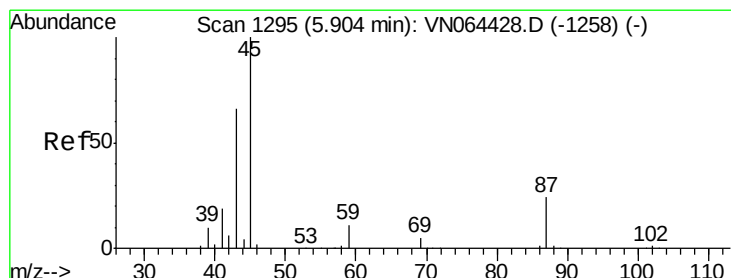
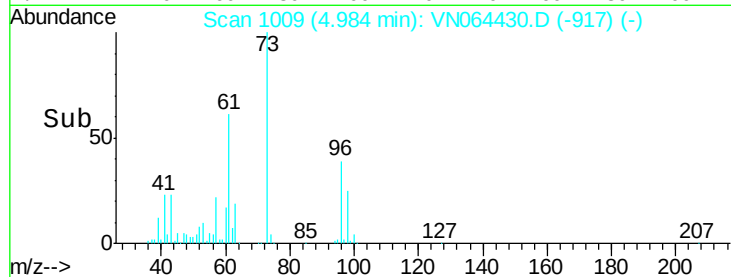
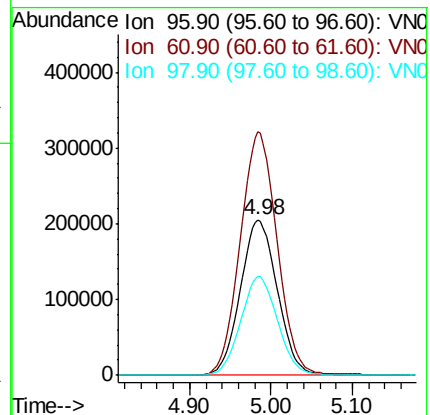
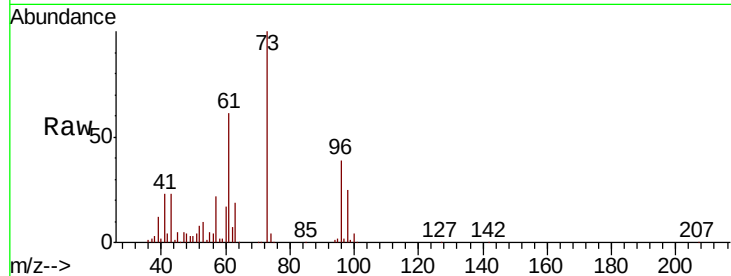
98 63.8 50.4 75.6

Manual Integrations

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MMDadoda

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#22

Diisopropyl ether

Concen: 175.035 ug/l

RT: 5.91 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Tgt Ion: 45 Resp: 2484827

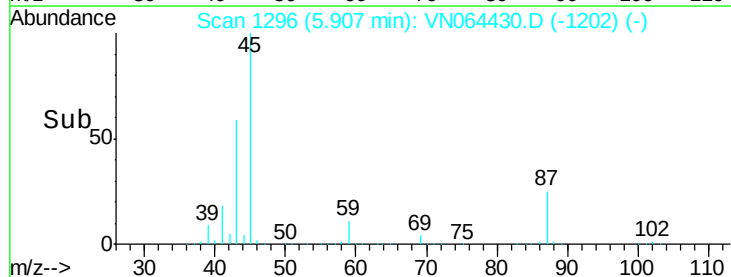
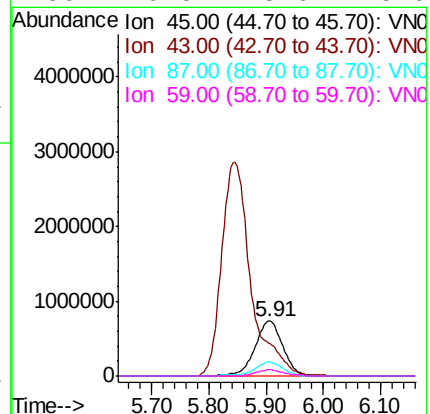
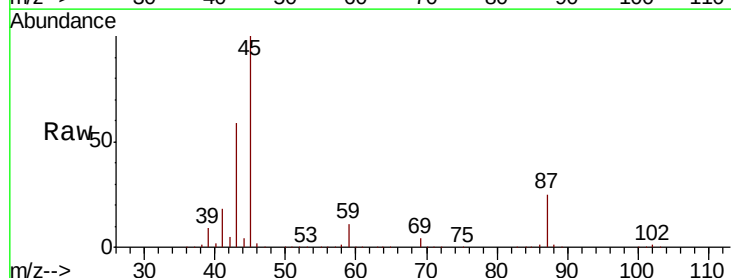
Ion Ratio Lower Upper

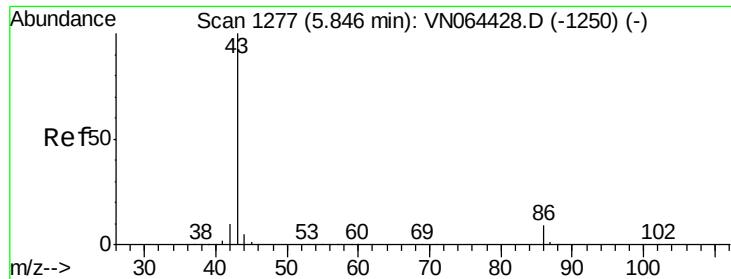
45 100

43 58.9 53.2 79.8

87 25.0 19.9 29.9

59 10.8 8.6 13.0





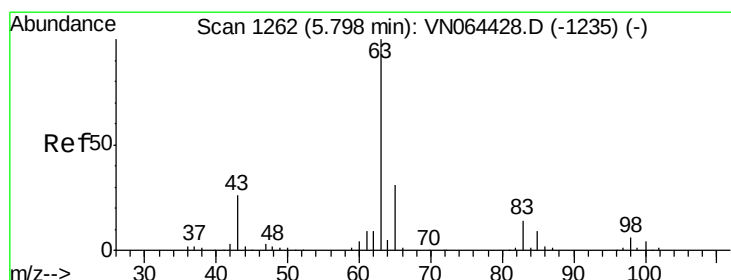
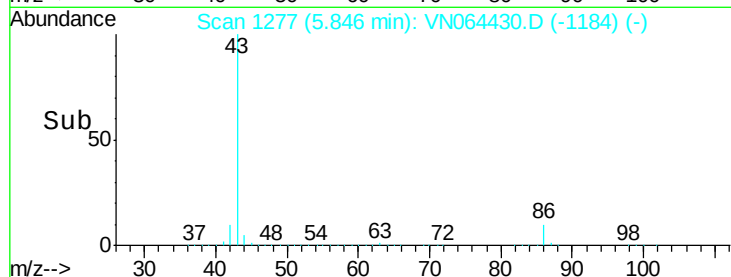
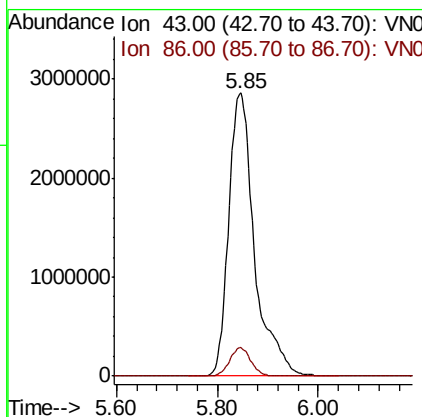
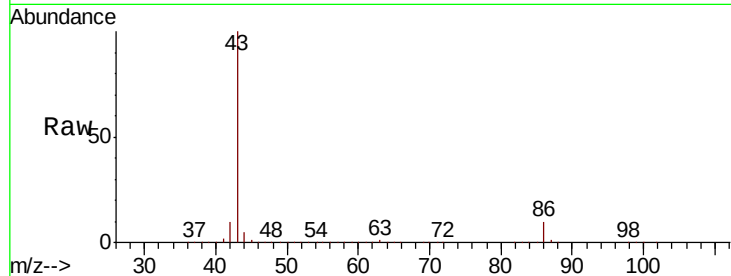
#23
 Vinyl Acetate
 Concen: 855.312 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp:10158164
 Ion Ratio Lower Upper
 43 100
 86 10.0 6.8 10.2

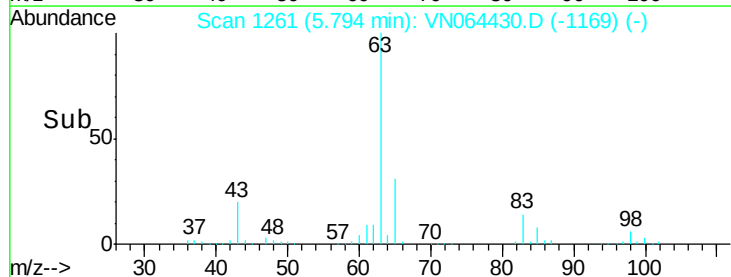
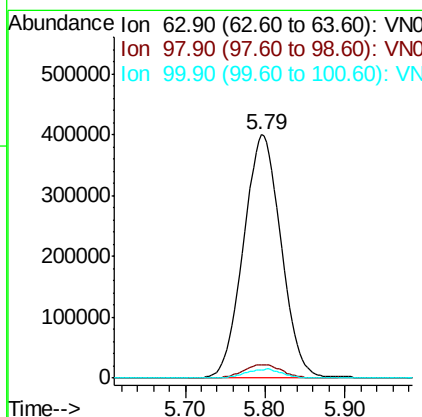
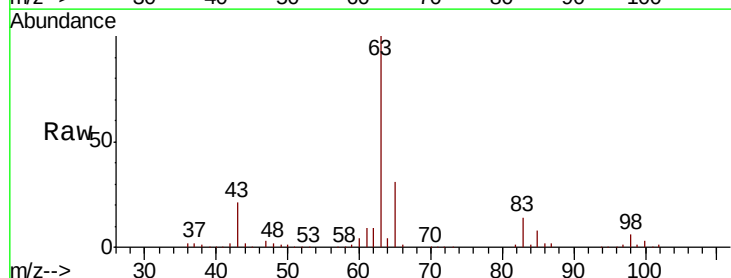
Manual Integrations
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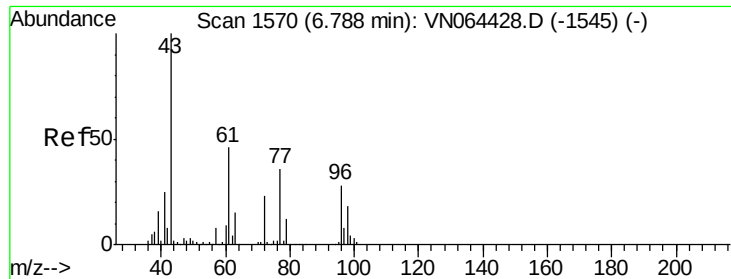
MMDadoda
 11/5/2020 2:19:21 PM



#24
 1,1-Dichloroethane
 Concen: 162.808 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Tgt Ion: 63 Resp: 1281880
 Ion Ratio Lower Upper
 63 100
 98 5.6 3.0 9.2
 100 3.4 1.8 5.3





#25

2-Butanone

Concen: 817.445 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2408673

Ion Ratio Lower Upper

43 100

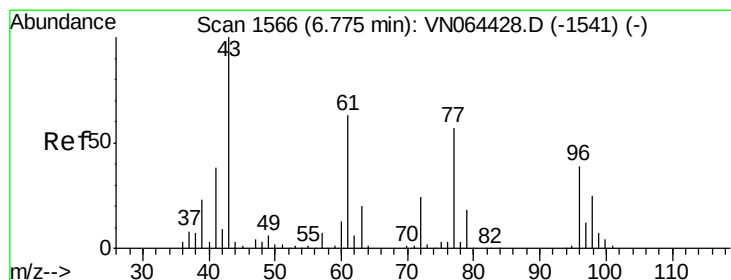
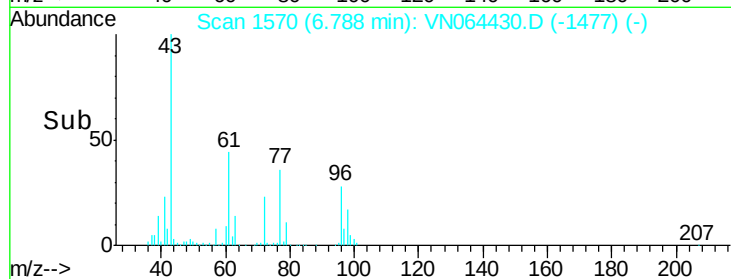
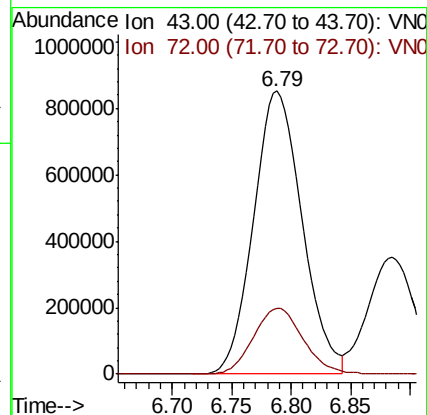
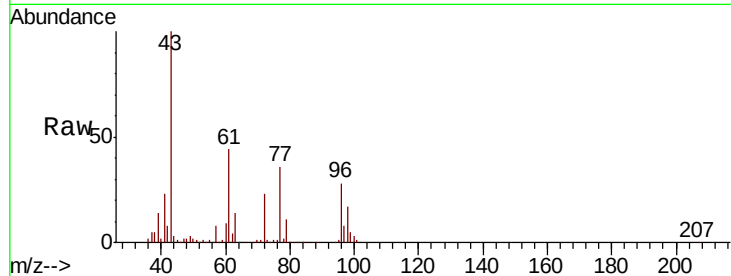
72 23.4 18.5 27.7

Manual Integrations

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MMDadoda

11/5/2020 2:19:21 PM



#26

2,2-Dichloropropane

Concen: 153.280 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064430.D

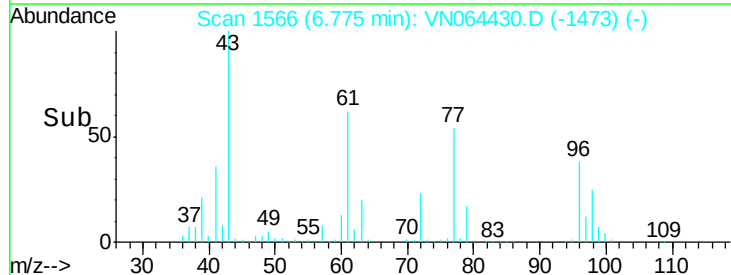
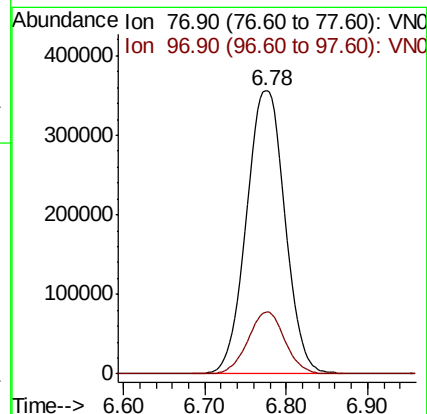
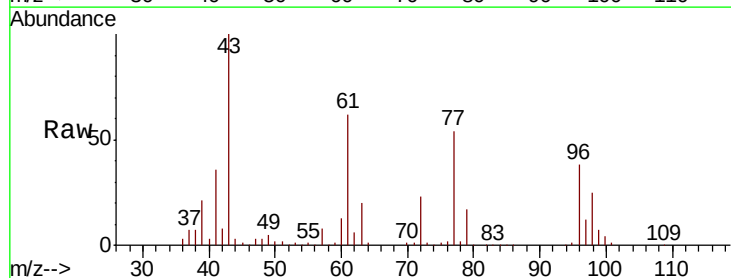
Acq: 4 Nov 2020 11:48

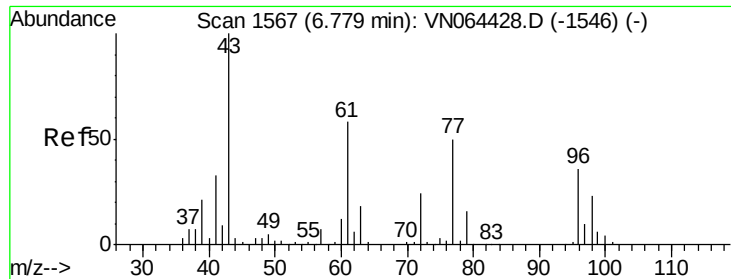
Tgt Ion: 77 Resp: 1164081

Ion Ratio Lower Upper

77 100

97 21.0 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 167.653 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

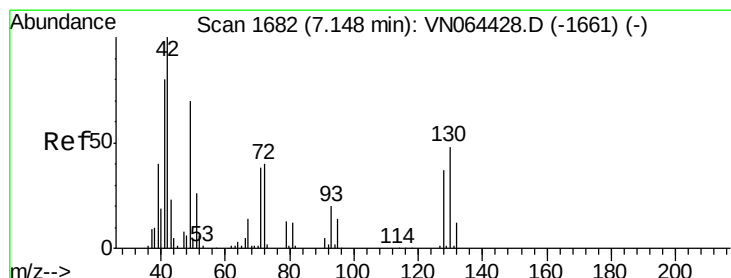
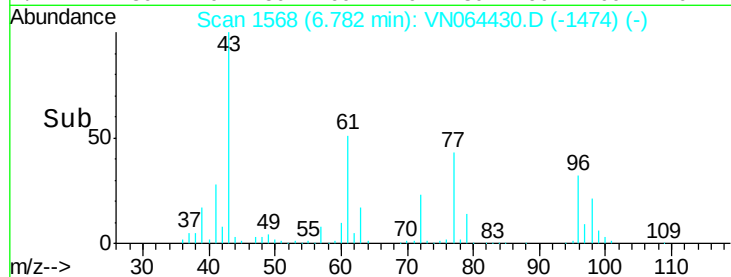
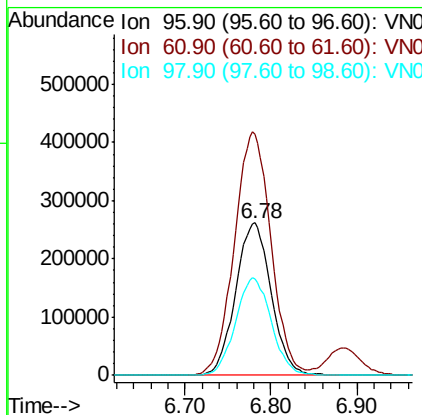
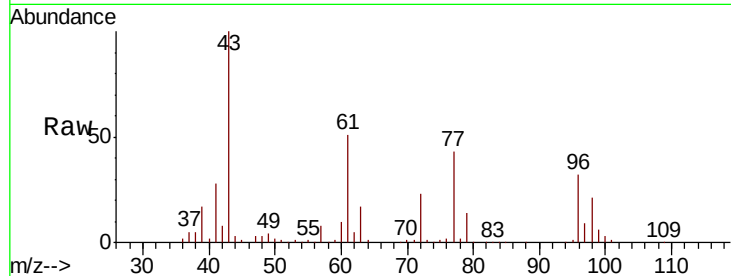
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	754374
Ion	Ratio	Lower	Upper
96	100		
61	163.4	0.0	329.6
98	64.4	0.0	131.2

Manual Integrations
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#28

Bromochloromethane

Concen: 181.847 ug/l

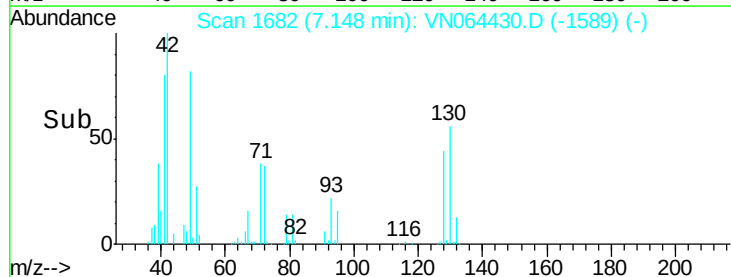
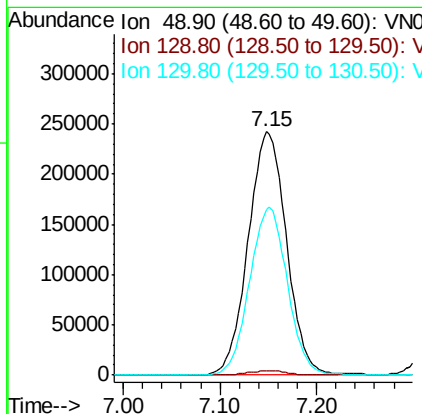
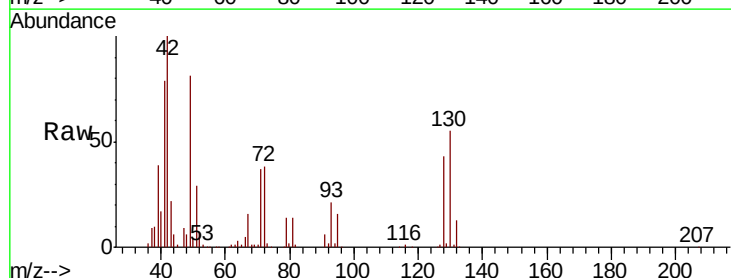
RT: 7.15 min Scan# 1682

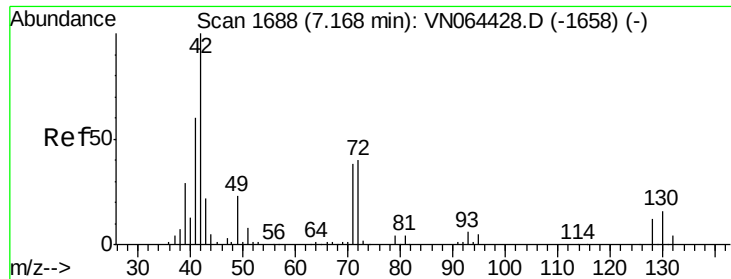
Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Tgt Ion:	49	Resp:	665321
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	68.1	54.2	81.4





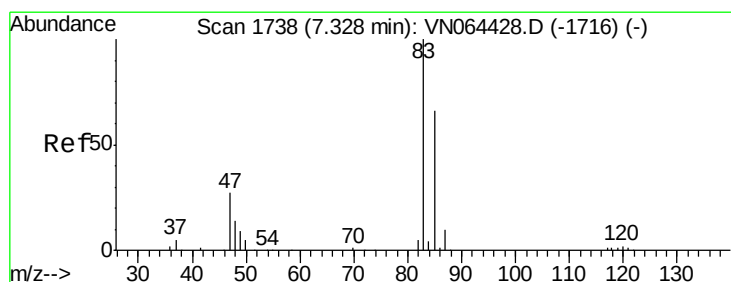
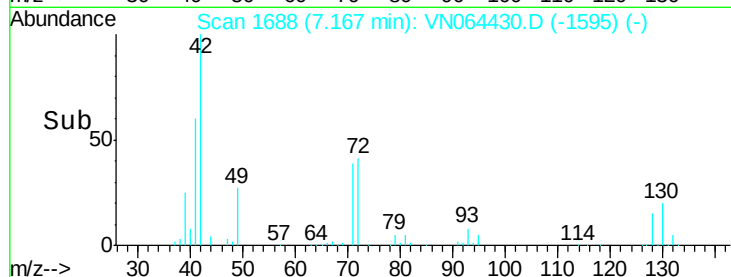
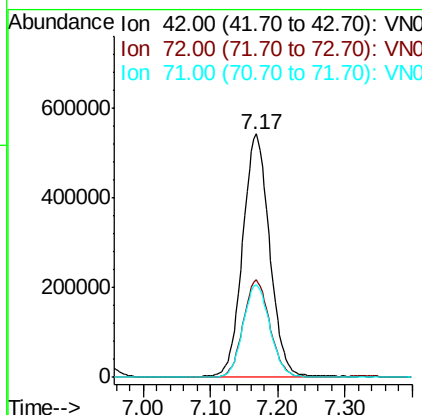
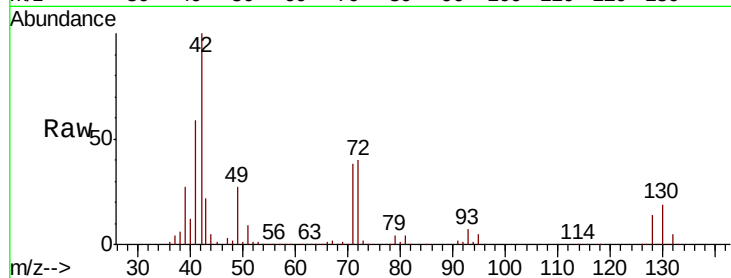
#29
Tetrahydrofuran
Concen: 803.502 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1515109
Ion Ratio Lower Upper
42 100
72 39.3 31.7 47.5
71 37.9 29.8 44.6

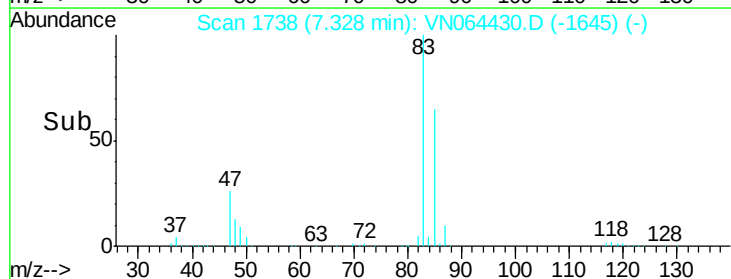
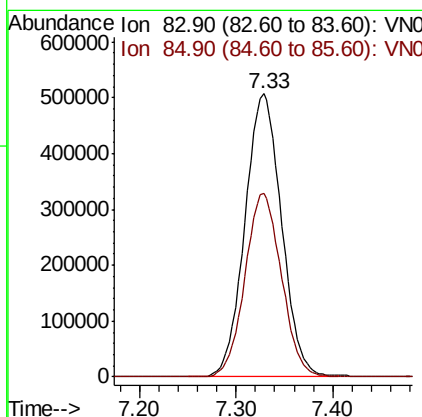
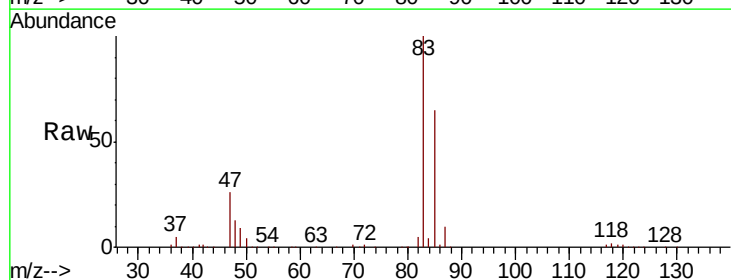
Manual Integrations
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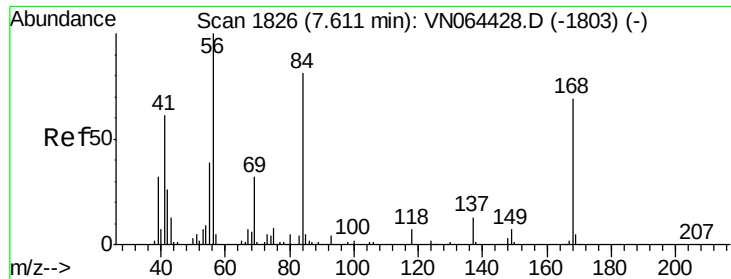
MMDadoda
11/5/2020 2:19:21 PM



#30
Chloroform
Concen: 158.431 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion: 83 Resp: 1331649
Ion Ratio Lower Upper
83 100
85 64.8 52.5 78.7





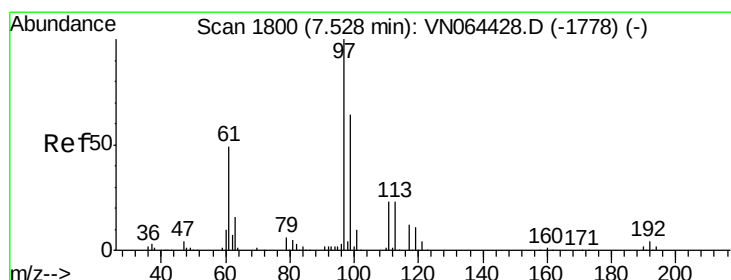
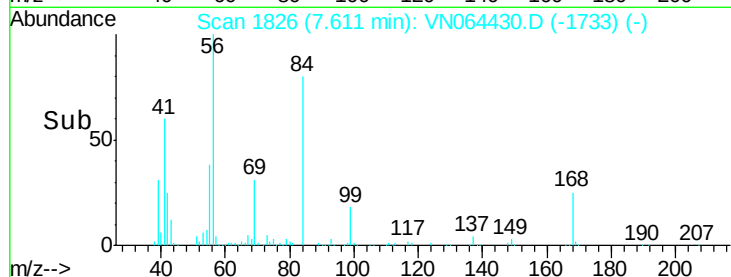
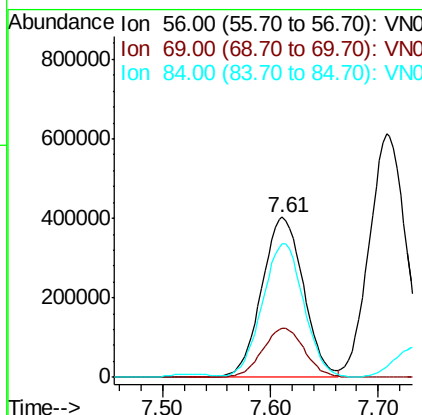
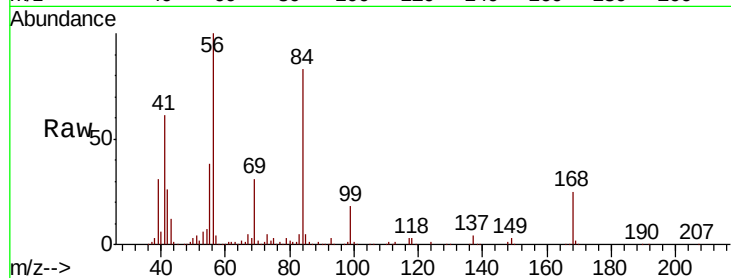
#31
Cyclohexane
Concen: 156.522 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 56 Resp: 1081972
Ion Ratio Lower Upper
56 100
69 30.8 25.6 38.4
84 81.6 63.0 94.6

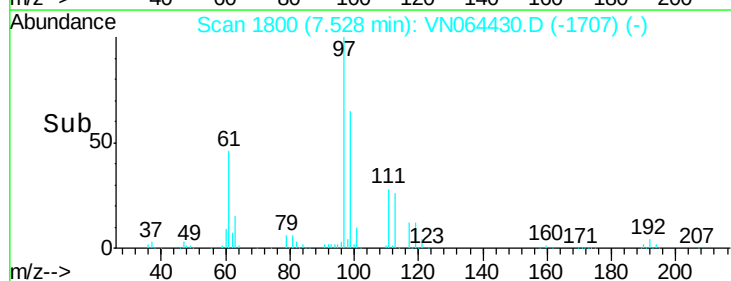
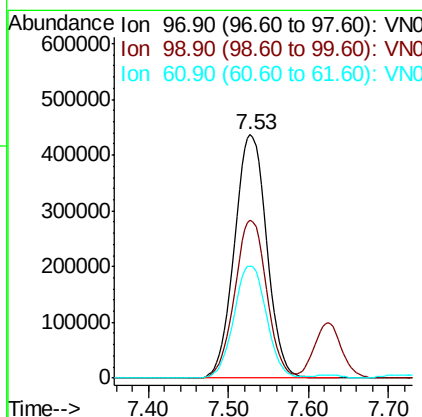
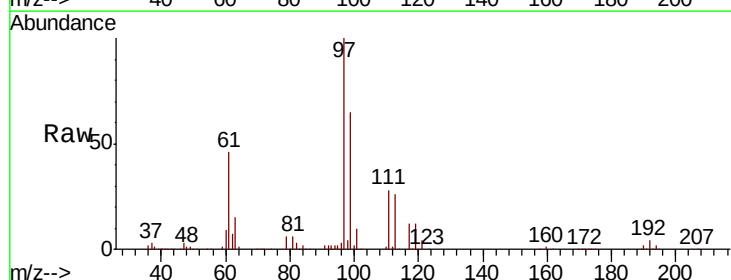
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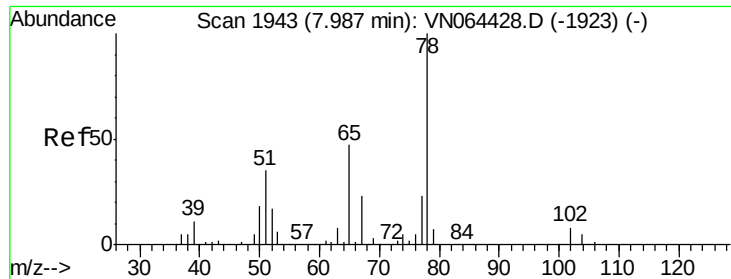
MMDadoda
11/5/2020 2:19:21 PM



#32
1,1,1-Trichloroethane
Concen: 150.062 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion: 97 Resp: 1190921
Ion Ratio Lower Upper
97 100
99 64.0 51.3 76.9
61 46.4 39.1 58.7





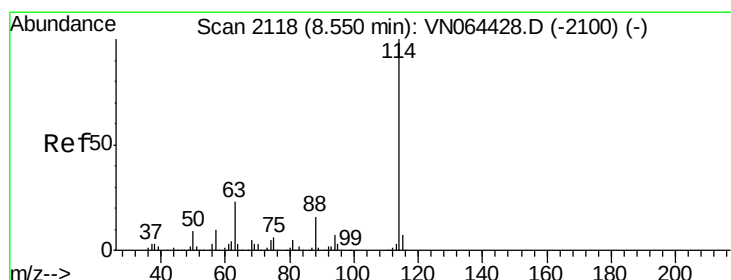
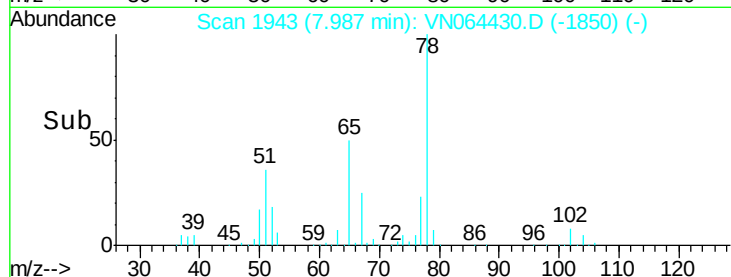
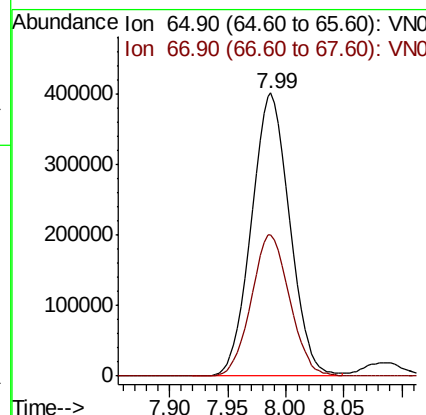
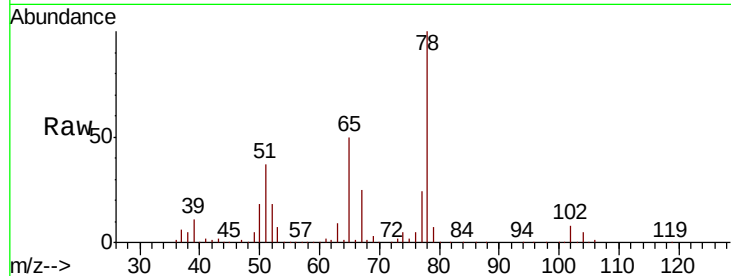
#33
 1,2-Dichloroethane-d4
 Concen: 158.264 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	101.6

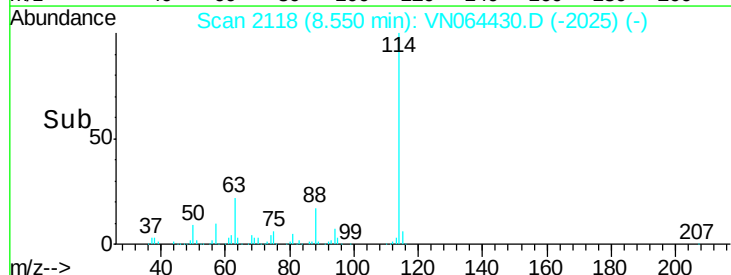
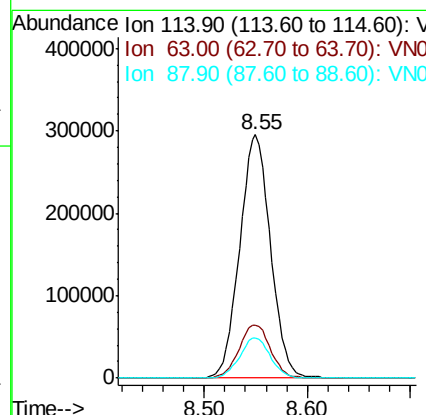
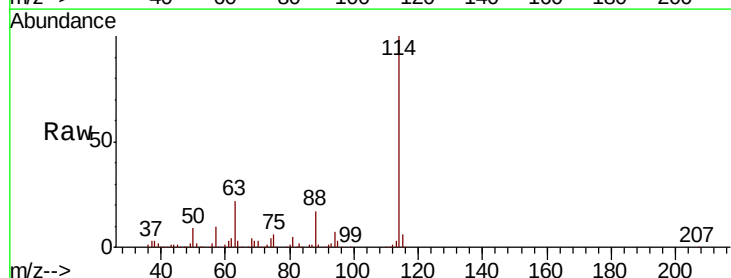
Manual Integrations
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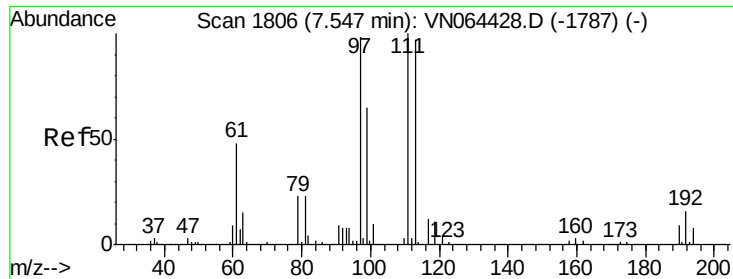
MMDadoda
 11/5/2020 2:19:21 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	45.6
88	16.6	0.0	32.8





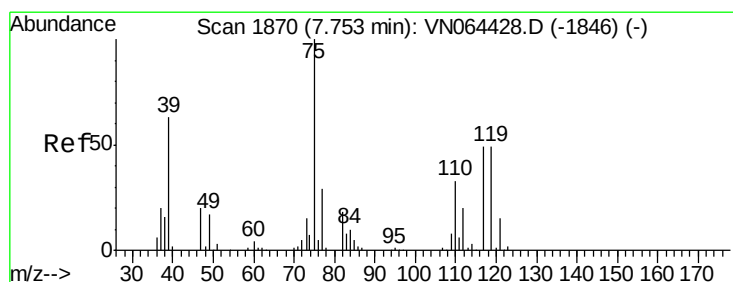
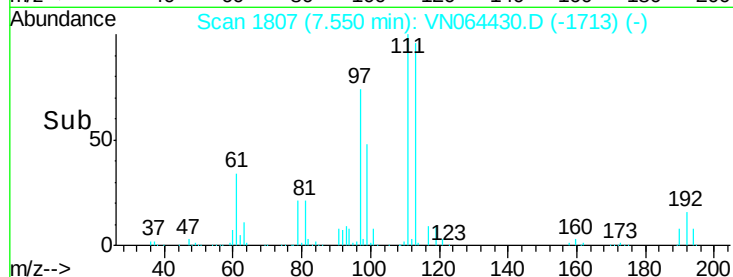
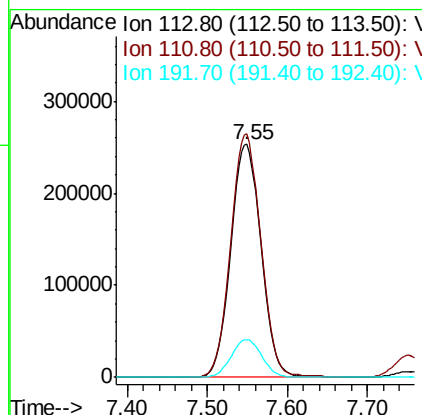
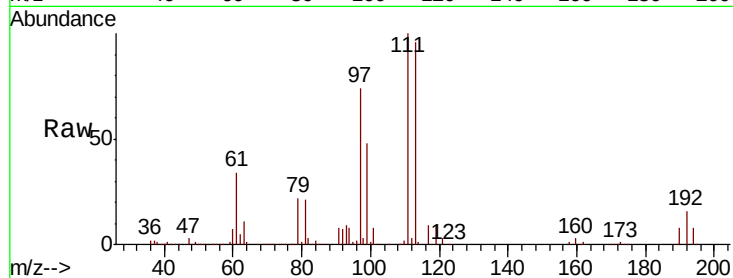
#35
 Dibromofluoromethane
 Concen: 159.231 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	650994		
111	104.2	81.1	121.7	
192	16.4	12.8	19.2	

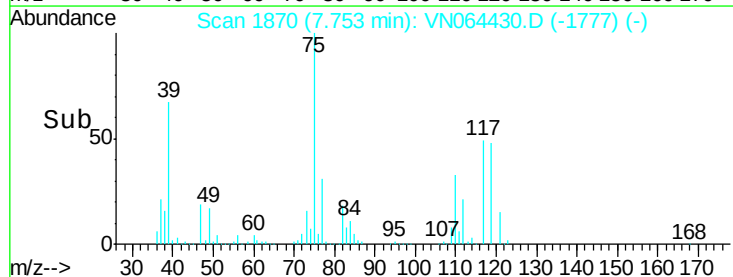
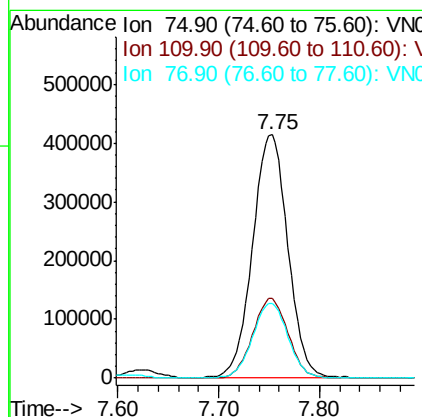
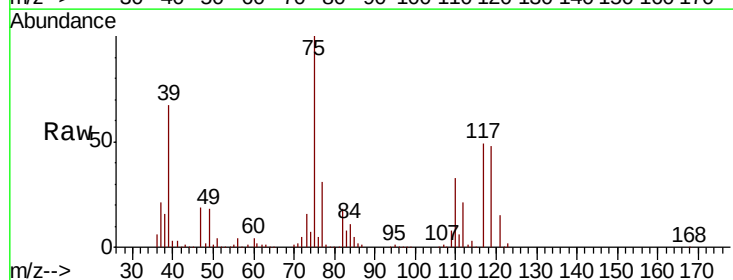
Manual Integrations
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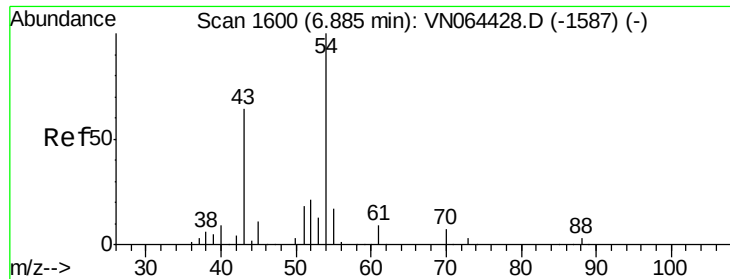
MMDadoda
 11/5/2020 2:19:21 PM



#36
 1,1-Dichloropropene
 Concen: 158.735 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1002735		
110	32.9	16.0	48.0	
77	31.0	24.0	36.0	





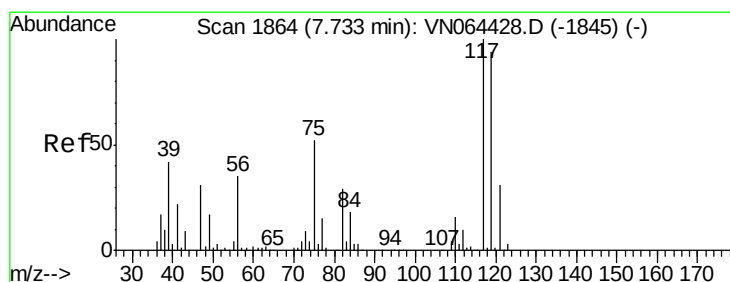
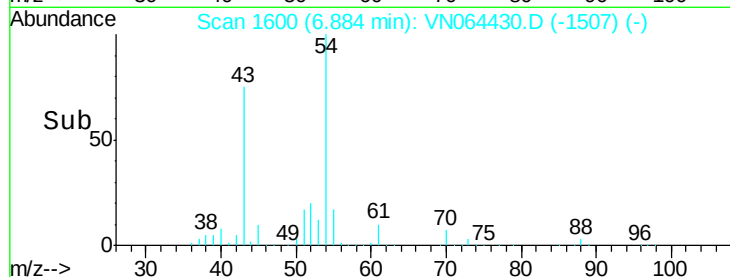
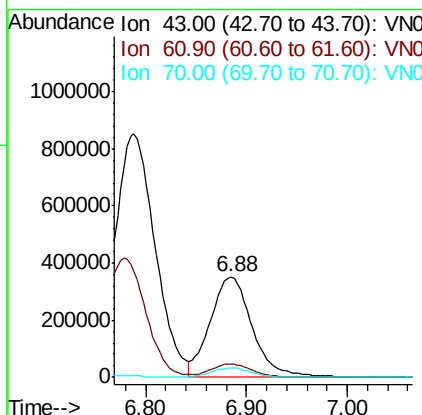
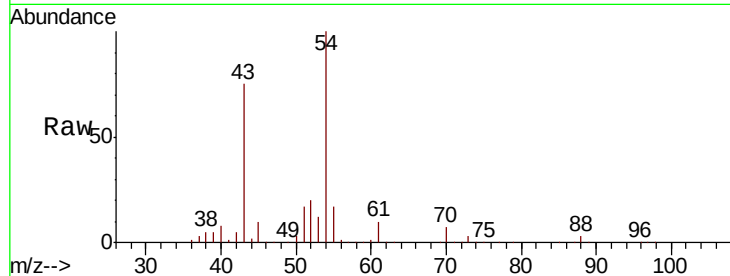
#37
Ethyl Acetate
Concen: 158.834 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1000934
Ion Ratio Lower Upper
43 100
61 12.8 10.0 15.0
70 9.0 7.1 10.7

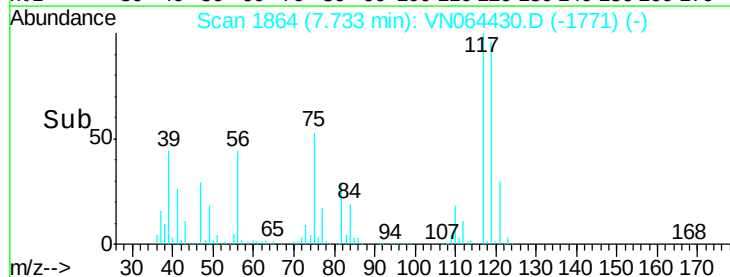
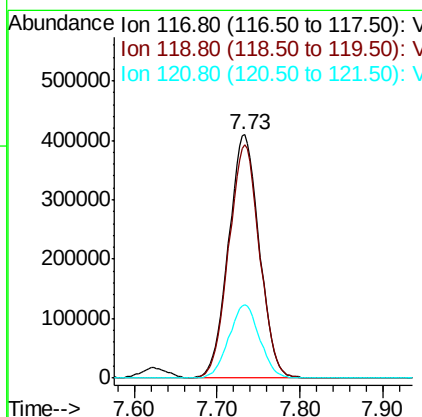
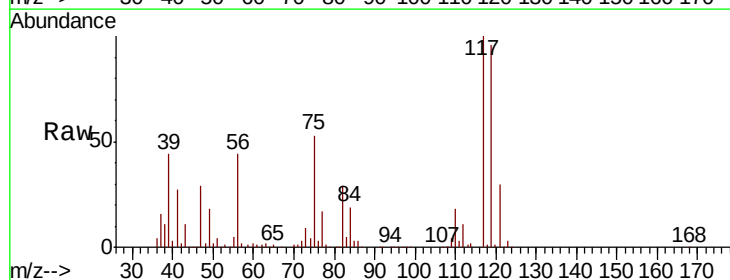
Manual Integrations
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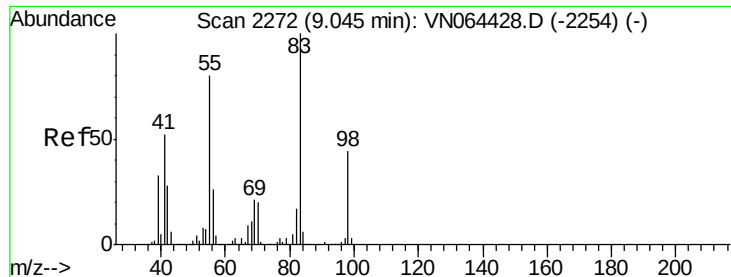
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#38
Carbon Tetrachloride
Concen: 147.192 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion: 117 Resp: 1054366
Ion Ratio Lower Upper
117 100
119 95.9 75.5 113.3
121 30.2 24.4 36.6





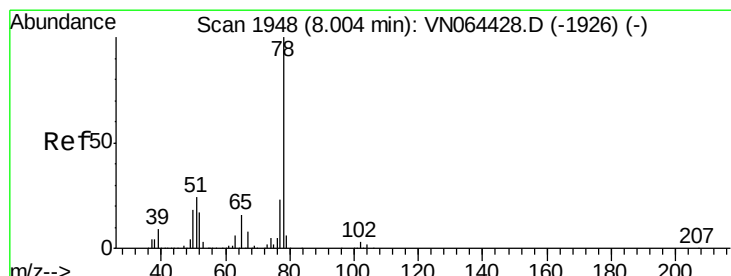
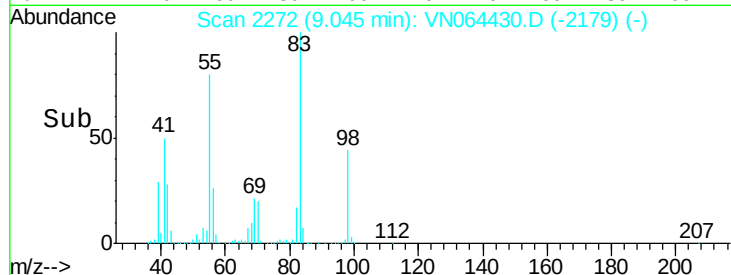
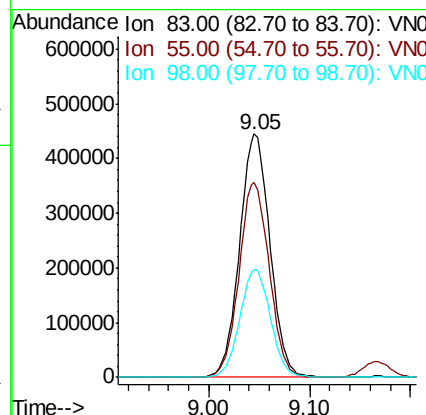
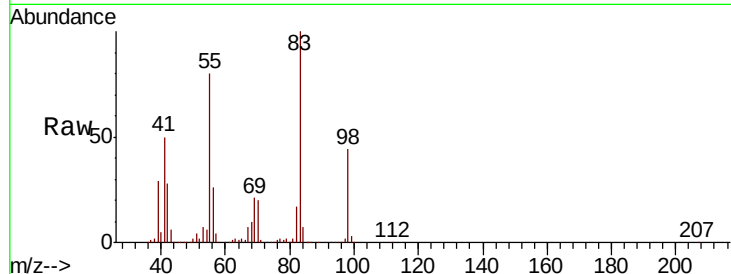
#39
Methylvlcyclohexane
Concen: 150.633 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	63.8	95.6
98	44.4	35.4	53.2

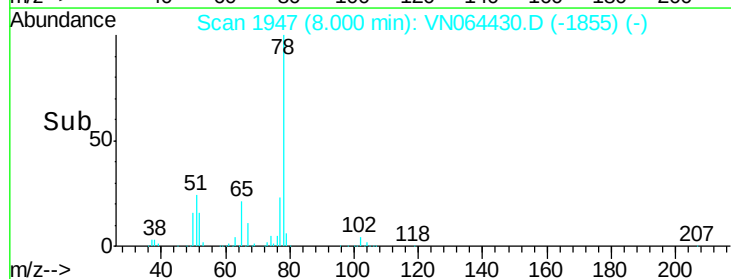
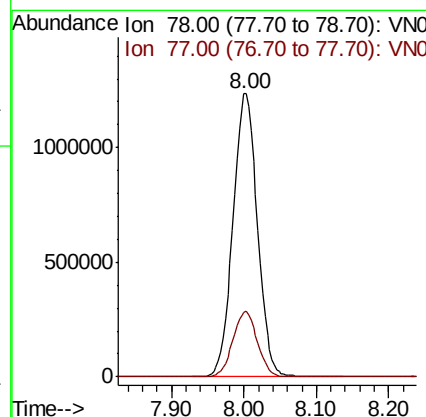
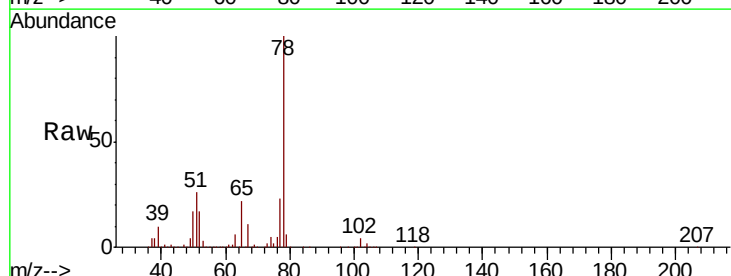
Manual Integrations
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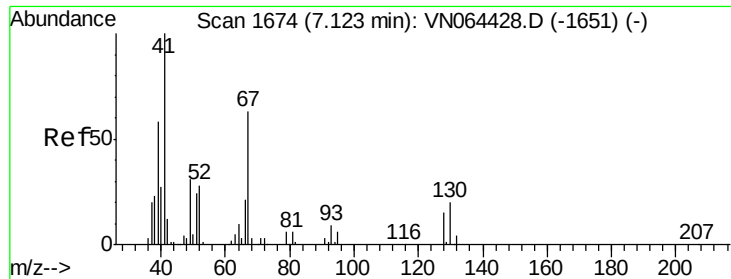
MMDadoda
11/5/2020 2:19:21 PM



#40
Benzene
Concen: 163.691 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.7	28.1





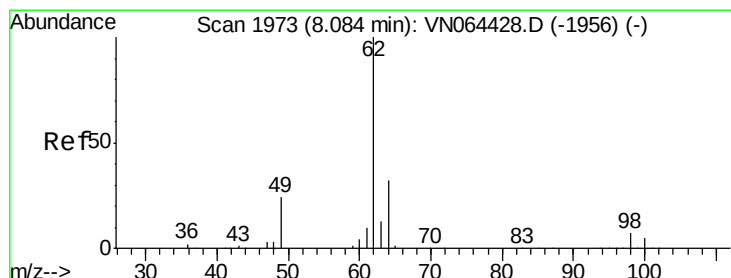
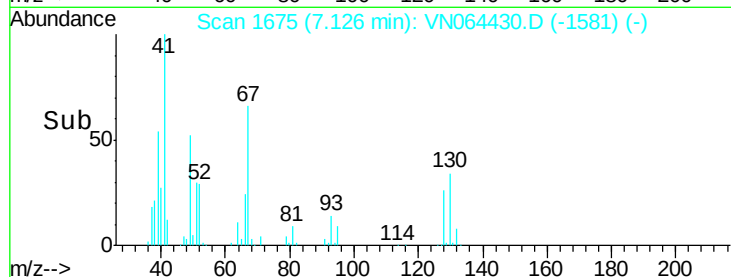
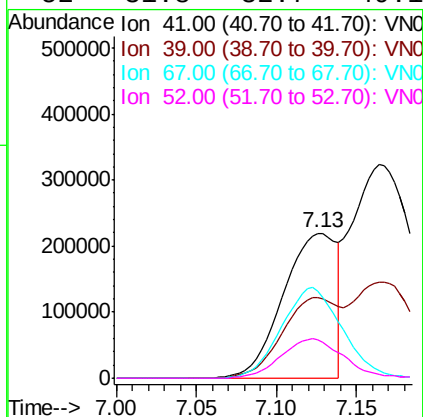
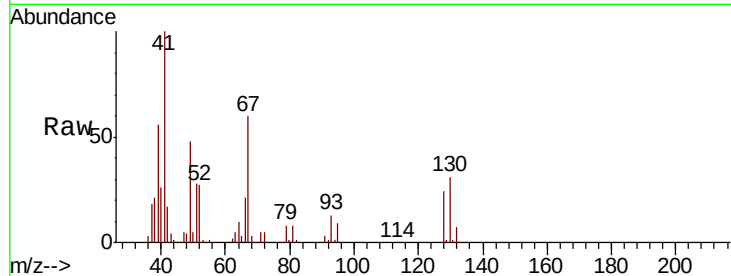
#41
Methacrylonitrile
Concen: 166.401 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	59.4	50.0	75.0	
67	72.0	68.3	102.5	
52	31.8	32.7	49.1	

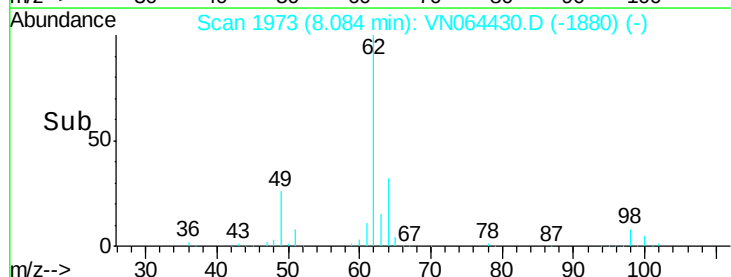
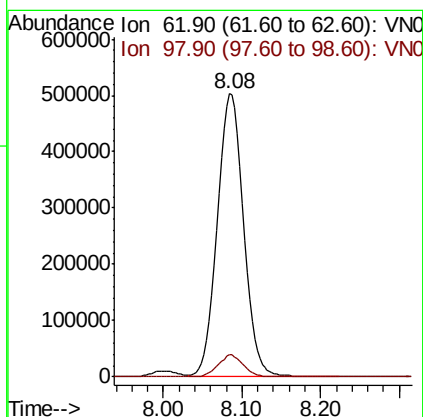
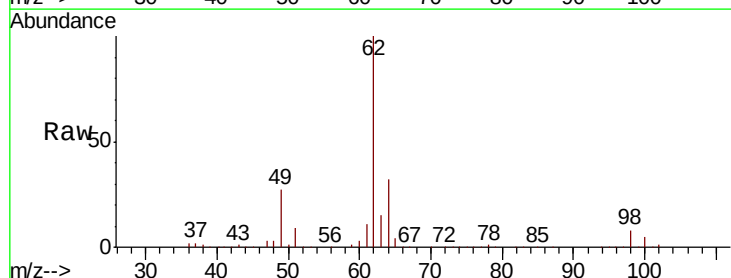
Manual Integrations
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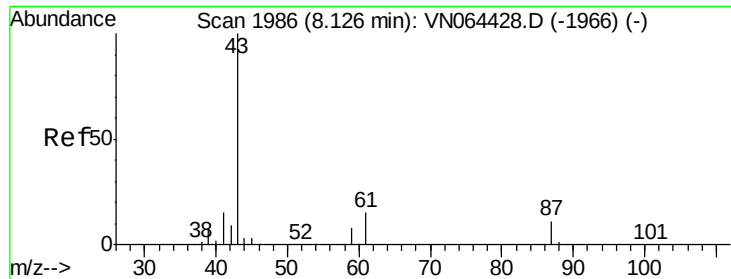
MMDadoda
11/5/2020 2:19:21 PM



#42
1,2-Dichloroethane
Concen: 153.557 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.3	0.0	14.0	





#43

Isopropyl Acetate

Concen: 161.748 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1739069

Ion Ratio Lower Upper

43 100

61 18.3 14.0 21.0

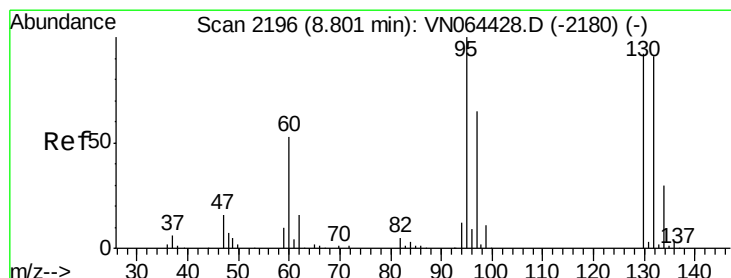
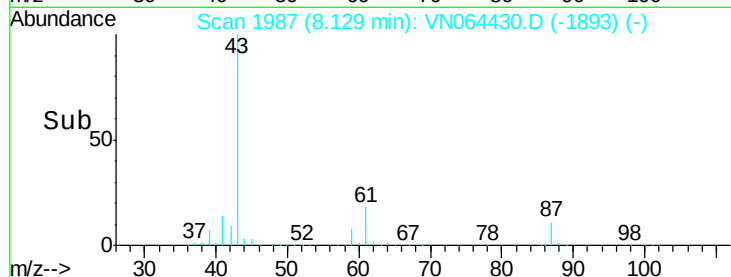
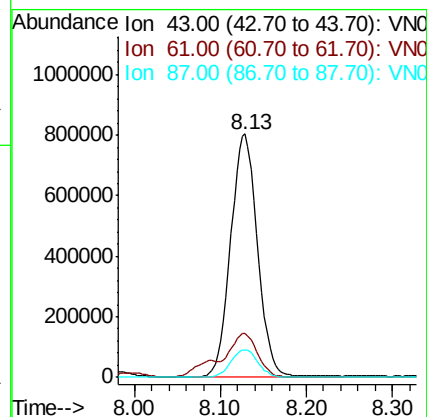
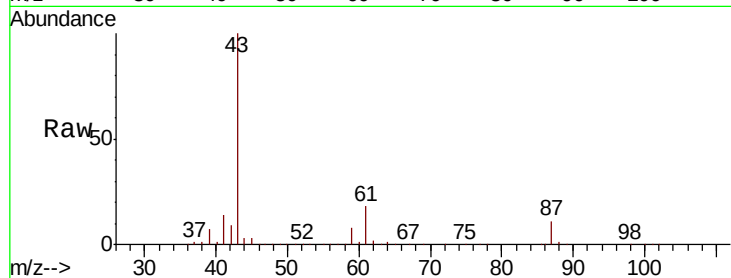
87 11.5 9.1 13.7

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#44

Trichloroethene

Concen: 157.110 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064430.D

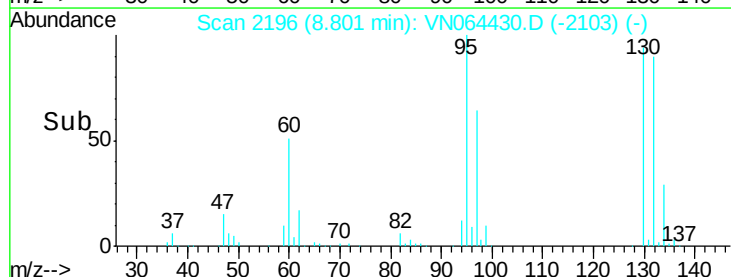
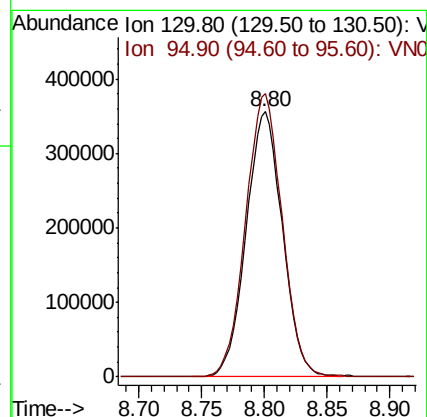
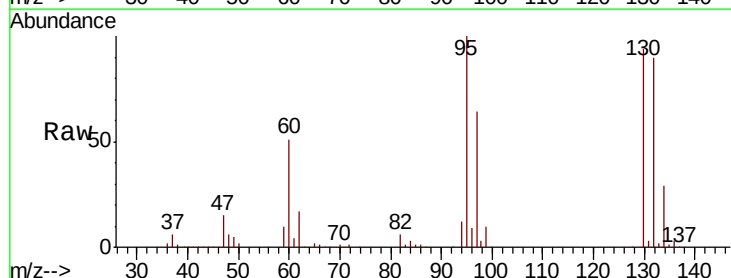
Acq: 4 Nov 2020 11:48

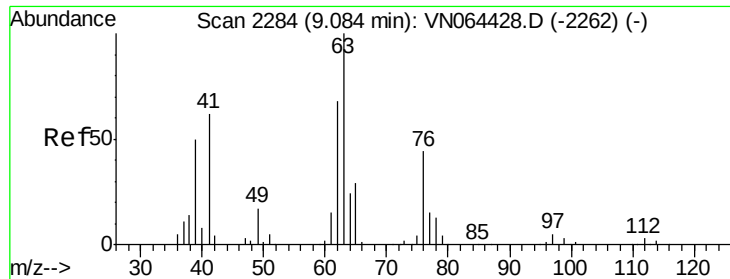
Tgt Ion:130 Resp: 717718

Ion Ratio Lower Upper

130 100

95 106.9 0.0 216.8





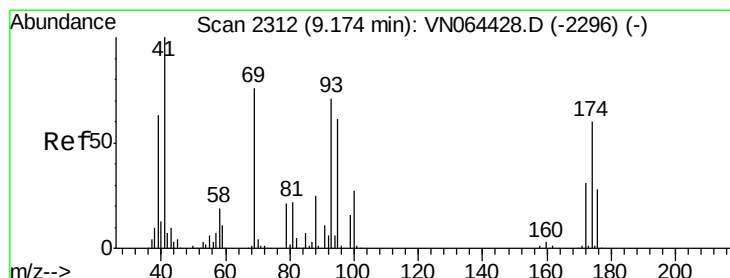
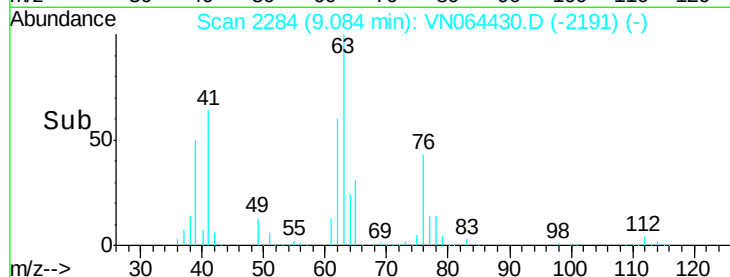
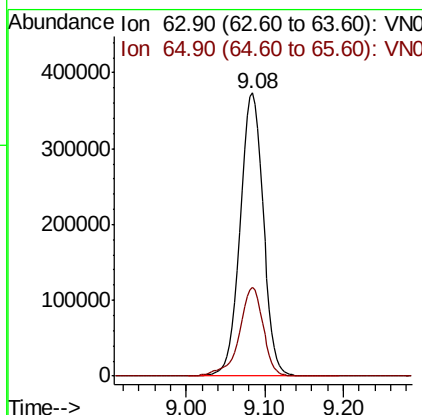
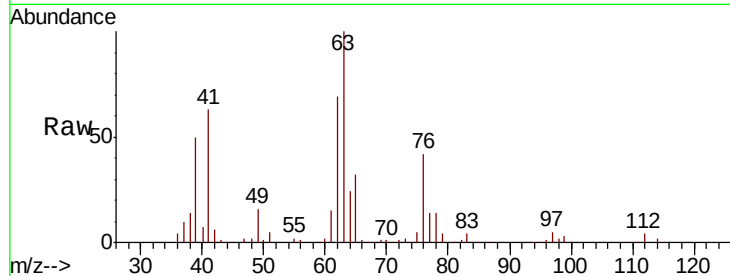
#45
 1,2-Dichloropropane
 Concen: 162.649 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 772005
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.6 35.4

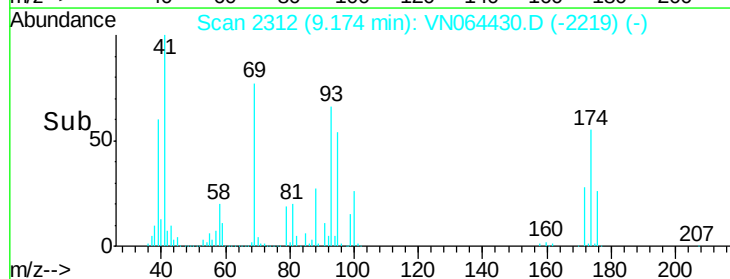
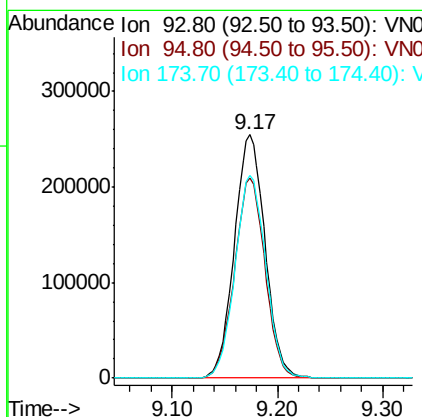
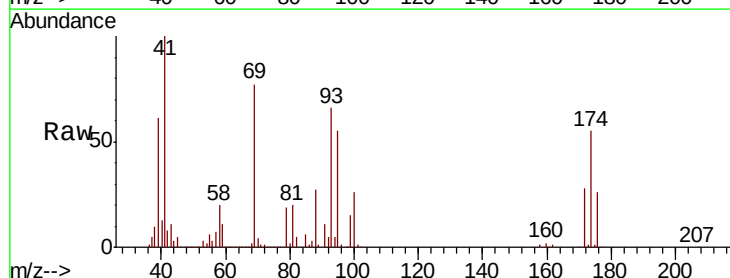
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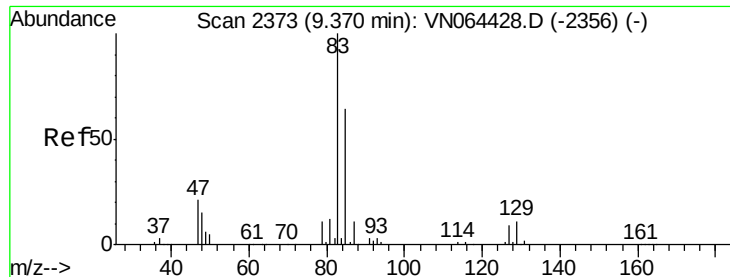
MMDadoda
 11/5/2020 2:19:21 PM



#46
 Dibromomethane
 Concen: 157.790 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Tgt Ion: 93 Resp: 514123
 Ion Ratio Lower Upper
 93 100
 95 82.0 66.4 99.6
 174 83.5 67.2 100.8





#47

Bromodichloromethane

Concen: 153.010 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1107033

Ion Ratio Lower Upper

83 100

85 64.0 51.2 76.8

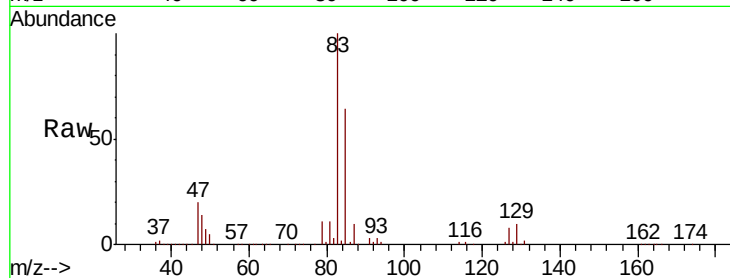
127 8.2 6.9 10.3

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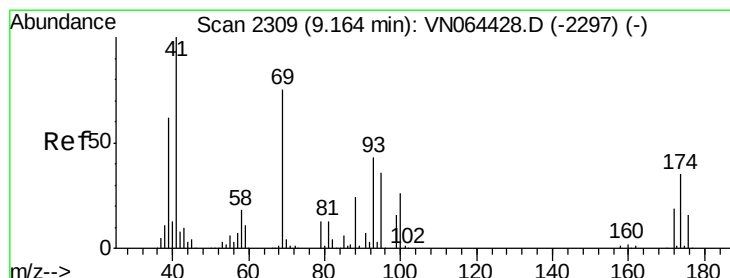
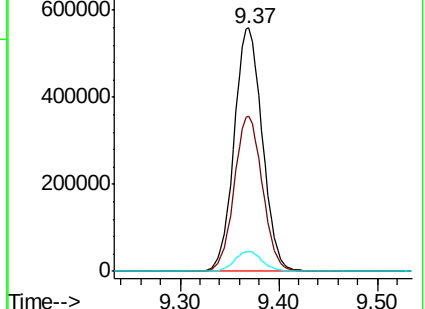
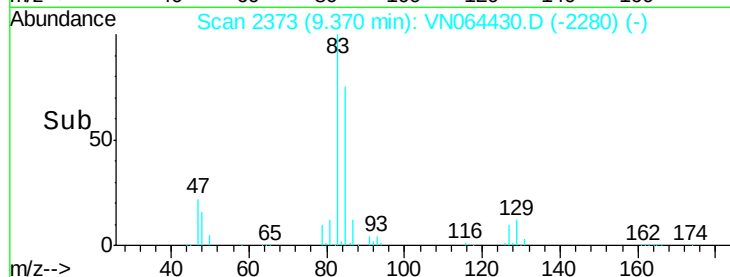


Abundance Ion 82.90 (82.60 to 83.60): VN064430.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064430.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064430.D (-2280) (-)

Time-->



#48

Methyl methacrylate

Concen: 158.372 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

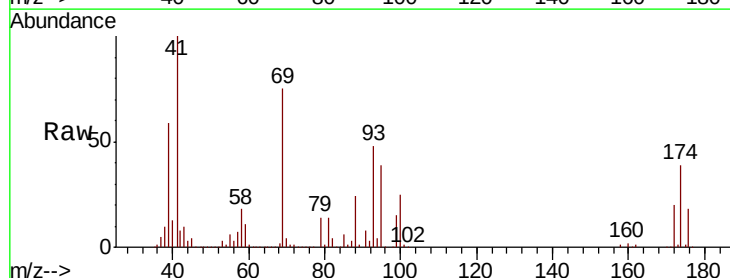
Tgt Ion: 41 Resp: 879561

Ion Ratio Lower Upper

41 100

69 75.6 60.4 90.6

39 60.3 51.2 76.8

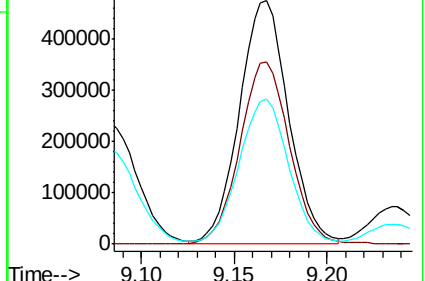
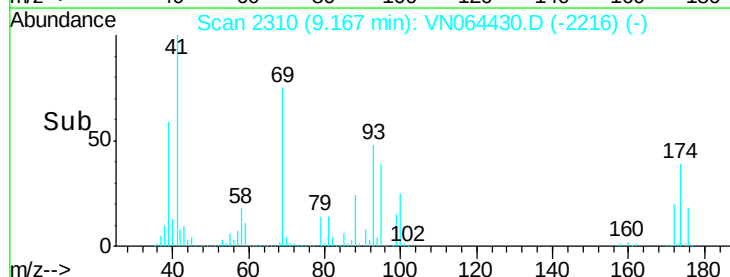


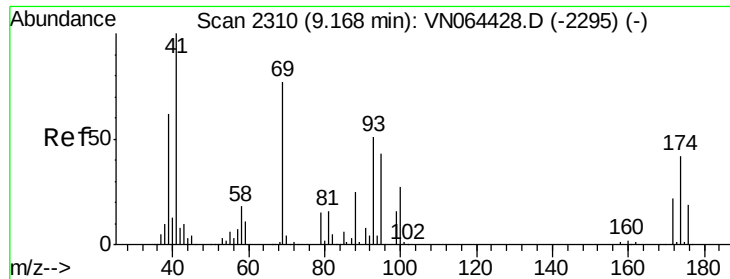
Abundance Ion 41.00 (40.70 to 41.70): VN064430.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064430.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064430.D (-2216) (-)

Time-->





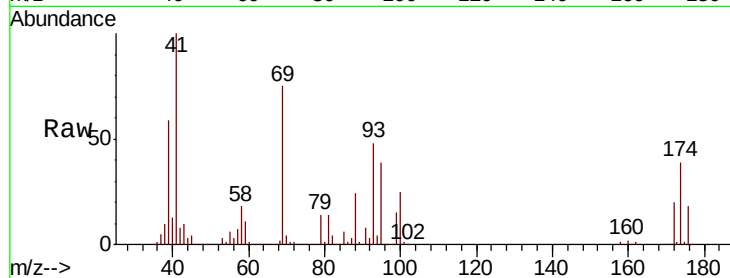
#49
1,4-Dioxane
Concen: 2930.912 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	234531		
43	38.1	31.0	46.6	
58	73.2	58.4	87.6	

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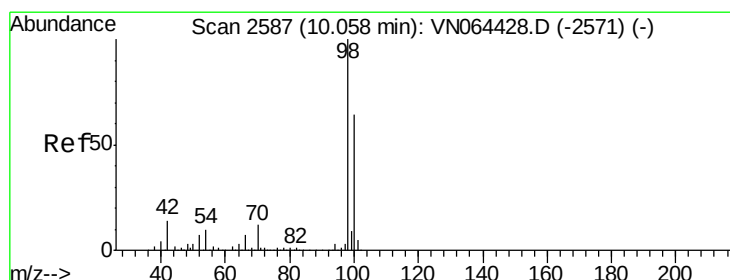
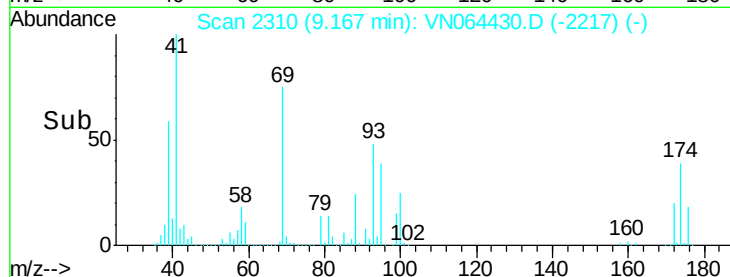
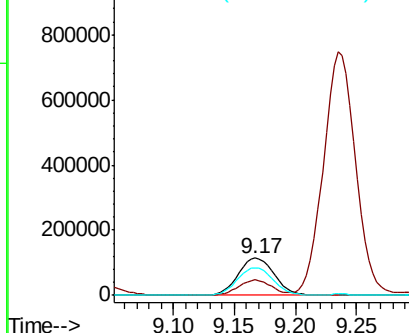


Abundance

Ion 88.00 (87.70 to 88.70): VN0

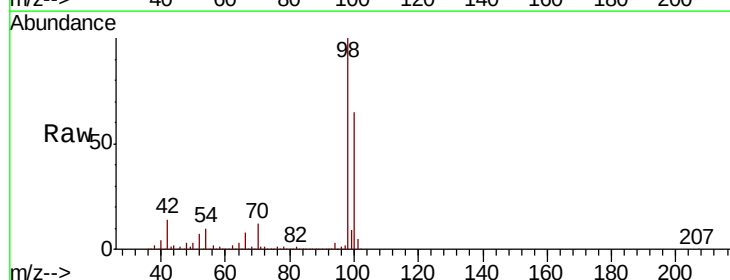
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 166.904 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

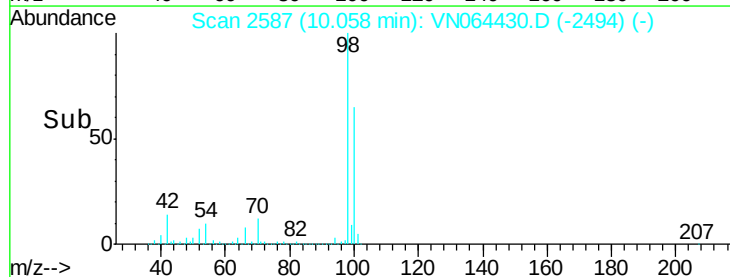
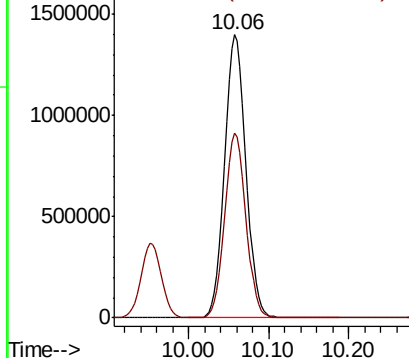
Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2560897		
100	64.8	50.7	76.1	

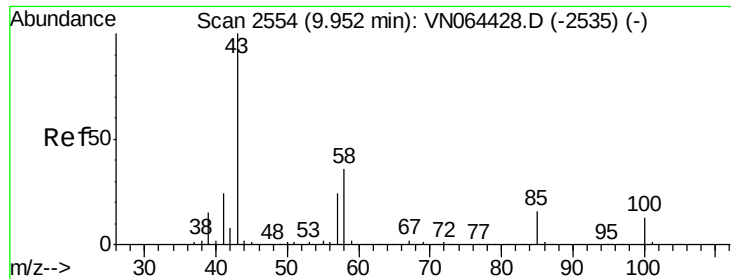


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 774.841 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 4869610

Ion Ratio Lower Upper

43 100

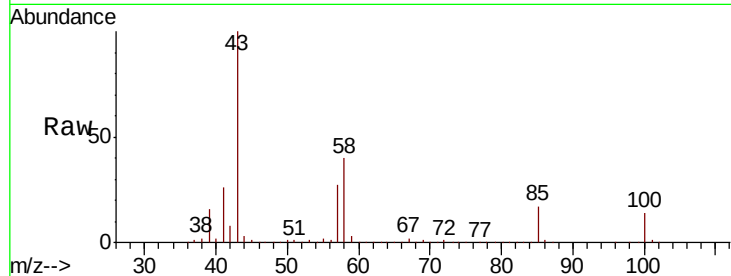
58 38.6 28.4 42.6

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Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN064428.D (-2535) (-)

9.95

2500000

2000000

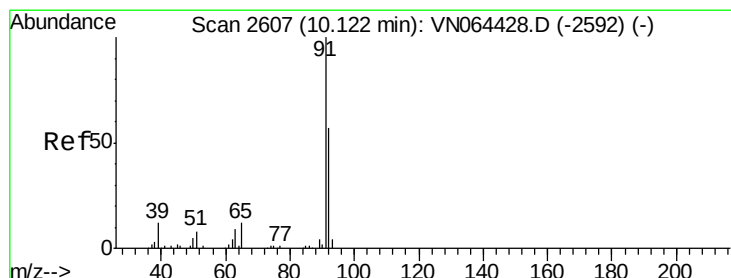
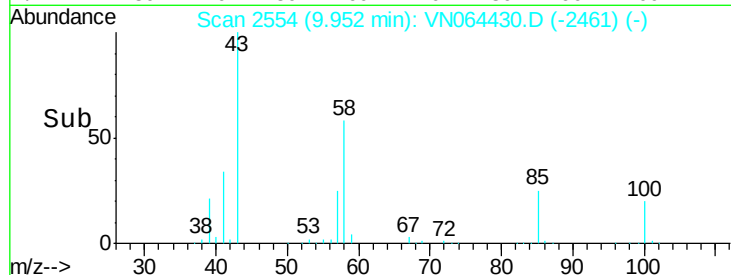
1500000

1000000

500000

0

Time-->



#52

Toluene

Concen: 165.533 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064430.D

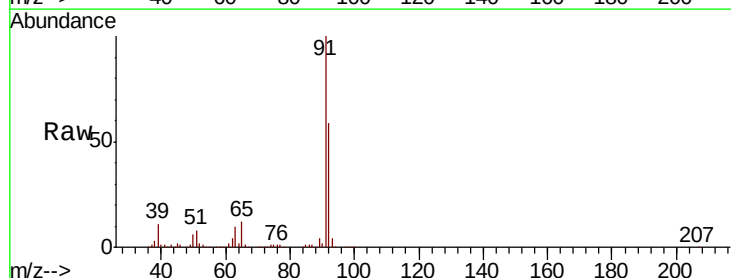
Acq: 4 Nov 2020 11:48

Tgt Ion: 92 Resp: 1845276

Ion Ratio Lower Upper

92 100

91 172.0 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN064428.D (-2592) (-)

Ion 91.00 (90.70 to 91.70): VN064428.D (-2592) (-)

10.12

2000000

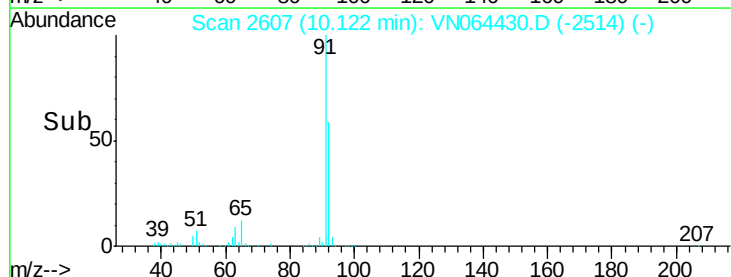
1500000

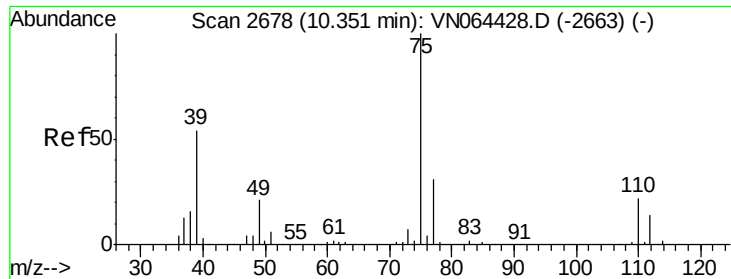
1000000

500000

0

Time-->





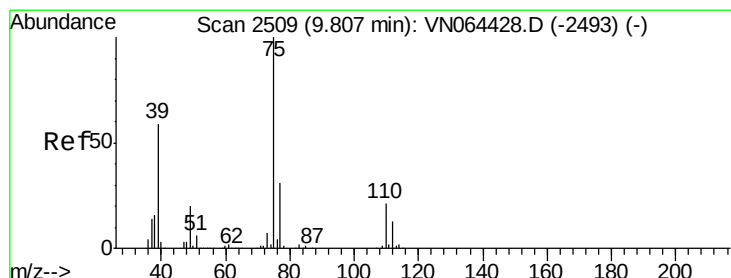
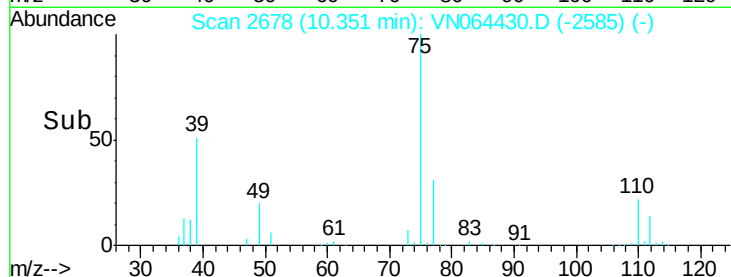
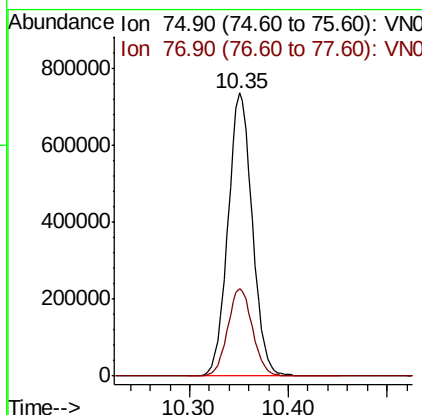
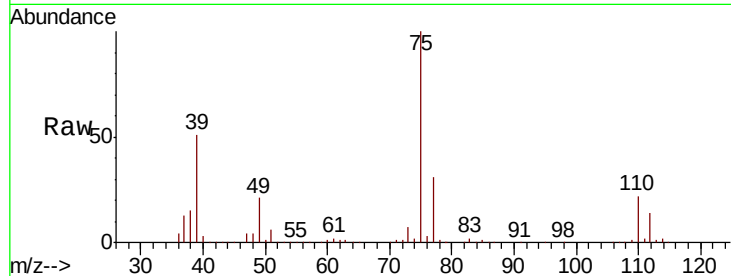
#53
t-1,3-Dichloropropene
Concen: 165.896 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1276284
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2

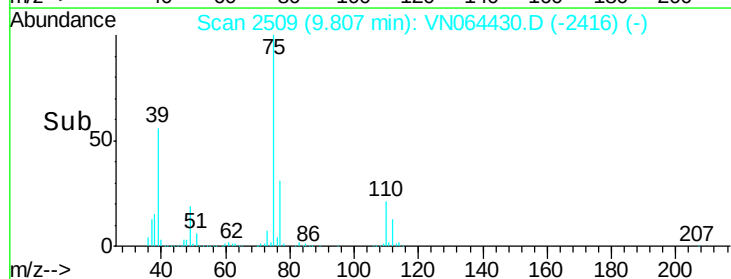
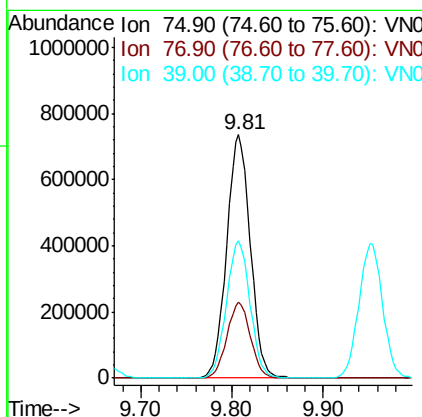
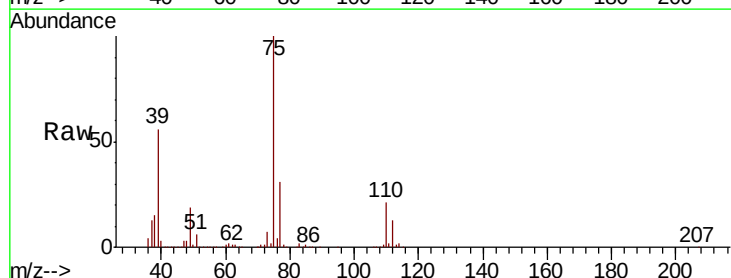
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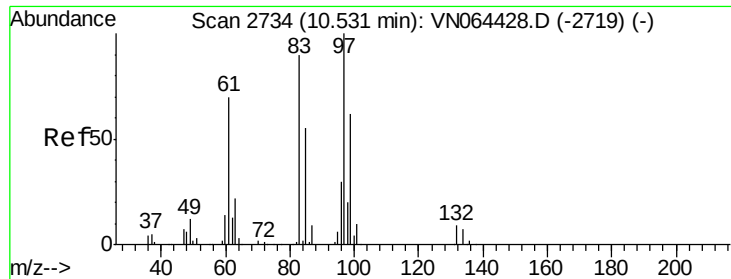
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#54
cis-1,3-Dichloropropene
Concen: 168.052 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion: 75 Resp: 1329858
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3
39 56.4 47.1 70.7





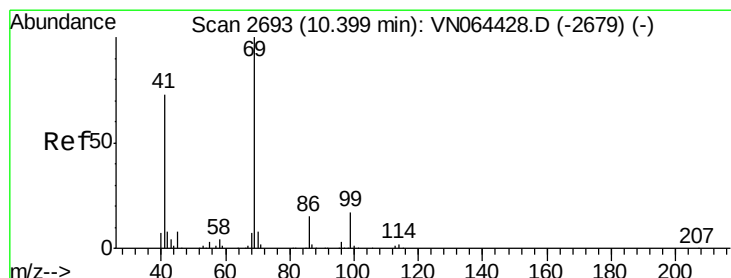
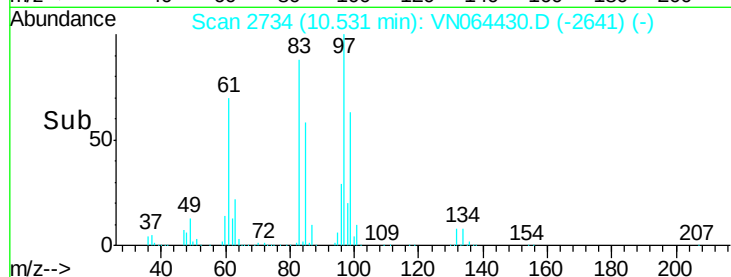
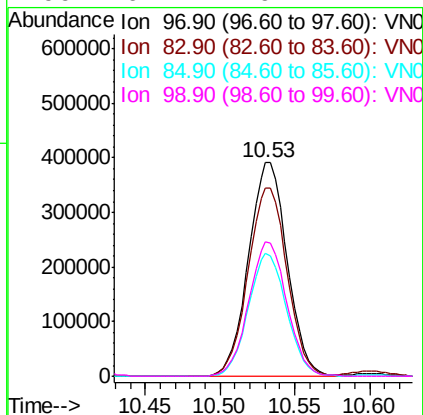
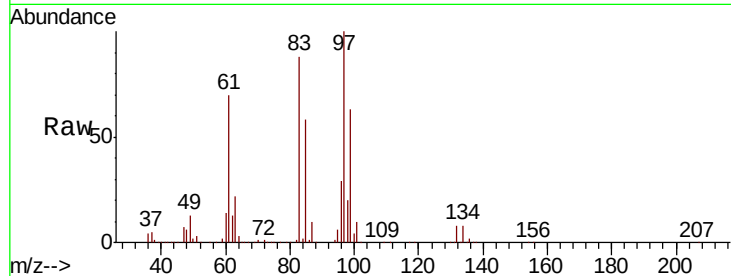
#55
 1,1,2-Trichloroethane
 Concen: 160.267 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	701669
Ion	Ratio	Lower	Upper
97	100		
83	88.4	71.7	107.5
85	57.8	44.3	66.5
99	62.7	49.4	74.2

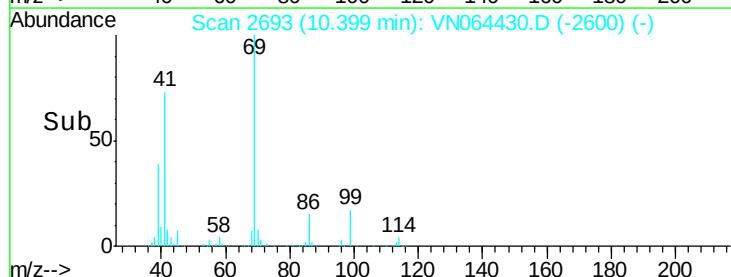
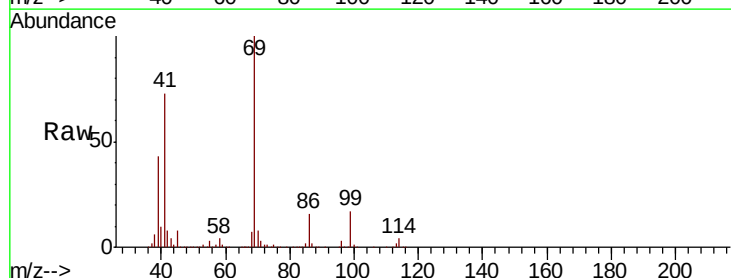
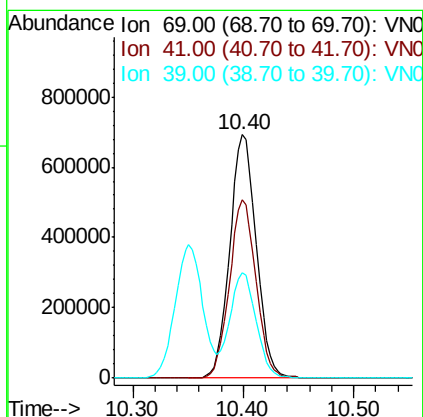
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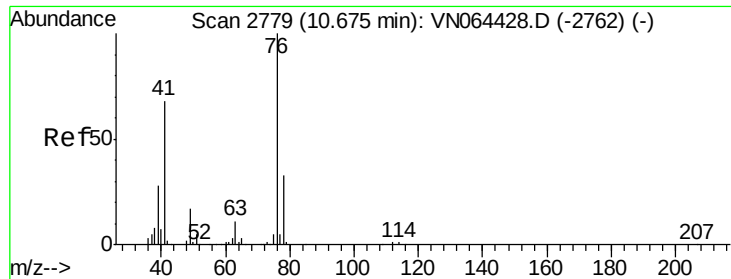
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#56
 Ethyl methacrylate
 Concen: 174.964 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Tgt Ion:	69	Resp:	1154670
Ion	Ratio	Lower	Upper
69	100		
41	72.6	59.3	88.9
39	42.8	35.4	53.0





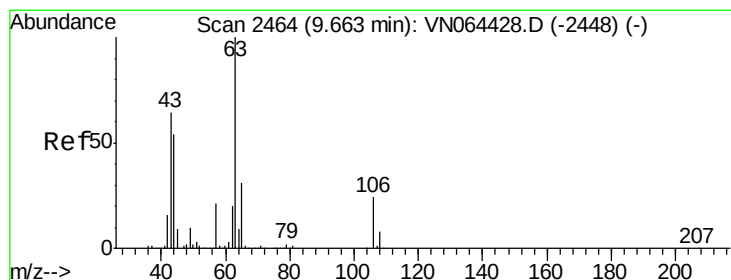
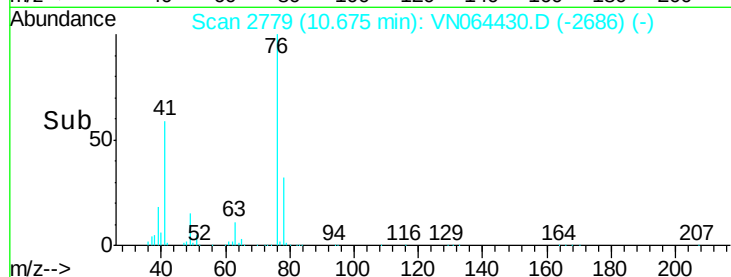
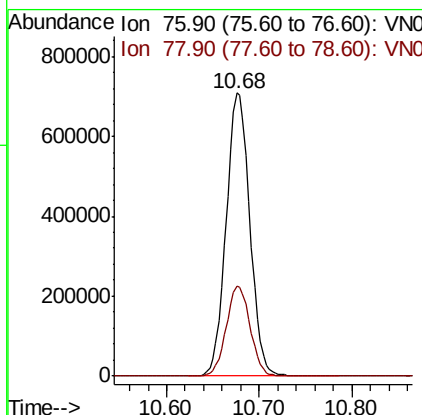
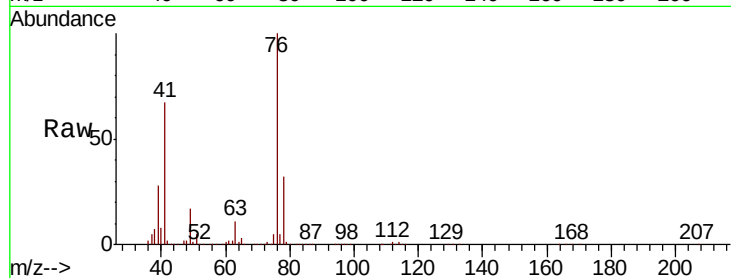
#57
 1,3-Dichloropropane
 Concen: 167.784 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 1252715
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.8 38.6

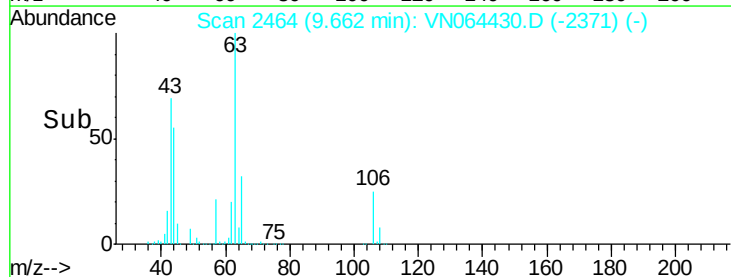
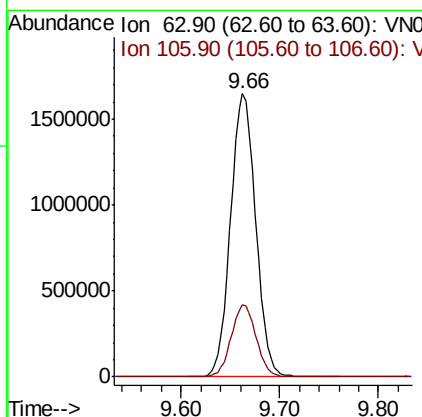
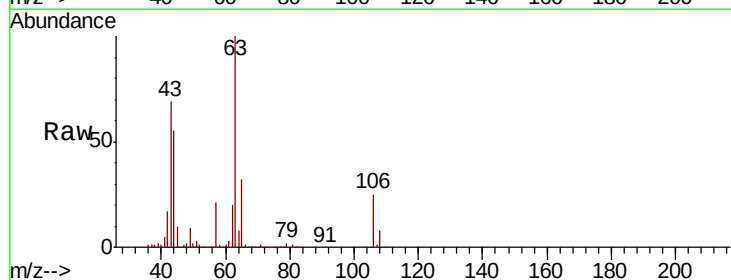
Manual Integrations
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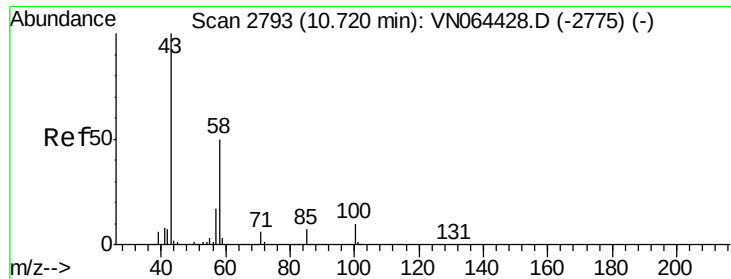
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#58
 2-Chloroethyl Vinyl ether
 Concen: 848.397 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Tgt Ion: 63 Resp: 2913035
 Ion Ratio Lower Upper
 63 100
 106 25.2 19.5 29.3





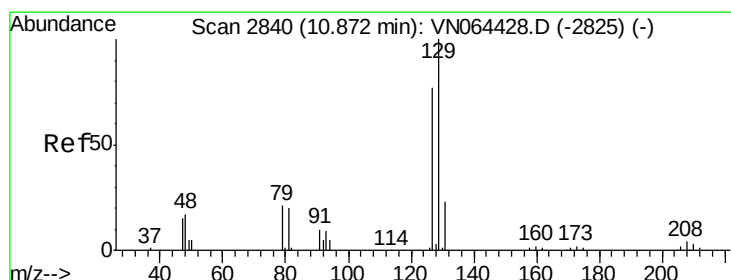
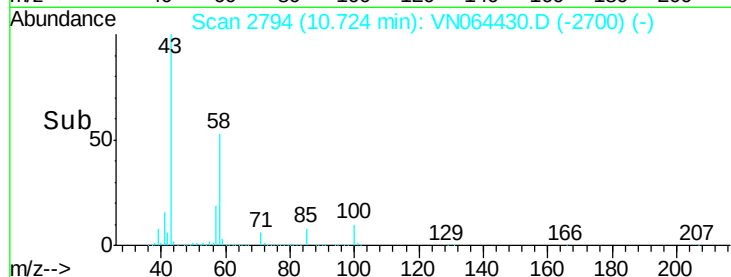
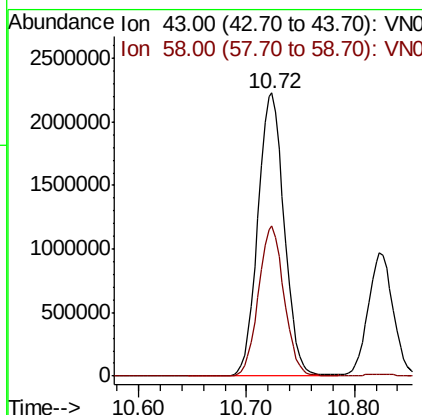
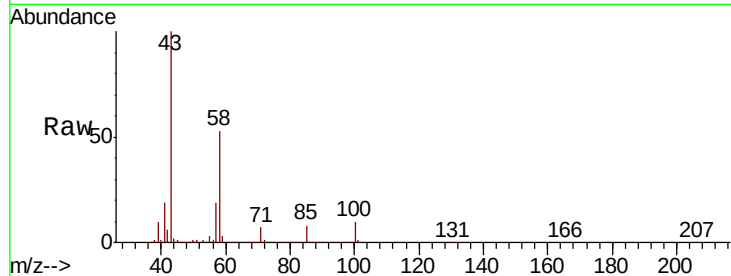
#59
2-Hexanone
Concen: 815.213 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3765445
Ion Ratio Lower Upper
43 100
58 51.7 24.7 74.1

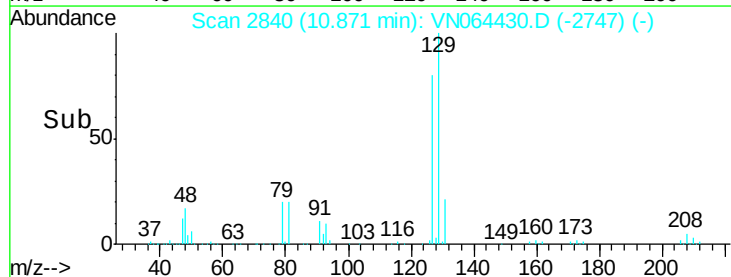
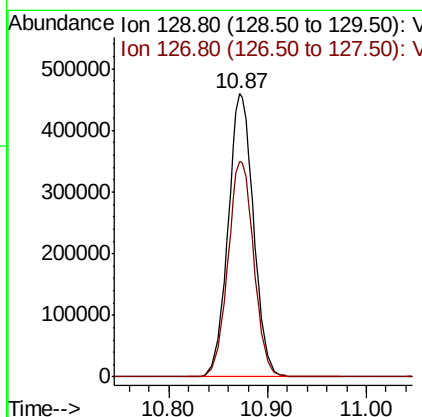
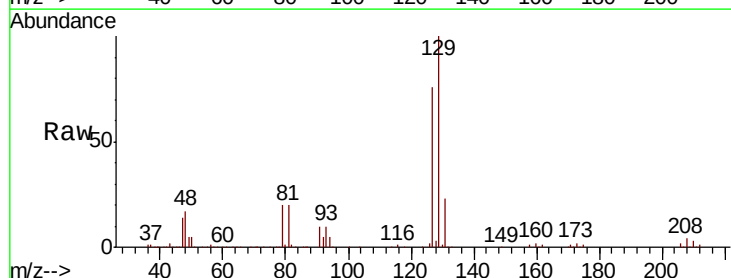
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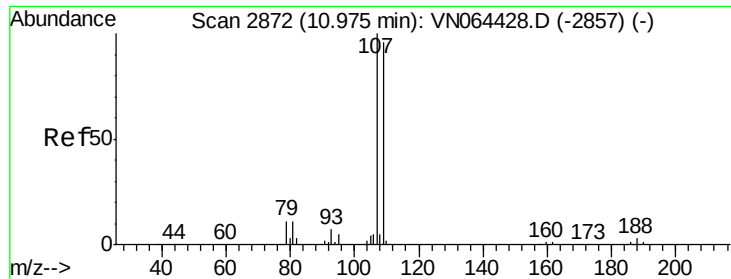
MMDadoda
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#60
Dibromochloromethane
Concen: 162.284 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion: 129 Resp: 827238
Ion Ratio Lower Upper
129 100
127 77.4 38.9 116.7





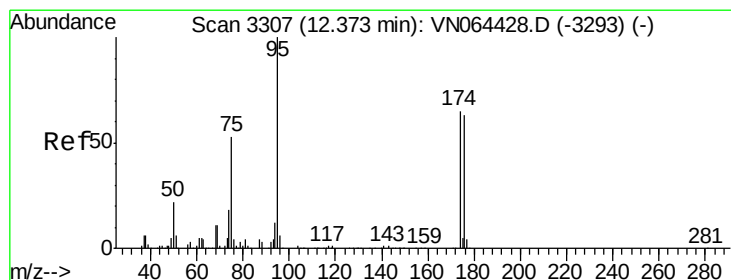
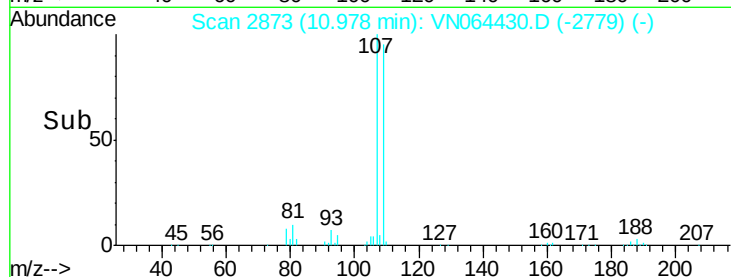
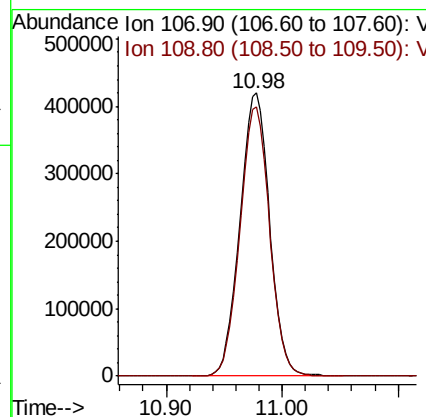
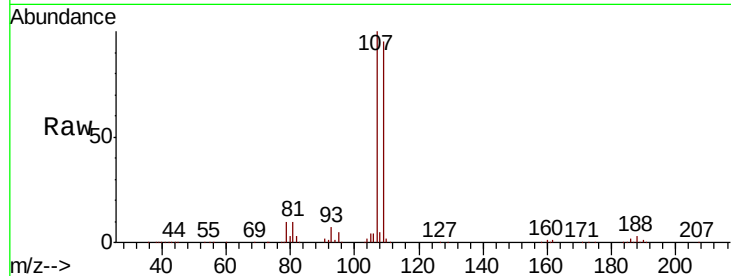
#61
 1,2-Dibromoethane
 Concen: 167.358 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:107 Resp: 741970
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.9 113.9

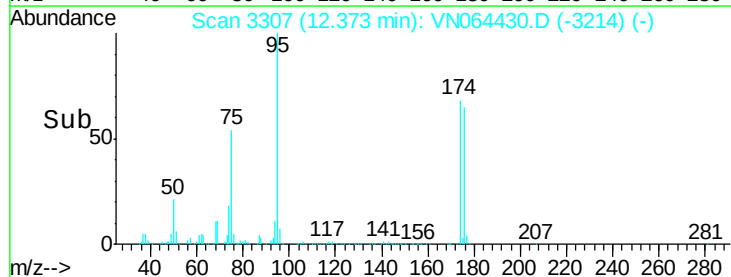
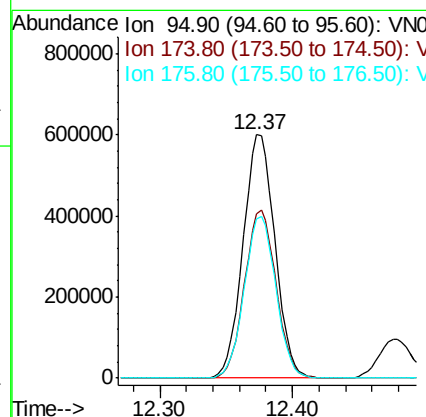
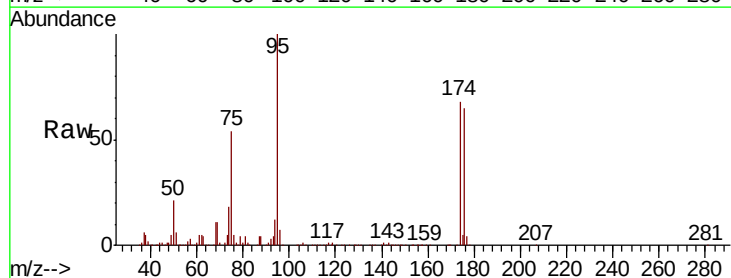
Manual Integrations
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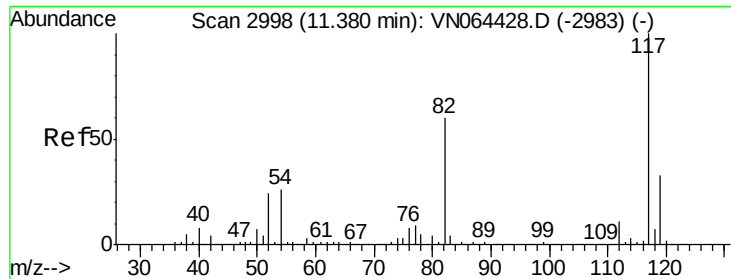
MMDadoda
 11/5/2020 2:19:21 PM



#62
 4-Bromofluorobenzene
 Concen: 168.541 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Tgt Ion: 95 Resp: 1001876
 Ion Ratio Lower Upper
 95 100
 174 68.5 0.0 132.6
 176 66.2 0.0 129.2





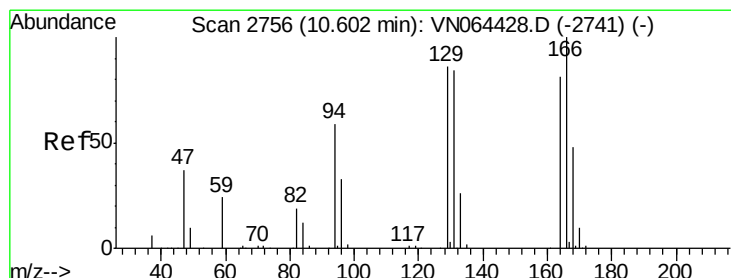
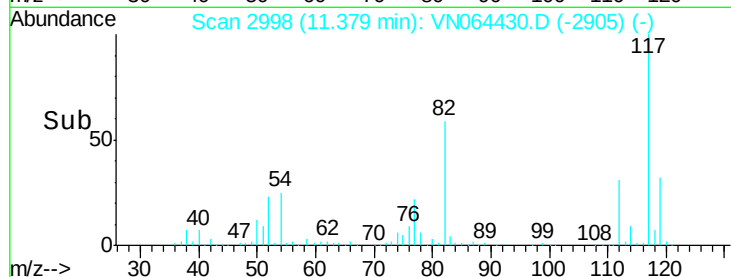
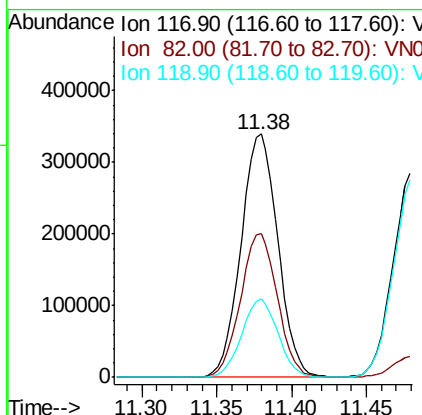
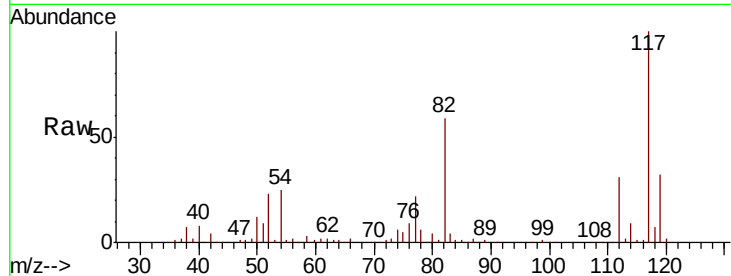
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.1	48.1	72.1
119	32.2	26.2	39.4

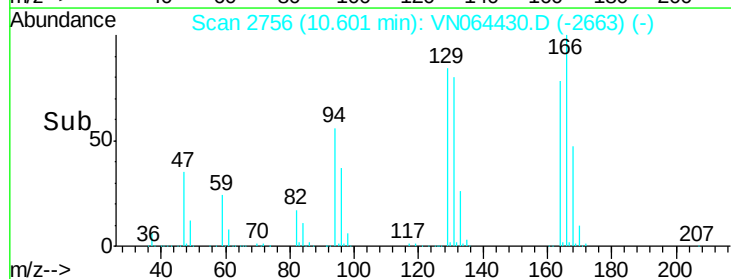
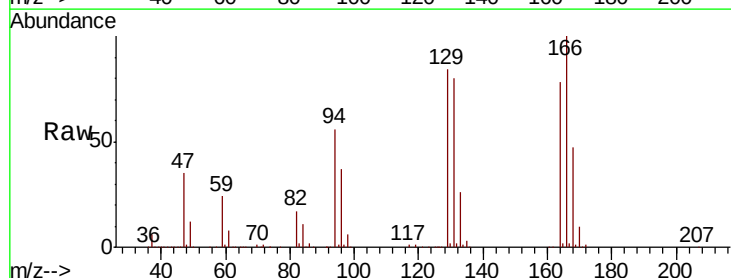
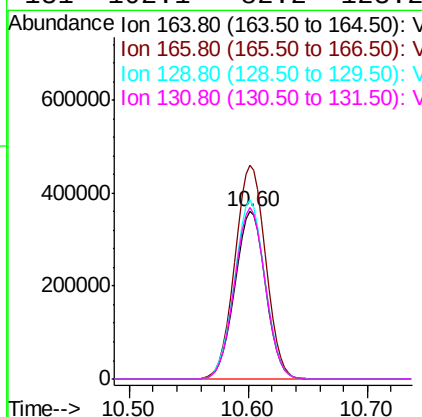
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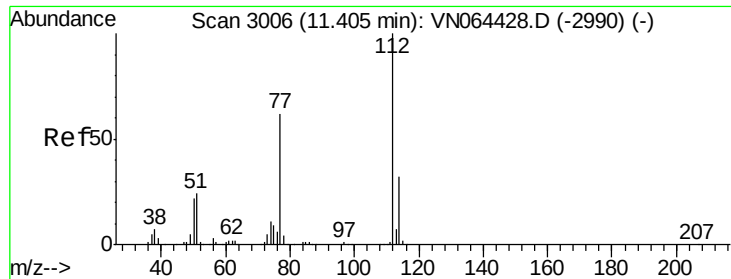
MMDadoda
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#64
Tetrachloroethene
Concen: 134.723 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	98.2	147.2
129	107.0	84.6	127.0
131	102.1	82.2	123.2





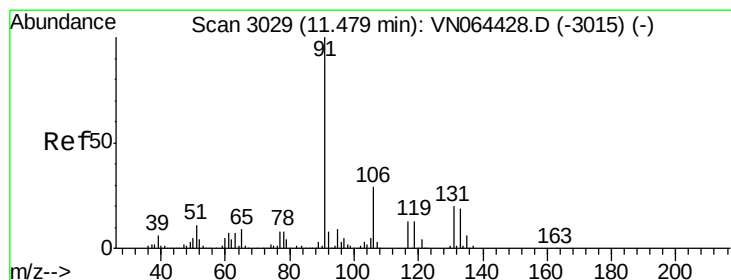
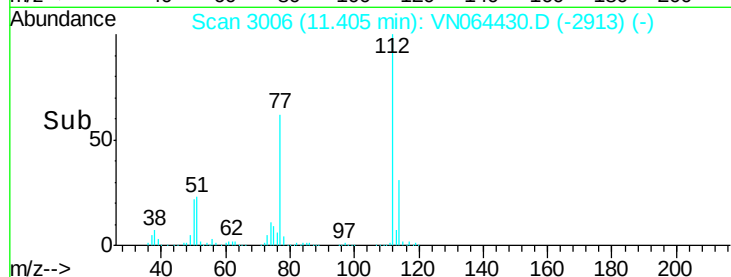
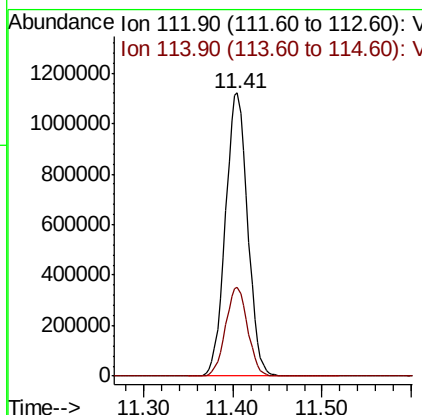
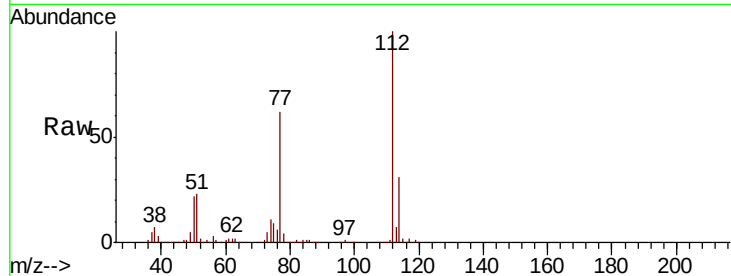
#65
Chlorobenzene
Concen: 160.179 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1933720
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4

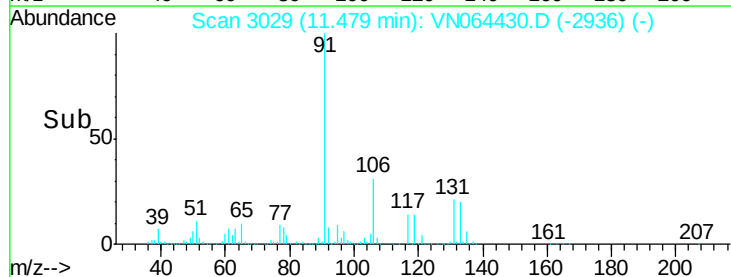
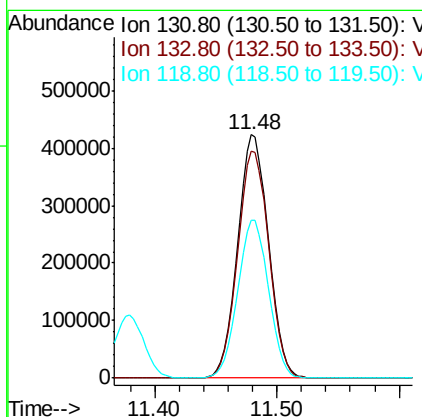
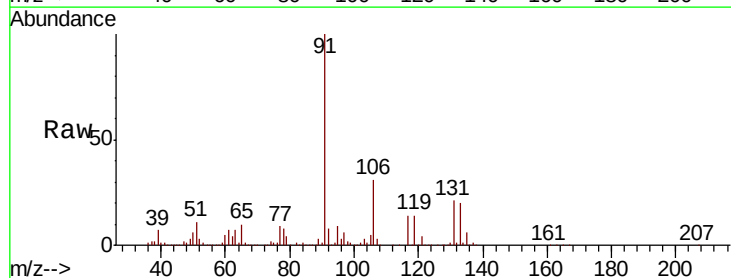
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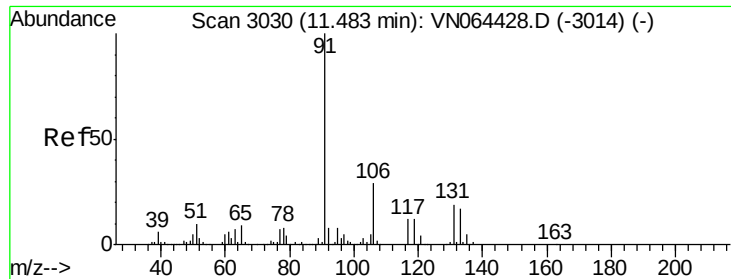
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#66
1,1,1,2-Tetrachloroethane
Concen: 152.228 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion:131 Resp: 735248
Ion Ratio Lower Upper
131 100
133 94.8 46.9 140.7
119 65.0 32.1 96.5





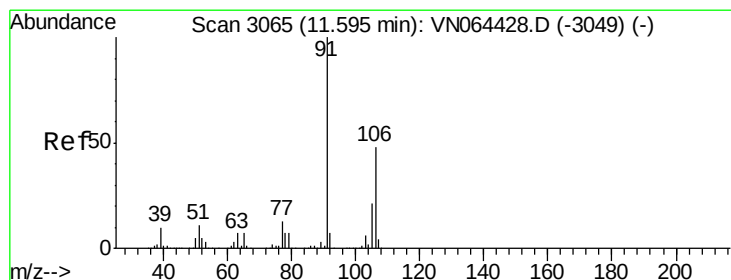
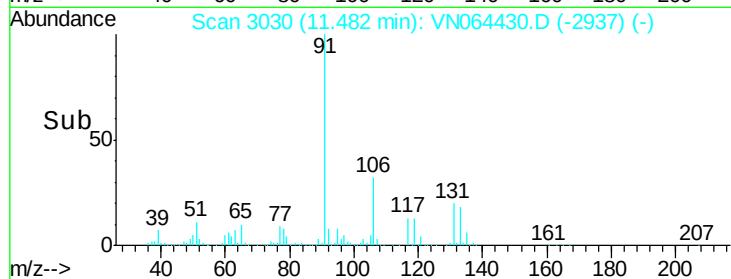
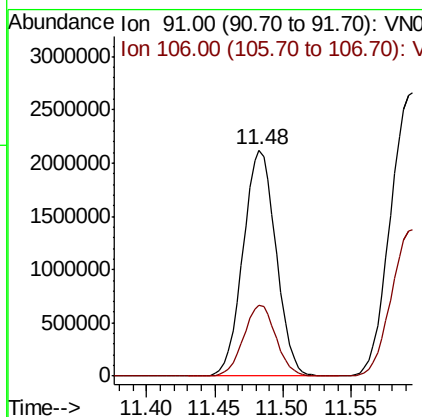
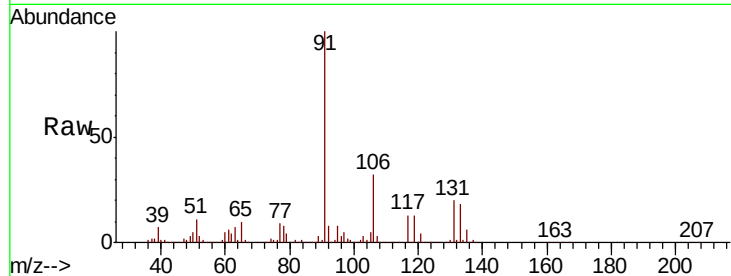
#67
Ethyl Benzene
Concen: 158.580 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 3556361
Ion Ratio Lower Upper
91 100
106 31.5 23.6 35.4

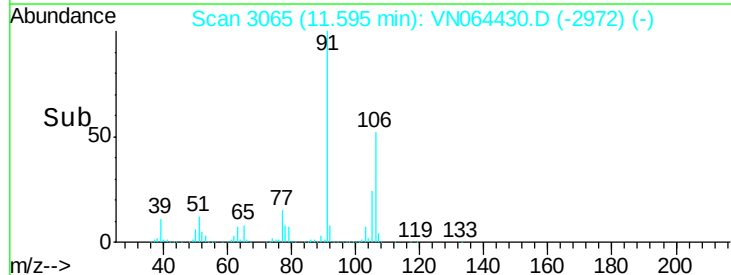
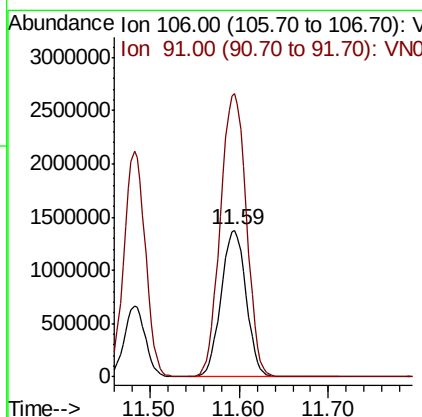
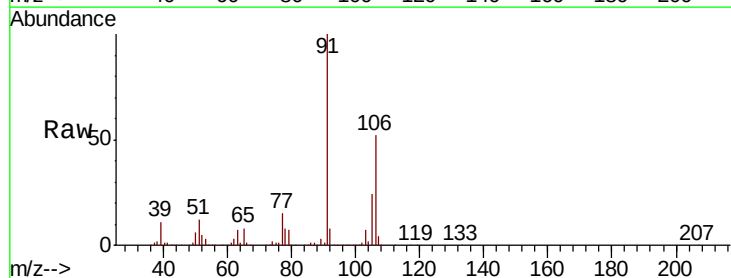
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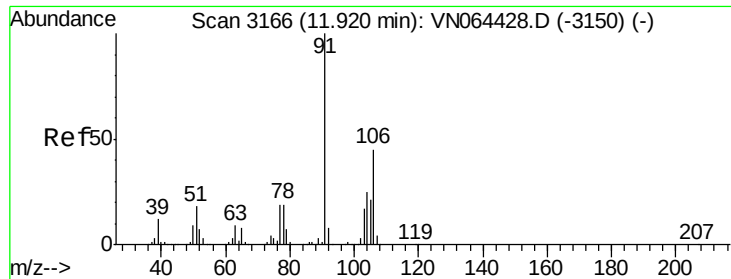
MMDadoda
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#68
m/p-Xylenes
Concen: 321.820 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion: 106 Resp: 2670494
Ion Ratio Lower Upper
106 100
91 201.3 169.4 254.2





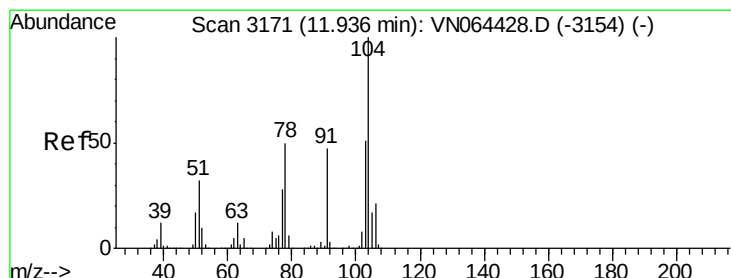
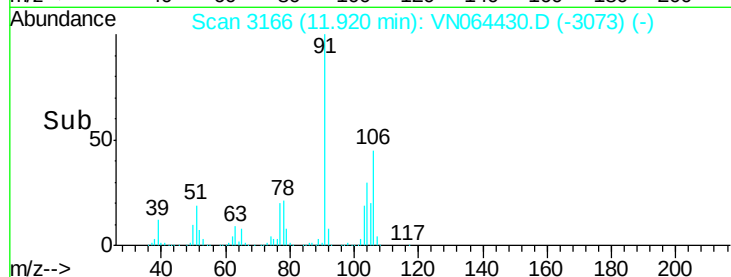
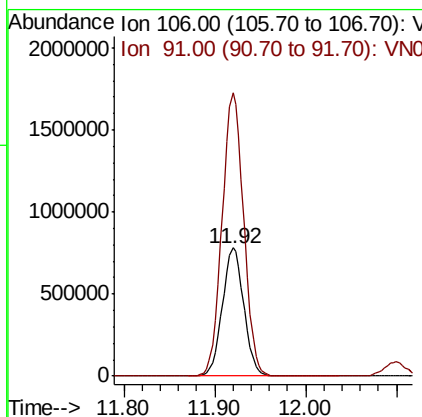
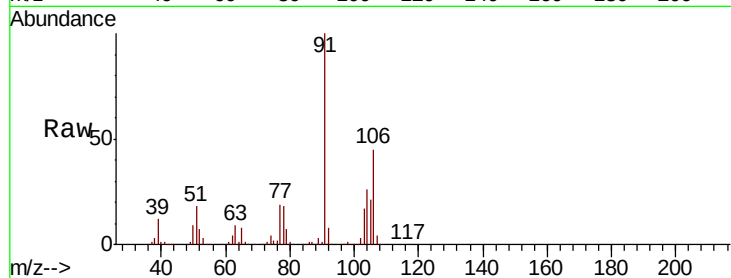
#69
o-Xylene
Concen: 159.850 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 1279307
Ion Ratio Lower Upper
106 100
91 221.6 111.7 334.9

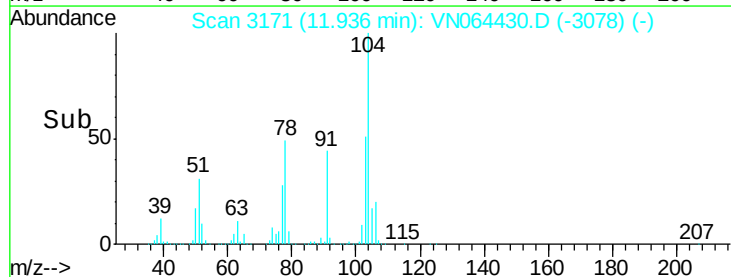
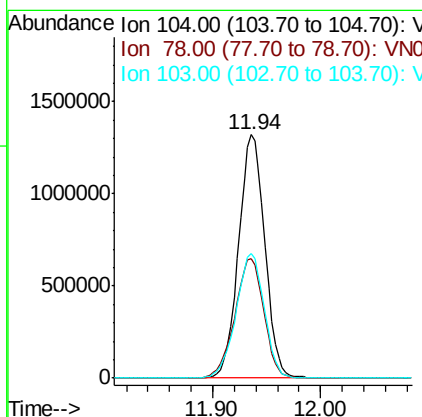
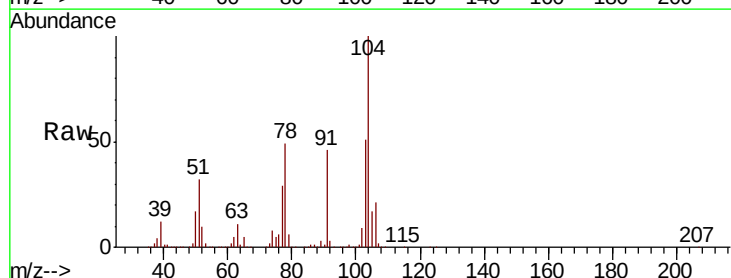
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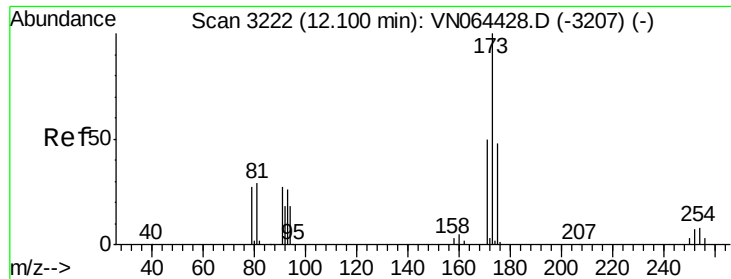
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#70
Styrene
Concen: 170.717 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion:104 Resp: 2239331
Ion Ratio Lower Upper
104 100
78 54.2 44.0 66.0
103 55.1 43.8 65.6





#71

Bromoform

Concen: 147.229 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

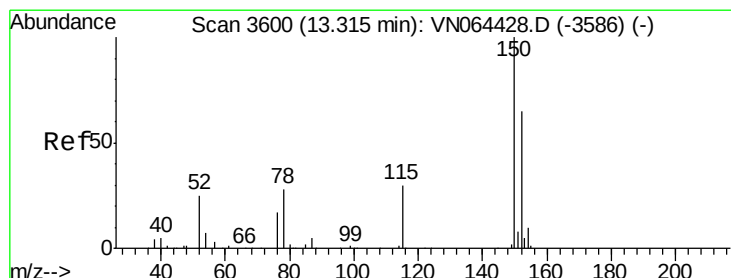
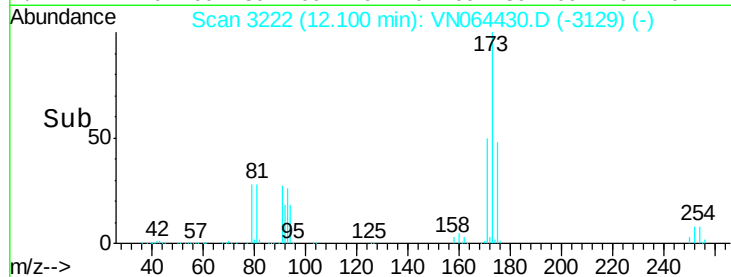
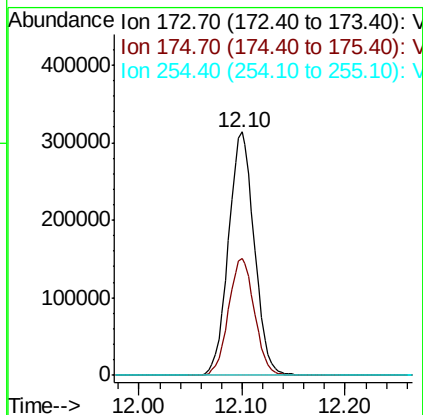
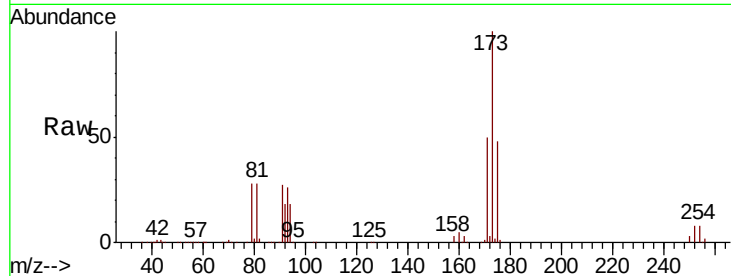
ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 546743
 Ion Ratio Lower Upper
 173 100
 175 48.4 23.7 71.1
 254 0.1 0.0 0.0#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

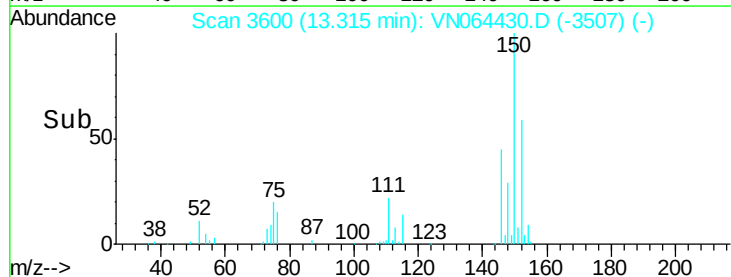
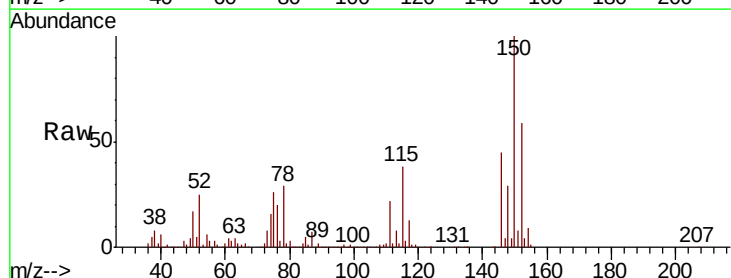
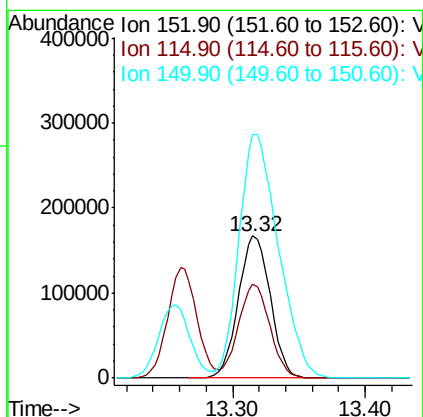
RT: 13.32 min Scan# 3600

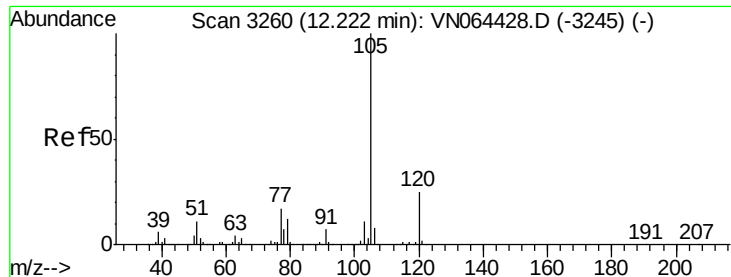
Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Tgt Ion:152 Resp: 280476
 Ion Ratio Lower Upper
 152 100
 115 64.3 32.0 96.0
 150 211.7 0.0 353.8





#73

Isopropylbenzene

Concen: 153.574 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3296570

Ion Ratio Lower Upper

105 100

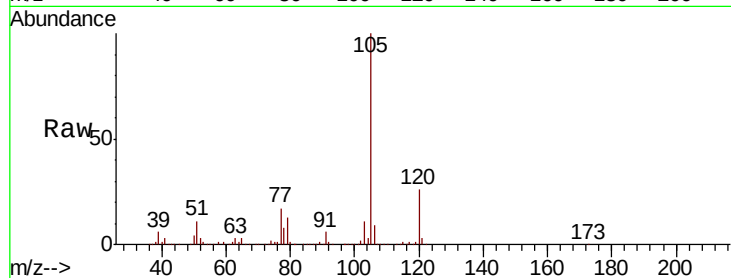
120 26.1 12.8 38.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

2000000

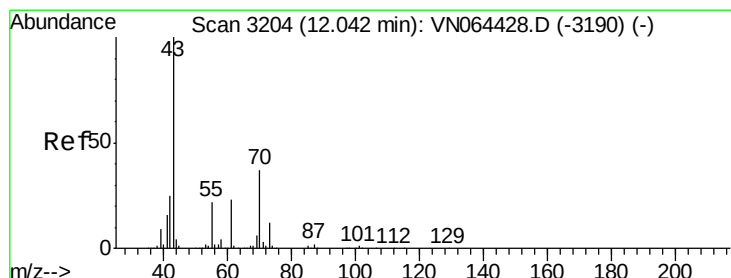
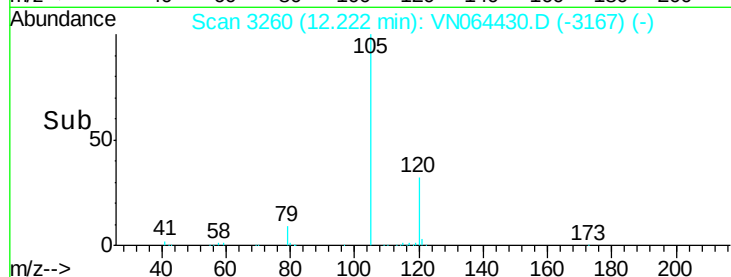
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 175.611 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Tgt Ion: 43 Resp: 1654904

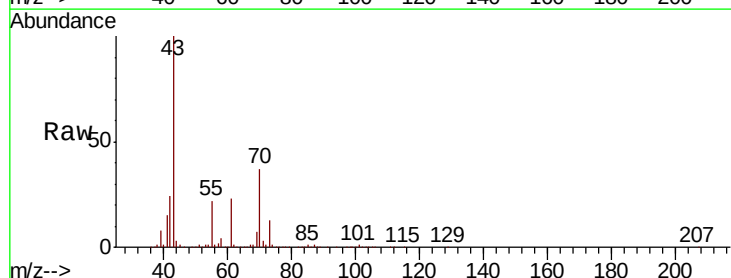
Ion Ratio Lower Upper

43 100

70 37.6 29.6 44.4

55 22.4 18.4 27.6

61 22.7 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.04

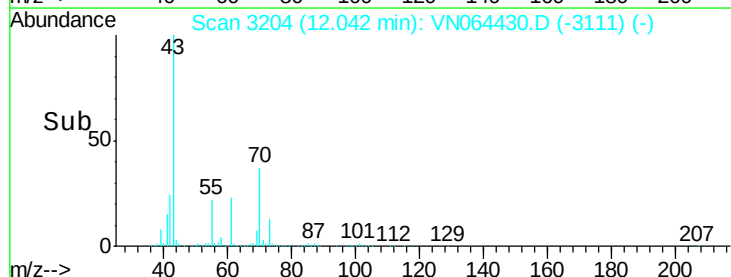
1500000

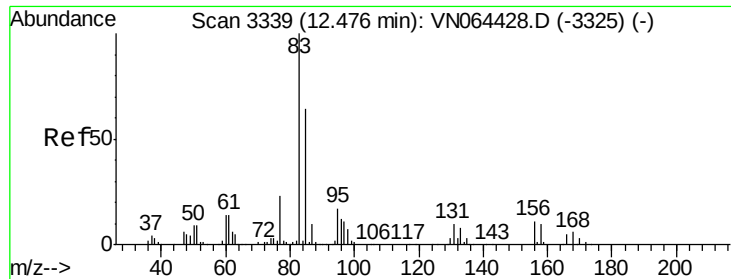
1000000

500000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 159.100 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 997227

Ion Ratio Lower Upper

83 100

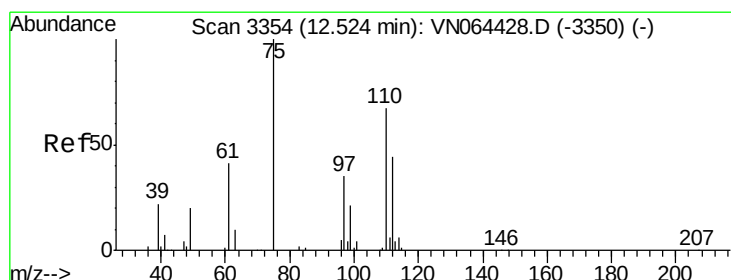
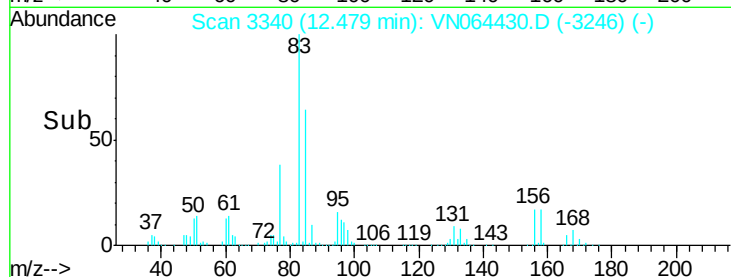
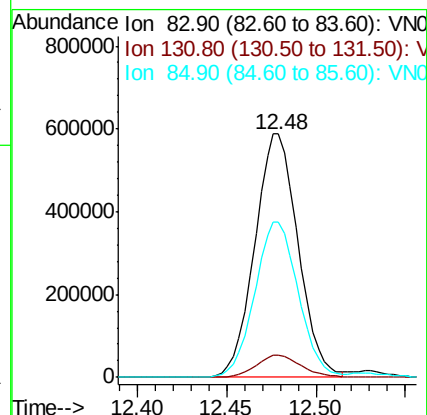
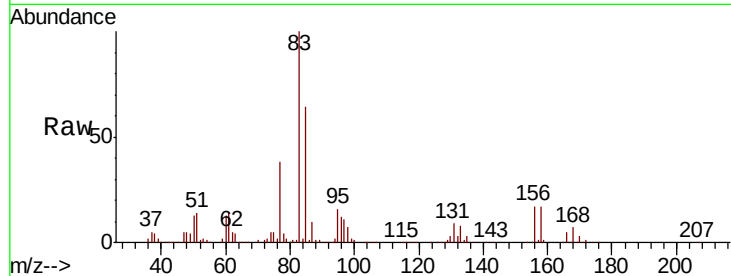
131 9.6 4.9 14.7

85 64.1 32.1 96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 141.459 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064430.D

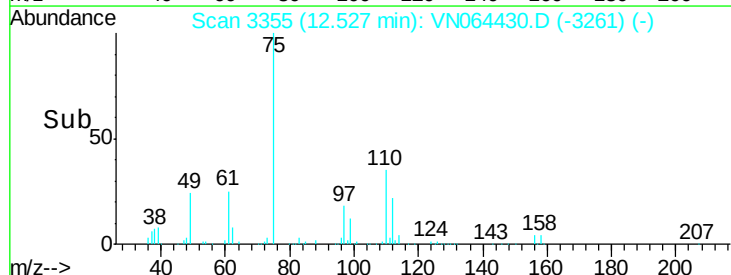
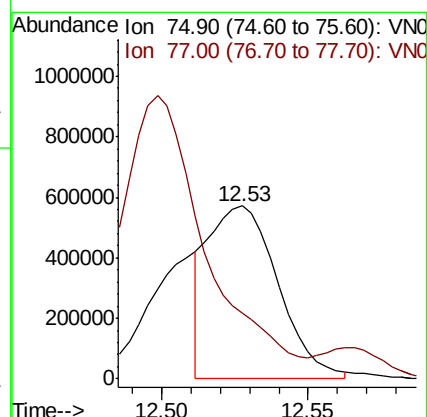
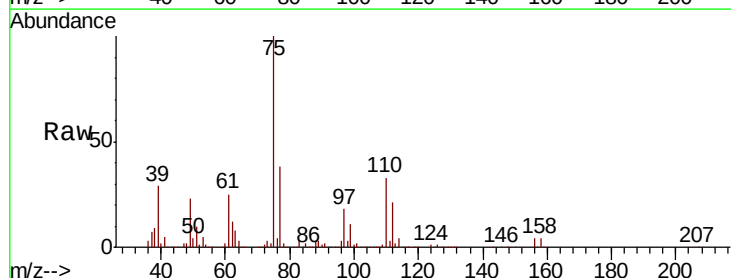
Acq: 4 Nov 2020 11:48

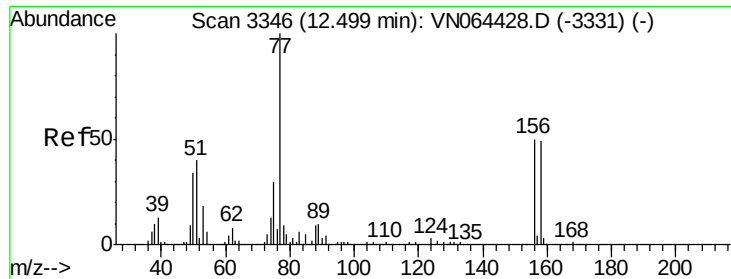
Tgt Ion: 75 Resp: 951059

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 151.717 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

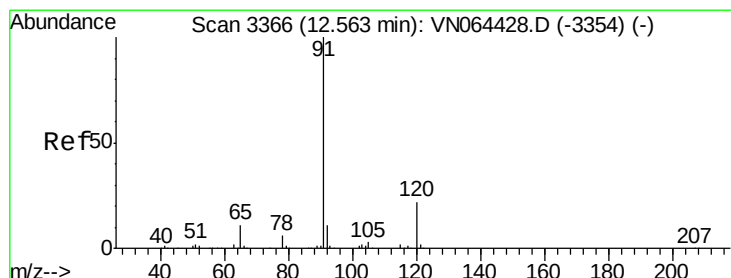
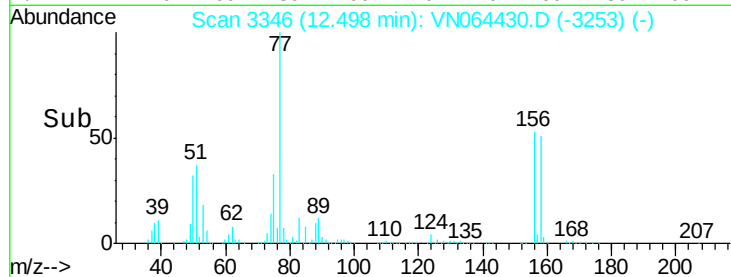
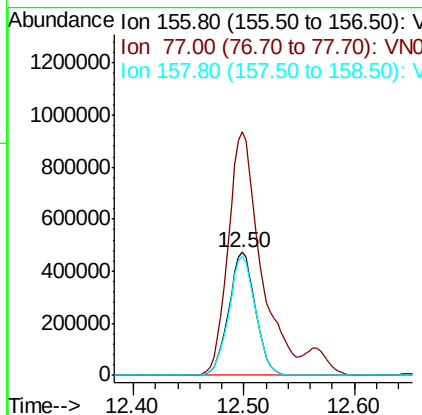
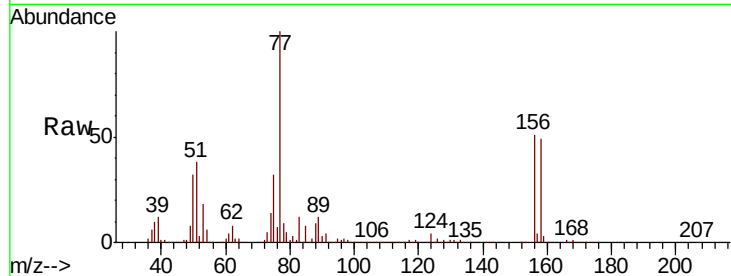
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	241.6	119.0	357.0	
158	97.1	48.4	145.3	

Manual Integrations
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#78

n-propylbenzene

Concen: 157.063 ug/l

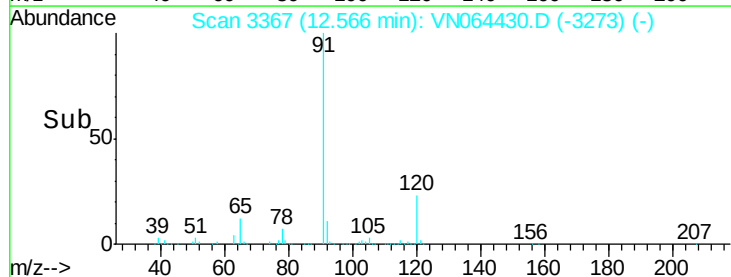
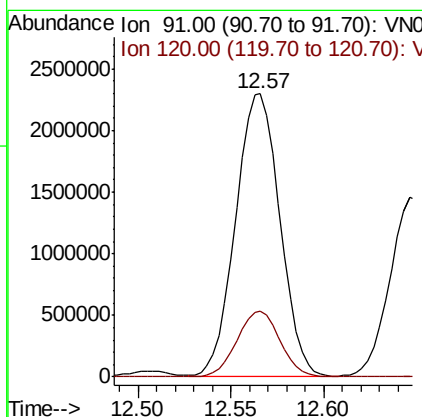
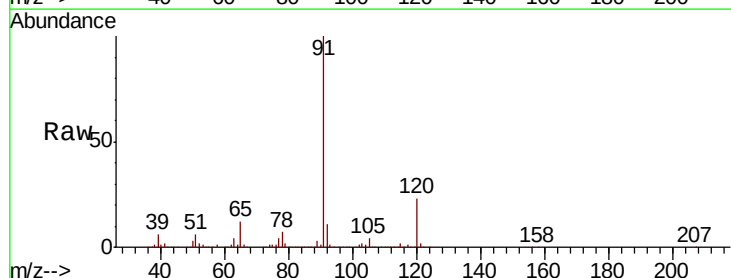
RT: 12.57 min Scan# 3367

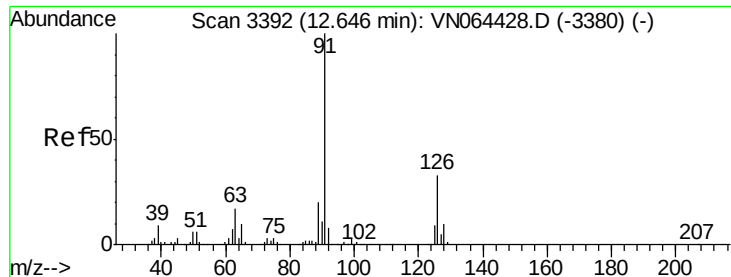
Delta R.T. 0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.5	11.0	33.0	





#79

2-Chlorotoluene

Concen: 155.666 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2408692

Ion Ratio Lower Upper

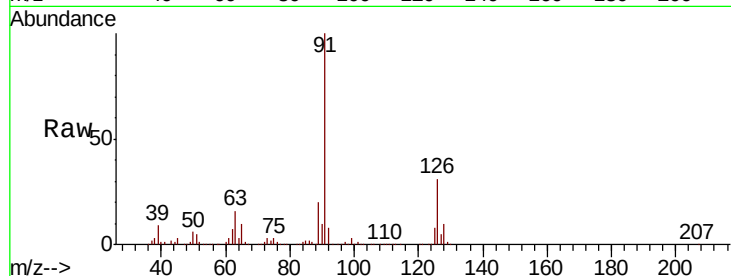
91 100

126 31.6 16.4 49.1

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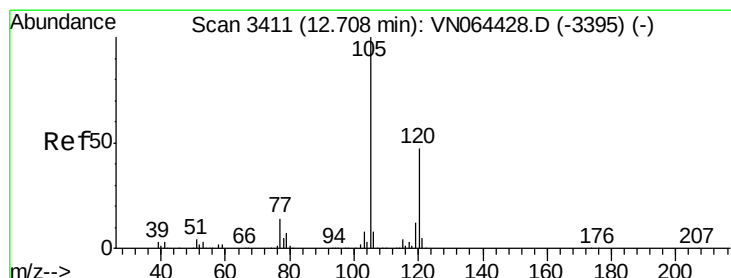
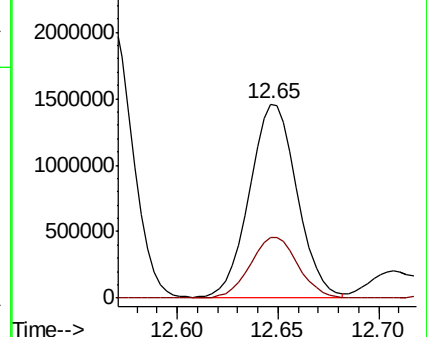
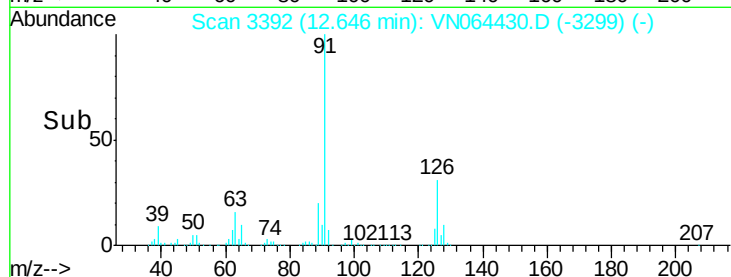
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Abundance Ion 91.00 (90.70 to 91.70): VN064430.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN064430.D (-3299) (-)



#80

1,3,5-Trimethylbenzene

Concen: 154.017 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064430.D

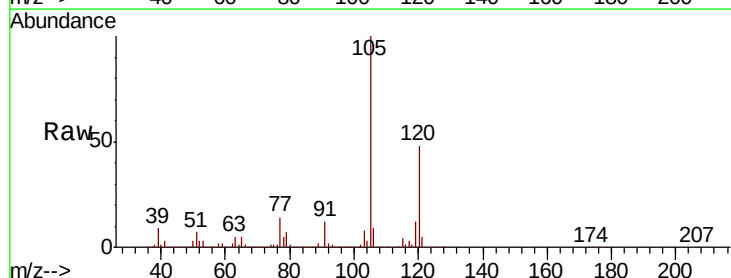
Acq: 4 Nov 2020 11:48

Tgt Ion:105 Resp: 2784217

Ion Ratio Lower Upper

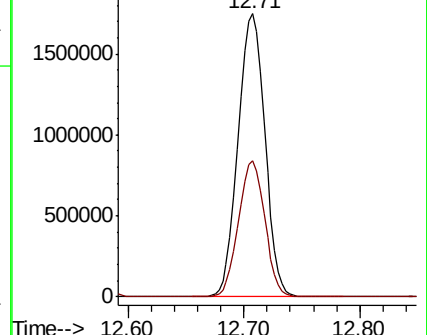
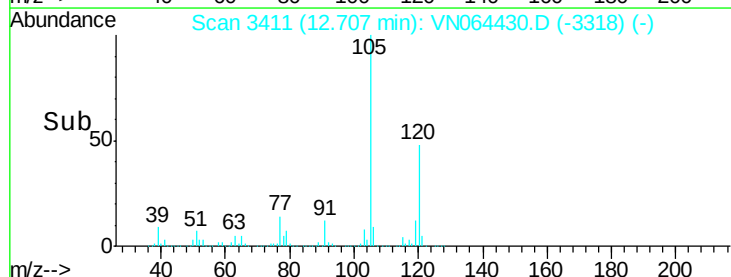
105 100

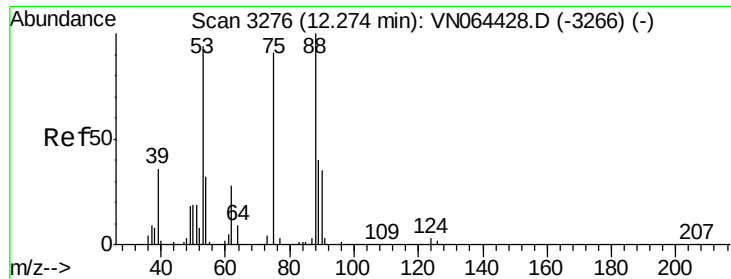
120 47.3 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064430.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064430.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 166.989 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

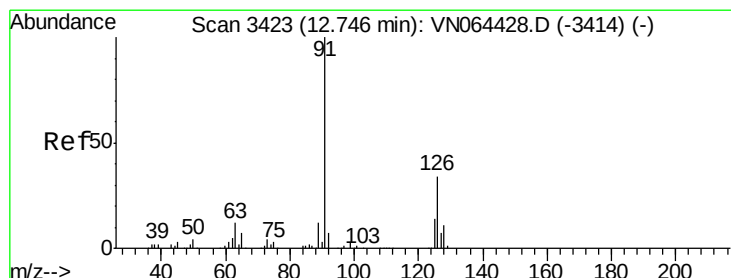
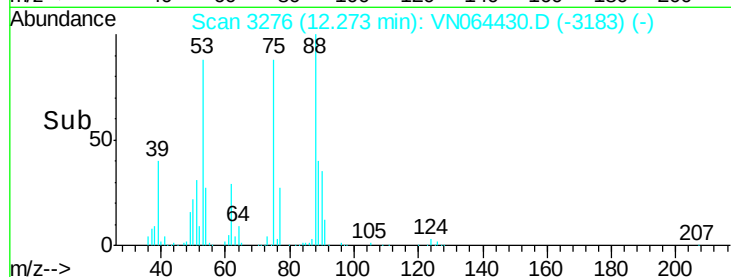
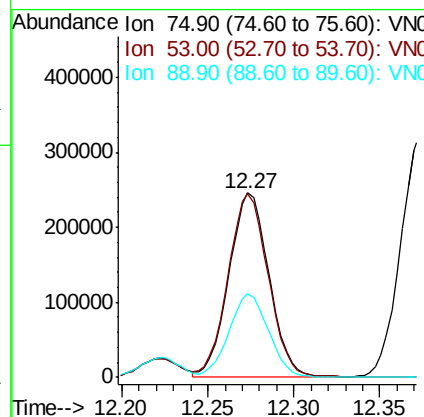
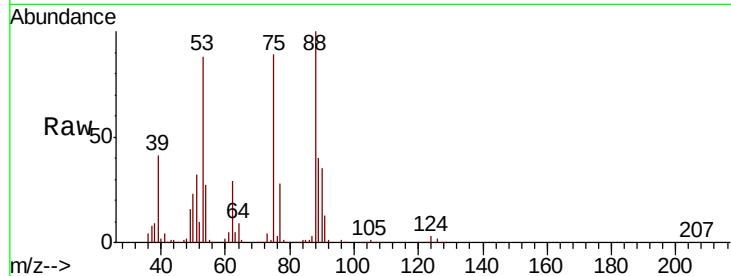
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	394767
Ion Ratio	Lower	Upper	
75	100		
53	100.8	84.0	126.0
89	45.5	36.3	54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 161.755 ug/l

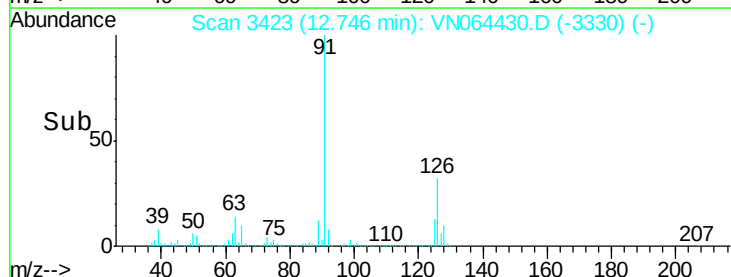
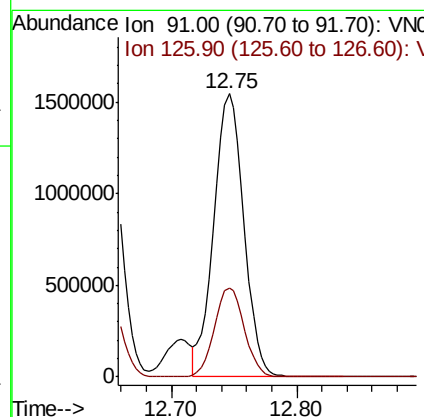
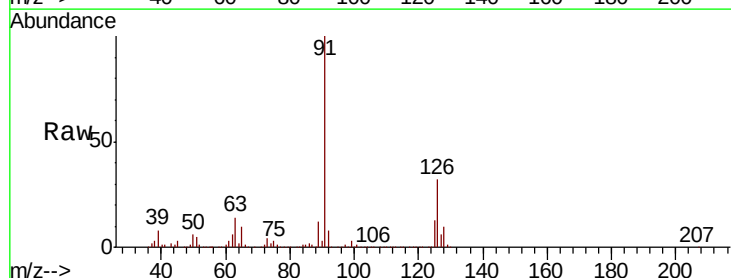
RT: 12.75 min Scan# 3423

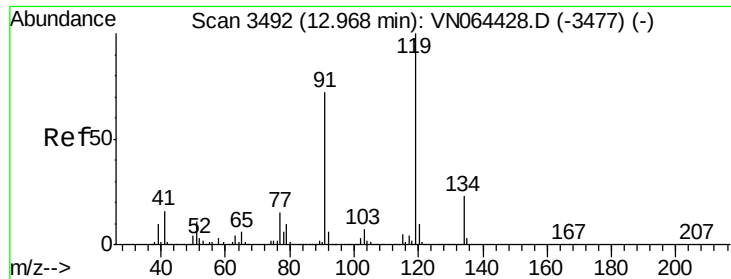
Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Tgt Ion:	91	Resp:	2565844
Ion Ratio	Lower	Upper	
91	100		
126	31.2	15.4	46.2





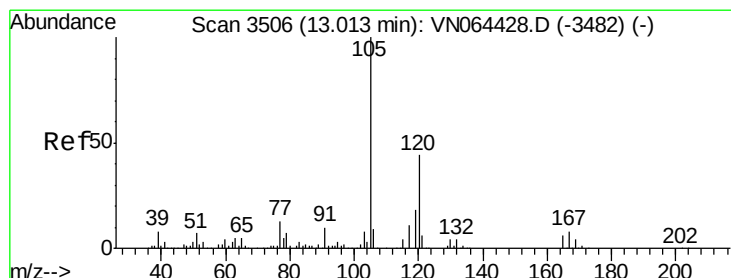
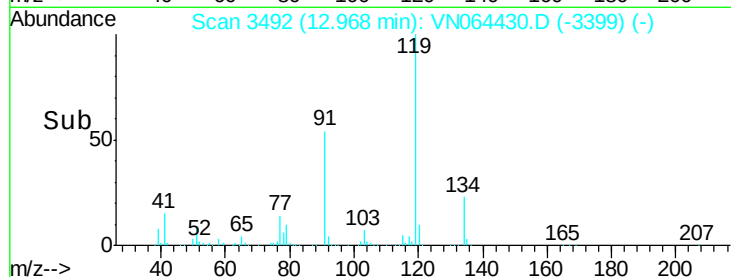
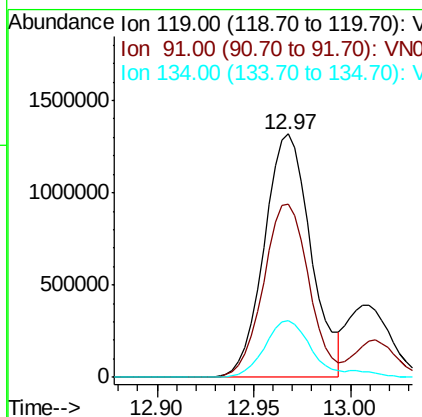
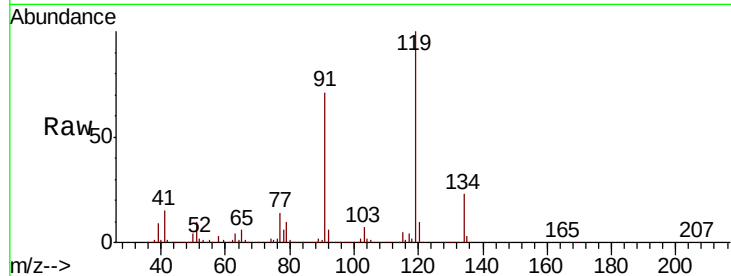
#83
 tert-Butylbenzene
 Concen: 150.346 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 2209346
 Ion Ratio Lower Upper
 119 100
 91 69.2 36.1 108.3
 134 22.8 11.7 35.1

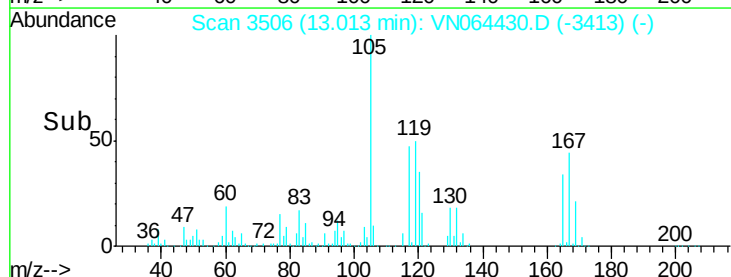
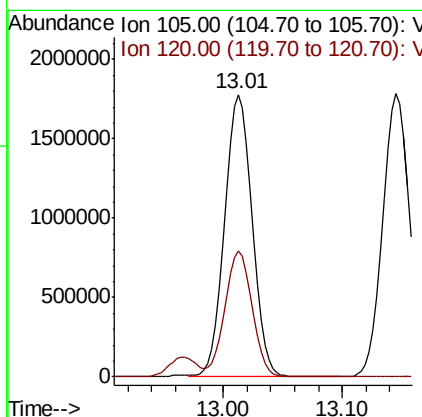
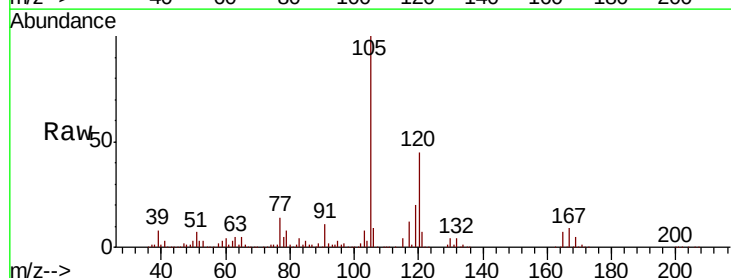
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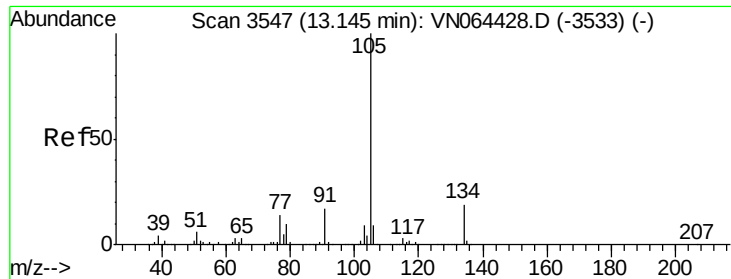
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#84
 1,2,4-Trimethylbenzene
 Concen: 157.425 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Tgt Ion:105 Resp: 2847525
 Ion Ratio Lower Upper
 105 100
 120 44.2 21.9 65.7





#85

sec-Butylbenzene

Concen: 147.496 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion:105 Resp: 2814432

Ion Ratio Lower Upper

105 100

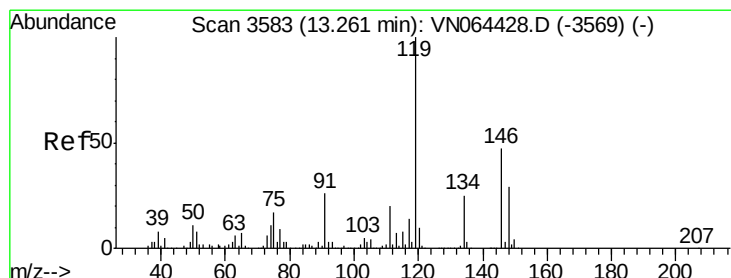
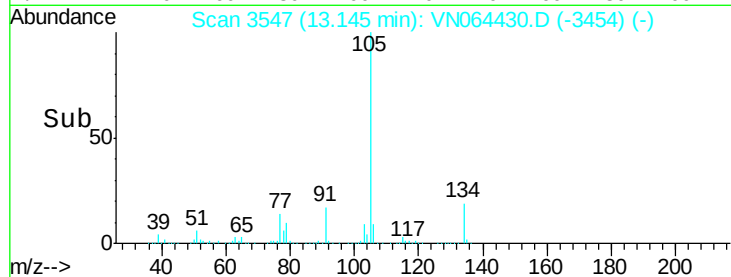
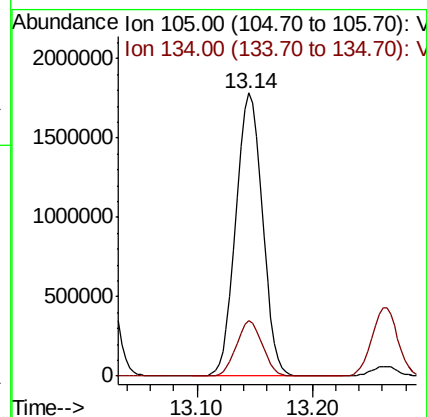
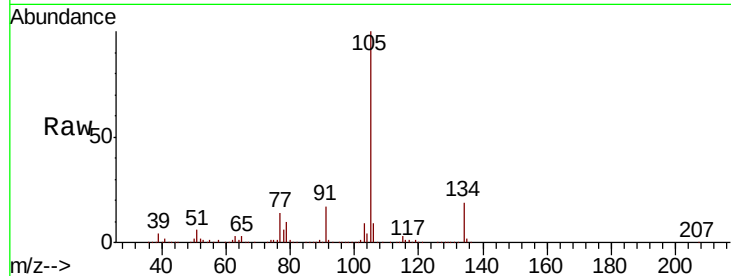
134 19.1 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 152.024 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

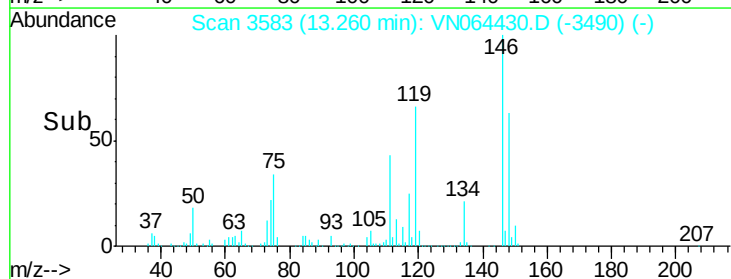
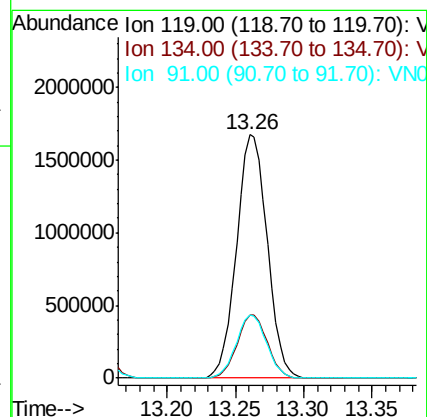
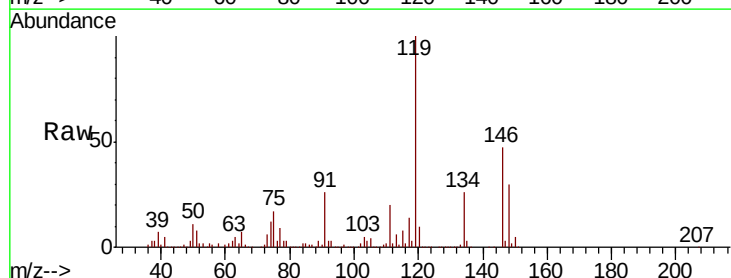
Tgt Ion:119 Resp: 2605799

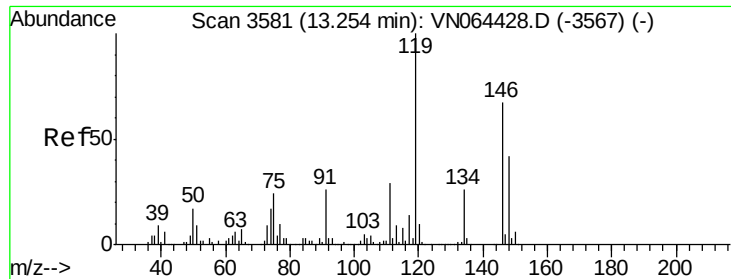
Ion Ratio Lower Upper

119 100

134 25.6 12.6 37.6

91 25.8 12.8 38.3





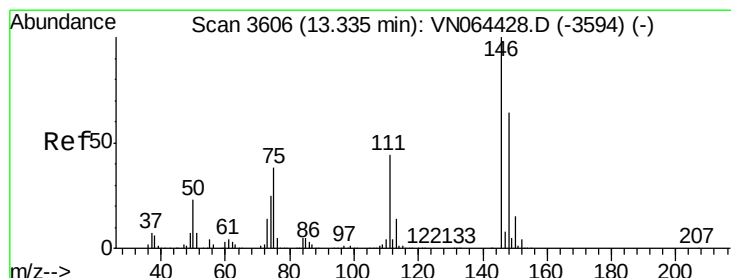
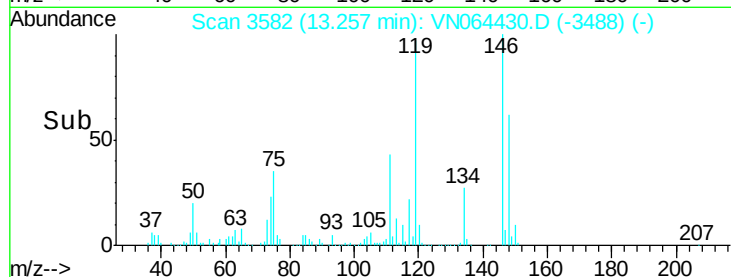
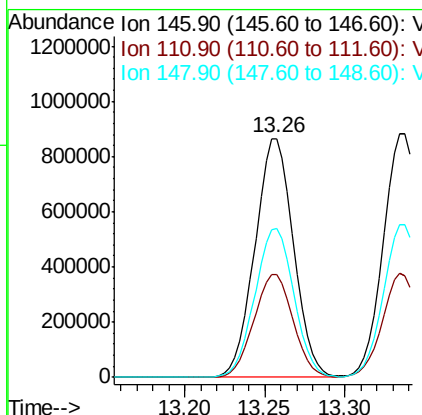
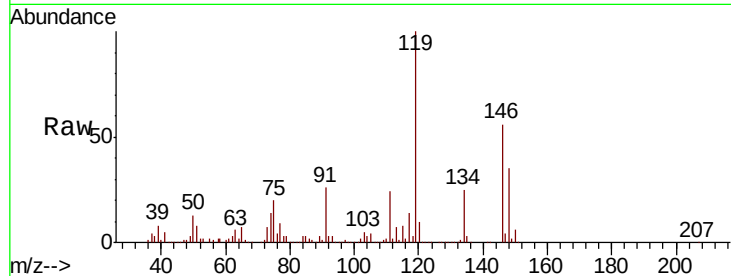
#87
 1,3-Dichlorobenzene
 Concen: 157.021 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1437839
 Ion Ratio Lower Upper
 146 100
 111 43.7 22.1 66.1
 148 62.9 31.7 95.1

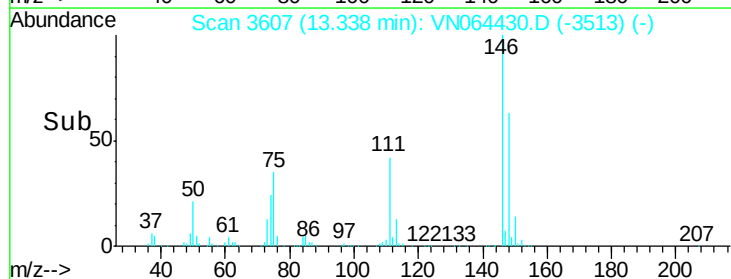
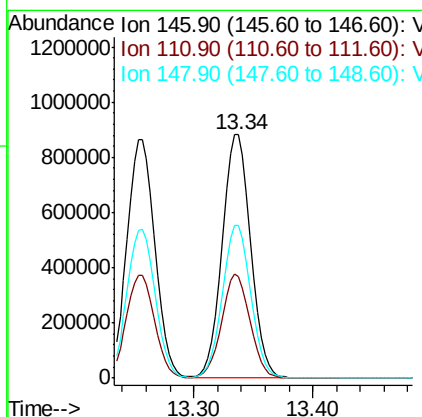
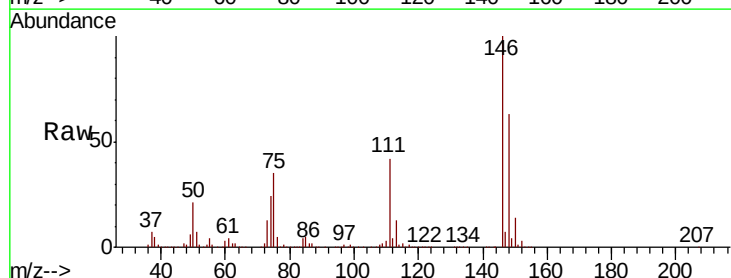
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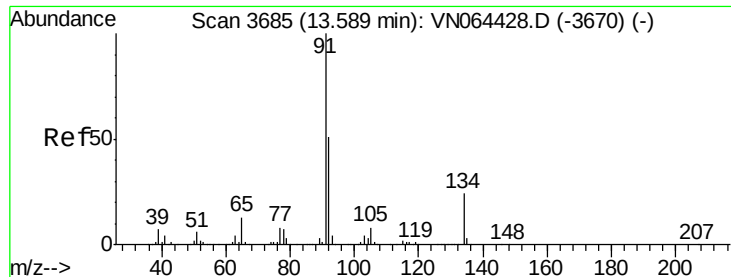
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#88
 1,4-Dichlorobenzene
 Concen: 156.325 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Tgt Ion:146 Resp: 1458083
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.8 65.3
 148 62.9 32.4 97.2





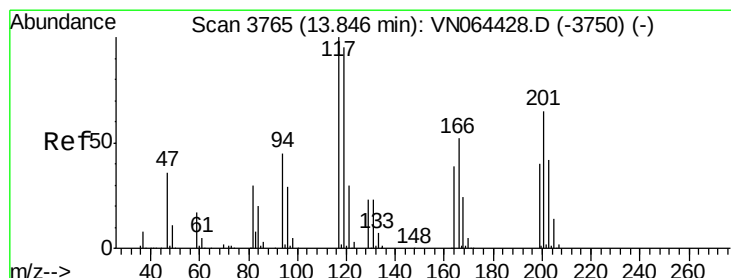
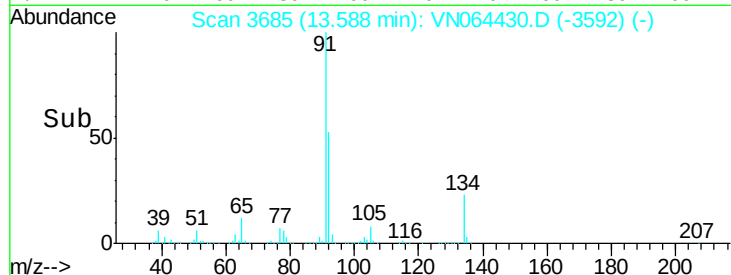
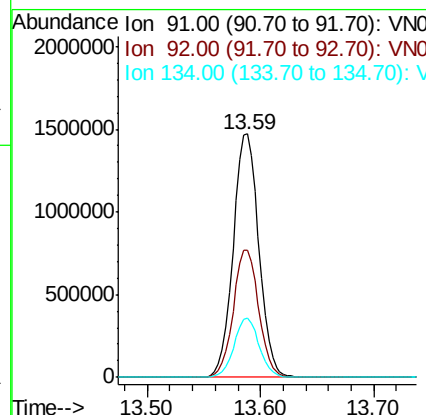
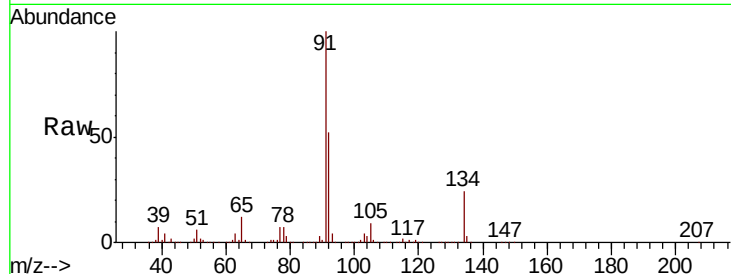
#89
n-Butylbenzene
Concen: 152.978 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.3	75.9
134	23.8	11.8	35.4

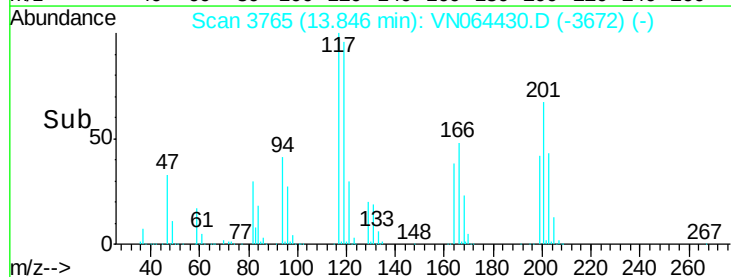
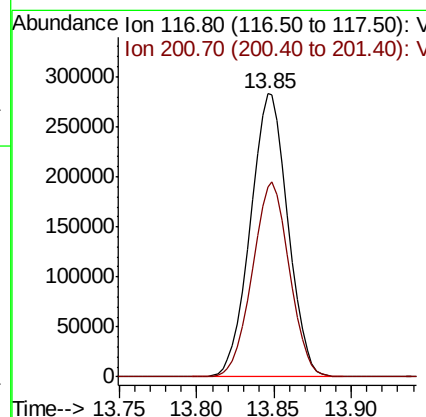
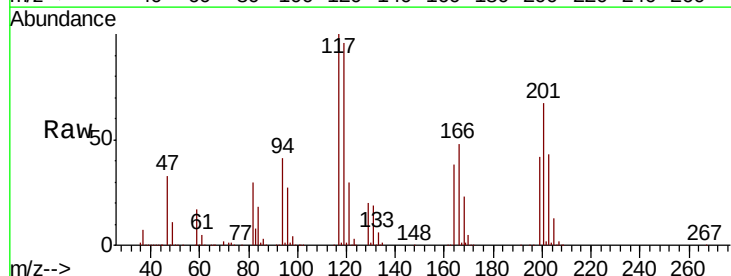
Manual Integrations
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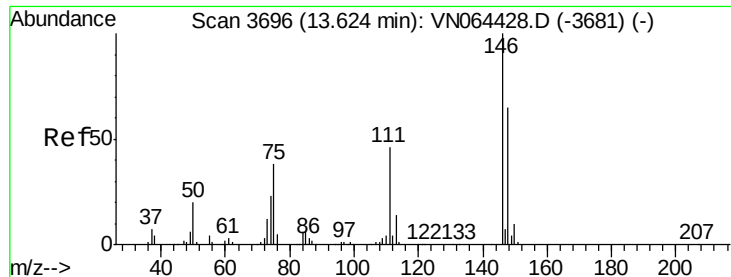
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#90
Hexachloroethane
Concen: 149.140 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064430.D
Acq: 4 Nov 2020 11:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.2	32.5	97.5





#91

1,2-Dichlorobenzene

Concen: 152.217 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1386337

Ion Ratio Lower Upper

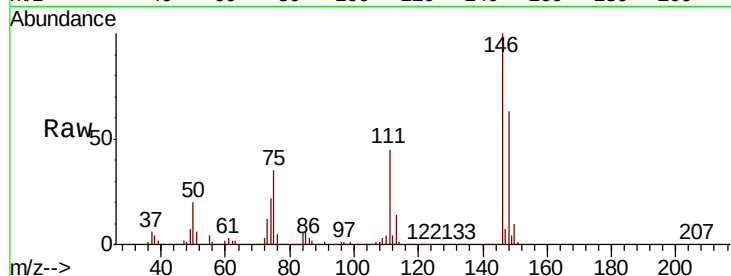
146 100

111 45.3 22.9 68.7

148 63.8 32.0 96.2

Manual Integrations
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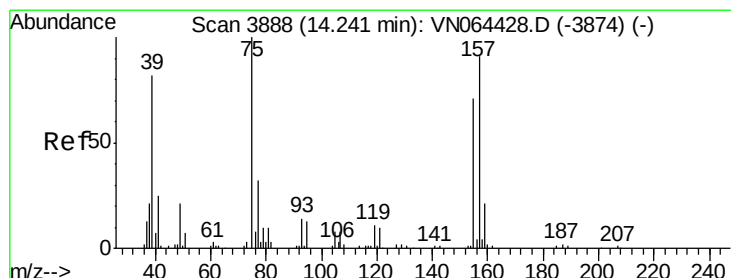
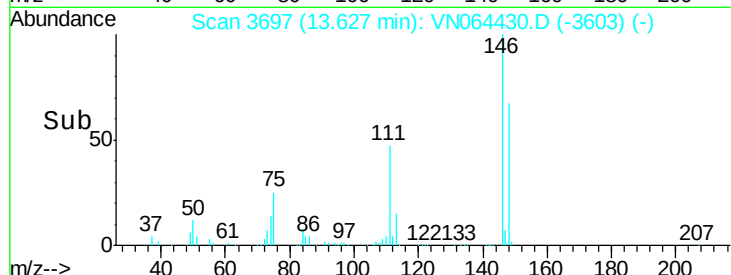
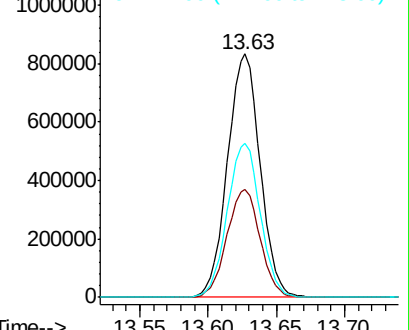
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Abundance Ion 145.90 (145.60 to 146.60): V

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: 149.566 ug/l

RT: 14.24 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

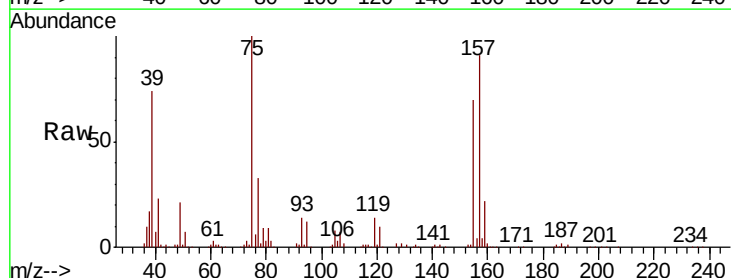
Tgt Ion: 75 Resp: 224613

Ion Ratio Lower Upper

75 100

155 70.9 34.6 103.9

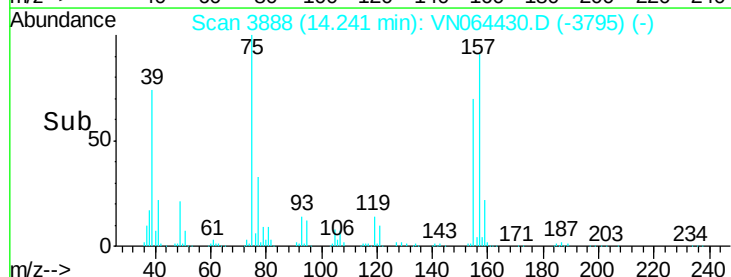
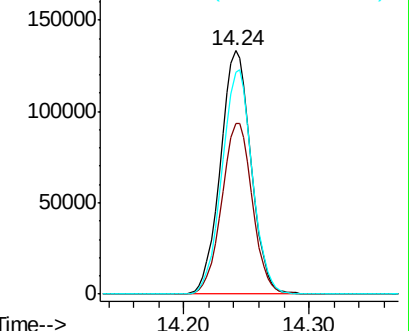
157 91.8 43.0 128.8

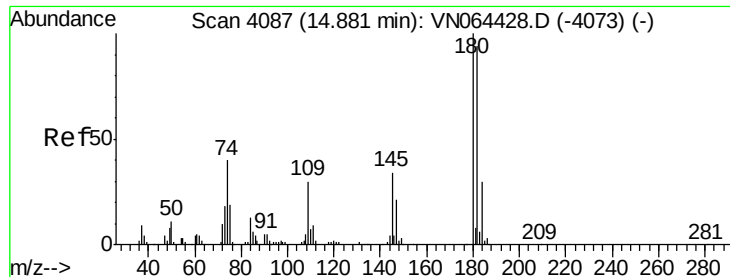


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





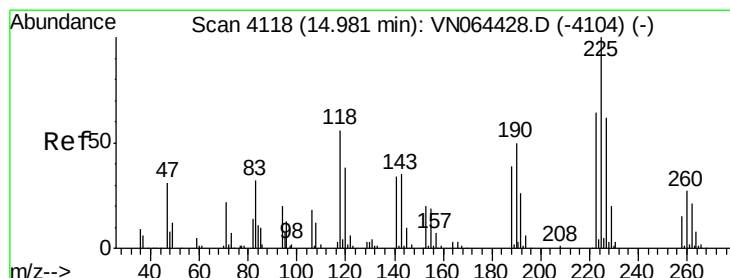
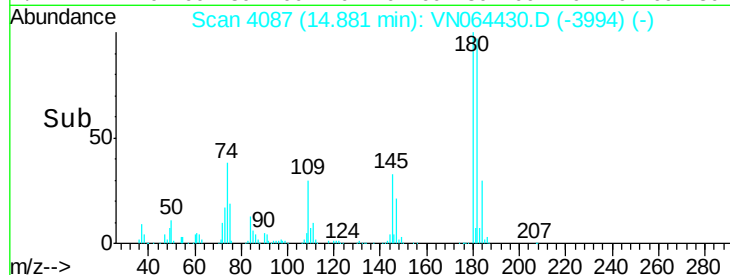
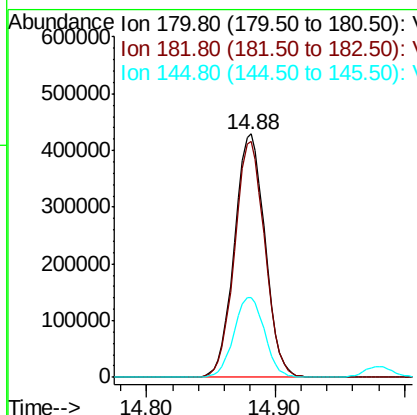
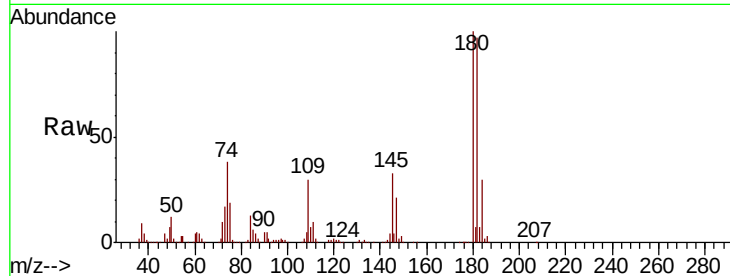
#93
 1,2,4-Trichlorobenzene
 Concen: 161.745 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.3	142.0	
145	32.9	16.7	50.1	

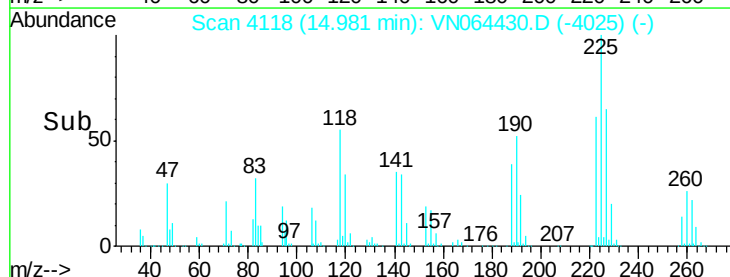
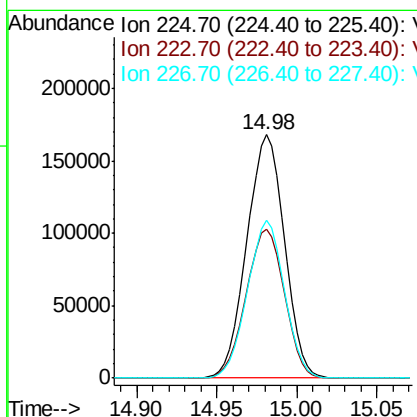
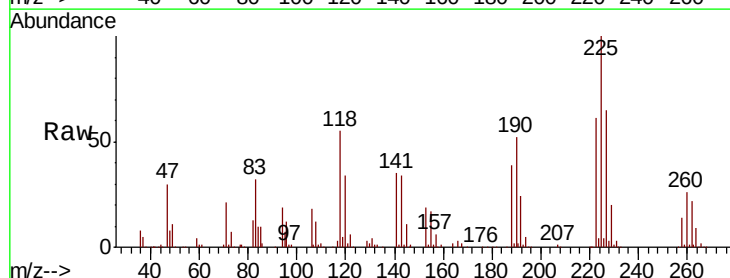
Manual Integrations
 APPROVED

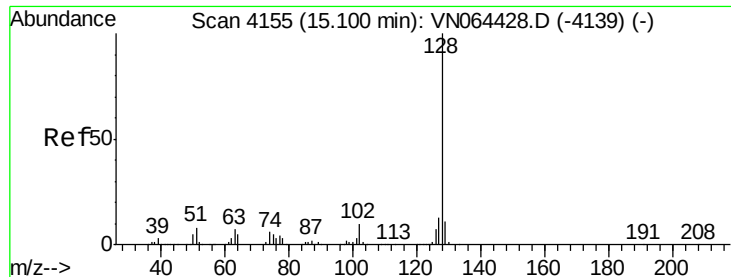
MMDadoda
 11/5/2020 2:19:21 PM



#94
 Hexachlorobutadiene
 Concen: 102.492 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064430.D
 Acq: 4 Nov 2020 11:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.2	31.8	95.4	
227	63.6	31.8	95.4	





#95

Naphthalene

Concen: 179.694 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2464417

Ion Ratio Lower Upper

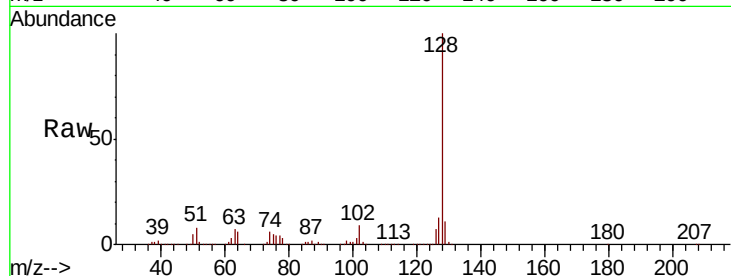
128 100

127 12.7 10.5 15.7

129 10.9 8.8 13.2

Manual Integrations
APPROVED

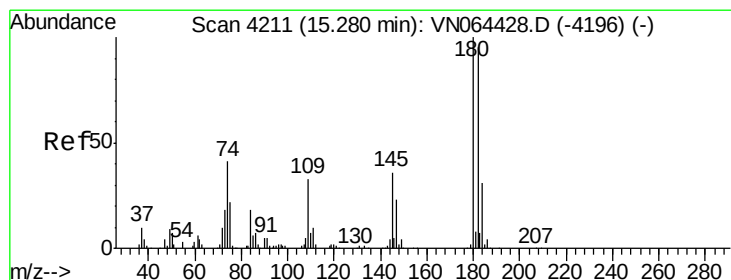
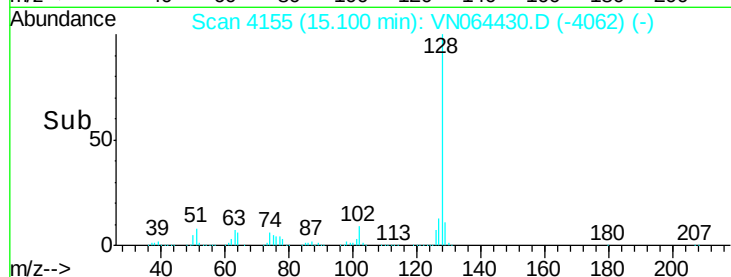
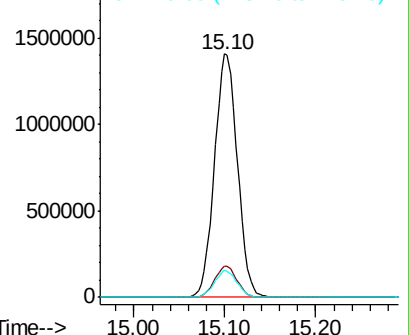
MMDadoda
11/5/2020 2:19:21 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 162.767 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064430.D

Acq: 4 Nov 2020 11:48

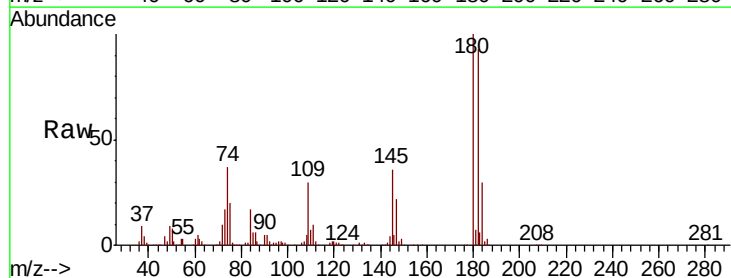
Tgt Ion:180 Resp: 688183

Ion Ratio Lower Upper

180 100

182 93.9 47.7 143.1

145 35.5 18.3 54.8



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

