

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063892.D
 Acq On : 6 Oct 2020 12:03
 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
 10/7/2020 12:11:37 PM

Quant Time: Oct 06 12:36:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 12:20:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	65898	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	343773	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	327384	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	170192	34.66	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	115.53%
60) 4-Bromofluorobenzene	12.38	95	174510	33.23	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	110.77%
63) Toluene-d8	10.06	98	446202	29.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	595320	124.506	ug/l 100
3) Chloromethane	2.04	50	619209	119.570	ug/l 96
4) Vinyl Chloride	2.16	62	606931	116.323	ug/l 99
5) Bromomethane	2.52	94	382093	118.127	ug/l 97
6) Chloroethane	2.67	64	373742	119.976	ug/l 96
7) Trichlorofluoromethane	2.98	101	916591	137.636	ug/l 97
8) Diethyl Ether	3.37	74	316354	143.546	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	471750	130.876	ug/l 98
10) 1,1-Dichloroethene	3.70	96	458268	140.922	ug/l 98
11) Methyl Iodide	3.91	142	649300	146.826	ug/l 98
12) Methyl Acetate	4.28	43	616950	145.391	ug/l 99
13) Acrolein	3.56	56	354965	843.864	ug/l 98
14) Acrylonitrile	4.93	53	1249951	685.411	ug/l 97
15) Acetone	3.77	58	340888	641.477	ug/l 99
16) Carbon Disulfide	4.01	76	1394935	156.351	ug/l 99
17) Allyl chloride	4.28	41	882359	144.638	ug/l 98
18) Methylene Chloride	4.50	84	542612	123.206	ug/l 97
19) trans-1,2-Dichloroethene	4.99	96	529859	148.276	ug/l 95
20) Diisopropyl ether	5.90	45	1816242	134.586	ug/l 98
21) 1,1-Dichloroethane	5.80	63	1047184	137.426	ug/l 99
22) cis-1,2-Dichloroethene	6.78	96	613861	140.944	ug/l 92
23) tert-Butyl Alcohol	4.73	59	515562	809.135	ug/l # 100
24) Methyl tert-Butyl Ether	4.99	73	1612675	137.408	ug/l # 56
25) Chloroform	7.33	83	1093345	142.304	ug/l 96
26) Cyclohexane	7.61	56	802199	127.988	ug/l # 95
29) 1,1-Dichloropropene	7.75	75	818845	152.617	ug/l 99
30) 2-Butanone	6.78	43	2051313	816.169	ug/l 99
31) 2,2-Dichloropropane	6.78	77	925548	142.070	ug/l # 77
32) 1,1,1-Trichloroethane	7.53	97	1005197	153.433	ug/l 98
33) Carbon Tetrachloride	7.73	117	877811	156.330	ug/l 98
34) Benzene	8.00	78	2284159	137.135	ug/l # 91
35) Methacrylonitrile	7.12	41	397881	170.933	ug/l 97
36) 1,2-Dichloroethane	8.08	62	961345	159.443	ug/l 100
37) Trichloroethene	8.80	130	585358	142.127	ug/l 99
38) Methylcyclohexane	9.05	83	720033	116.063	ug/l 97
39) 1,2-Dichloropropane	9.08	63	609538	127.208	ug/l 98
40) Dibromomethane	9.17	93	421281	145.208	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	908134	143.974	ug/l	96
42) Vinyl Acetate	5.84	43	8518666	865.696	ug/l	99
43) Ethyl Acetate	6.88	43	899832m	184.000	ug/l	
44) Isopropyl Acetate	8.13	43	1481567	177.267	ug/l #	100
45) 1,4-Dioxane	9.16	88	175360	2463.249	ug/l	91
46) Methyl methacrylate	9.17	41	753723	182.962	ug/l	98
47) n-amyl Acetate	12.05	43	1415017	192.464	ug/l	100
48) t-1,3-Dichloropropene	10.35	75	1033601	153.881	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	1056962	147.350	ug/l	96
50) 1,1,2-Trichloroethane	10.53	97	578481	134.486	ug/l	96
51) Ethyl methacrylate	10.40	69	939271	157.731	ug/l	95
52) 1,3-Dichloropropane	10.68	76	1006424	140.929	ug/l	98
53) Dibromochloromethane	10.87	129	698678	145.960	ug/l	100
54) 1,2-Dibromoethane	10.98	107	622887	147.743	ug/l	100
55) 2-Chloroethyl vinyl ether	9.66	63	2418357	1480.611	ug/l	99
56) Bromoform	12.10	173	512229	148.235	ug/l	98
58) 4-Methyl-2-Pentanone	9.95	43	4349264	839.615	ug/l	97
59) 2-Hexanone	10.72	43	3303268	884.731	ug/l	98
61) Tetrachloroethene	10.60	164	531542	139.132	ug/l	98
62) Toluene	10.13	91	2562283	141.674	ug/l	98
64) Chlorobenzene	11.41	112	1558722	140.171	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	606200	137.641	ug/l	99
66) Ethyl Benzene	11.49	91	2899930	146.293	ug/l	99
67) m/p-Xylenes	11.60	106	2174887	293.337	ug/l	95
68) o-Xylene	11.92	106	1039570	146.642	ug/l	97
69) Styrene	11.94	104	1839513	149.275	ug/l	99
70) Isopropylbenzene	12.22	105	2777228	144.633	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	854261	140.238	ug/l	99
72) 1,2,3-Trichloropropane	12.53	75	829583m	147.662	ug/l	
73) Bromobenzene	12.50	156	684055	134.436	ug/l	97
74) n-propylbenzene	12.57	91	3195629	139.355	ug/l	97
75) 2-Chlorotoluene	12.65	91	1966219	143.321	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	2367647	145.061	ug/l	99
77) t-1,4-Dichloro-2-butene	12.27	75	336727	169.788	ug/l	94
78) 4-Chlorotoluene	12.75	91	2075114	145.767	ug/l	99
79) tert-butylbenzene	12.97	119	1894623	138.908	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	2375695	148.066	ug/l	98
81) sec-Butylbenzene	13.15	105	2492042	133.644	ug/l	99
82) p-Isopropyltoluene	13.26	119	2293831	138.525	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	1244208	139.240	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	1251113	142.614	ug/l	98
85) n-Butylbenzene	13.59	91	2045614	145.648	ug/l	96
86) Hexachloroethane	13.85	117	386445	121.954	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	1195363	138.812	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	208888	194.015	ug/l	96
89) 1,2,4-Trichlorobenzene	14.88	180	656724	151.086	ug/l	99
90) Hexachlorobutadiene	14.98	225	321581	107.105	ug/l	97
91) Naphthalene	15.10	128	2045740	194.981	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	628490	145.592	ug/l	98

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

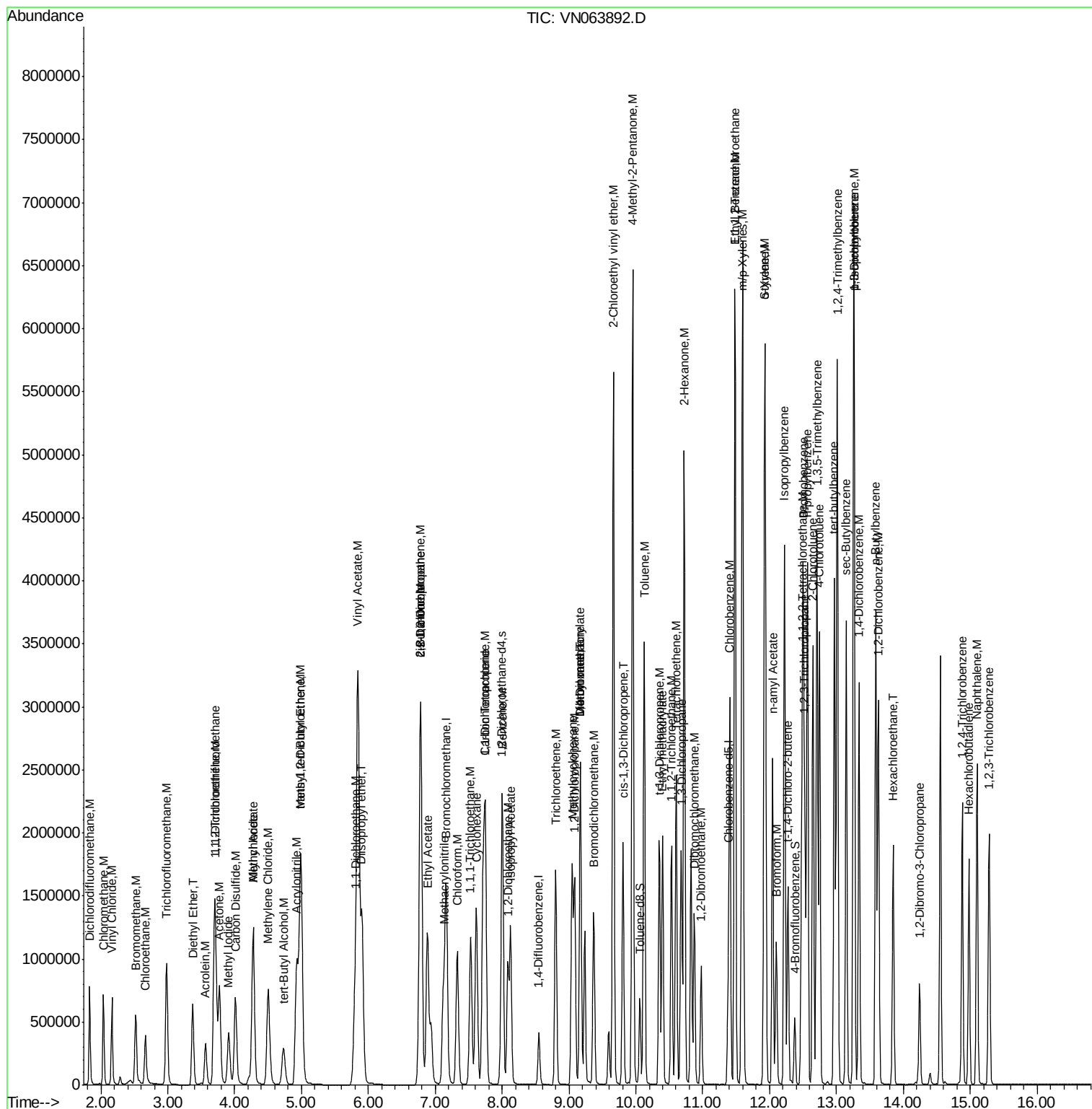
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Data File : VN063892.D
Acq On : 6 Oct 2020 12:03
Operator : JC/MD
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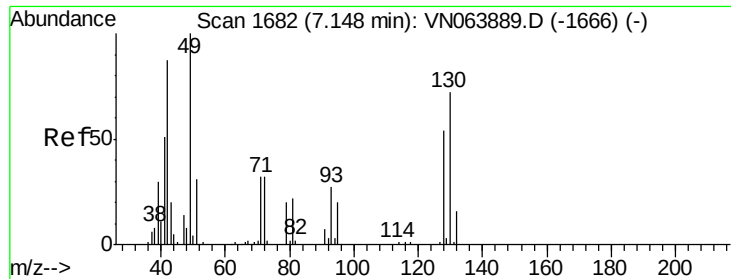
Instrument :
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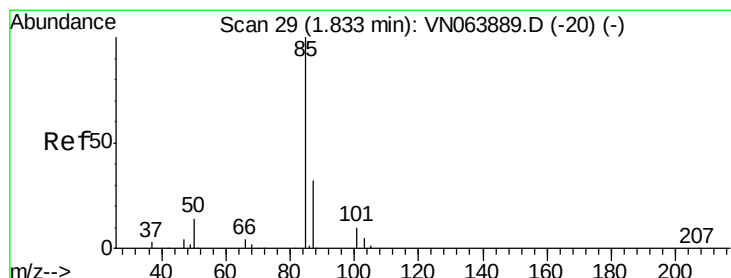
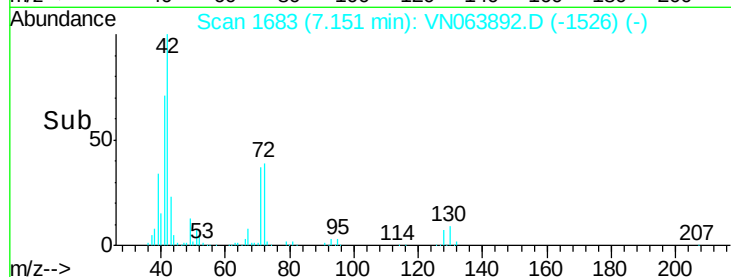
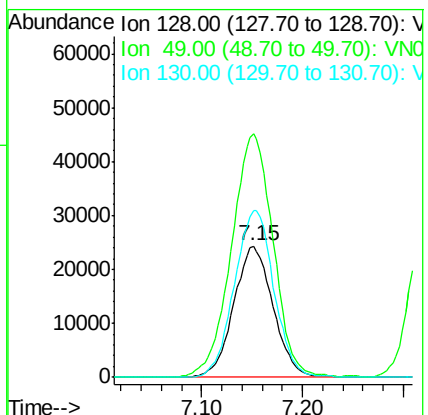
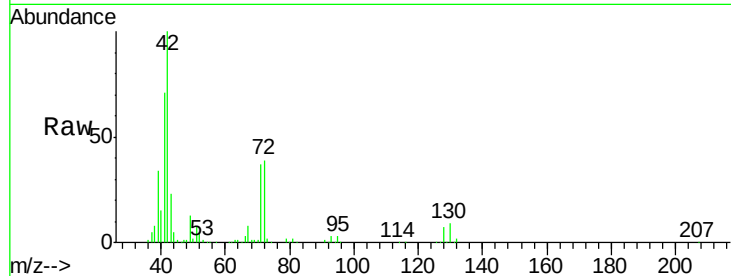
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
49	196.0	0.0	461.8
130	127.3	0.0	331.8

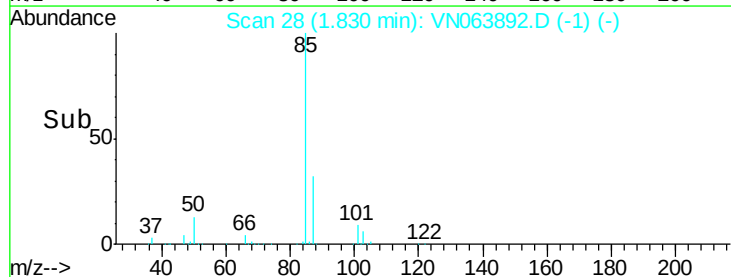
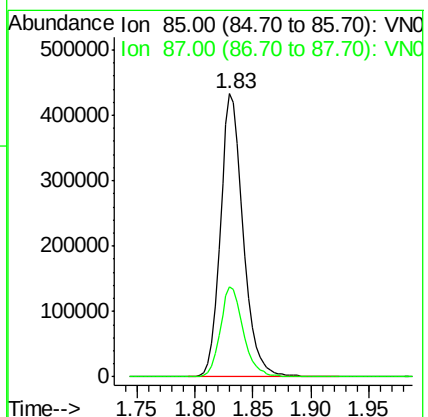
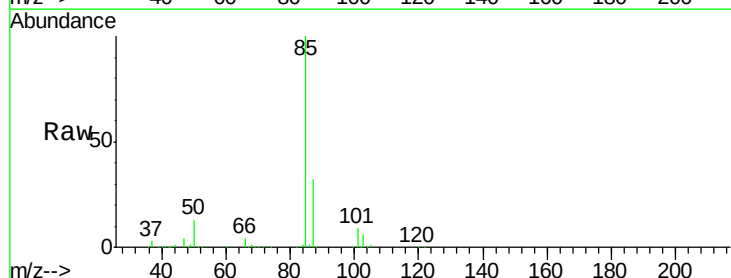
Manual Integrations
APPROVED

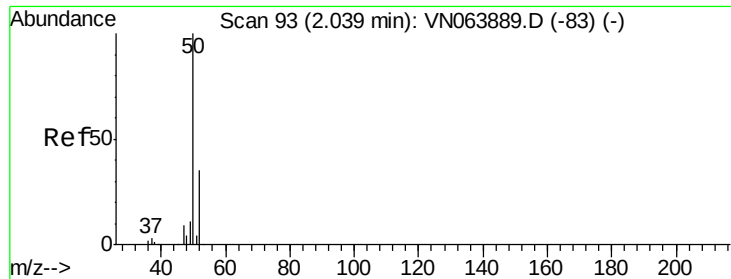
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#2
Dichlorodifluoromethane
Concen: 124.506 ug/l
RT: 1.83 min Scan# 28
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.1	48.2





#3

Chloromethane

Concen: 119.570 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 619209

Ion Ratio Lower Upper

50 100

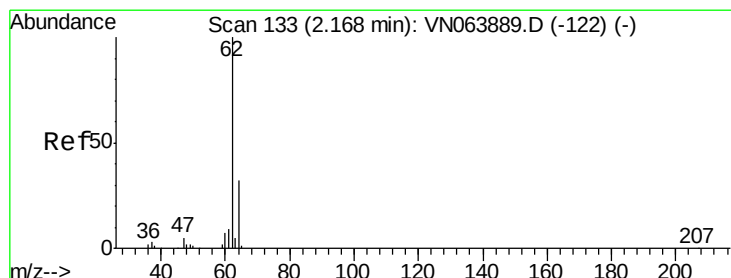
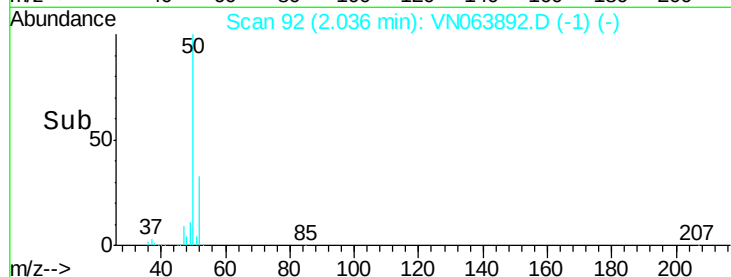
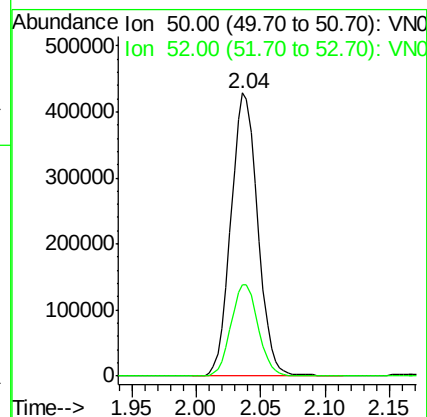
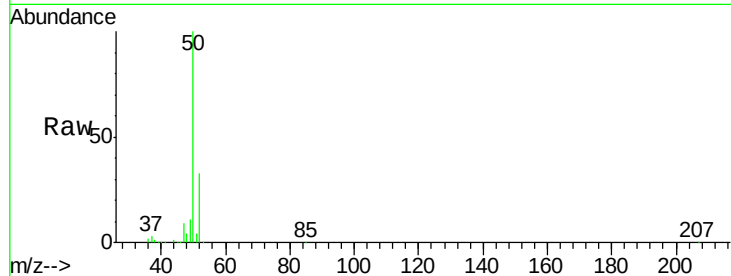
52 32.5 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 116.323 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063892.D

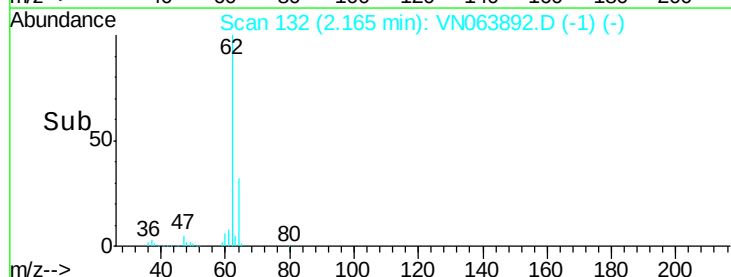
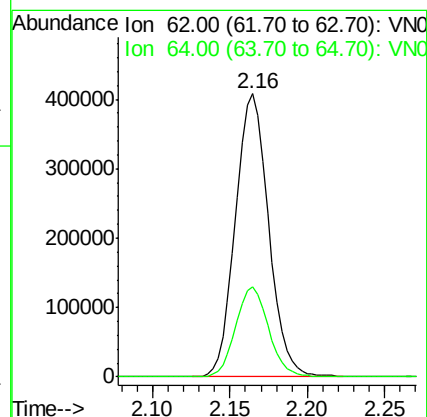
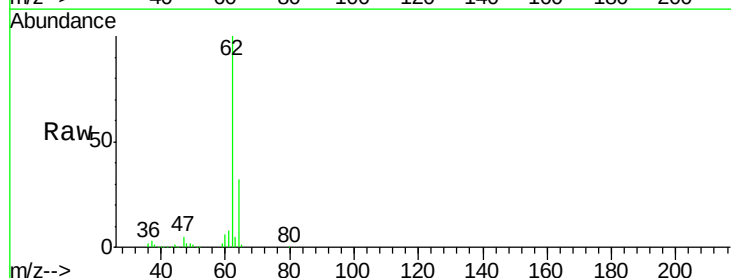
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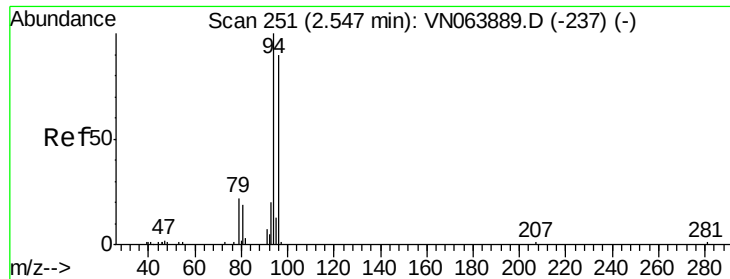
Tgt Ion: 62 Resp: 606931

Ion Ratio Lower Upper

62 100

64 31.7 26.0 39.0





#5

Bromomethane

Concen: 118.127 ug/l

RT: 2.52 min Scan# 243

Delta R.T. -0.03 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 382093

Ion Ratio Lower Upper

94 100

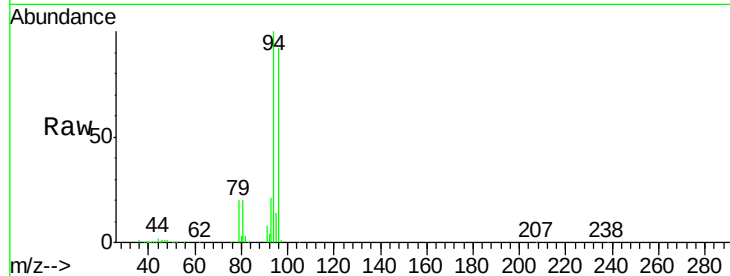
96 92.4 71.9 107.9

Manual Integrations

APPROVED

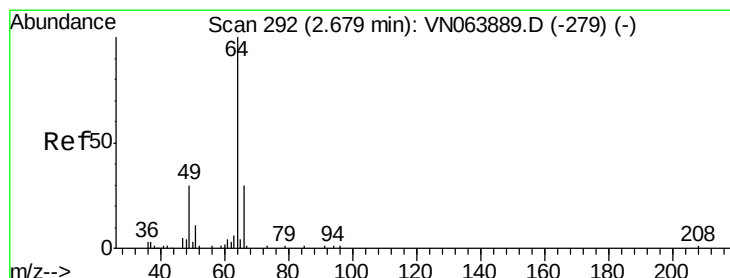
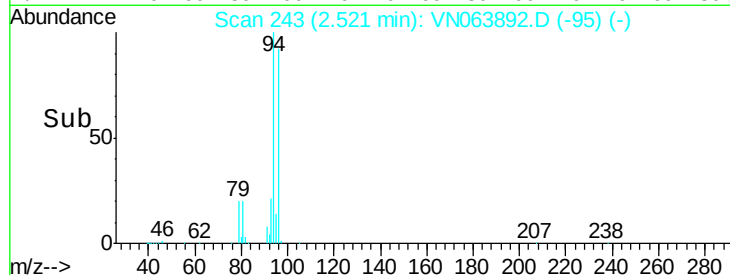
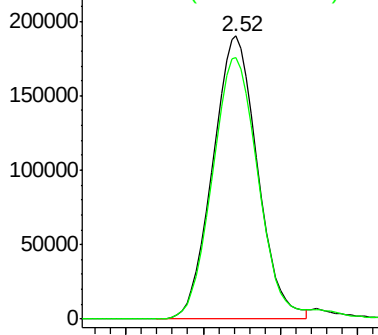
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 119.976 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN063892.D

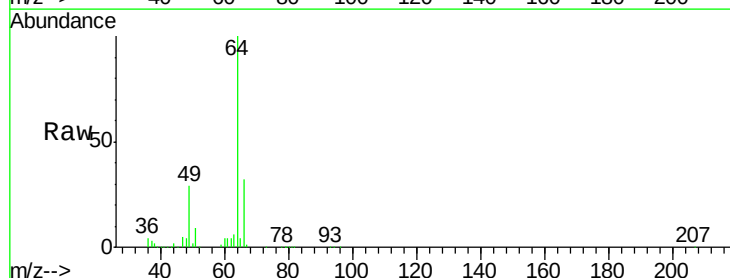
Acq: 6 Oct 2020 12:03

Tgt Ion: 64 Resp: 373742

Ion Ratio Lower Upper

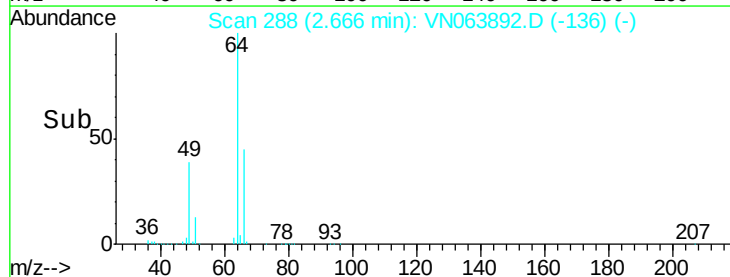
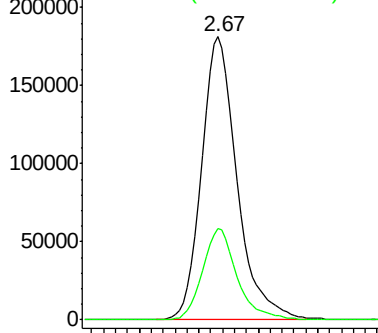
64 100

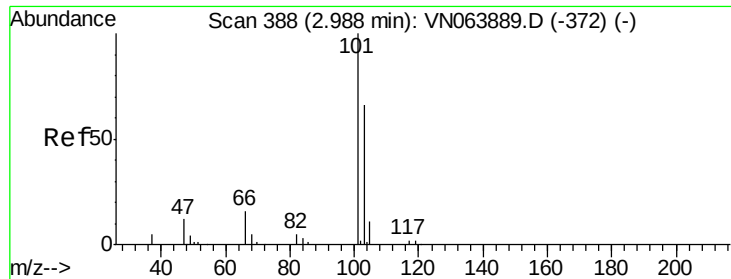
66 32.3 24.2 36.2



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

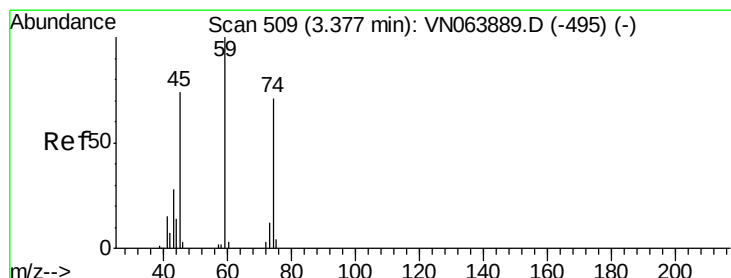
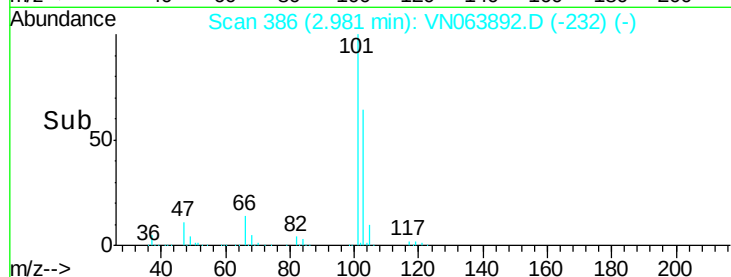
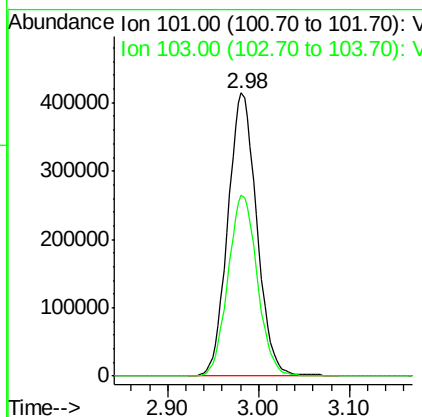
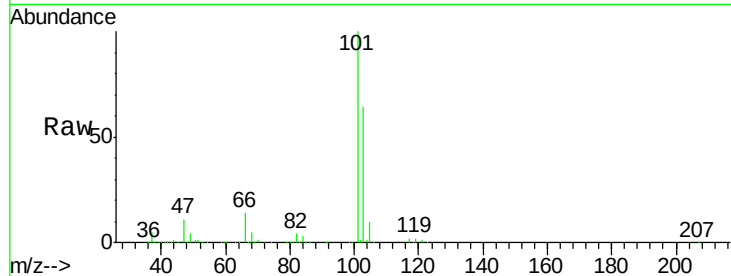
Trichlorofluoromethane
 Concen: 137.636 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	916591		
103	63.7	52.6	78.8	

Manual Integrations
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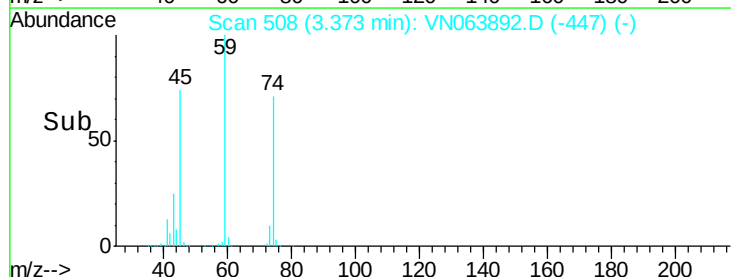
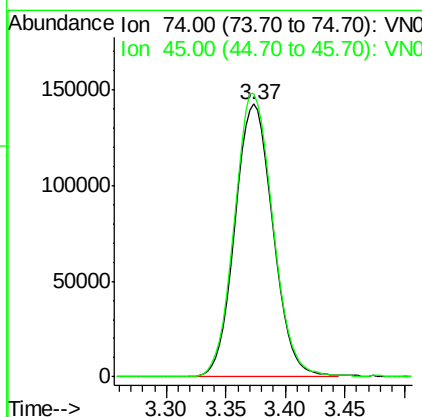
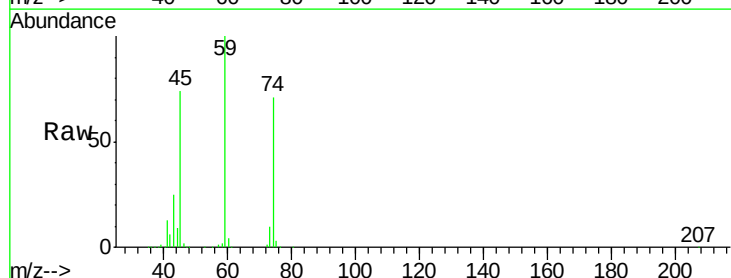
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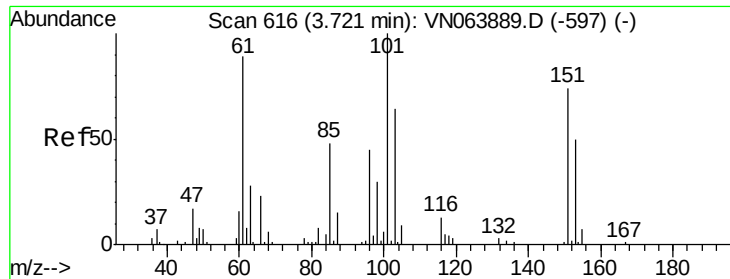


#8

Diethyl Ether
 Concen: 143.546 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	316354		
45	104.7	21.4	192.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 130.876 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

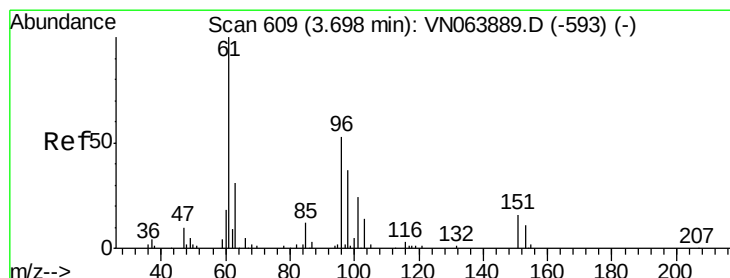
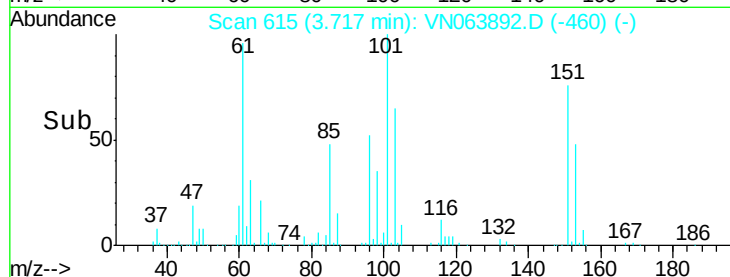
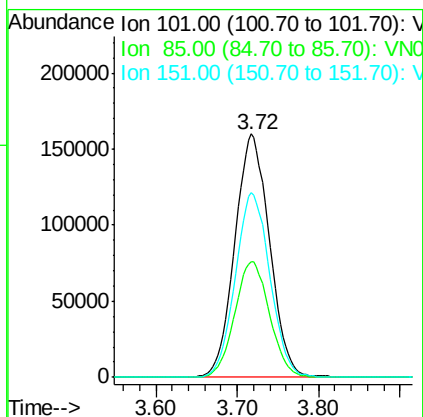
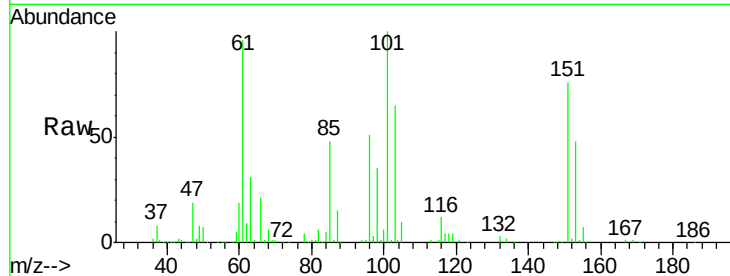
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	471750
Ion Ratio	Lower	Upper	
101	100		
85	47.8	0.0	94.6
151	75.6	0.0	147.0

Manual Integrations
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MMDadoda
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#10

1,1-Dichloroethene

Concen: 140.922 ug/l

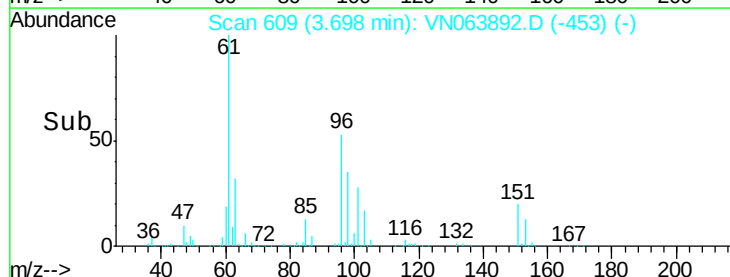
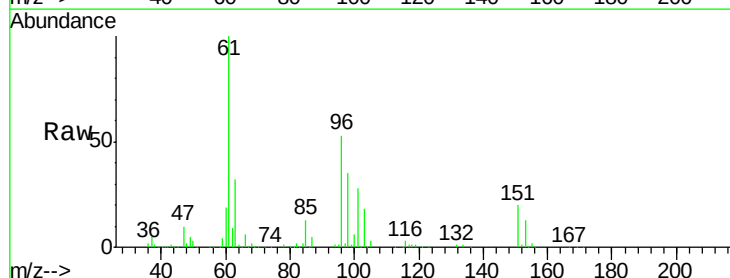
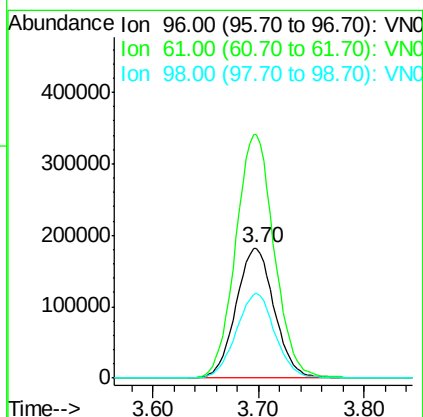
RT: 3.70 min Scan# 609

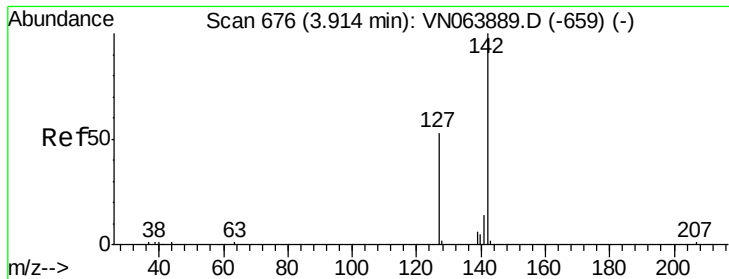
Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Tgt Ion:	96	Resp:	458268
Ion Ratio	Lower	Upper	
96	100		
61	187.7	150.4	225.6
98	65.6	55.8	83.8





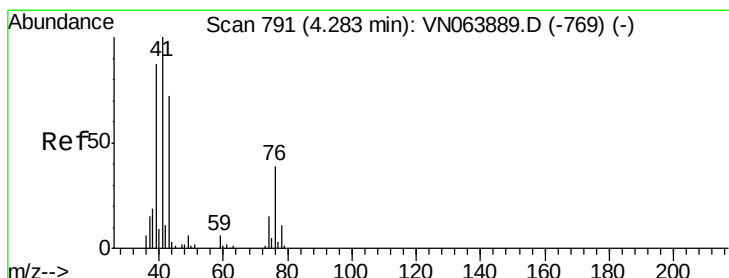
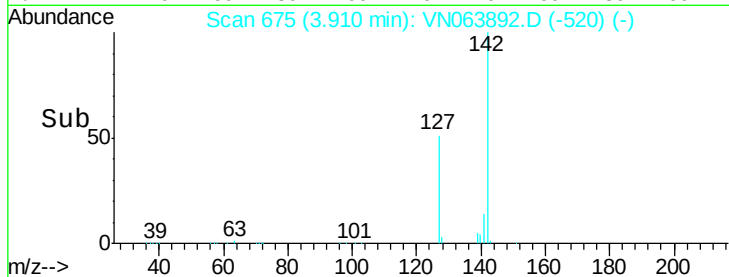
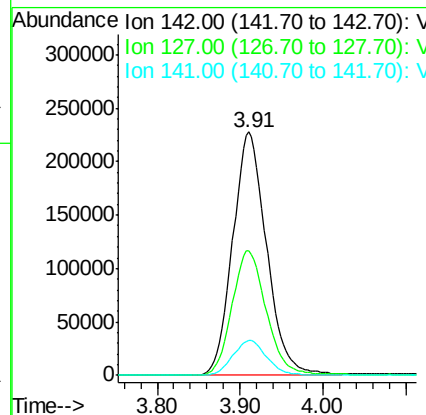
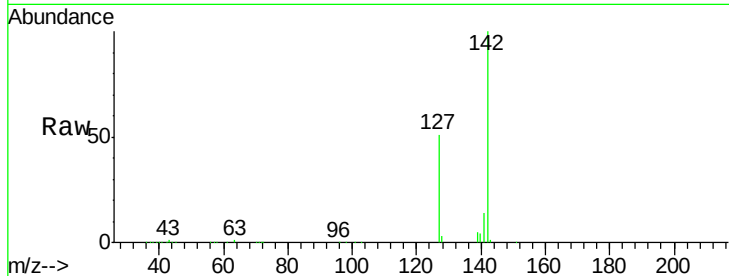
#11
Methyl Iodide
Concen: 146.826 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.0	26.5	79.4
141	14.2	7.1	21.4

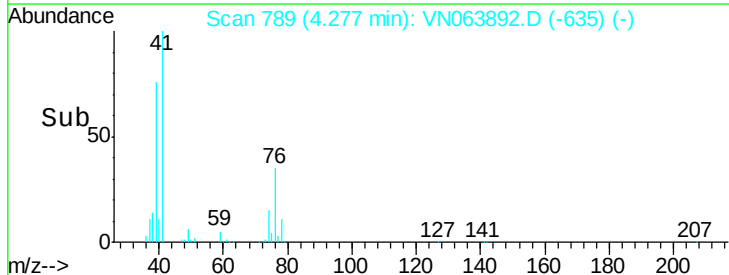
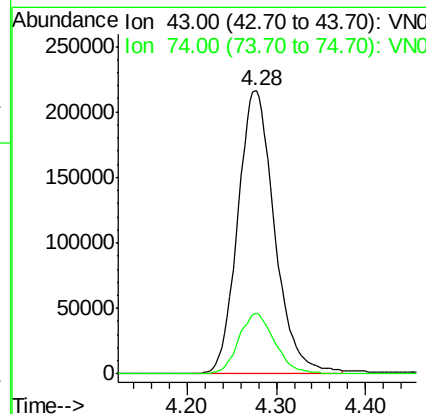
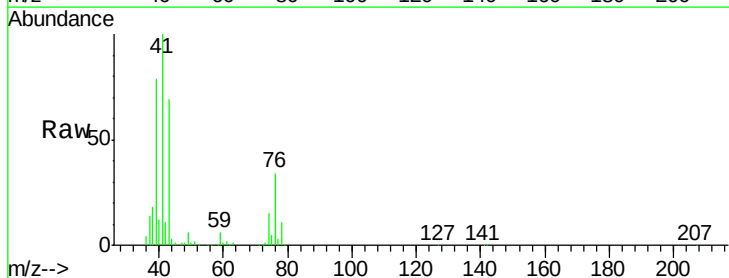
Manual Integrations
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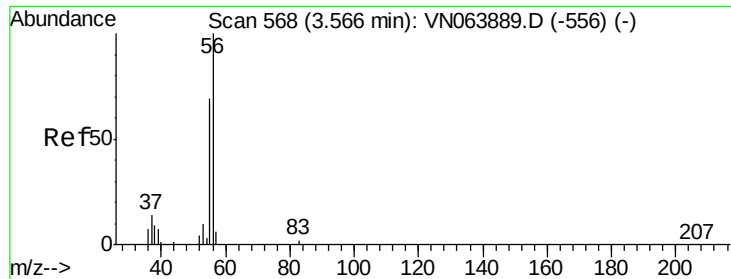
MMDadoda
10/7/2020 12:11:37 PM



#12
Methyl Acetate
Concen: 145.391 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.01 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	16.7	25.1





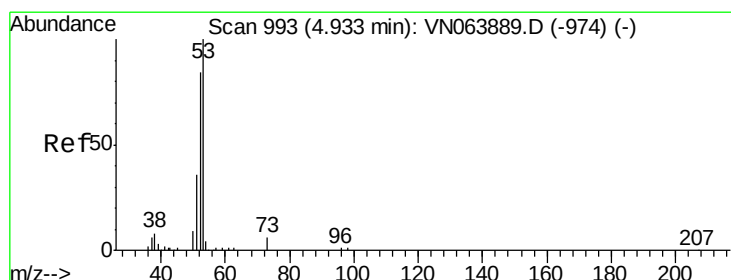
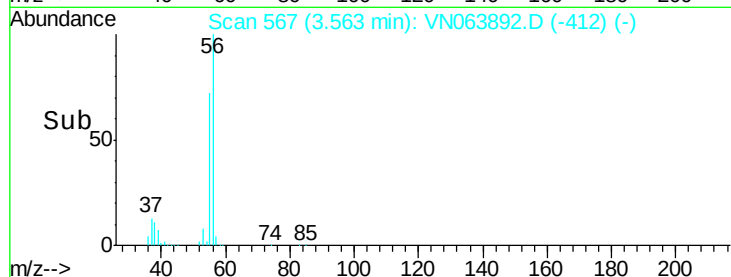
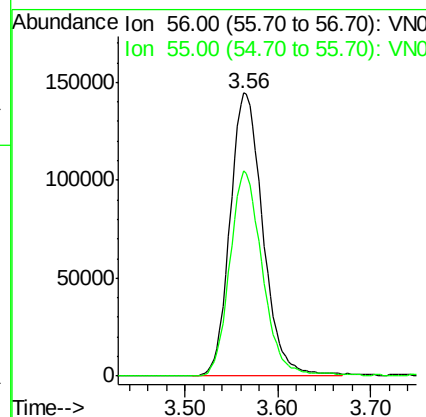
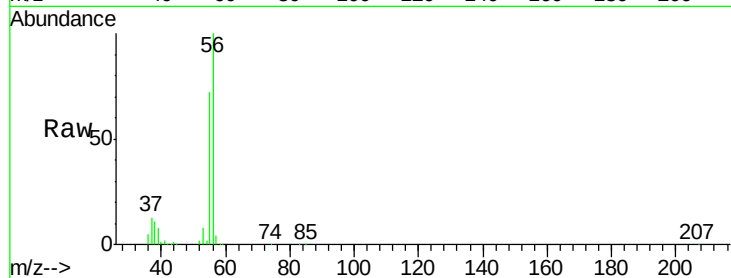
#13
Acrolein
Concen: 843.864 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.4	58.6	87.8

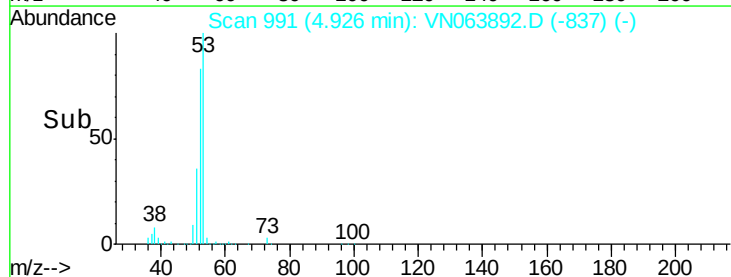
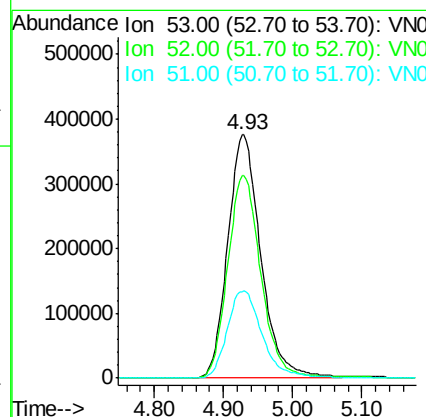
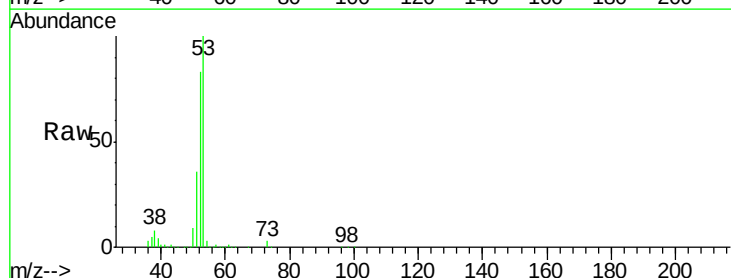
Manual Integrations
APPROVED

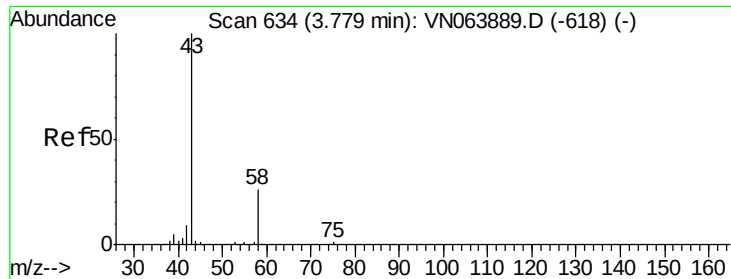
MMDadoda
10/7/2020 12:11:37 PM



#14
Acrylonitrile
Concen: 685.411 ug/l
RT: 4.93 min Scan# 991
Delta R.T. -0.01 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.8	43.2	129.6
51	37.5	19.4	58.4





#15

Acetone

Concen: 641.477 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 58 Resp: 340888

Ion Ratio Lower Upper

58 100

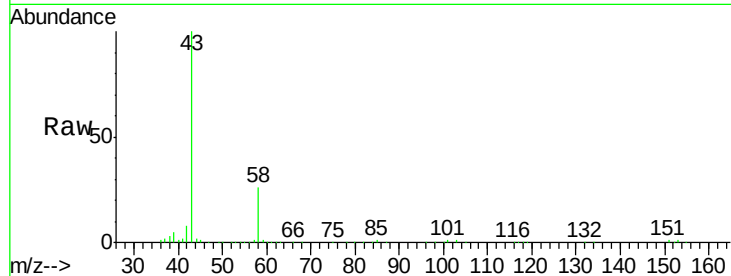
43 376.7 302.4 453.6

Manual Integrations

APPROVED

MMDadoda

10/7/2020 12:11:37 PM



Abundance Ion 58.00 (57.70 to 58.70): VN063892.D (-478) (-)

Ion 43.00 (42.70 to 43.70): VN063892.D (-478) (-)

500000

400000

300000

200000

100000

0

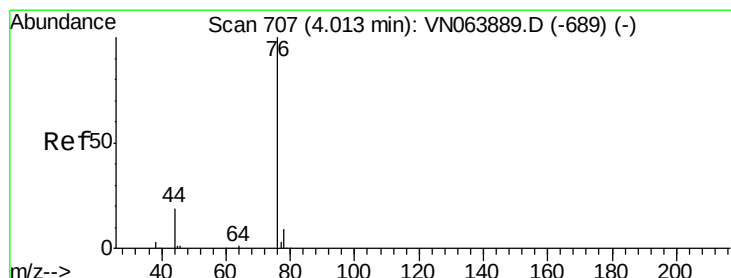
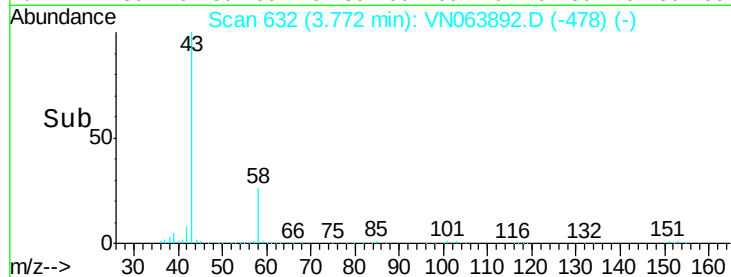
3.70

3.77

3.80

3.90

Time-->



#16

Carbon Disulfide

Concen: 156.351 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063892.D

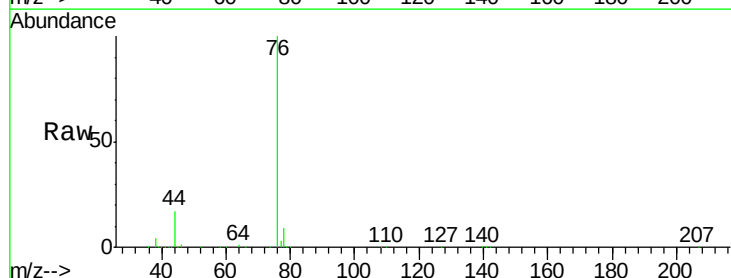
Acq: 6 Oct 2020 12:03

Tgt Ion: 76 Resp: 1394935

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN063892.D (-551) (-)

Ion 78.00 (77.70 to 78.70): VN063892.D (-551) (-)

600000

500000

400000

300000

200000

100000

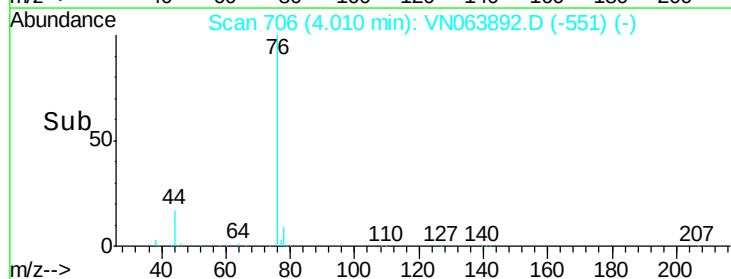
0

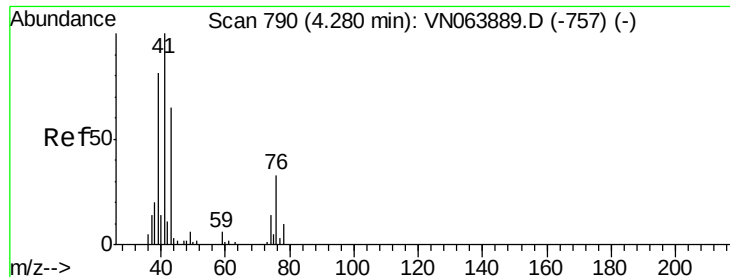
3.90

4.01

4.10

Time-->





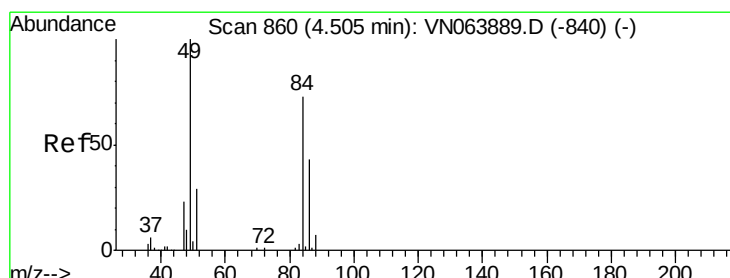
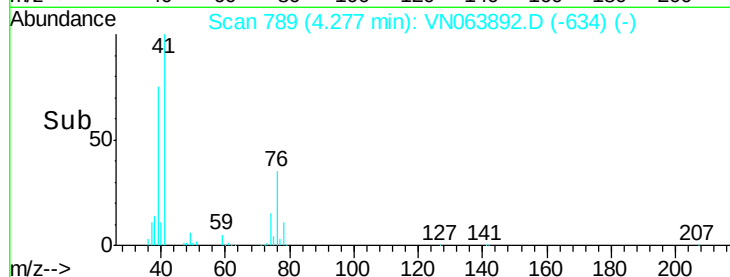
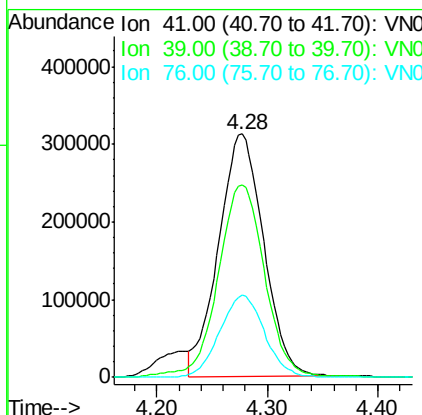
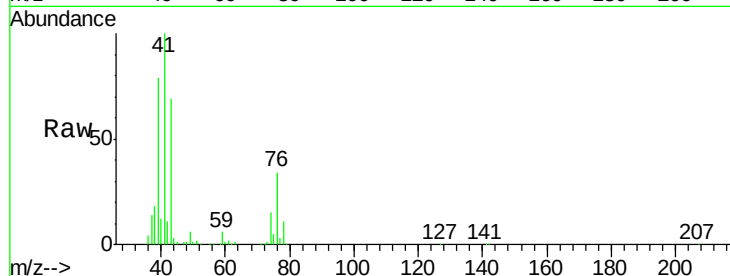
#17
Allvl chloride
Concen: 144.638 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	79.2	40.7	122.1
76	33.5	17.0	50.9

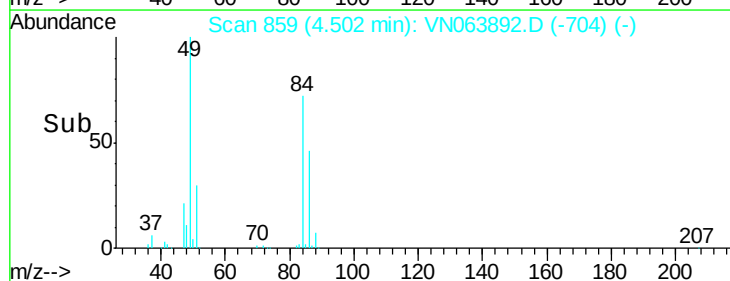
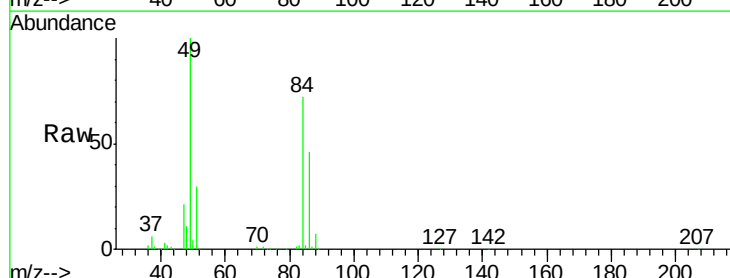
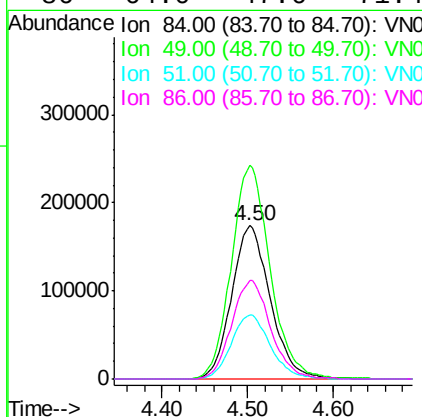
Manual Integrations
APPROVED

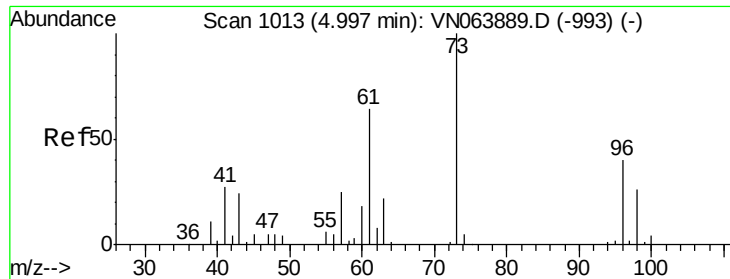
MMDadoda
10/7/2020 12:11:37 PM



#18
Methylene Chloride
Concen: 123.206 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.2	109.7	164.5
51	41.5	31.4	47.2
86	64.0	47.6	71.4





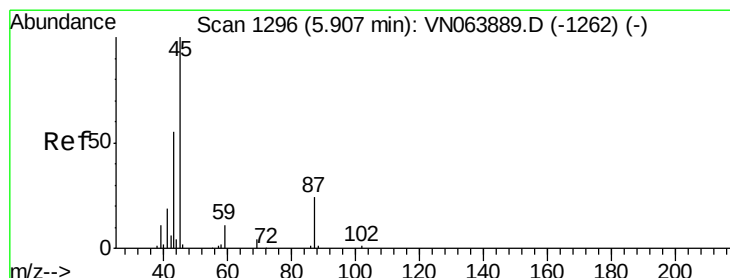
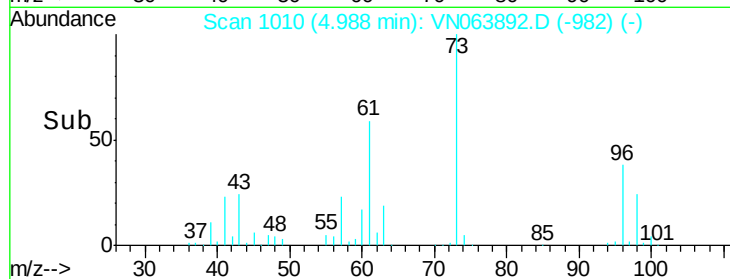
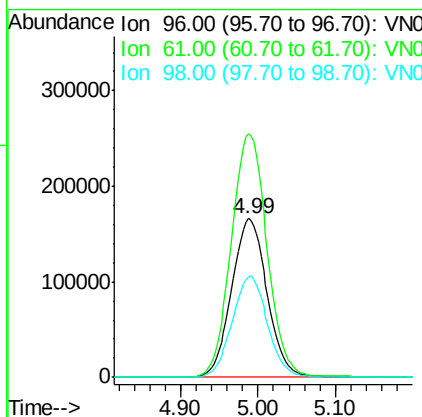
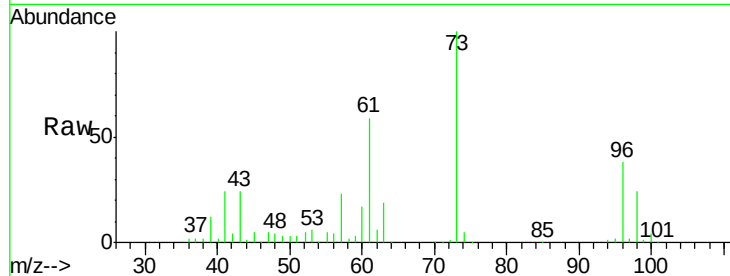
#19
trans-1,2-Dichloroethene
Concen: 148.276 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.0	127.9	191.9
98	63.1	52.5	78.7

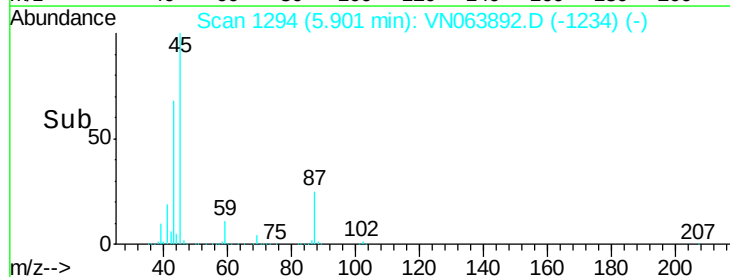
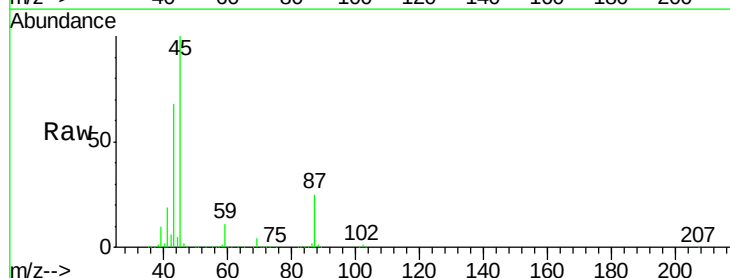
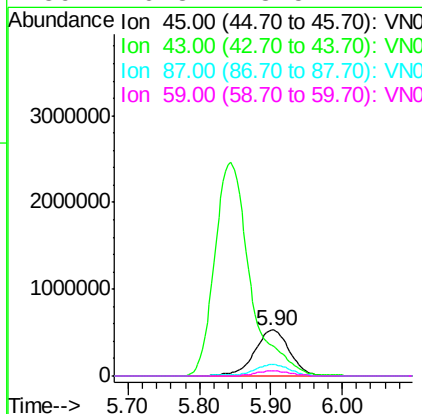
Manual Integrations
APPROVED

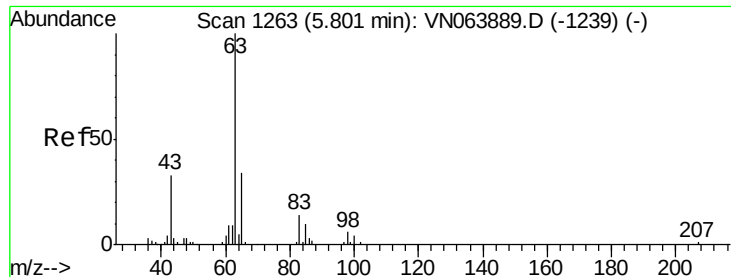
MMDadoda
10/7/2020 12:11:37 PM



#20
Diisopropyl ether
Concen: 134.586 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.0	51.3	76.9
87	25.2	19.5	29.3
59	10.8	8.5	12.7





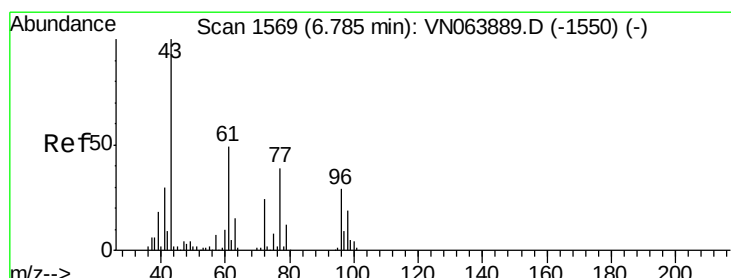
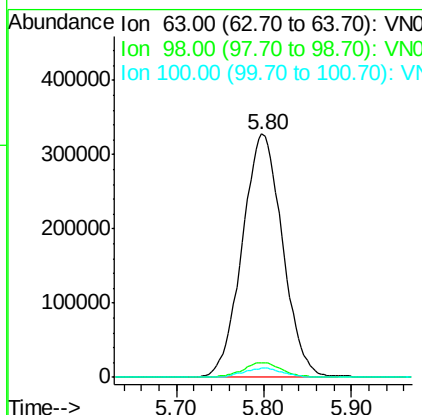
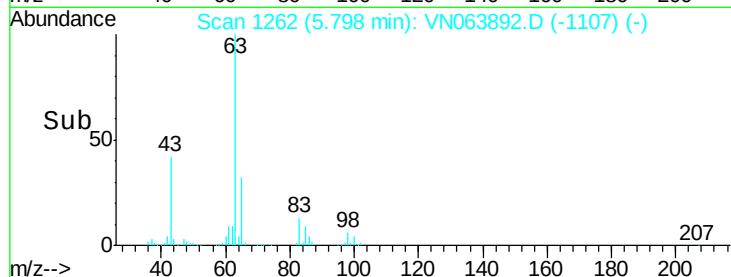
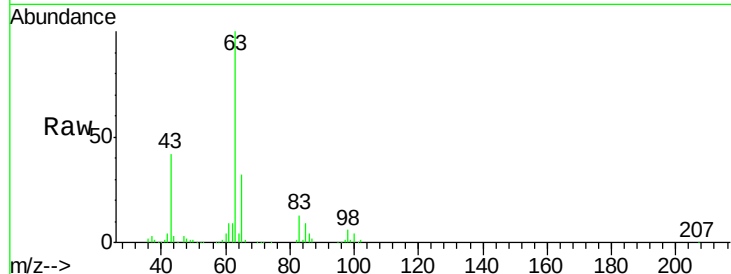
#21
 1,1-Dichloroethane
 Concen: 137.426 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 1047184
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.3 9.8
 100 3.7 2.0 5.8

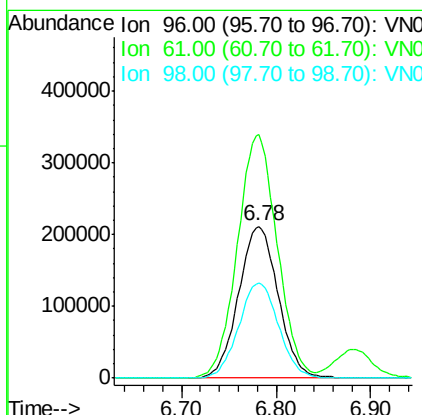
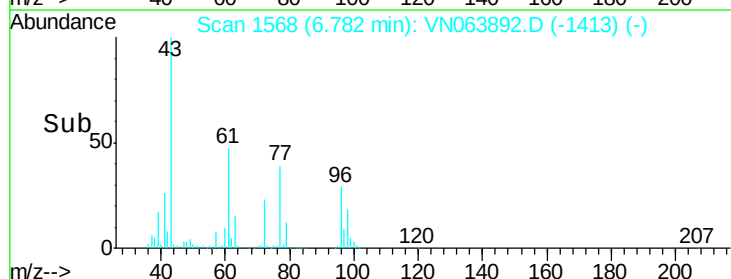
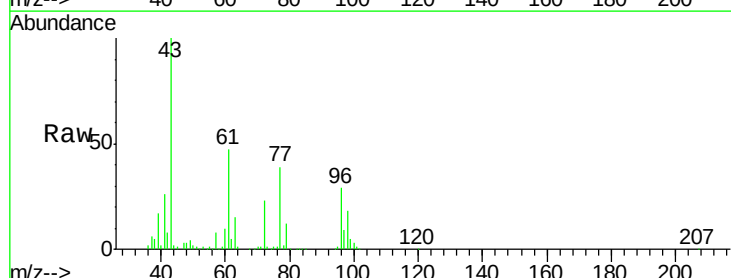
Manual Integrations
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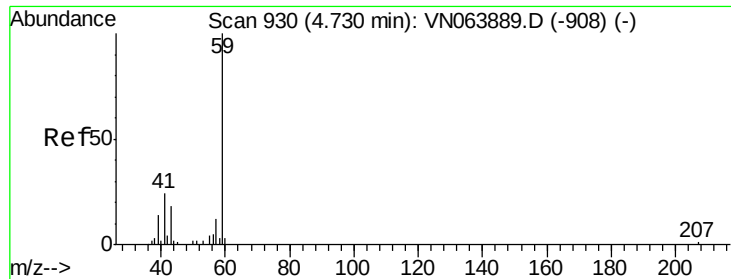
MMDadoda
 10/7/2020 12:11:37 PM



#22
 cis-1,2-Dichloroethene
 Concen: 140.944 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 96 Resp: 613861
 Ion Ratio Lower Upper
 96 100
 61 161.6 139.6 209.4
 98 63.2 53.4 80.0





#23

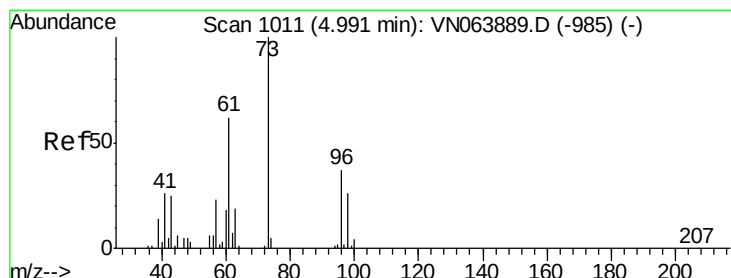
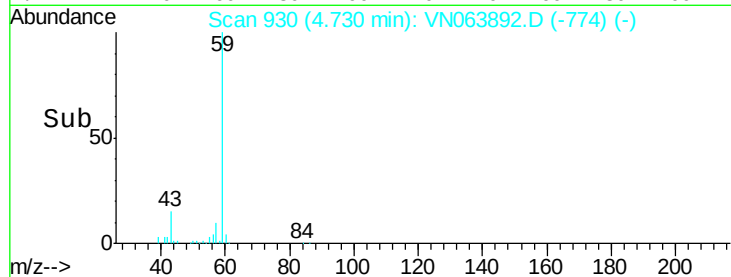
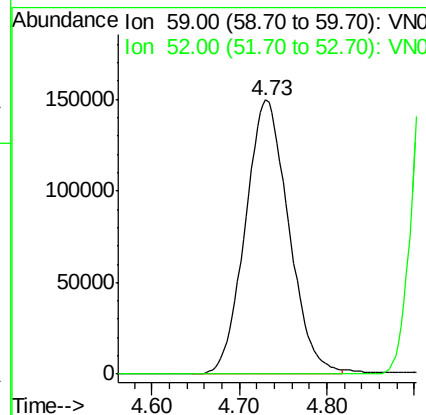
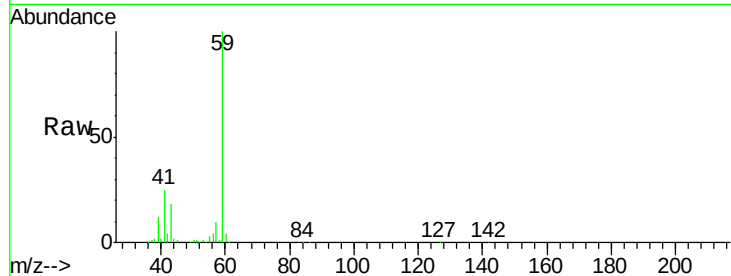
tert-Butyl Alcohol
Concen: 809.135 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0#

Manual Integrations
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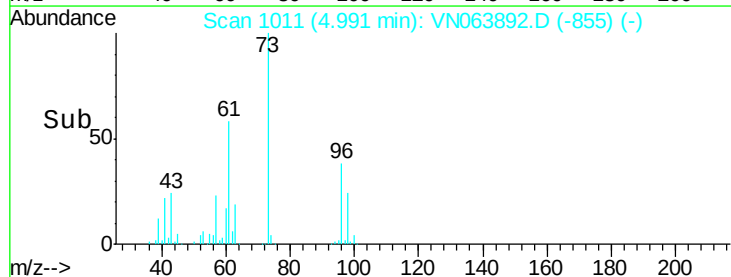
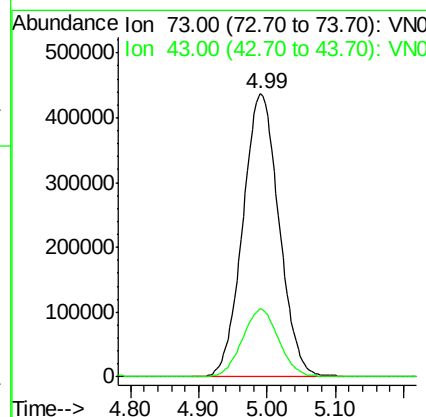
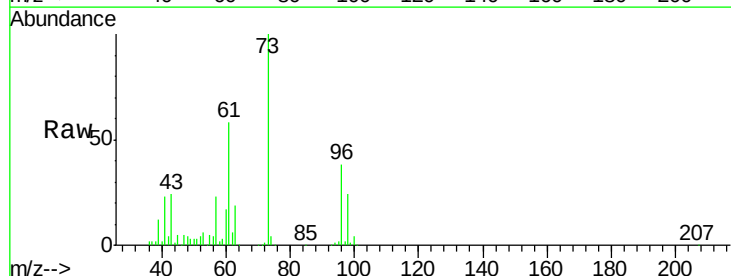
MMDadoda
10/7/2020 12:11:37 PM

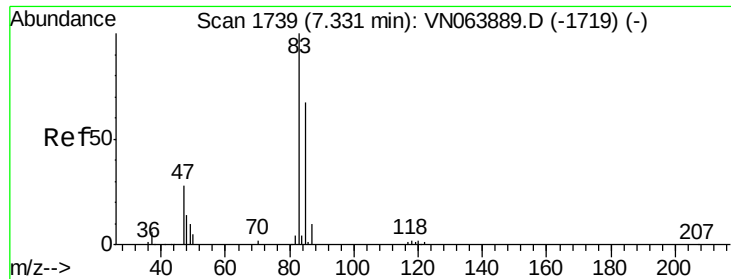


#24

Methyl tert-Butyl Ether
Concen: 137.408 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.7	6.4	9.6#





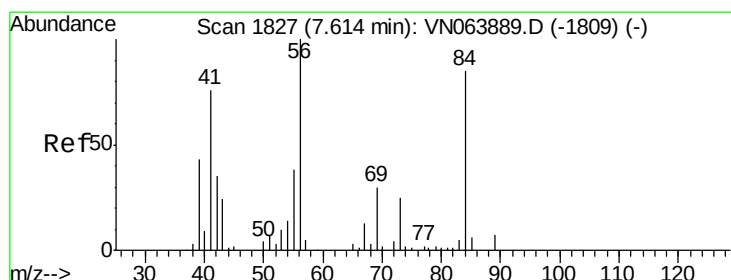
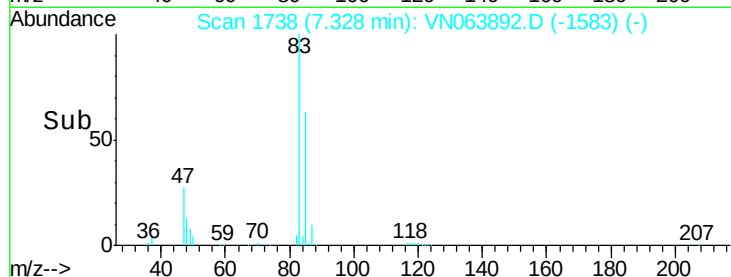
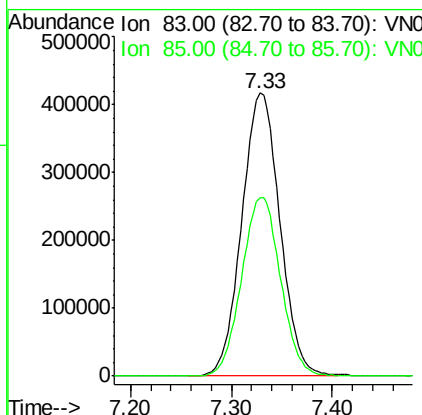
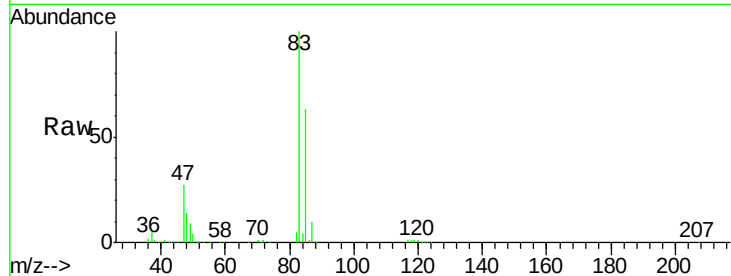
#25
Chloroform
Concen: 142.304 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 1093345
Ion Ratio Lower Upper
83 100
85 63.2 53.2 79.8

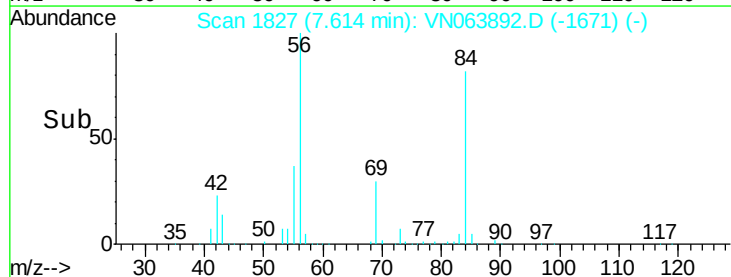
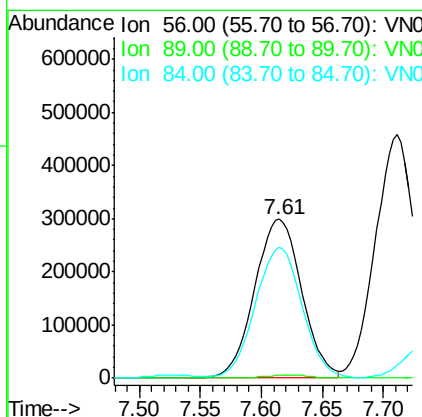
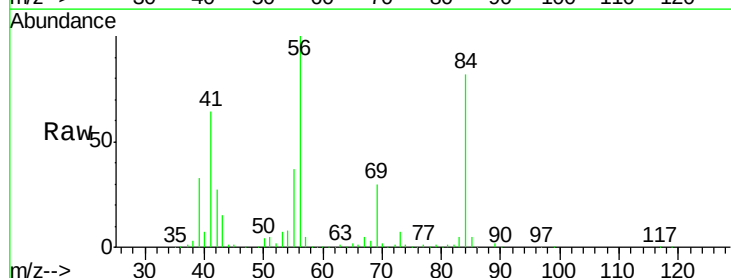
Manual Integrations
APPROVED

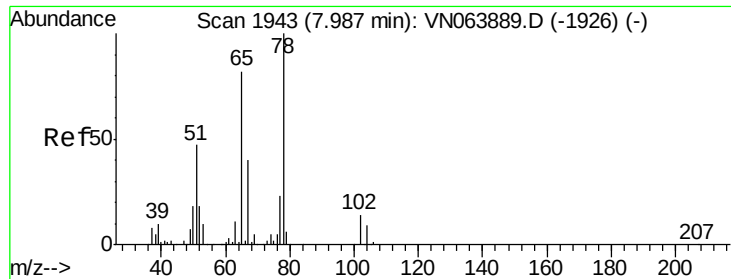
MMDadoda
10/7/2020 12:11:37 PM



#26
Cyclohexane
Concen: 127.988 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion: 56 Resp: 802199
Ion Ratio Lower Upper
56 100
89 1.8 5.4 8.2#
84 81.7 68.2 102.2





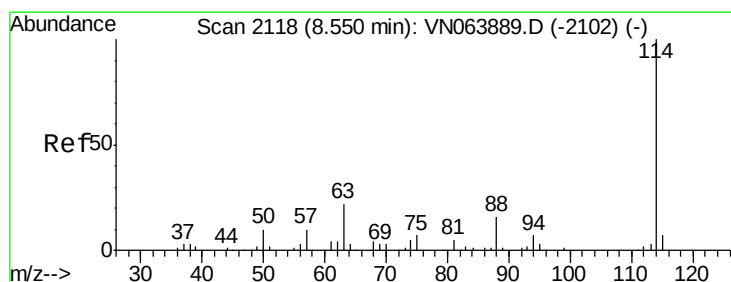
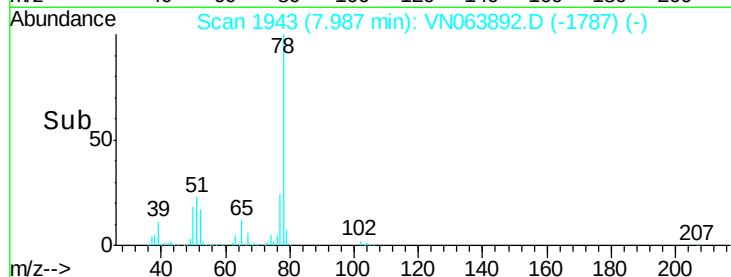
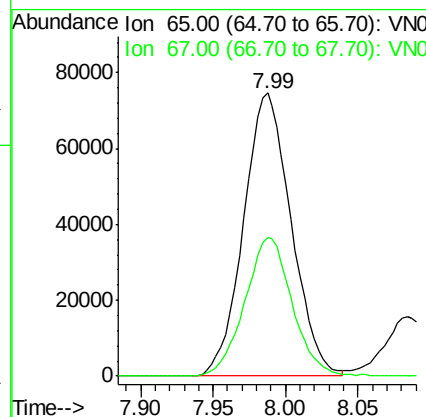
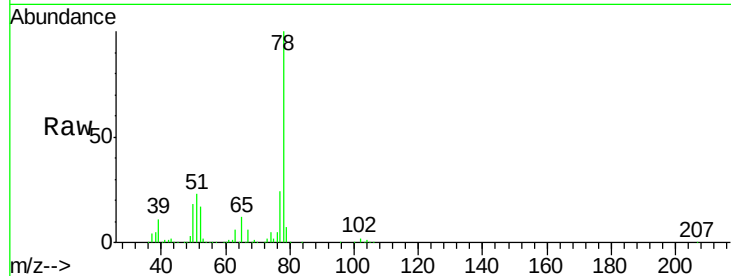
#27
 1,2-Dichloroethane-d4
 Concen: 34.661 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 65 Resp: 170192
 Ion Ratio Lower Upper
 65 100
 67 48.6 40.0 60.0

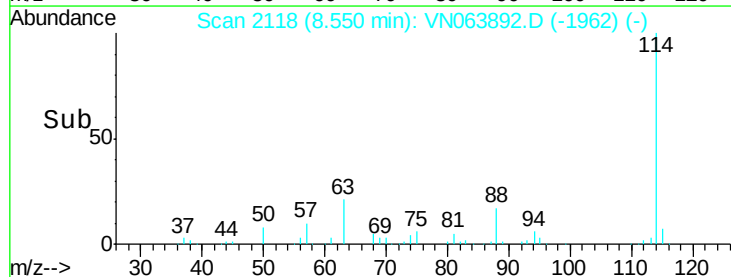
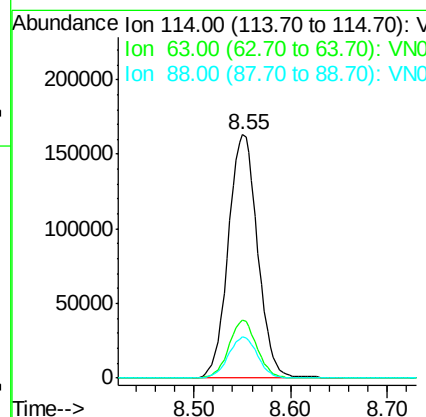
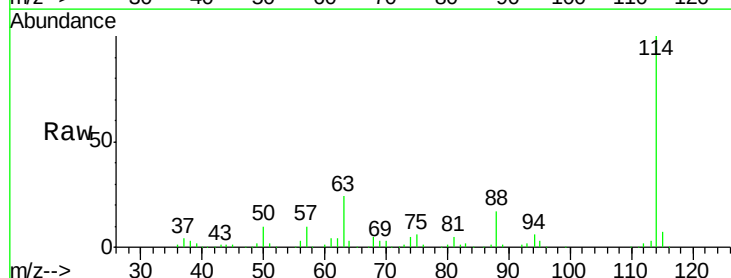
Manual Integrations
 APPROVED

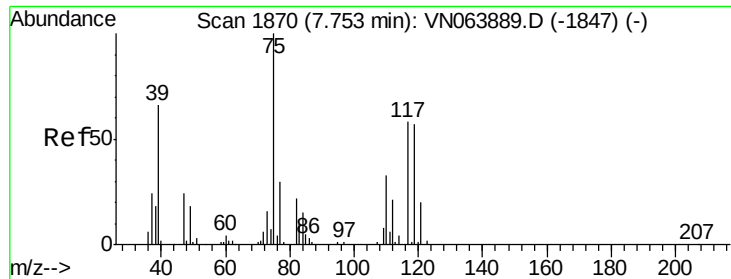
MMDadoda
 10/7/2020 12:11:37 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 114 Resp: 343773
 Ion Ratio Lower Upper
 114 100
 63 22.8 18.6 28.0
 88 16.7 12.9 19.3





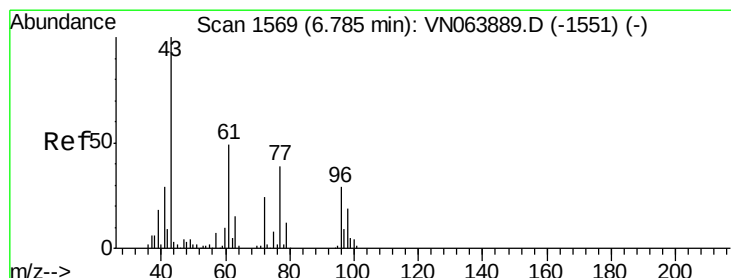
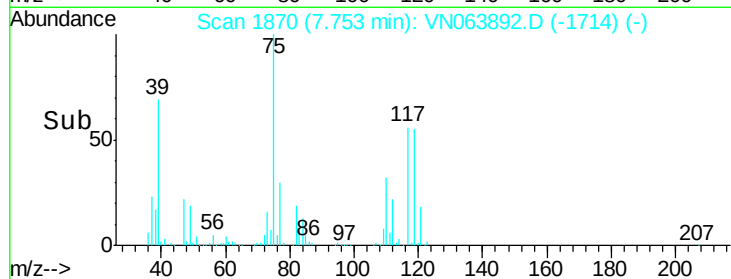
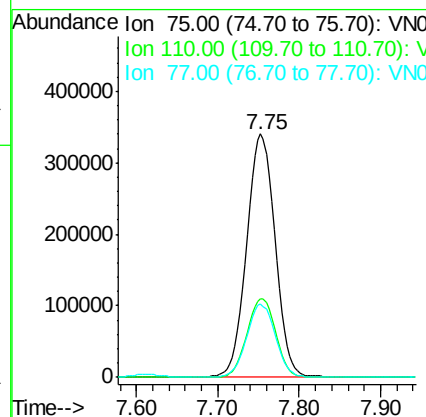
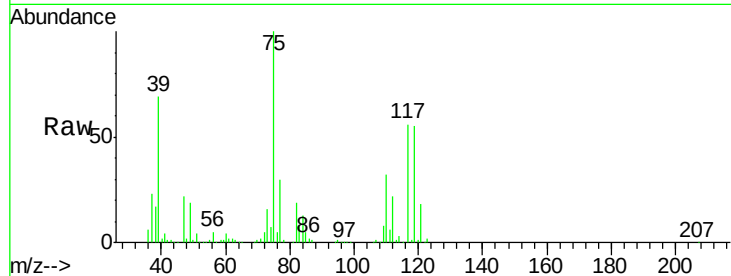
#29
 1,1-Dichloropropene
 Concen: 152.617 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	32.8	0.0	66.6	
77	30.5	0.0	61.4	

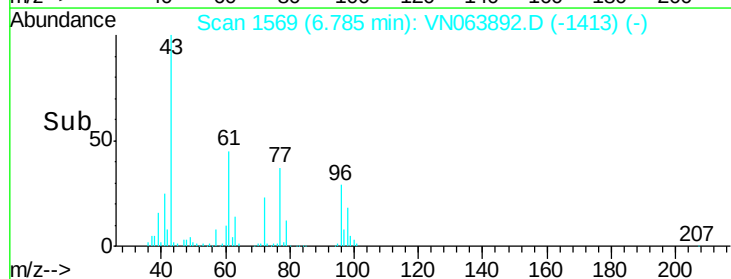
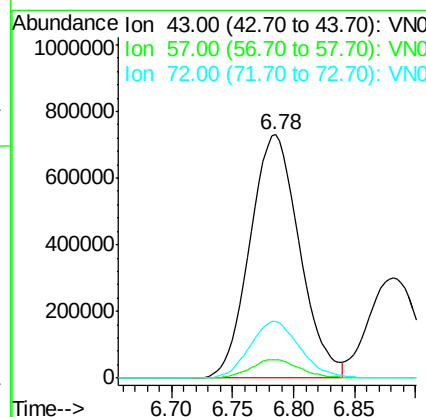
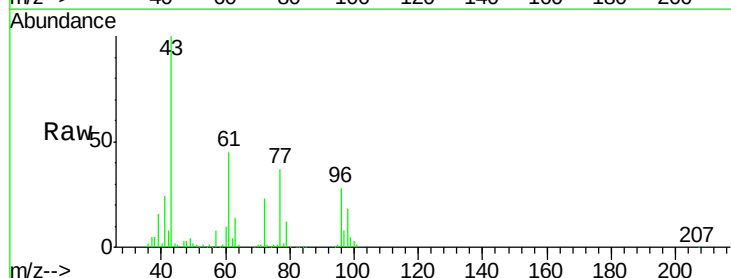
Manual Integrations
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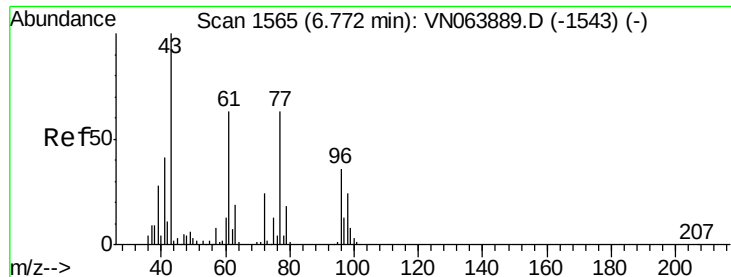
MMDadoda
 10/7/2020 12:11:37 PM



#30
 2-Butanone
 Concen: 816.169 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	7.6	6.2	9.2	
72	23.7	19.4	29.2	





#31

2,2-Dichloropropane

Concen: 142.070 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 77 Resp: 925548

Ion Ratio Lower Upper

77 100

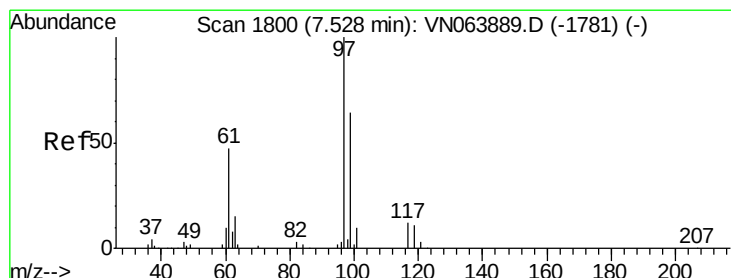
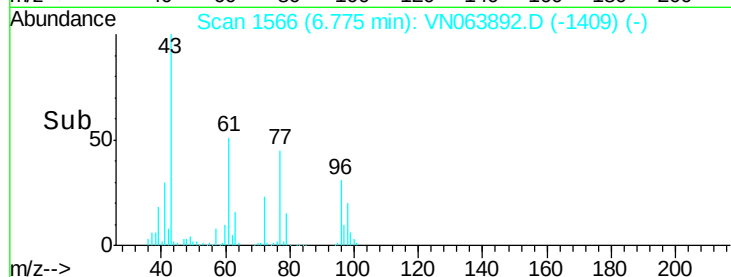
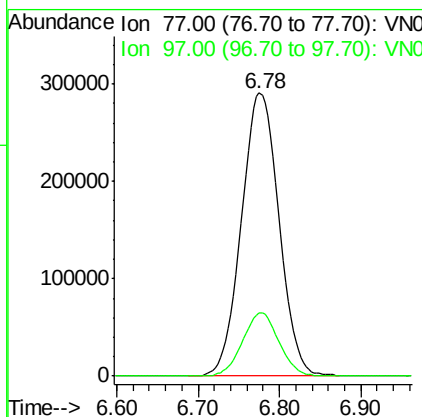
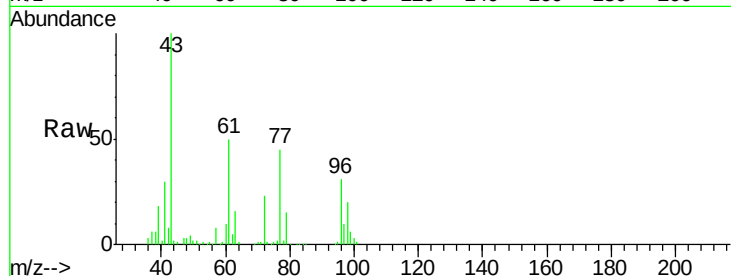
97 21.6 10.2 15.2#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 153.433 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

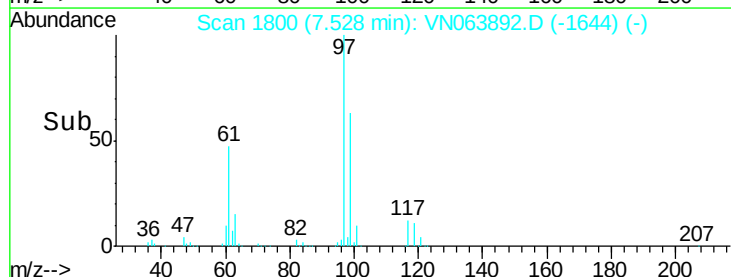
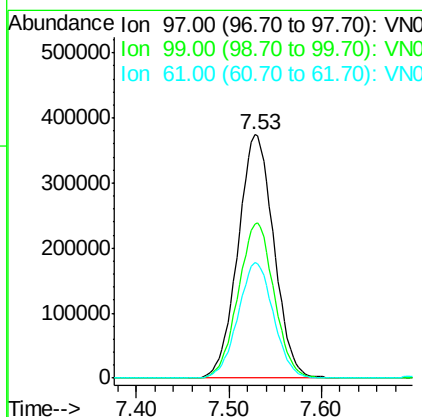
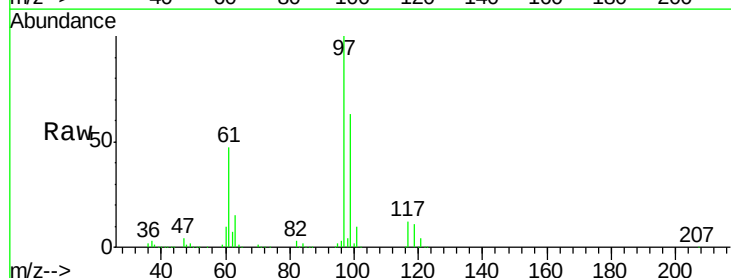
Tgt Ion: 97 Resp: 1005197

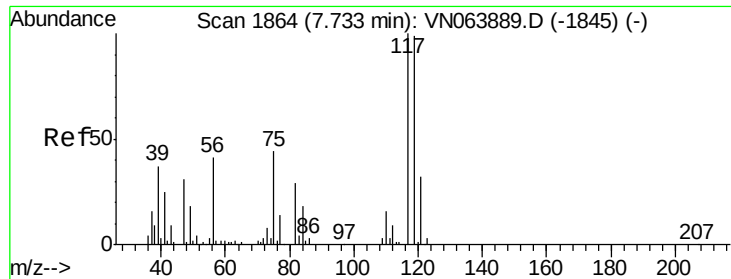
Ion Ratio Lower Upper

97 100

99 63.6 49.7 74.5

61 47.0 38.6 57.8





#33

Carbon Tetrachloride

Concen: 156.330 ug/l

RT: 7.73 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

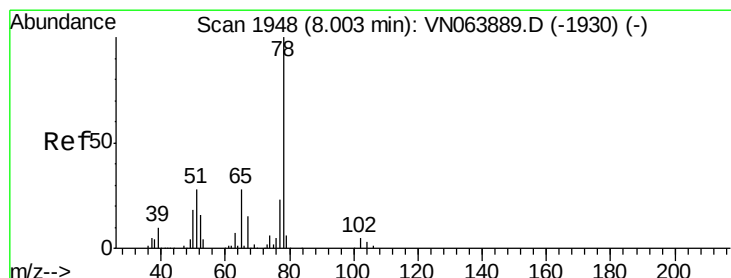
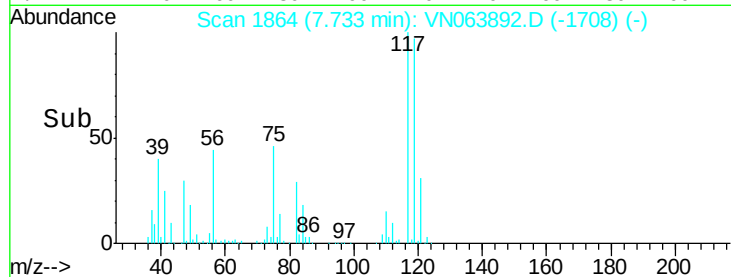
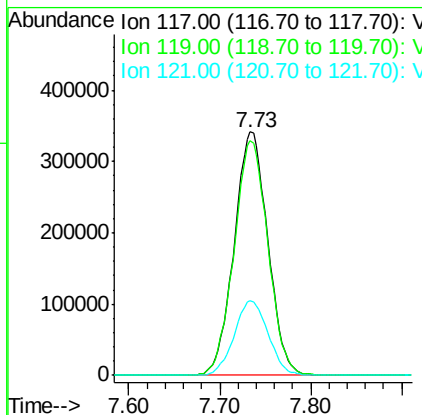
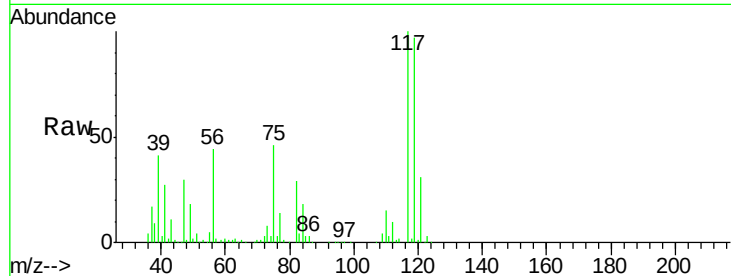
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.6	79.3	118.9
121	30.9	25.7	38.5

Manual Integrations
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#34

Benzene

Concen: 137.135 ug/l

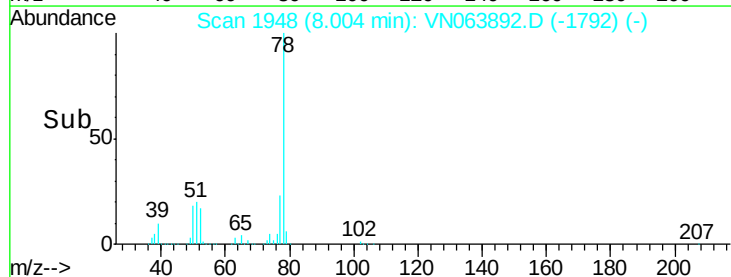
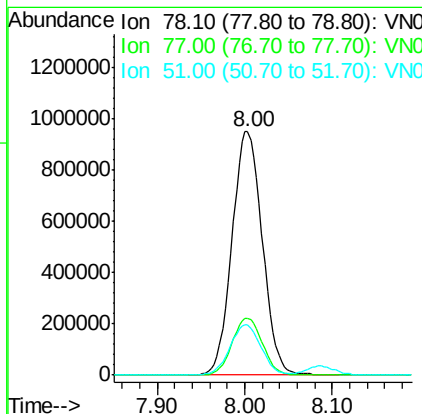
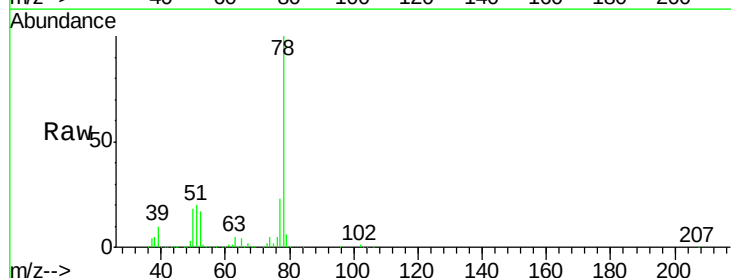
RT: 8.00 min Scan# 1948

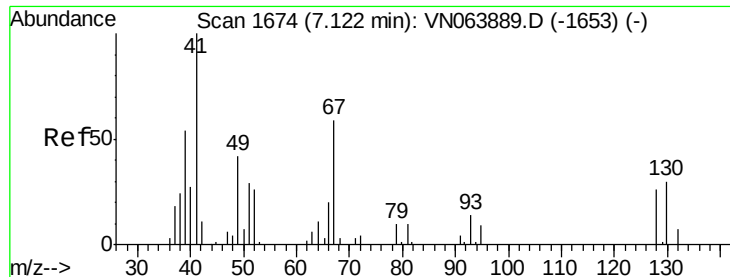
Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.5	27.7
51	20.4	22.7	34.1#





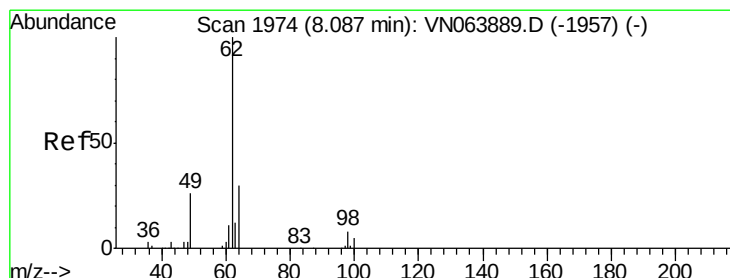
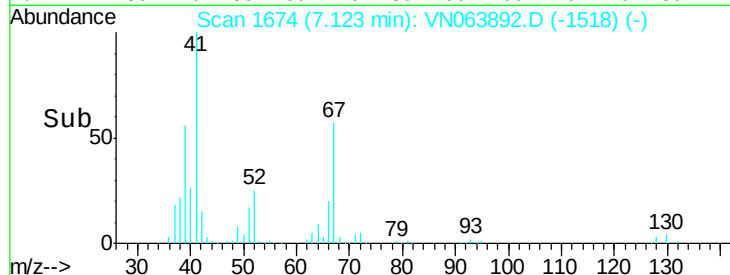
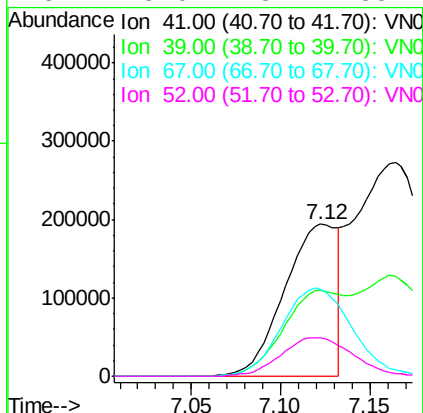
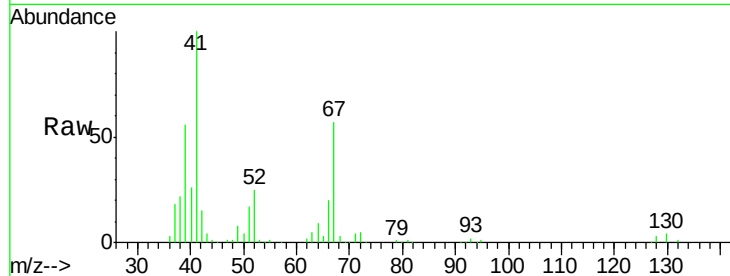
#35
Methacrylonitrile
Concen: 170.933 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	41.00 (40.70 to 41.70): VN0	Resp	397881
Ion Ratio	Lower	Upper	
41	100		
39	56.2	26.8	80.3
67	57.3	29.8	89.3
52	25.0	13.1	39.1

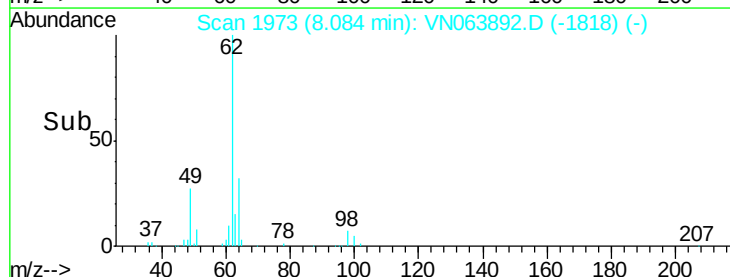
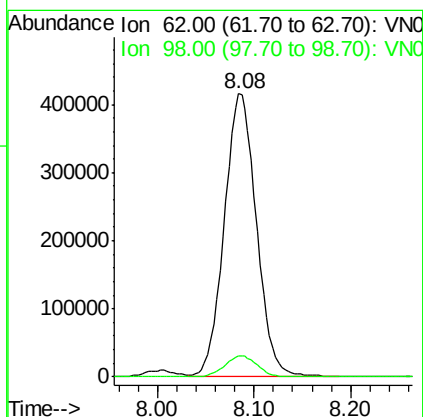
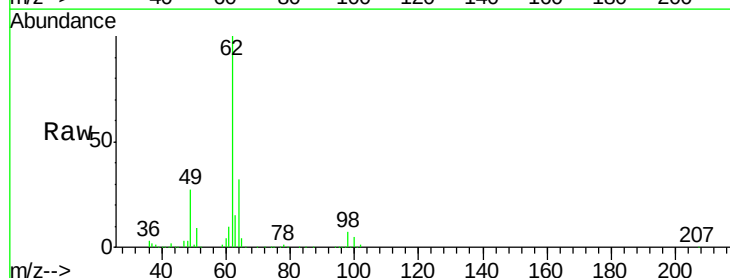
Manual Integrations
APPROVED

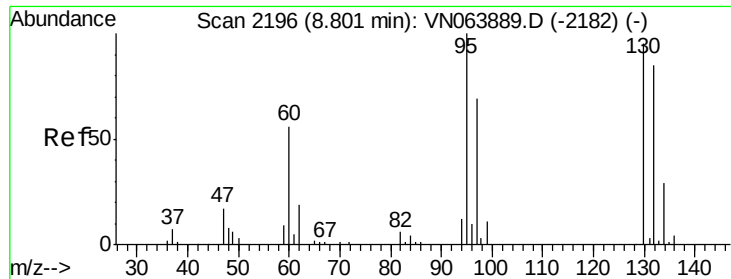
MMDadoda
10/7/2020 12:11:37 PM



#36
1,2-Dichloroethane
Concen: 159.443 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	62.00 (61.70 to 62.70): VN0	Resp	961345
Ion Ratio	Lower	Upper	
62	100		
98	7.5	5.9	8.9





#37

Trichloroethene

Concen: 142.127 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:130 Resp: 585358

Ion Ratio Lower Upper

130 100

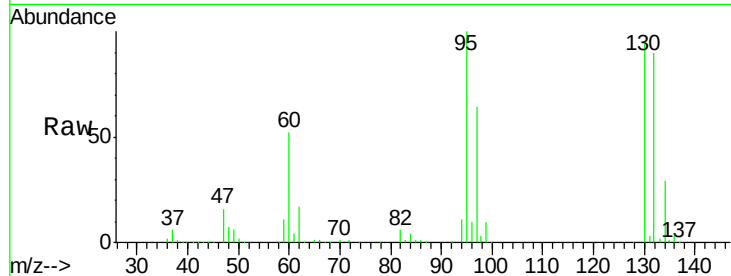
95 106.3 84.5 126.7

Manual Integrations

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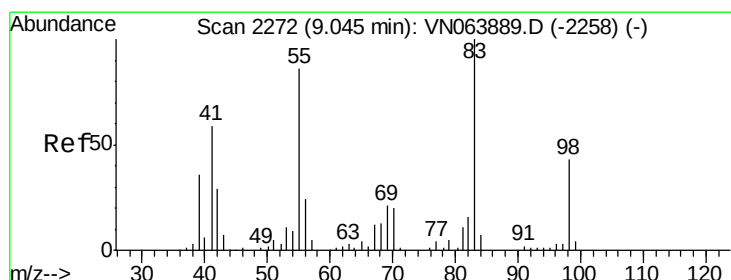
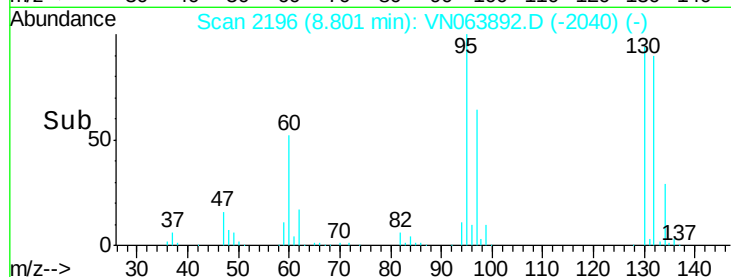
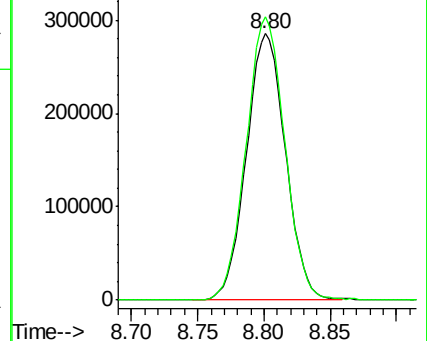
MMDadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 116.063 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

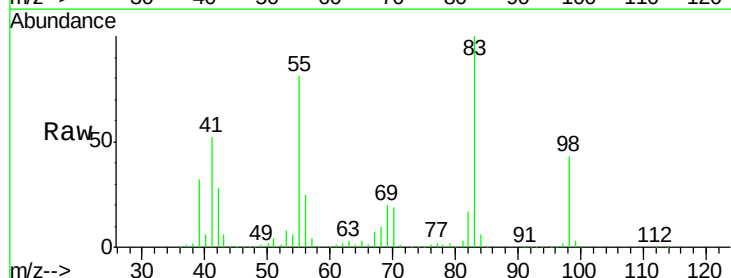
Tgt Ion: 83 Resp: 720033

Ion Ratio Lower Upper

83 100

55 81.8 42.4 127.1

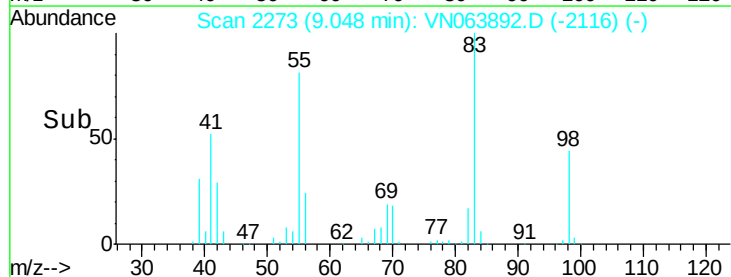
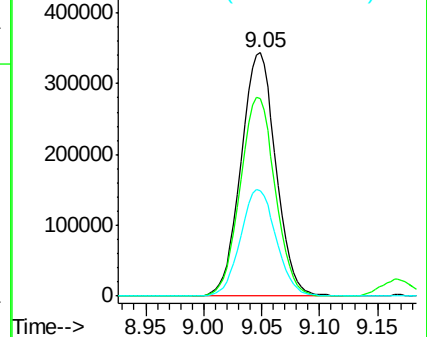
98 44.7 21.6 64.6

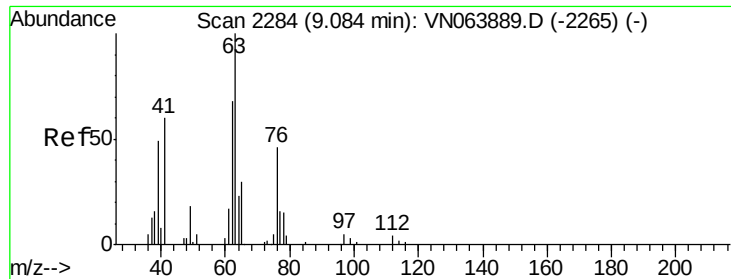


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





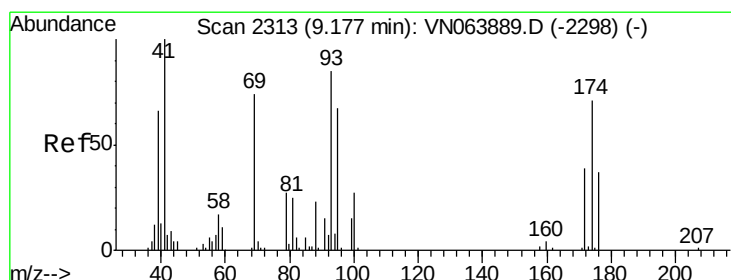
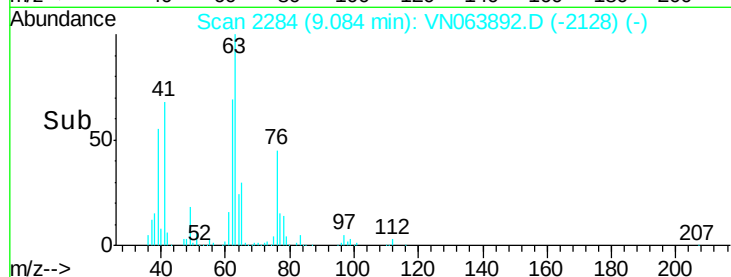
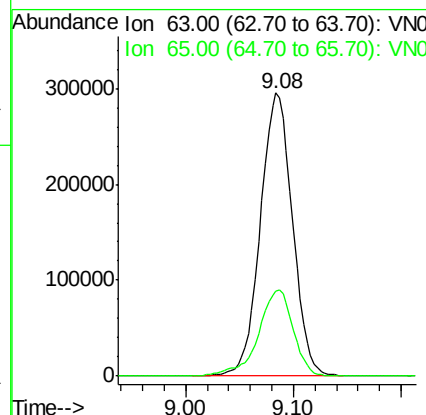
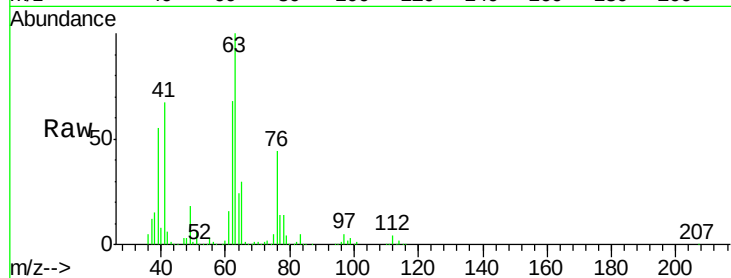
#39
 1,2-Dichloropropane
 Concen: 127.208 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 63 Resp: 609538
 Ion Ratio Lower Upper
 63 100
 65 29.9 24.7 37.1

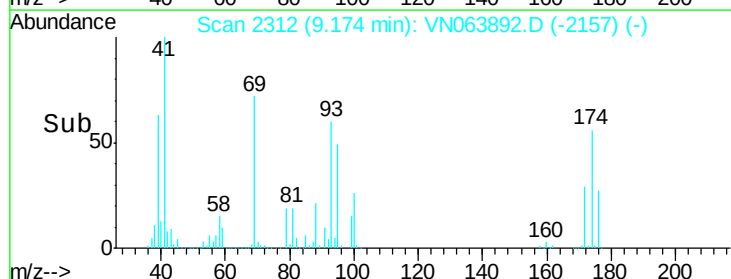
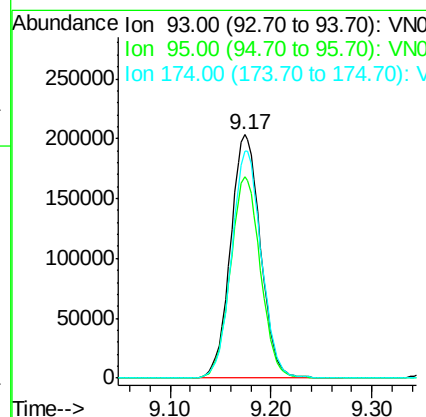
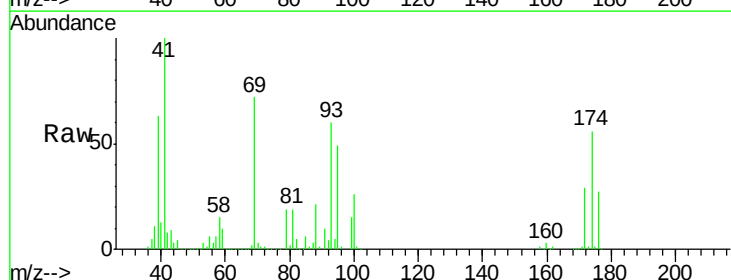
Manual Integrations
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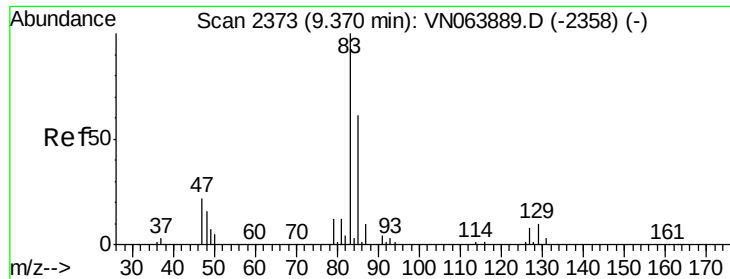
MMDadoda
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#40
 Dibromomethane
 Concen: 145.208 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 93 Resp: 421281
 Ion Ratio Lower Upper
 93 100
 95 82.2 0.0 162.0
 174 92.6 0.0 176.6





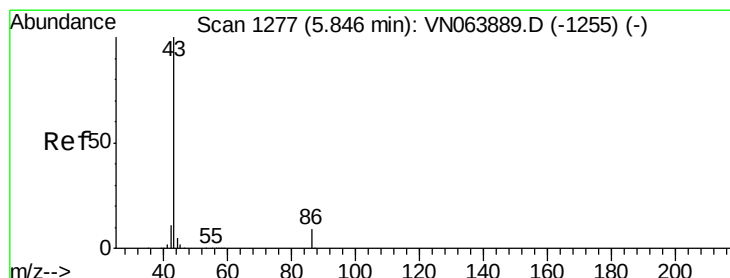
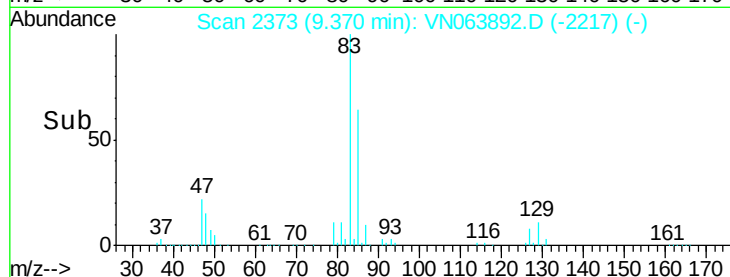
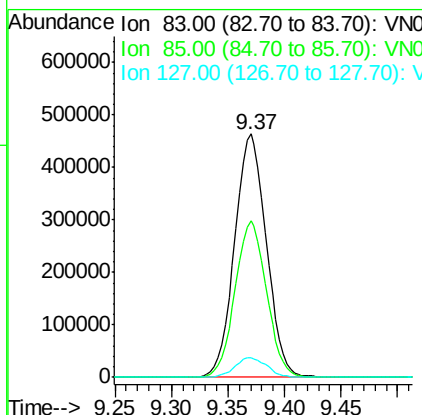
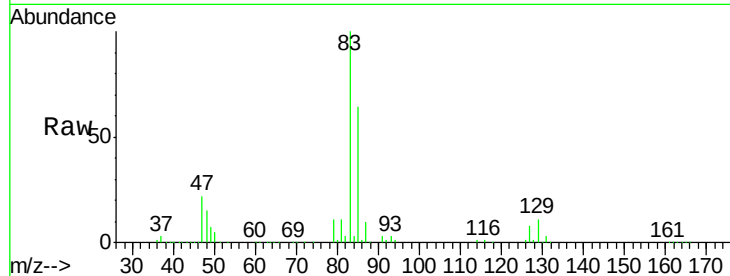
#41
Bromodichloromethane
Concen: 143.974 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	83	Resp	908134
Ion Ratio	100	Lower	Upper
83	100		
85	64.3	49.0	73.6
127	8.0	6.7	10.1

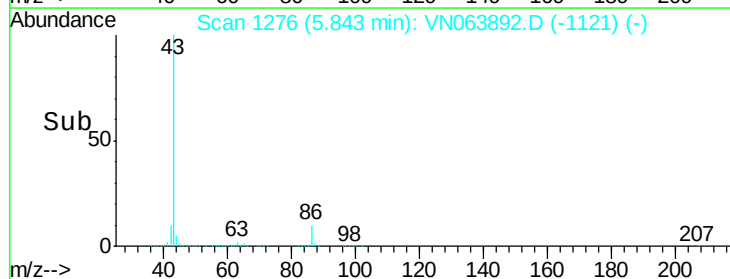
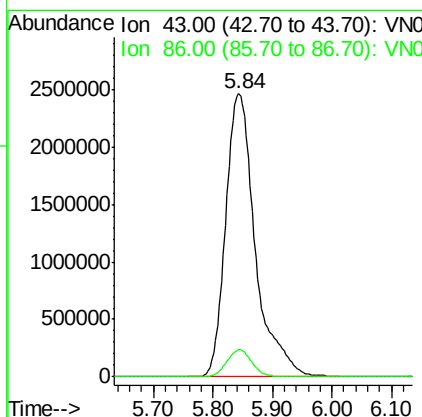
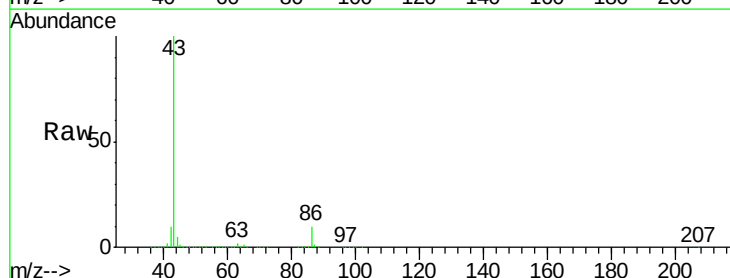
Manual Integrations
APPROVED

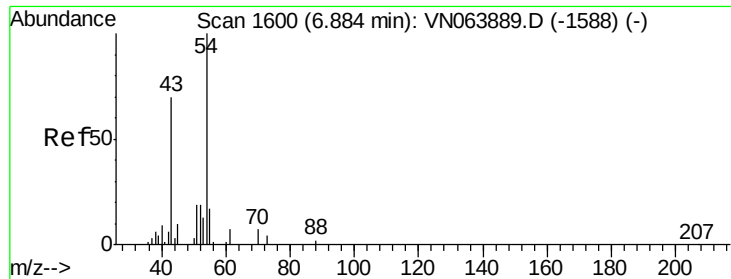
MMDadoda
10/7/2020 12:11:37 PM



#42
Vinyl Acetate
Concen: 865.696 ug/l
RT: 5.84 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	43	Resp	8518666
Ion Ratio	100	Lower	Upper
43	100		
86	8.2	6.4	9.6





#43

Ethyl Acetate

Concen: 184.000 ug/l m

RT: 6.88 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 899832

Ion Ratio Lower Upper

43 100

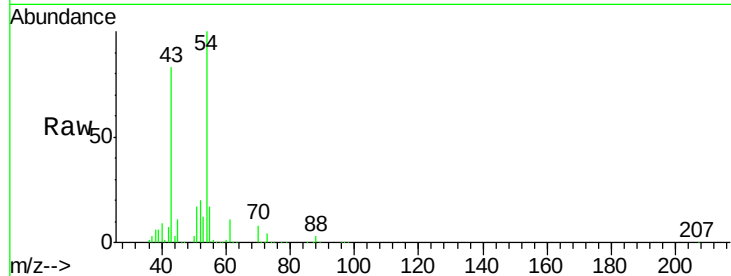
45 0.0 10.2 15.4#

Manual Integrations

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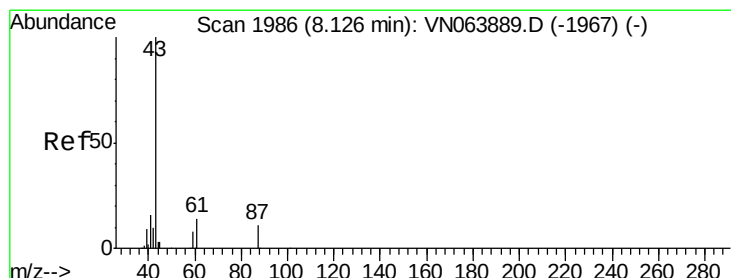
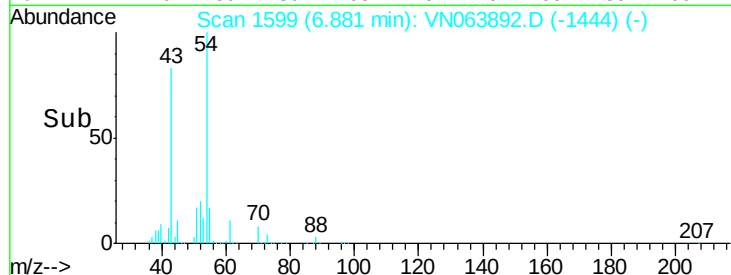
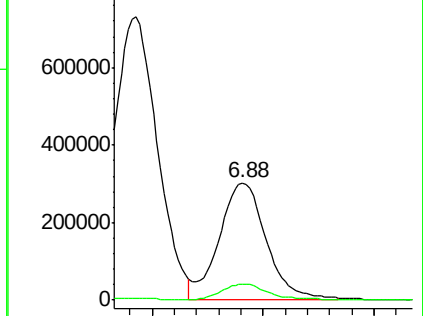
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 177.267 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063892.D

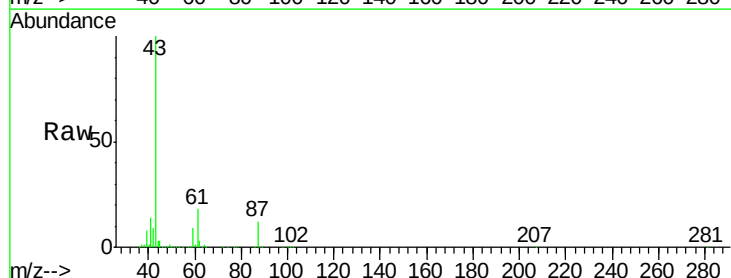
Acq: 6 Oct 2020 12:03

Tgt Ion: 43 Resp: 1481567

Ion Ratio Lower Upper

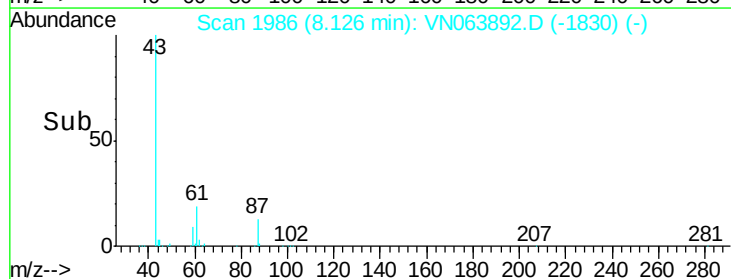
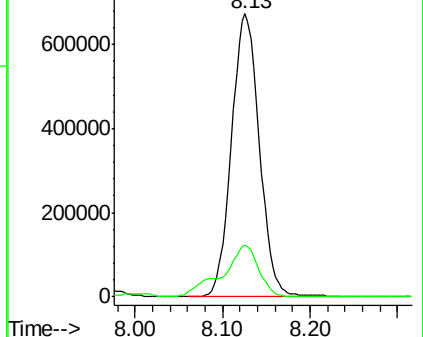
43 100

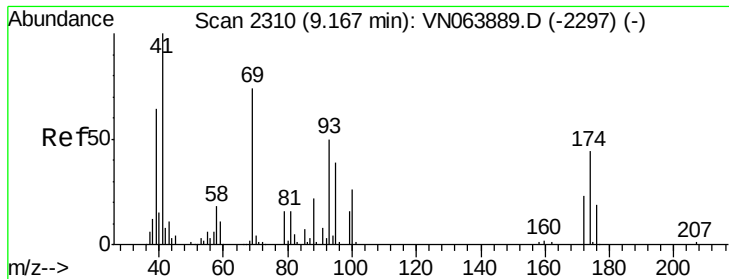
61 17.7 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





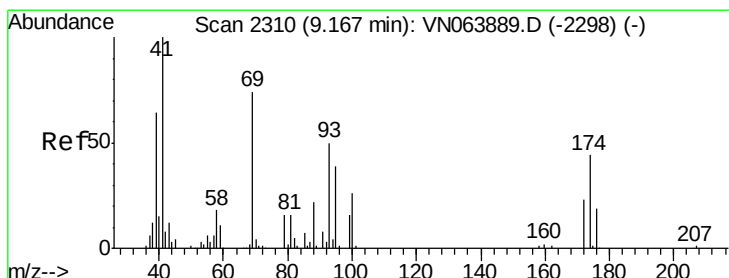
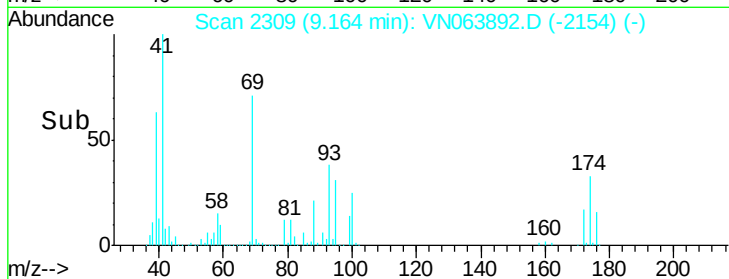
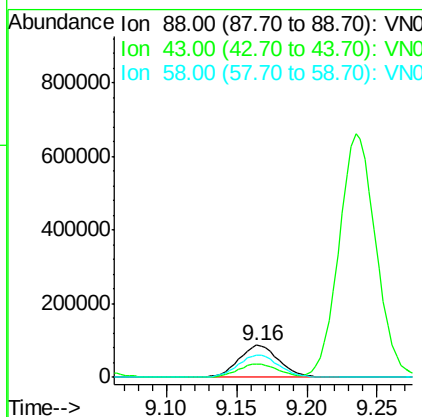
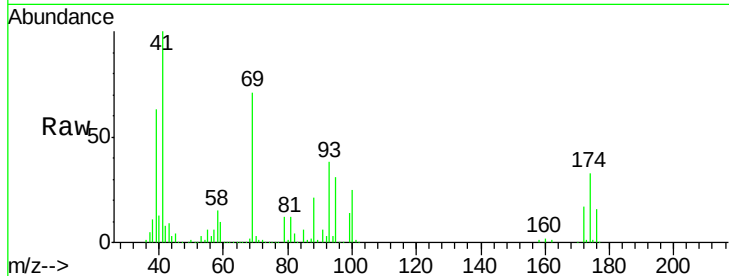
#45
1,4-Dioxane
Concen: 2463.249 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.7	34.0	51.0
58	71.4	64.9	97.3

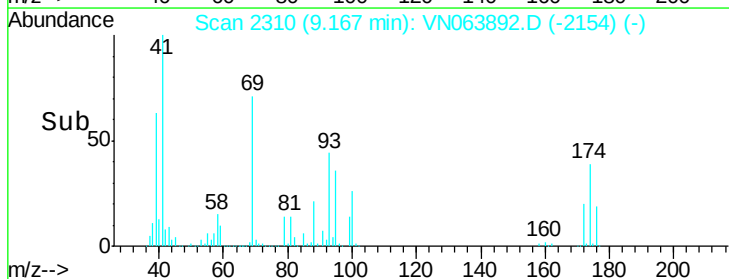
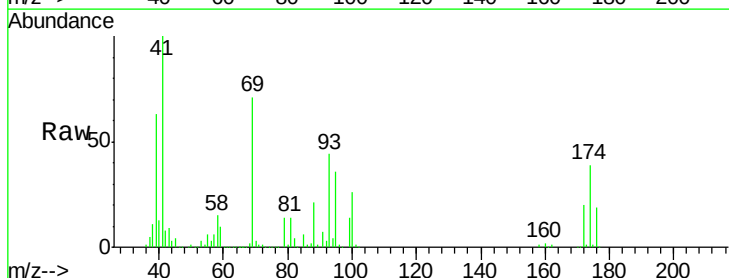
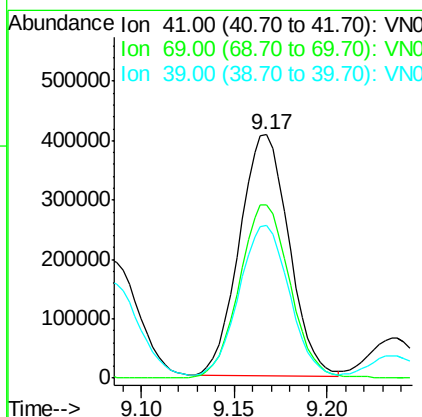
Manual Integrations
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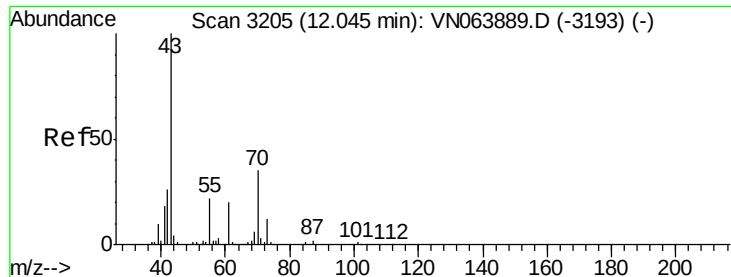
MMDadoda
10/7/2020 12:11:37 PM



#46
Methyl methacrylate
Concen: 182.962 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.0	36.9	110.7
39	62.2	31.9	95.5





#47

n-amvl Acetate

Concen: 192.464 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 1415017

Ion Ratio Lower Upper

43 100

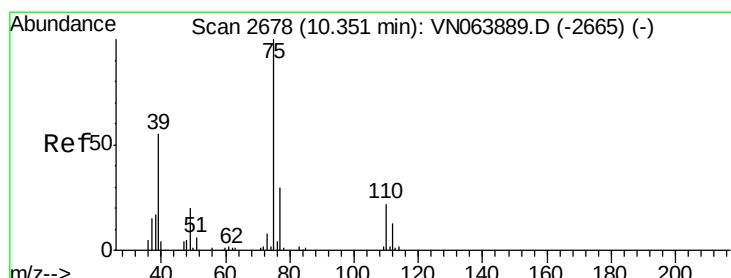
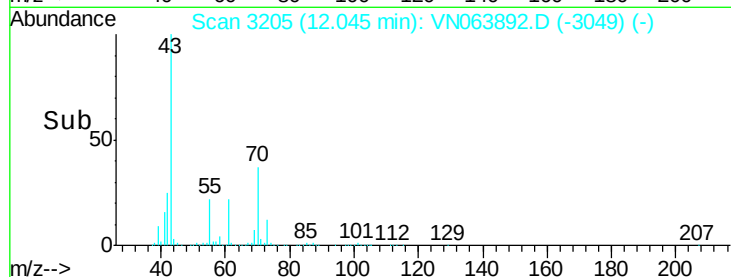
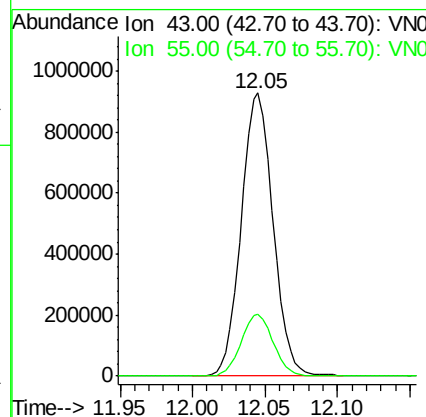
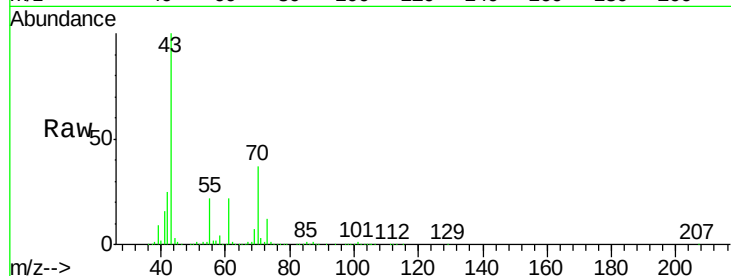
55 22.2 17.8 26.6

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 153.881 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN063892.D

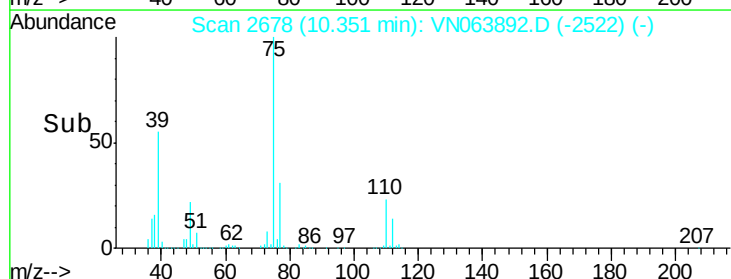
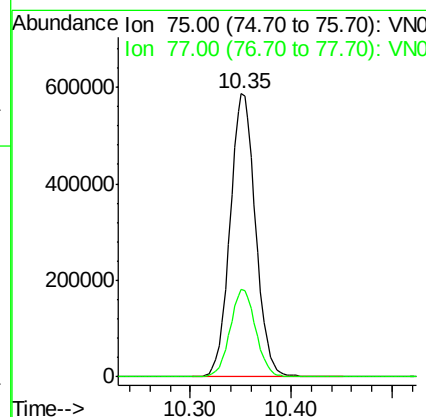
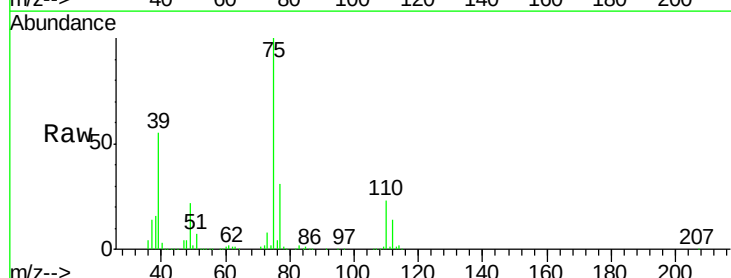
Acq: 6 Oct 2020 12:03

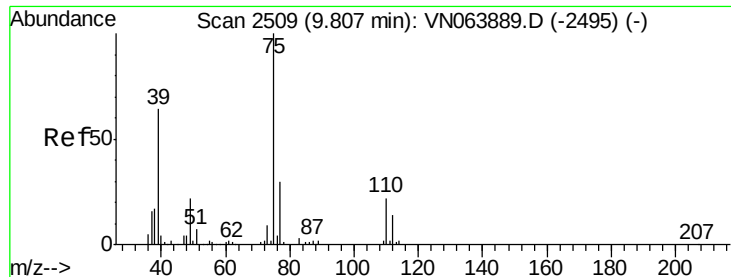
Tgt Ion: 75 Resp: 1033601

Ion Ratio Lower Upper

75 100

77 30.9 24.2 36.4





#49

cis-1,3-Dichloropropene

Concen: 147.350 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 1056962

Ion Ratio Lower Upper

75 100

77 31.1 24.1 36.1

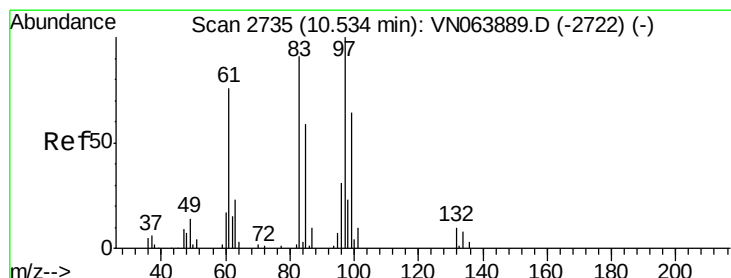
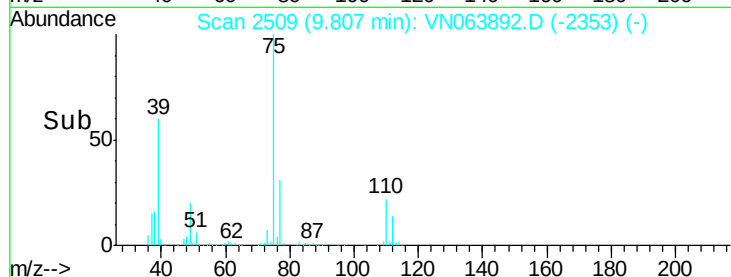
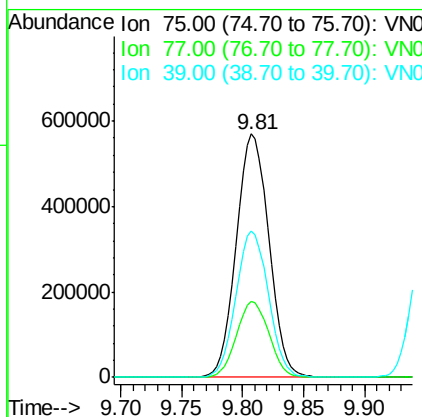
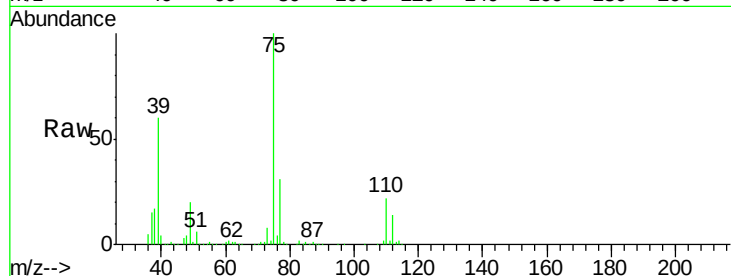
39 60.1 51.0 76.4

Manual Integrations

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#50

1,1,2-Trichloroethane

Concen: 134.486 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Tgt Ion: 97 Resp: 578481

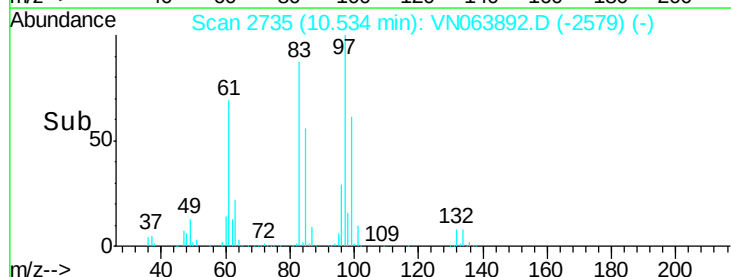
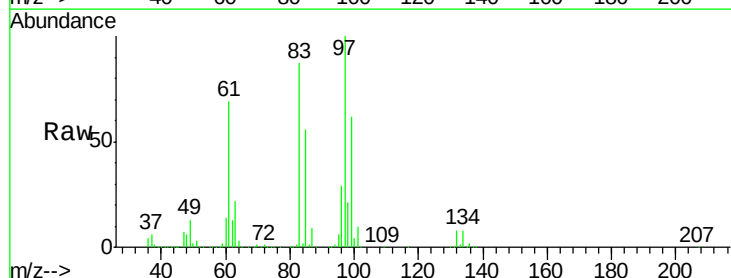
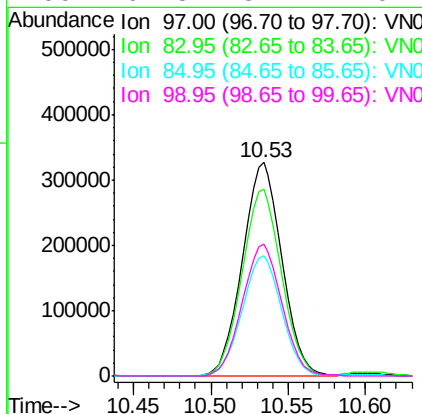
Ion Ratio Lower Upper

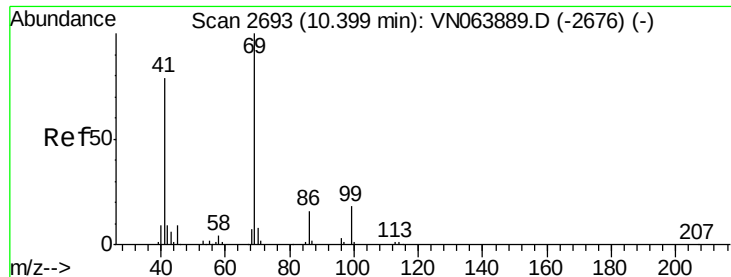
97 100

83 87.3 73.0 109.6

85 56.1 46.9 70.3

99 61.8 51.1 76.7





#51

Ethyl methacrylate

Concen: 157.731 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

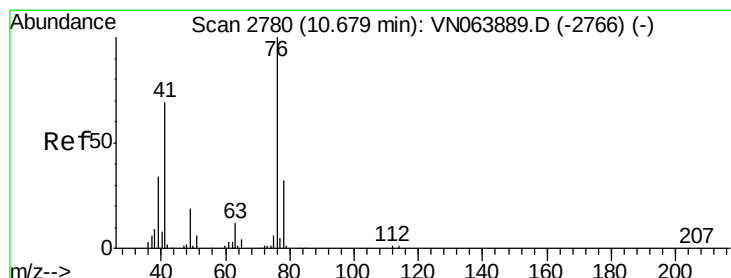
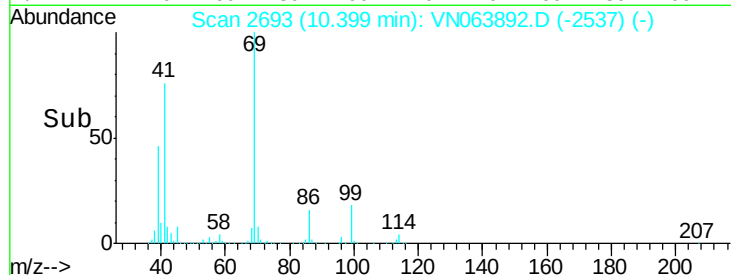
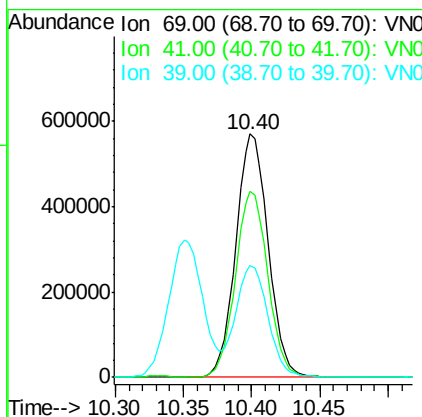
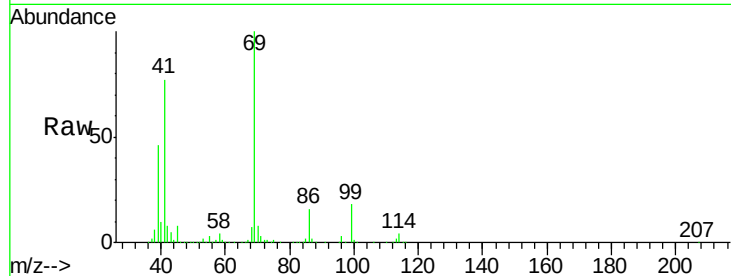
ClientSampleId :

VSTDIC150

Tot Ion:	69	Resp:	939271
Ion	Ratio	Lower	Upper
69	100		
41	76.4	39.6	118.7
39	45.7	25.9	77.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 140.929 ug/l

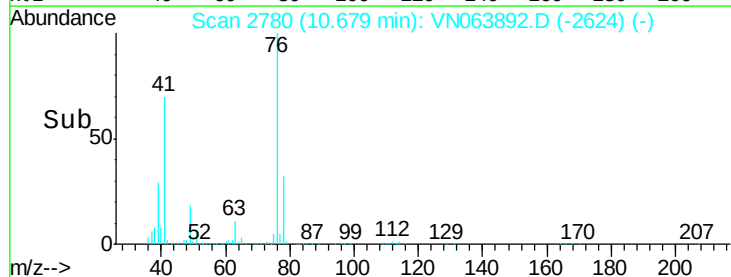
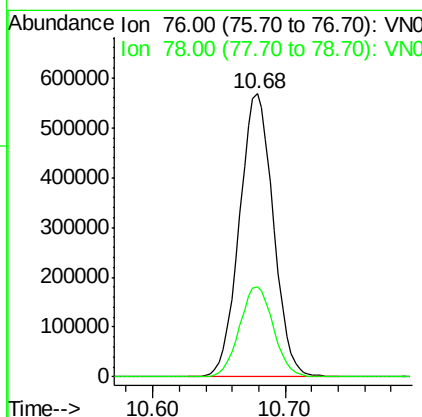
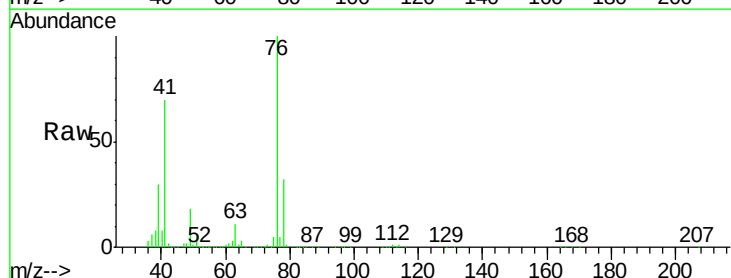
RT: 10.68 min Scan# 2780

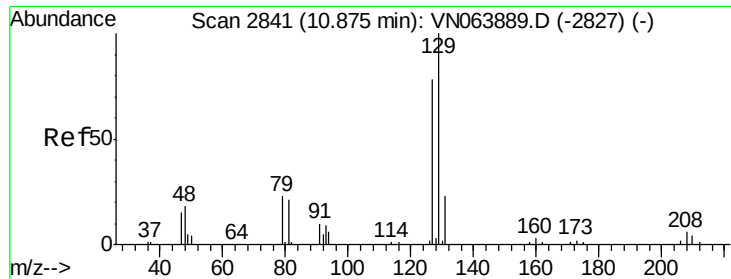
Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Tgt Ion:	76	Resp:	1006424
Ion	Ratio	Lower	Upper
76	100		
78	32.0	0.0	66.0





#53

Dibromochloromethane

Concen: 145.960 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:129 Resp: 698678

Ion Ratio Lower Upper

129 100

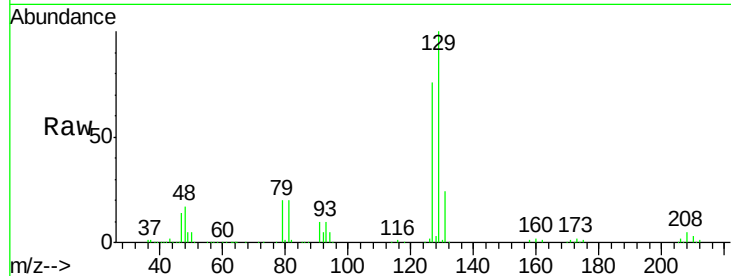
127 76.7 38.4 115.1

Manual Integrations

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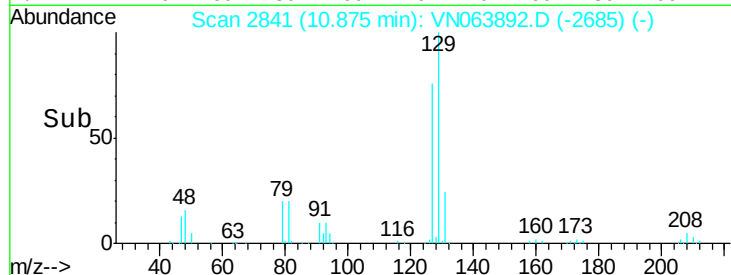
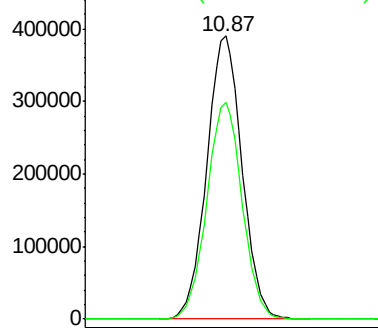
MMDadoda

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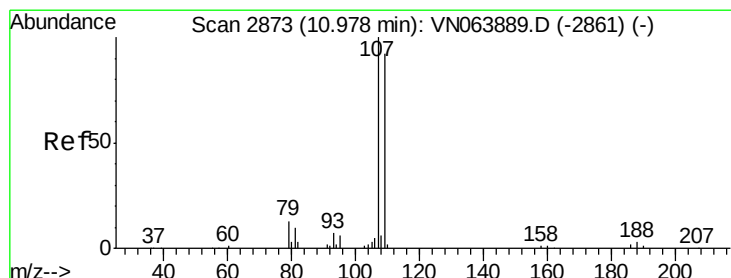


Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->



#54

1,2-Dibromoethane

Concen: 147.743 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN063892.D

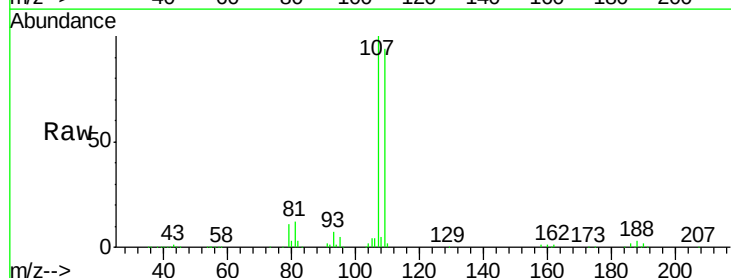
Acq: 6 Oct 2020 12:03

Tgt Ion:107 Resp: 622887

Ion Ratio Lower Upper

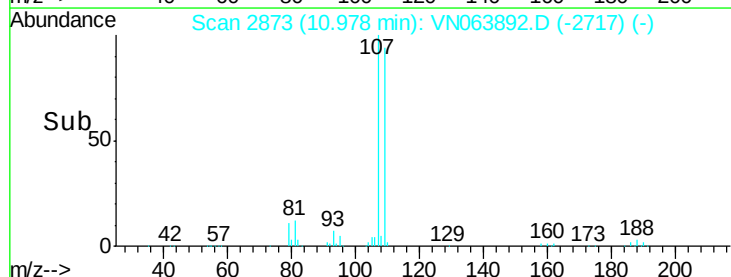
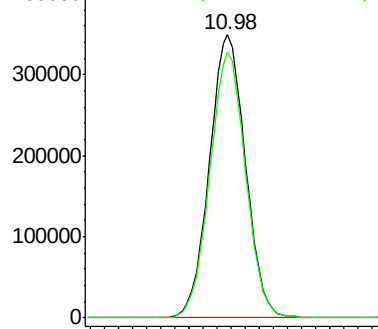
107 100

109 93.7 74.7 112.1

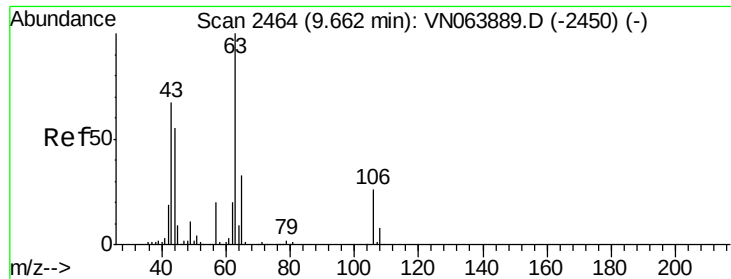


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->



#55

2-Chloroethyl vinyl ether

Concen: 1480.611 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 2418357

Ion Ratio Lower Upper

63 100

65 32.4 25.4 38.2

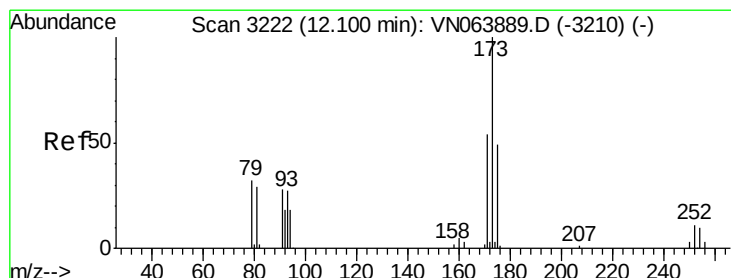
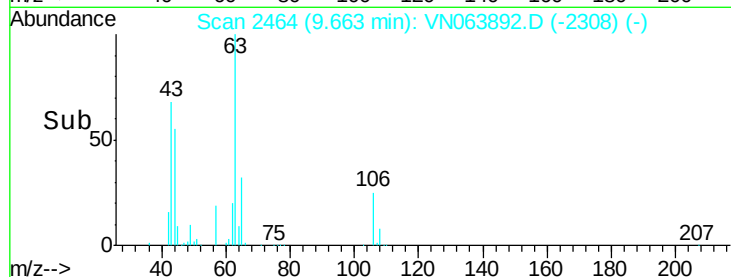
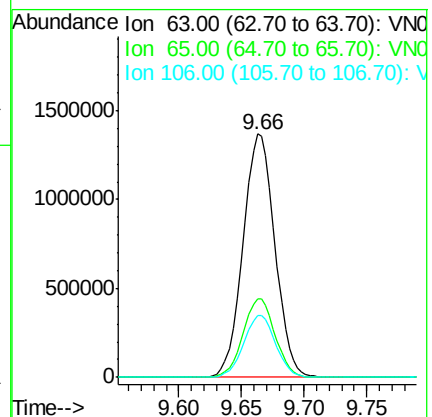
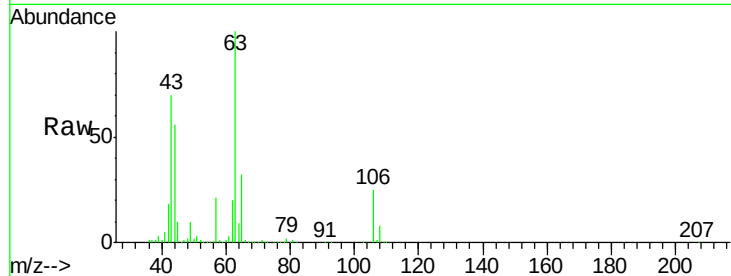
106 25.4 20.3 30.5

Manual Integrations

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#56

Bromoform

Concen: 148.235 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

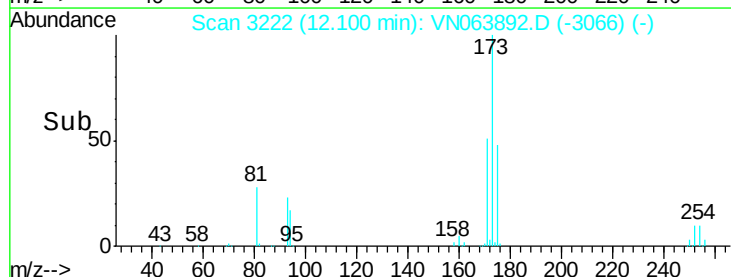
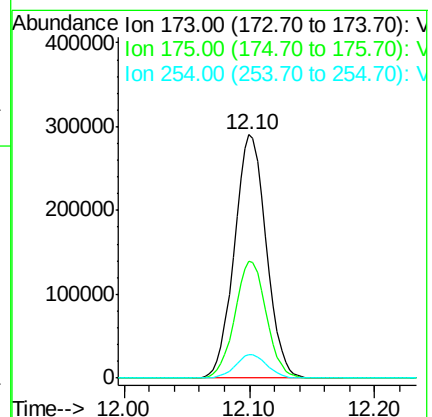
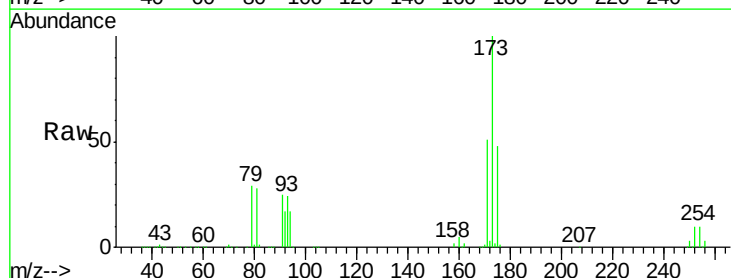
Tgt Ion: 173 Resp: 512229

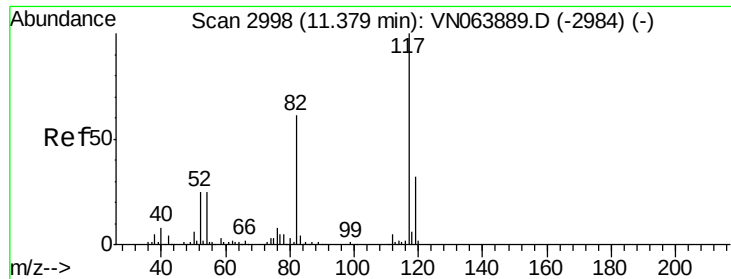
Ion Ratio Lower Upper

173 100

175 47.5 39.4 59.2

254 9.6 7.8 11.6





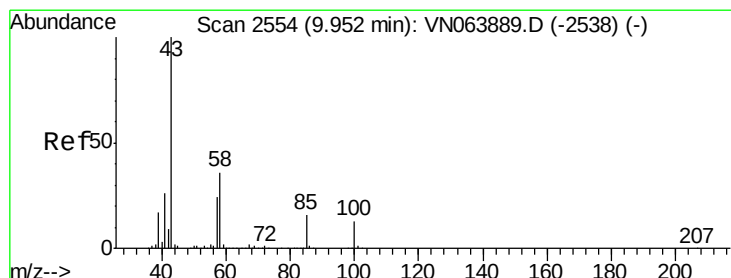
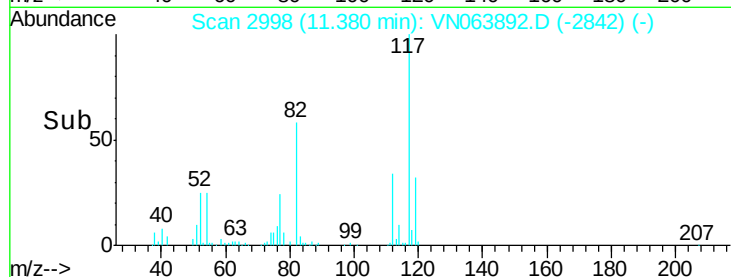
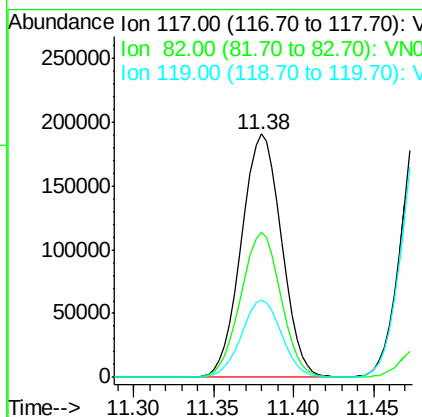
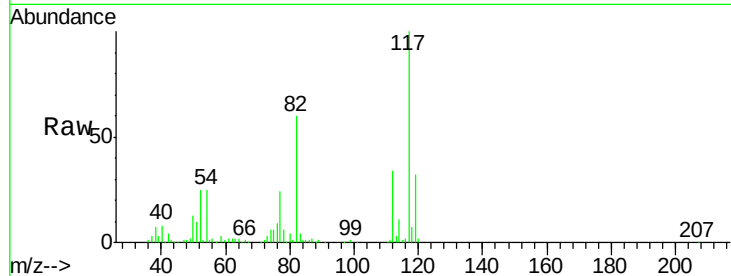
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.7	71.5
119	31.8	25.7	38.5

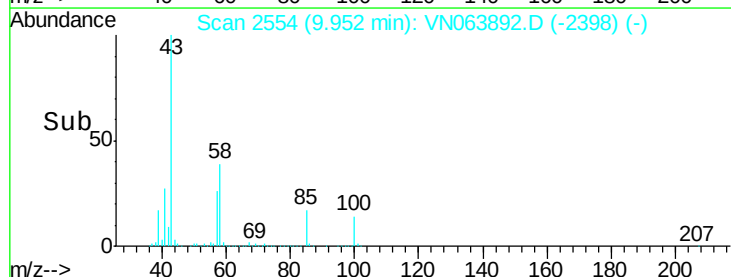
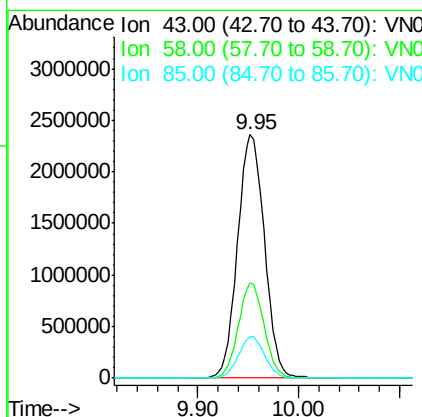
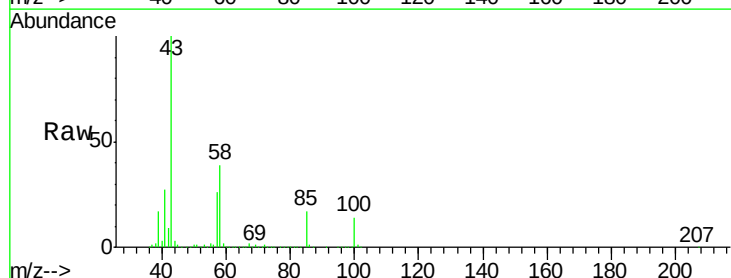
Manual Integrations
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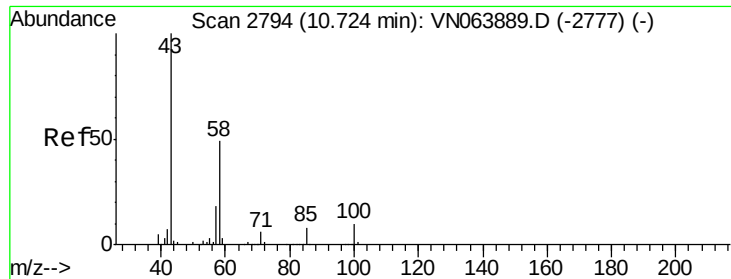
MMDadoda
10/7/2020 12:11:37 PM



#58
4-Methyl-2-Pentanone
Concen: 839.615 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.5	28.2	42.4
85	16.6	12.8	19.2





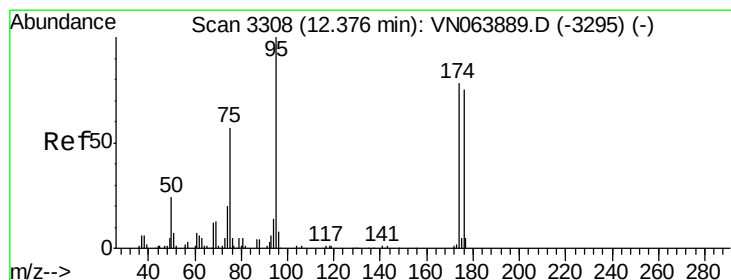
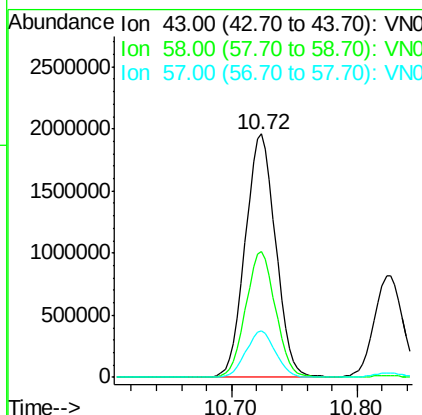
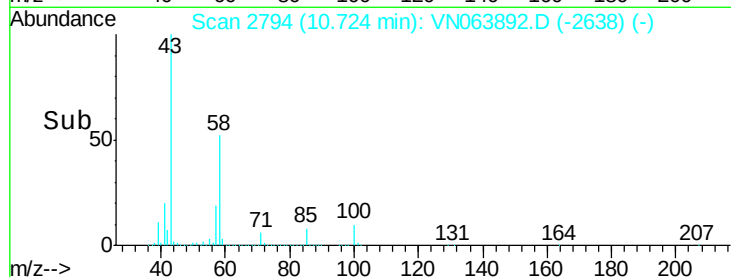
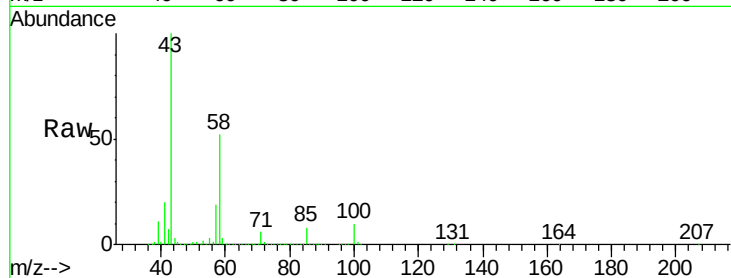
#59
2-Hexanone
Concen: 884.731 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 3303268
Ion Ratio Lower Upper
43 100
58 50.8 38.9 58.3
57 18.5 14.6 22.0

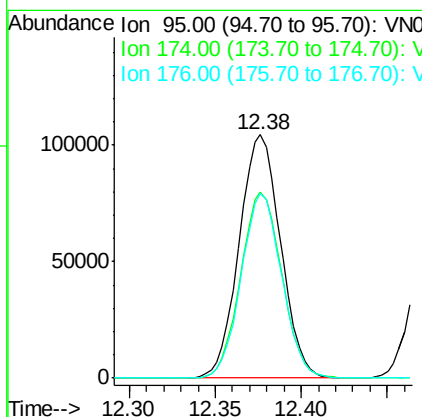
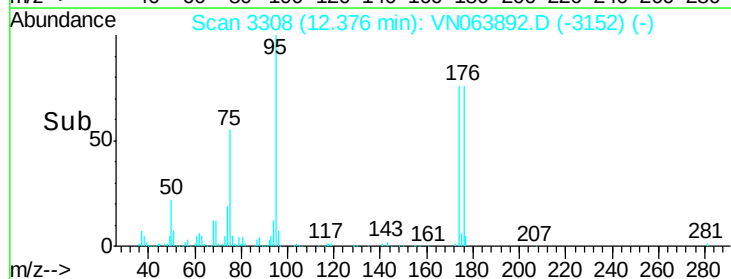
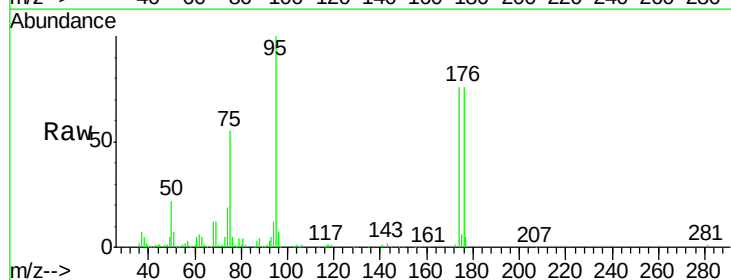
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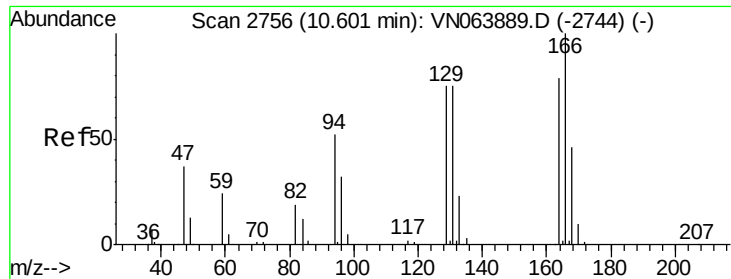
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 33.227 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion: 95 Resp: 174510
Ion Ratio Lower Upper
95 100
174 76.2 61.0 91.4
176 74.2 58.5 87.7





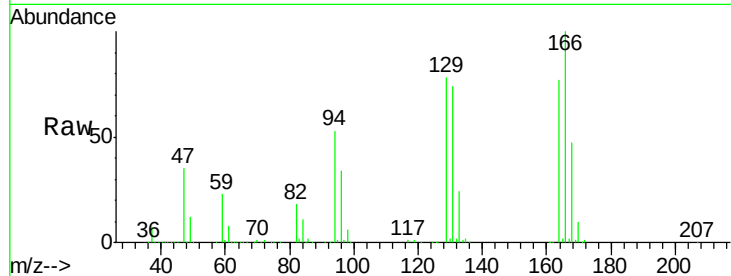
#61
Tetrachloroethene
Concen: 139.132 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
164	100		
166	129.4	102.2	153.4
129	100.3	77.2	115.8
131	96.0	76.6	114.8

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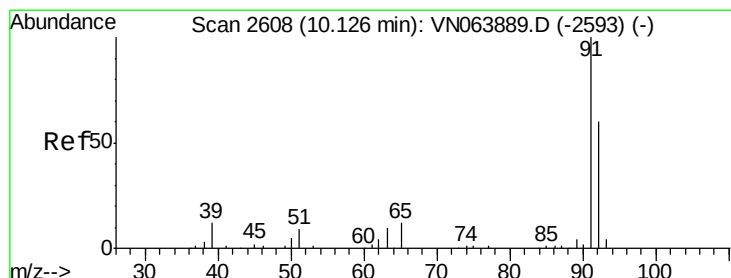
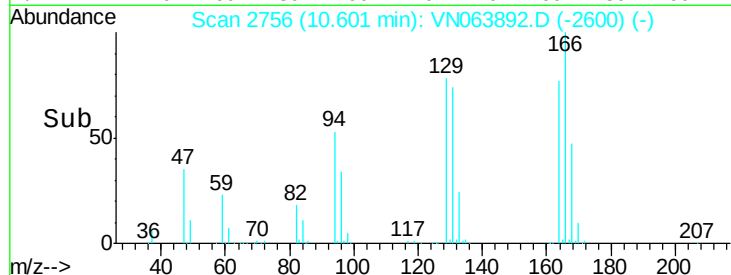
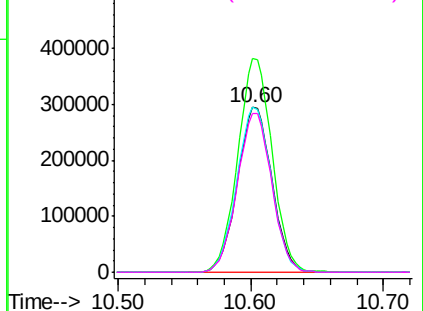


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

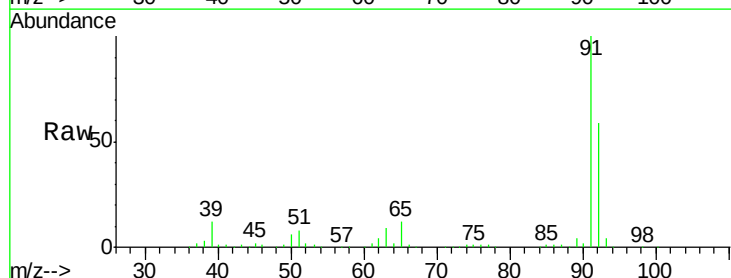
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



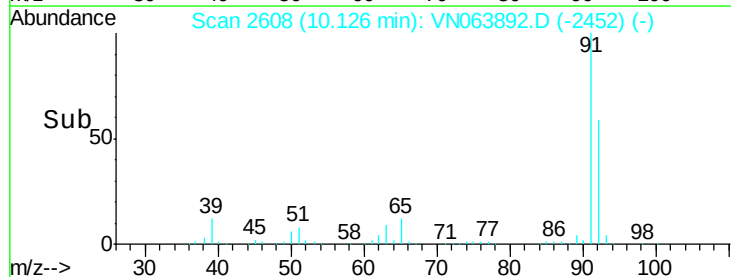
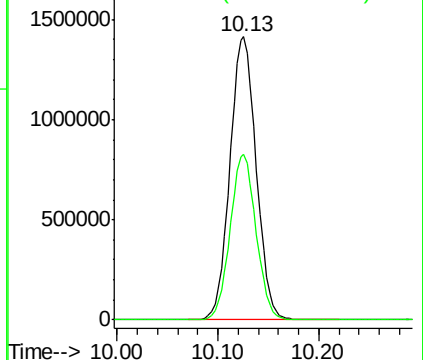
#62
Toluene
Concen: 141.674 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

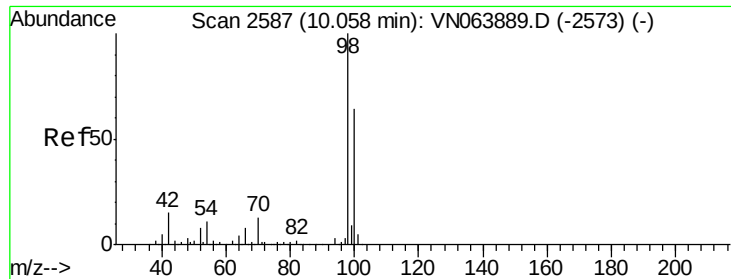
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	47.2	70.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





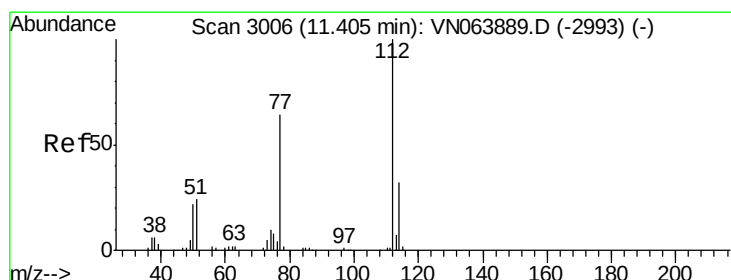
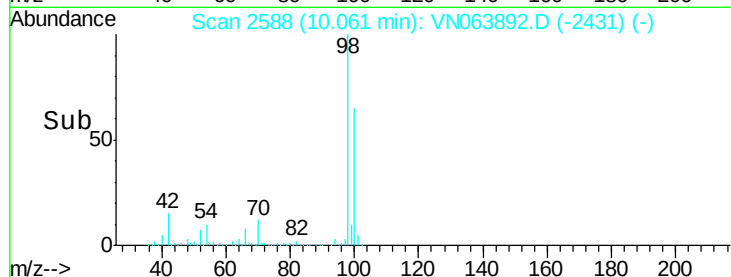
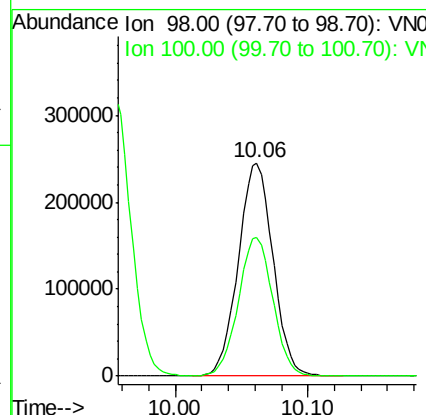
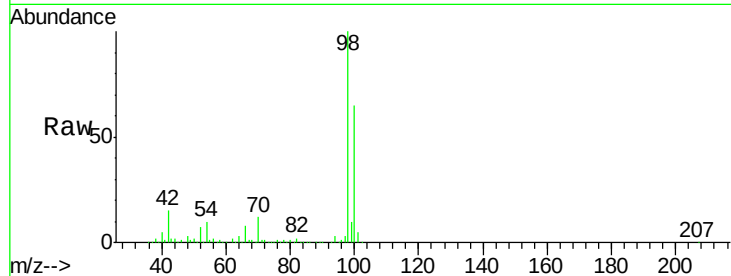
#63
Toluene-d8
Concen: 29.781 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Tot Ion: 98 Resp: 446202
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6

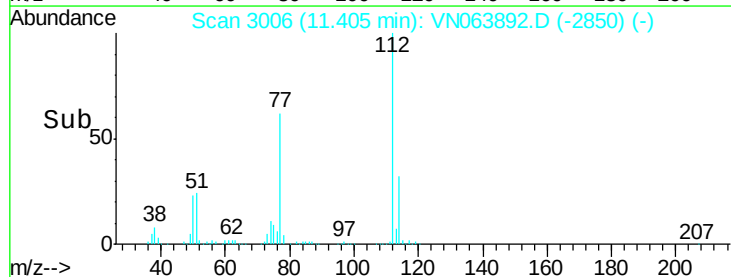
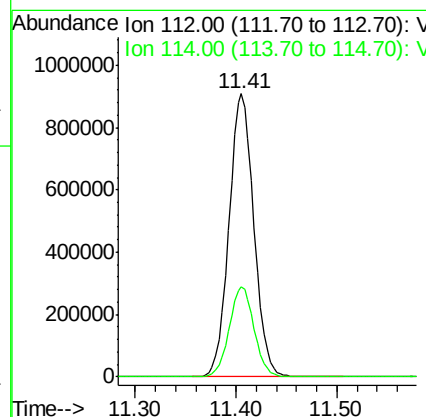
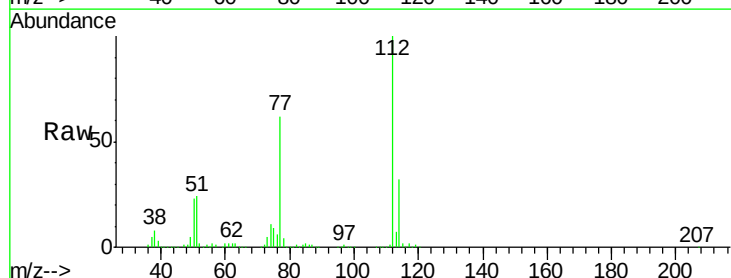
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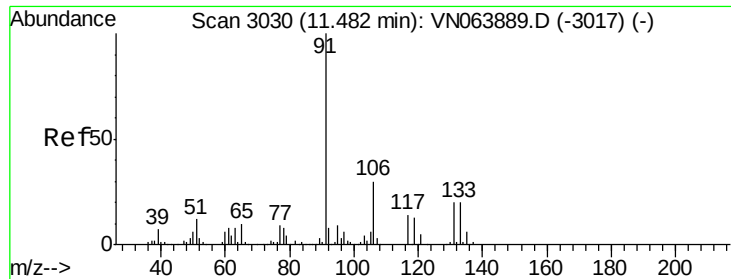
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#64
Chlorobenzene
Concen: 140.171 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion: 112 Resp: 1558722
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6





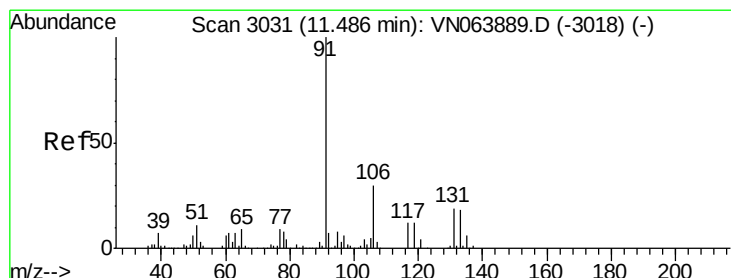
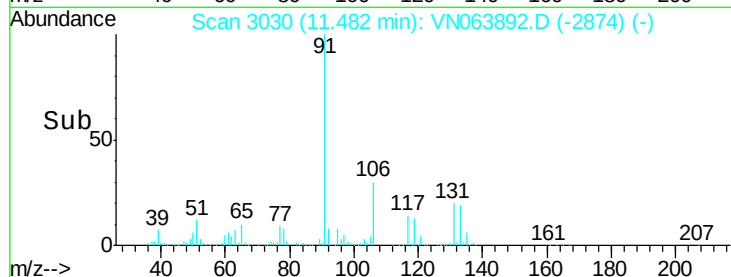
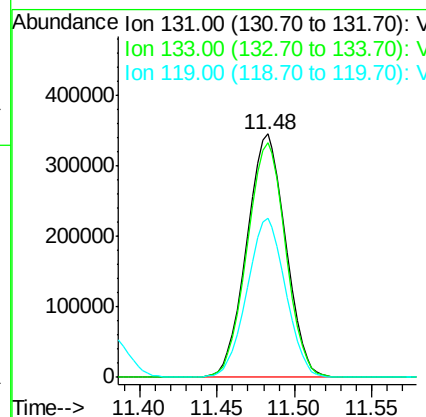
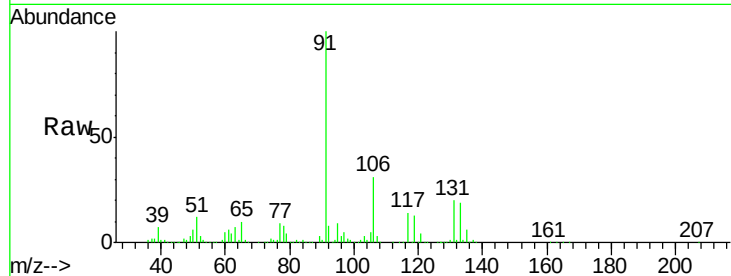
#65
 1,1,1,2-Tetrachloroethane
 Concen: 137.641 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
131	100	606200		
133	95.4	0.0	192.6	
119	64.8	0.0	133.2	

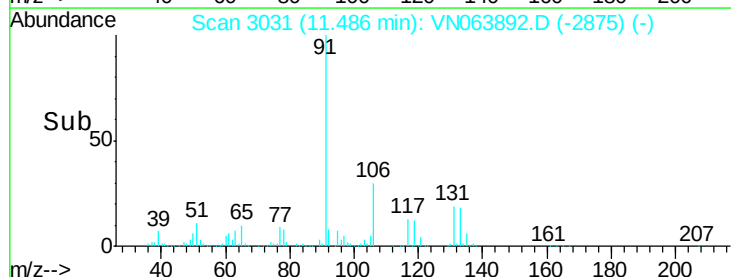
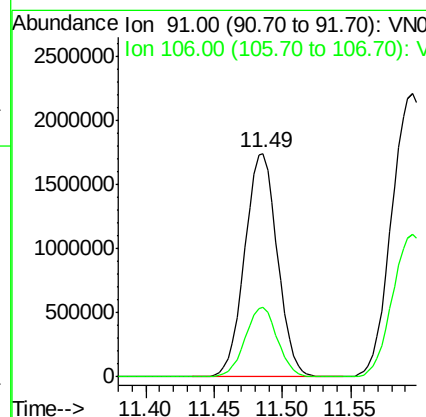
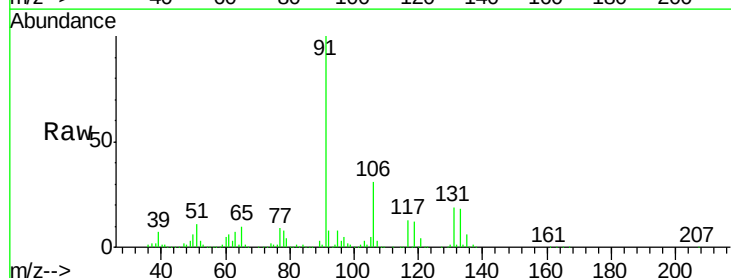
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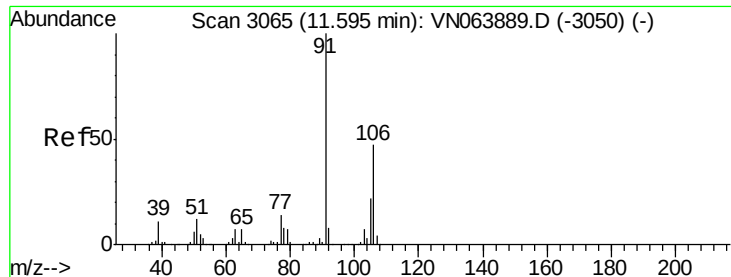
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#66
 Ethyl Benzene
 Concen: 146.293 ug/l
 RT: 11.49 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2899930		
106	31.1	24.4	36.6	





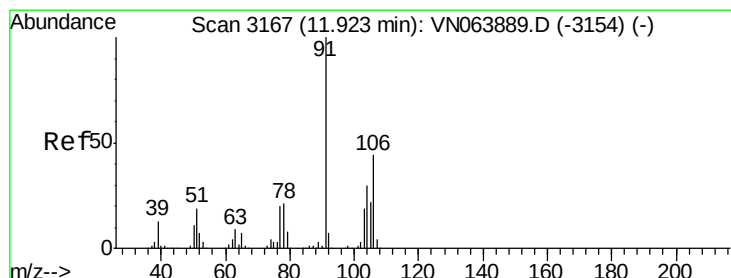
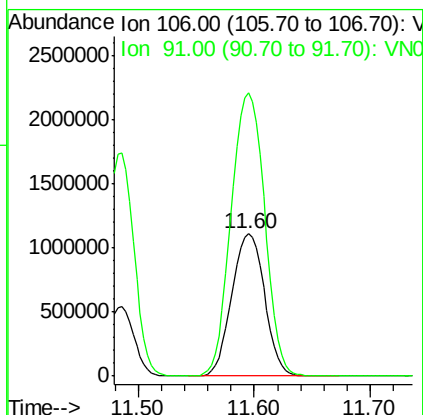
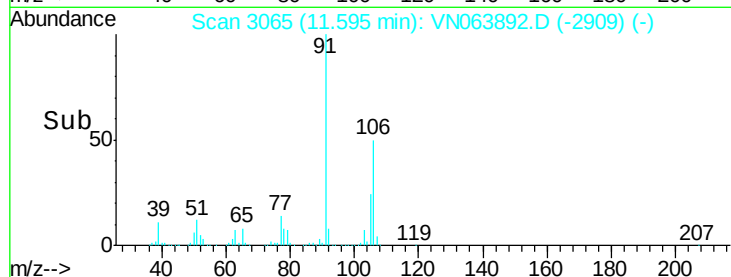
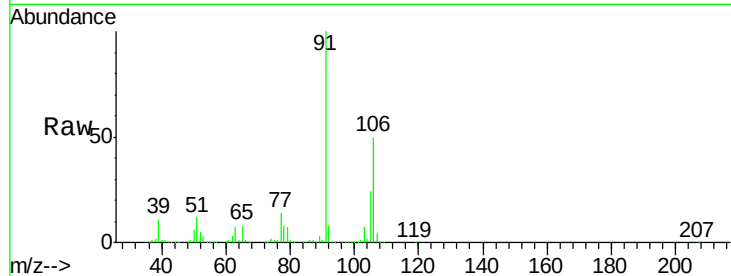
#67
m/p-Xylenes
Concen: 293.337 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 2174887
Ion Ratio Lower Upper
106 100
91 203.8 169.2 253.8

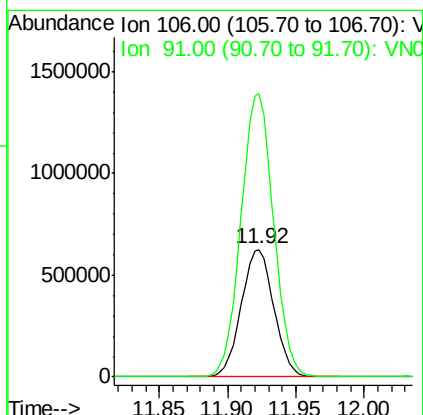
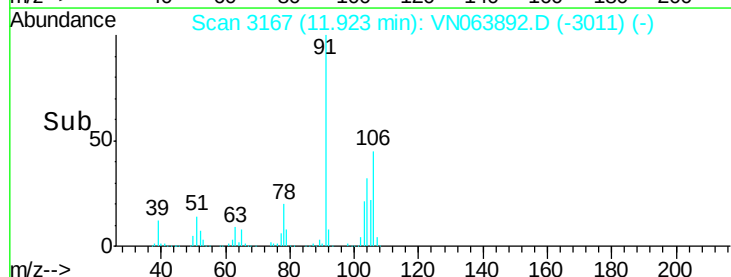
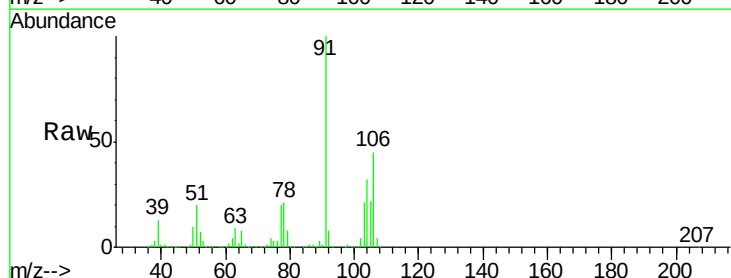
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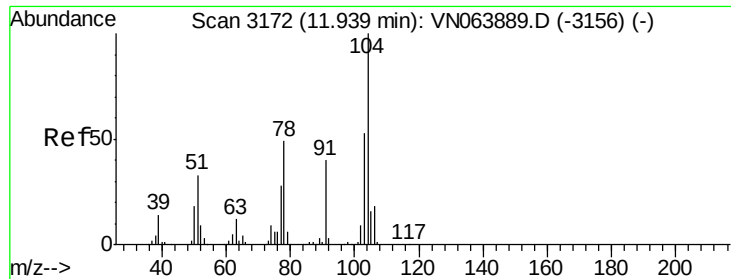
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#68
o-Xylene
Concen: 146.642 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion:106 Resp: 1039570
Ion Ratio Lower Upper
106 100
91 222.2 113.1 339.4





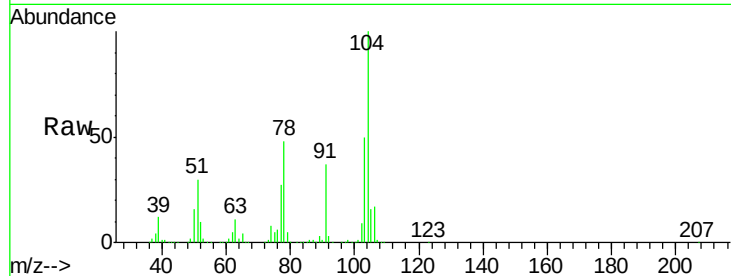
#69
Stvrene
Concen: 149.275 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

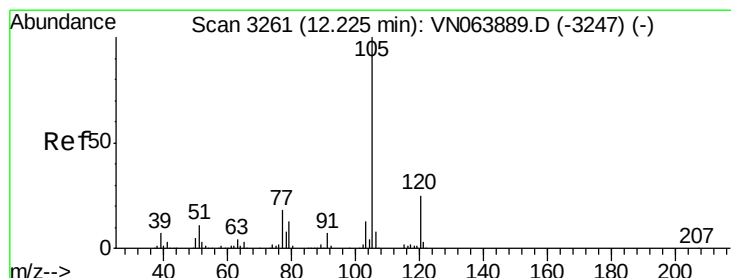
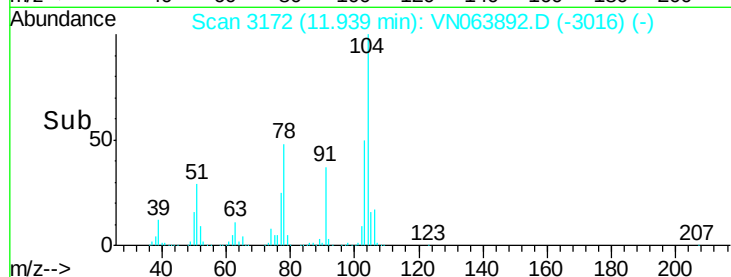
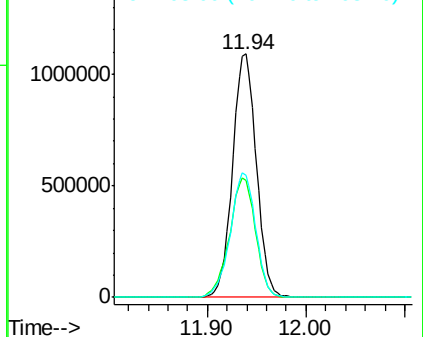
Tot Ion	Ratio	Lower	Upper
104	100		
78	53.7	42.9	64.3
103	54.6	44.6	66.8

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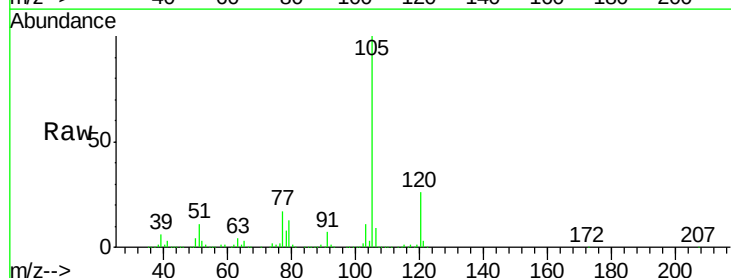


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

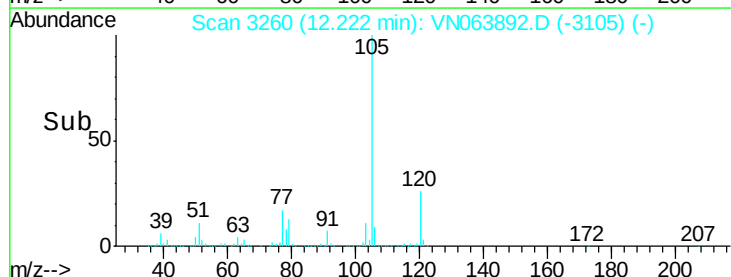
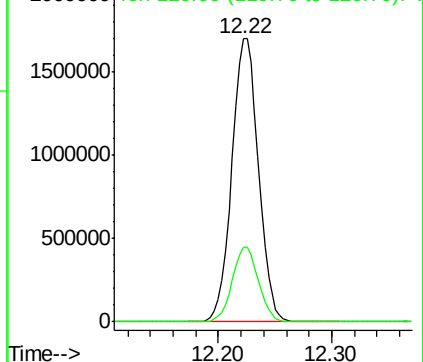


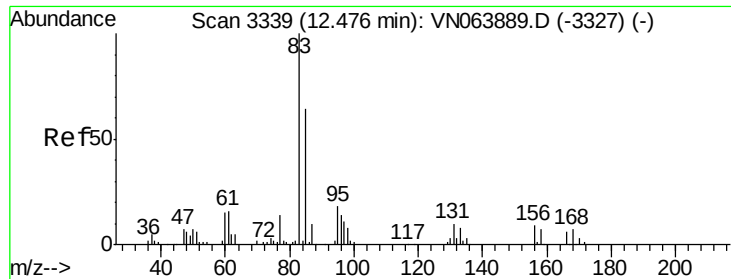
#70
Isopropylbenzene
Concen: 144.633 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.9	17.8	33.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





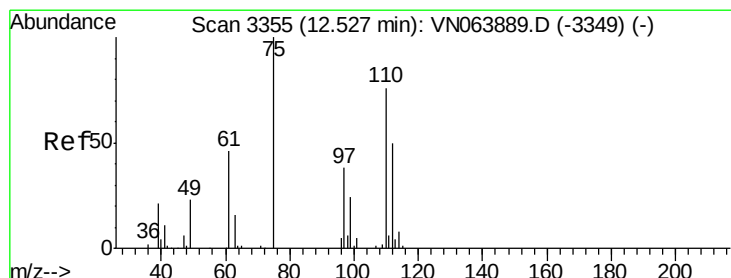
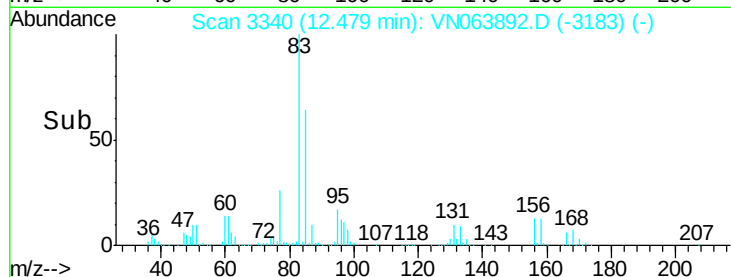
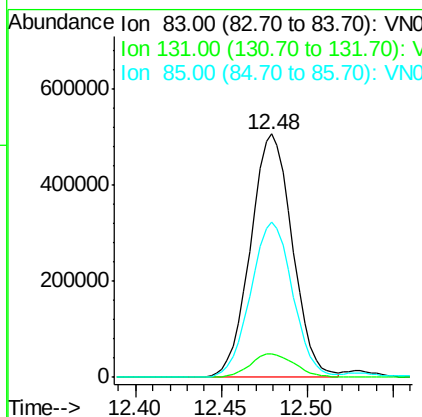
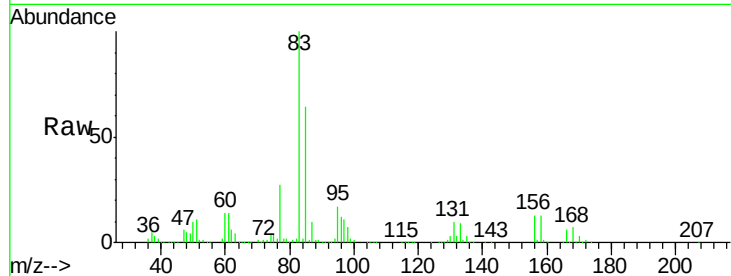
#71
 1,1,2,2-Tetrachloroethane
 Concen: 140.238 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	83	Resp	854261
Ion Ratio	100	Lower	Upper
83	100		
131	10.3	5.4	16.2
85	64.2	32.3	96.8

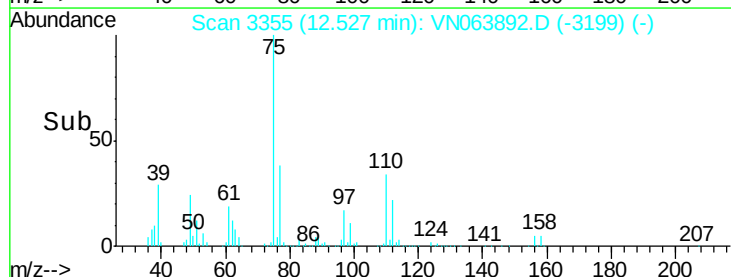
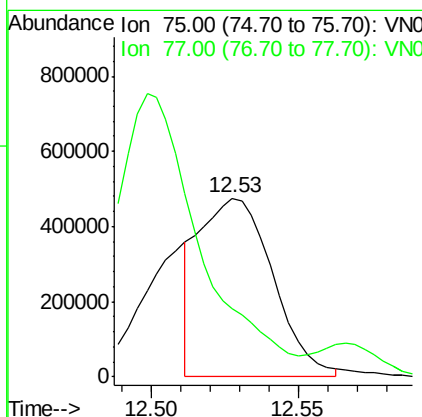
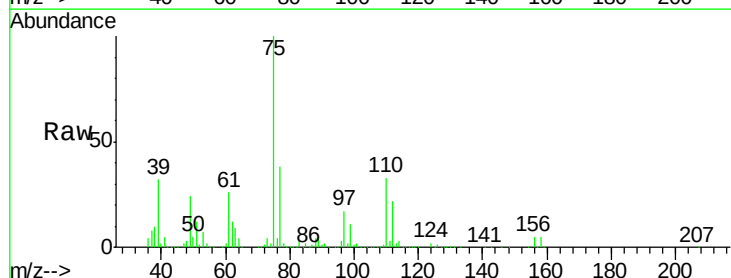
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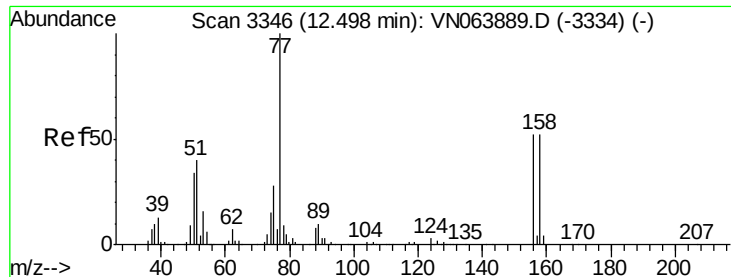
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#72
 1,2,3-Trichloropropane
 Concen: 147.662 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion	75	Resp	829583
Ion Ratio	100	Lower	Upper
75	100		
77	183.7	0.0	336.6





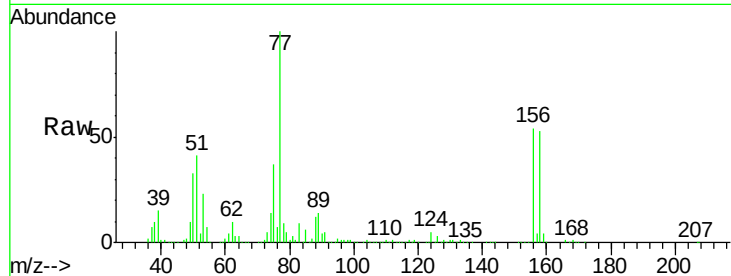
#73
Bromobenzene
Concen: 134.436 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

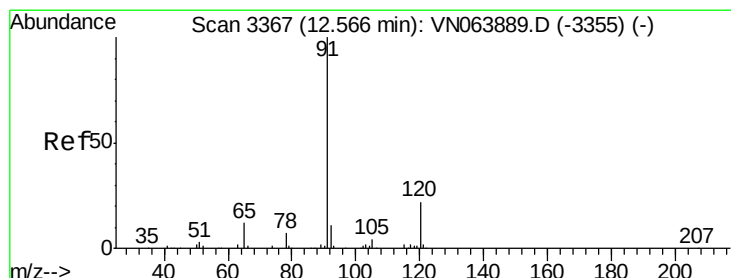
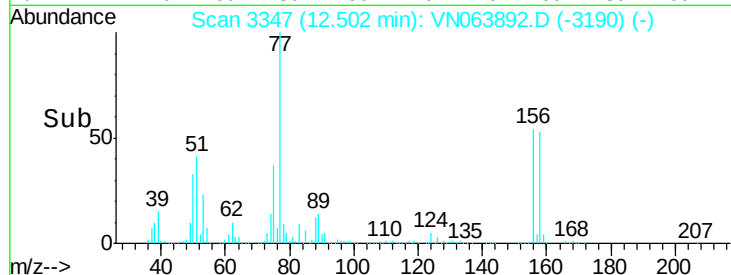
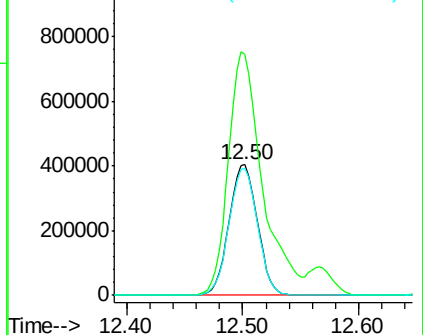
Tot Ion	Ratio	Resp	Lower	Upper
156	100	684055		
77	222.8	0.0	456.4	
158	98.1	0.0	200.4	

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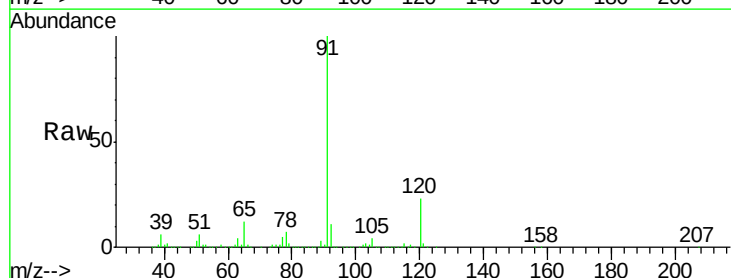


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V

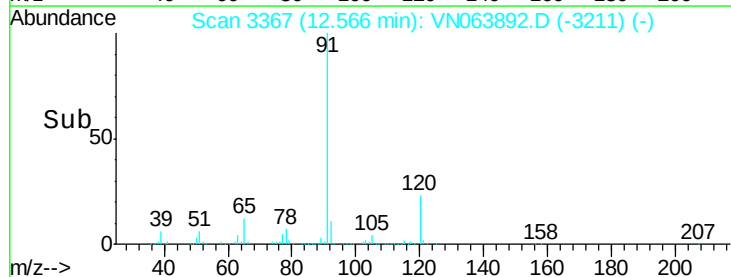
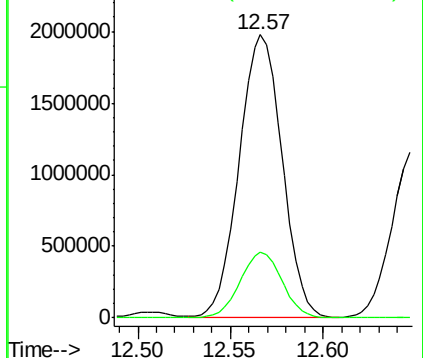


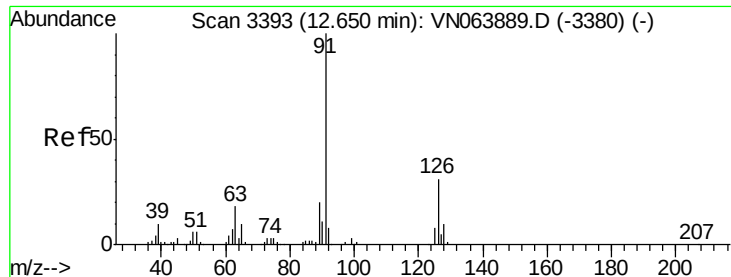
#74
n-propylbenzene
Concen: 139.355 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	3195629		
120	22.6	0.0	42.6	



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 143.321 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1966219

Ion Ratio Lower Upper

91 100

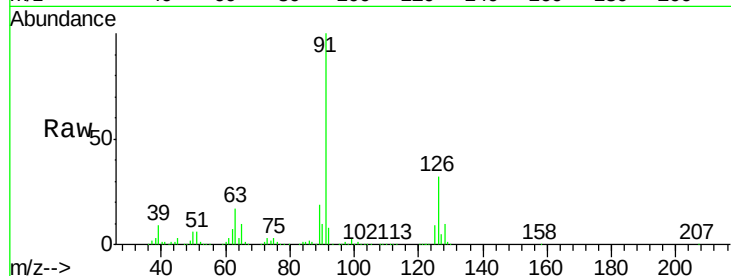
126 32.1 0.0 63.4

Manual Integrations

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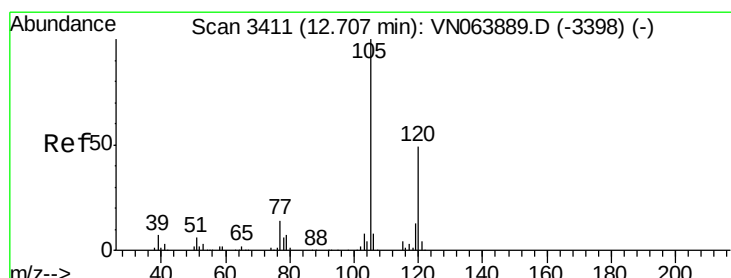
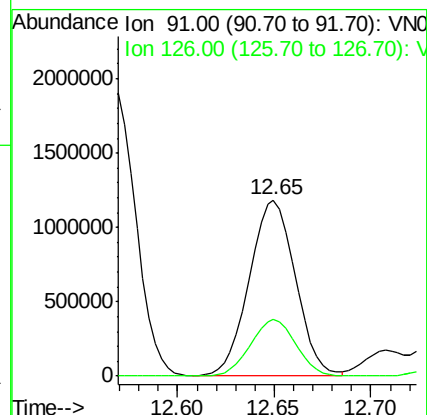
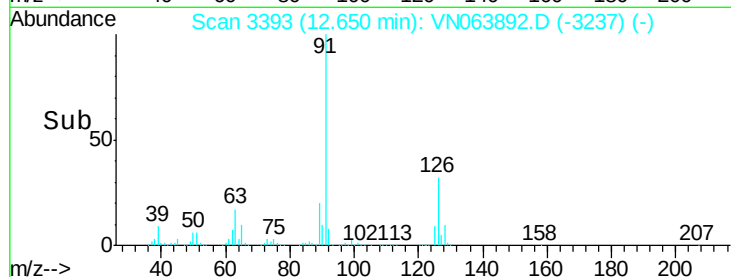
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Abundance Ion 91.00 (90.70 to 91.70): VN063892.D (-3237) (-)

Ion 126.00 (125.70 to 126.70): VN063892.D (-3237) (-)



#76

1,3,5-Trimethylbenzene

Concen: 145.061 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063892.D

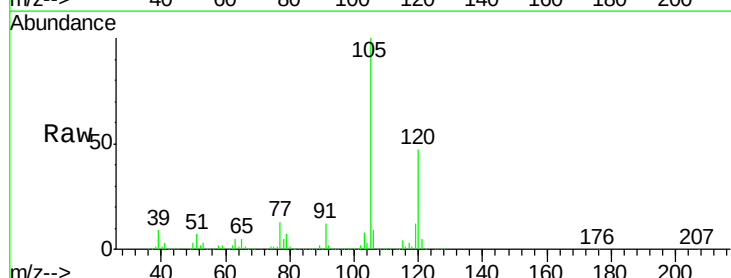
Acq: 6 Oct 2020 12:03

Tgt Ion: 105 Resp: 2367647

Ion Ratio Lower Upper

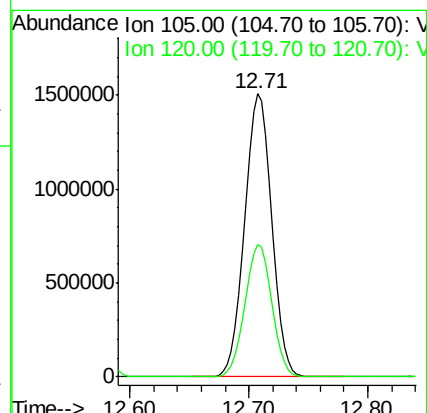
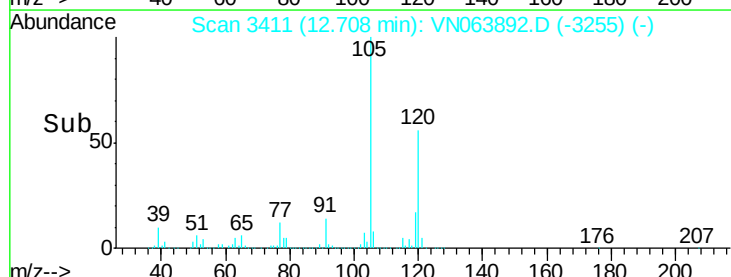
105 100

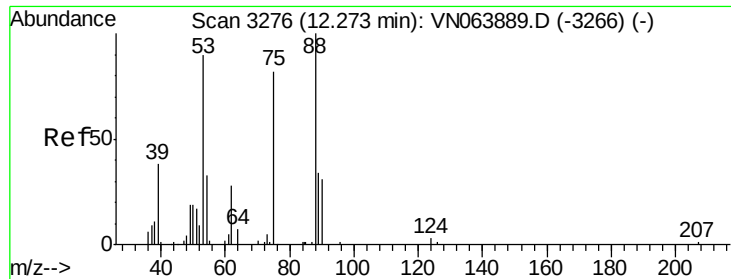
120 46.7 0.0 94.2



Abundance Ion 105.00 (104.70 to 105.70): VN063892.D (-3255) (-)

Ion 120.00 (119.70 to 120.70): VN063892.D (-3255) (-)





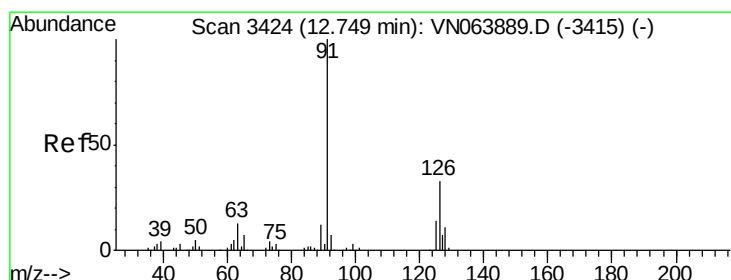
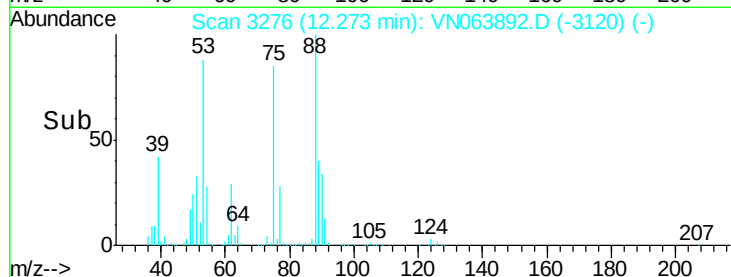
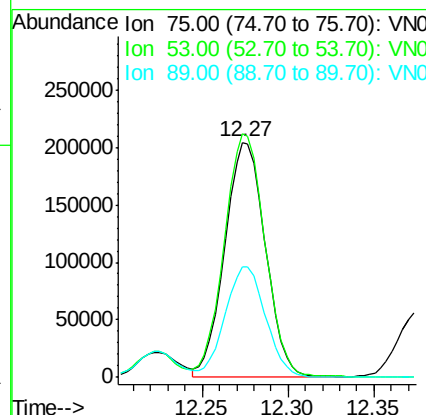
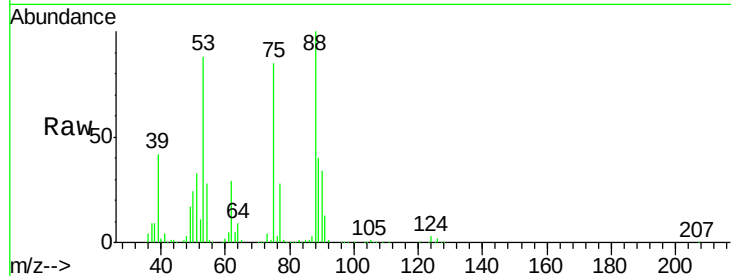
#77
t-1,4-Dichloro-2-butene
Concen: 169.788 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.4	55.3	165.9
89	46.8	21.9	65.8

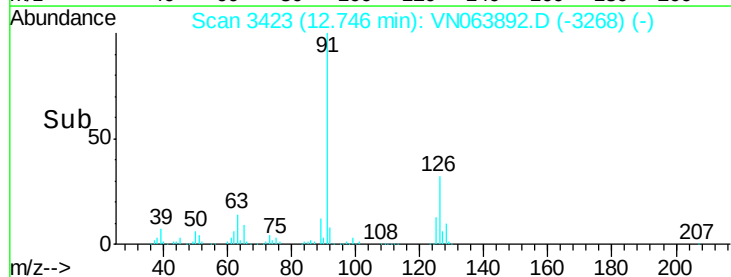
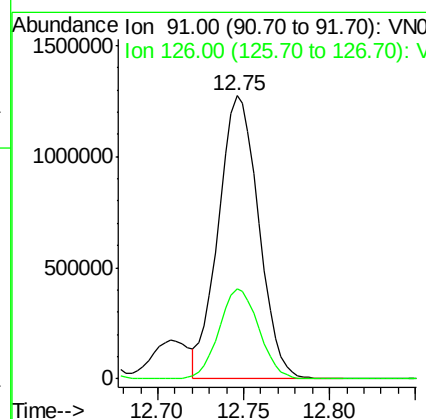
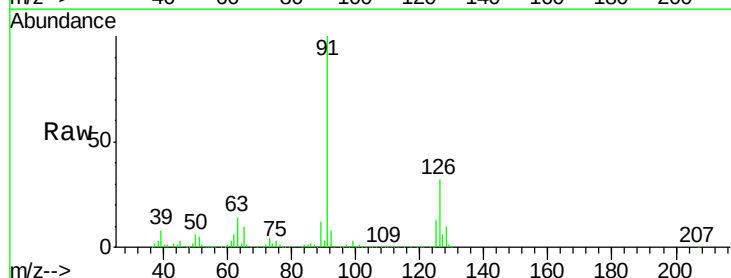
Manual Integrations
APPROVED

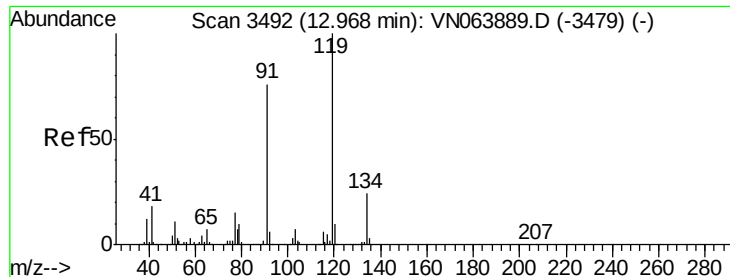
MMDadoda
10/7/2020 12:11:37 PM



#78
4-Chlorotoluene
Concen: 145.767 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	0.0	62.6





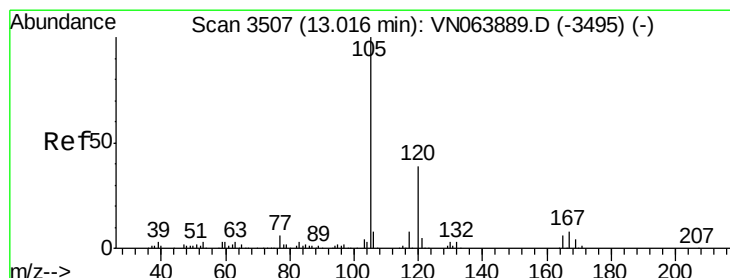
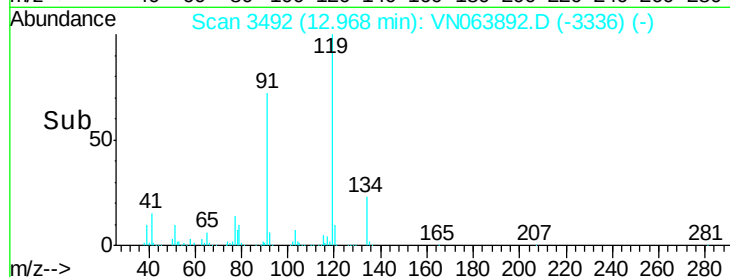
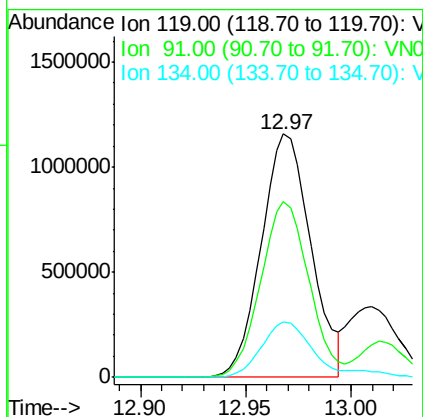
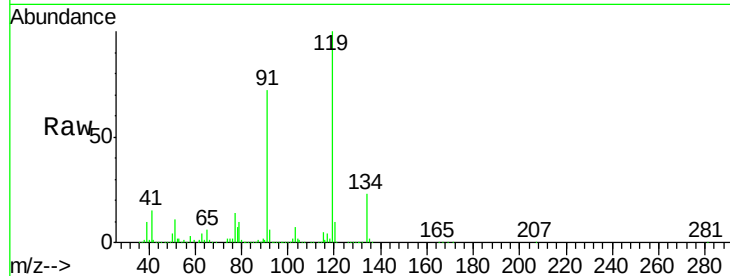
#79
tert-butylbenzene
Concen: 138.908 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.4	0.0	145.6
134	23.1	0.0	47.8

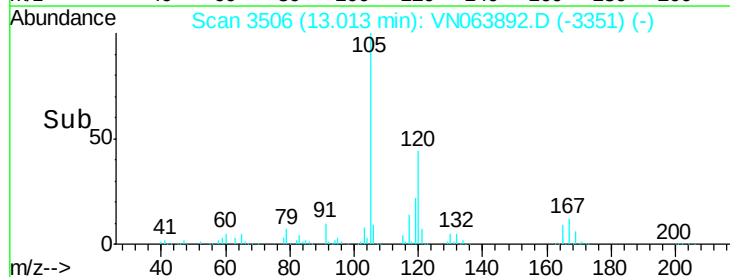
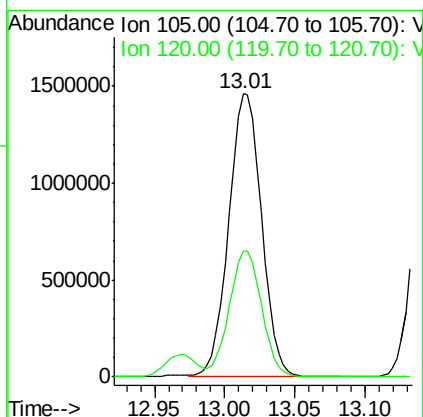
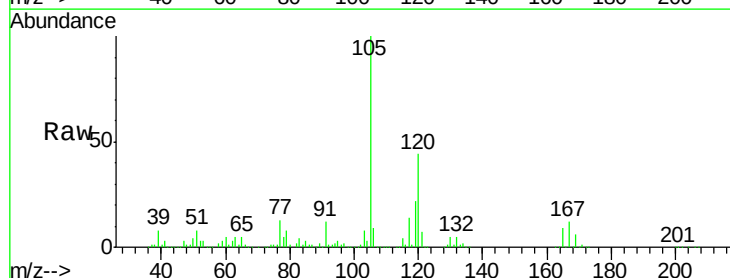
Manual Integrations
APPROVED

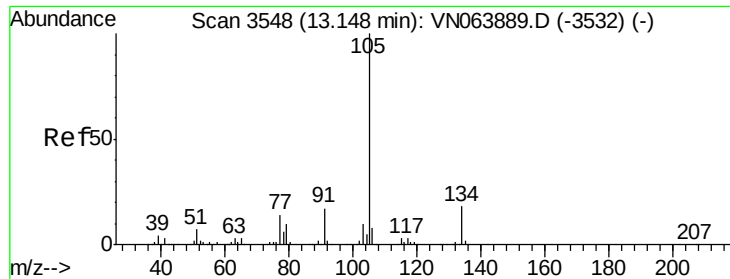
MMDadoda
10/7/2020 12:11:37 PM



#80
1,2,4-Trimethylbenzene
Concen: 148.066 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	0.0	85.4





#81

sec-Butylbenzene

Concen: 133.644 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:105 Resp: 2492042

Ion Ratio Lower Upper

105 100

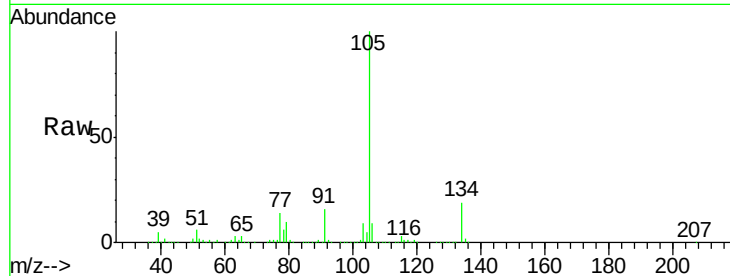
134 18.9 0.0 36.8

Manual Integrations

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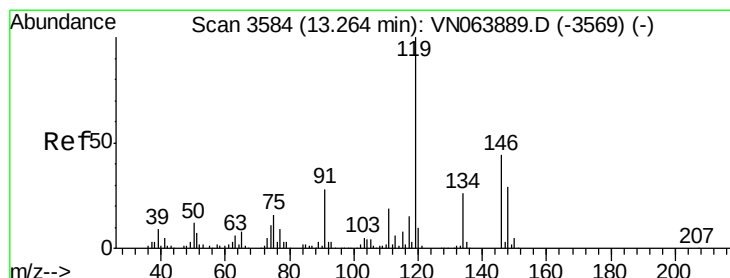
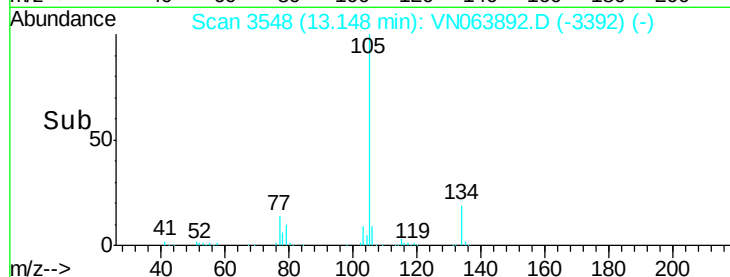
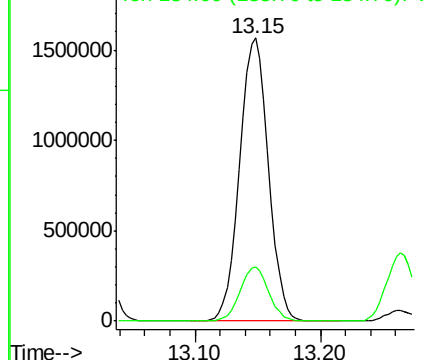
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 138.525 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

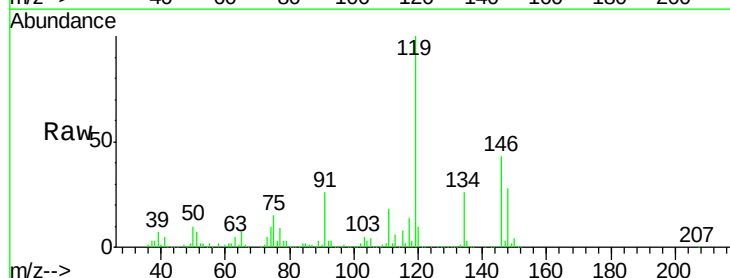
Tgt Ion:119 Resp: 2293831

Ion Ratio Lower Upper

119 100

134 25.4 0.0 50.6

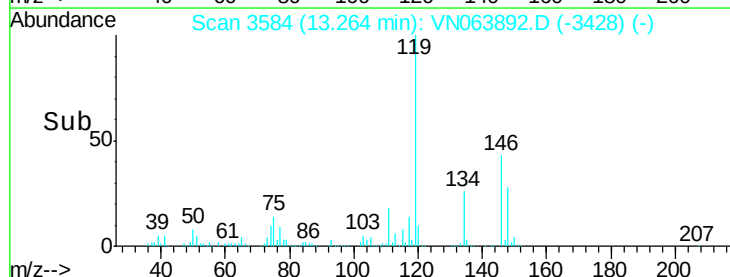
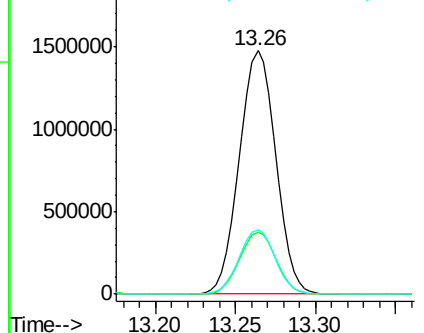
91 26.1 0.0 55.2

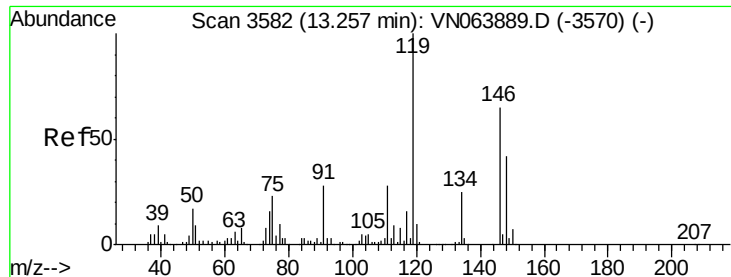


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





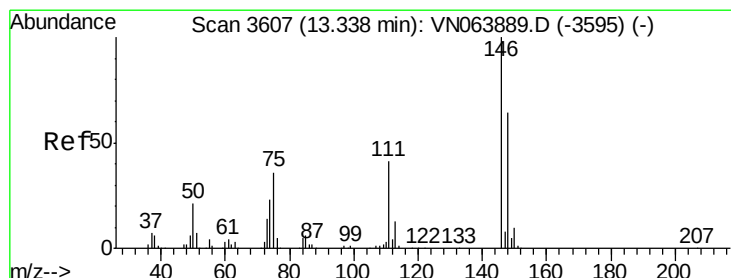
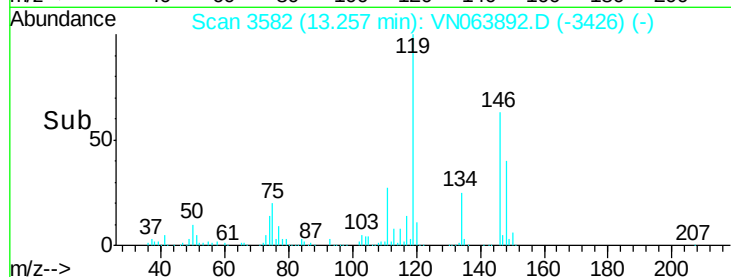
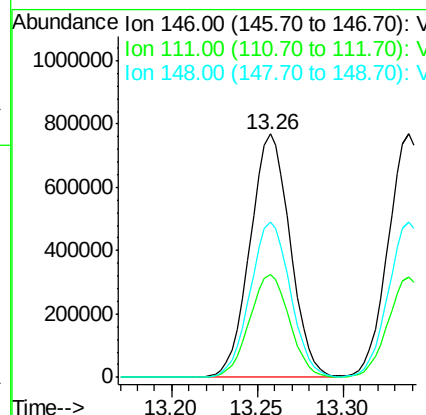
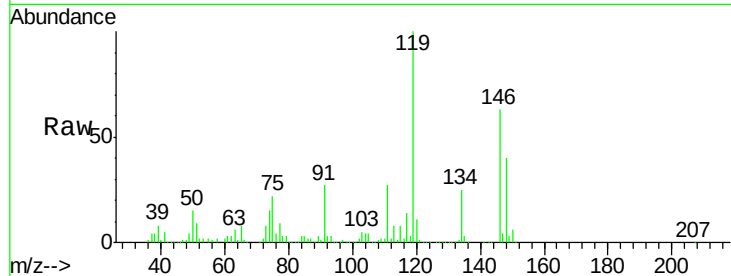
#83
 1,3-Dichlorobenzene
 Concen: 139.240 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.6	64.8
148	64.1	32.8	98.3

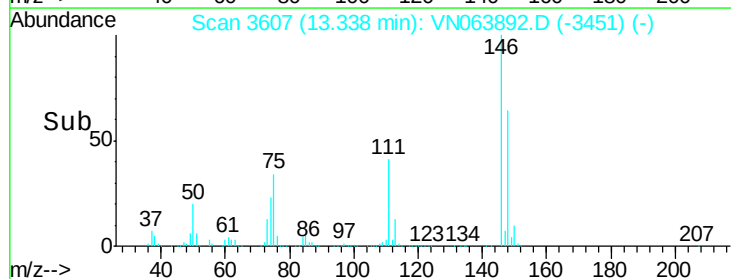
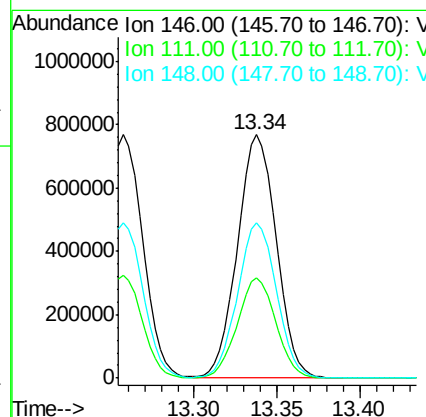
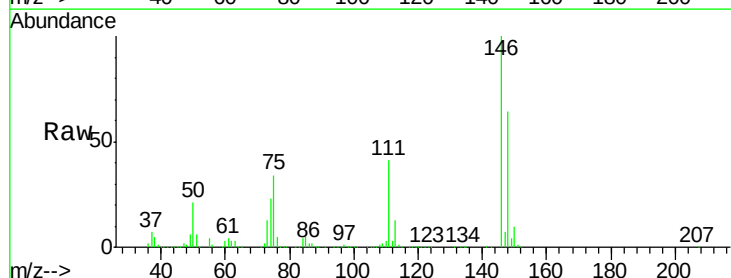
Manual Integrations
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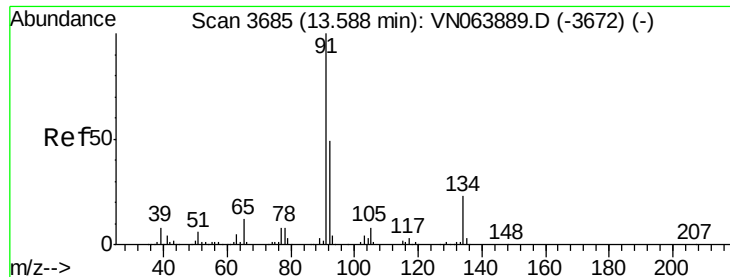
MMDadoda
 10/7/2020 12:11:37 PM



#84
 1,4-Dichlorobenzene
 Concen: 142.614 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.8	59.4
148	64.2	32.6	98.0





#85

n-Butylbenzene

Concen: 145.648 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN063892.D

Acq: 6 Oct 2020 12:03

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2045614

Ion Ratio Lower Upper

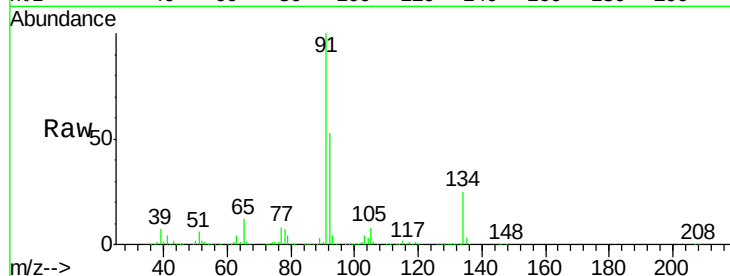
91 100

92 52.2 0.0 98.2

134 24.4 0.0 45.8

Manual Integrations
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MMDadoda
10/7/2020 12:11:37 PM

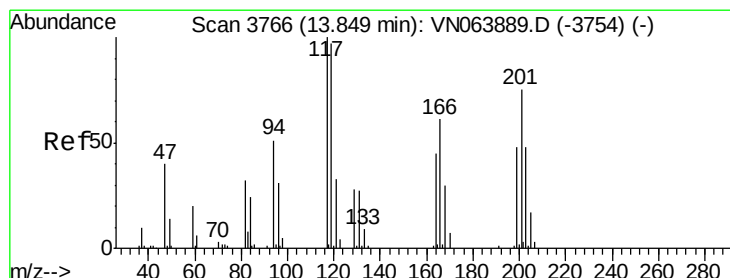
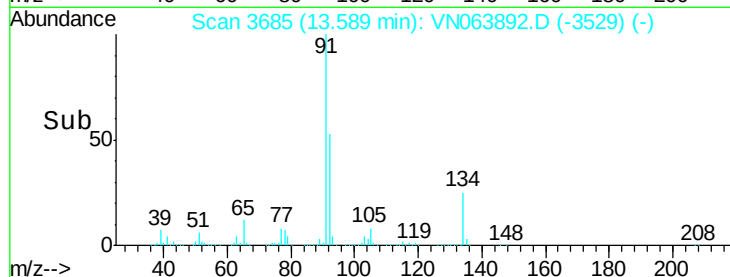


Abundance Ion 91.00 (90.70 to 91.70): VN063889.D (-3672) (-)

Ion 92.00 (91.70 to 92.70): VN063889.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN063889.D (-3672) (-)

Time-->



#86

Hexachloroethane

Concen: 121.954 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN063892.D

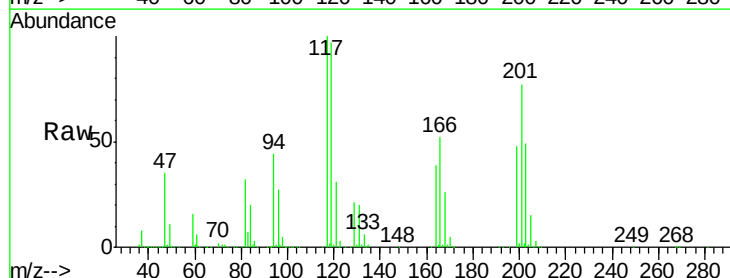
Acq: 6 Oct 2020 12:03

Tgt Ion: 117 Resp: 386445

Ion Ratio Lower Upper

117 100

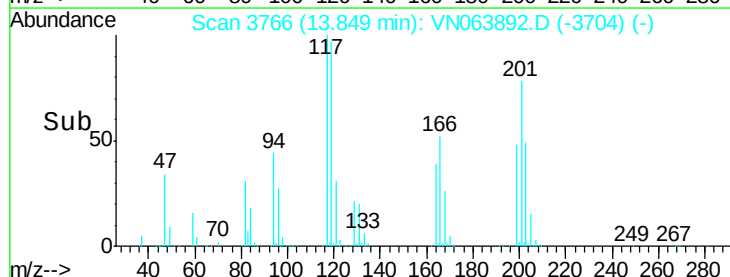
201 76.1 36.6 109.9

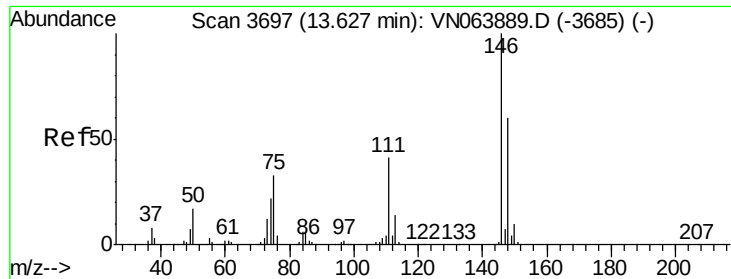


Abundance Ion 117.00 (116.70 to 117.70): VN063889.D (-3754) (-)

Ion 201.00 (200.70 to 201.70): VN063889.D (-3754) (-)

Time-->





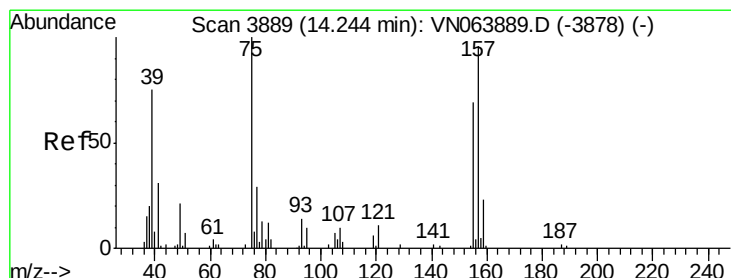
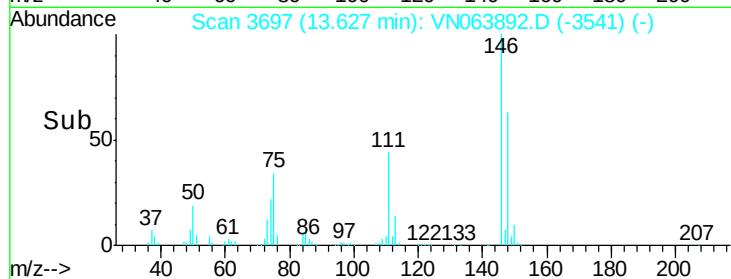
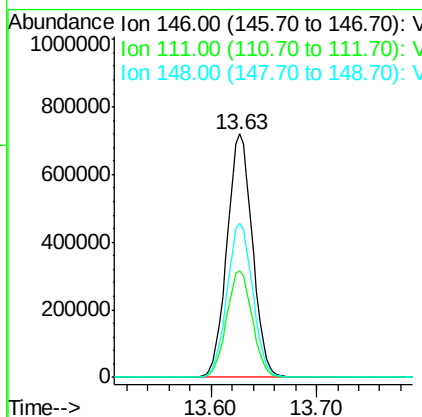
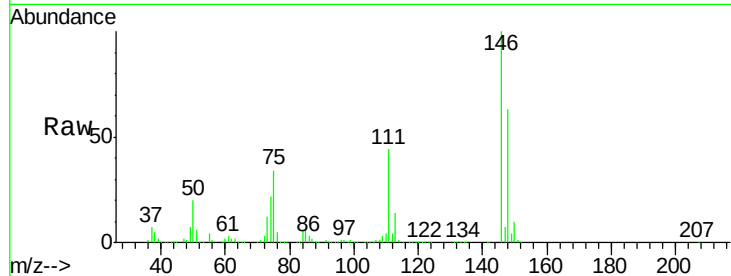
#87
 1,2-Dichlorobenzene
 Concen: 138.812 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1195363
 Ion Ratio Lower Upper
 146 100
 111 44.1 21.3 63.7
 148 64.0 31.6 95.0

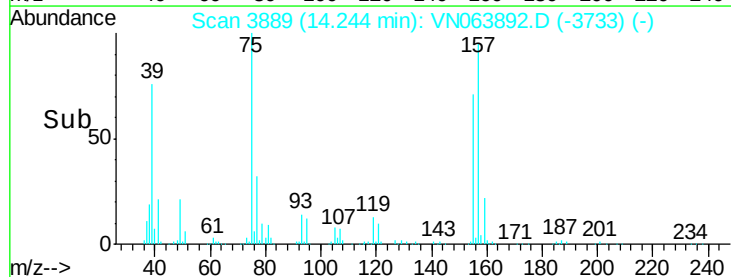
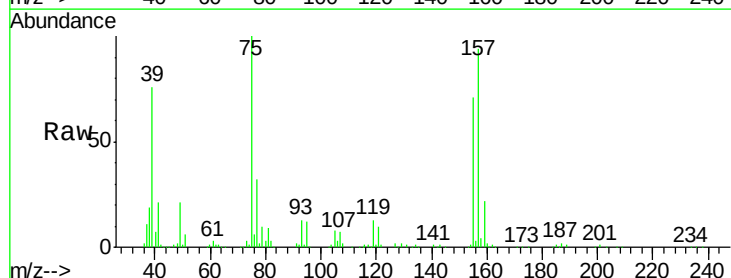
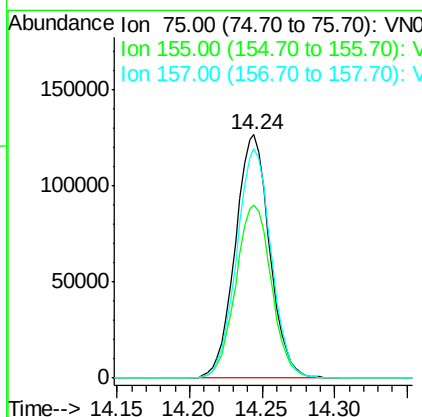
Manual Integrations
 APPROVED

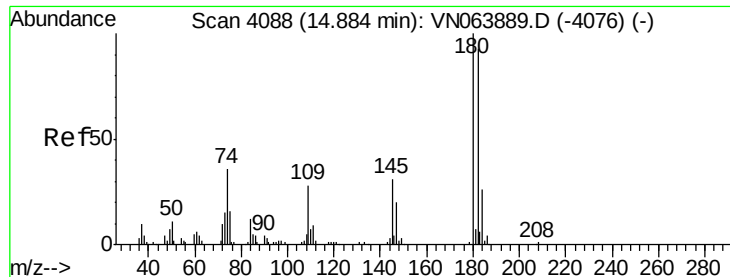
MMDadoda
 10/7/2020 12:11:37 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 194.015 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion: 75 Resp: 208888
 Ion Ratio Lower Upper
 75 100
 155 73.7 55.4 83.2
 157 94.3 73.6 110.4





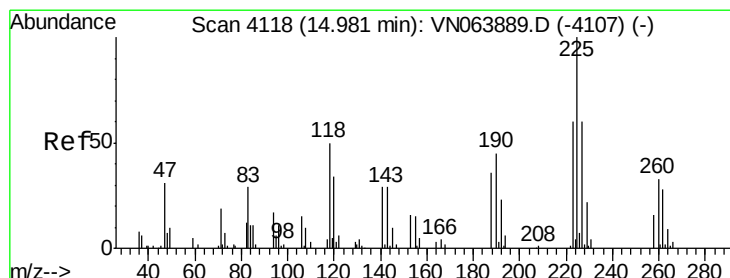
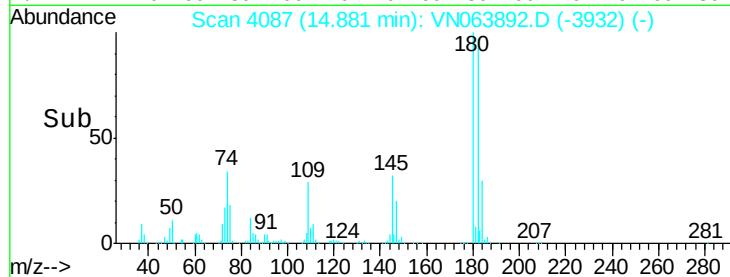
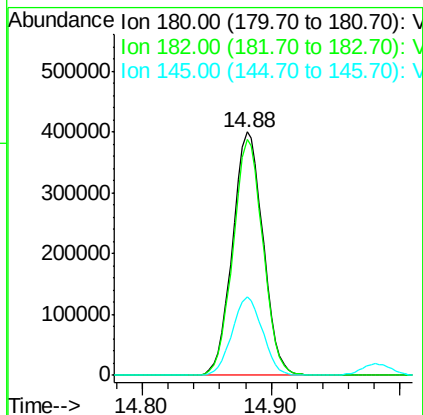
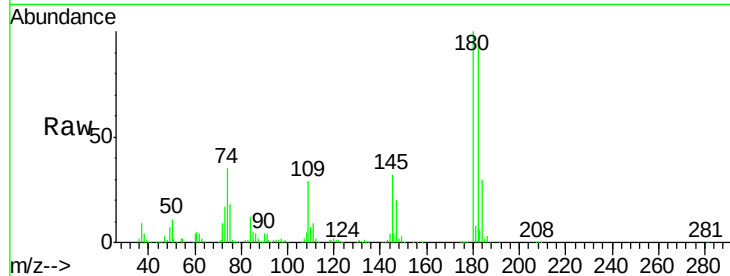
#89
 1,2,4-Trichlorobenzene
 Concen: 151.086 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.8	115.2
145	32.2	26.0	39.0

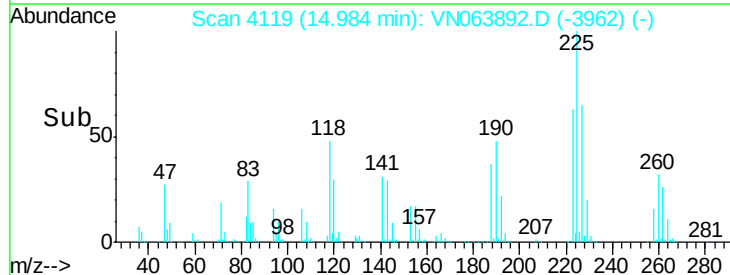
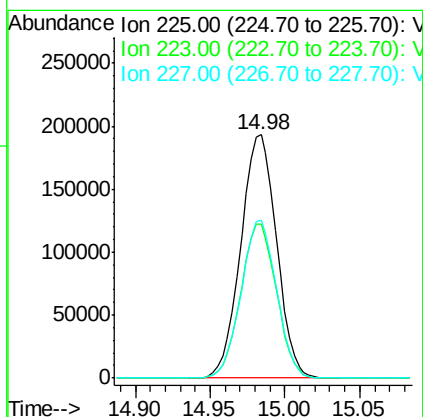
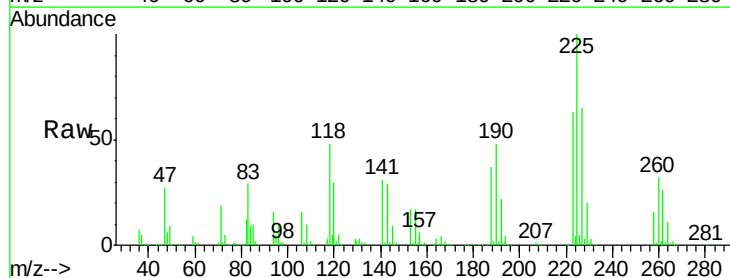
Manual Integrations
 APPROVED

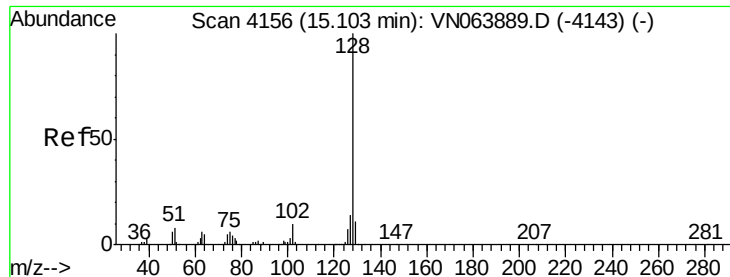
MMDadoda
 10/7/2020 12:11:37 PM



#90
 Hexachlorobutadiene
 Concen: 107.105 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063892.D
 Acq: 6 Oct 2020 12:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	0.0	124.8
227	64.3	0.0	121.4





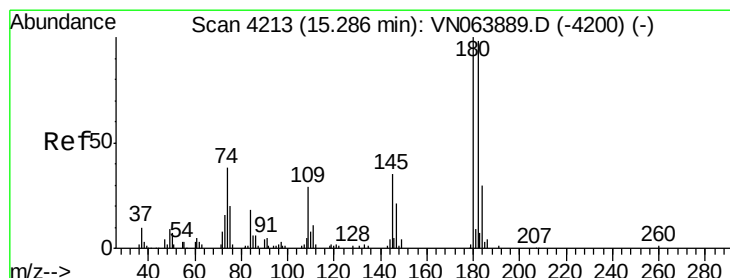
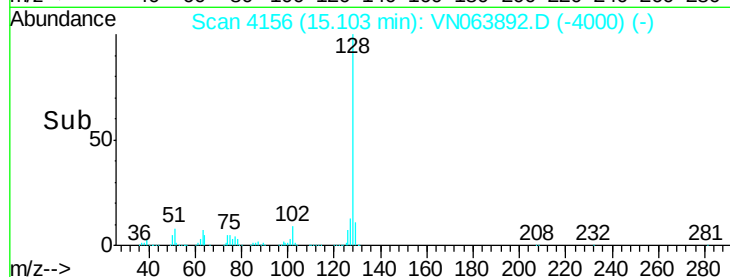
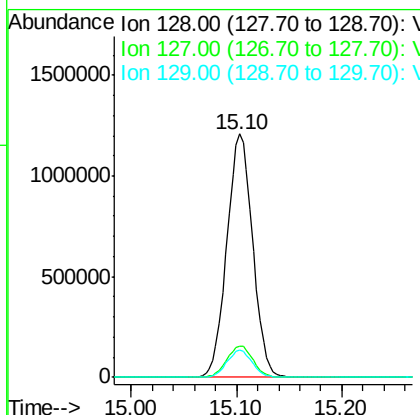
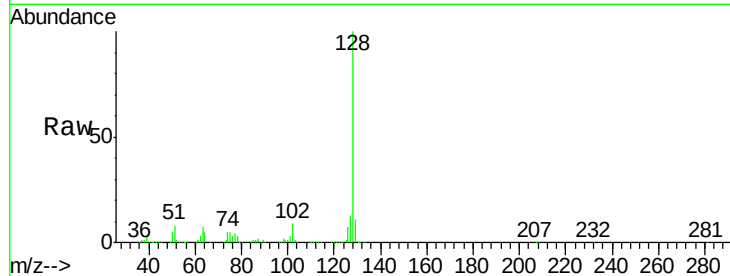
#91
Naphthalene
Concen: 194.981 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
128	100			
127	13.0	10.6	15.8	
129	10.9	8.5	12.7	

Manual Integrations
APPROVED

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10/7/2020 12:11:37 PM



#92
1,2,3-Trichlorobenzene
Concen: 145.592 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063892.D
Acq: 6 Oct 2020 12:03

Tgt Ion	Ion	Ratio	Lower	Upper
180	100			
182	96.3	0.0	196.0	
145	34.6	0.0	71.0	

