

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064506.D
 Acq On : 9 Nov 2020 12:37
 Operator : JC/MD
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 11/10/2020 1:10:33 PM

Quant Time: Nov 09 12:58:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110920W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 09 12:16:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	70756	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	381977	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	365494	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	181682	31.09	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.63%
60) 4-Bromofluorobenzene	12.38	95	191061	30.73	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.43%
63) Toluene-d8	10.06	98	503447	30.41	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.37%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	494508	108.617	ug/l 97
3) Chloromethane	2.04	50	561777	116.626	ug/l 98
4) Vinyl Chloride	2.17	62	609491	121.767	ug/l 98
5) Bromomethane	2.52	94	375209	114.308	ug/l 95
6) Chloroethane	2.67	64	375545	126.287	ug/l 99
7) Trichlorofluoromethane	2.98	101	848144	105.321	ug/l 95
8) Diethyl Ether	3.37	74	310131	120.431	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	404147	101.077	ug/l 51
10) 1,1-Dichloroethene	3.69	96	391588	102.711	ug/l 98
11) Methyl Iodide	3.91	142	524284	104.119	ug/l 98
12) Methyl Acetate	4.28	43	497635	121.258	ug/l 97
13) Acrolein	3.57	56	255677	658.021	ug/l 99
14) Acrylonitrile	4.94	53	1118320	612.529	ug/l 100
15) Acetone	3.78	58	335959	533.387	ug/l 97
16) Carbon Disulfide	4.01	76	1193641	108.774	ug/l 98
17) Allyl chloride	4.27	41	777326	114.792	ug/l 100
18) Methylene Chloride	4.50	84	463984	104.746	ug/l 93
19) trans-1,2-Dichloroethene	4.99	96	450688	107.169	ug/l 99
20) Diisopropyl ether	5.91	45	1708586	118.721	ug/l 95
21) 1,1-Dichloroethane	5.80	63	897053	110.450	ug/l 98
22) cis-1,2-Dichloroethene	6.78	96	525380	107.097	ug/l 94
23) tert-Butyl Alcohol	4.75	59	380748	557.303	ug/l # 100
24) Methyl tert-Butyl Ether	5.00	73	1467862	108.628	ug/l # 73
25) Chloroform	7.33	83	937160	107.629	ug/l 99
26) Cyclohexane	7.61	56	734737	114.569	ug/l # 100
29) 1,1-Dichloropropene	7.75	75	699636	112.019	ug/l 100
30) 2-Butanone	6.79	43	1729717	605.414	ug/l # 81
31) 2,2-Dichloropropane	6.78	77	824552	108.502	ug/l 99
32) 1,1,1-Trichloroethane	7.53	97	844524	105.114	ug/l 97
33) Carbon Tetrachloride	7.73	117	758665	104.942	ug/l 98
34) Benzene	8.00	78	2026503	114.835	ug/l # 88
35) Methacrylonitrile	7.13	41	360054	129.348	ug/l 95
36) 1,2-Dichloroethane	8.09	62	798372	109.672	ug/l 99
37) Trichloroethene	8.80	130	502142	103.166	ug/l 99
38) Methylcyclohexane	9.05	83	657980	117.198	ug/l 99
39) 1,2-Dichloropropane	9.08	63	542849	118.349	ug/l 100
40) Dibromomethane	9.17	93	362546	110.777	ug/l 98

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	793013	114.298	ug/l	99
42) Vinyl Acetate	5.85	43	7244031	605.779	ug/l	99
43) Ethyl Acetate	6.89	43	692637	124.819	ug/l	98
44) Isopropyl Acetate	8.13	43	1190587	122.688	ug/l	96
45) 1,4-Dioxane	9.17	88	164094	2367.000	ug/l	99
46) Methyl methacrylate	9.17	41	618805	129.048	ug/l	95
47) n-amyl Acetate	12.04	43	1118894	135.242	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	881355	115.787	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	911312	115.798	ug/l	97
50) 1,1,2-Trichloroethane	10.53	97	501221	114.285	ug/l	98
51) Ethyl methacrylate	10.40	69	791829	125.948	ug/l	96
52) 1,3-Dichloropropane	10.68	76	874048	118.326	ug/l	99
53) Dibromochloromethane	10.87	129	588856	110.003	ug/l	100
54) 1,2-Dibromoethane	10.98	107	529094	113.881	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	2002912	584.837	ug/l	99
56) Bromoform	12.10	173	395513	105.284	ug/l	97
58) 4-Methyl-2-Pentanone	9.96	43	3616293	610.506	ug/l	98
59) 2-Hexanone	10.72	43	2748279	625.215	ug/l	97
61) Tetrachloroethene	10.60	164	462195	94.880	ug/l	99
62) Toluene	10.13	91	2254169	109.385	ug/l	99
64) Chlorobenzene	11.41	112	1351355	105.870	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.48	131	531802	107.470	ug/l	98
66) Ethyl Benzene	11.48	91	2544171	113.093	ug/l	99
67) m/p-Xylenes	11.59	106	1871545	221.015	ug/l	99
68) o-Xylene	11.92	106	897527	110.529	ug/l	97
69) Styrene	11.94	104	1569635	115.157	ug/l	98
70) Isopropylbenzene	12.22	105	2357175	111.979	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	722053	120.147	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	687208m	110.980	ug/l	
73) Bromobenzene	12.50	156	565805	104.943	ug/l	98
74) n-propylbenzene	12.57	91	2769554	118.467	ug/l	99
75) 2-Chlorotoluene	12.65	91	1697889	114.821	ug/l	98
76) 1,3,5-Trimethylbenzene	12.71	105	1987602	113.602	ug/l	97
77) t-1,4-Dichloro-2-butene	12.27	75	278797	126.583	ug/l	99
78) 4-Chlorotoluene	12.75	91	1810208	117.870	ug/l	99
79) tert-butylbenzene	12.97	119	1574367	114.468	ug/l	96
80) 1,2,4-Trimethylbenzene	13.01	105	2023680	114.856	ug/l	99
81) sec-Butylbenzene	13.14	105	2077495	117.450	ug/l	100
82) p-Isopropyltoluene	13.26	119	1893398	117.133	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	1018498	109.871	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	1018303	109.637	ug/l	99
85) n-Butylbenzene	13.59	91	1656274	127.791	ug/l	98
86) Hexachloroethane	13.85	117	354473	114.887	ug/l	98
87) 1,2-Dichlorobenzene	13.63	146	998646	112.130	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	159332	122.886	ug/l	97
89) 1,2,4-Trichlorobenzene	14.88	180	486195	113.436	ug/l	97
90) Hexachlorobutadiene	14.98	225	209168	91.730	ug/l	99
91) Naphthalene	15.10	128	1657928	127.710	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	471899	109.457	ug/l	97

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ClientSampleId :
VSTDICC100

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QLast Update : Mon Nov 09 12:16:00 2020
Response via : Initial Calibration

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

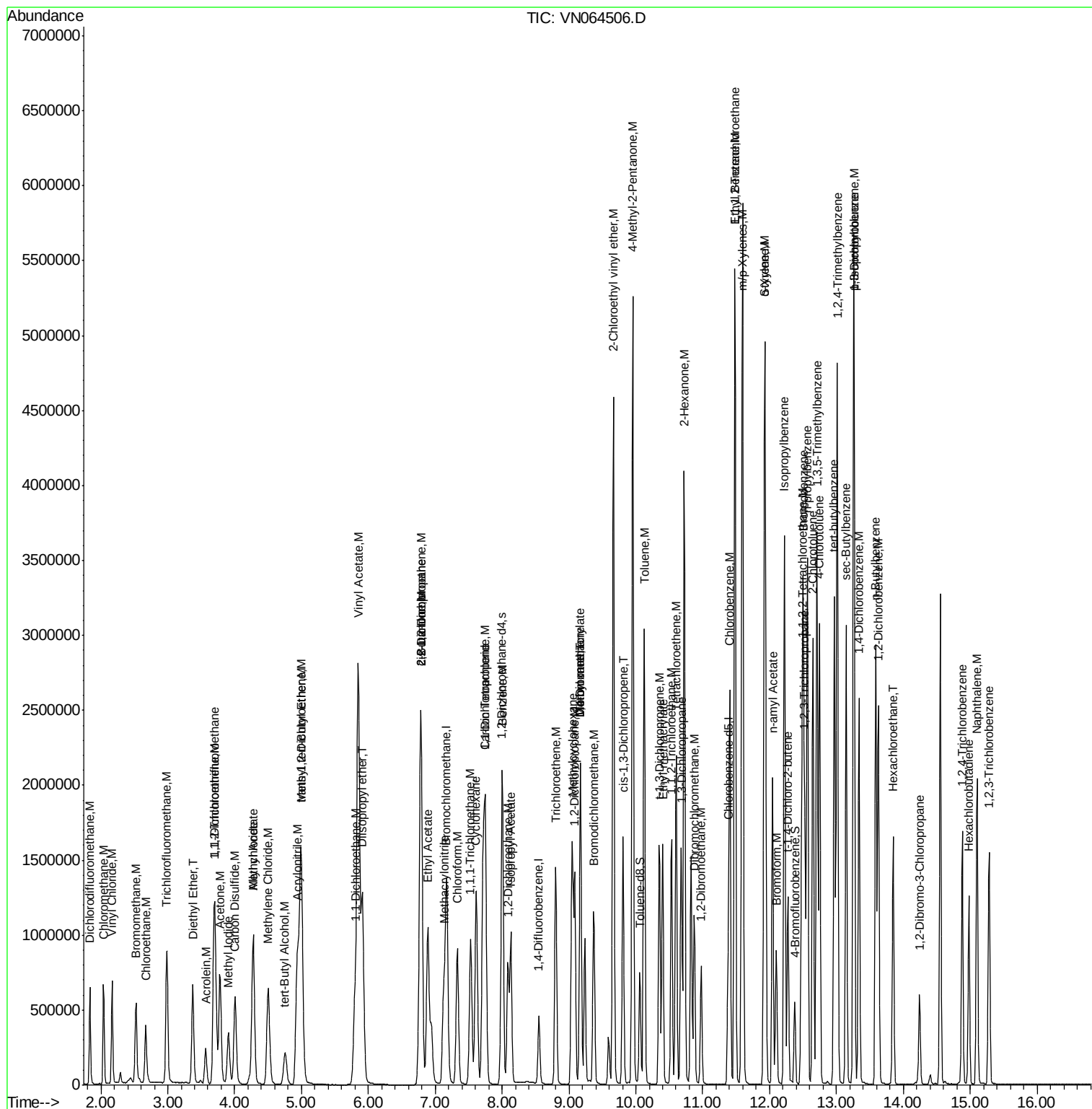
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Data File : VN064506.D
Acq On : 9 Nov 2020 12:37
Operator : JC/MD
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

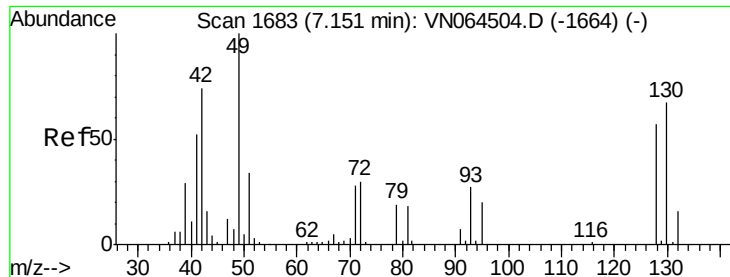
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

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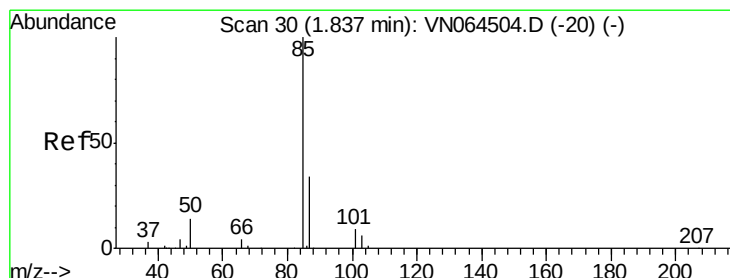
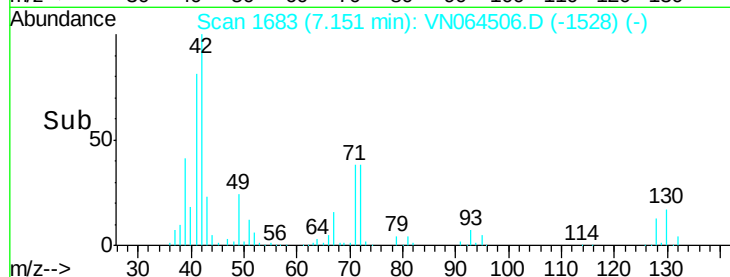
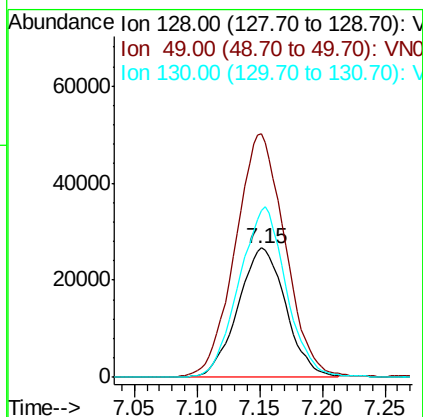
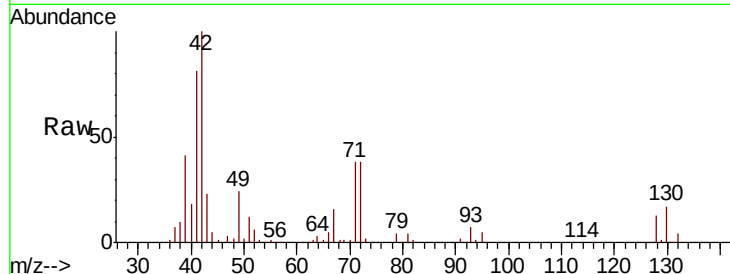
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
49	195.7	0.0	475.5
130	129.7	0.0	315.3

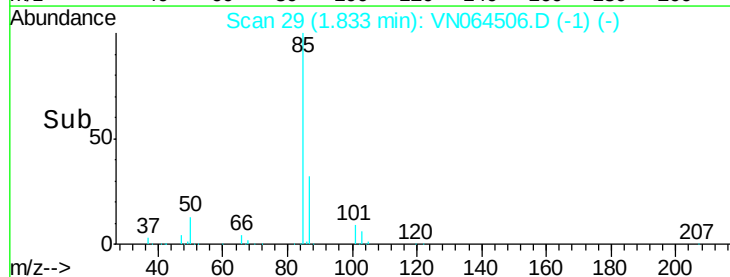
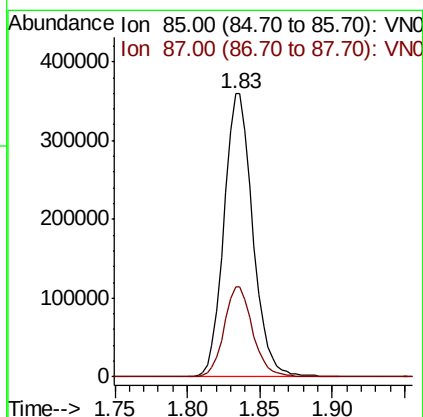
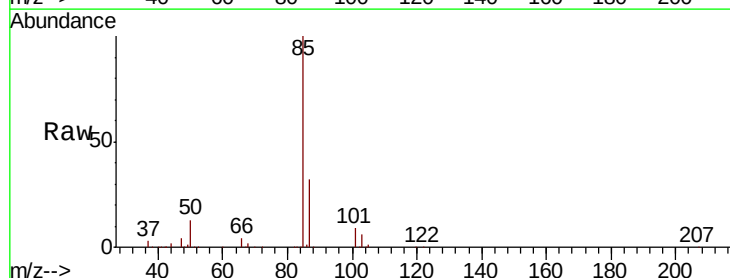
Manual Integrations
APPROVED

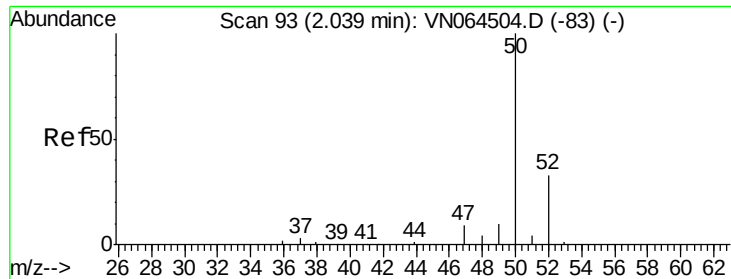
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#2
Dichlorodifluoromethane
Concen: 108.617 ug/l
RT: 1.83 min Scan# 29
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	17.0	50.9





#3

Chloromethane

Concen: 116.626 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 561777

Ion Ratio Lower Upper

50 100

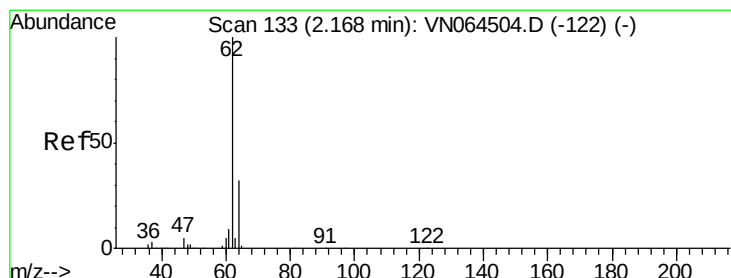
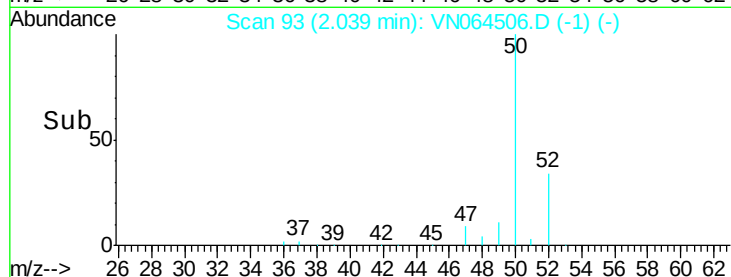
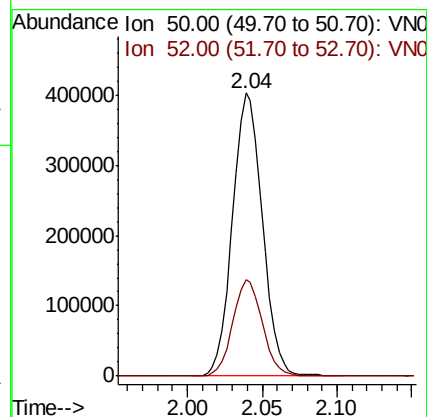
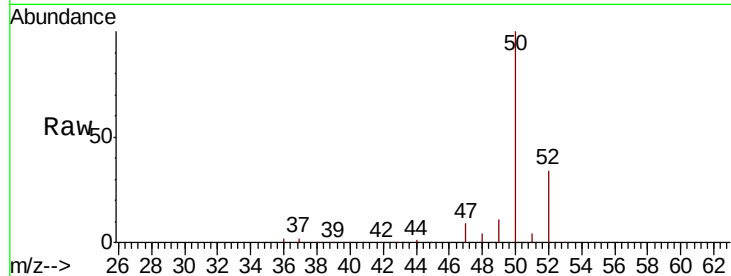
52 33.9 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 121.767 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064506.D

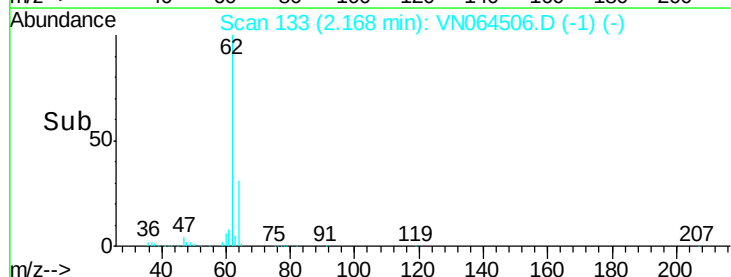
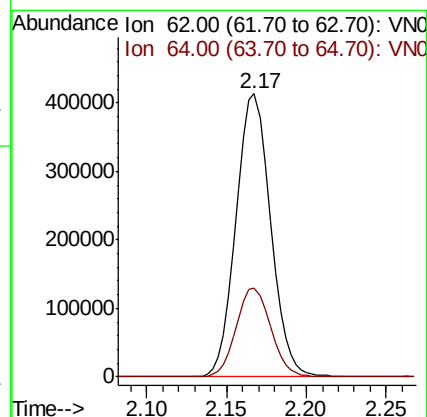
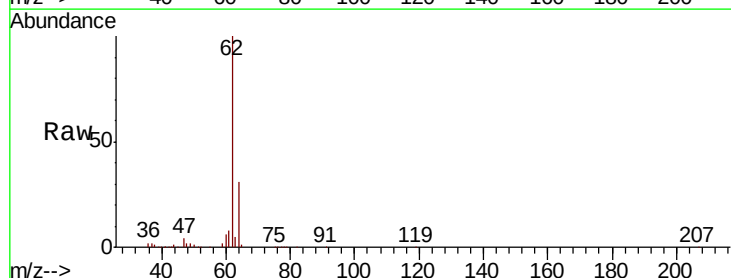
Acq: 9 Nov 2020 12:37

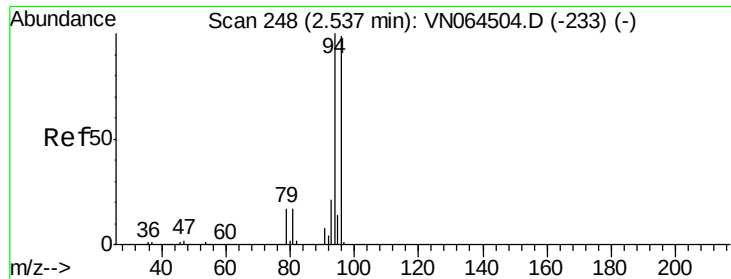
Tgt Ion: 62 Resp: 609491

Ion Ratio Lower Upper

62 100

64 31.3 25.8 38.8





#5

Bromomethane

Concen: 114.308 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 375209

Ion Ratio Lower Upper

94 100

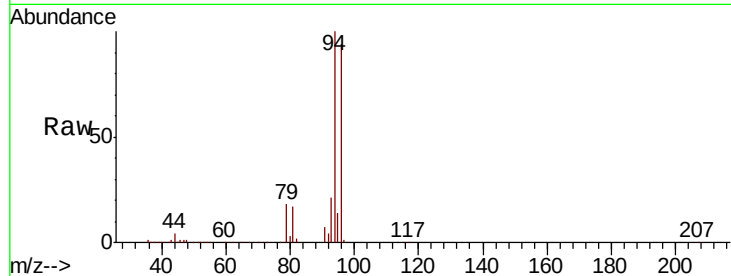
96 94.1 79.3 118.9

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

200000

150000

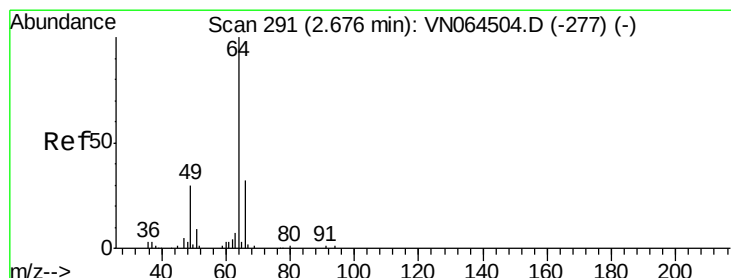
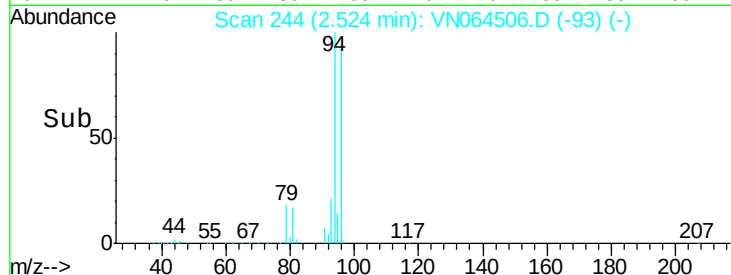
100000

50000

0

2.45 2.50 2.55

Time-->



#6

Chloroethane

Concen: 126.287 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN064506.D

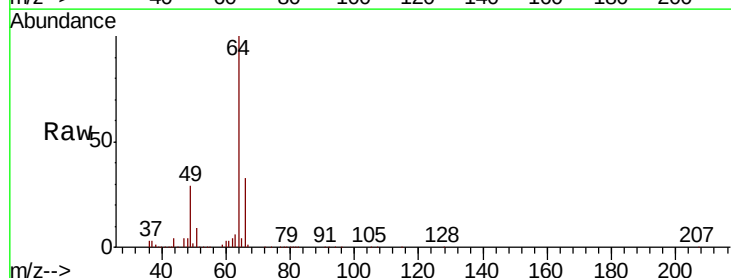
Acq: 9 Nov 2020 12:37

Tgt Ion: 64 Resp: 375545

Ion Ratio Lower Upper

64 100

66 33.1 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

200000

150000

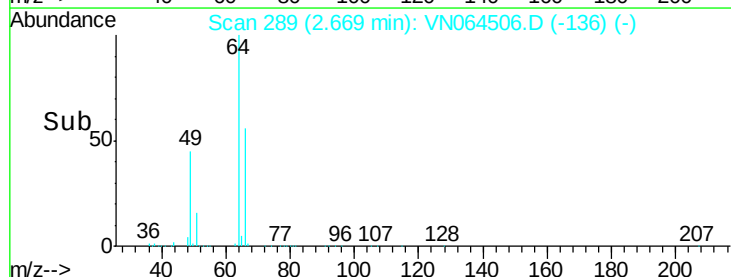
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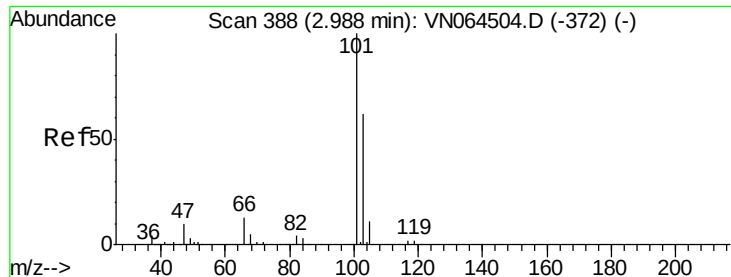
50000

0

2.60 2.70 2.80

Time-->





#7

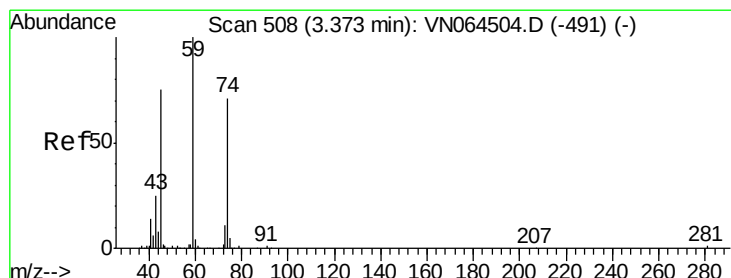
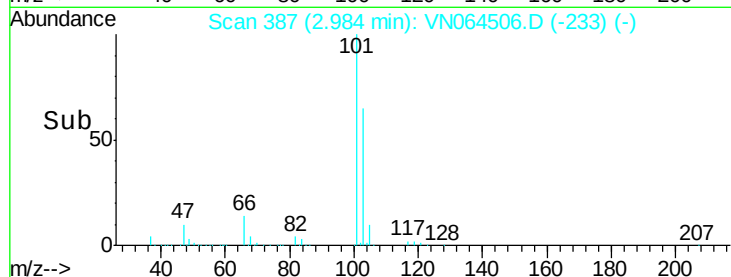
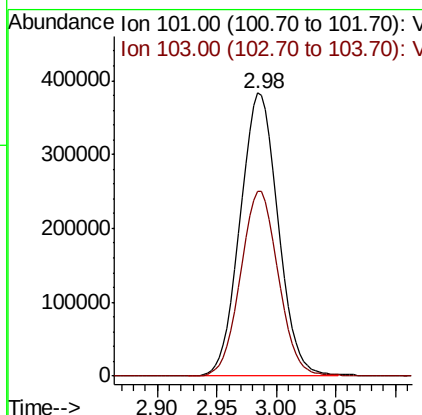
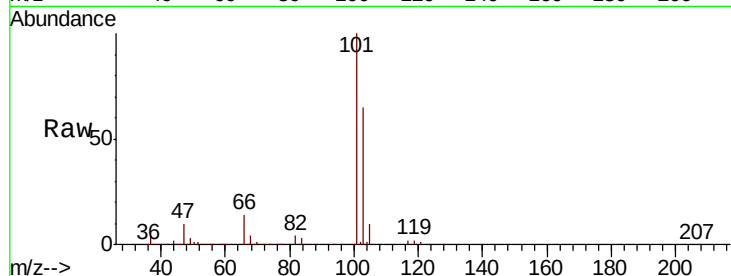
Trichlorofluoromethane
Concen: 105.321 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		848144		
103	65.1	49.3	73.9		

Manual Integrations
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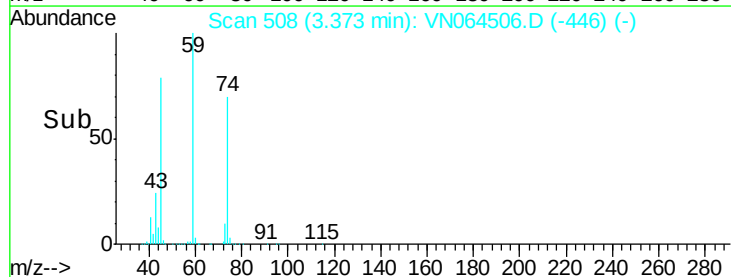
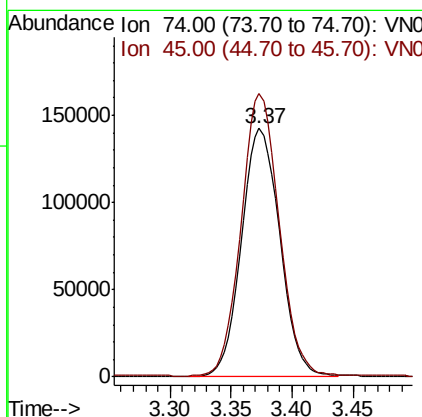
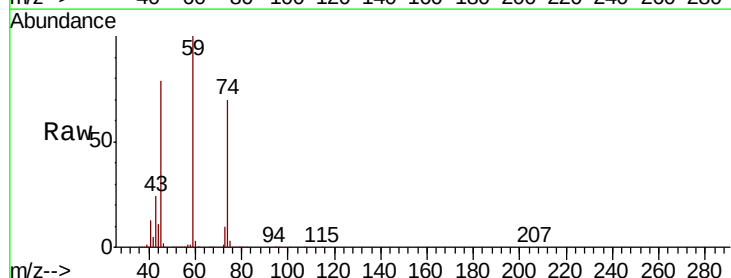
MMDadoda
11/10/2020 1:10:33 PM

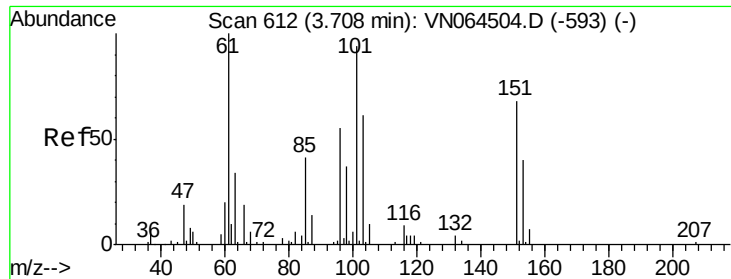


#8

Diethyl Ether
Concen: 120.431 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		310131		
45	112.2	22.1	198.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 101.077 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

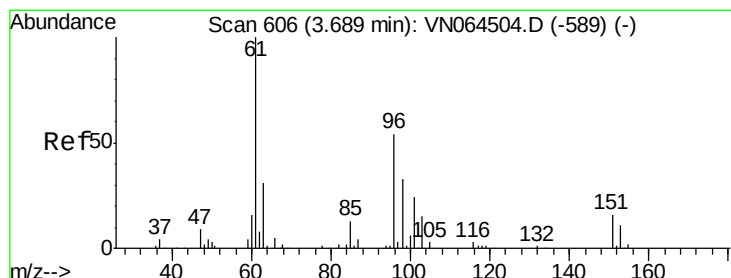
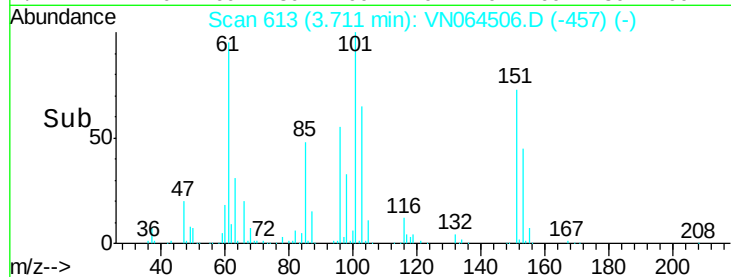
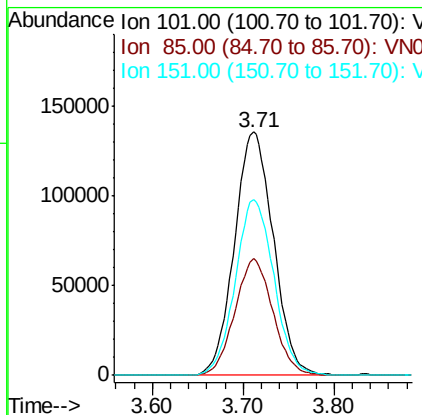
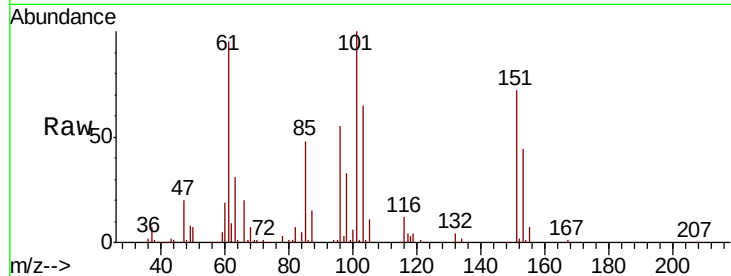
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	404147
Ion Ratio	Lower	Upper	
101	100		
85	46.8	0.0	49.0
151	71.6	0.0	80.2

Manual Integrations
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MMDadoda
11/10/2020 1:10:33 PM



#10

1,1-Dichloroethene

Concen: 102.711 ug/l

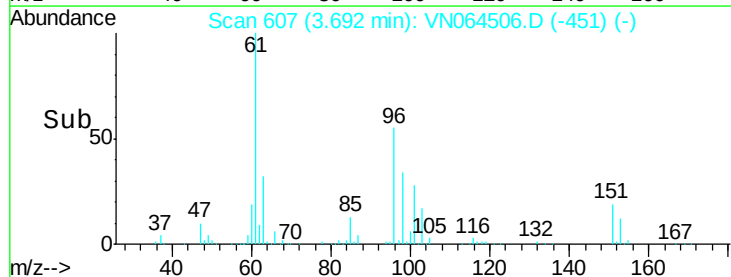
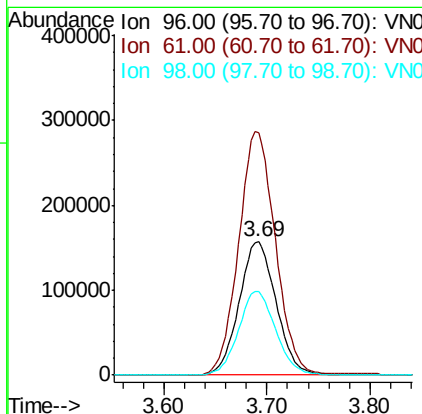
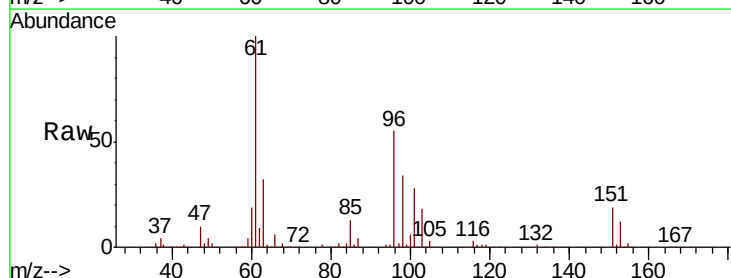
RT: 3.69 min Scan# 607

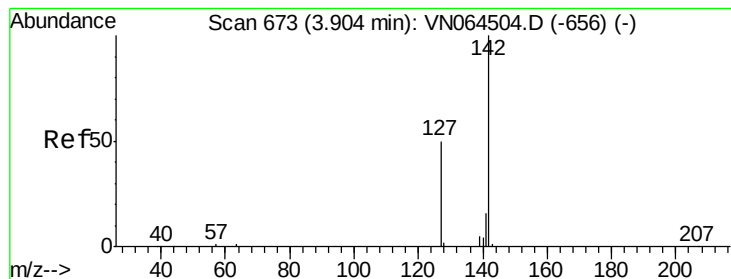
Delta R.T. 0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Tgt Ion:	96	Resp:	391588
Ion Ratio	Lower	Upper	
96	100		
61	182.6	149.2	223.8
98	62.5	49.6	74.4





#11

Methvl Iodide

Concen: 104.119 ug/l

RT: 3.91 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

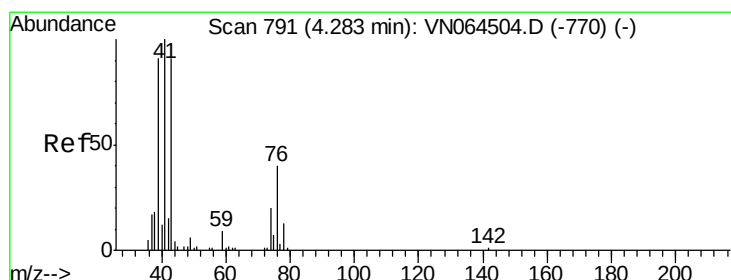
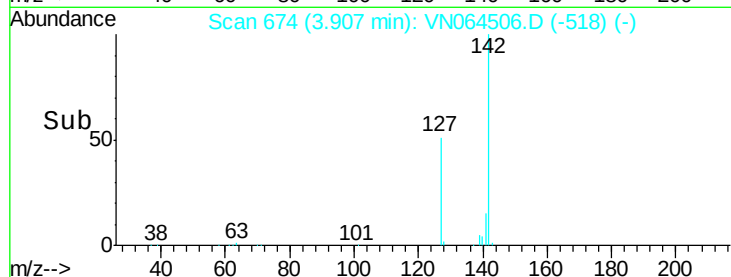
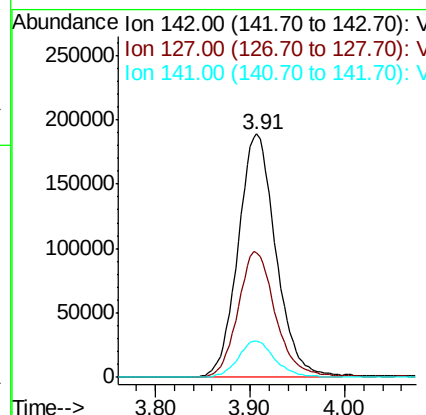
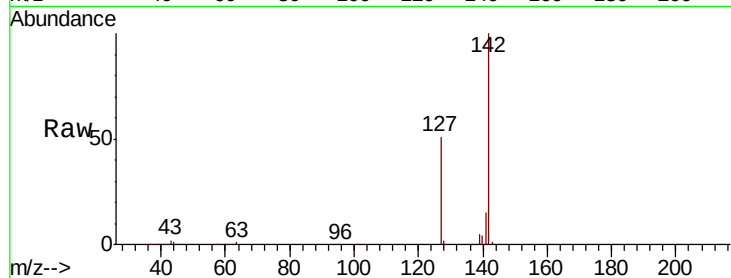
ClientSampleId :

VSTDIC100

Tot Ion:	142	Resp:	524284
Ion Ratio	Lower	Upper	
142	100		
127	51.2	24.7	74.1
141	14.7	7.8	23.3

Manual Integrations
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MMDadoda
11/10/2020 1:10:33 PM



#12

Methyl Acetate

Concen: 121.258 ug/l

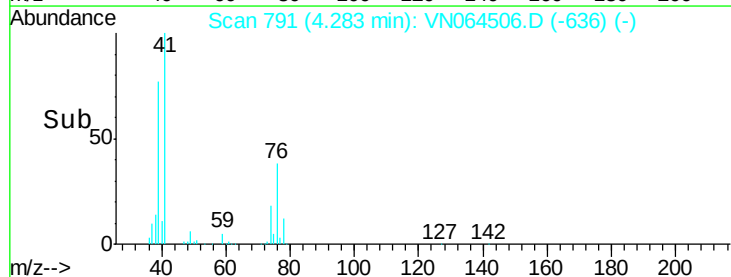
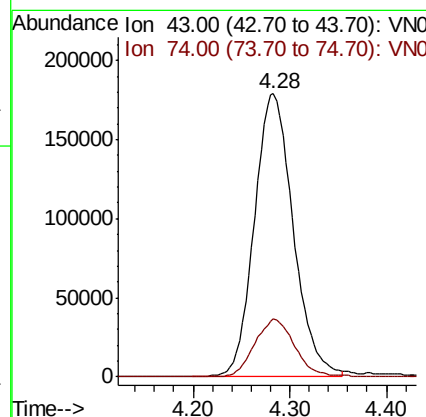
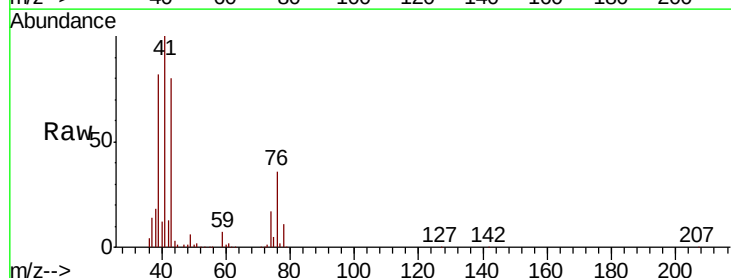
RT: 4.28 min Scan# 791

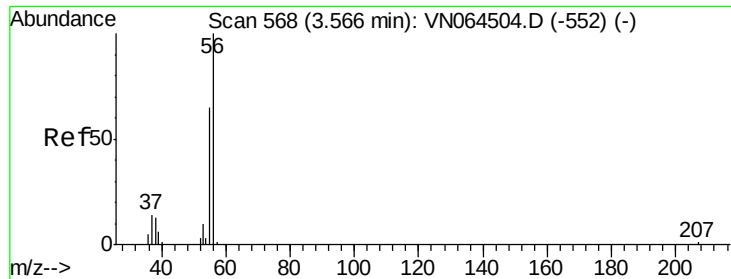
Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Tgt Ion:	43	Resp:	497635
Ion Ratio	Lower	Upper	
43	100		
74	20.7	17.7	26.5





#13

Acrolein

Concen: 658.021 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 255677

Ion Ratio Lower Upper

56 100

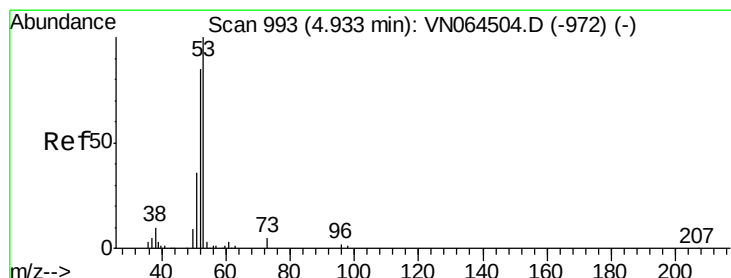
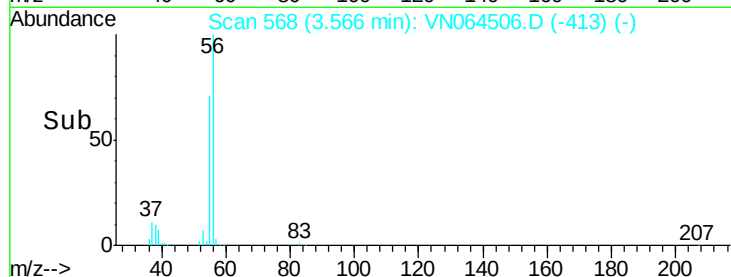
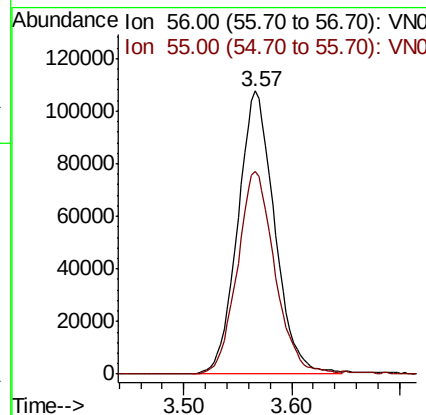
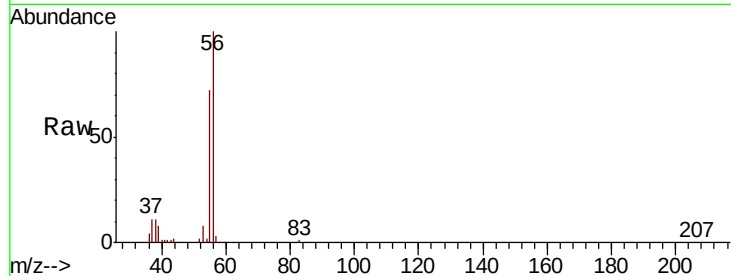
55 71.9 58.2 87.2

Manual Integrations

APPROVED

MMDadoda

11/10/2020 1:10:33 PM



#14

Acrylonitrile

Concen: 612.529 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

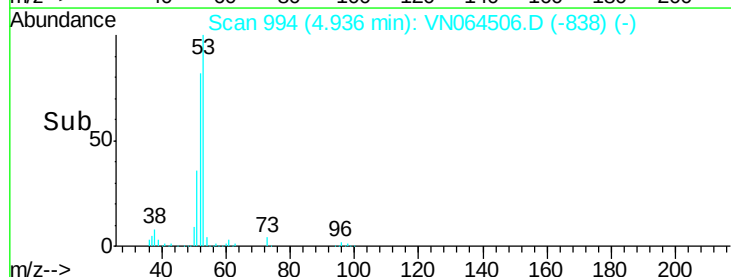
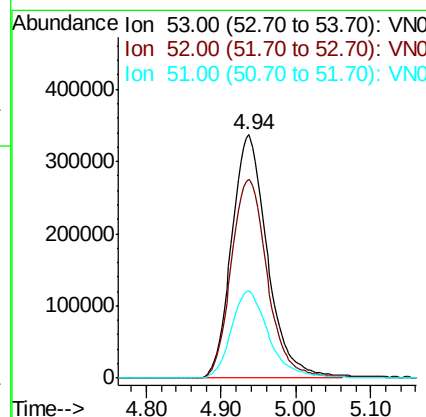
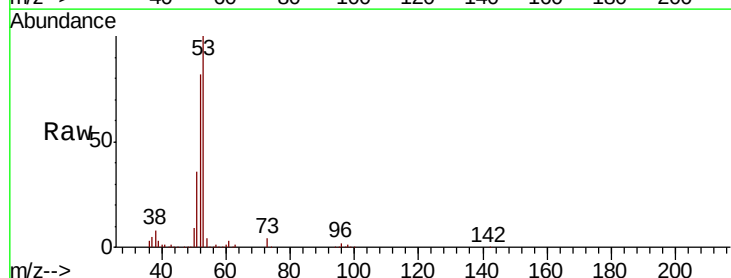
Tgt Ion: 53 Resp: 1118320

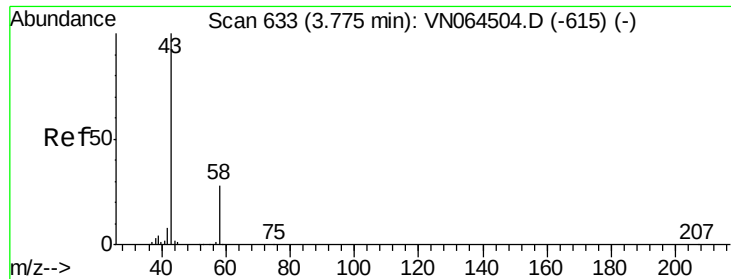
Ion Ratio Lower Upper

53 100

52 82.7 41.3 124.1

51 37.6 18.9 56.5





#15

Acetone

Concen: 533.387 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Tot Ion: 58 Resp: 335959

Ion Ratio Lower Upper

58 100

43 368.4 289.8 434.8

Instrument :

MSVOA_N

ClientSampleId :

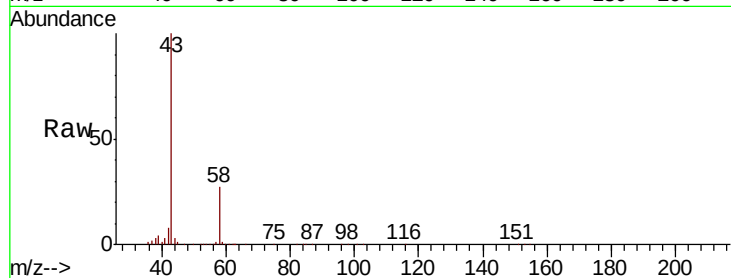
VSTDIC100

Manual Integrations

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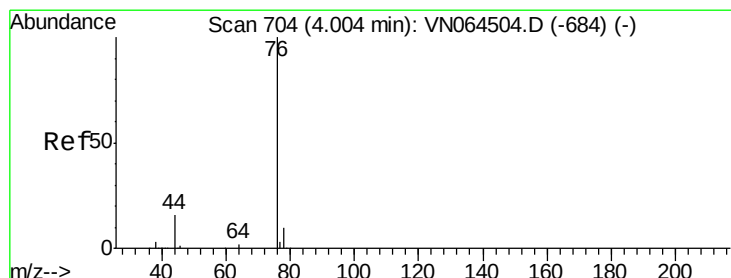
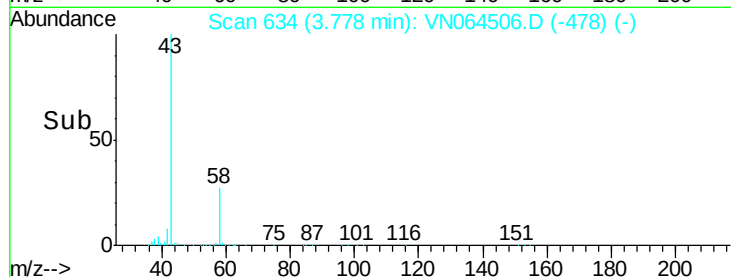
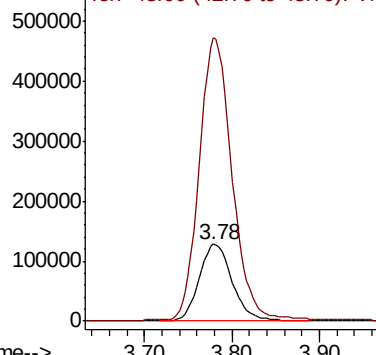
MMDadoda

11/10/2020 1:10:33 PM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 108.774 ug/l

RT: 4.01 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN064506.D

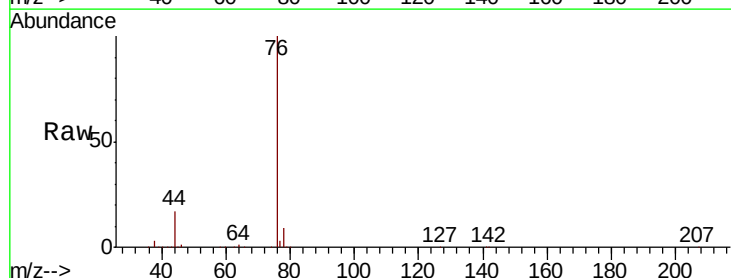
Acq: 9 Nov 2020 12:37

Tgt Ion: 76 Resp: 1193641

Ion Ratio Lower Upper

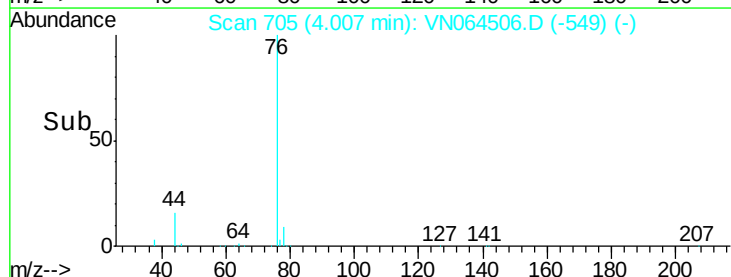
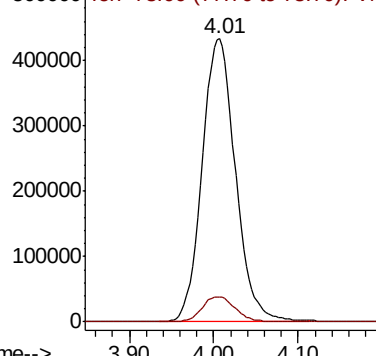
76 100

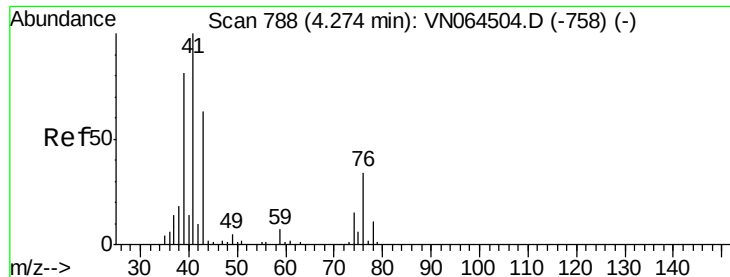
78 8.9 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 114.792 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

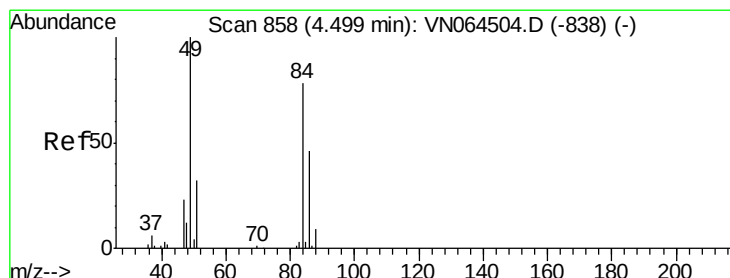
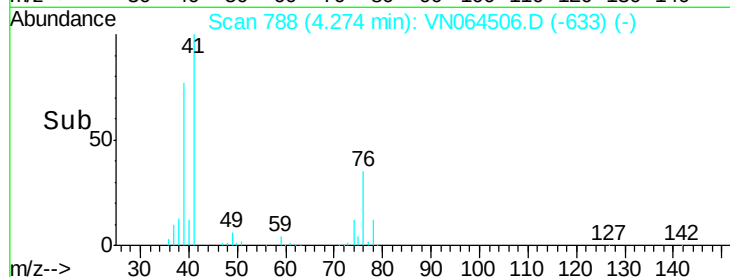
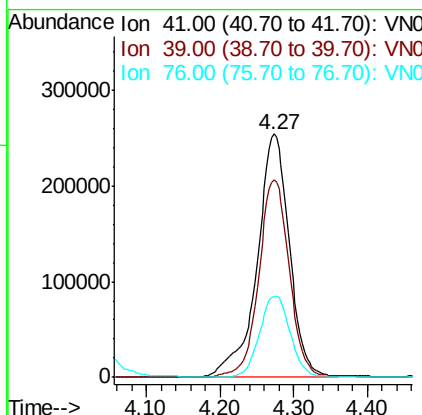
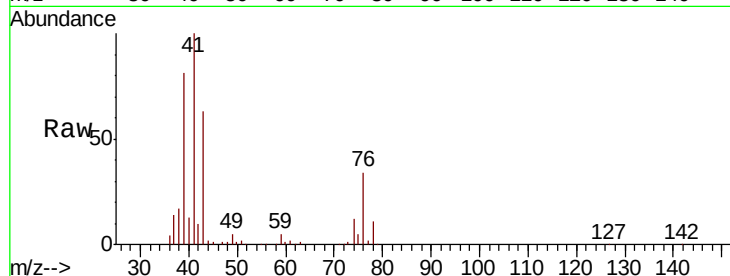
ClientSampleId :

VSTDIC100

Tot Ion:	41	Resp:	777326
Ion	Ratio	Lower	Upper
41	100		
39	80.9	40.3	120.8
76	33.3	16.8	50.3

Manual Integrations
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11/10/2020 1:10:33 PM



#18

Methylene Chloride

Concen: 104.746 ug/l

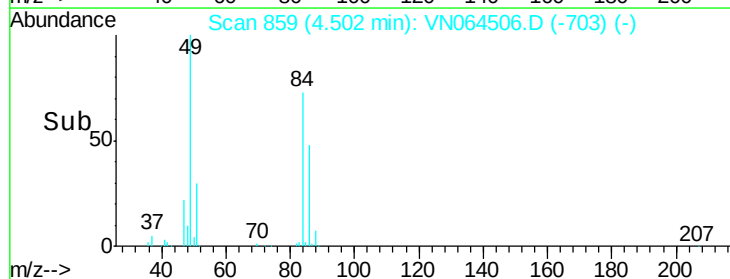
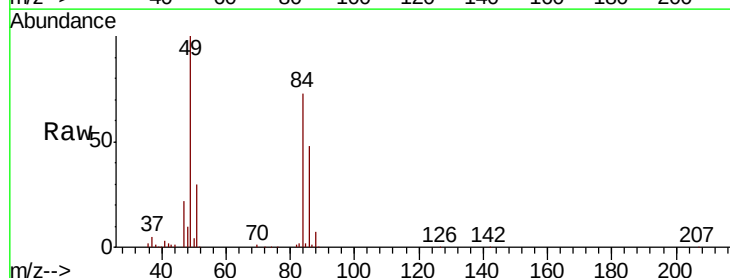
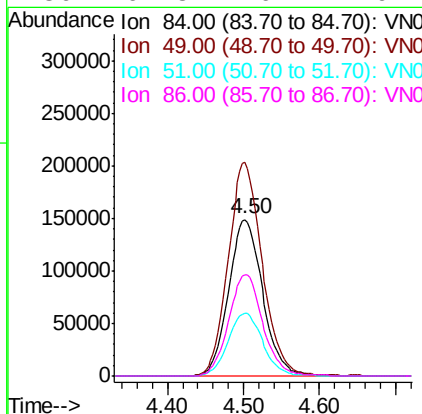
RT: 4.50 min Scan# 859

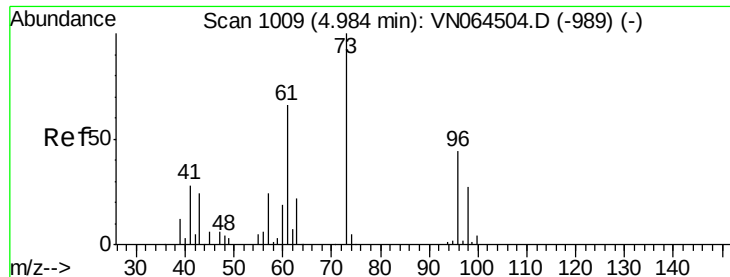
Delta R.T. 0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Tgt Ion:	84	Resp:	463984
Ion	Ratio	Lower	Upper
84	100		
49	136.3	102.1	153.1
51	40.5	32.6	48.8
86	64.8	46.7	70.1





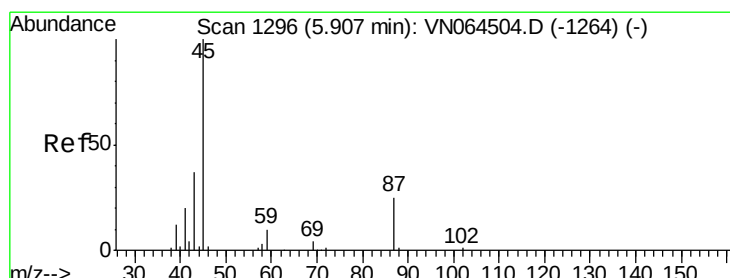
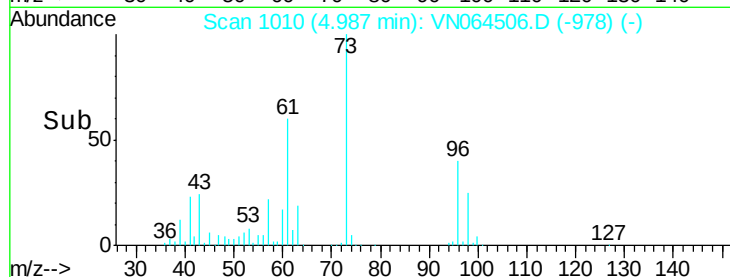
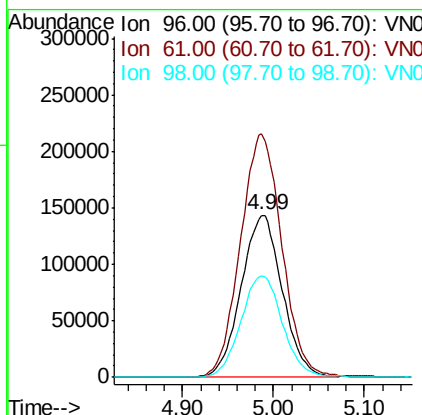
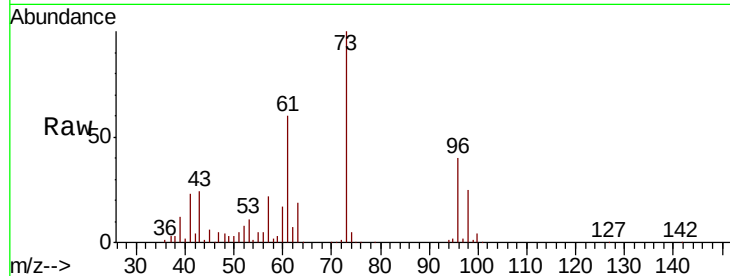
#19
trans-1,2-Dichloroethene
Concen: 107.169 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.4	120.1	180.1
98	62.4	49.1	73.7

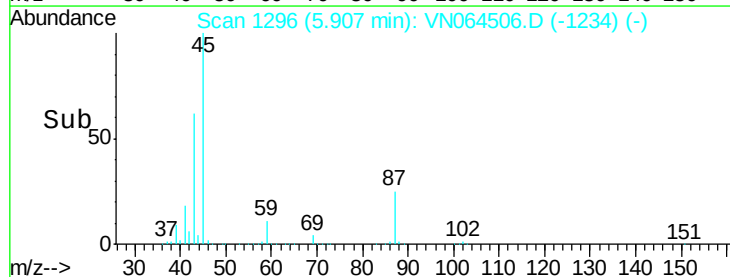
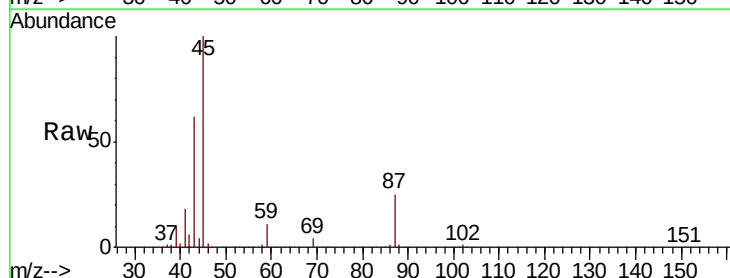
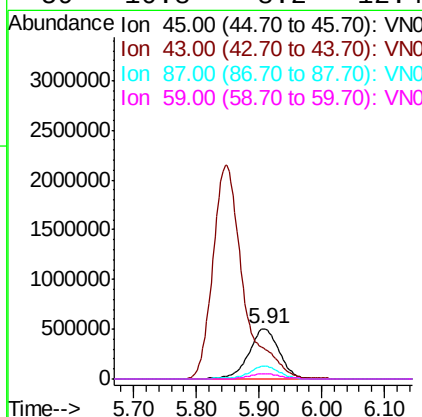
Manual Integrations
APPROVED

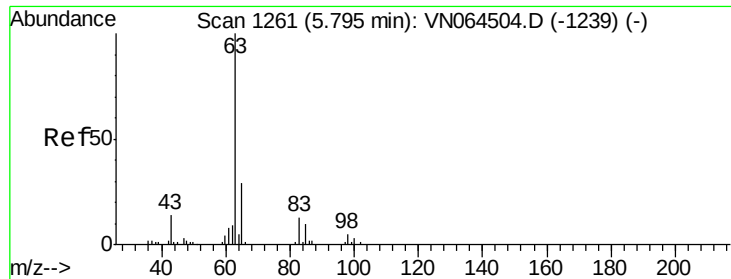
MMDadoda
11/10/2020 1:10:33 PM



#20
Diisopropyl ether
Concen: 118.721 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.0	53.1	79.7
87	25.3	21.0	31.6
59	10.8	8.2	12.4





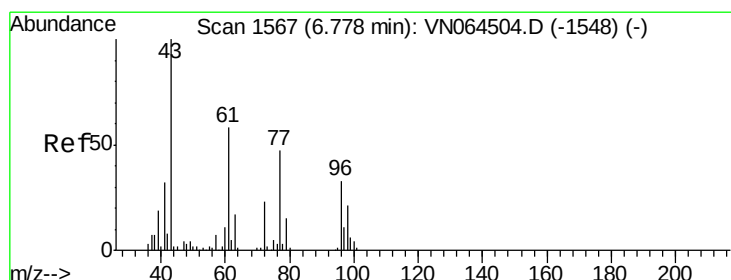
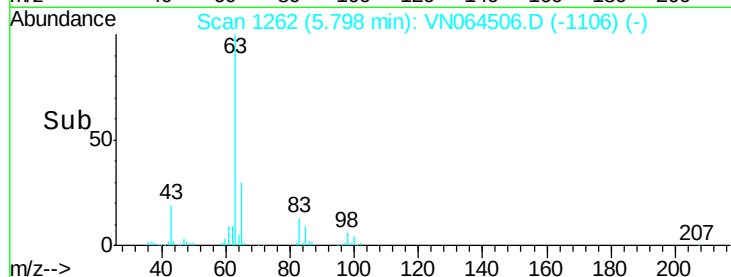
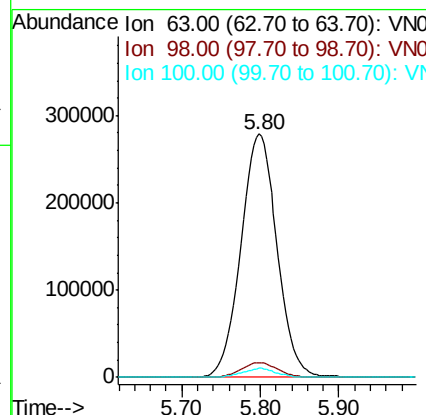
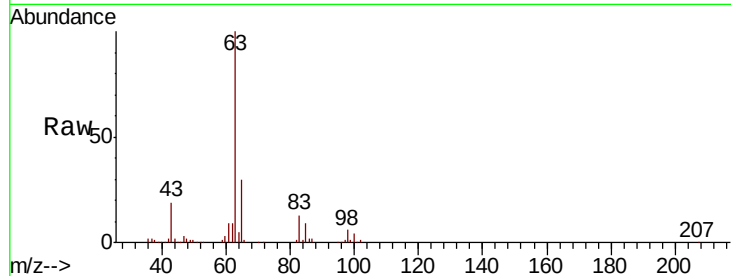
#21
 1,1-Dichloroethane
 Concen: 110.450 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
63	100	897053		
98	6.1		2.6	8.0
100	3.7		1.7	5.1

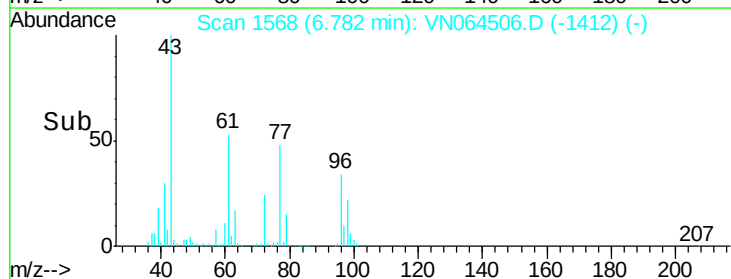
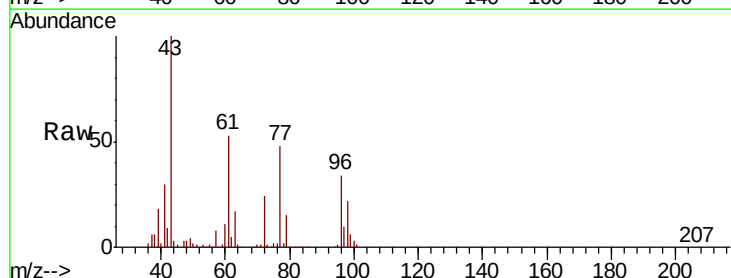
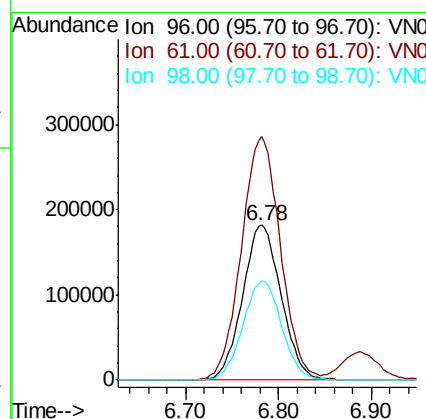
Manual Integrations
 APPROVED

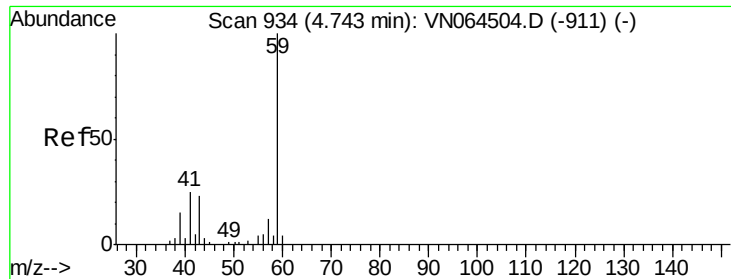
MMDadoda
 11/10/2020 1:10:33 PM



#22
 cis-1,2-Dichloroethene
 Concen: 107.097 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	525380		
61	158.9		136.1	204.1
98	64.3		51.8	77.8





#23

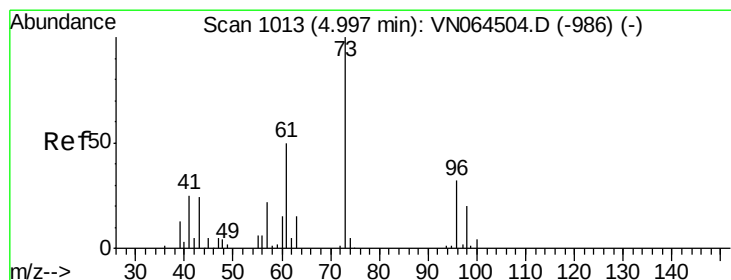
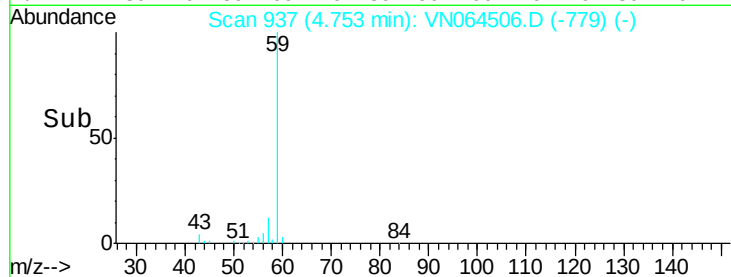
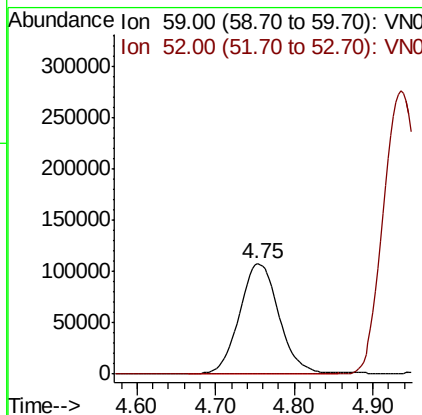
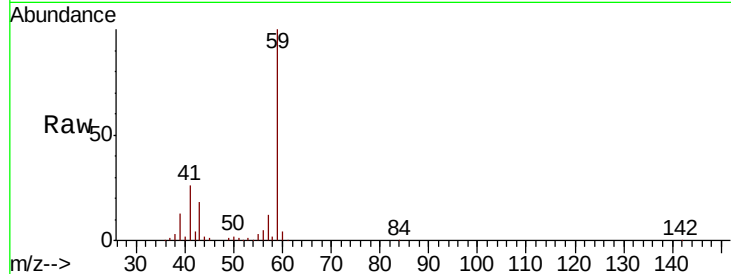
tert-Butyl Alcohol
Concen: 557.303 ug/l
RT: 4.75 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

Manual Integrations
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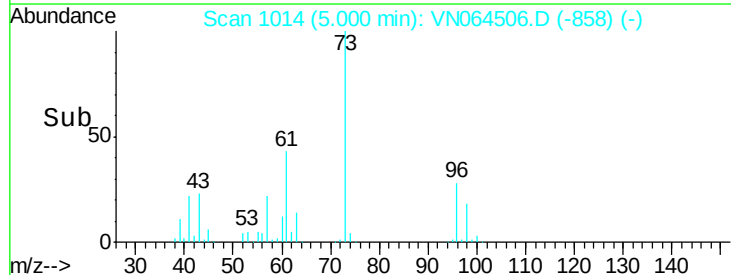
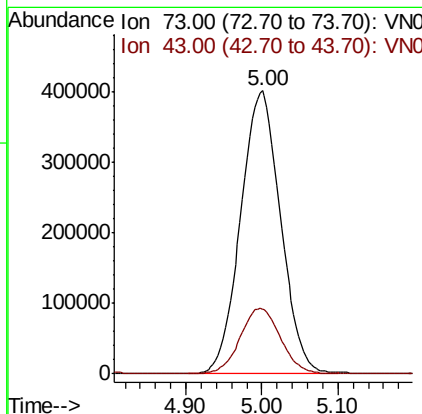
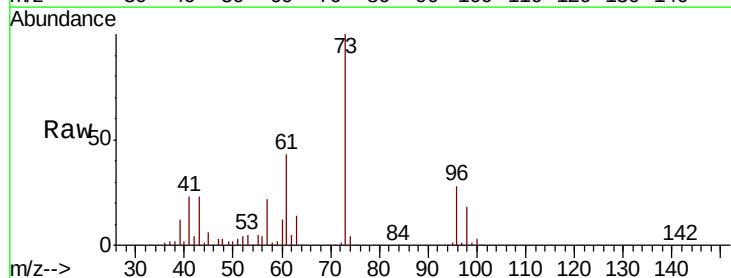
MMDadoda
11/10/2020 1:10:33 PM

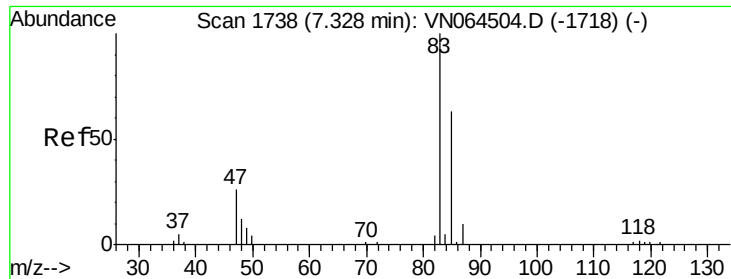


#24

Methyl tert-Butyl Ether
Concen: 108.628 ug/l
RT: 5.00 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.2	10.2	15.2#





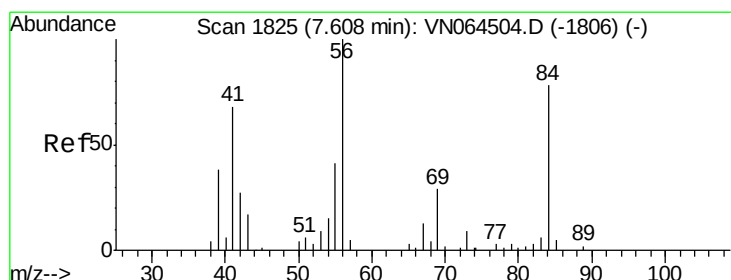
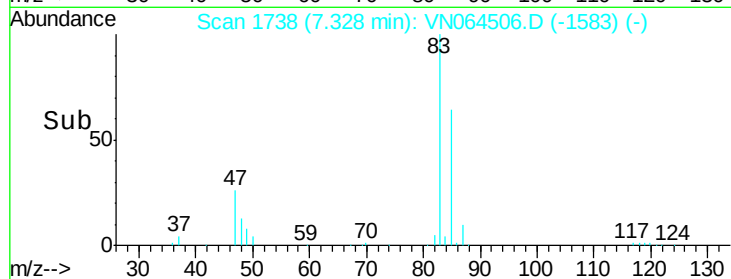
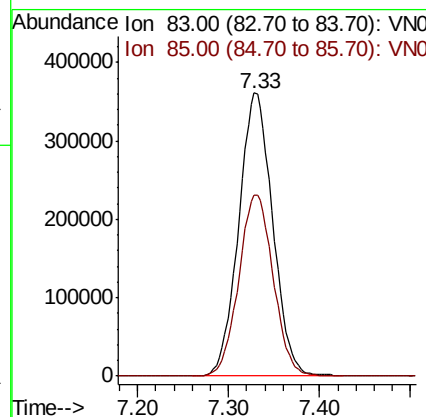
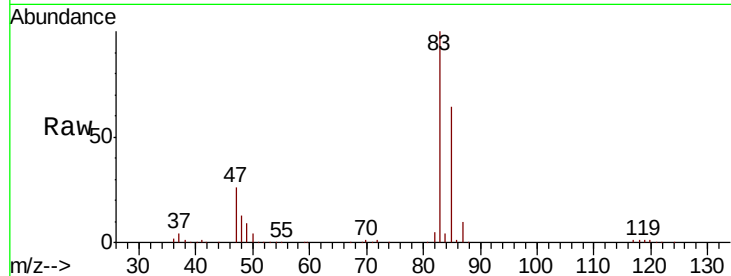
#25
Chloroform
Concen: 107.629 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	83.00	Resp	937160
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	50.6	75.8

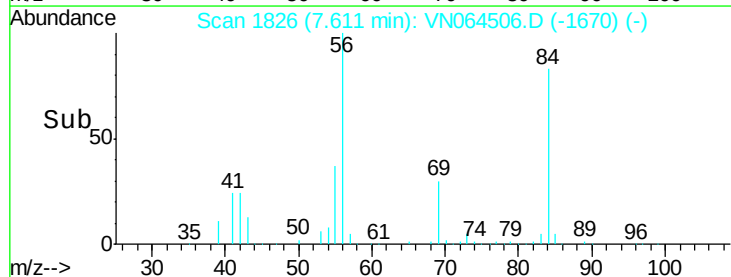
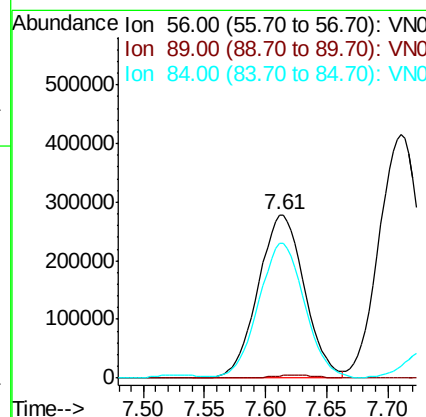
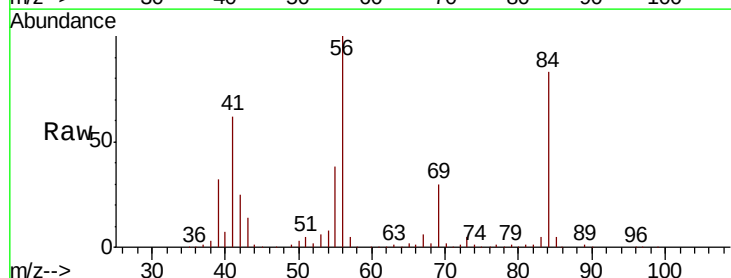
Manual Integrations
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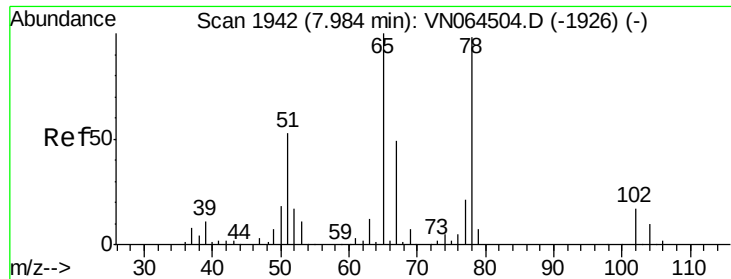
MMDadoda
11/10/2020 1:10:33 PM



#26
Cyclohexane
Concen: 114.569 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion	56	Resp	734737
Ion Ratio	100	Lower	Upper
56	100		
89	1.7	0.6	0.8#
84	82.3	66.1	99.1





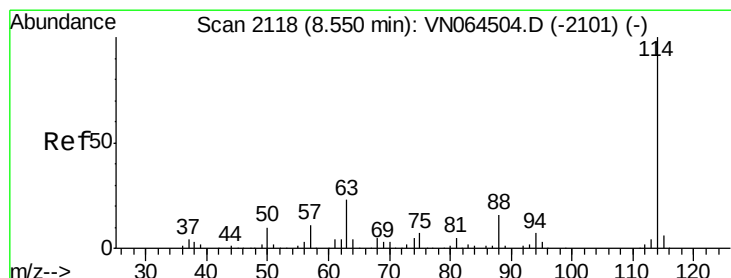
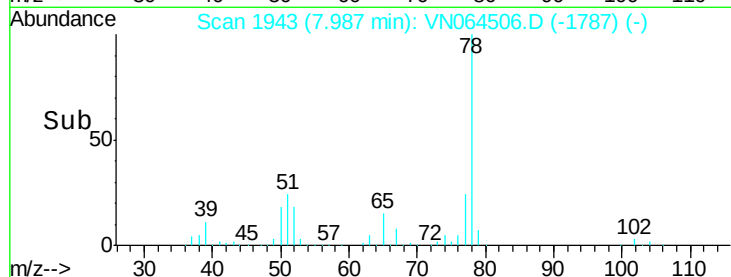
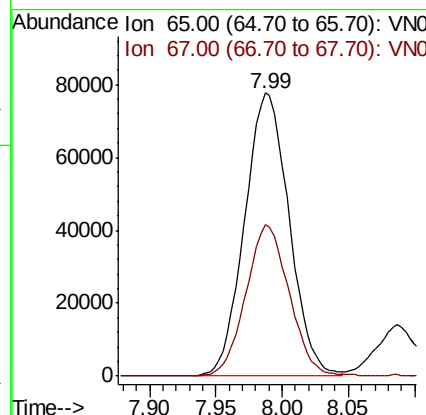
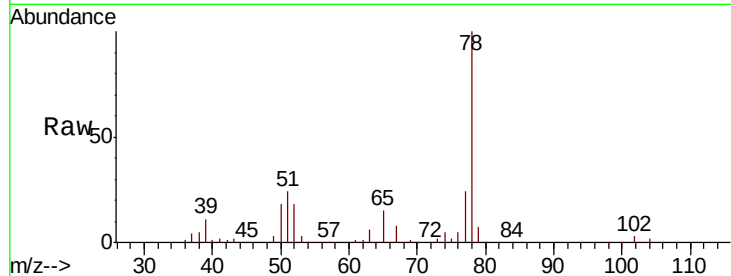
#27
 1,2-Dichloroethane-d4
 Concen: 31.086 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 181682
 Ion Ratio Lower Upper
 65 100
 67 51.9 41.1 61.7

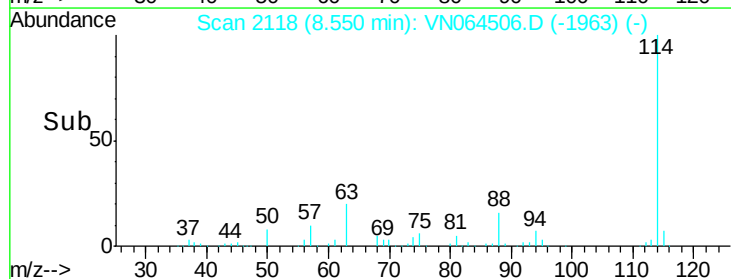
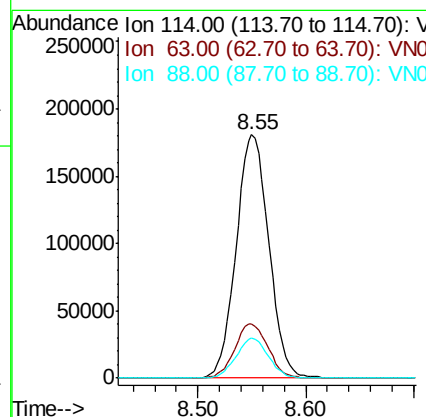
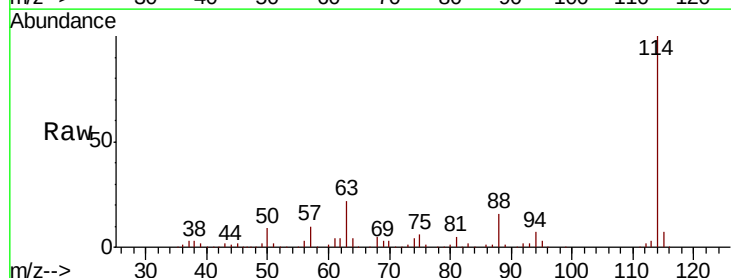
Manual Integrations
 APPROVED

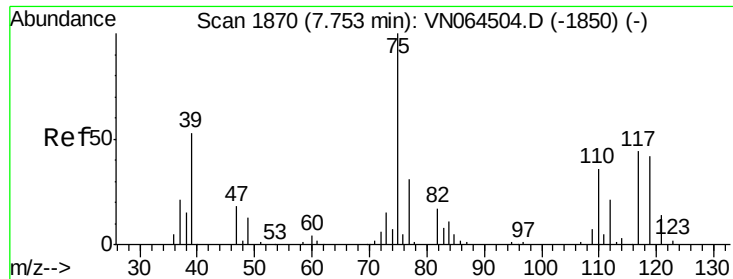
MMDadoda
 11/10/2020 1:10:33 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Tgt Ion: 114 Resp: 381977
 Ion Ratio Lower Upper
 114 100
 63 22.7 18.5 27.7
 88 16.3 13.0 19.6





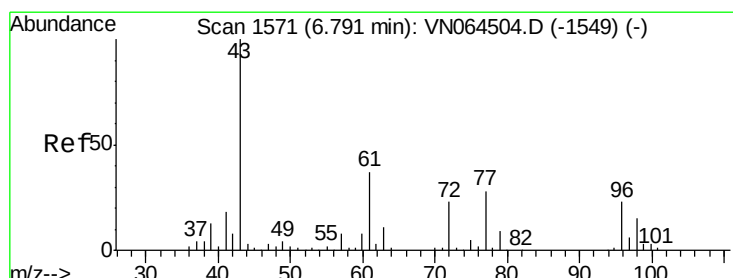
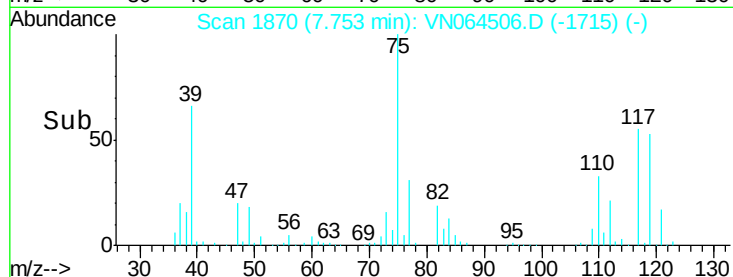
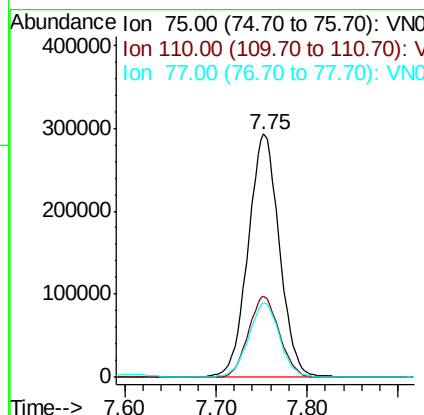
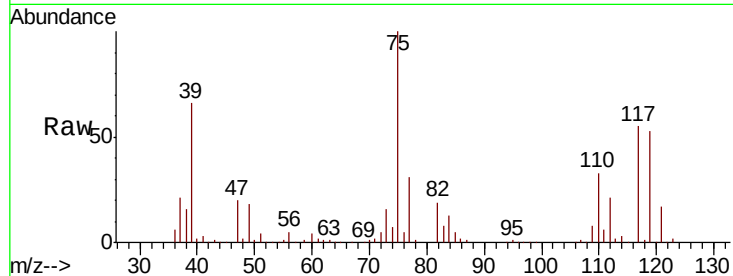
#29
 1,1-Dichloropropene
 Concen: 112.019 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.0	0.0	66.4
77	30.6	0.0	62.0

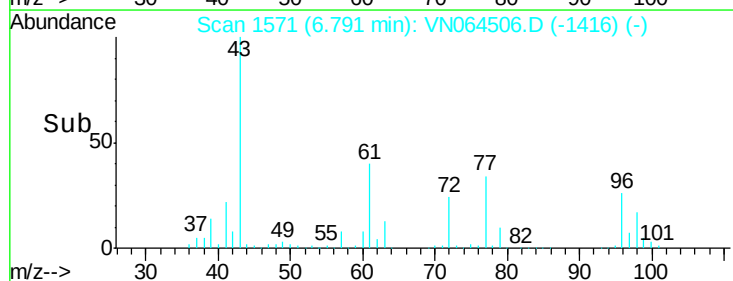
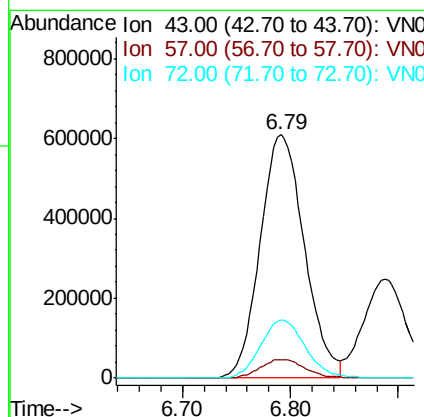
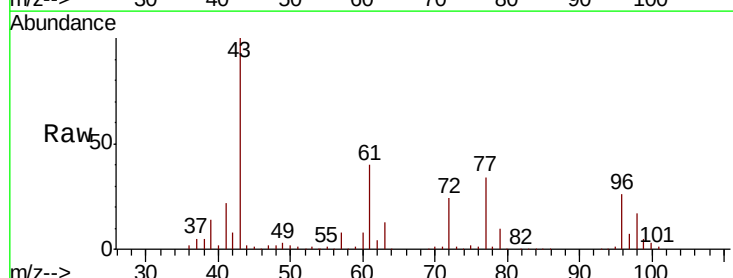
Manual Integrations
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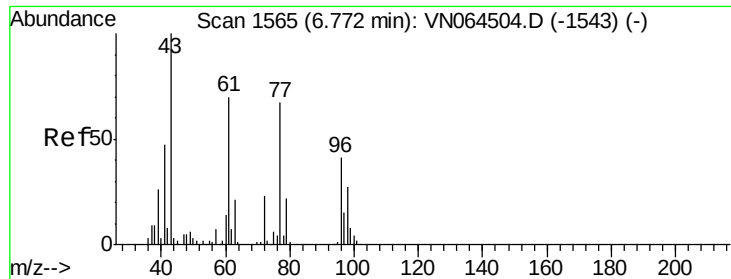
MMDadoda
 11/10/2020 1:10:33 PM



#30
 2-Butanone
 Concen: 605.414 ug/l
 RT: 6.79 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.9	6.2	9.4
72	24.3	9.9	14.9#





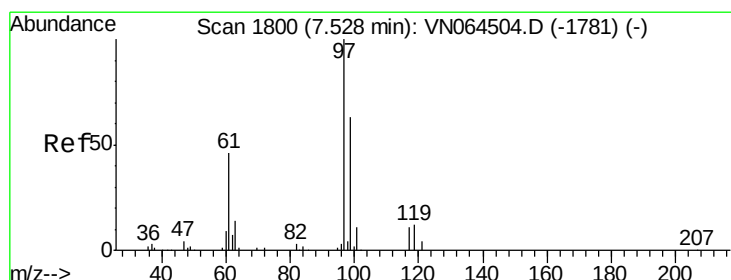
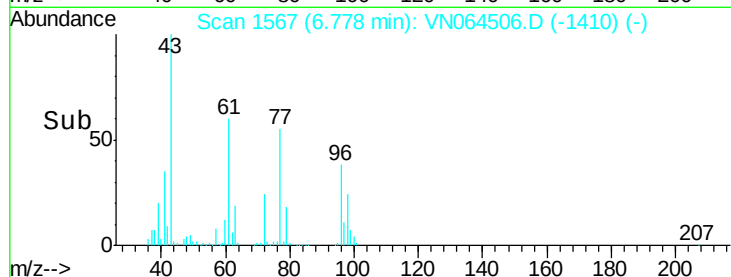
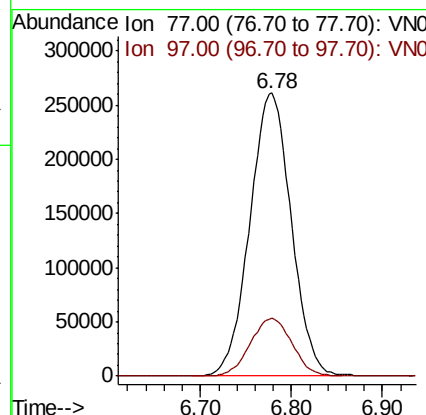
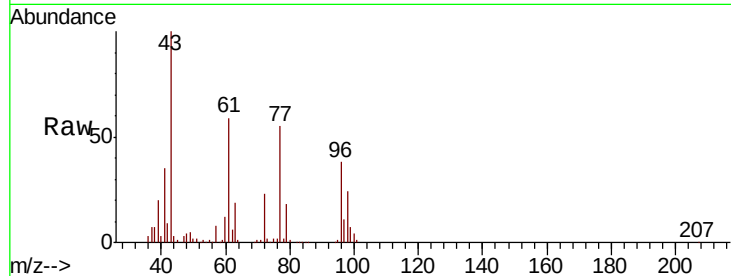
#31
 2,2-Dichloropropane
 Concen: 108.502 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
77	100		
97	20.7	16.9	25.3

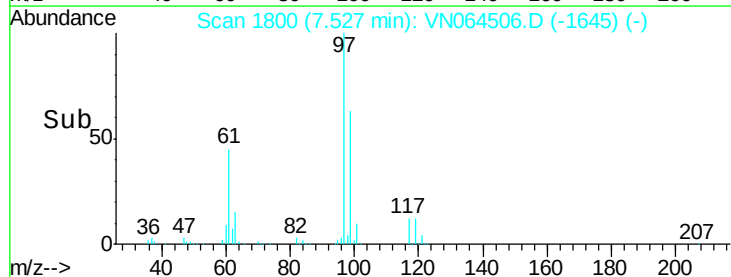
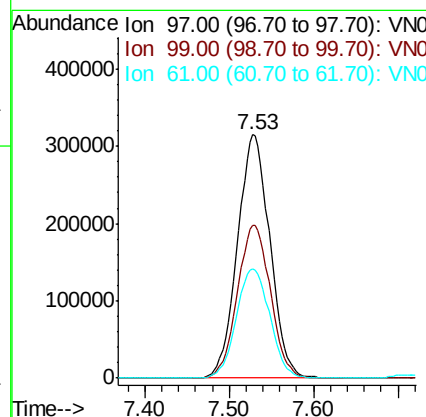
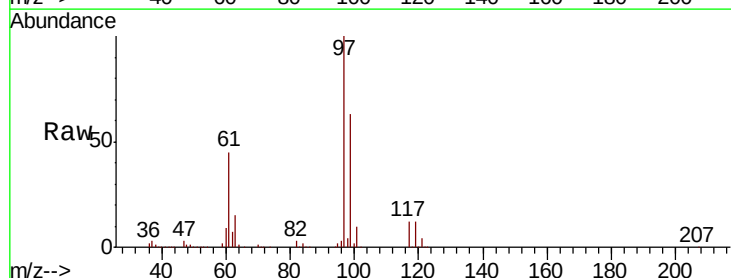
Manual Integrations
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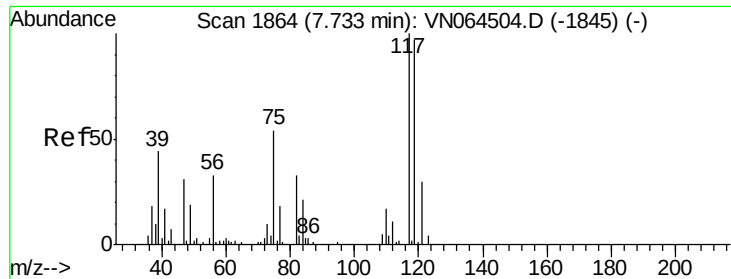
MMDadoda
 11/10/2020 1:10:33 PM



#32
 1,1,1-Trichloroethane
 Concen: 105.114 ug/l
 RT: 7.53 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.8	77.8
61	46.2	39.4	59.0





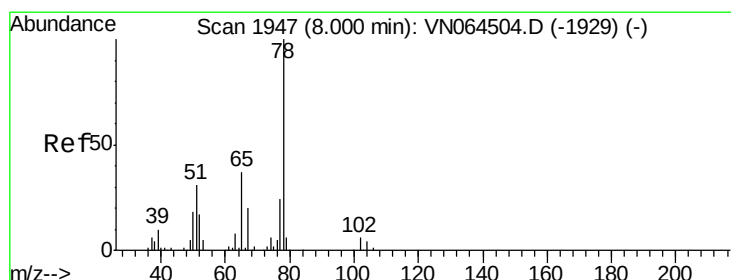
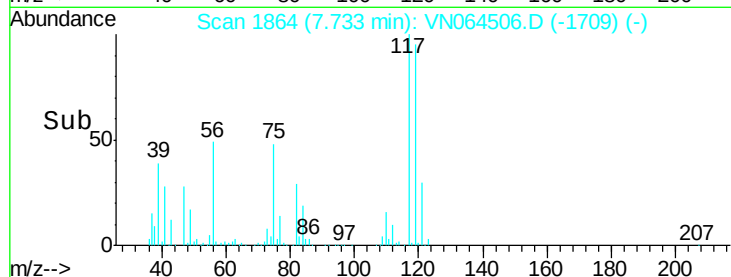
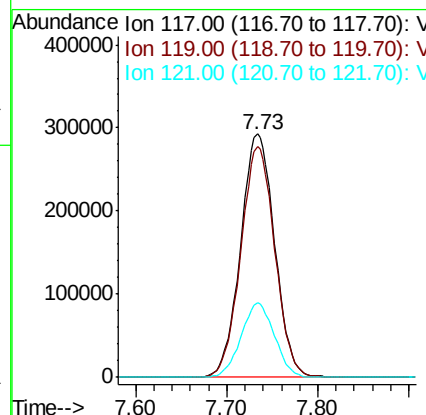
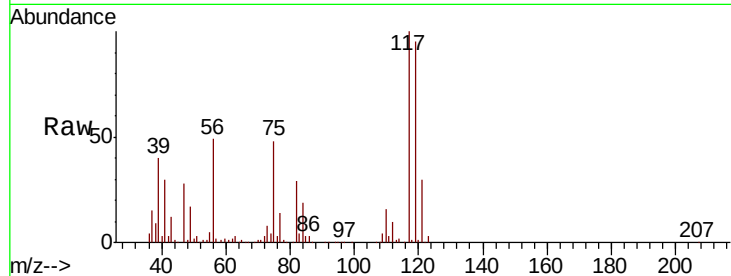
#33
Carbon Tetrachloride
Concen: 104.942 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.9	116.9
121	30.5	24.0	36.0

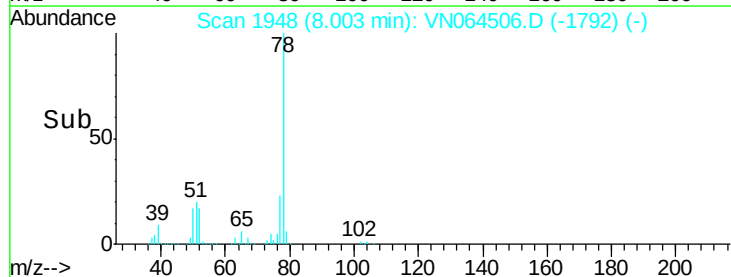
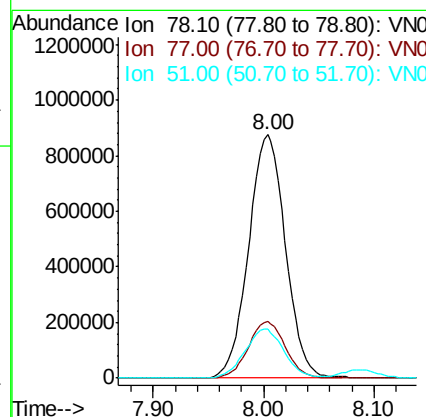
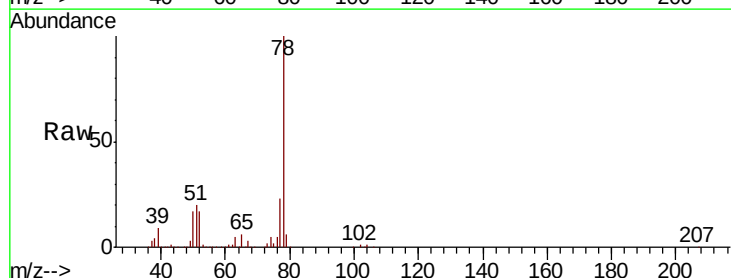
Manual Integrations
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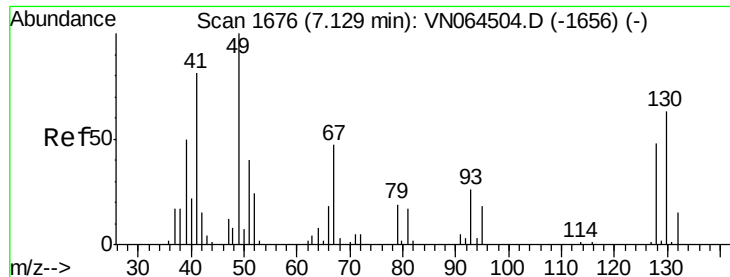
MMDadoda
11/10/2020 1:10:33 PM



#34
Benzene
Concen: 114.835 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.9	28.3
51	19.9	24.6	36.8#





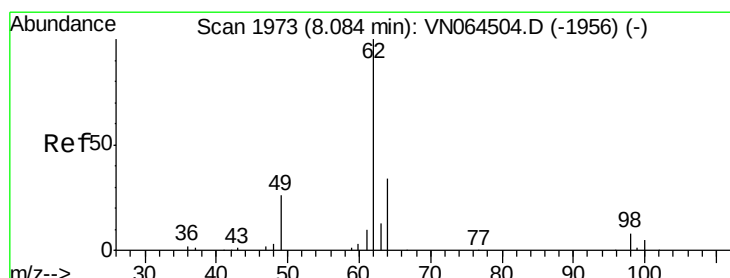
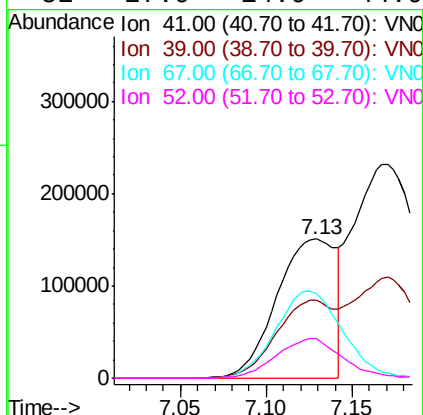
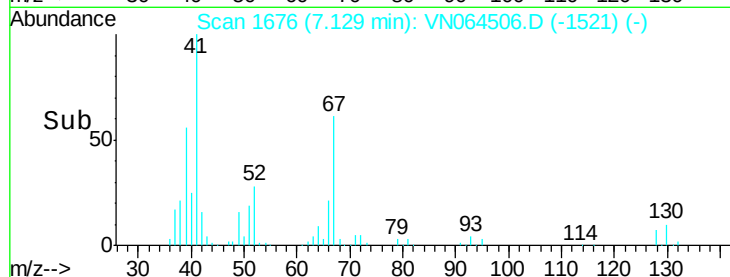
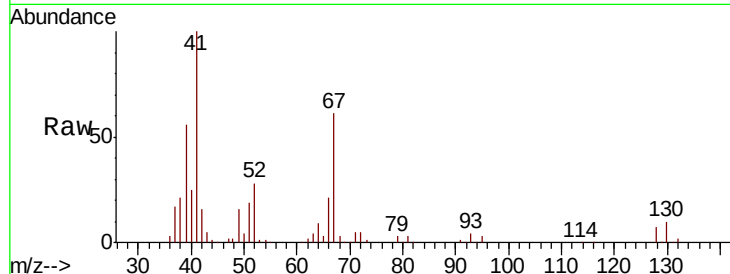
#35
Methacrylonitrile
Concen: 129.348 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	41	Resp	360054
Ion	Ratio	Lower	Upper
41	100		
39	55.7	30.0	90.1
67	61.1	29.2	87.6
52	27.9	14.9	44.9

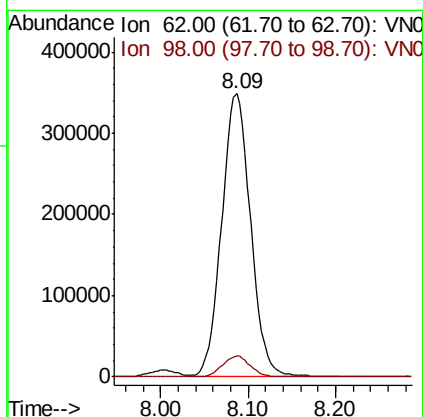
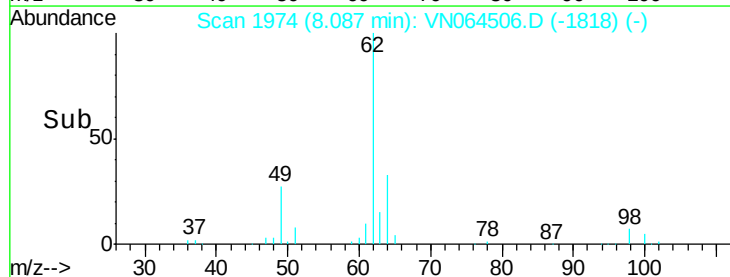
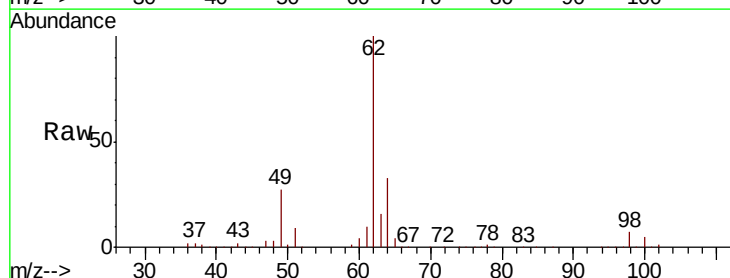
Manual Integrations
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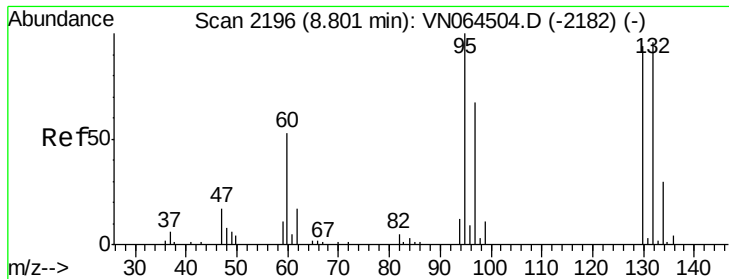
MMDadoda
11/10/2020 1:10:33 PM



#36
1,2-Dichloroethane
Concen: 109.672 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion	62	Resp	798372
Ion	Ratio	Lower	Upper
62	100		
98	7.2	5.5	8.3





#37

Trichloroethene

Concen: 103.166 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:130 Resp: 502142

Ion Ratio Lower Upper

130 100

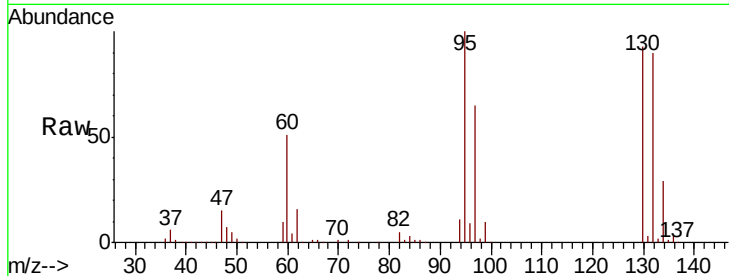
95 107.0 85.1 127.7

Manual Integrations

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11/10/2020 1:10:33 PM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.80

250000

200000

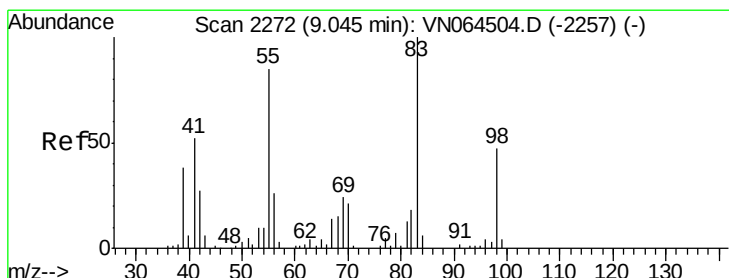
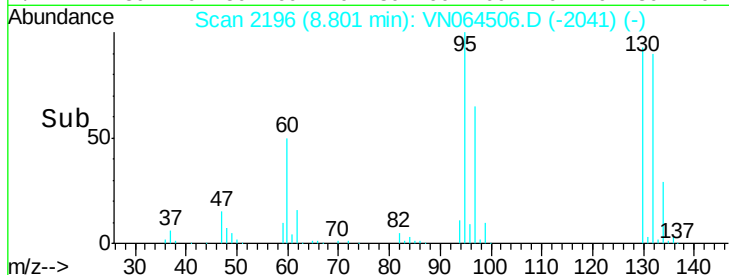
150000

100000

50000

0

Time-->



#38

Methylcyclohexane

Concen: 117.198 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

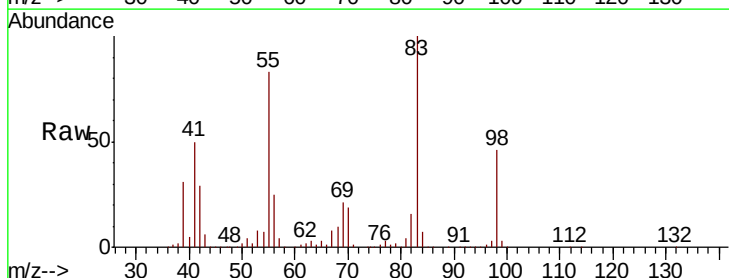
Tgt Ion: 83 Resp: 657980

Ion Ratio Lower Upper

83 100

55 83.1 42.0 126.1

98 44.8 22.5 67.5



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

9.05

400000

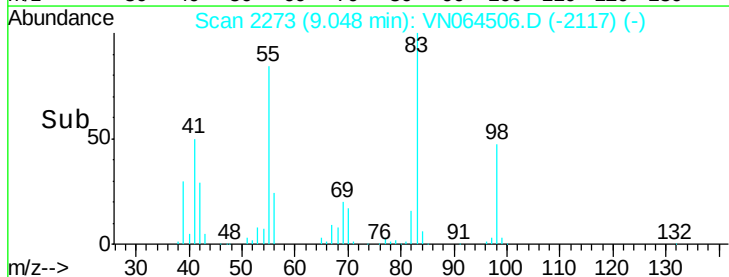
300000

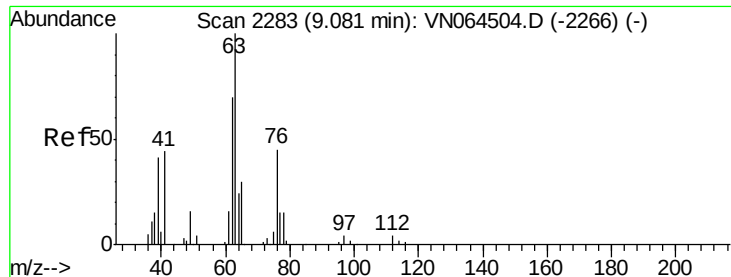
200000

100000

0

Time-->





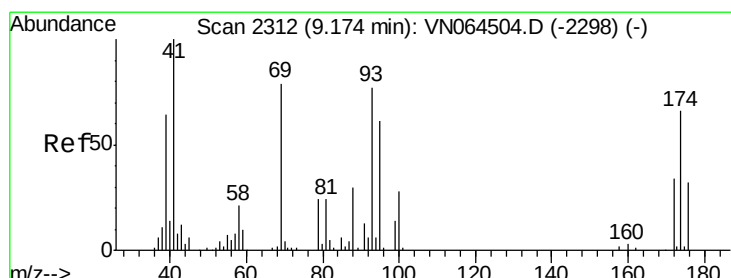
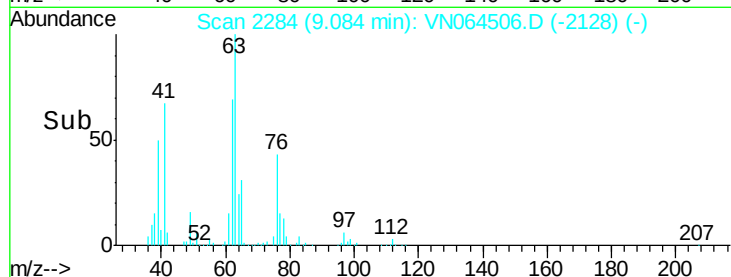
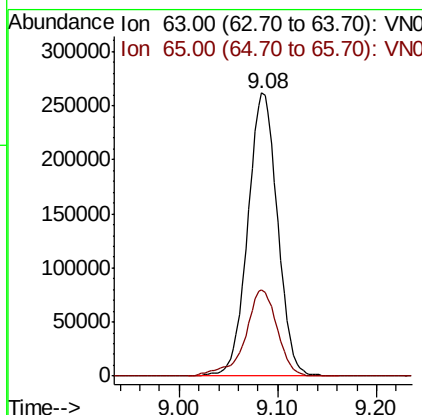
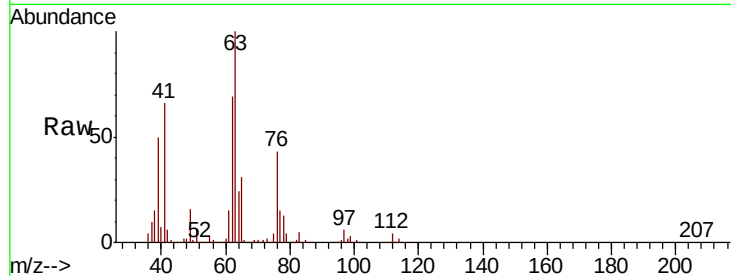
#39
 1,2-Dichloropropane
 Concen: 118.349 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	24.4	36.6

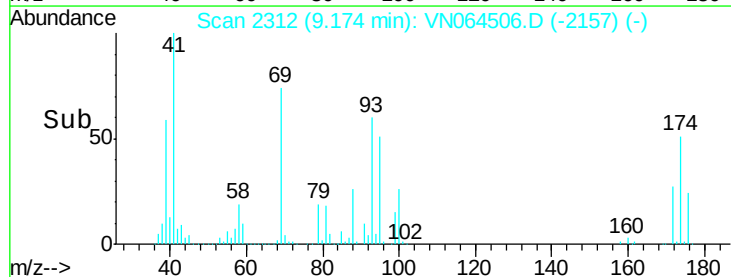
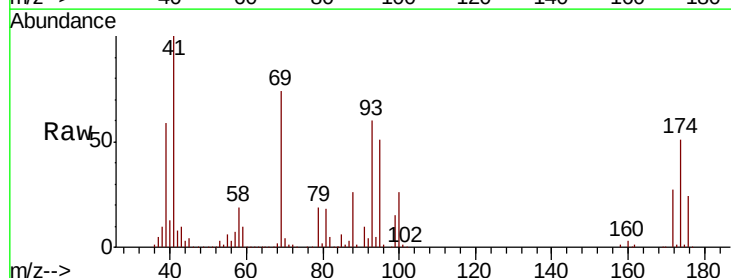
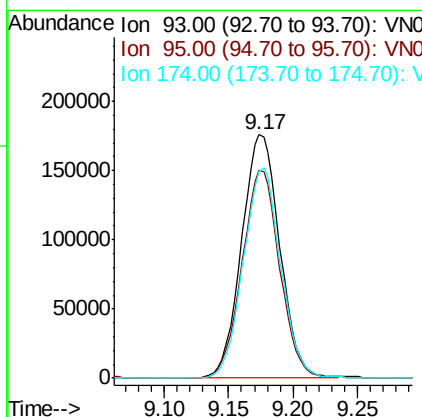
Manual Integrations
 APPROVED

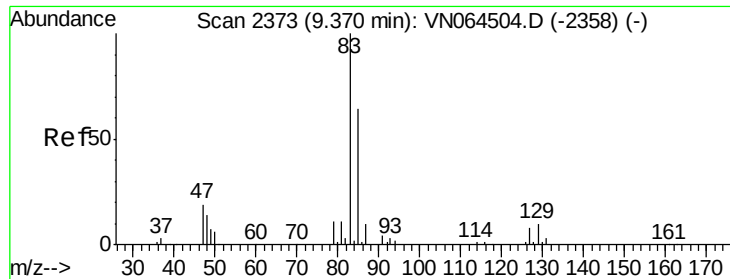
MMDadoda
 11/10/2020 1:10:33 PM



#40
 Dibromomethane
 Concen: 110.777 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	0.0	164.6
174	84.7	0.0	165.6





#41

Bromodichloromethane

Concen: 114.298 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

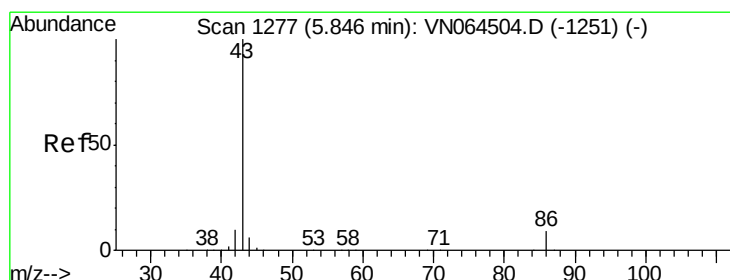
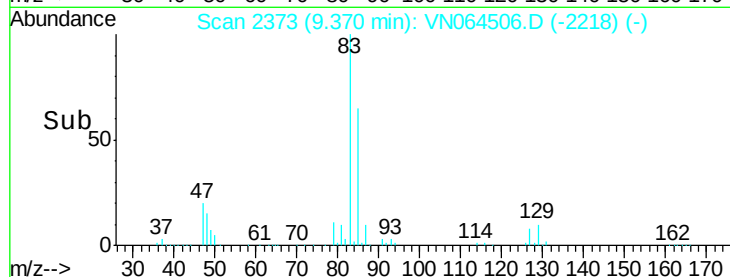
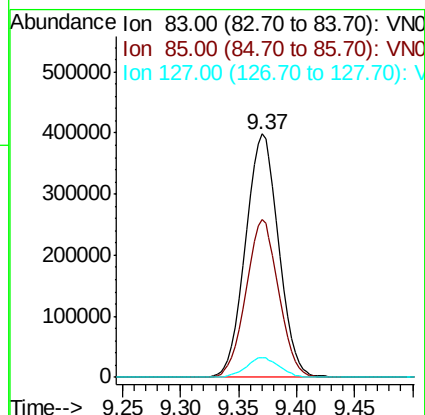
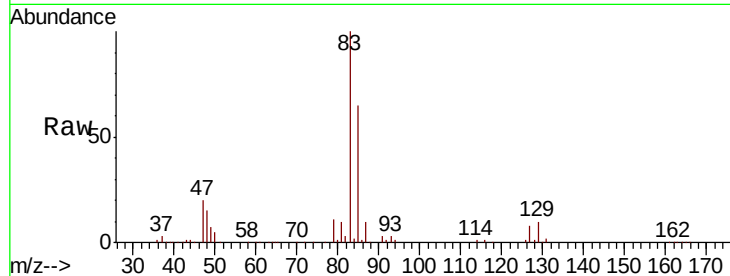
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	793013
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.0	76.4
127	8.2	6.2	9.4

Manual Integrations
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11/10/2020 1:10:33 PM



#42

Vinyl Acetate

Concen: 605.779 ug/l

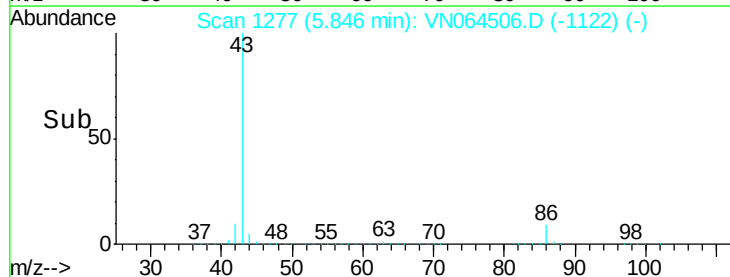
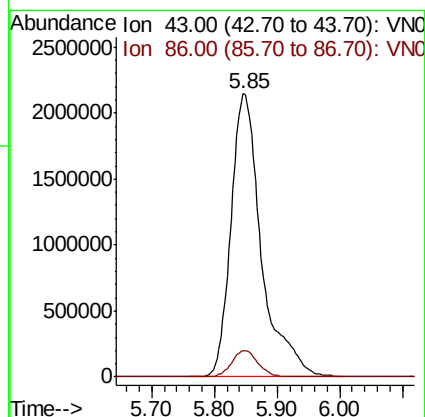
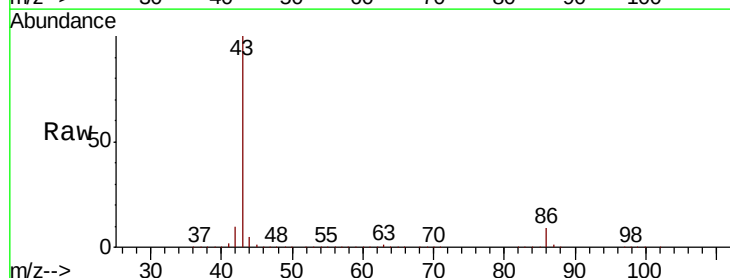
RT: 5.85 min Scan# 1277

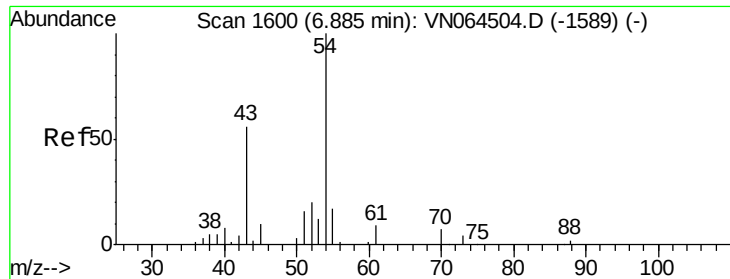
Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Tgt Ion:	43	Resp:	7244031
Ion Ratio	Lower	Upper	
43	100		
86	8.1	6.3	9.5





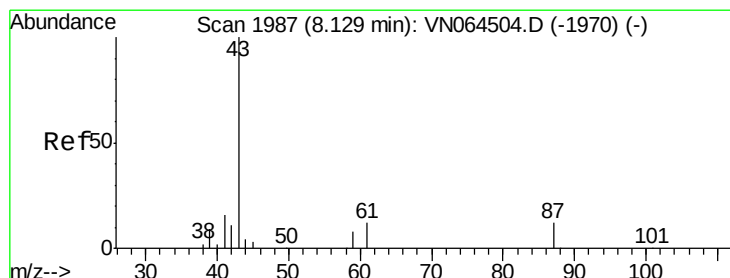
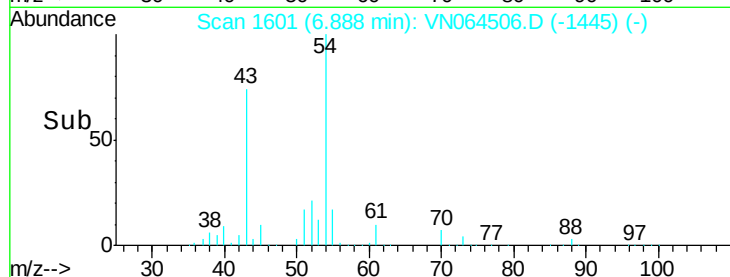
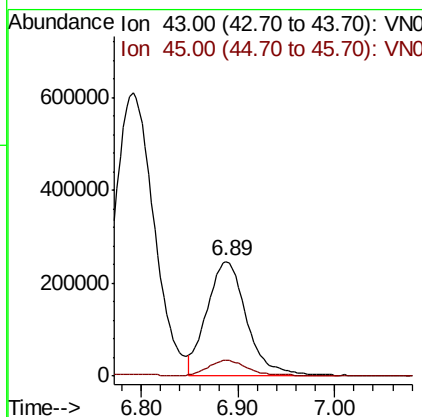
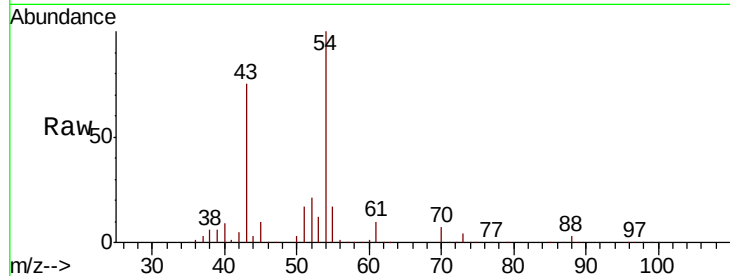
#43
Ethyl Acetate
Concen: 124.819 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 692637
Ion Ratio Lower Upper
43 100
45 14.6 10.9 16.3

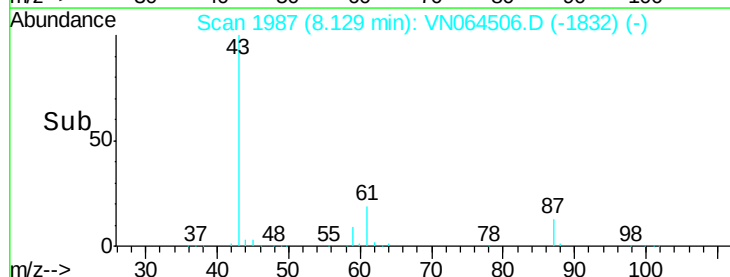
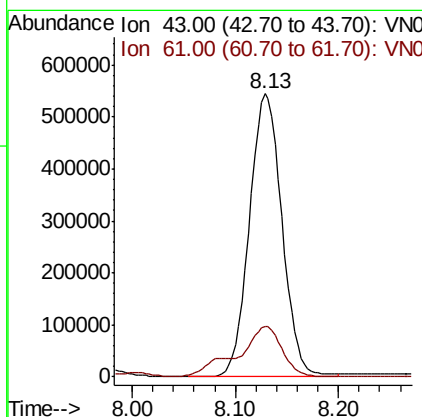
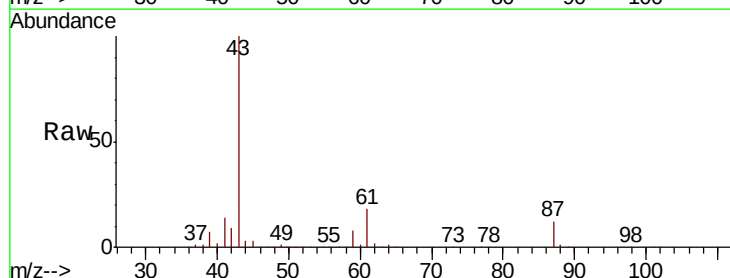
Manual Integrations
APPROVED

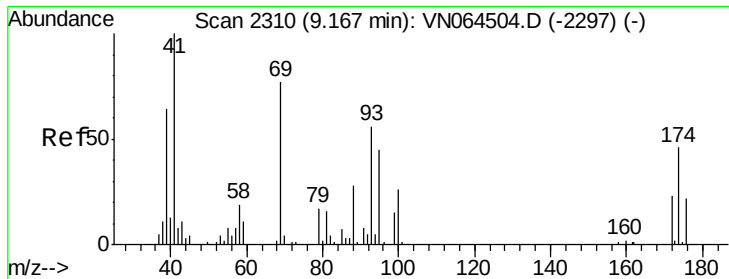
MMDadoda
11/10/2020 1:10:33 PM



#44
Isopropyl Acetate
Concen: 122.688 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion: 43 Resp: 1190587
Ion Ratio Lower Upper
43 100
61 18.0 13.0 19.4





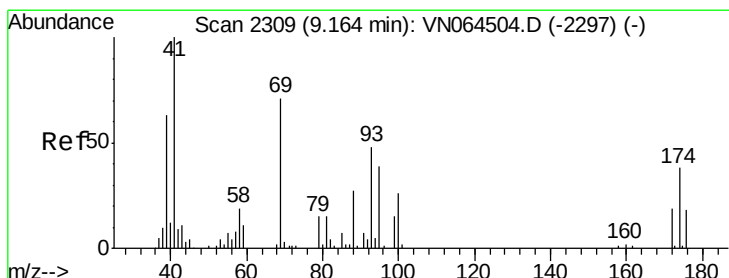
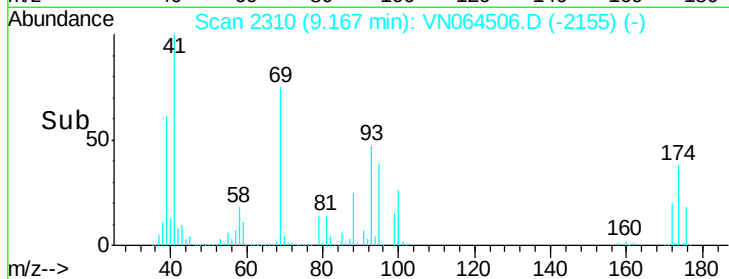
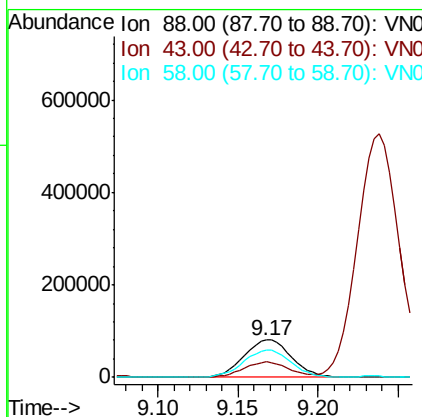
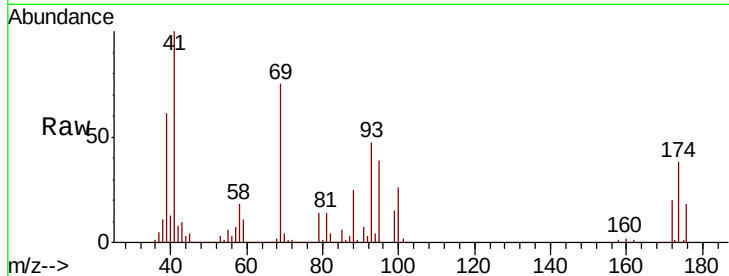
#45
 1,4-Dioxane
 Concen: 2367.000 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	30.6	46.0
58	73.4	57.9	86.9

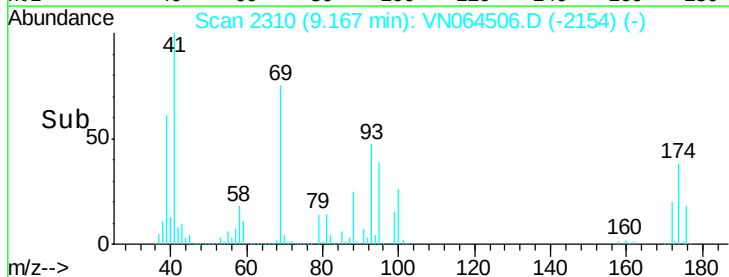
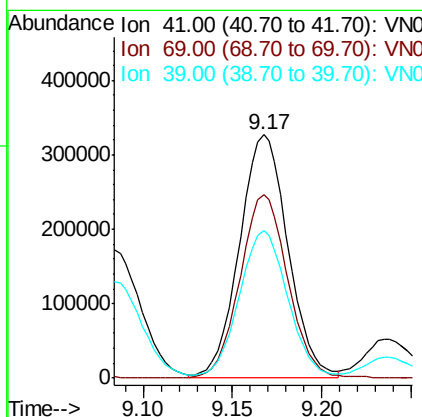
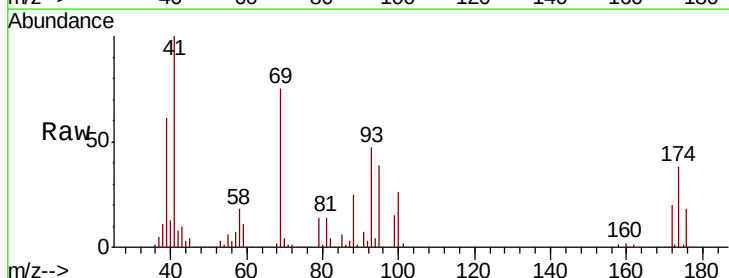
Manual Integrations
 APPROVED

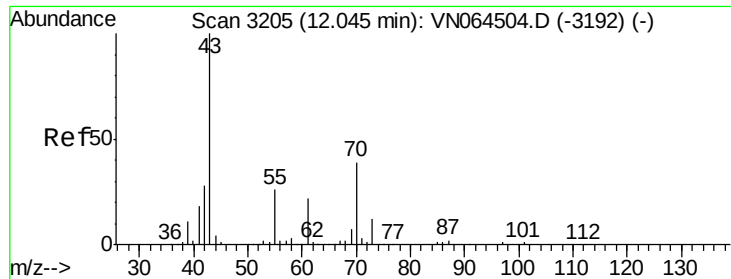
MMDadoda
 11/10/2020 1:10:33 PM



#46
 Methyl methacrylate
 Concen: 129.048 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
41	100		
69	76.3	35.4	106.2
39	60.2	31.6	94.7





#47

n-amvl Acetate

Concen: 135.242 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 111894

Ion Ratio Lower Upper

43 100

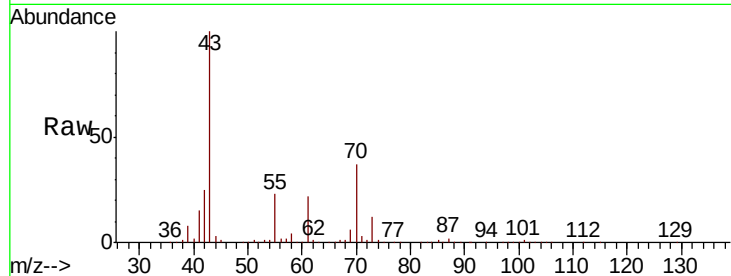
55 23.2 19.2 28.8

Manual Integrations

APPROVED

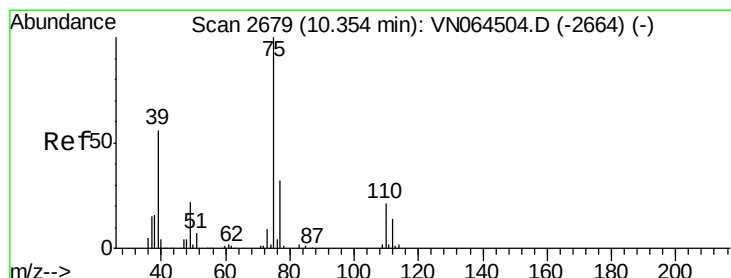
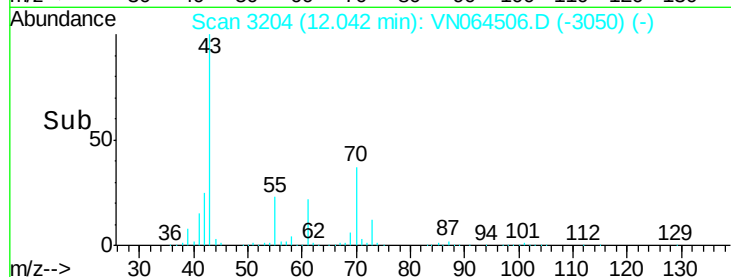
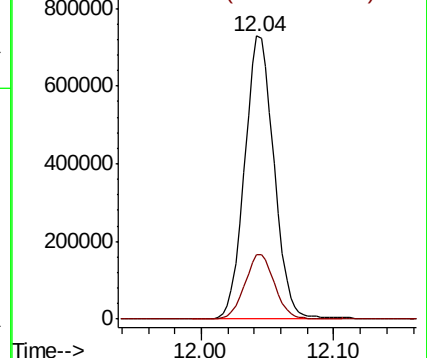
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 115.787 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064506.D

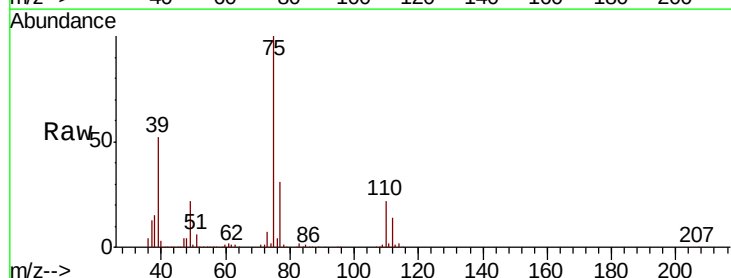
Acq: 9 Nov 2020 12:37

Tgt Ion: 75 Resp: 881355

Ion Ratio Lower Upper

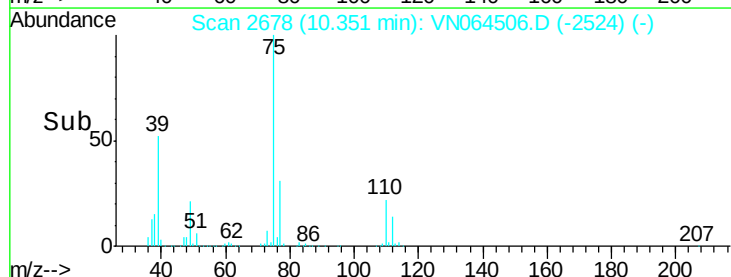
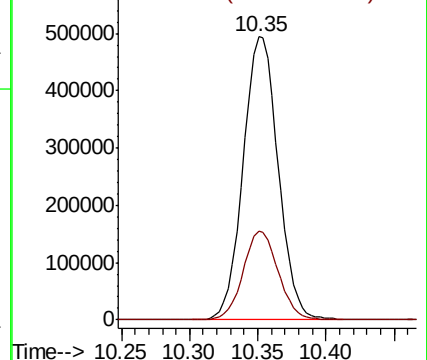
75 100

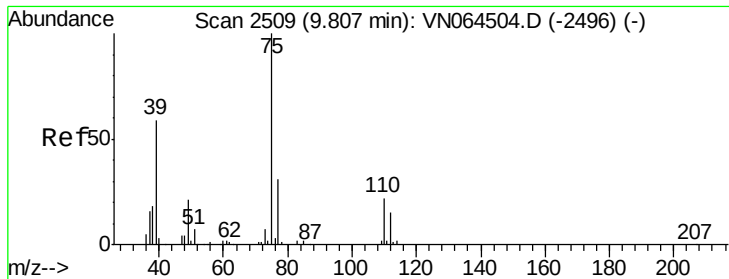
77 31.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





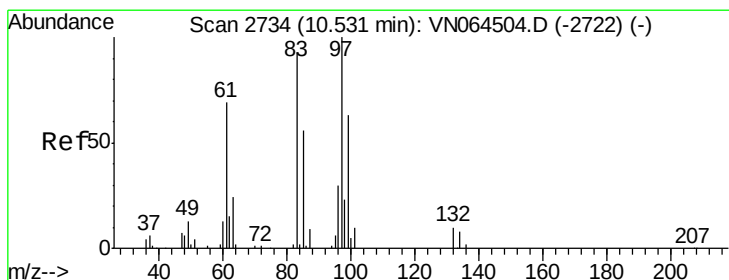
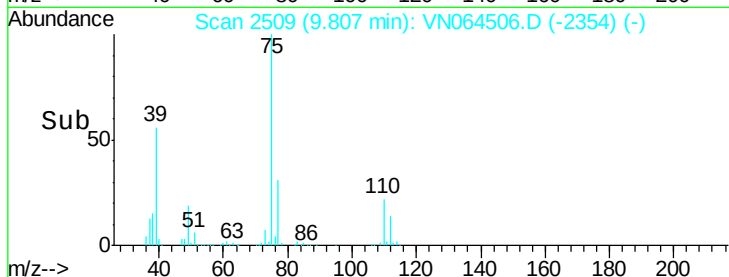
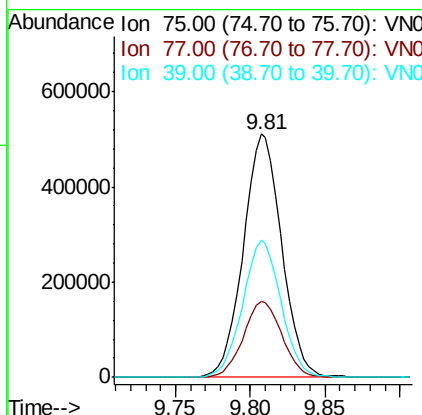
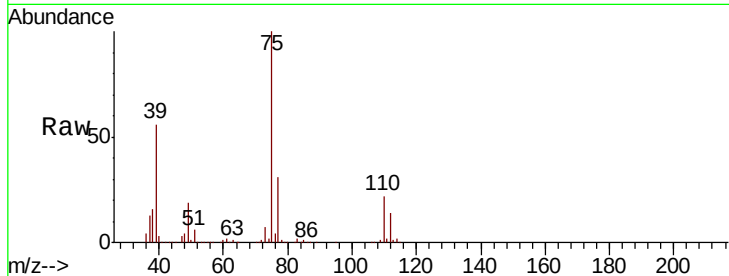
#49
 cis-1,3-Dichloropropene
 Concen: 115.798 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.8	37.2
39	56.3	47.4	71.0

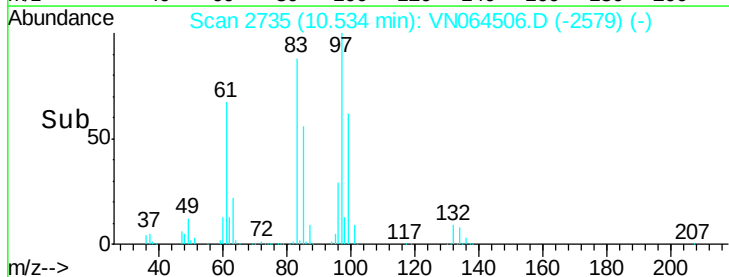
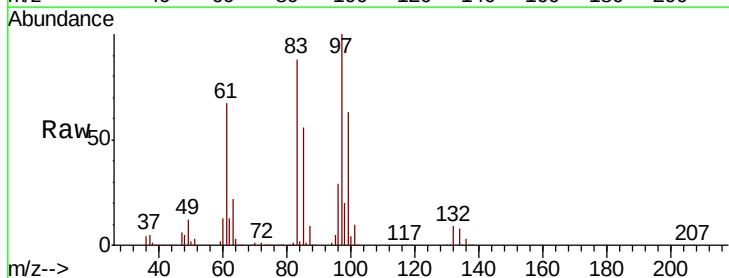
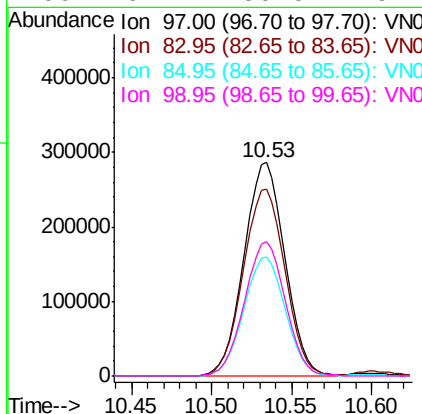
Manual Integrations
 APPROVED

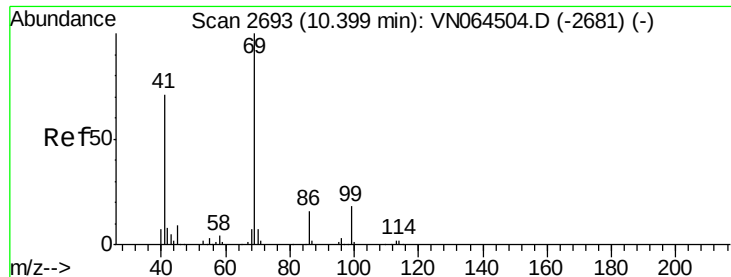
MMDadoda
 11/10/2020 1:10:33 PM



#50
 1,1,2-Trichloroethane
 Concen: 114.285 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	74.2	111.4
85	56.0	44.8	67.2
99	62.7	50.5	75.7





#51

Ethyl methacrylate

Concen: 125.948 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

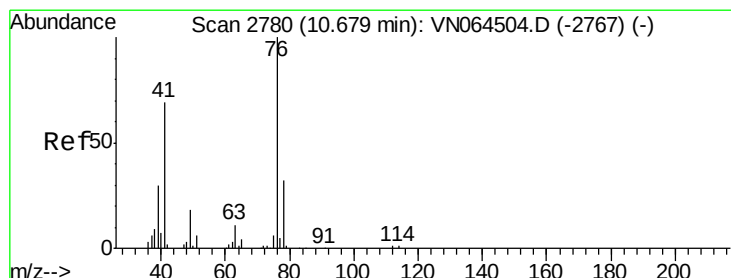
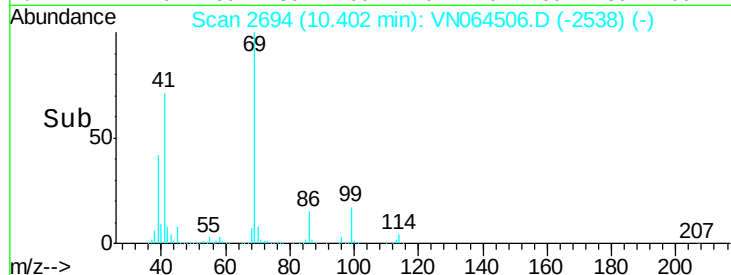
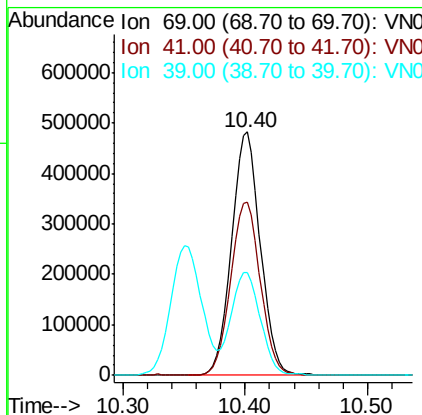
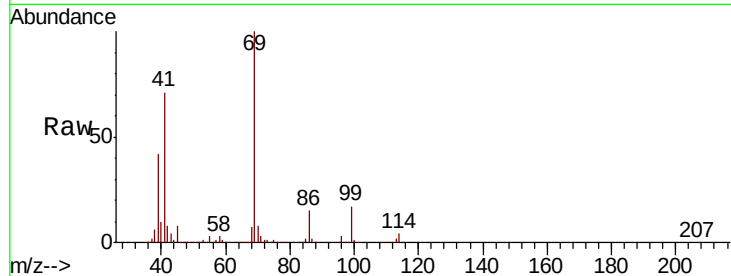
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	791829
Ion	Ratio	Lower	Upper
69	100		
41	70.7	35.4	106.1
39	41.9	24.1	72.2

Manual Integrations
APPROVED

MMDadoda
11/10/2020 1:10:33 PM



#52

1,3-Dichloropropane

Concen: 118.326 ug/l

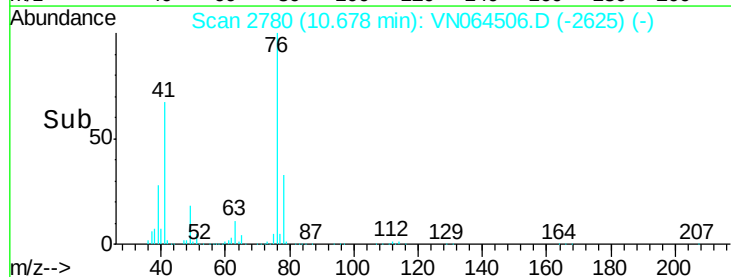
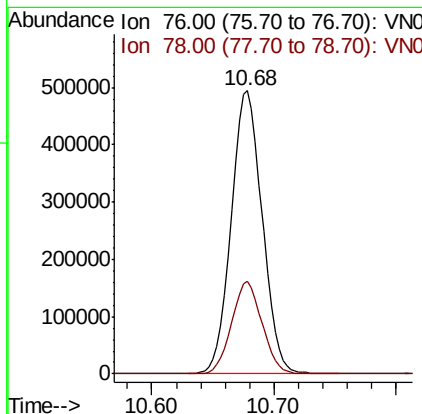
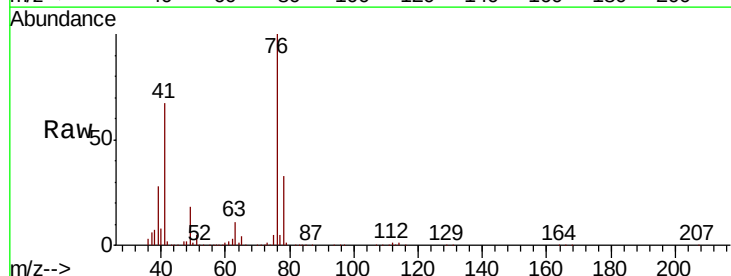
RT: 10.68 min Scan# 2780

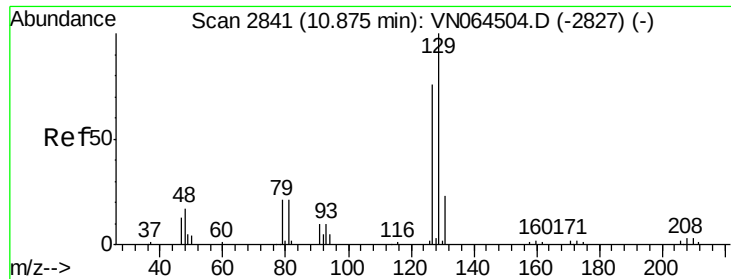
Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Tgt Ion:	76	Resp:	874048
Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	65.2





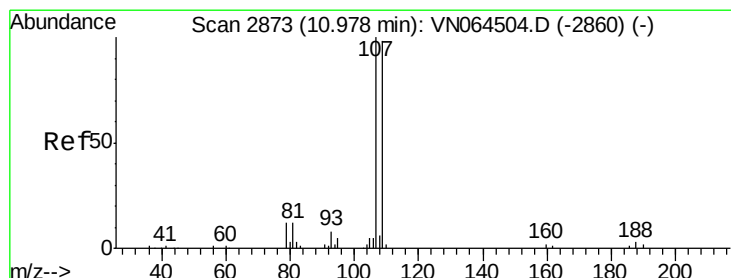
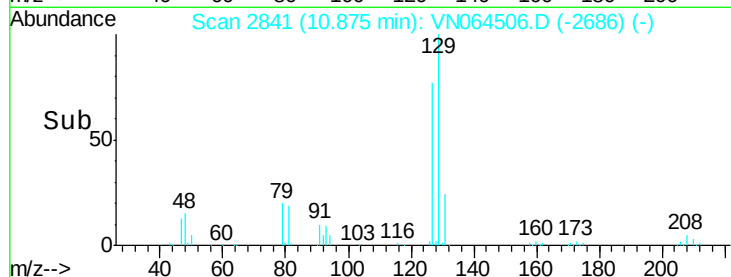
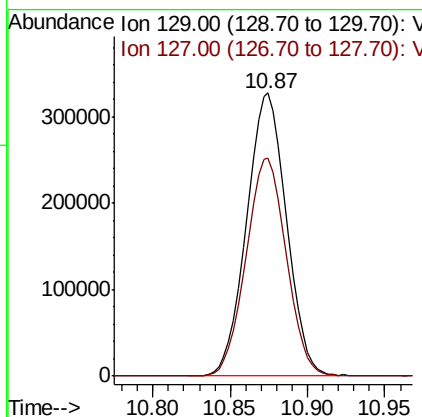
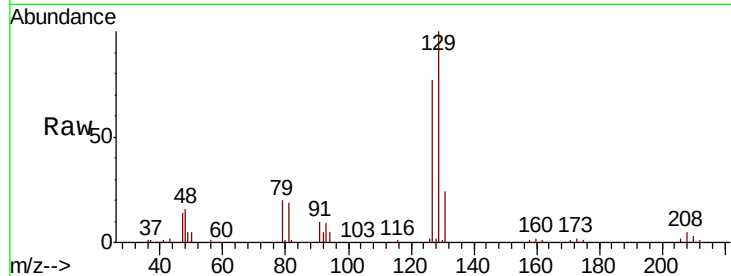
#53
Dibromochloromethane
Concen: 110.003 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.1	117.2

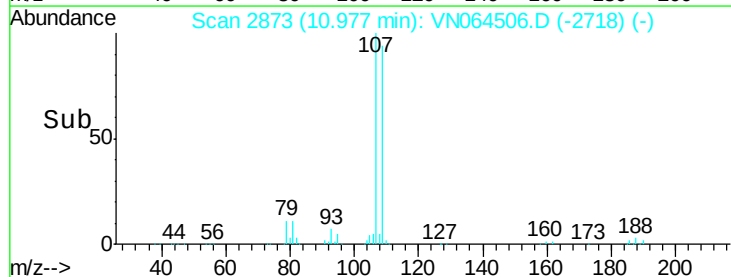
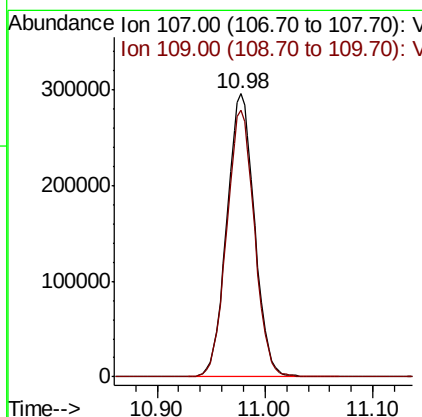
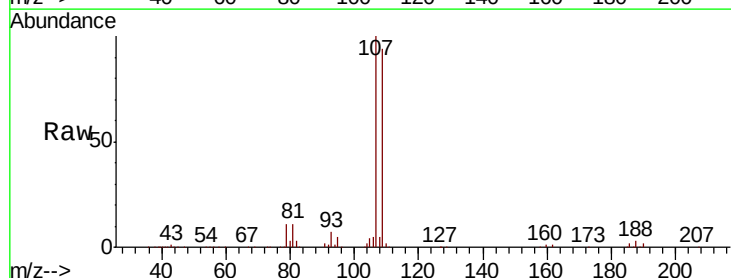
Manual Integrations
APPROVED

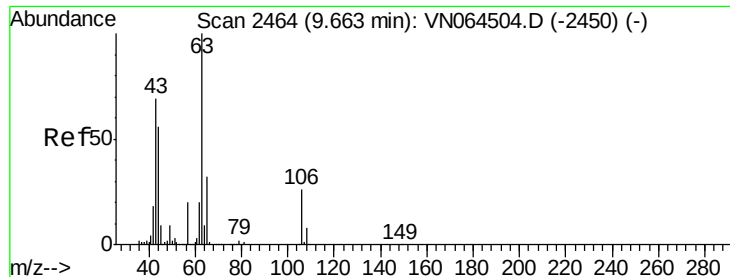
MMDadoda
11/10/2020 1:10:33 PM



#54
1,2-Dibromoethane
Concen: 113.881 ug/l
RT: 10.98 min Scan# 2873
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.7	77.2	115.8





#55

2-Chloroethyl vinyl ether

Concen: 584.837 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 2002912

Ion Ratio Lower Upper

63 100

65 31.7 25.7 38.5

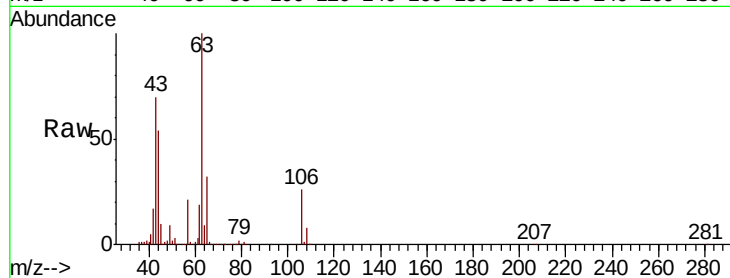
106 25.2 19.9 29.9

Manual Integrations

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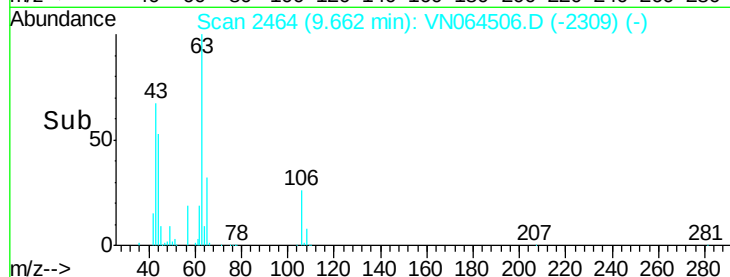


Abundance Ion 63.00 (62.70 to 63.70): VN064506.D (-2309) (-)

Ion 65.00 (64.70 to 65.70): VN064506.D (-2309) (-)

Ion 106.00 (105.70 to 106.70): VN064506.D (-2309) (-)

Time-->

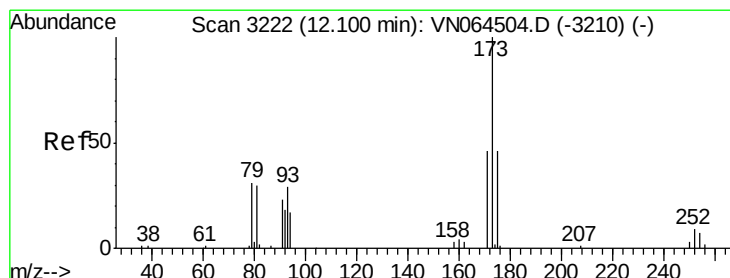


Abundance Ion 63.00 (62.70 to 63.70): VN064506.D (-2309) (-)

Ion 65.00 (64.70 to 65.70): VN064506.D (-2309) (-)

Ion 106.00 (105.70 to 106.70): VN064506.D (-2309) (-)

Time-->



#56

Bromoform

Concen: 105.284 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

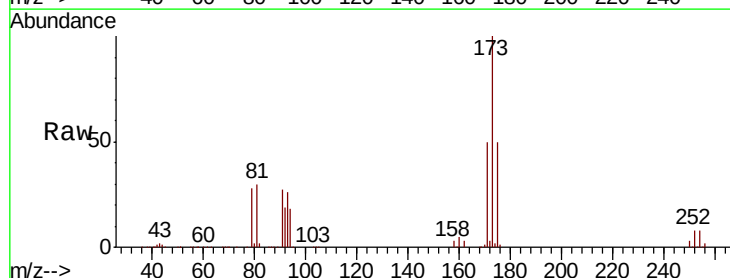
Tgt Ion: 173 Resp: 395513

Ion Ratio Lower Upper

173 100

175 48.5 37.1 55.7

254 7.4 5.4 8.2

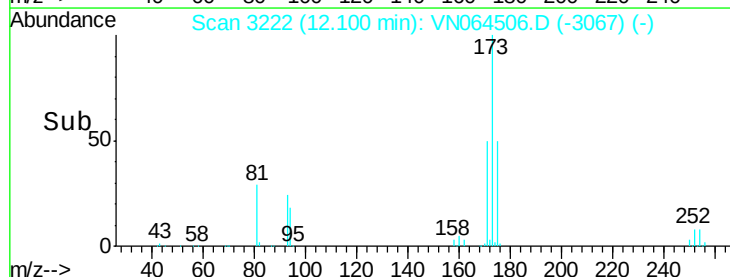


Abundance Ion 173.00 (172.70 to 173.70): VN064506.D (-3067) (-)

Ion 175.00 (174.70 to 175.70): VN064506.D (-3067) (-)

Ion 254.00 (253.70 to 254.70): VN064506.D (-3067) (-)

Time-->

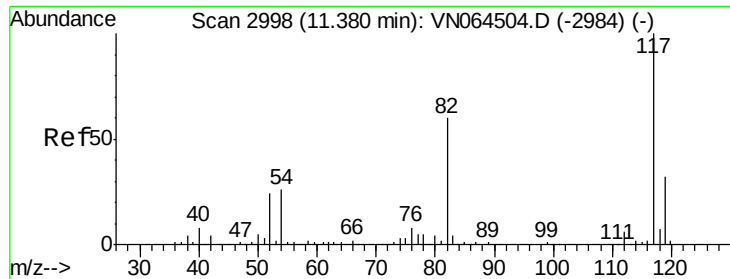


Abundance Ion 173.00 (172.70 to 173.70): VN064506.D (-3067) (-)

Ion 175.00 (174.70 to 175.70): VN064506.D (-3067) (-)

Ion 254.00 (253.70 to 254.70): VN064506.D (-3067) (-)

Time-->



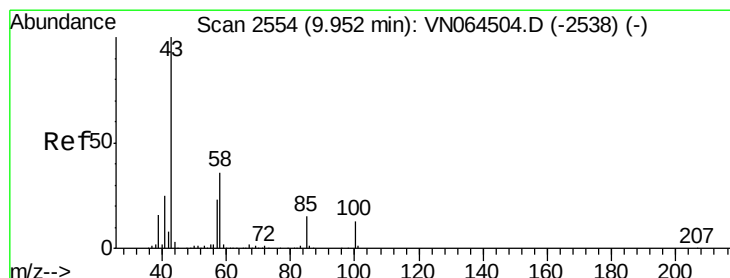
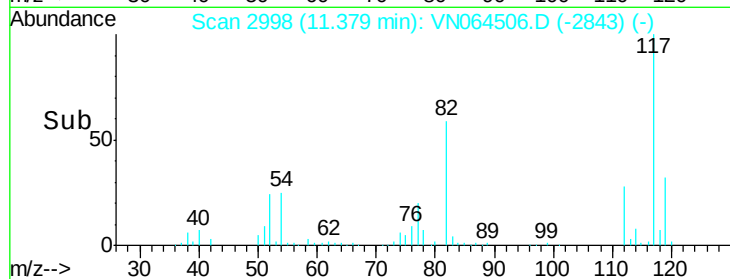
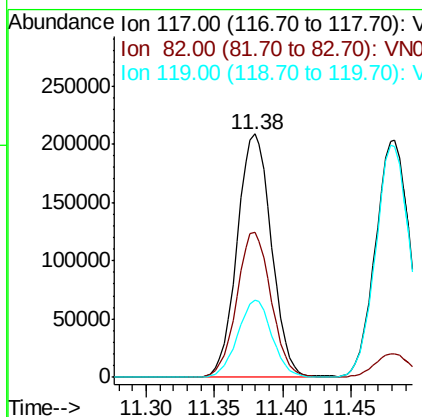
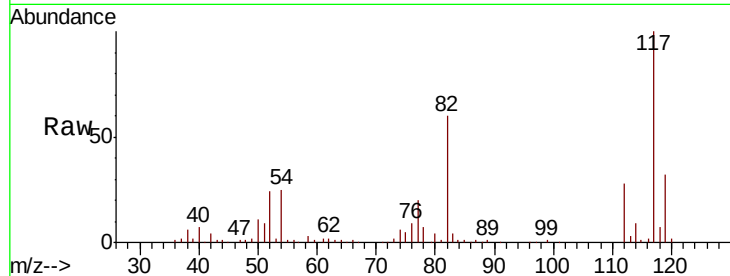
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.8	71.8
119	31.5	25.7	38.5

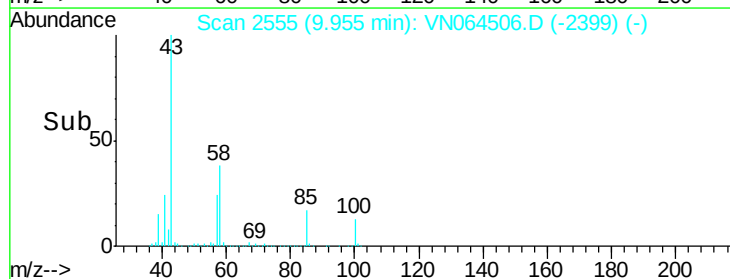
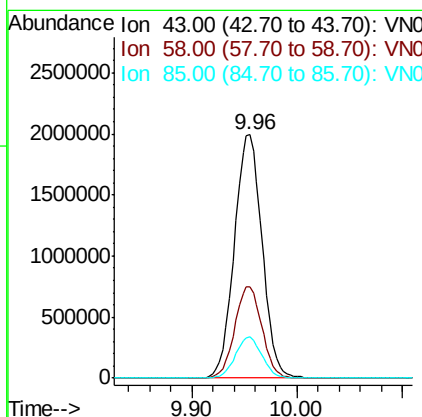
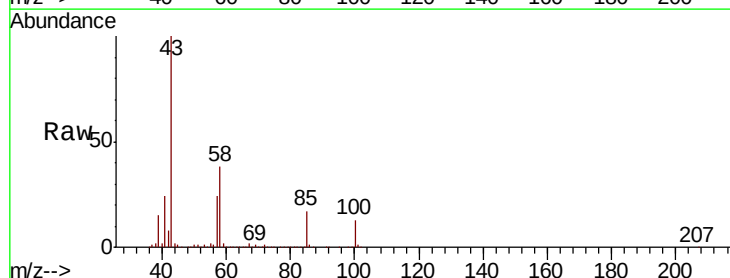
Manual Integrations
APPROVED

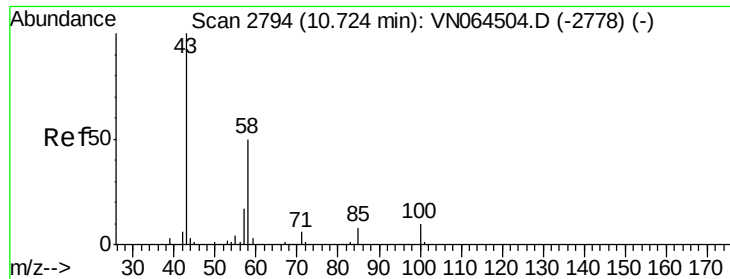
MMDadoda
11/10/2020 1:10:33 PM



#58
4-Methyl-2-Pentanone
Concen: 610.506 ug/l
RT: 9.96 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.1	28.8	43.2
85	16.3	12.3	18.5





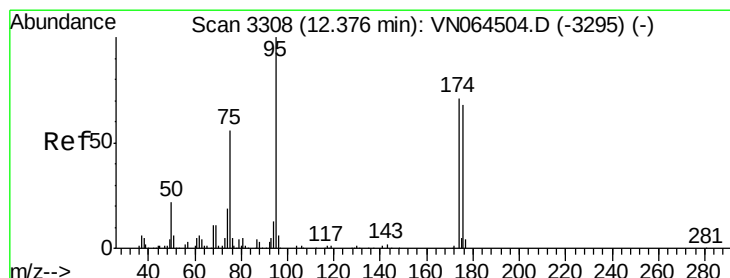
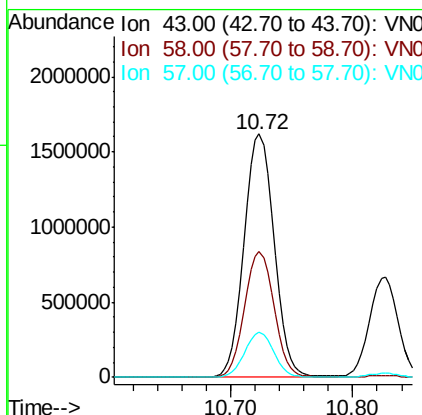
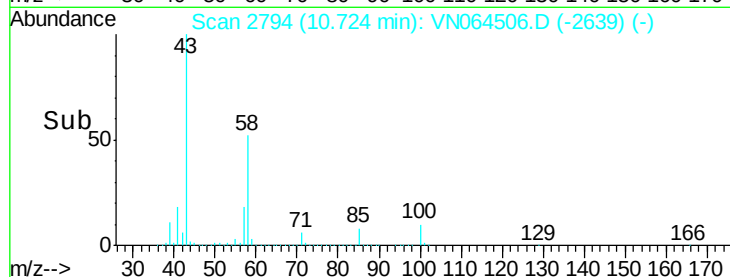
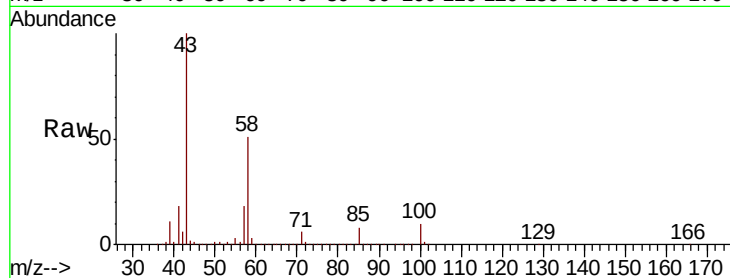
#59
2-Hexanone
Concen: 625.215 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2748279
Ion Ratio Lower Upper
43 100
58 50.6 38.2 57.4
57 17.9 13.8 20.8

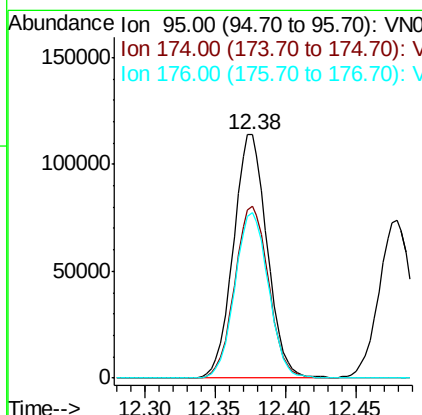
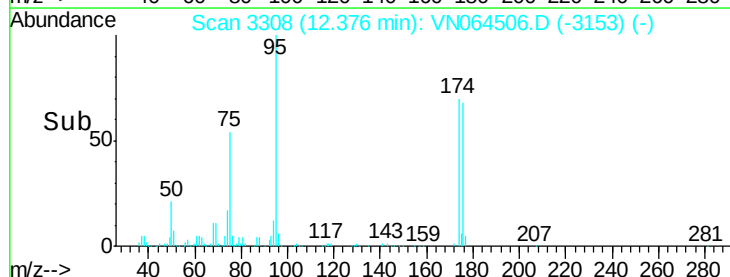
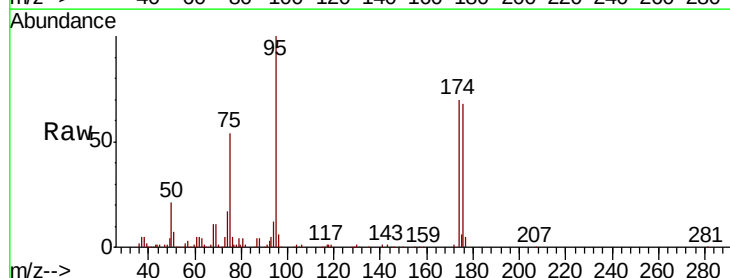
Manual Integrations
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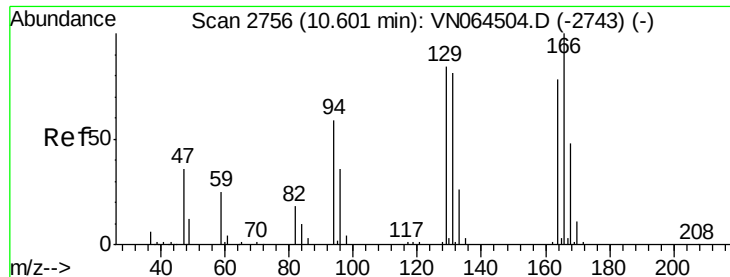
MMDadoda
11/10/2020 1:10:33 PM



#60
4-Bromofluorobenzene
Concen: 30.727 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion: 95 Resp: 191061
Ion Ratio Lower Upper
95 100
174 70.9 56.4 84.6
176 67.6 53.3 79.9





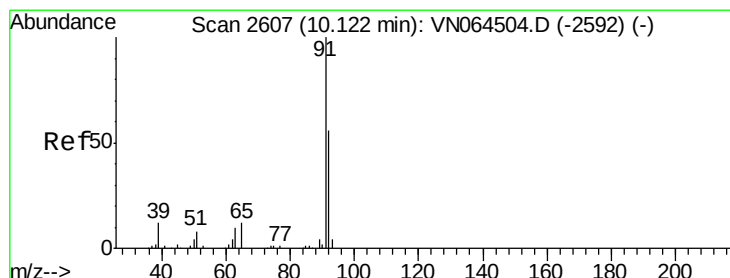
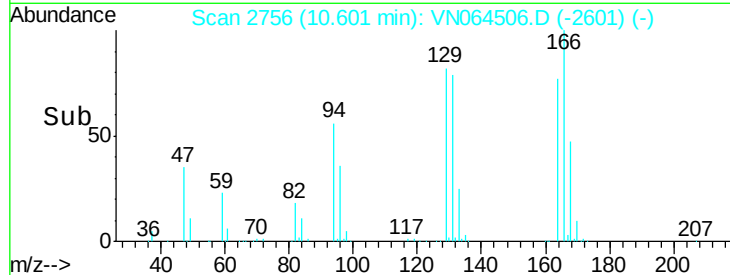
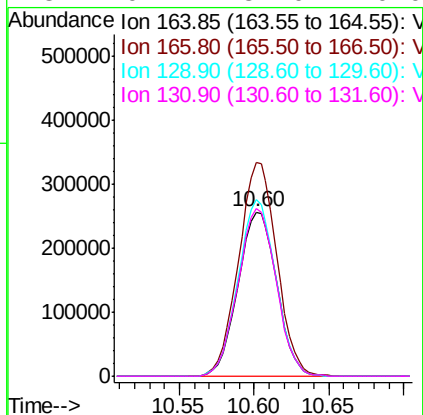
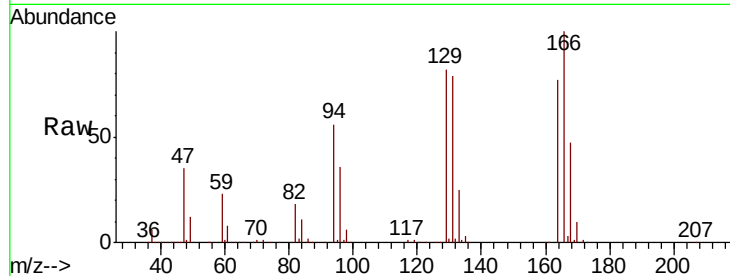
#61
Tetrachloroethene
Concen: 94.880 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.1	103.2	154.8
129	107.2	86.4	129.6
131	102.1	84.0	126.0

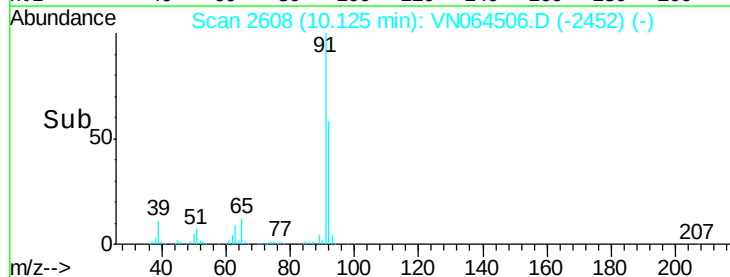
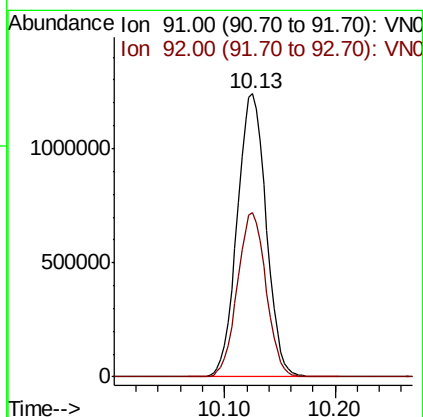
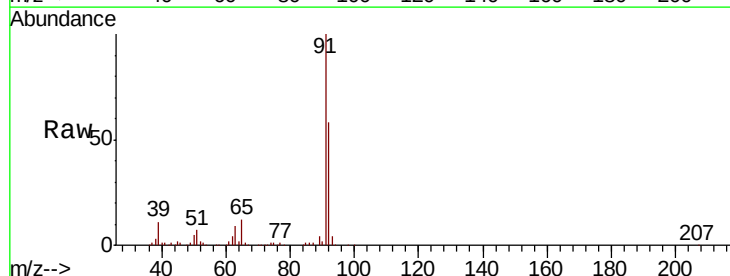
Manual Integrations
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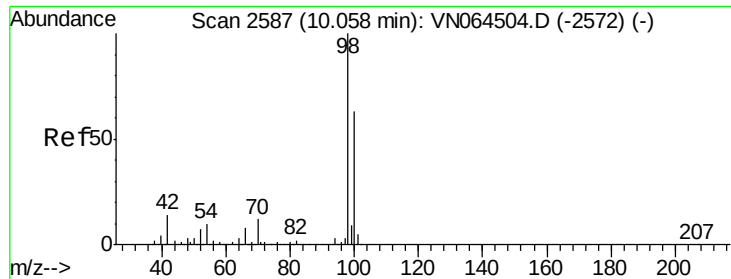
MMDadoda
11/10/2020 1:10:33 PM



#62
Toluene
Concen: 109.385 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. 0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.8	45.4	68.2





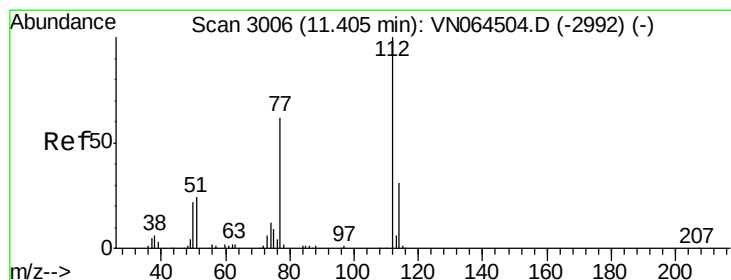
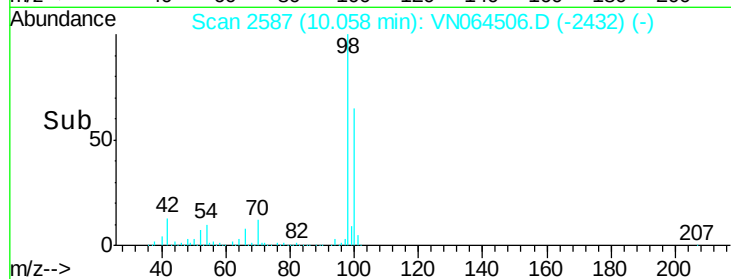
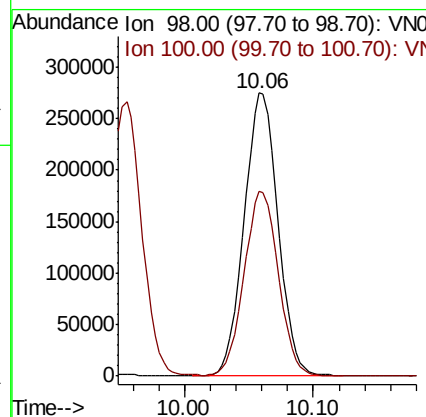
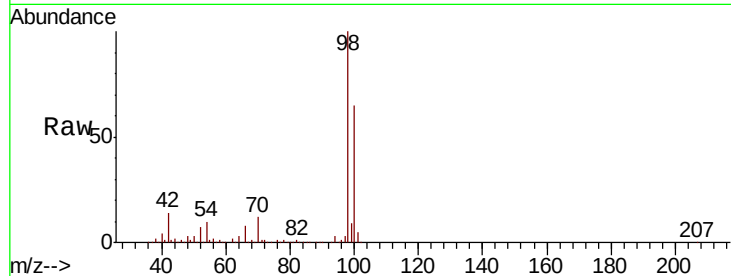
#63
Toluene-d8
Concen: 30.406 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 98 Resp: 503447
Ion Ratio Lower Upper
98 100
100 65.7 49.4 74.2

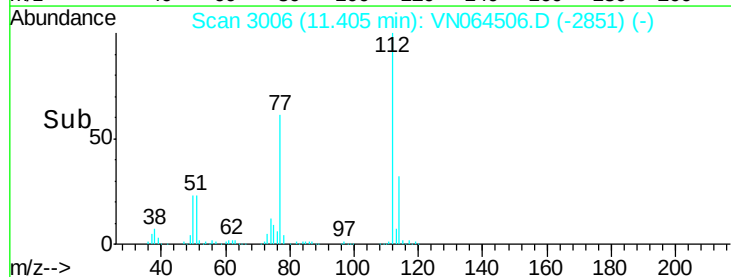
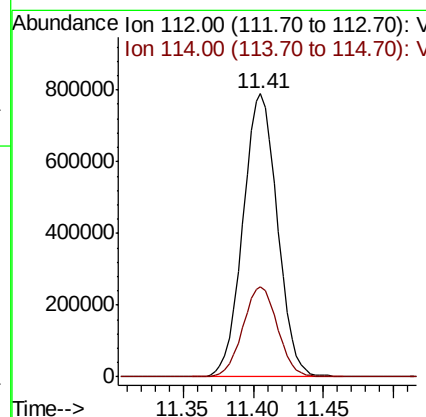
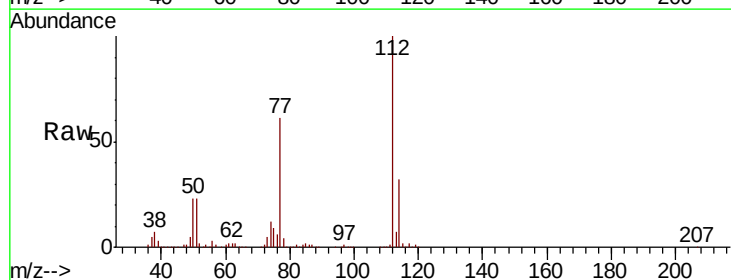
Manual Integrations
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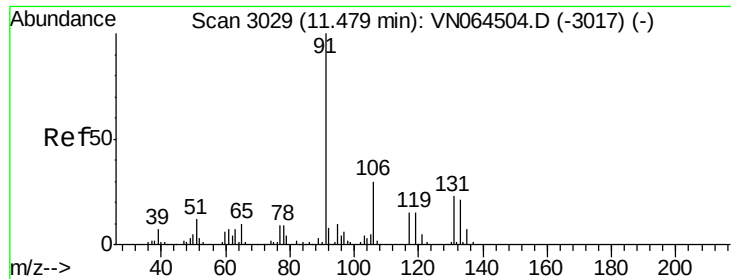
MMDadoda
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#64
Chlorobenzene
Concen: 105.870 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion: 112 Resp: 1351355
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.6





#65

1,1,1,2-Tetrachloroethane

Concen: 107.470 ug/l

RT: 11.48 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

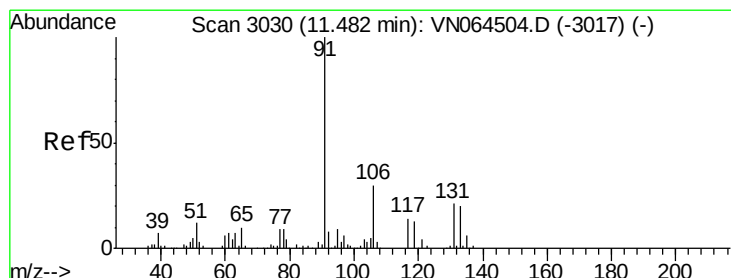
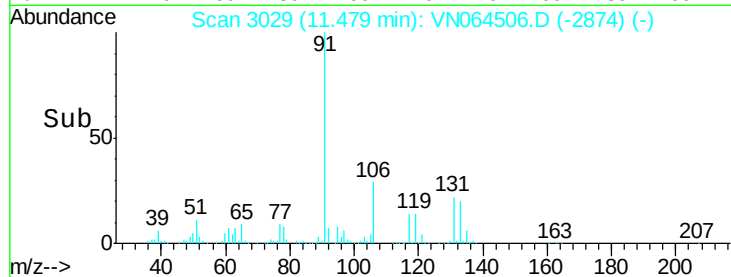
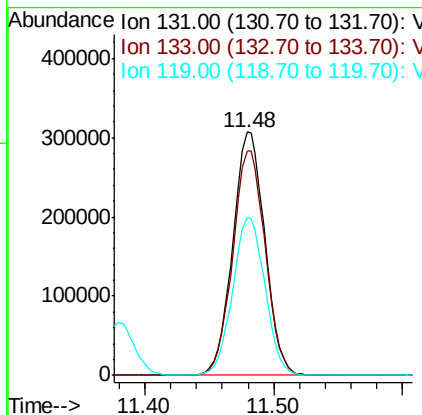
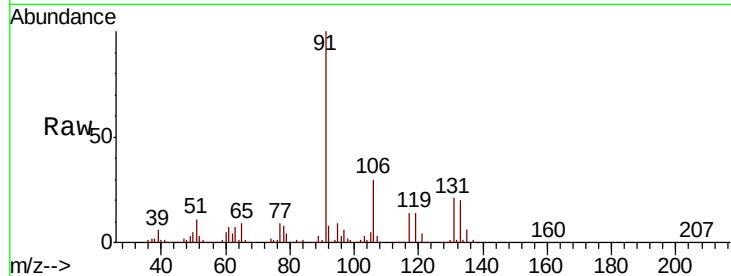
ClientSampleId :

VSTDIC100

Tot Ion:	131	Resp:	531802
Ion Ratio	Lower	Upper	
131	100		
133	93.3	0.0	191.2
119	65.1	0.0	131.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 113.093 ug/l

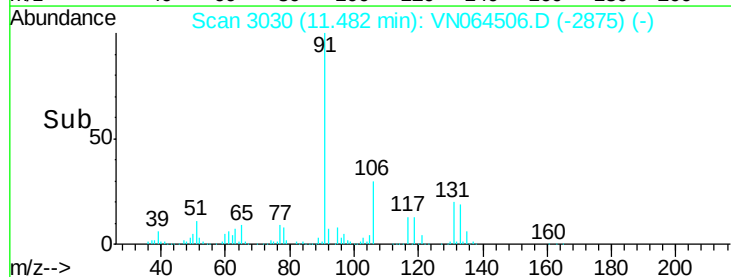
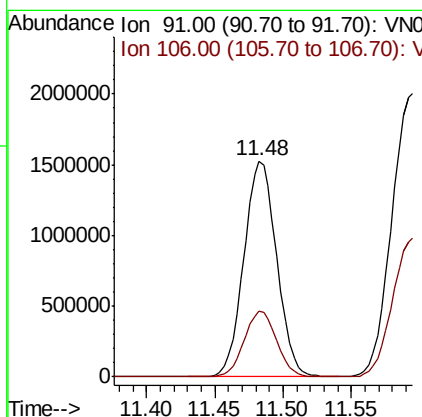
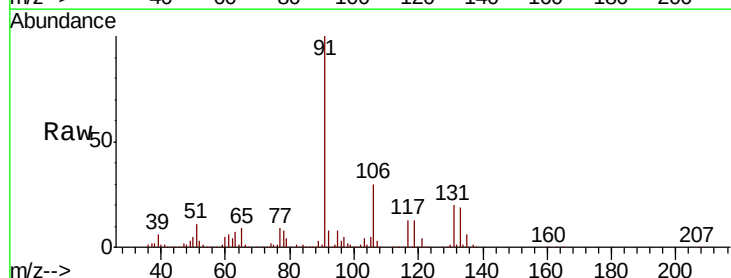
RT: 11.48 min Scan# 3030

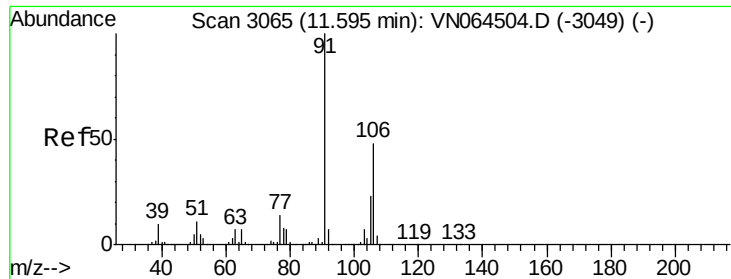
Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Tgt Ion:	91	Resp:	2544171
Ion Ratio	Lower	Upper	
91	100		
106	30.3	23.9	35.9





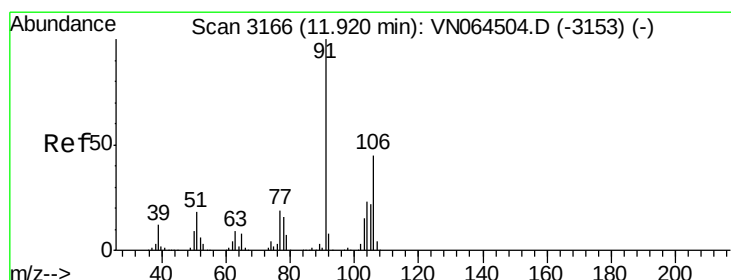
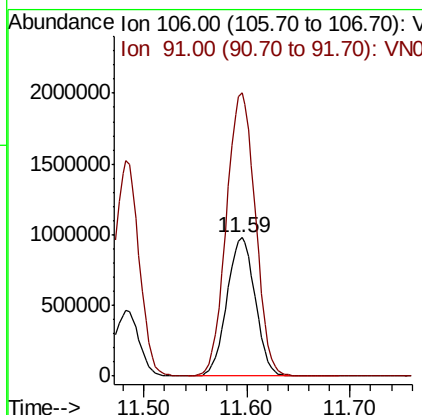
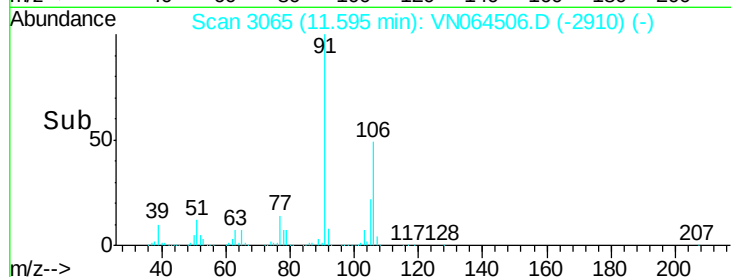
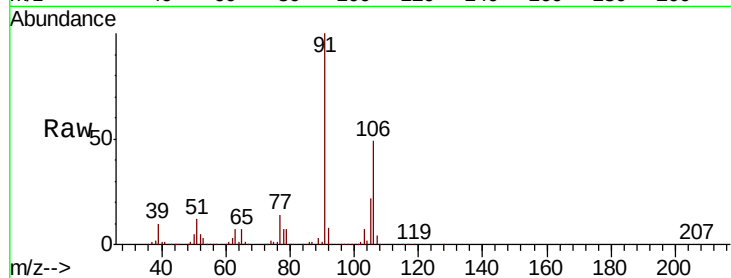
#67
m/p-Xylenes
Concen: 221.015 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1871545
Ion Ratio Lower Upper
106 100
91 209.2 168.8 253.2

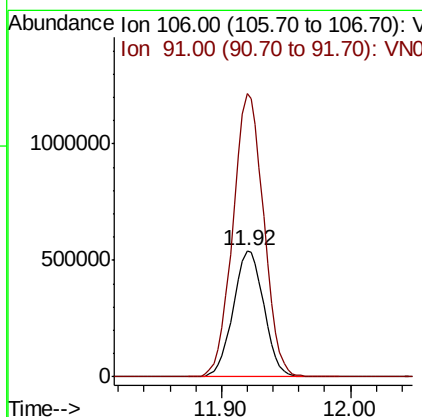
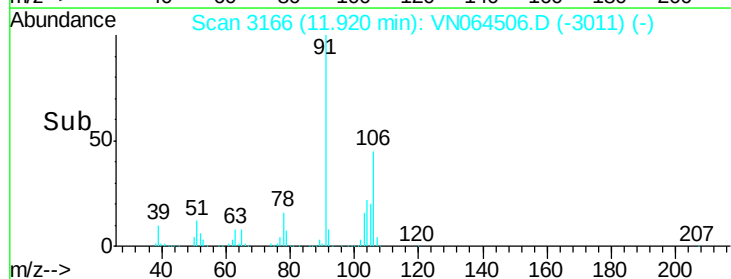
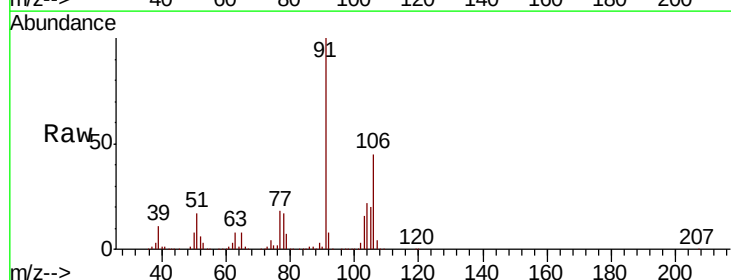
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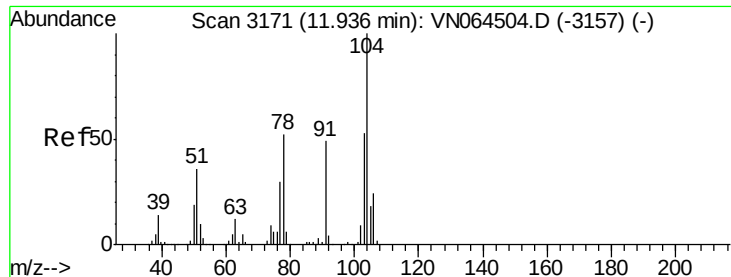
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#68
o-Xylene
Concen: 110.529 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion:106 Resp: 897527
Ion Ratio Lower Upper
106 100
91 224.3 109.7 329.2





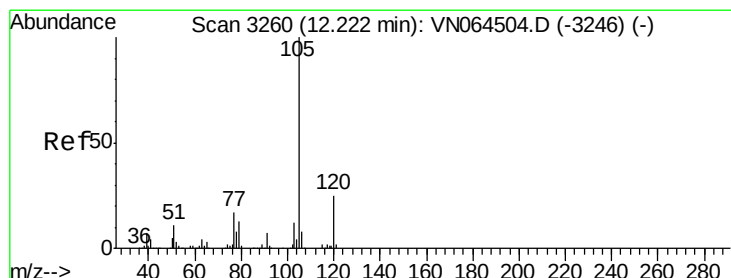
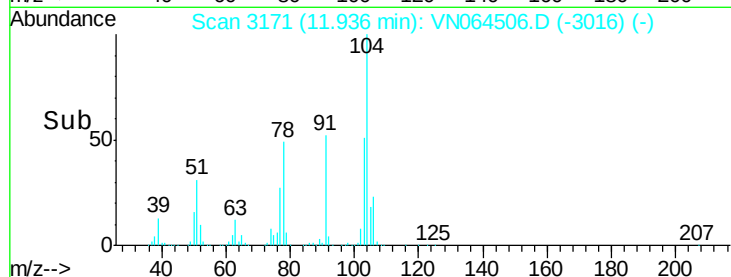
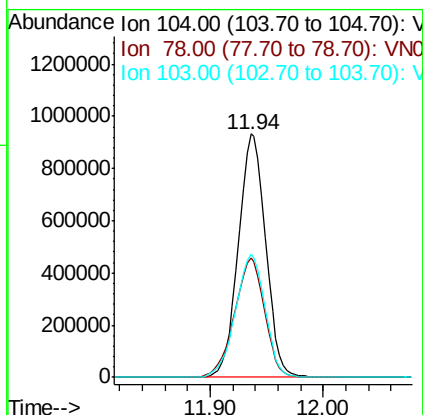
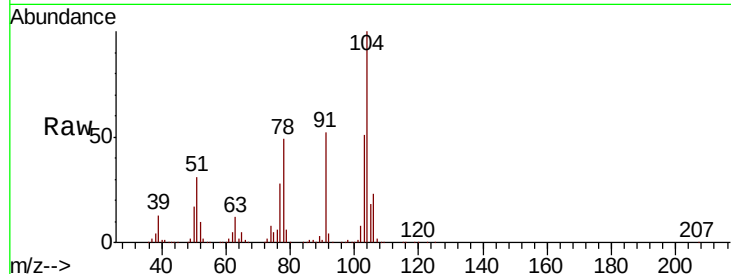
#69
Stvrene
Concen: 115.157 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:104 Resp: 1569635
Ion Ratio Lower Upper
104 100
78 54.0 44.4 66.6
103 55.0 44.6 67.0

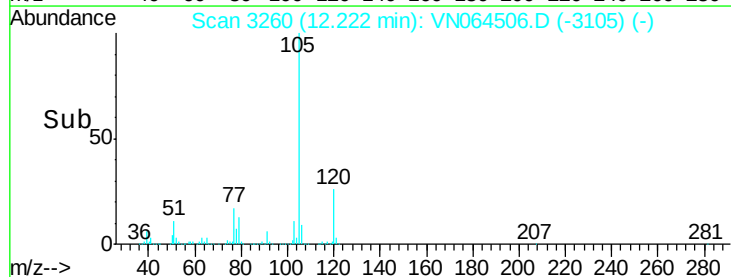
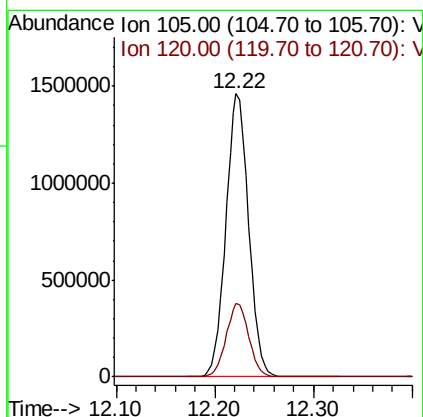
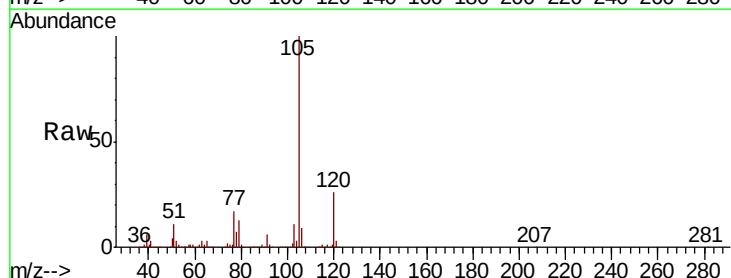
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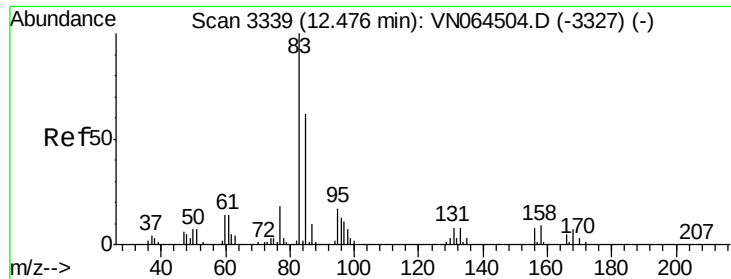
MMDadoda
11/10/2020 1:10:33 PM



#70
Isopropylbenzene
Concen: 111.979 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion:105 Resp: 2357175
Ion Ratio Lower Upper
105 100
120 26.0 17.9 33.3





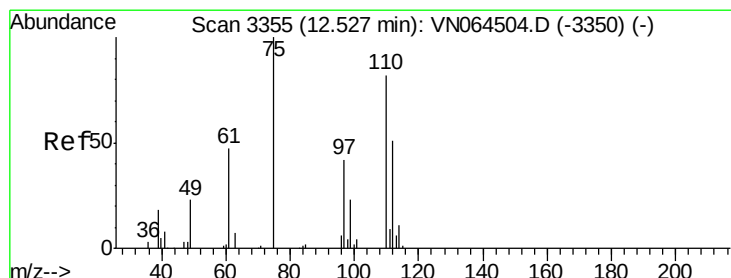
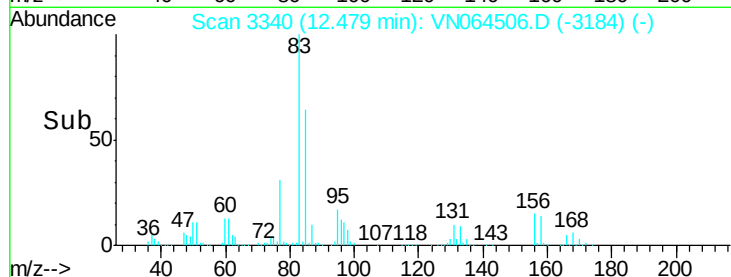
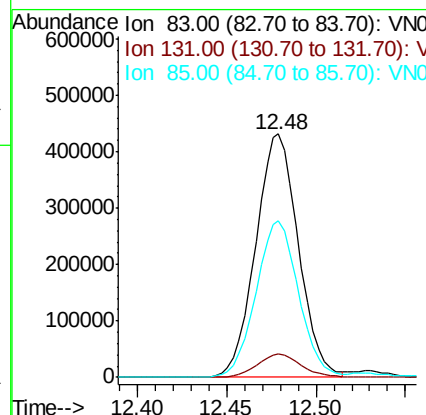
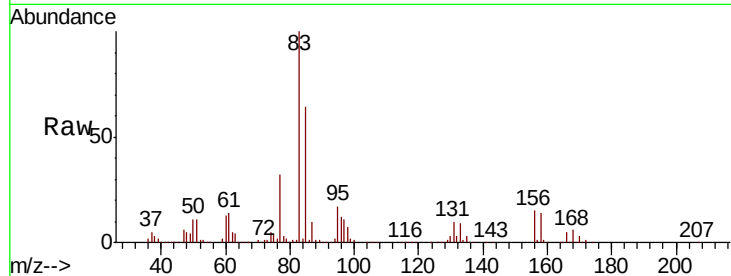
#71
 1,1,2,2-Tetrachloroethane
 Concen: 120.147 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.6	13.8
85	64.1	31.4	94.0

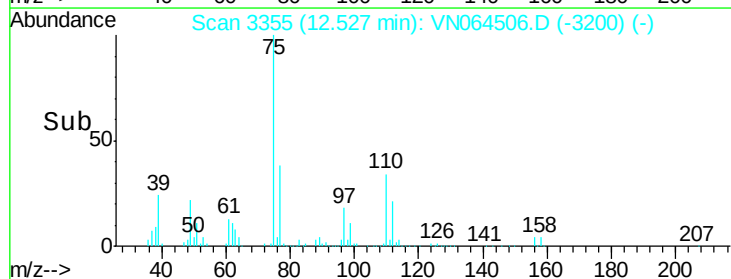
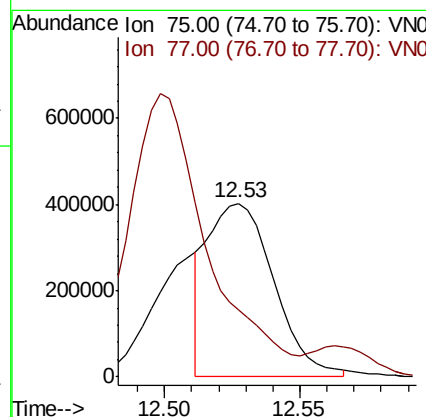
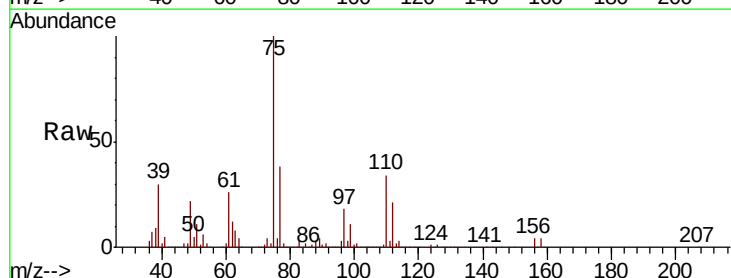
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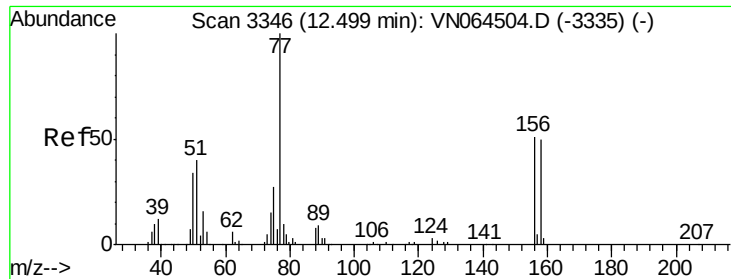
MMDadoda
 11/10/2020 1:10:33 PM



#72
 1,2,3-Trichloropropane
 Concen: 110.980 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	193.9	0.0	379.4





#73

Bromobenzene

Concen: 104.943 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

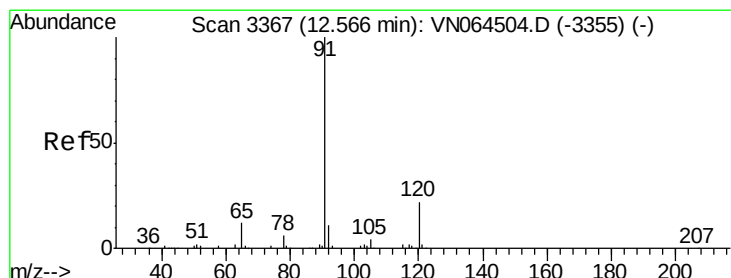
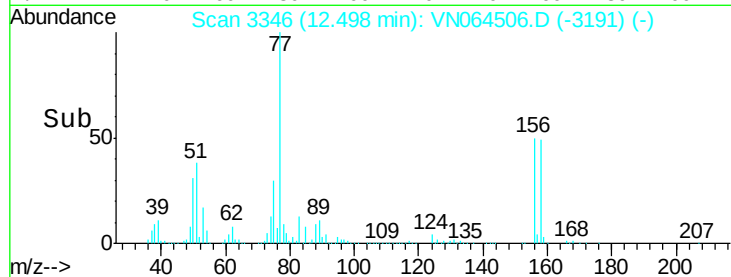
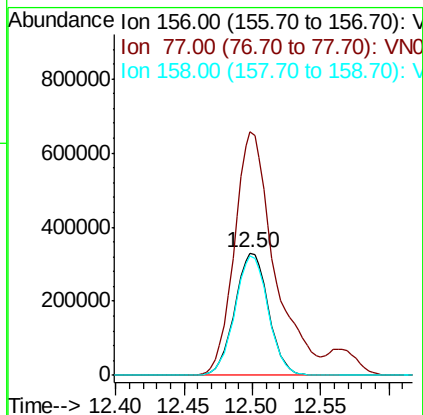
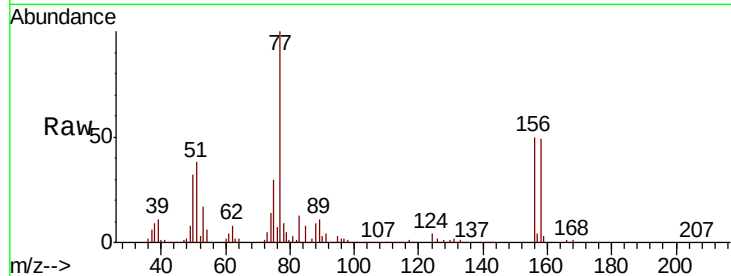
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	565805
Ion Ratio	Lower	Upper	
156	100		
77	235.5	0.0	480.2
158	96.6	0.0	194.0

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#74

n-propylbenzene

Concen: 118.467 ug/l

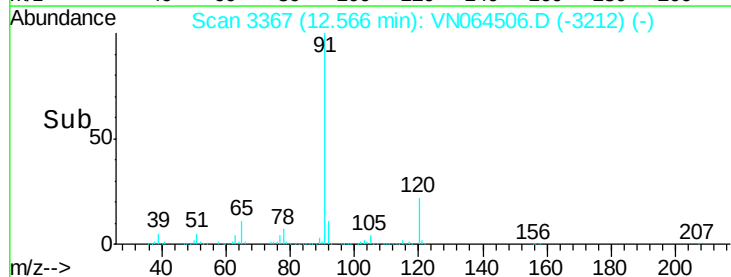
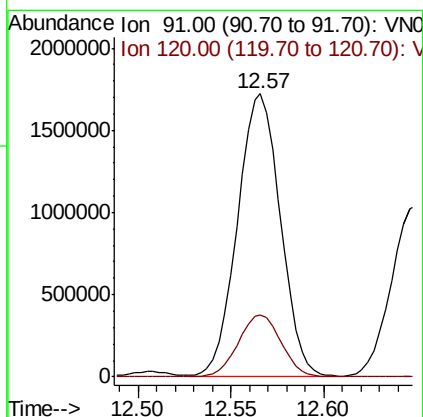
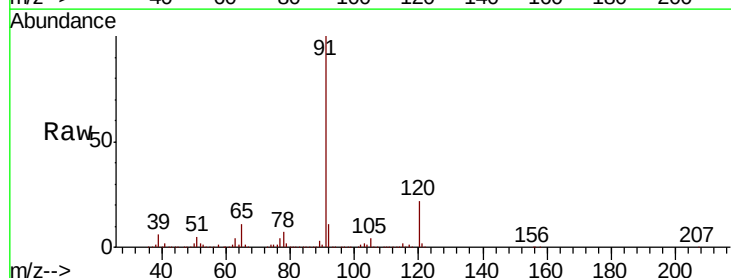
RT: 12.57 min Scan# 3367

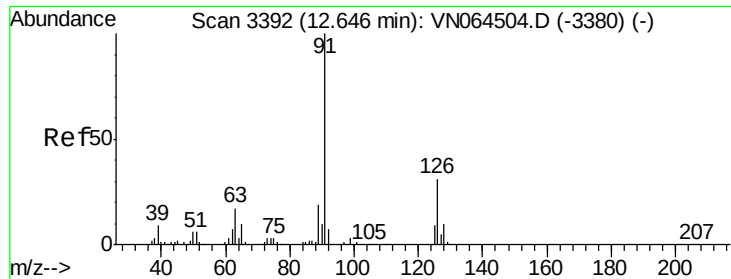
Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Tgt Ion:	91	Resp:	2769554
Ion Ratio	Lower	Upper	
91	100		
120	21.9	0.0	42.8





#75

2-Chlorotoluene

Concen: 114.821 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1697889

Ion Ratio Lower Upper

91 100

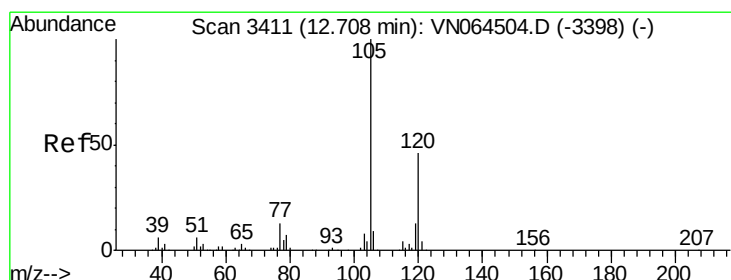
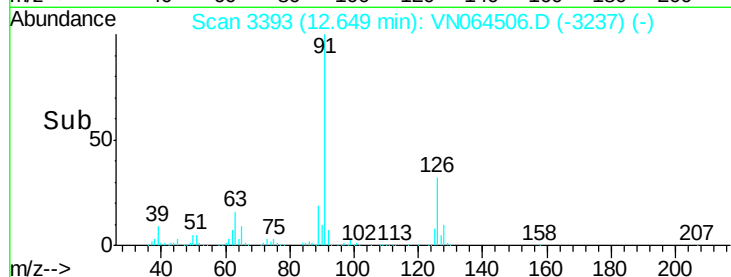
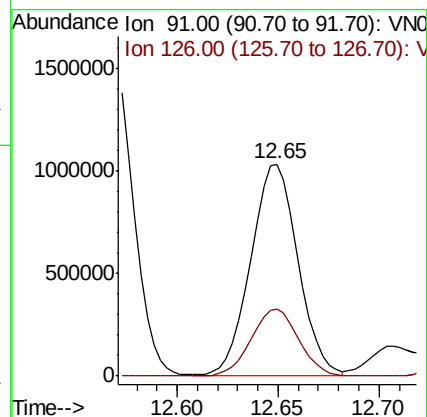
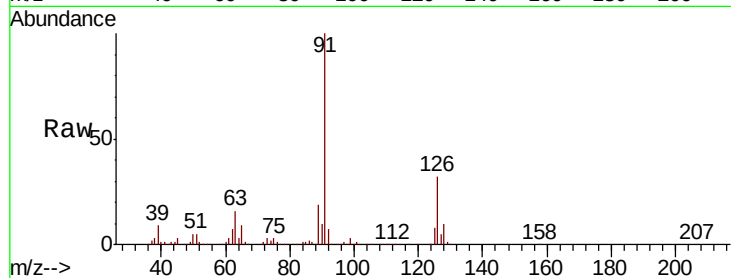
126 31.9 0.0 61.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 113.602 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064506.D

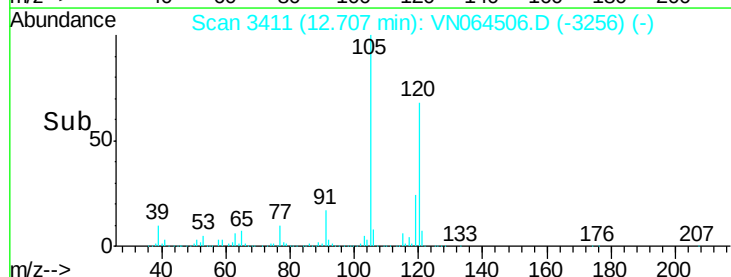
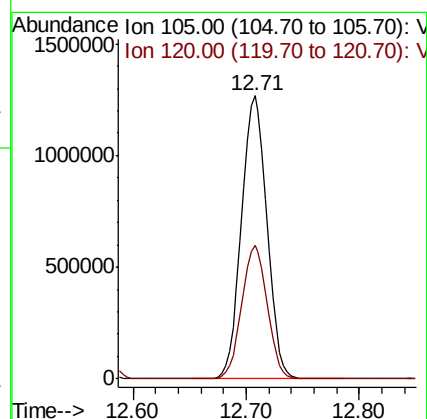
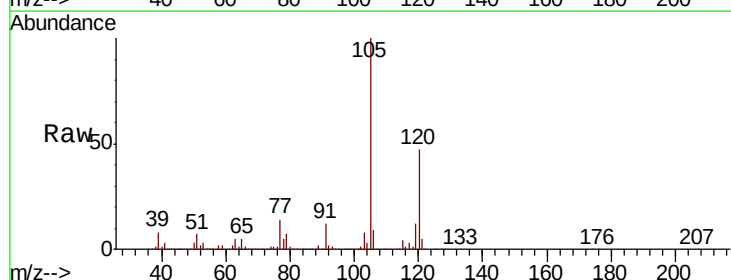
Acq: 9 Nov 2020 12:37

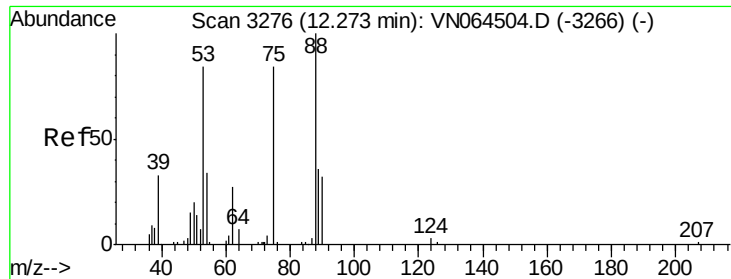
Tgt Ion: 105 Resp: 1987602

Ion Ratio Lower Upper

105 100

120 47.2 0.0 90.4





#77

t-1,4-Dichloro-2-butene

Concen: 126.583 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

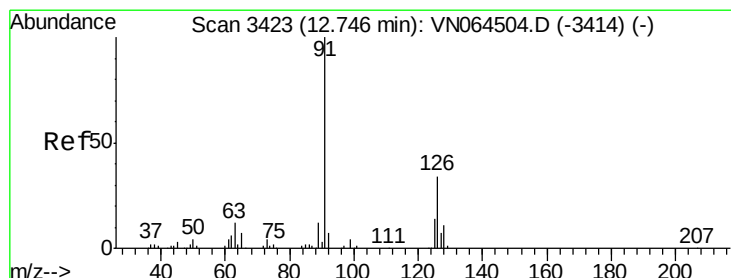
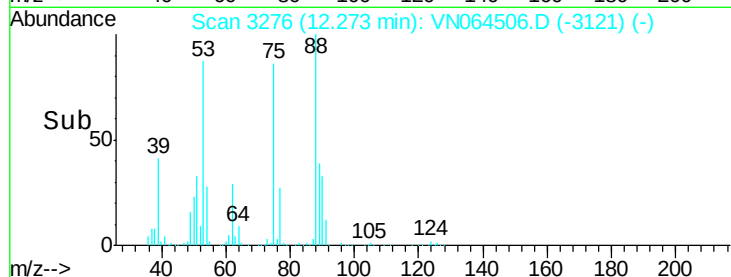
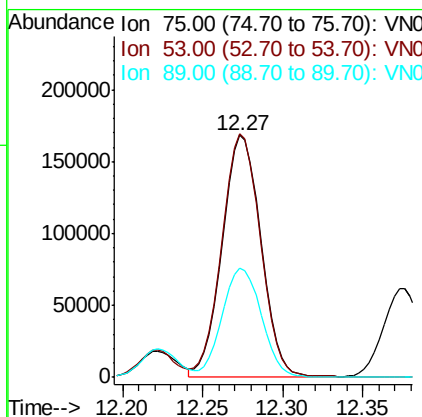
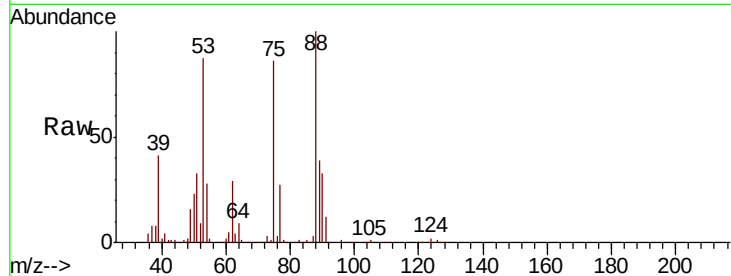
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	278797
Ion	Ratio	Lower	Upper
75	100		
53	100.7	50.3	150.9
89	44.9	23.3	69.8

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#78

4-Chlorotoluene

Concen: 117.870 ug/l

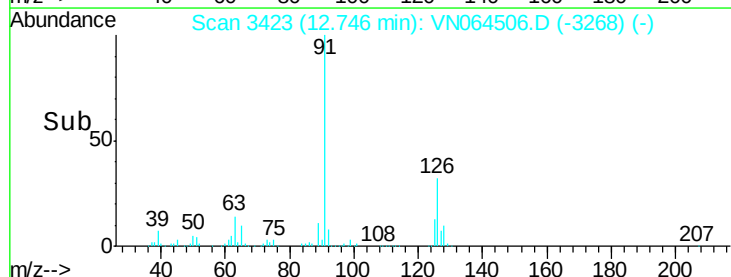
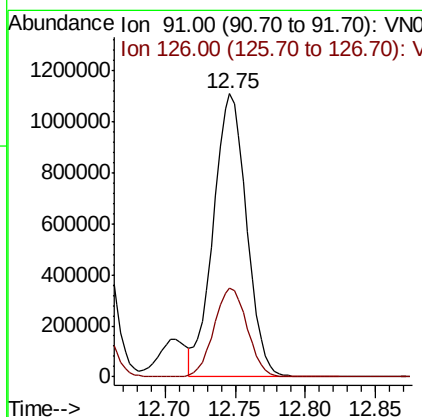
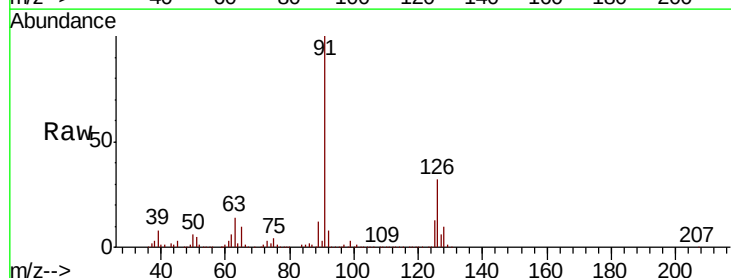
RT: 12.75 min Scan# 3423

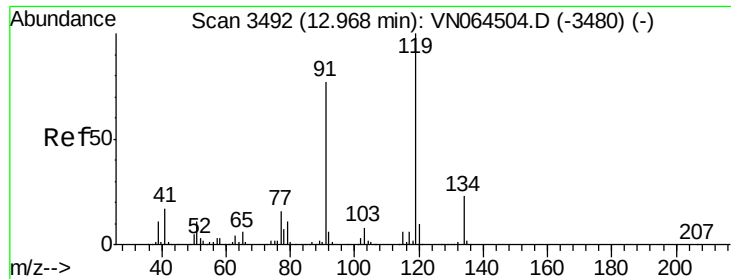
Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Tgt Ion:	91	Resp:	1810208
Ion	Ratio	Lower	Upper
91	100		
126	31.5	0.0	61.8





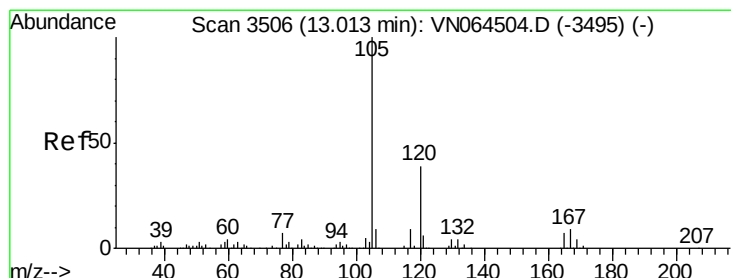
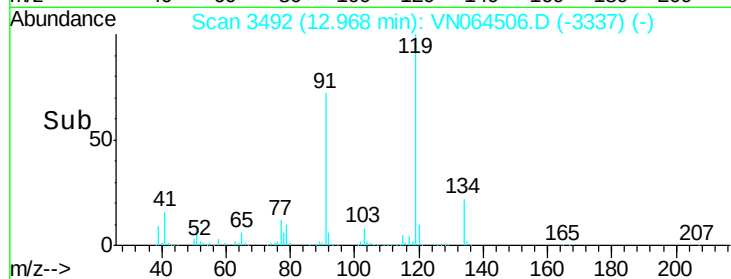
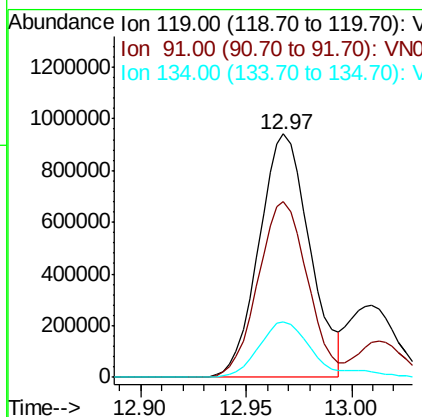
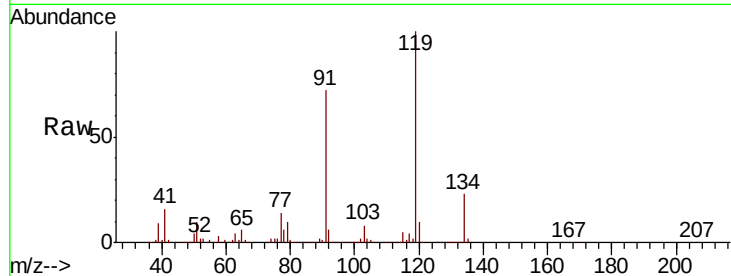
#79
tert-butylbenzene
Concen: 114.468 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.7	0.0	147.8
134	22.9	0.0	50.6

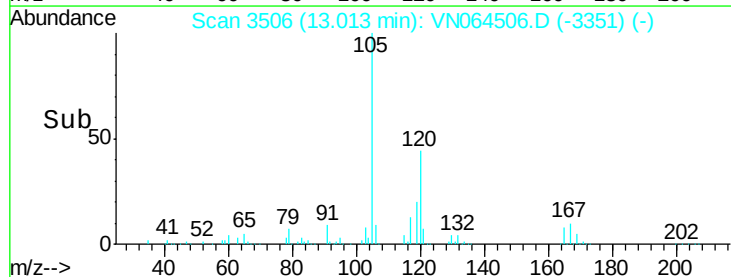
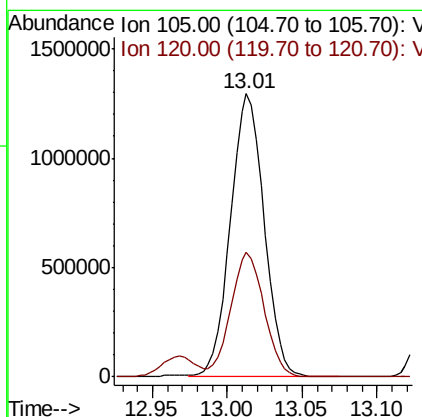
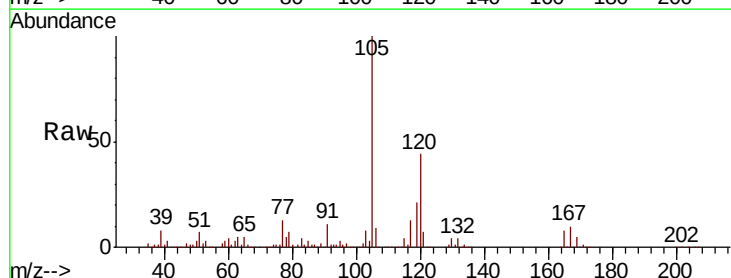
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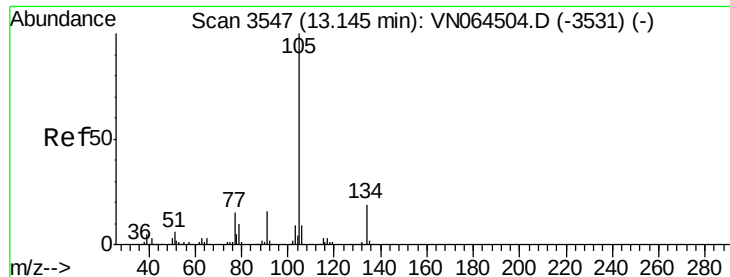
MMDadoda
11/10/2020 1:10:33 PM



#80
1,2,4-Trimethylbenzene
Concen: 114.856 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.8	0.0	88.6





#81

sec-Butylbenzene

Concen: 117.450 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2077495

Ion Ratio Lower Upper

105 100

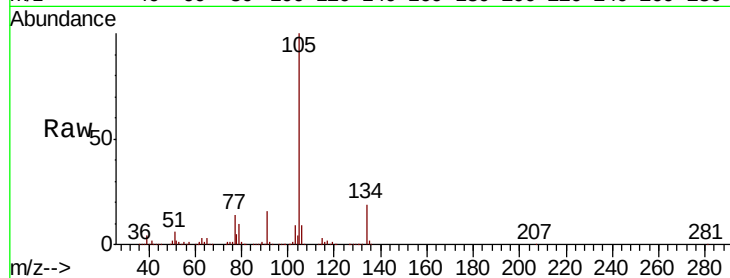
134 18.8 0.0 37.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

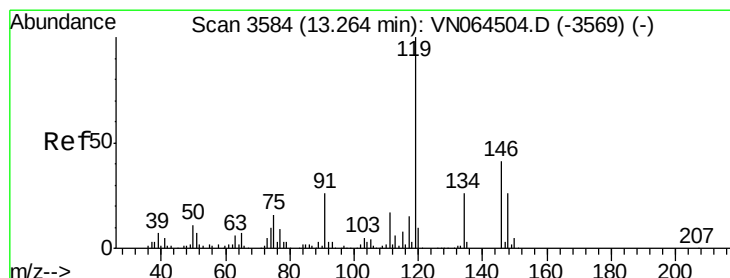
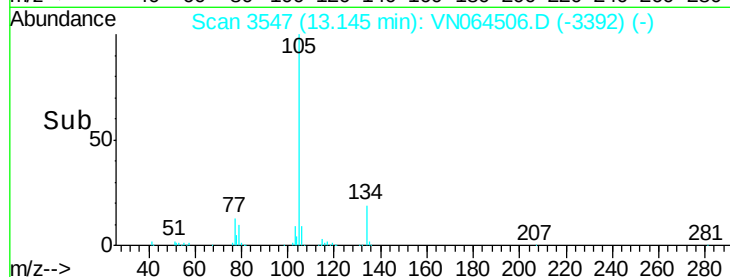
1500000

1000000

500000

0

Time-->



#82

p-Isopropyltoluene

Concen: 117.133 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

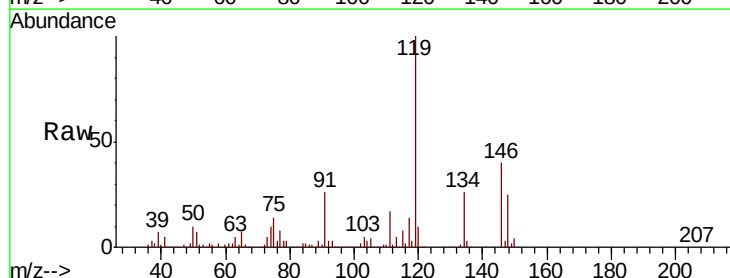
Tgt Ion:119 Resp: 1893398

Ion Ratio Lower Upper

119 100

134 25.7 0.0 53.0

91 25.9 0.0 53.2



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

13.26

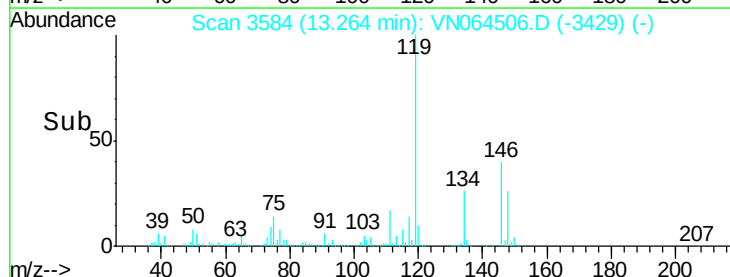
1500000

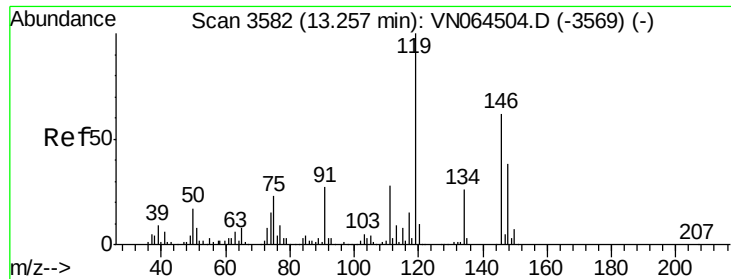
1000000

500000

0

Time-->





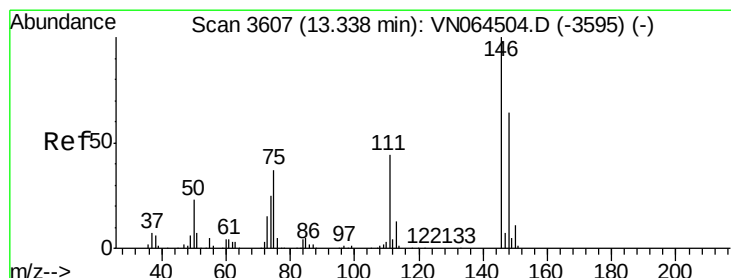
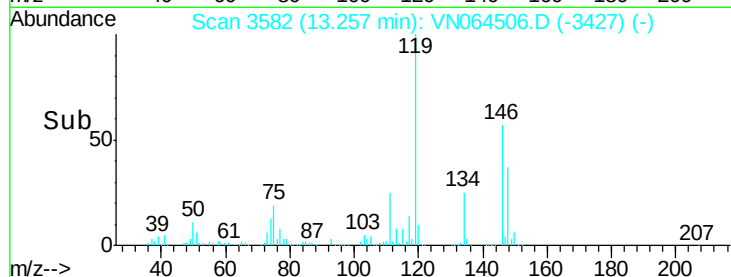
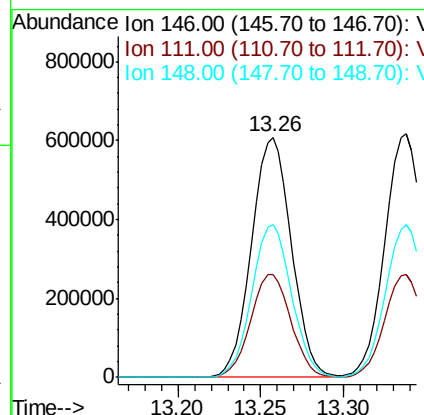
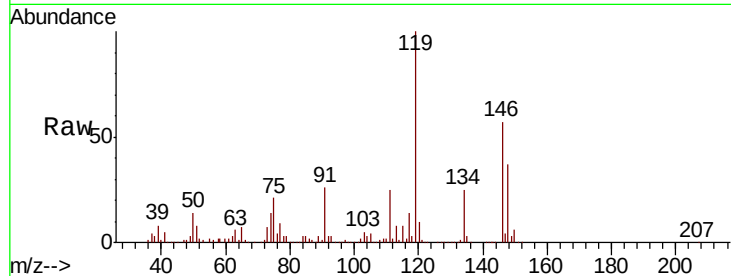
#83
 1,3-Dichlorobenzene
 Concen: 109.871 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.3	66.9
148	63.3	31.8	95.3

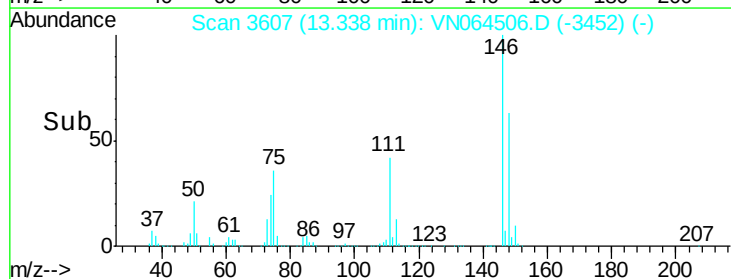
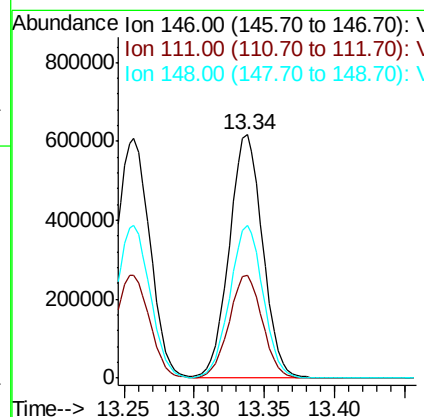
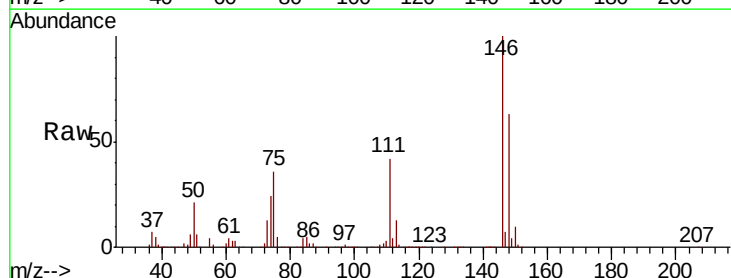
Manual Integrations
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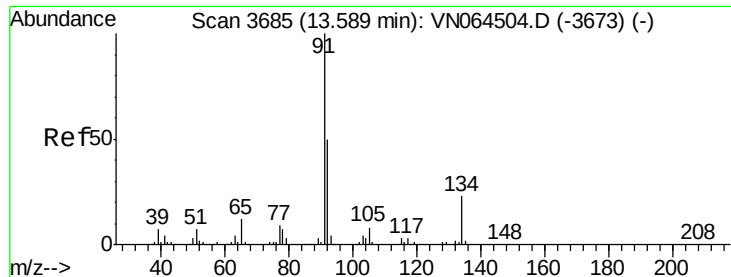
MMDadoda
 11/10/2020 1:10:33 PM



#84
 1,4-Dichlorobenzene
 Concen: 109.637 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.8	65.4
148	62.5	31.5	94.5





#85

n-Butylbenzene

Concen: 127.791 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064506.D

Acq: 9 Nov 2020 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1656274

Ion Ratio Lower Upper

91 100

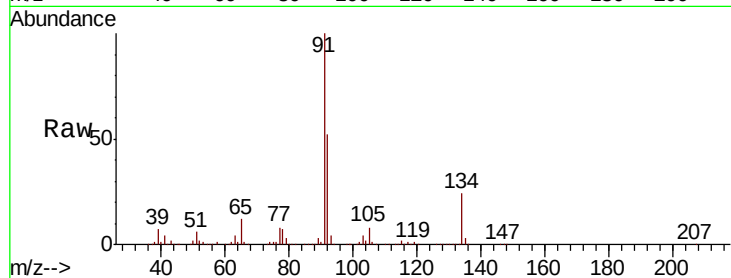
92 51.4 0.0 101.4

134 24.0 0.0 45.2

Manual Integrations
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11/10/2020 1:10:33 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064506.D (-3673) (-)

Ion 92.00 (91.70 to 92.70): VN064506.D (-3673) (-)

Ion 134.00 (133.70 to 134.70): VN064506.D (-3673) (-)

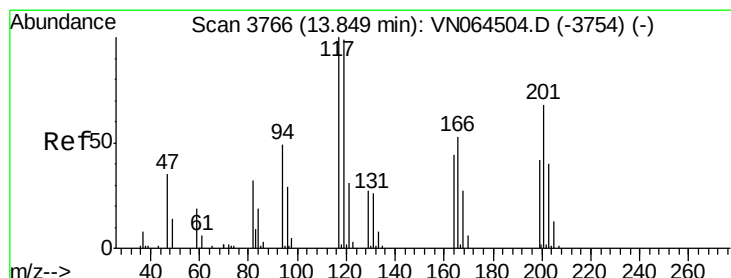
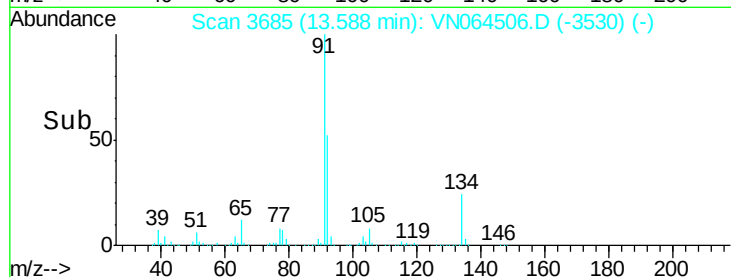
13.59

1000000

500000

0

Time-->



#86

Hexachloroethane

Concen: 114.887 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN064506.D

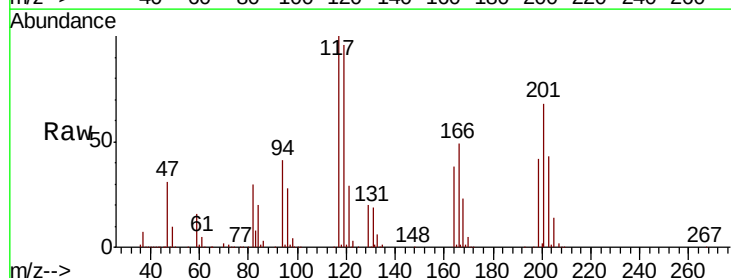
Acq: 9 Nov 2020 12:37

Tgt Ion: 117 Resp: 354473

Ion Ratio Lower Upper

117 100

201 67.5 33.1 99.3



Abundance Ion 117.00 (116.70 to 117.70): VN064506.D (-3754) (-)

Ion 201.00 (200.70 to 201.70): VN064506.D (-3754) (-)

250000

200000

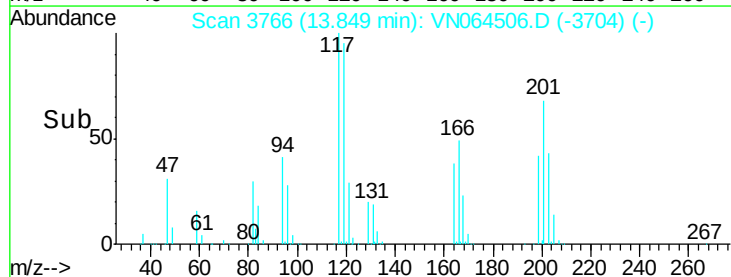
150000

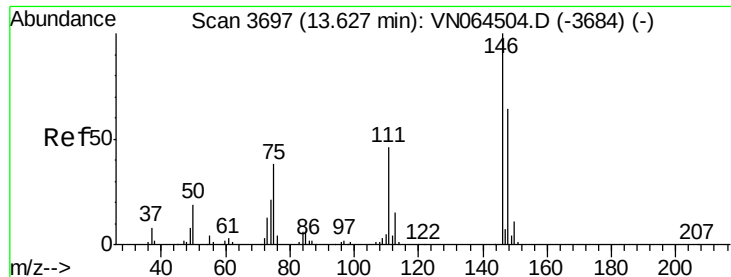
100000

50000

0

Time-->





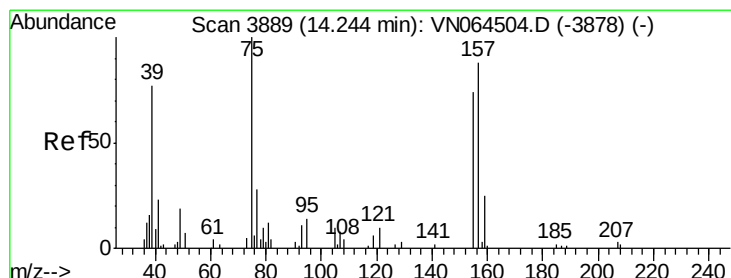
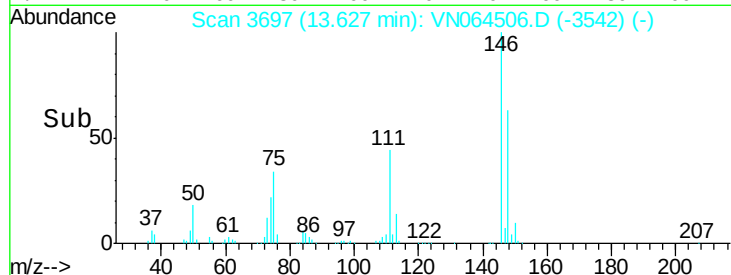
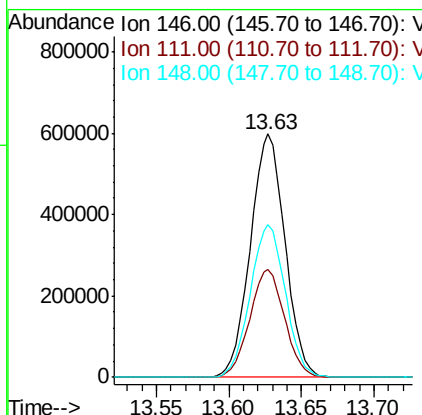
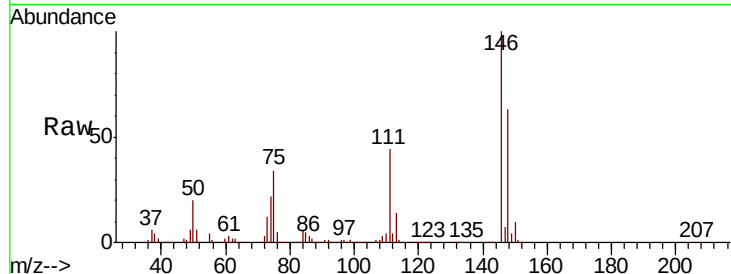
#87
 1,2-Dichlorobenzene
 Concen: 112.130 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	23.1	69.2
148	63.5	32.6	97.8

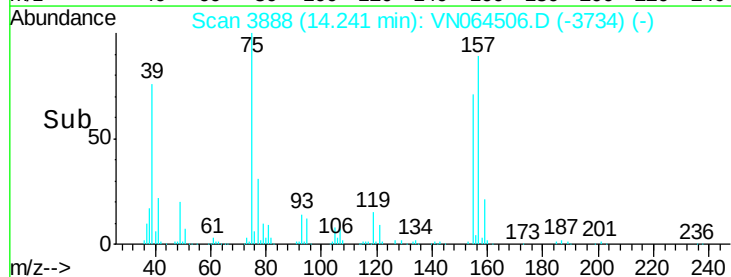
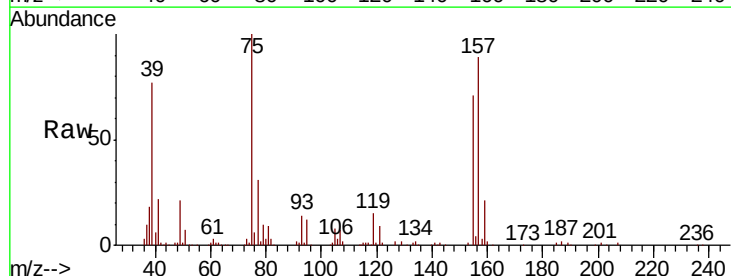
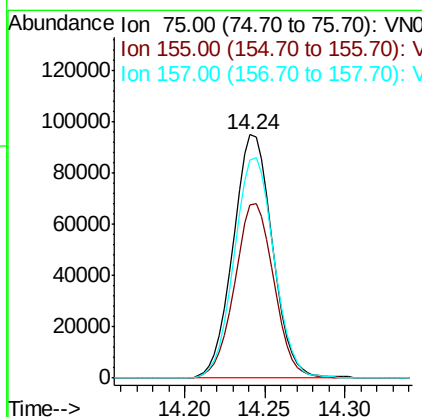
Manual Integrations
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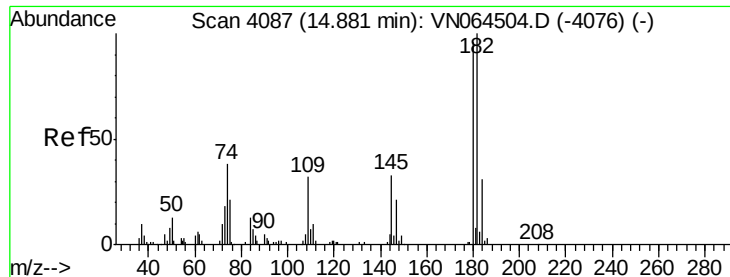
MMDadoda
 11/10/2020 1:10:33 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 122.886 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064506.D
 Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.5	56.5	84.7
157	91.4	69.7	104.5





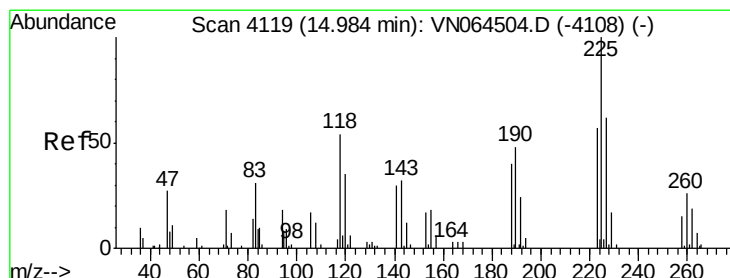
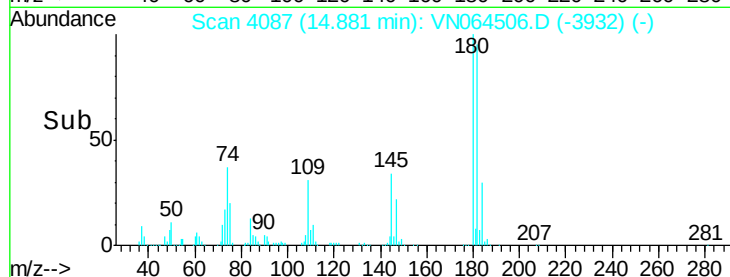
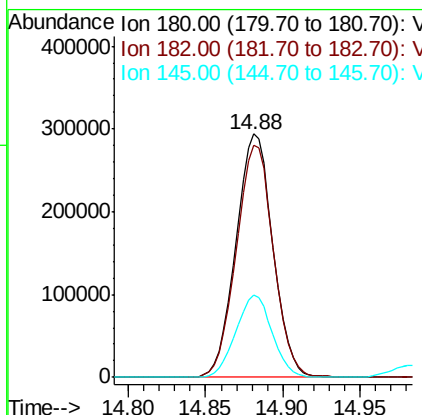
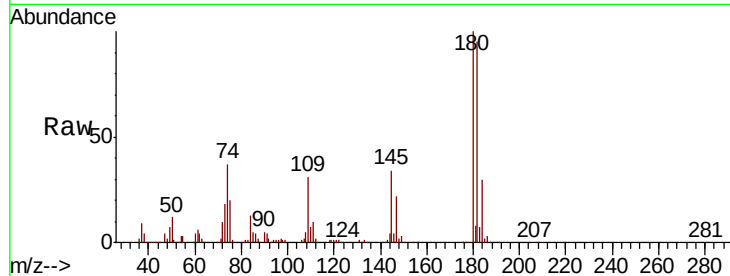
#89
1,2,4-Trichlorobenzene
Concen: 113.436 ug/l
RT: 14.88 min Scan# 4087
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	486195		
182	96.3	79.4	119.0	
145	33.4	27.6	41.4	

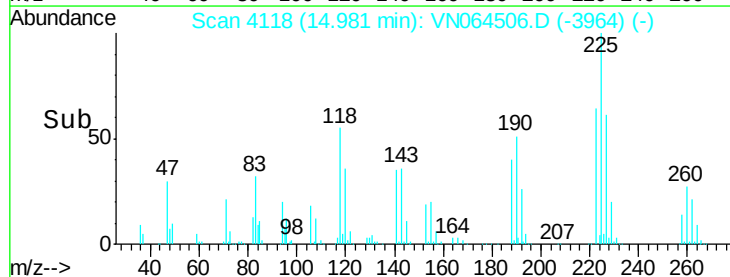
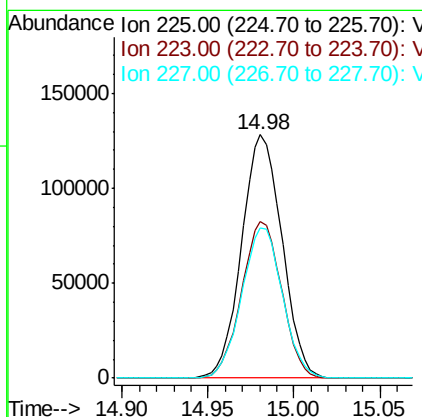
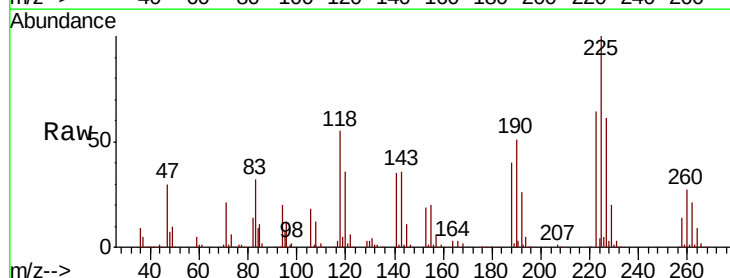
Manual Integrations
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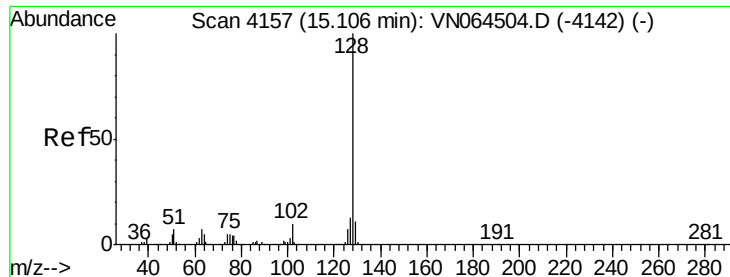
MMDadoda
11/10/2020 1:10:33 PM



#90
Hexachlorobutadiene
Concen: 91.730 ug/l
RT: 14.98 min Scan# 4118
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	209168		
223	63.5	0.0	125.4	
227	62.1	0.0	122.0	





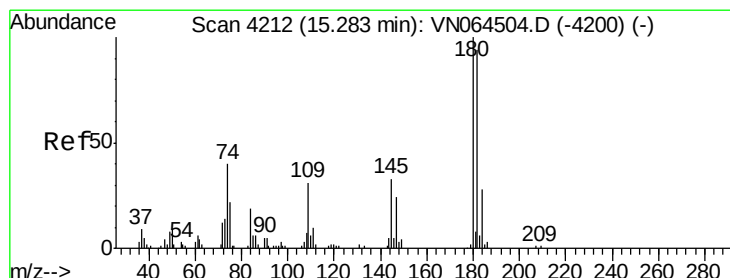
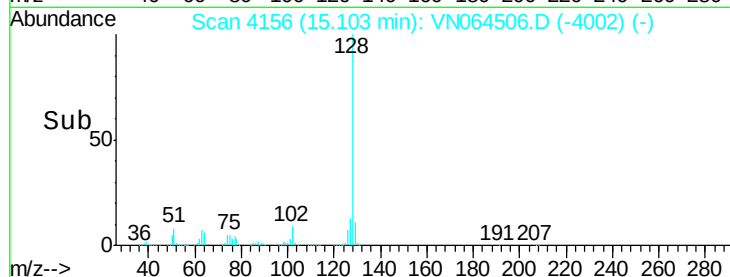
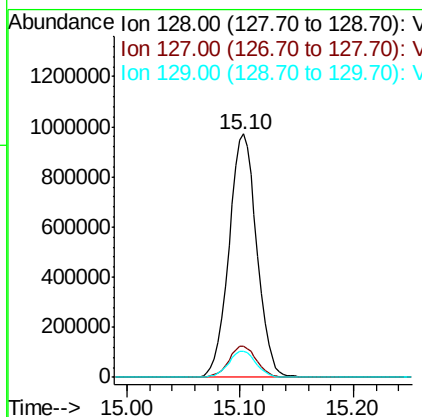
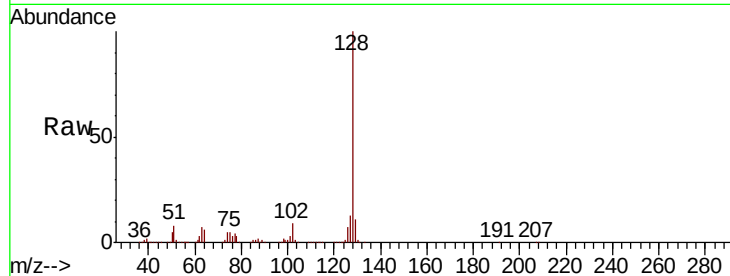
#91
Naphthalene
Concen: 127.710 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.8	8.5	12.7

Manual Integrations
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11/10/2020 1:10:33 PM



#92
1,2,3-Trichlorobenzene
Concen: 109.457 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064506.D
Acq: 9 Nov 2020 12:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	186.0
145	36.3	0.0	69.6

