

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110920\
 Data File : VN064503.D
 Acq On : 9 Nov 2020 11:15
 Operator : JC/MD
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 11/10/2020 1:10:26 PM

Quant Time: Nov 09 12:29:46 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	72746	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	381194	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	349104	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	197206	32.82	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	109.40%
60) 4-Bromofluorobenzene	12.38	95	166694	28.07	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.57%
63) Toluene-d8	10.06	98	497442	31.45	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.83%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	23088	4.932 ug/l	94
3) Chloromethane	2.04	50	27801	5.614 ug/l	99
4) Vinyl Chloride	2.16	62	30477	5.922 ug/l	99
5) Bromomethane	2.53	94	21785	6.455 ug/l	89
6) Chloroethane	2.68	64	18748	6.132 ug/l	95
7) Trichlorofluoromethane	2.99	101	45753	5.526 ug/l	97
8) Diethyl Ether	3.37	74	16164	6.105 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	21156	5.146 ug/l	53
10) 1,1-Dichloroethene	3.69	96	20082	5.123 ug/l	95
11) Methyl Iodide	3.90	142	20413	3.943 ug/l	97
12) Methyl Acetate	4.28	43	22028	5.221 ug/l #	90
13) Acrolein	3.56	56	11866	29.703 ug/l	97
14) Acrylonitrile	4.94	53	50084m	26.682 ug/l	
15) Acetone	3.78	58	17141	26.470 ug/l	98
16) Carbon Disulfide	4.00	76	61452	5.447 ug/l	100
17) Allyl chloride	4.27	41	33216	4.771 ug/l	100
18) Methylene Chloride	4.50	84	23958	5.261 ug/l	95
19) trans-1,2-Dichloroethene	4.98	96	22309	5.160 ug/l	91
20) Diisopropyl ether	5.90	45	71578	4.838 ug/l	92
21) 1,1-Dichloroethane	5.79	63	44422	5.320 ug/l	96
22) cis-1,2-Dichloroethene	6.78	96	24205	4.799 ug/l	97
23) tert-Butyl Alcohol	4.75	59	16271	23.164 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	62641	4.509 ug/l #	67
25) Chloroform	7.33	83	45228	5.052 ug/l	97
26) Cyclohexane	7.61	56	29346	4.451 ug/l #	98
29) 1,1-Dichloropropene	7.75	75	31076	4.986 ug/l	98
30) 2-Butanone	6.79	43	76060	26.676 ug/l #	83
31) 2,2-Dichloropropane	6.77	77	38422	5.066 ug/l #	58
32) 1,1,1-Trichloroethane	7.52	97	39682	4.949 ug/l	98
33) Carbon Tetrachloride	7.74	117	36140	5.009 ug/l	97
34) Benzene	8.00	78	93085	5.286 ug/l #	64
35) Methacrylonitrile	7.13	41	12642	4.551 ug/l	93
36) 1,2-Dichloroethane	8.08	62	41139	5.663 ug/l	97
37) Trichloroethene	8.80	130	24702	5.086 ug/l	99
38) Methylcyclohexane	9.05	83	26911	4.803 ug/l	95
39) 1,2-Dichloropropane	9.08	63	24755	5.408 ug/l	95
40) Dibromomethane	9.17	93	16695	5.112 ug/l	95

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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
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Quant Time: Nov 09 12:29:46 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)
41) Bromodichloromethane	9.37	83	36816	5.317	ug/l #	99
42) Vinyl Acetate	5.85	43	291730	24.446	ug/l	99
43) Ethyl Acetate	6.88	43	30483	5.505	ug/l	98
44) Isopropyl Acetate	8.13	43	51432	5.311	ug/l	99
45) 1,4-Dioxane	9.17	88	7086m	102.423	ug/l	
46) Methyl methacrylate	9.16	41	24734	5.169	ug/l	90
47) n-amyl Acetate	12.05	43	34893	4.226	ug/l	95
48) t-1,3-Dichloropropene	10.35	75	35035	4.612	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	38720	4.930	ug/l	99
50) 1,1,2-Trichloroethane	10.53	97	23656	5.405	ug/l	92
51) Ethyl methacrylate	10.40	69	26429	4.212	ug/l	95
52) 1,3-Dichloropropane	10.68	76	39392	5.344	ug/l	98
53) Dibromochloromethane	10.87	129	25157	4.709	ug/l	96
54) 1,2-Dibromoethane	10.97	107	22281	4.806	ug/l	99
55) 2-Chloroethyl vinyl ether	9.66	63	71811	21.011	ug/l	98
56) Bromoform	12.10	173	15418	4.113	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	147887	26.139	ug/l	98
59) 2-Hexanone	10.72	43	105569	25.144	ug/l	100
61) Tetrachloroethene	10.60	164	23004	4.944	ug/l	94
62) Toluene	10.12	91	101349	5.149	ug/l	99
64) Chlorobenzene	11.40	112	58519	4.800	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.48	131	22920	4.849	ug/l	98
66) Ethyl Benzene	11.48	91	100524	4.678	ug/l	96
67) m/p-Xylenes	11.59	106	70545	8.722	ug/l	99
68) o-Xylene	11.92	106	32941	4.247	ug/l	97
69) Styrene	11.94	104	51991	3.993	ug/l	100
70) Isopropylbenzene	12.22	105	84603	4.208	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	30394	5.295	ug/l	95
72) 1,2,3-Trichloropropane	12.53	75	32789m	5.544	ug/l	
73) Bromobenzene	12.50	156	23438	4.551	ug/l	96
74) n-propylbenzene	12.56	91	102303	4.581	ug/l	99
75) 2-Chlorotoluene	12.65	91	66906	4.737	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	70190	4.200	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	9526	4.528	ug/l	96
78) 4-Chlorotoluene	12.75	91	67728	4.617	ug/l	99
79) tert-butylbenzene	12.97	119	55680	4.238	ug/l	97
80) 1,2,4-Trimethylbenzene	13.01	105	68065	4.044	ug/l	100
81) sec-Butylbenzene	13.14	105	73940	4.376	ug/l	98
82) p-Isopropyltoluene	13.26	119	61560	3.987	ug/l	98
83) 1,3-Dichlorobenzene	13.26	146	37749	4.263	ug/l	100
84) 1,4-Dichlorobenzene	13.34	146	37394	4.215	ug/l	98
85) n-Butylbenzene	13.59	91	54641	4.414	ug/l	97
86) Hexachloroethane	13.85	117	14642	4.968	ug/l	97
87) 1,2-Dichlorobenzene	13.63	146	36695	4.314	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.24	75	6241	5.039	ug/l	95
89) 1,2,4-Trichlorobenzene	14.88	180	13840	3.381	ug/l	96
90) Hexachlorobutadiene	14.98	225	10458	4.802	ug/l	96
91) Naphthalene	15.10	128	41817	3.372	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	15067	3.659	ug/l	95

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Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

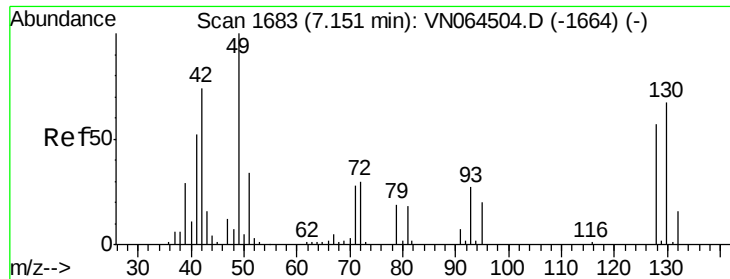
Manual Integrations
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 09 12:16:00 2020
Response via : Initial Calibration

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



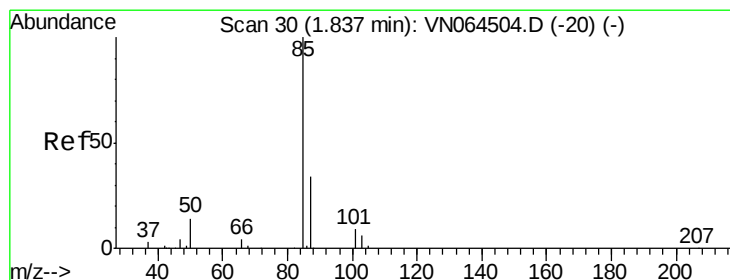
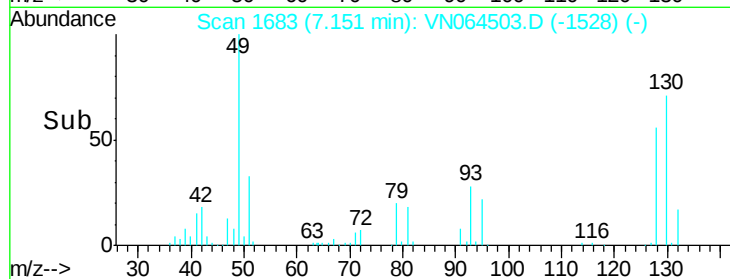
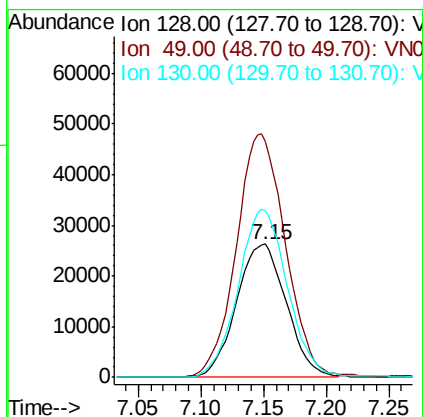
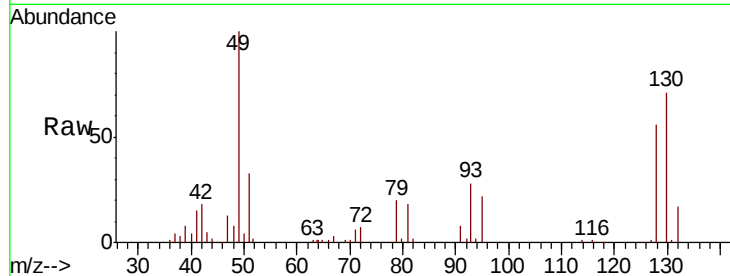
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
49	180.3	0.0	475.5
130	124.3	0.0	315.3

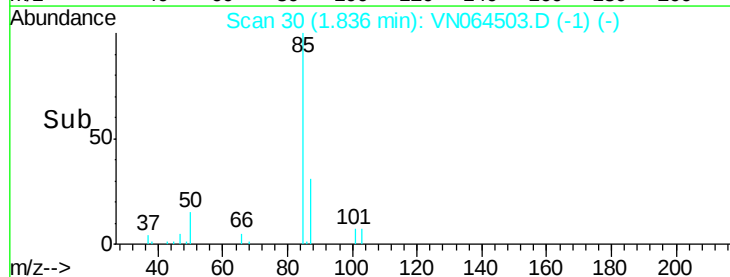
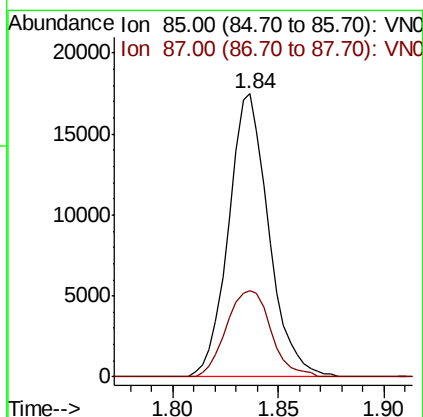
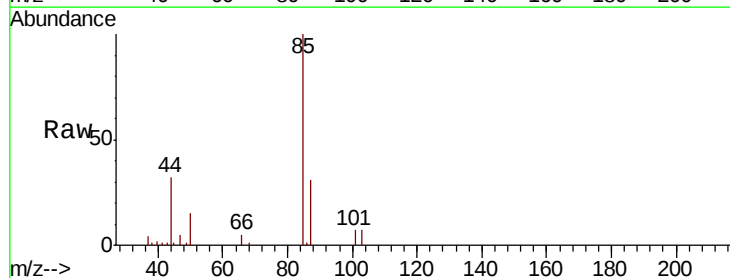
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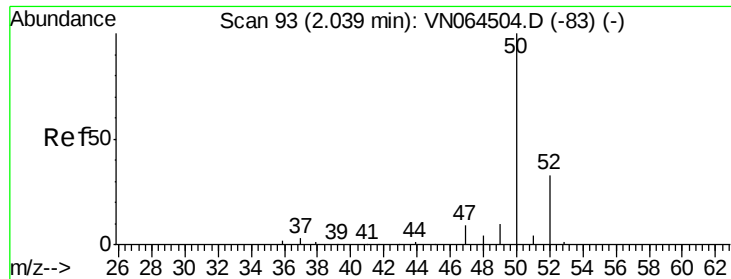
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#2
Dichlorodifluoromethane
Concen: 4.932 ug/l
RT: 1.84 min Scan# 30
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.5	17.0	50.9





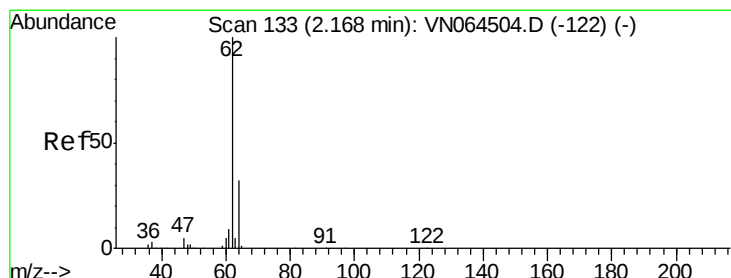
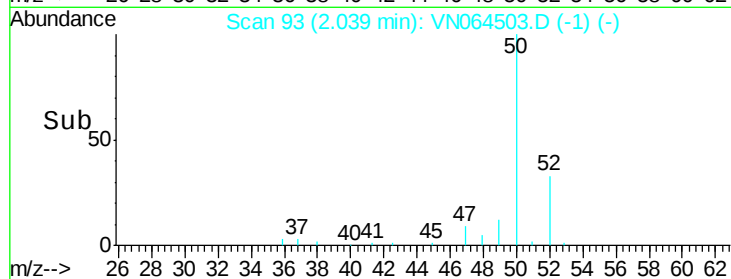
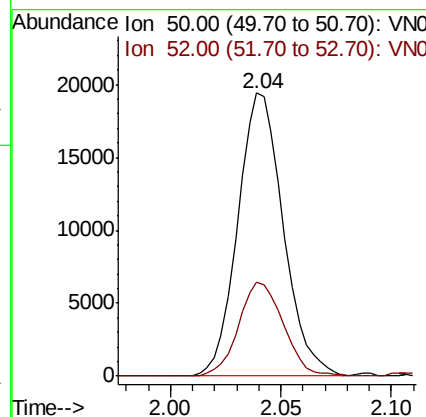
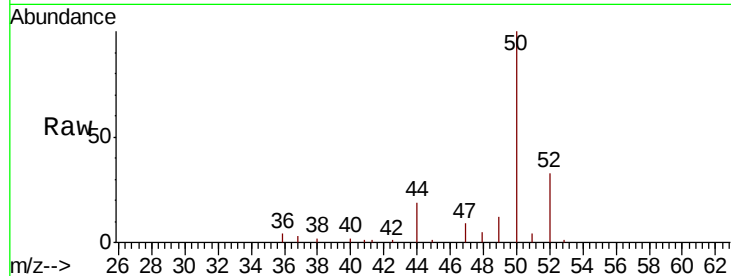
#3
Chloromethane
Concen: 5.614 ug/l
RT: 2.04 min Scan# 93
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 50 Resp: 27801
Ion Ratio Lower Upper
50 100
52 33.2 26.0 39.0

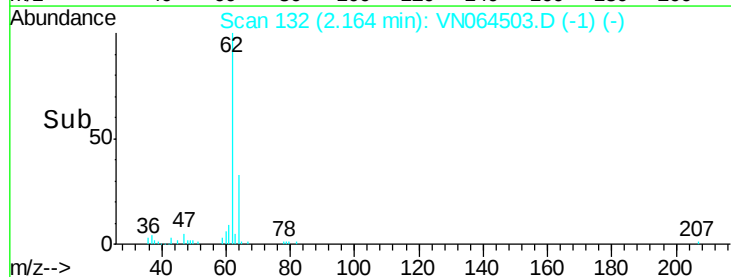
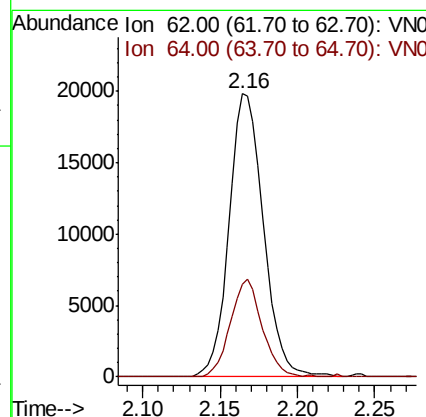
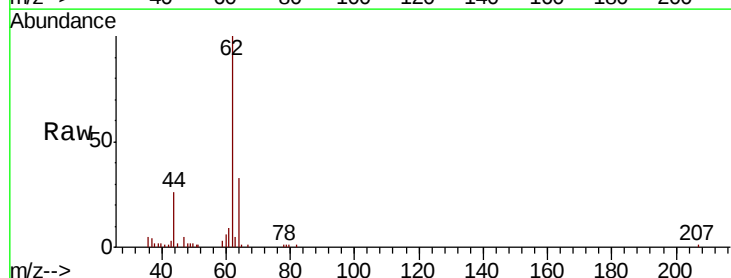
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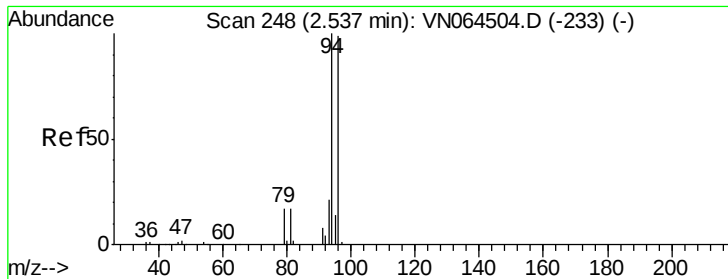
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#4
Vinyl Chloride
Concen: 5.922 ug/l
RT: 2.16 min Scan# 133
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion: 62 Resp: 30477
Ion Ratio Lower Upper
62 100
64 32.8 25.8 38.8





#5

Bromomethane

Concen: 6.455 ug/l

RT: 2.53 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 21785

Ion Ratio Lower Upper

94 100

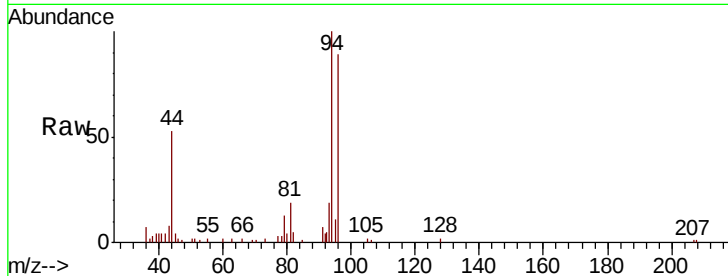
96 88.5 79.3 118.9

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

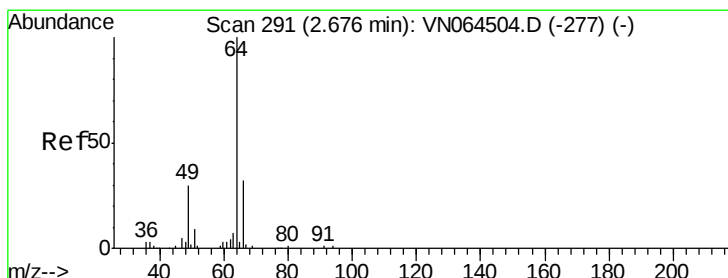
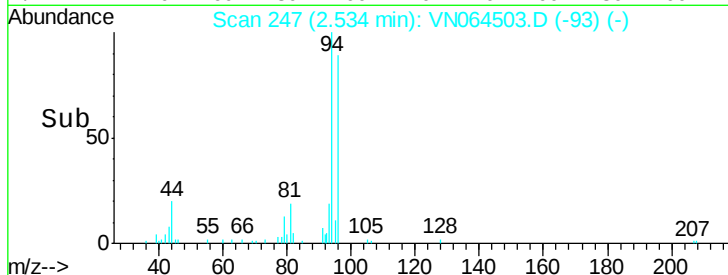
2.53

10000

5000

0

Time-->



#6

Chloroethane

Concen: 6.132 ug/l

RT: 2.68 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN064503.D

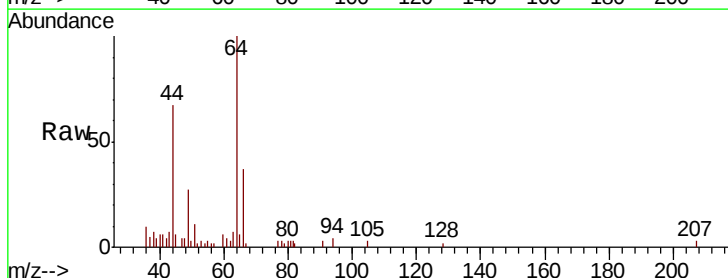
Acq: 9 Nov 2020 11:15

Tgt Ion: 64 Resp: 18748

Ion Ratio Lower Upper

64 100

66 35.0 26.0 39.0



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.68

10000

8000

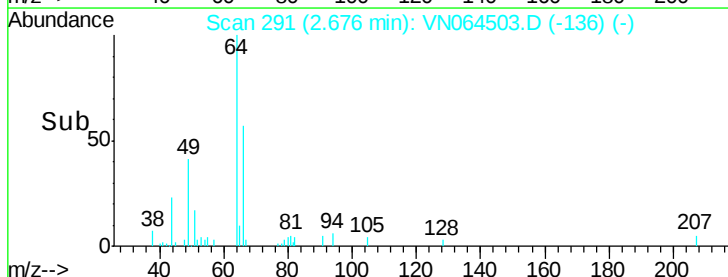
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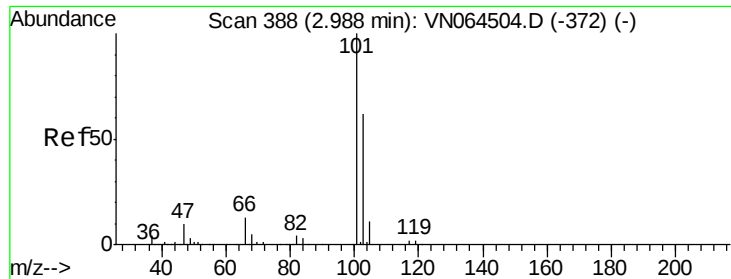
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2000

0

Time-->





#7

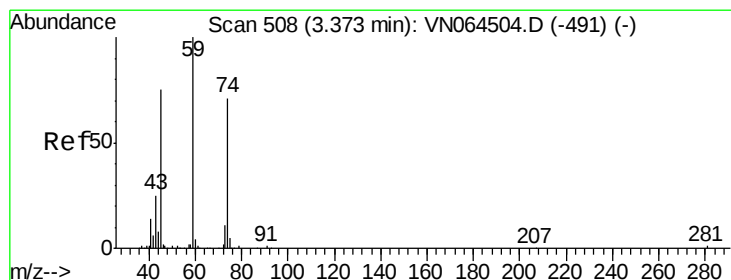
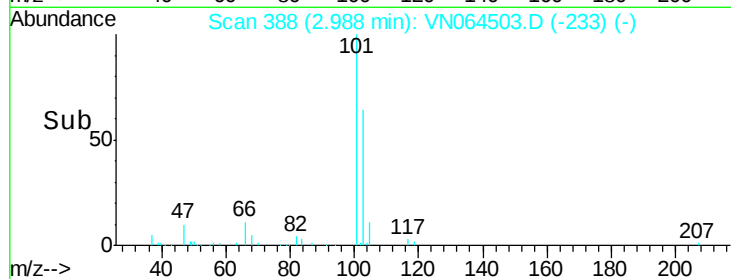
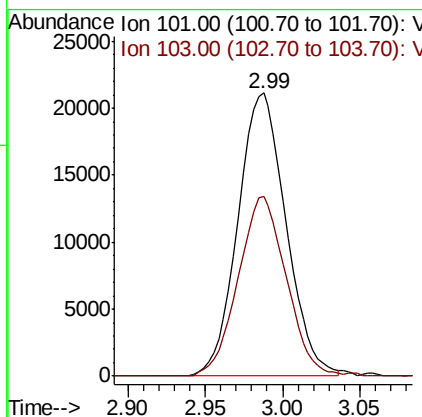
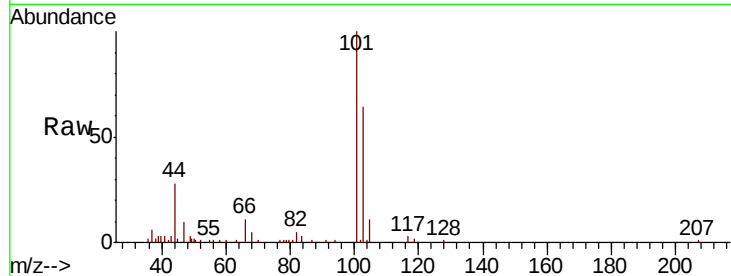
Trichlorofluoromethane
 Concen: 5.526 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	49.3	73.9

Manual Integrations
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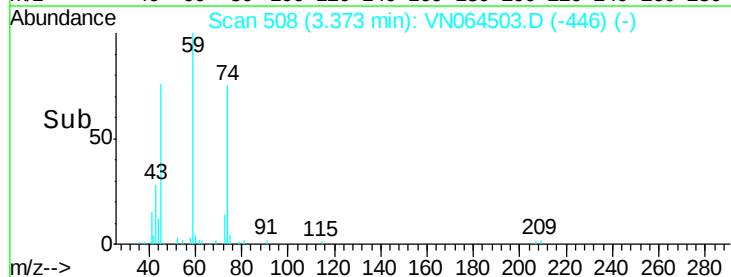
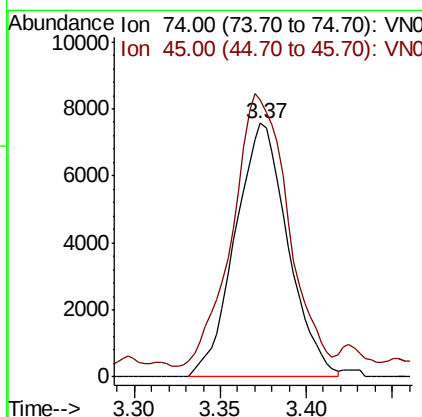
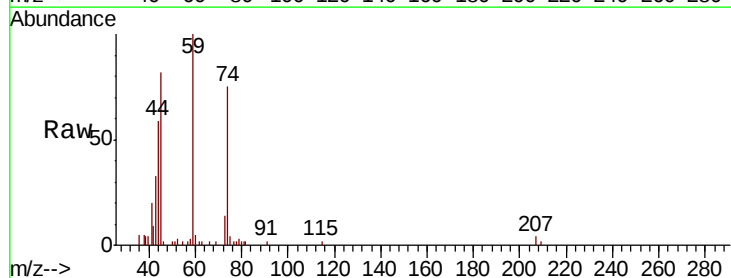
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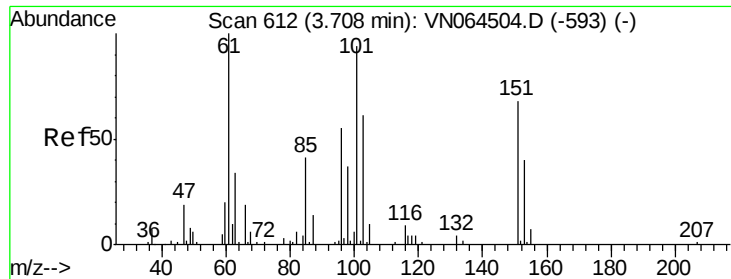


#8

Diethyl Ether
 Concen: 6.105 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	112.8	22.1	198.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.146 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Instrument :

MSVOA_N

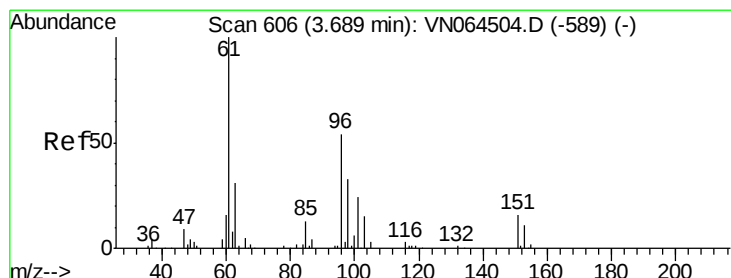
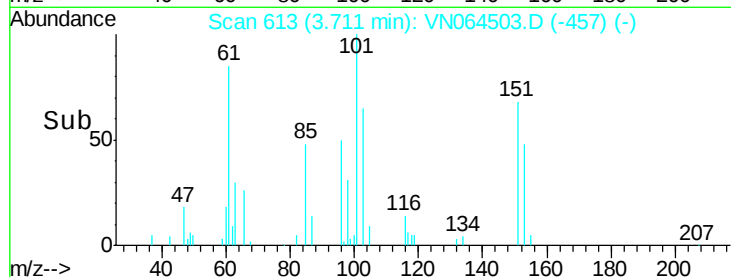
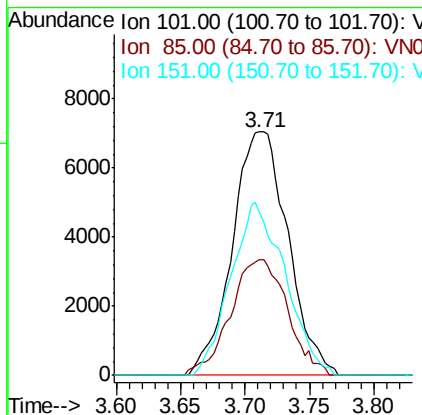
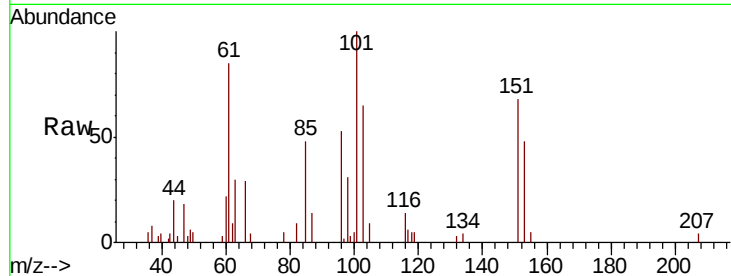
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	21156
Ion Ratio	Lower	Upper	
101	100		
85	47.8	0.0	49.0
151	69.3	0.0	80.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 5.123 ug/l

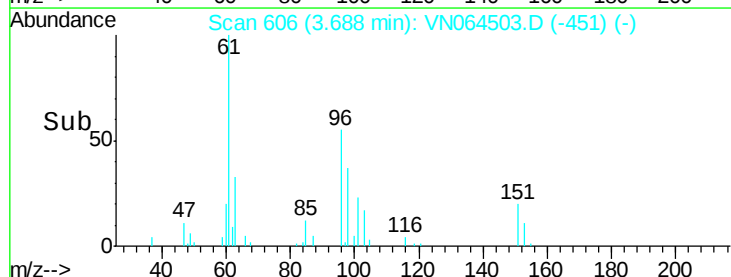
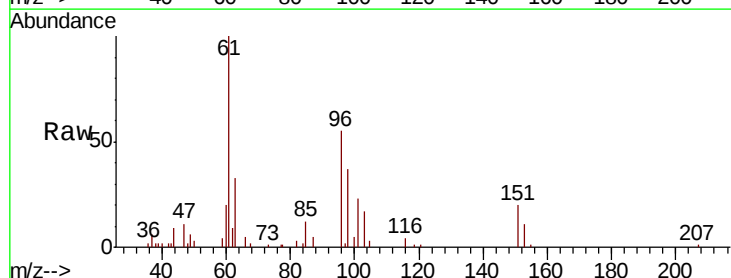
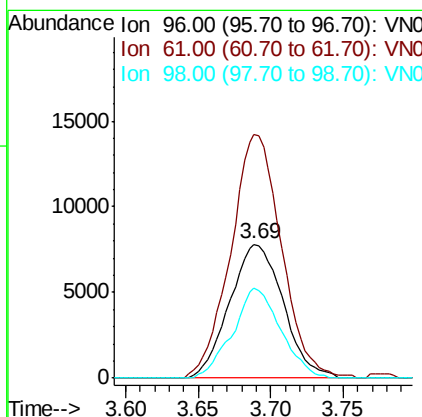
RT: 3.69 min Scan# 606

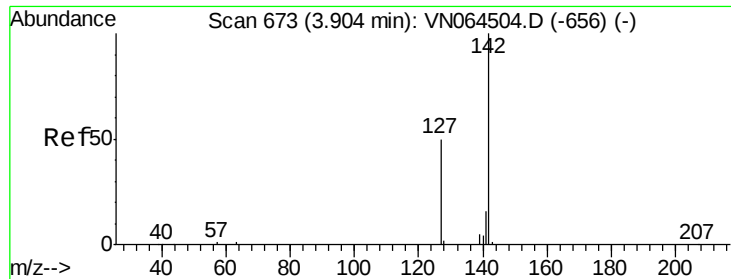
Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Tgt Ion:	96	Resp:	20082
Ion Ratio	Lower	Upper	
96	100		
61	179.4	149.2	223.8
98	67.2	49.6	74.4





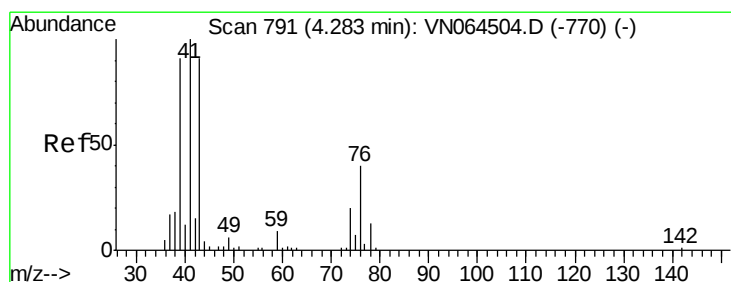
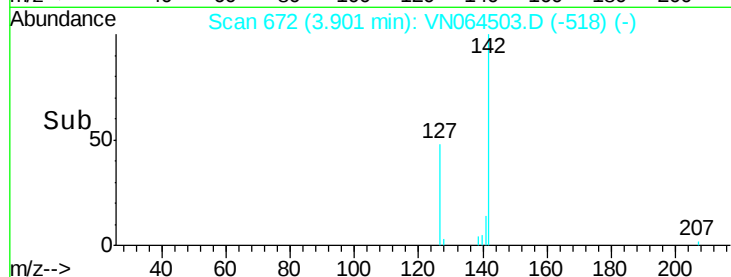
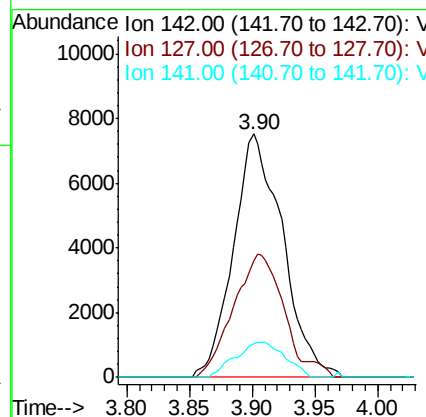
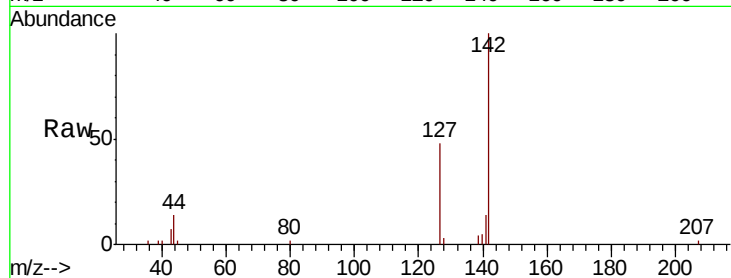
#11
Methvl Iodide
Concen: 3.943 ug/l
RT: 3.90 min Scan# 672
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	51.4	24.7	74.1
141	14.1	7.8	23.3

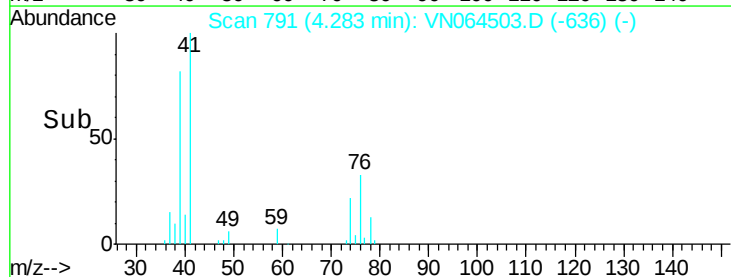
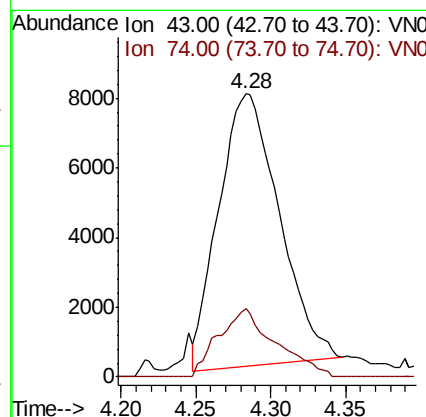
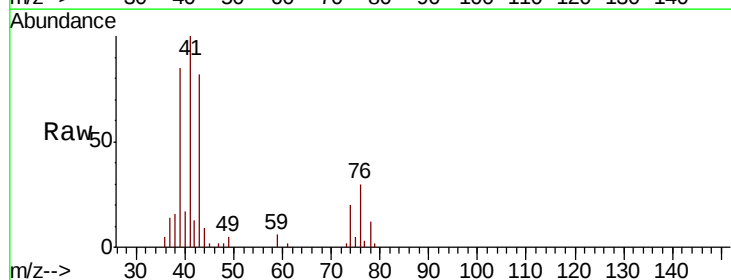
Manual Integrations
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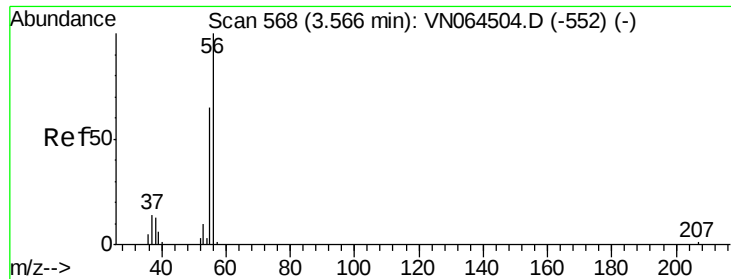
MMDadoda
11/10/2020 1:10:26 PM



#12
Methyl Acetate
Concen: 5.221 ug/l
RT: 4.28 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	17.7	26.5#





#13

Acrolein

Concen: 29.703 ug/l

RT: 3.56 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 11866

Ion Ratio Lower Upper

56 100

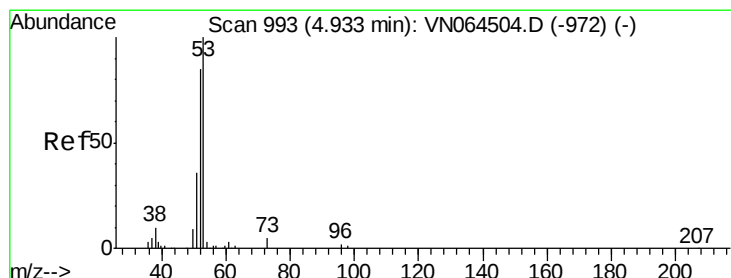
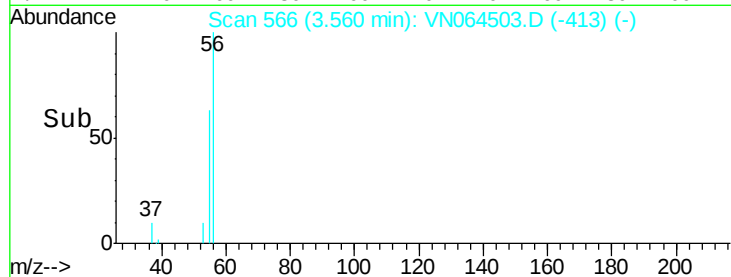
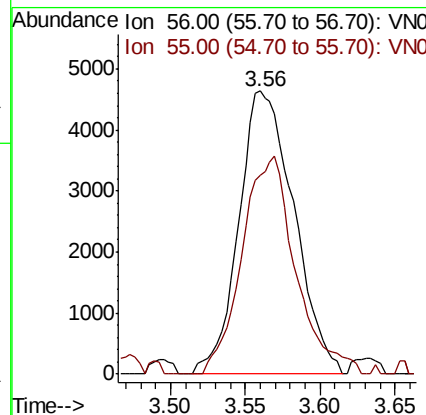
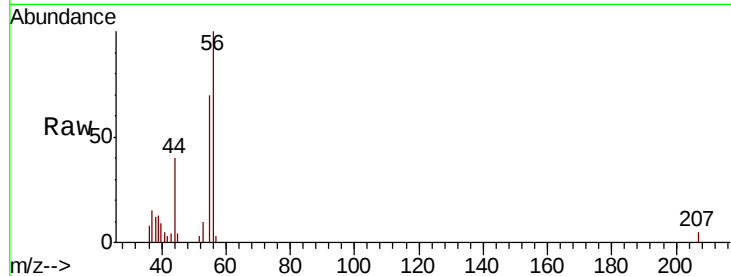
55 75.1 58.2 87.2

Manual Integrations

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#14

Acrylonitrile

Concen: 26.682 ug/l m

RT: 4.94 min Scan# 996

Delta R.T. 0.01 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

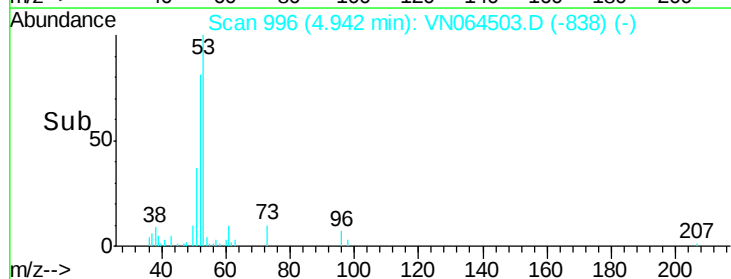
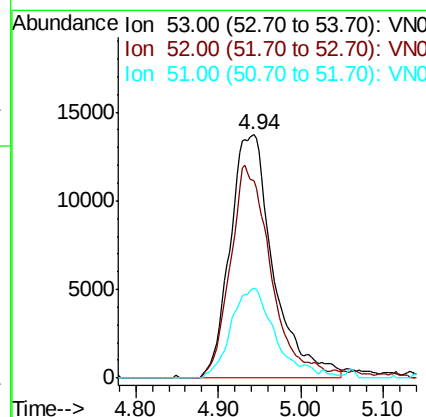
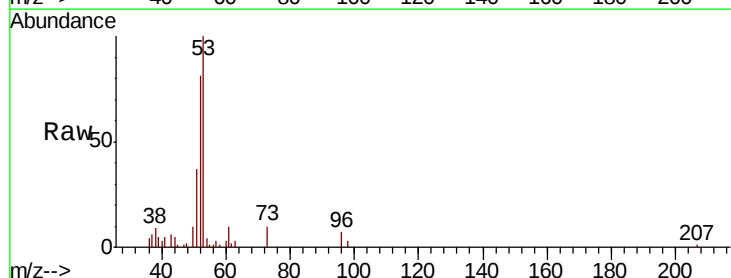
Tgt Ion: 53 Resp: 50084

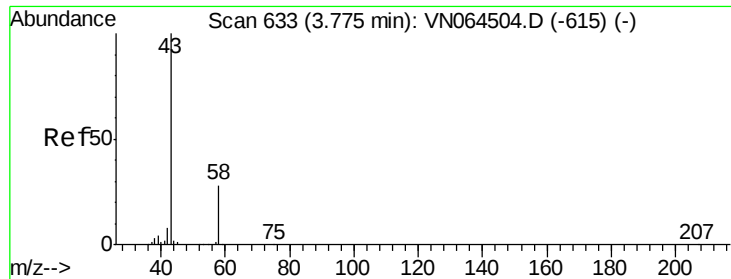
Ion Ratio Lower Upper

53 100

52 80.2 41.3 124.1

51 35.7 18.9 56.5





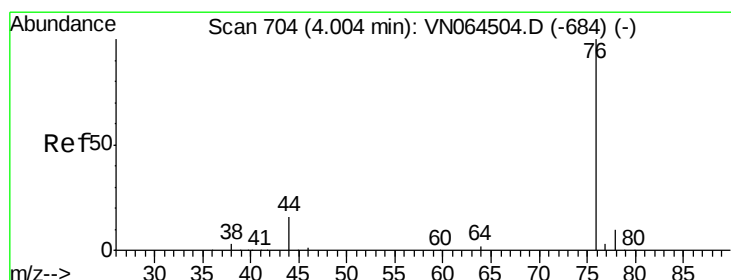
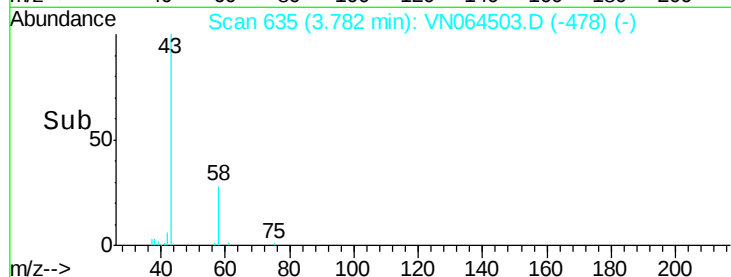
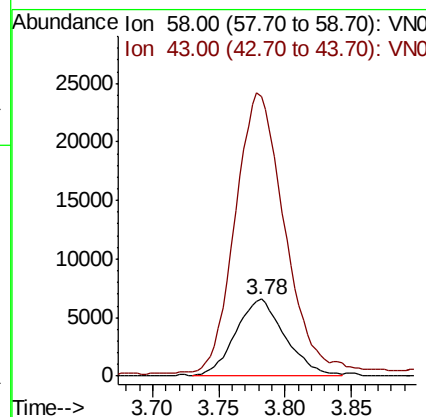
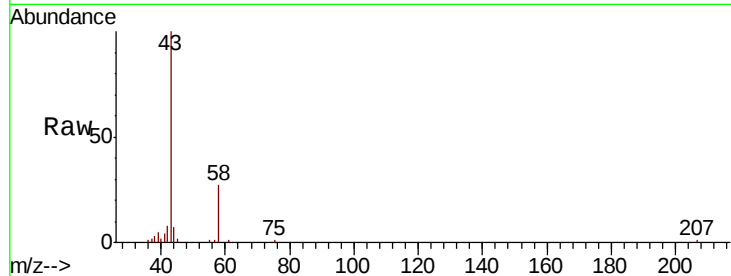
#15
Acetone
Concen: 26.470 ug/l
RT: 3.78 min Scan# 635
Delta R.T. 0.01 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 58 Resp: 17141
Ion Ratio Lower Upper
58 100
43 358.6 289.8 434.8

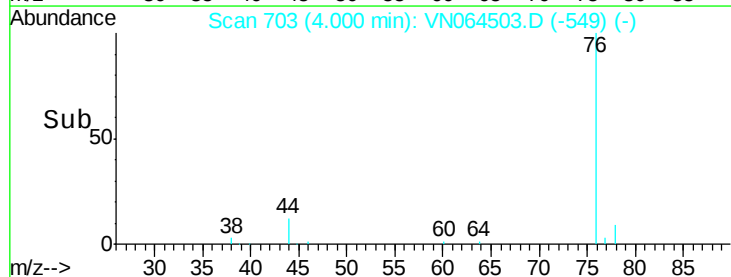
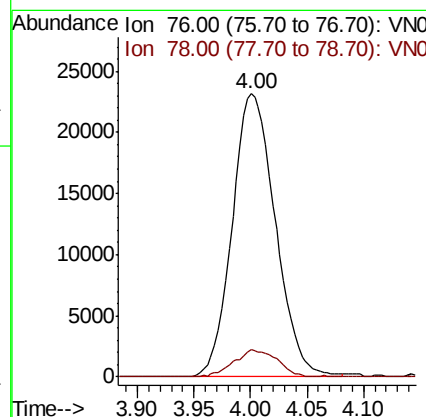
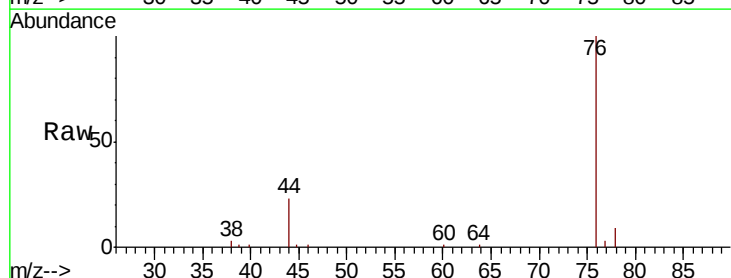
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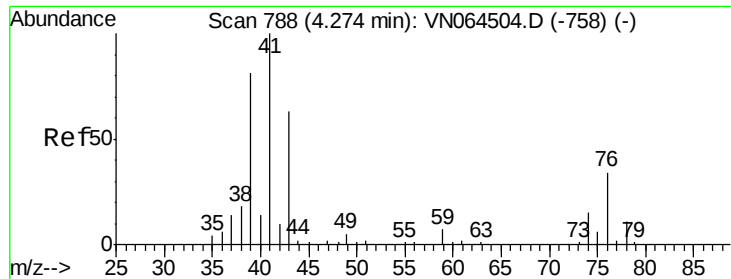
MMDadoda
11/10/2020 1:10:26 PM



#16
Carbon Disulfide
Concen: 5.447 ug/l
RT: 4.00 min Scan# 703
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion: 76 Resp: 61452
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4





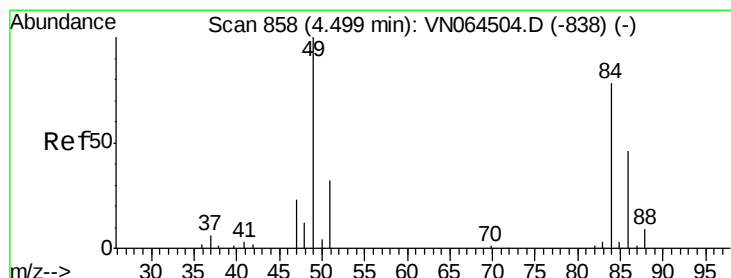
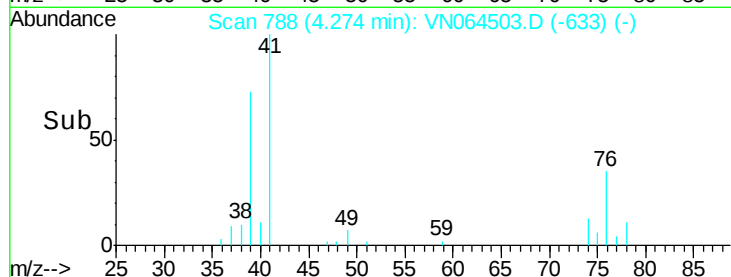
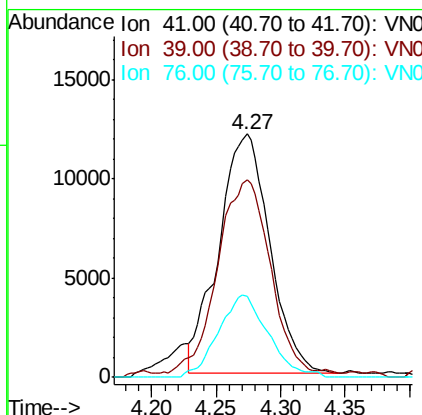
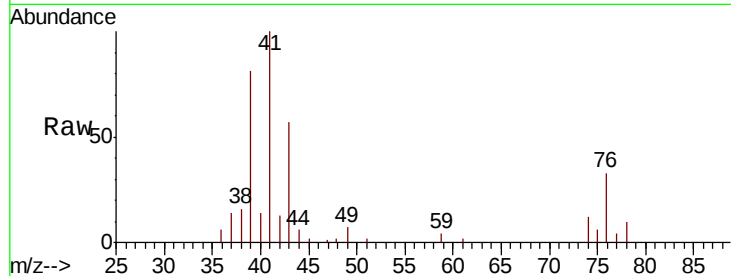
#17
Allvl chloride
Concen: 4.771 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	33216
Ion	Ratio	Lower	Upper
41	100		
39	80.5	40.3	120.8
76	33.7	16.8	50.3

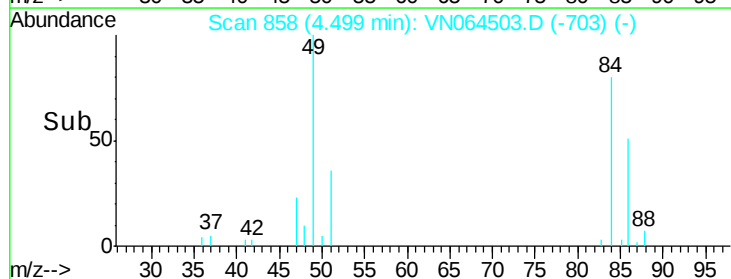
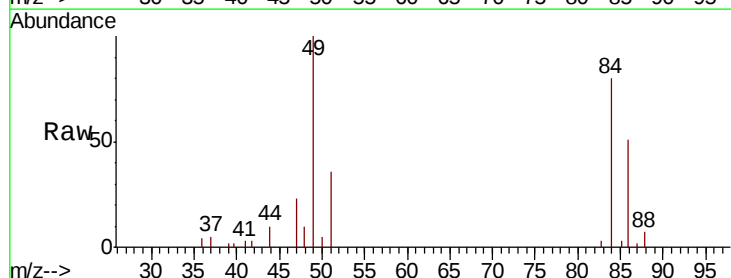
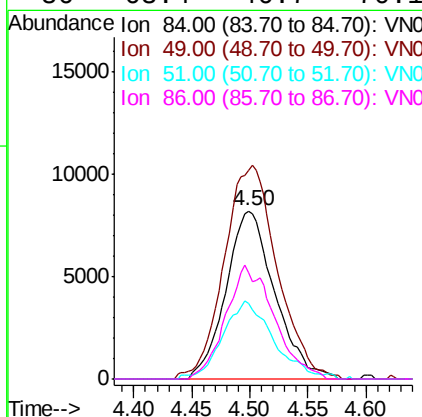
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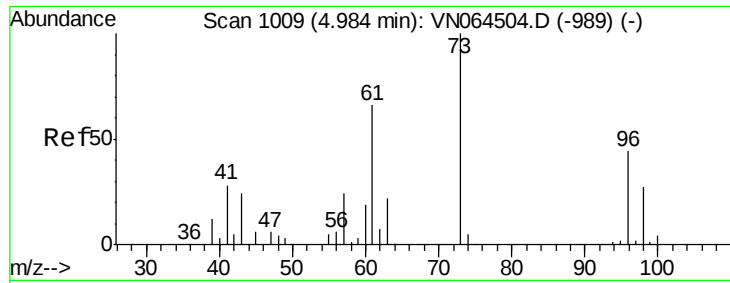
MMDadoda
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#18
Methylene Chloride
Concen: 5.261 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion:	84	Resp:	23958
Ion	Ratio	Lower	Upper
84	100		
49	122.3	102.1	153.1
51	44.8	32.6	48.8
86	63.4	46.7	70.1





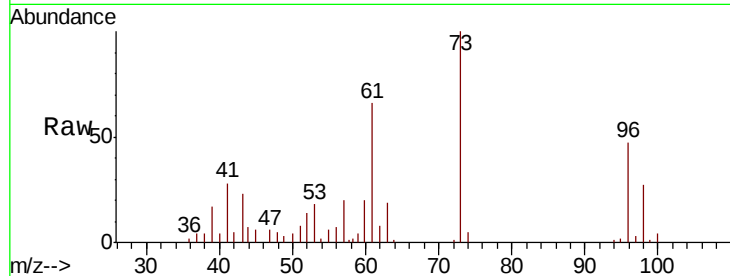
#19
trans-1,2-Dichloroethene
Concen: 5.160 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

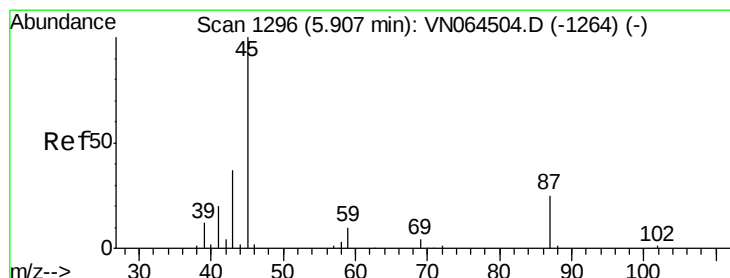
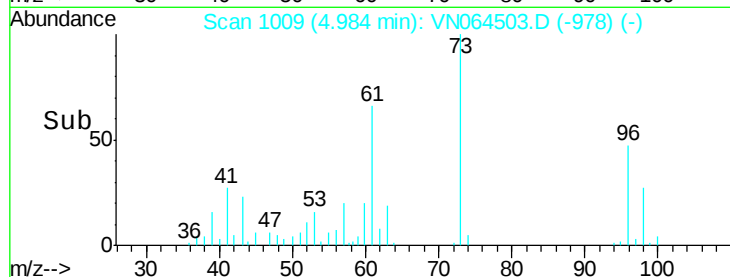
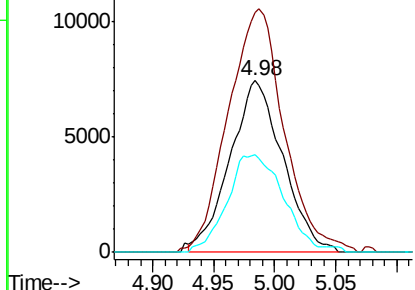
Tot Ion	Ratio	Lower	Upper
96	100		
61	136.9	120.1	180.1
98	57.0	49.1	73.7

Manual Integrations
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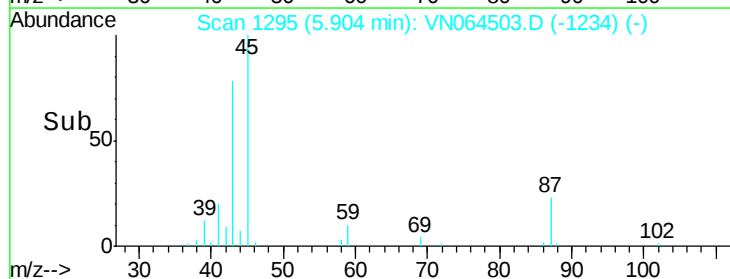
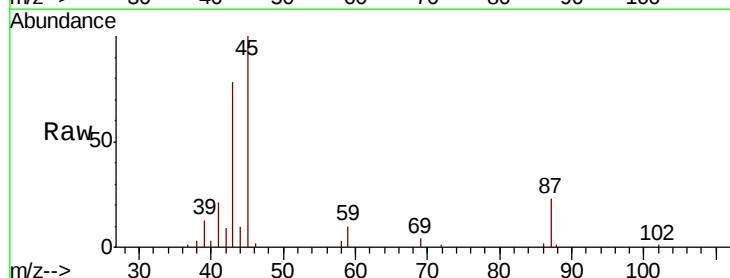
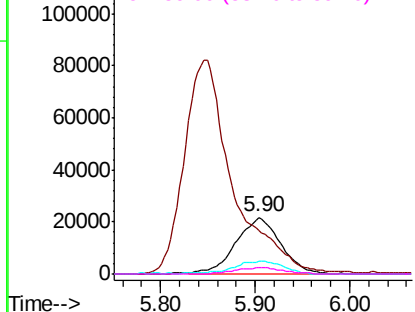
Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

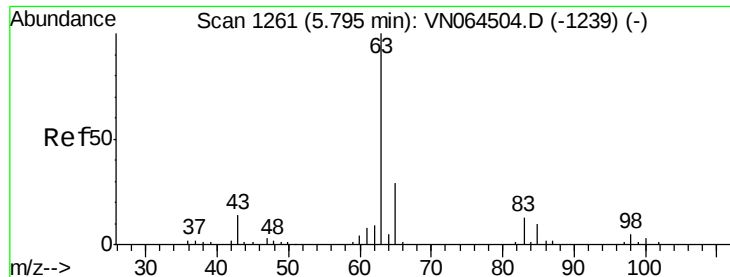


#20
Diisopropyl ether
Concen: 4.838 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
45	100		
43	74.3	53.1	79.7
87	23.3	21.0	31.6
59	10.4	8.2	12.4

Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





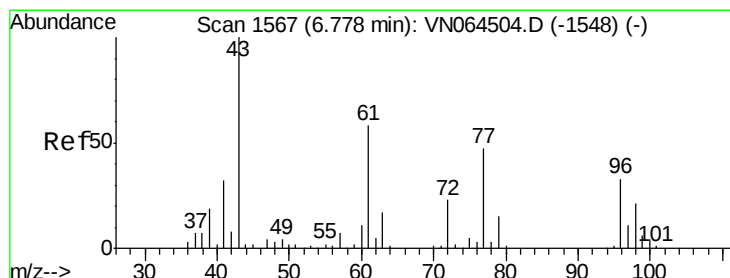
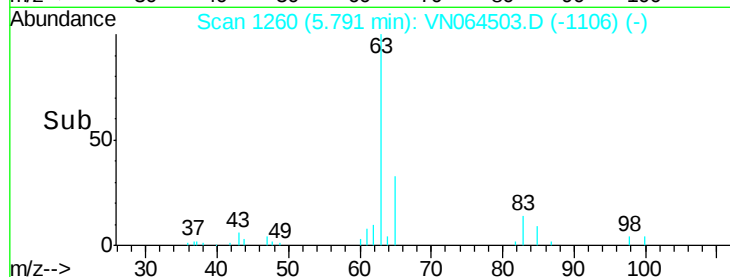
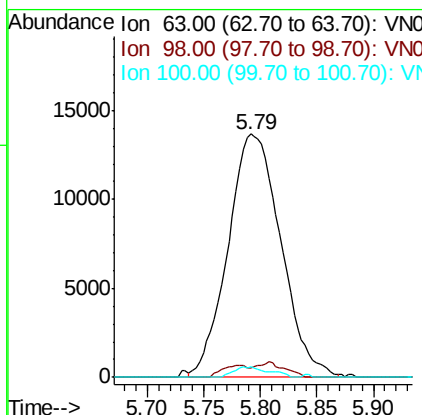
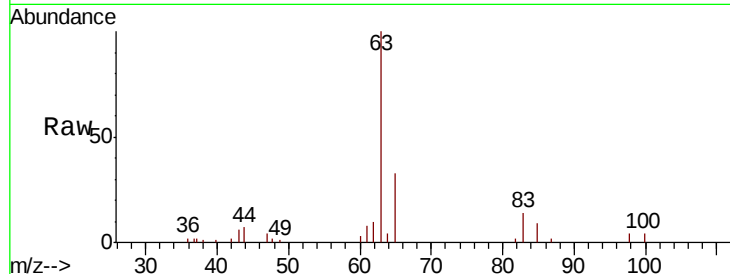
#21
 1,1-Dichloroethane
 Concen: 5.320 ug/l
 RT: 5.79 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.6	8.0
100	4.3	1.7	5.1

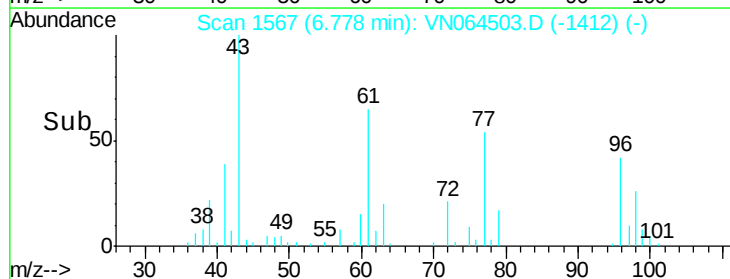
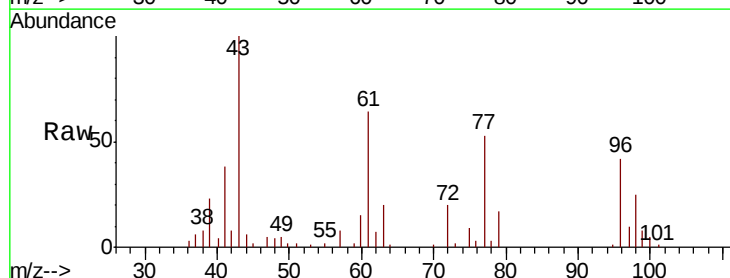
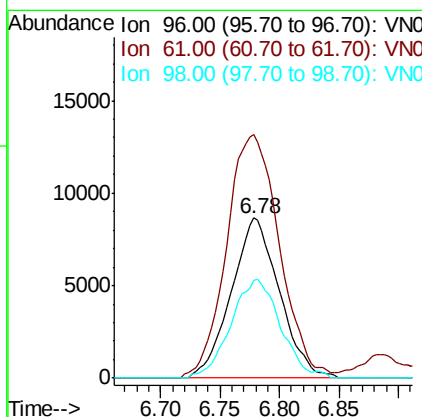
Manual Integrations
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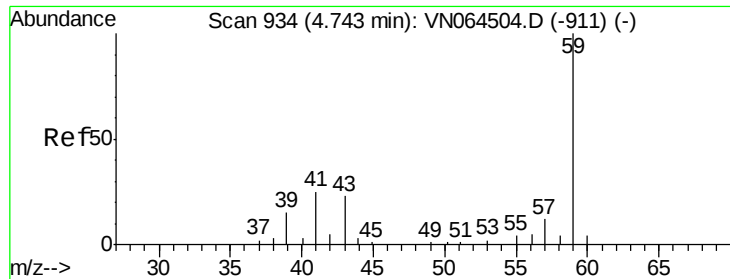
MMDadoda
 11/10/2020 1:10:26 PM



#22
 cis-1,2-Dichloroethene
 Concen: 4.799 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.7	136.1	204.1
98	62.5	51.8	77.8





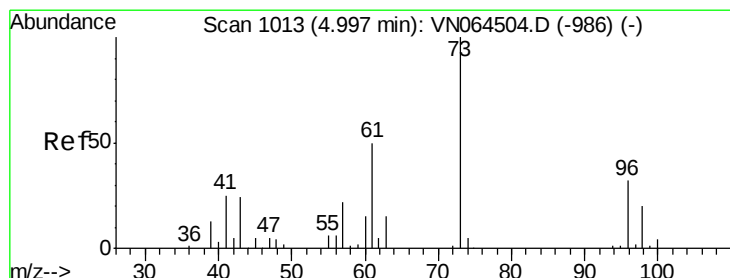
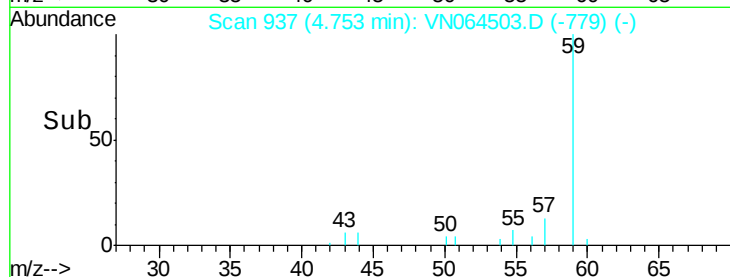
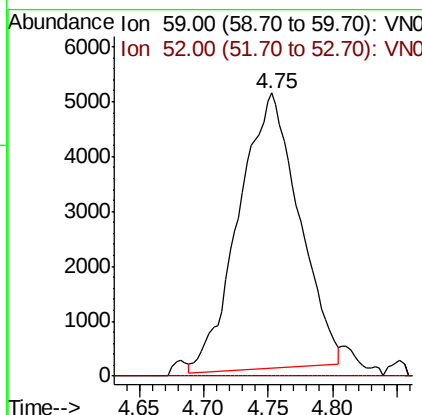
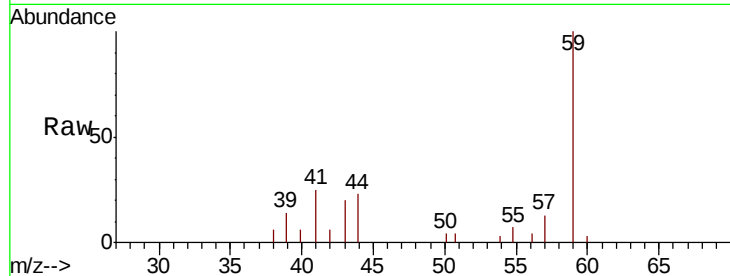
#23
tert-Butyl Alcohol
Concen: 23.164 ug/l
RT: 4.75 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

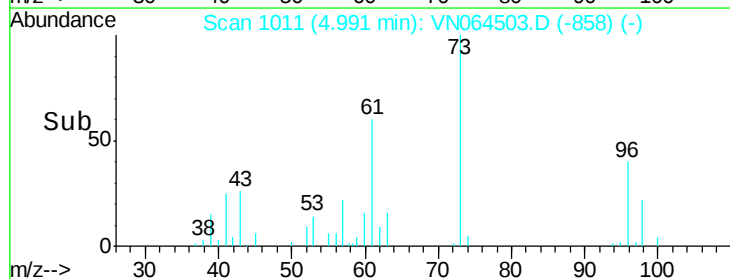
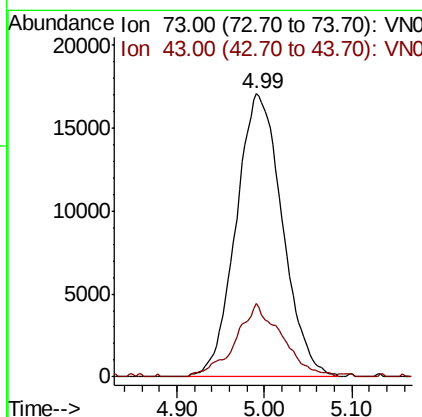
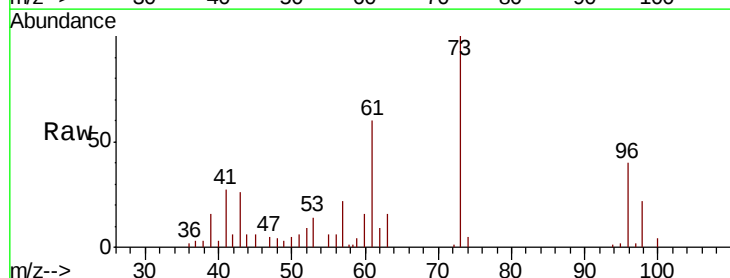
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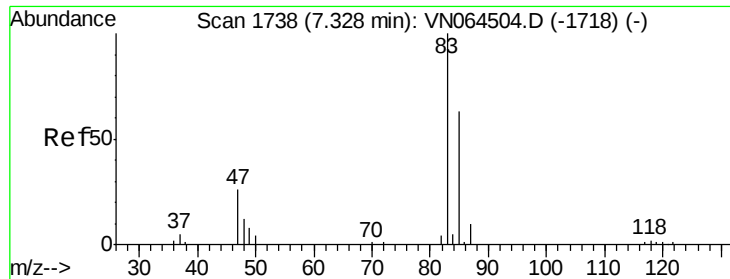
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#24
Methyl tert-Butyl Ether
Concen: 4.509 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
73	100		
43	25.8	10.2	15.2





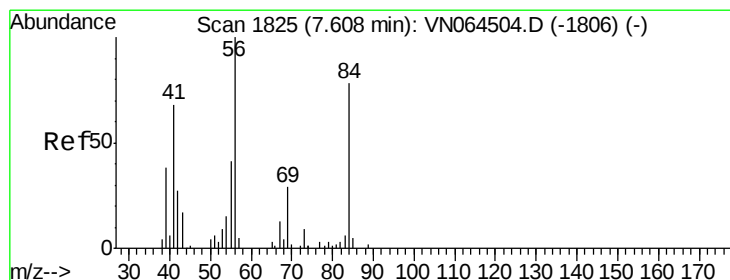
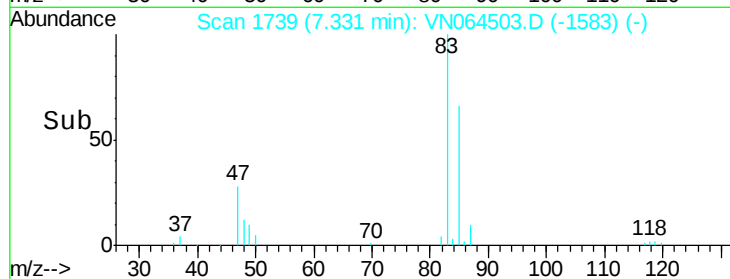
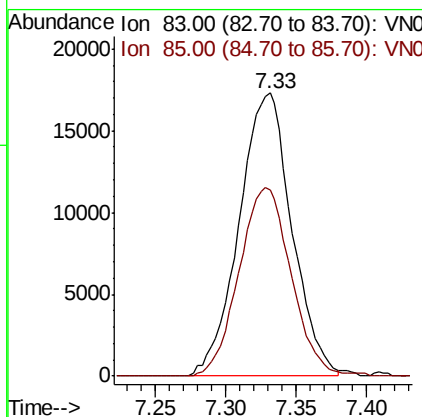
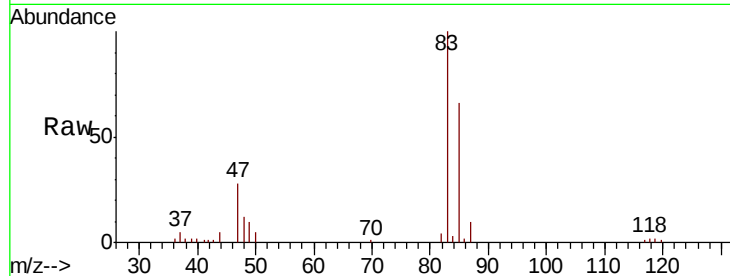
#25
Chloroform
Concen: 5.052 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	45228
Ion Ratio	100	Lower	Upper
83	100		
85	65.8	50.6	75.8

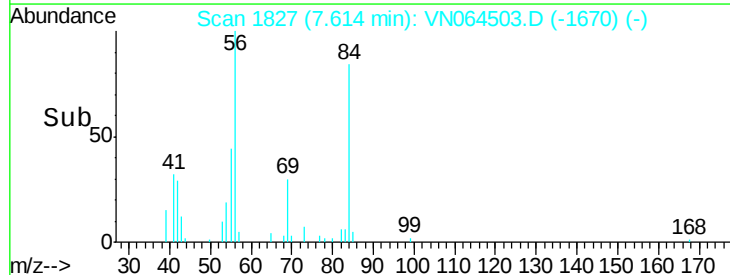
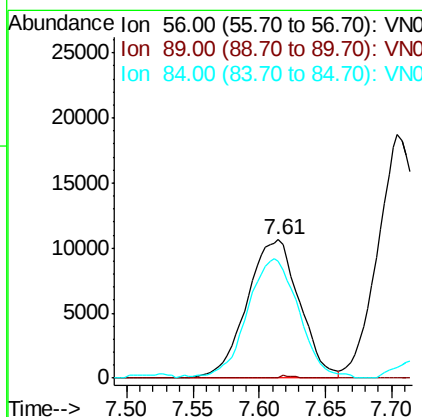
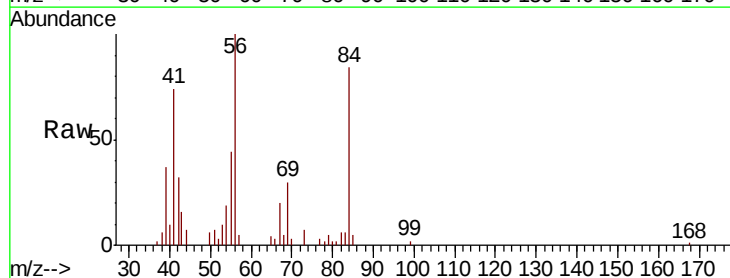
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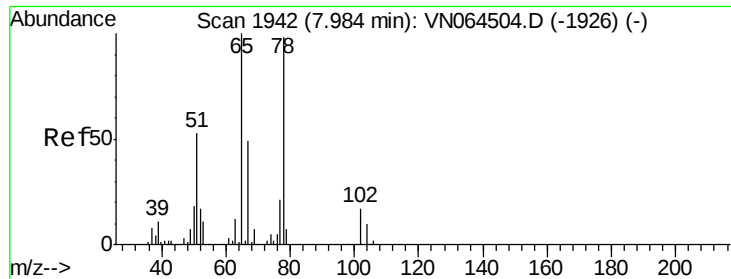
MMDadoda
11/10/2020 1:10:26 PM



#26
Cyclohexane
Concen: 4.451 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion	56	Resp	29346
Ion Ratio	100	Lower	Upper
56	100		
89	0.3	0.6	0.8#
84	84.4	66.1	99.1





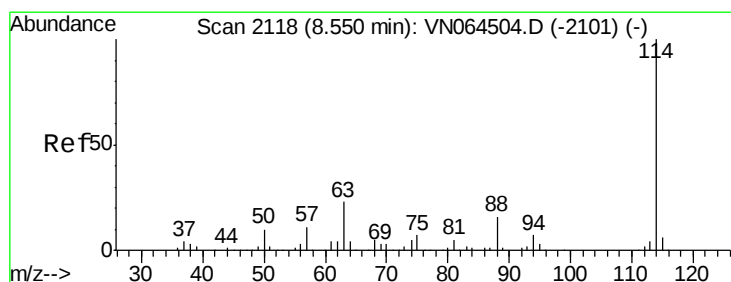
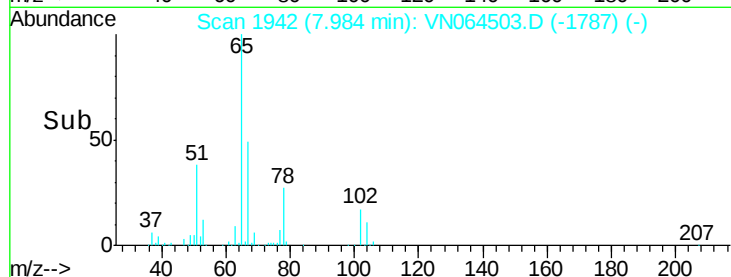
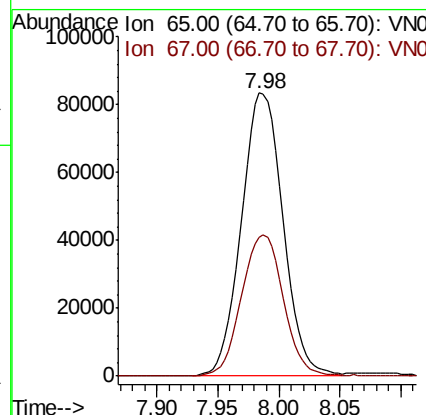
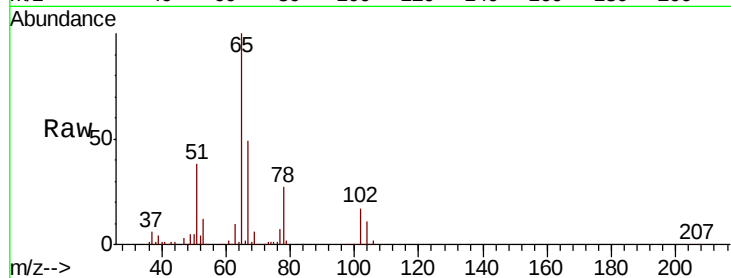
#27
 1,2-Dichloroethane-d4
 Concen: 32.819 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 197206
 Ion Ratio Lower Upper
 65 100
 67 50.1 41.1 61.7

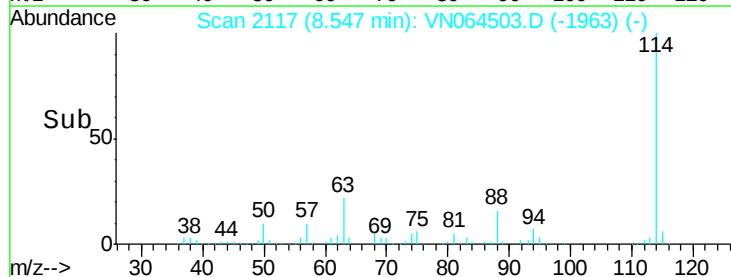
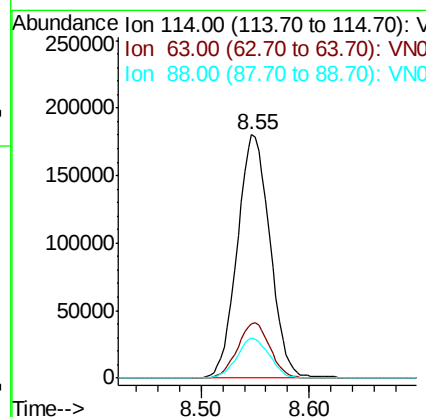
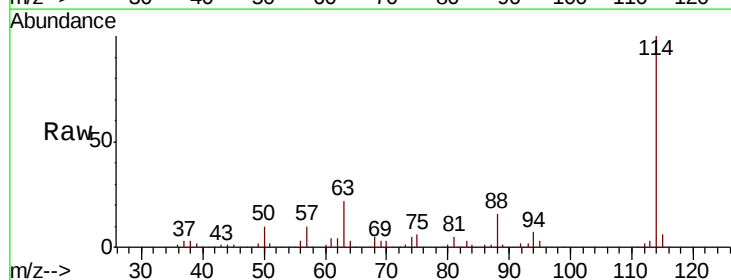
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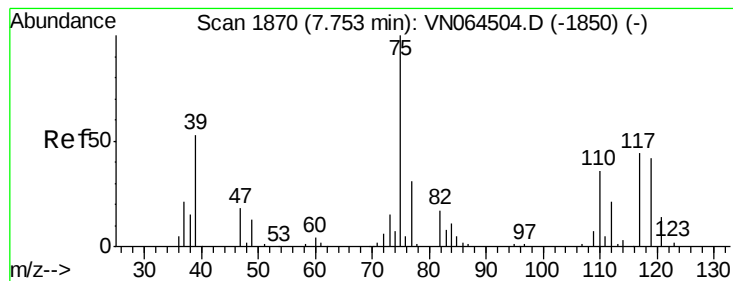
MMDadoda
 11/10/2020 1:10:26 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Tgt Ion: 114 Resp: 381194
 Ion Ratio Lower Upper
 114 100
 63 22.4 18.5 27.7
 88 16.2 13.0 19.6





#29

1,1-Dichloropropene

Concen: 4.986 ug/l

RT: 7.75 min Scan# 1870

Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Instrument :

MSVOA_N

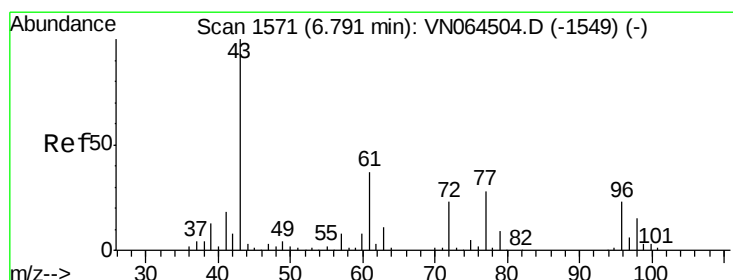
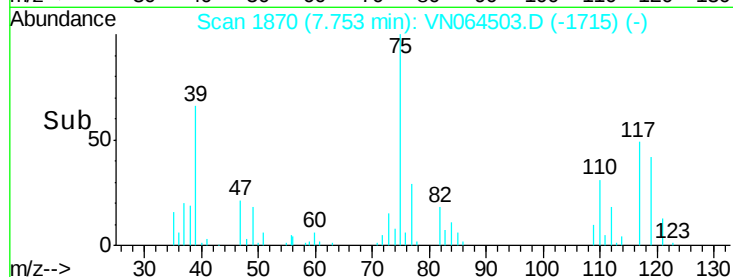
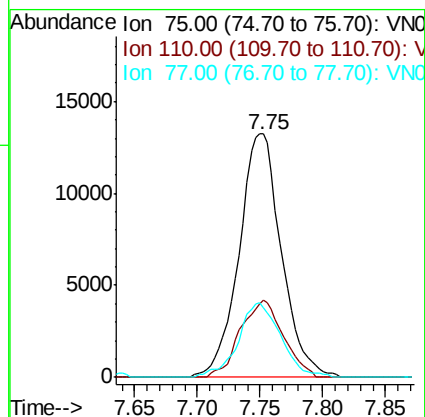
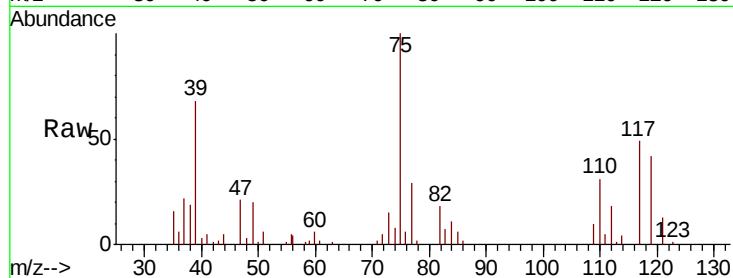
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	31076
Ion Ratio	Lower	Upper	
75	100		
110	32.2	0.0	66.4
77	29.9	0.0	62.0

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#30

2-Butanone

Concen: 26.676 ug/l

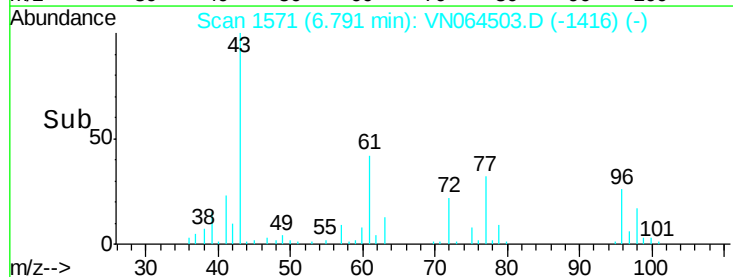
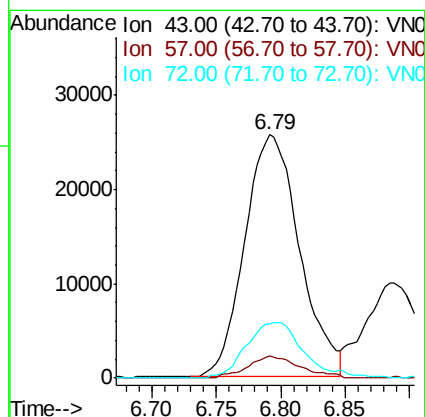
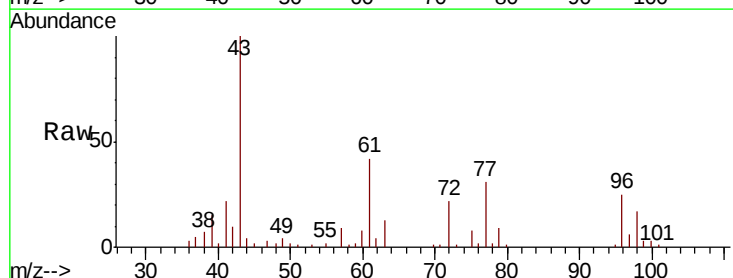
RT: 6.79 min Scan# 1571

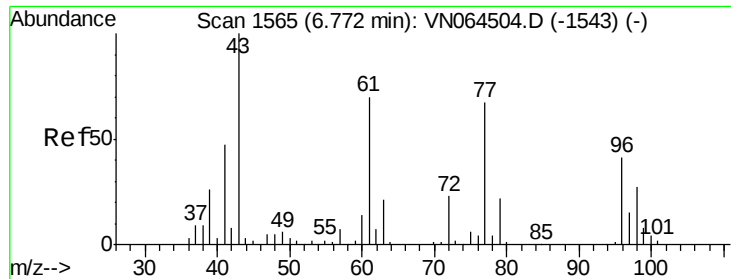
Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Tgt Ion:	43	Resp:	76060
Ion Ratio	Lower	Upper	
43	100		
57	8.1	6.2	9.4
72	22.9	9.9	14.9#





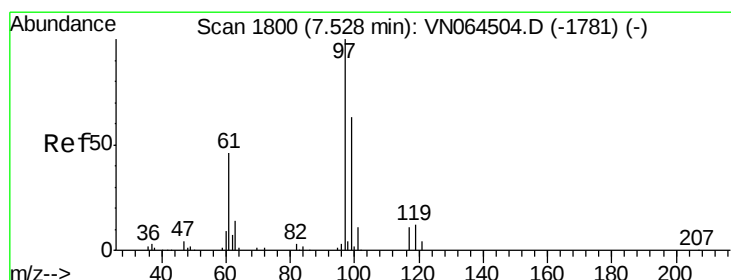
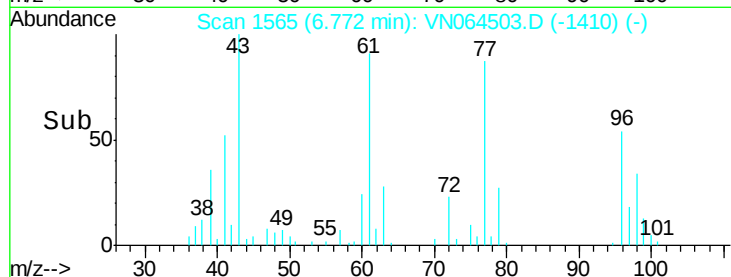
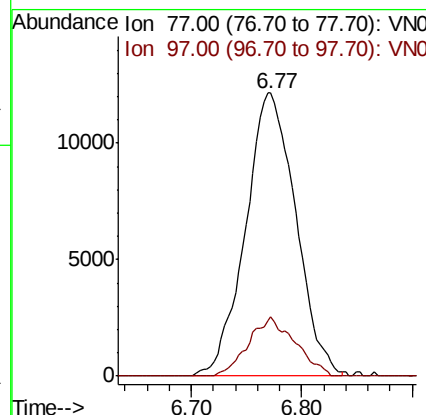
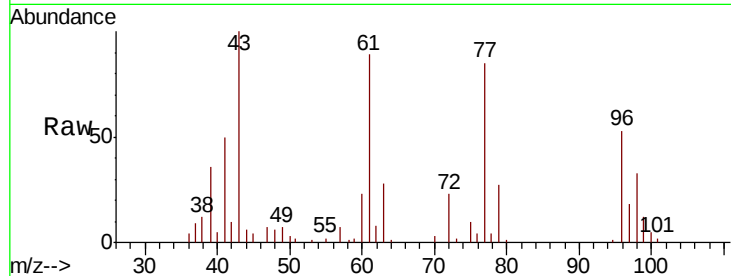
#31
 2,2-Dichloropropane
 Concen: 5.066 ug/l
 RT: 6.77 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 77 Resp: 38422
 Ion Ratio Lower Upper
 77 100
 97 1.5 16.9 25.3#

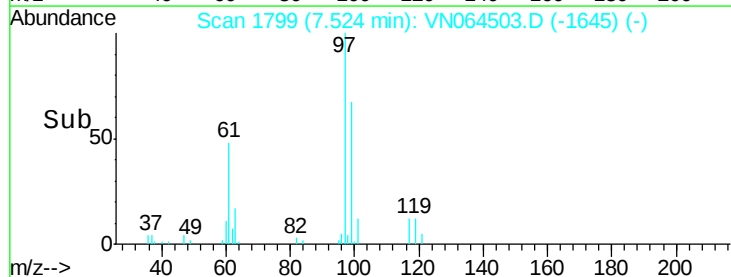
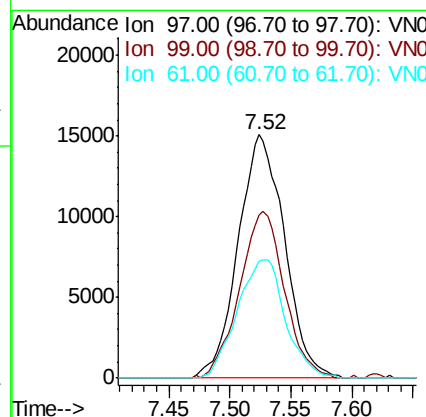
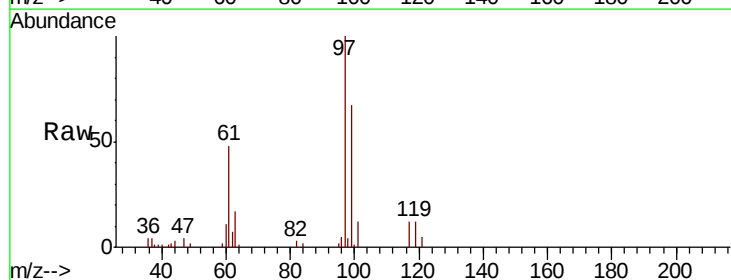
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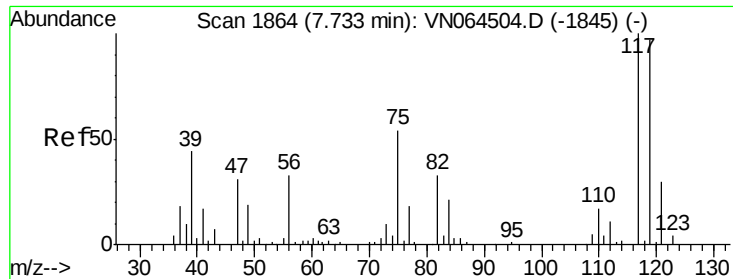
MMDadoda
 11/10/2020 1:10:26 PM



#32
 1,1,1-Trichloroethane
 Concen: 4.949 ug/l
 RT: 7.52 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Tgt Ion: 97 Resp: 39682
 Ion Ratio Lower Upper
 97 100
 99 66.0 51.8 77.8
 61 50.5 39.4 59.0





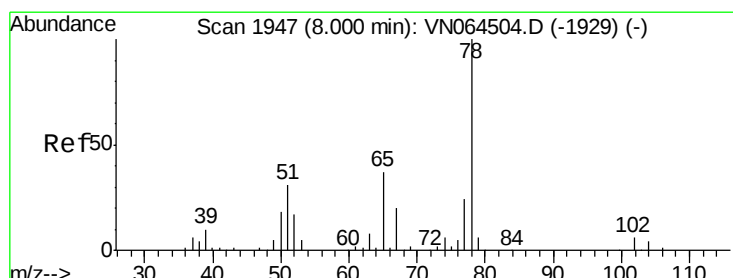
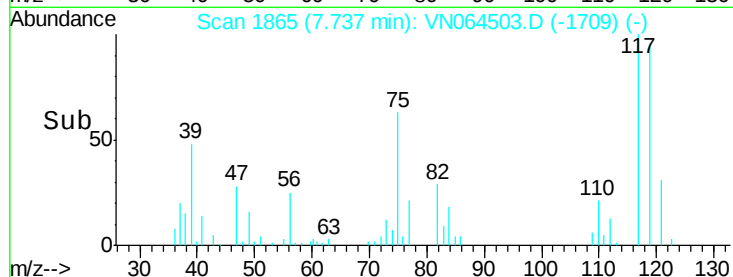
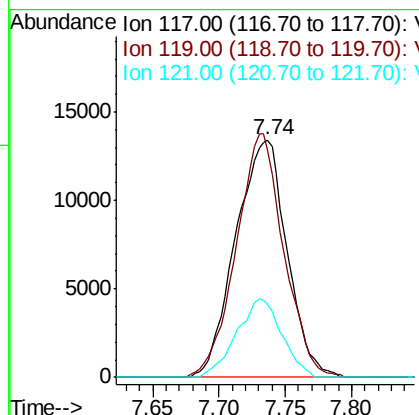
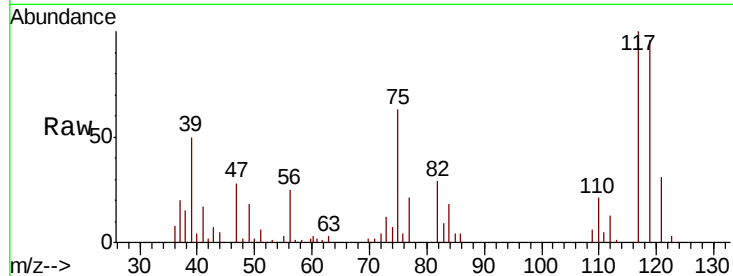
#33
Carbon Tetrachloride
Concen: 5.009 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.9	116.9
121	31.0	24.0	36.0

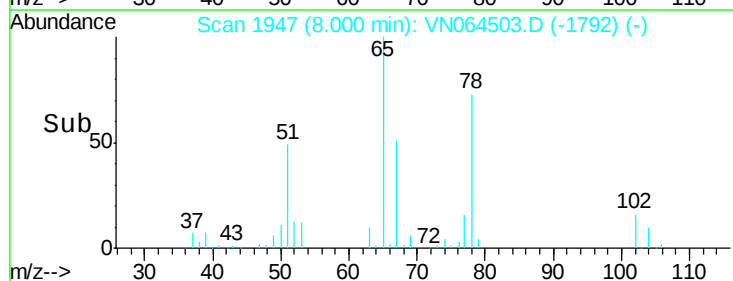
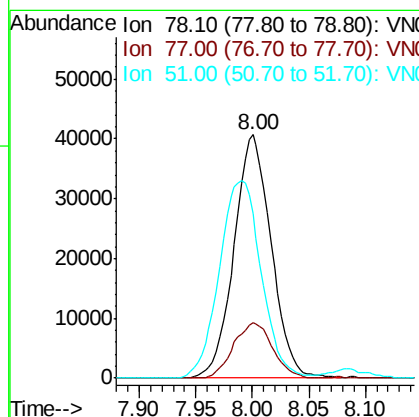
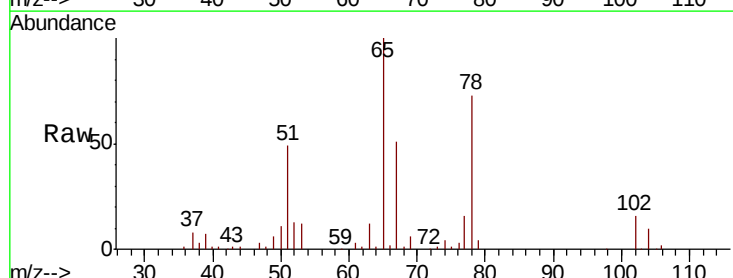
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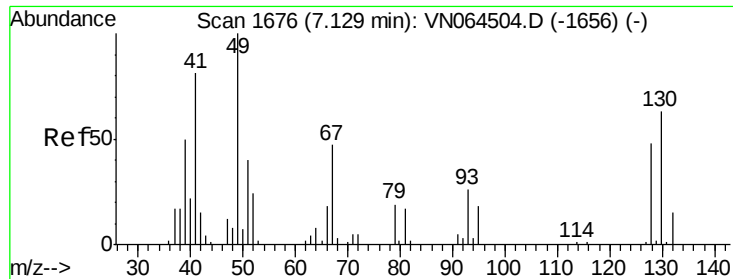
MMDadoda
11/10/2020 1:10:26 PM



#34
Benzene
Concen: 5.286 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.9	28.3
51	64.6	24.6	36.8#





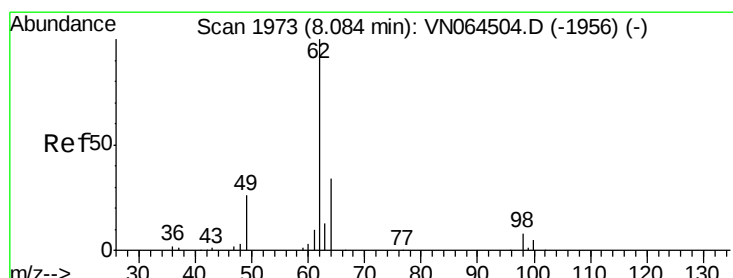
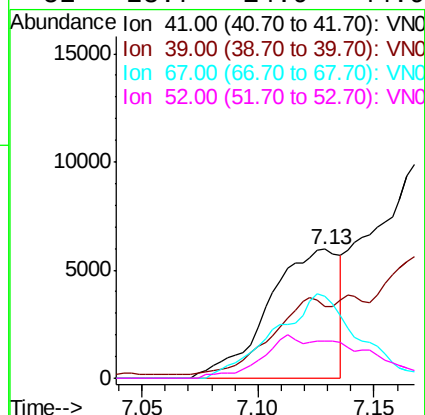
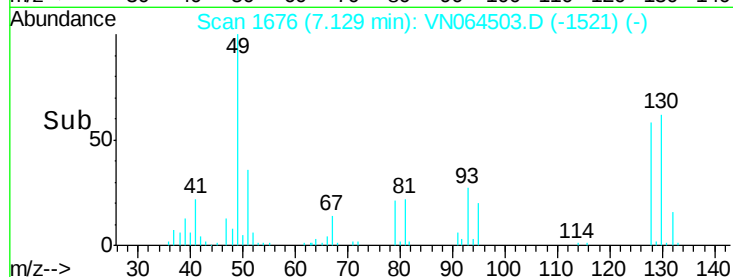
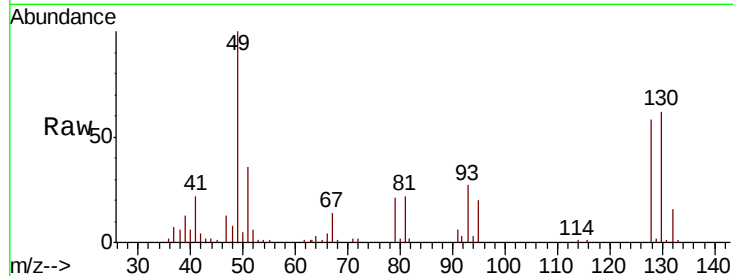
#35
Methacrylonitrile
Concen: 4.551 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	12642
Ion	Ratio	Lower	Upper
41	100		
39	52.8	30.0	90.1
67	63.4	29.2	87.6
52	28.7	14.9	44.9

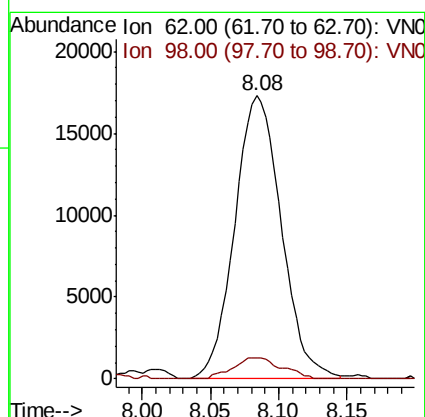
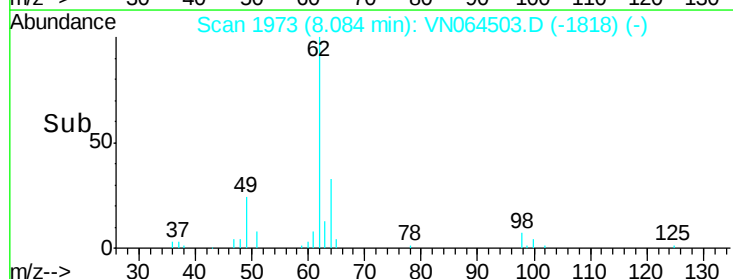
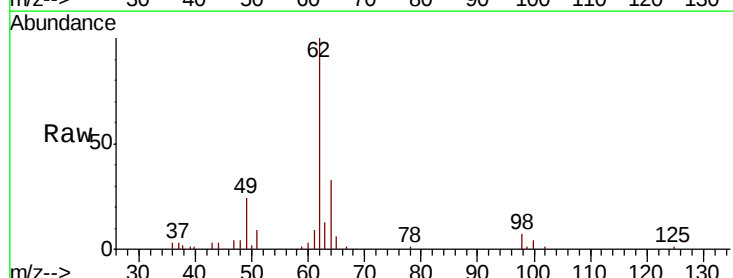
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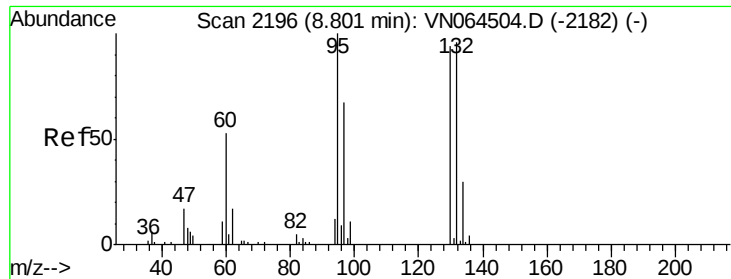
MMDadoda
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#36
1,2-Dichloroethane
Concen: 5.663 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion:	62	Resp:	41139
Ion	Ratio	Lower	Upper
62	100		
98	7.8	5.5	8.3





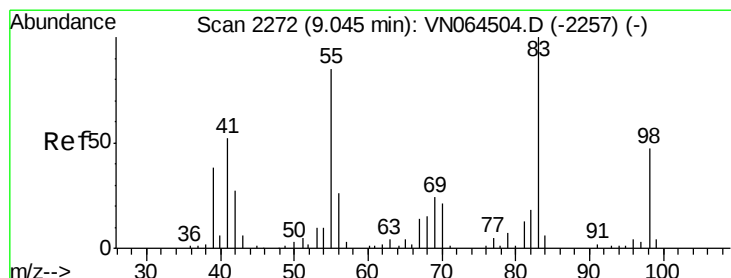
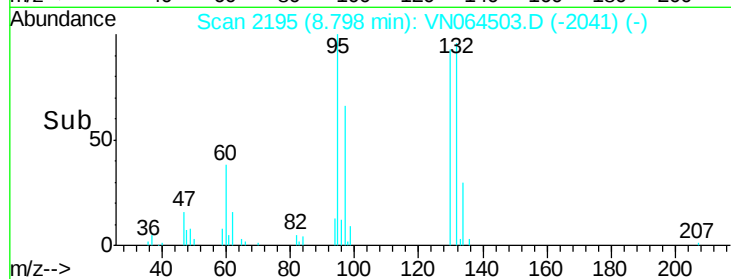
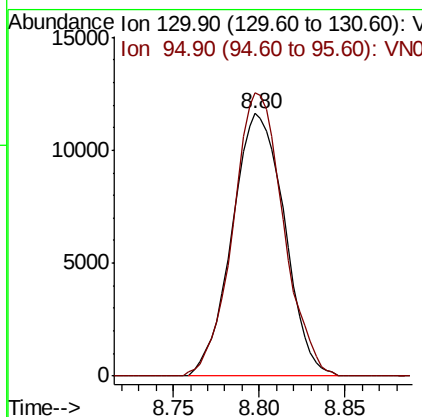
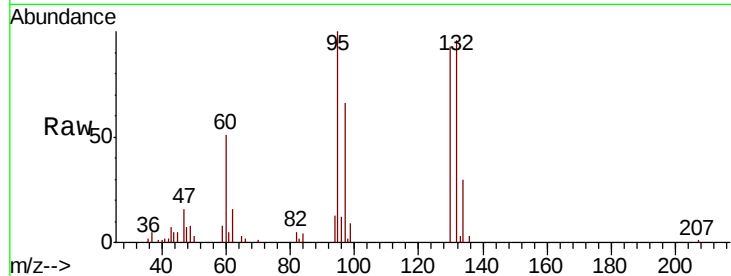
#37
 Trichloroethene
 Concen: 5.086 ug/l
 RT: 8.80 min Scan# 2195
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:130 Resp: 24702
 Ion Ratio Lower Upper
 130 100
 95 107.8 85.1 127.7

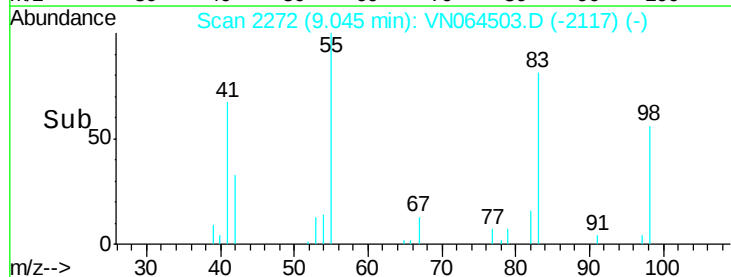
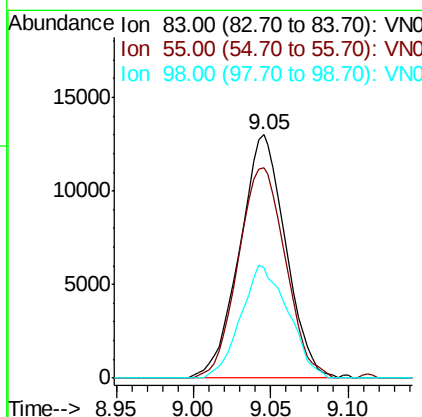
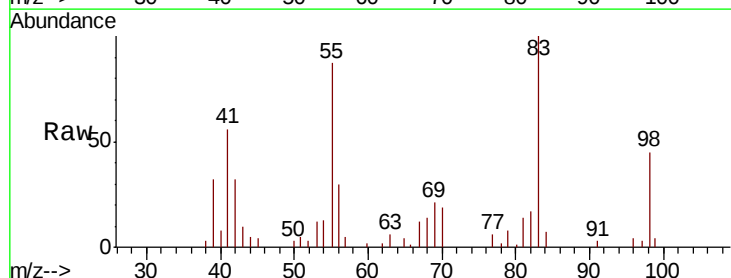
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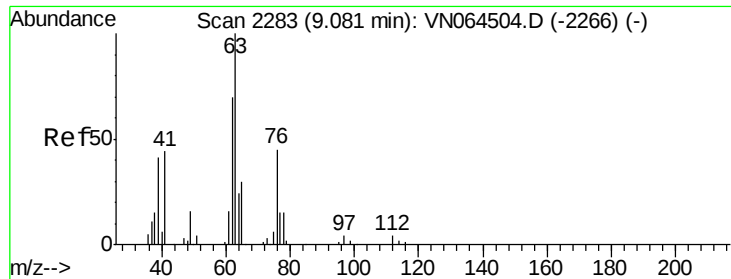
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 11/10/2020 1:10:26 PM



#38
 Methylcyclohexane
 Concen: 4.803 ug/l
 RT: 9.05 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Tgt Ion: 83 Resp: 26911
 Ion Ratio Lower Upper
 83 100
 55 88.9 42.0 126.1
 98 47.5 22.5 67.5





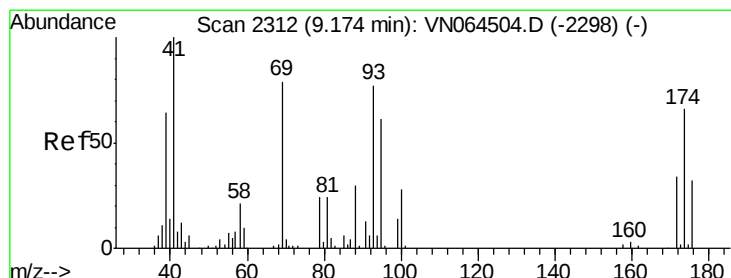
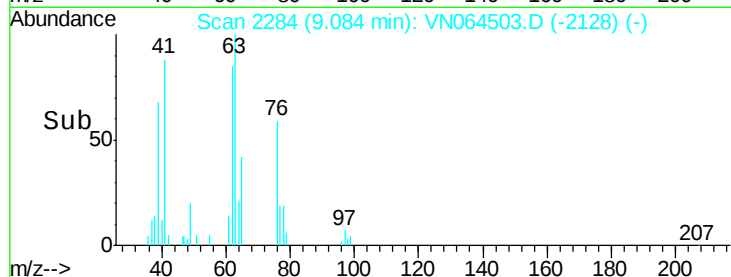
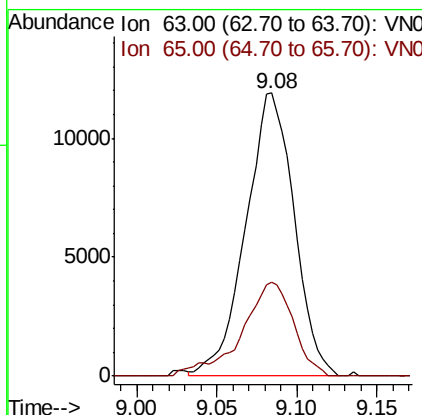
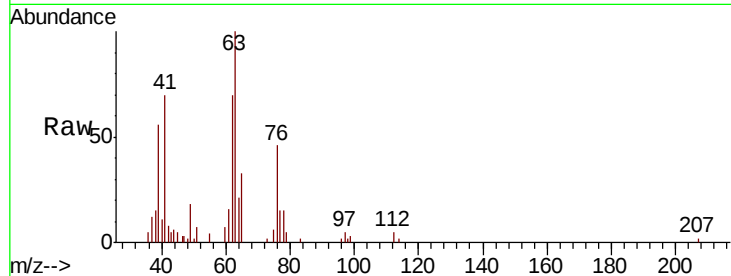
#39
 1,2-Dichloropropane
 Concen: 5.408 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 24755
 Ion Ratio Lower Upper
 63 100
 65 33.3 24.4 36.6

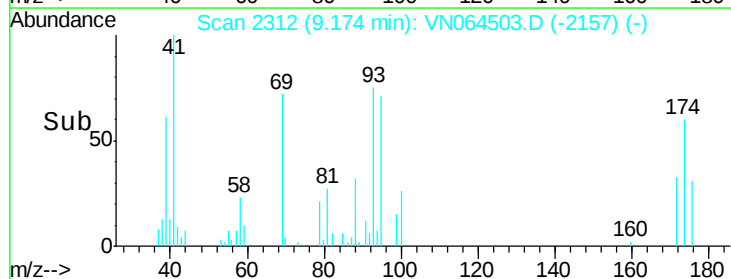
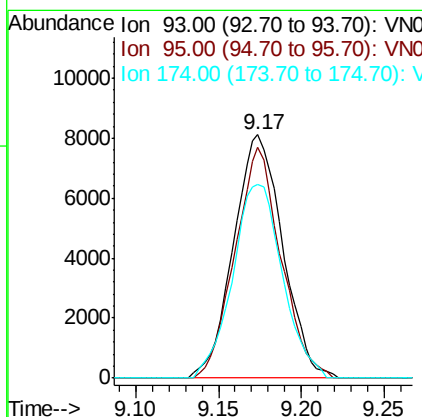
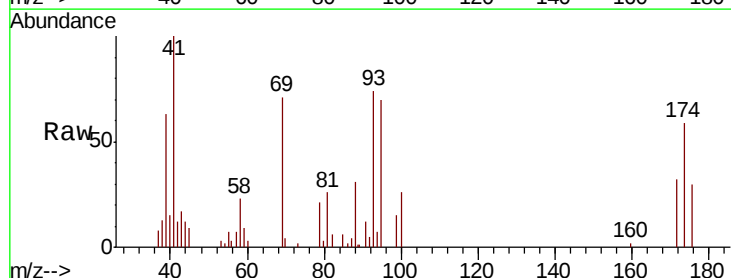
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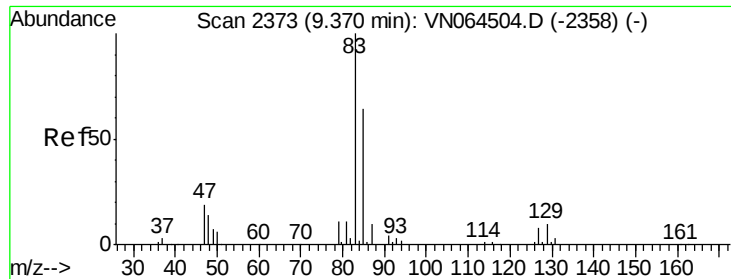
MMDadoda
 11/10/2020 1:10:26 PM



#40
 Dibromomethane
 Concen: 5.112 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Tgt Ion: 93 Resp: 16695
 Ion Ratio Lower Upper
 93 100
 95 88.8 0.0 164.6
 174 81.0 0.0 165.6





#41

Bromodichloromethane

Concen: 5.317 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Instrument :

MSVOA_N

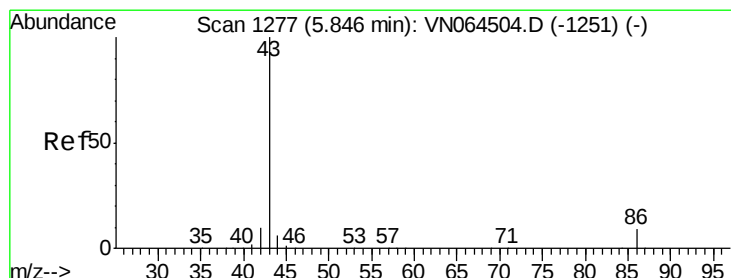
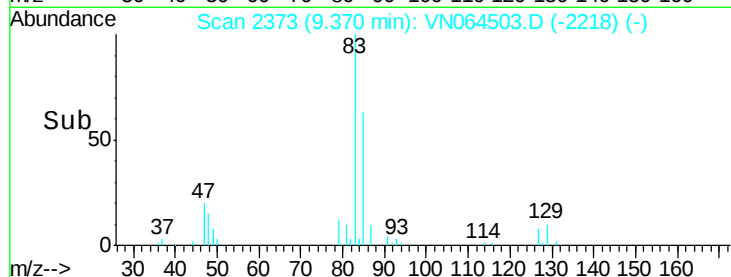
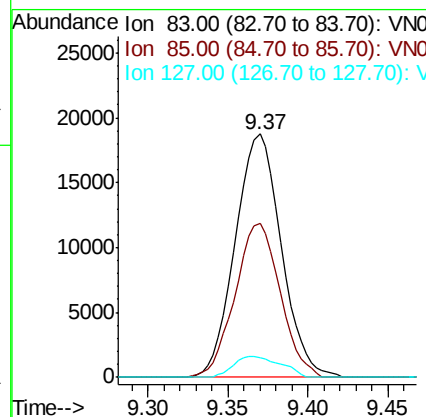
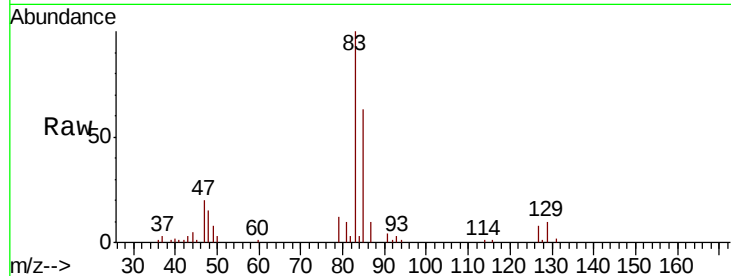
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	36816
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.0	76.4
127	9.6	6.2	9.4#

Manual Integrations
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#42

Vinyl Acetate

Concen: 24.446 ug/l

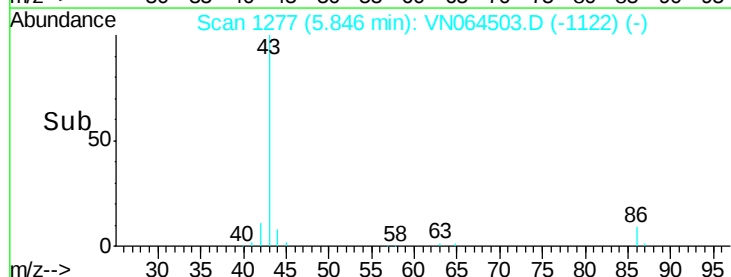
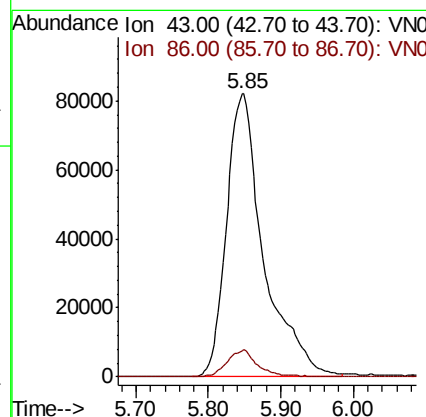
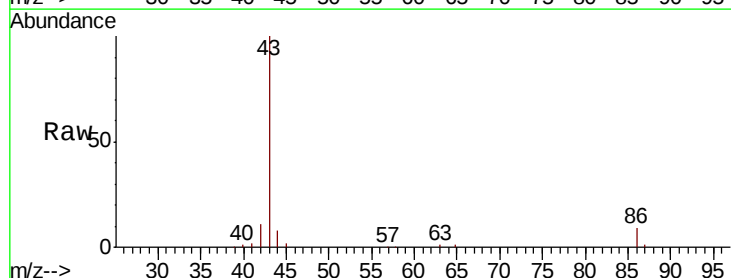
RT: 5.85 min Scan# 1277

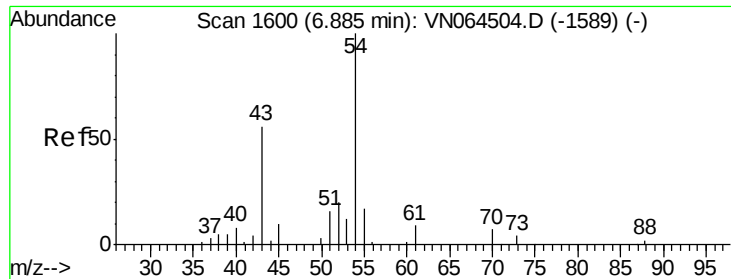
Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Tgt Ion:	43	Resp:	291730
Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.3	9.5





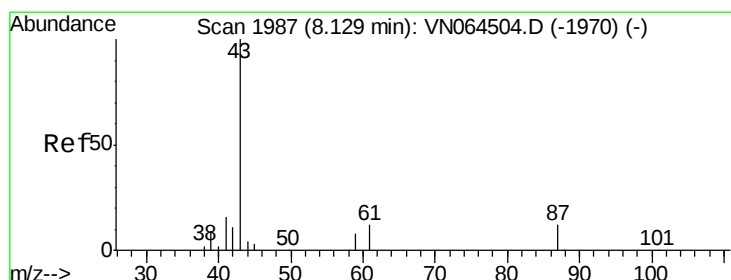
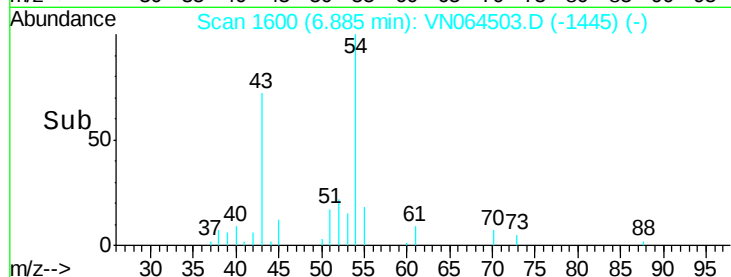
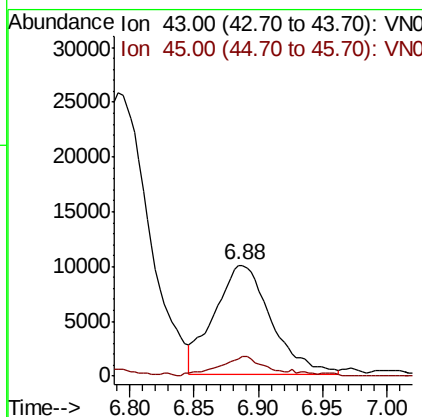
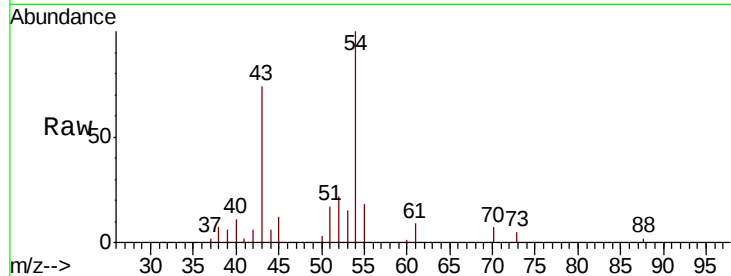
#43
Ethyl Acetate
Concen: 5.505 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 30483
Ion Ratio Lower Upper
43 100
45 14.5 10.9 16.3

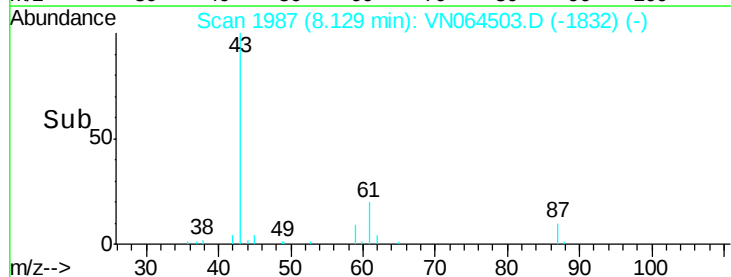
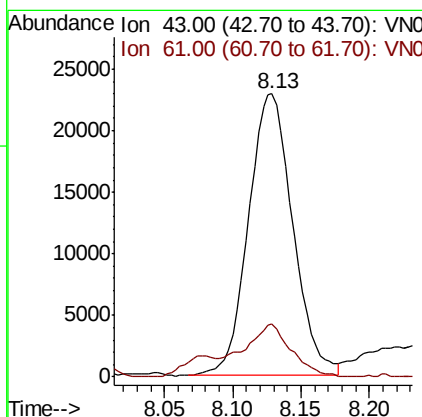
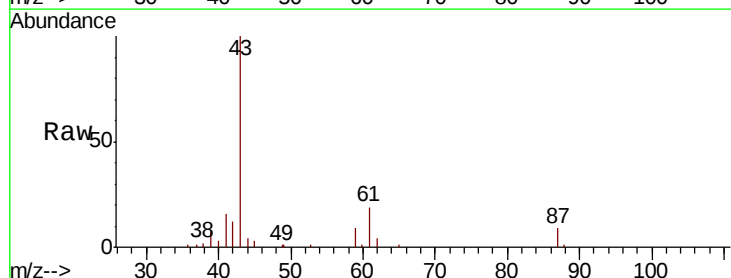
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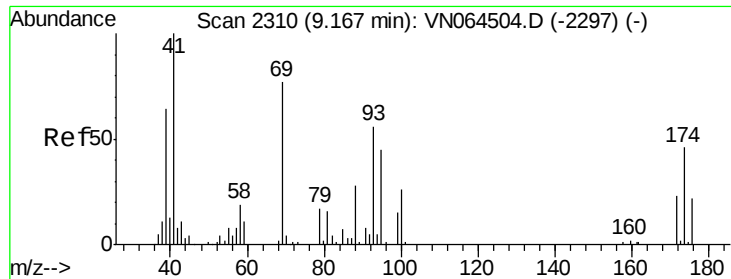
MMDadoda
11/10/2020 1:10:26 PM



#44
Isopropyl Acetate
Concen: 5.311 ug/l
RT: 8.13 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion: 43 Resp: 51432
Ion Ratio Lower Upper
43 100
61 16.4 13.0 19.4





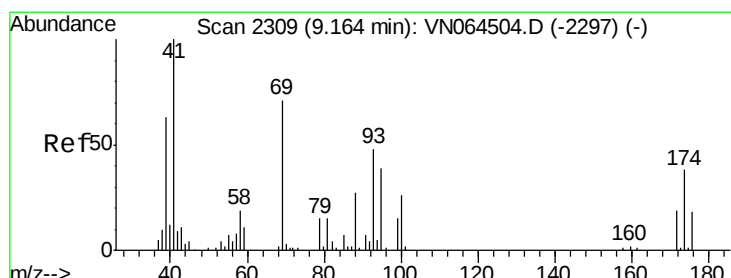
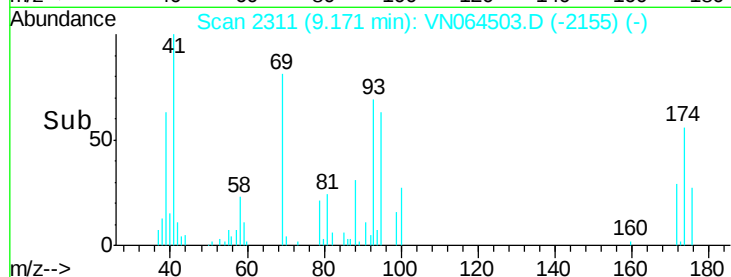
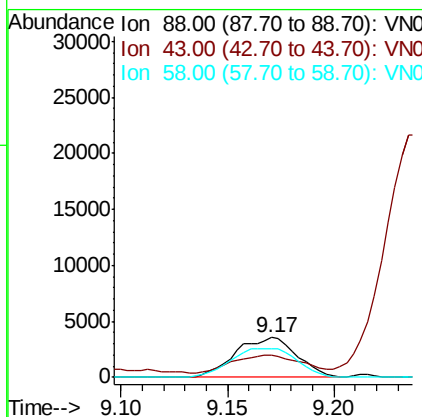
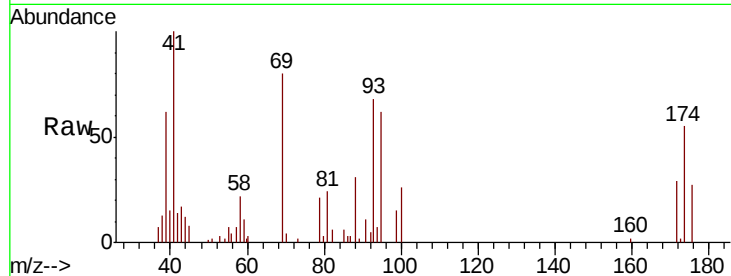
#45
 1,4-Dioxane
 Concen: 102.423 ug/l m
 RT: 9.17 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	49.0	30.6	46.0#
58	0.0	57.9	86.9#

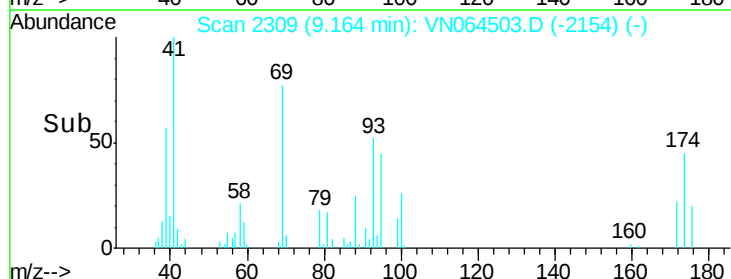
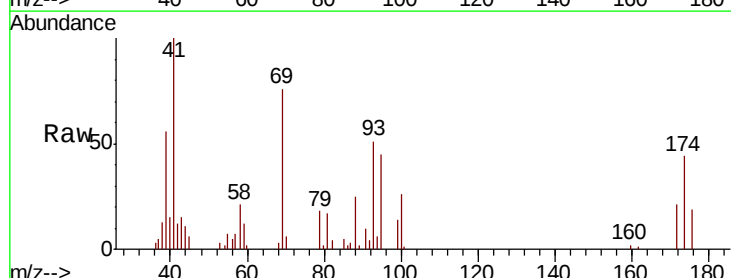
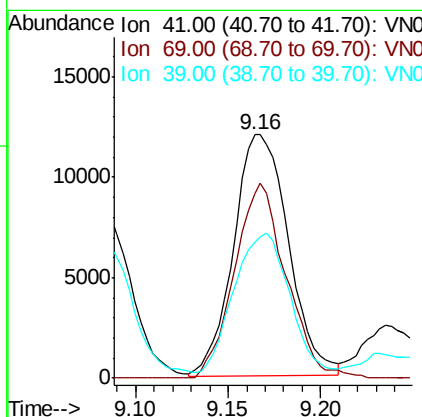
Manual Integrations
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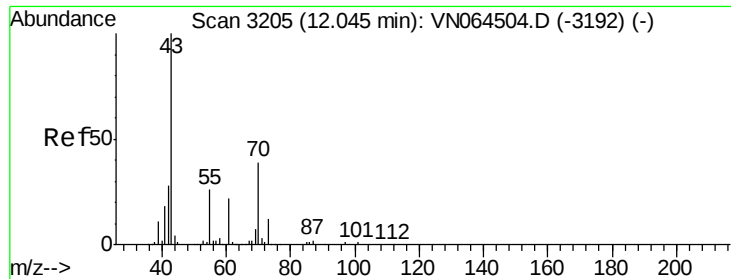
MMDadoda
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#46
 Methyl methacrylate
 Concen: 5.169 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.6	35.4	106.2
39	54.2	31.6	94.7





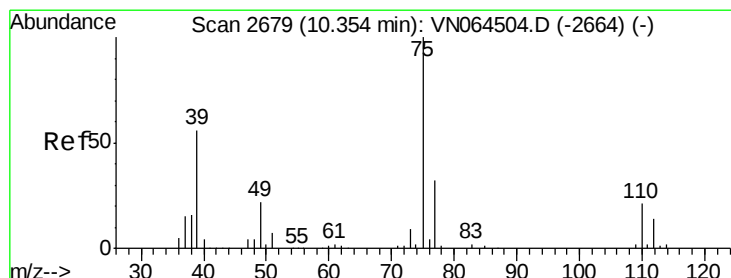
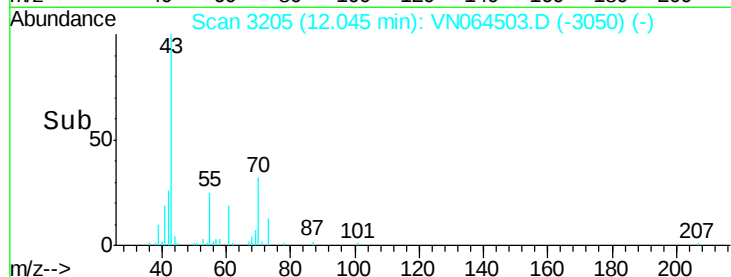
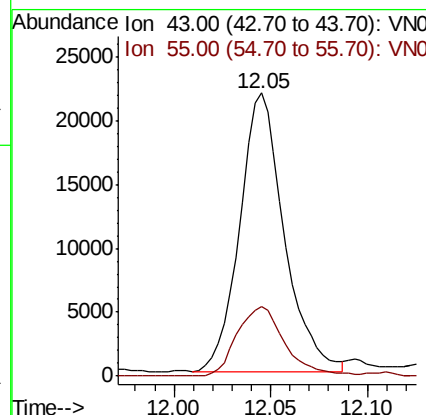
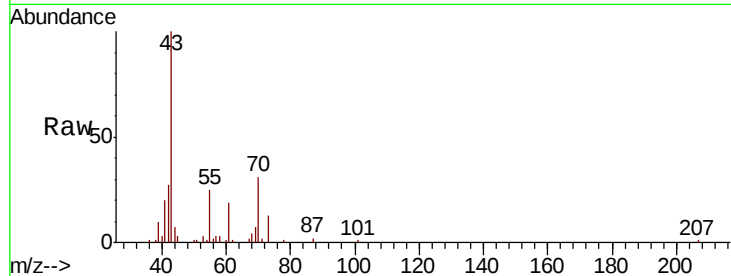
#47
n-amvl Acetate
Concen: 4.226 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 34893
Ion Ratio Lower Upper
43 100
55 26.7 19.2 28.8

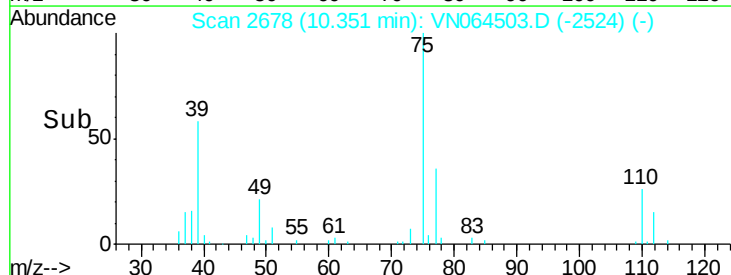
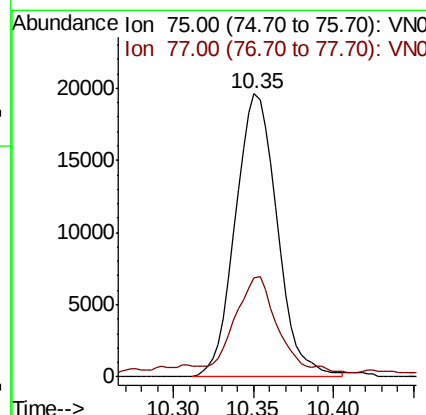
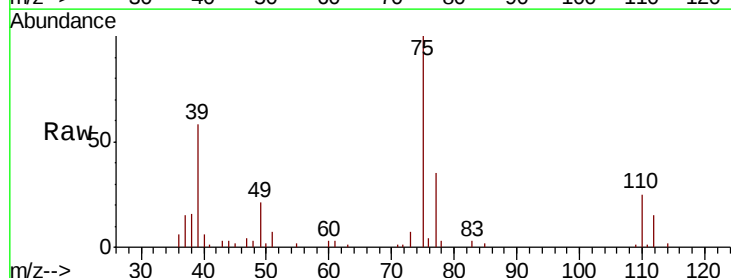
Manual Integrations
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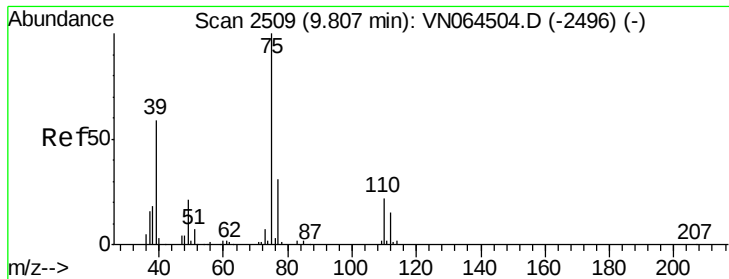
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#48
t-1,3-Dichloropropene
Concen: 4.612 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion: 75 Resp: 35035
Ion Ratio Lower Upper
75 100
77 33.2 25.8 38.6





#49

cis-1,3-Dichloropropene

Concen: 4.930 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Instrument :

MSVOA_N

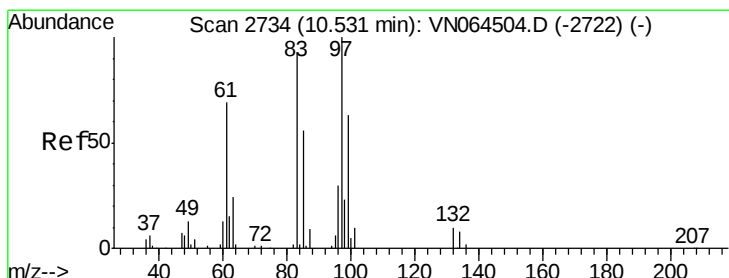
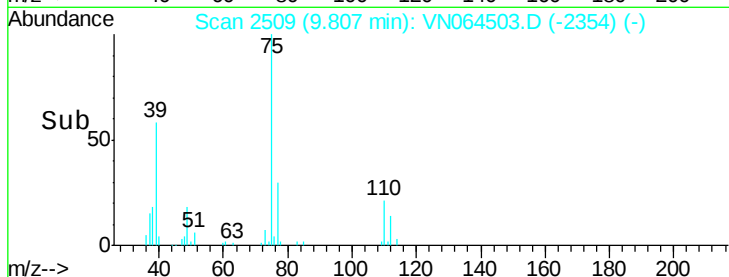
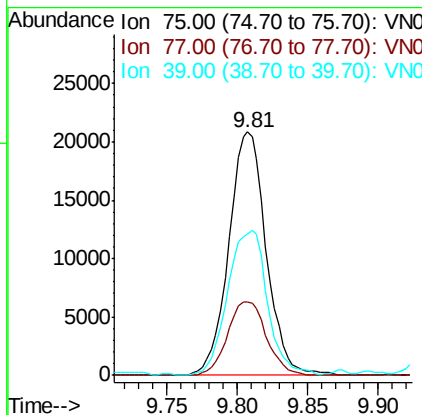
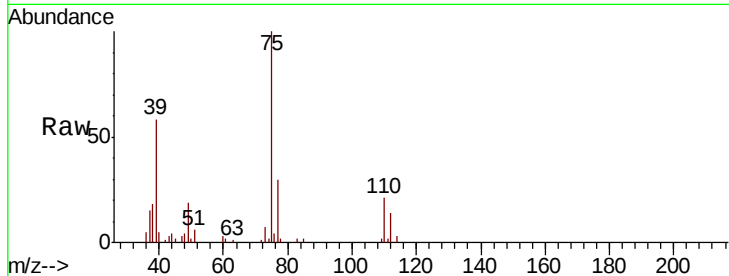
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	38720
Ion Ratio	Lower	Upper	
75	100		
77	30.1	24.8	37.2
39	58.2	47.4	71.0

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 5.405 ug/l

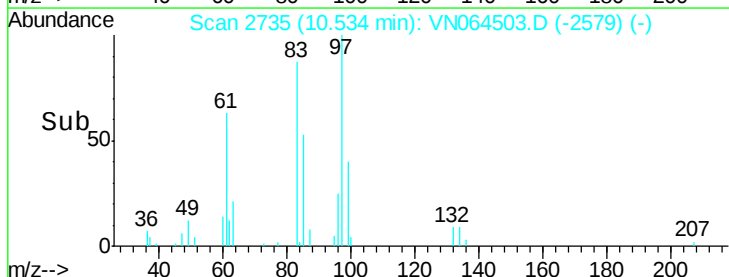
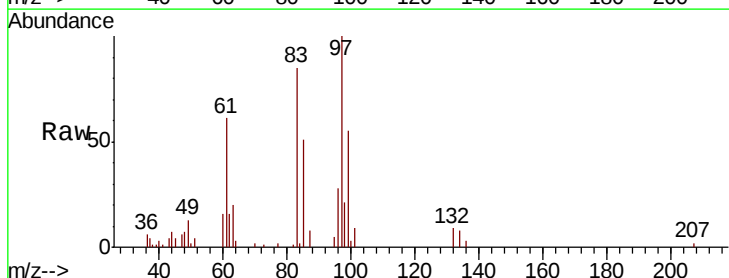
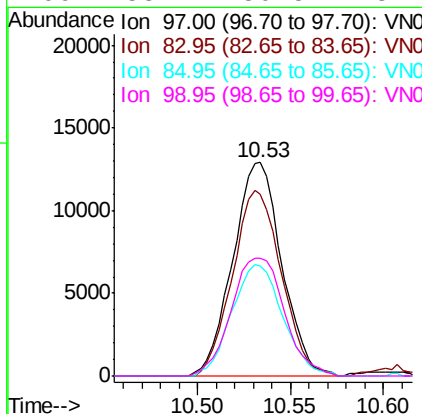
RT: 10.53 min Scan# 2735

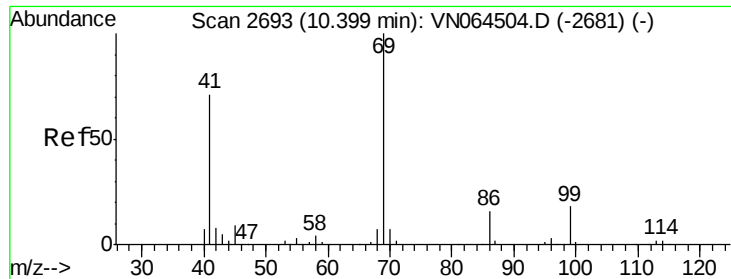
Delta R.T. 0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Tgt Ion:	97	Resp:	23656
Ion Ratio	Lower	Upper	
97	100		
83	84.8	74.2	111.4
85	51.4	44.8	67.2
99	55.4	50.5	75.7





#51

Ethyl methacrylate

Concen: 4.212 ug/l

RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Instrument :

MSVOA_N

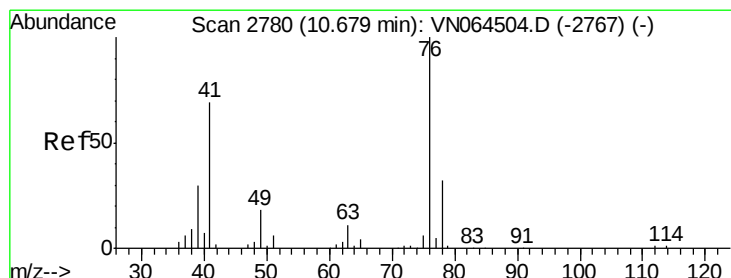
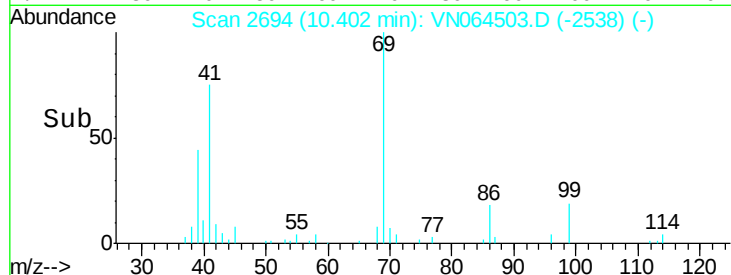
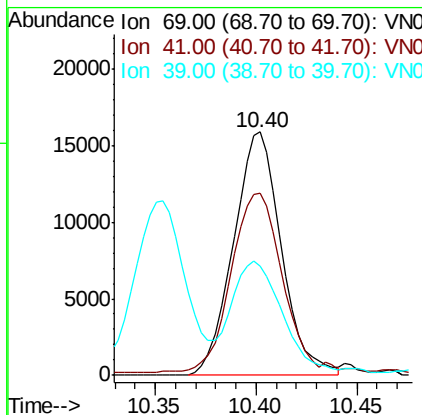
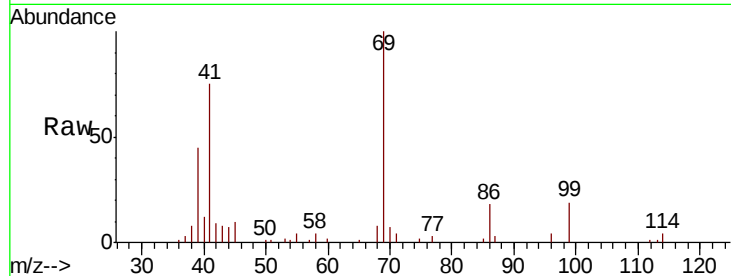
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	26429
Ion	Ratio	Lower	Upper
69	100		
41	72.7	35.4	106.1
39	42.7	24.1	72.2

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 5.344 ug/l

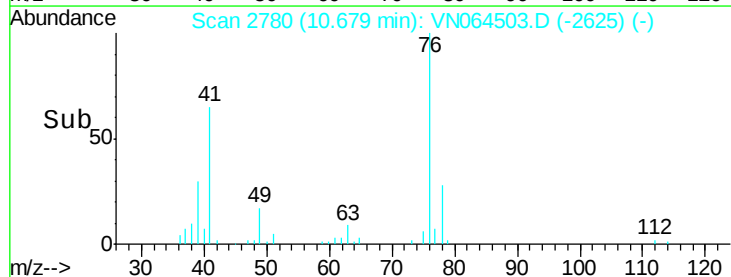
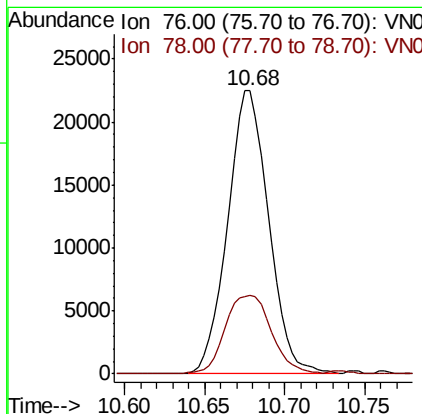
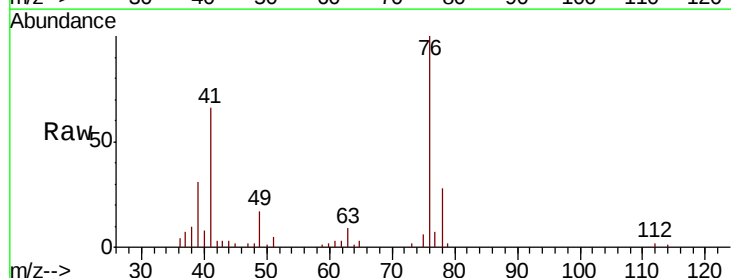
RT: 10.68 min Scan# 2780

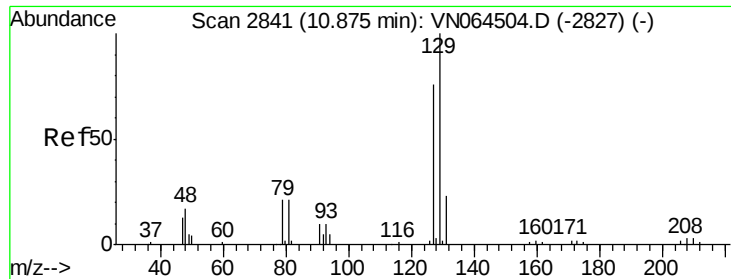
Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Tgt Ion:	76	Resp:	39392
Ion	Ratio	Lower	Upper
76	100		
78	31.4	0.0	65.2





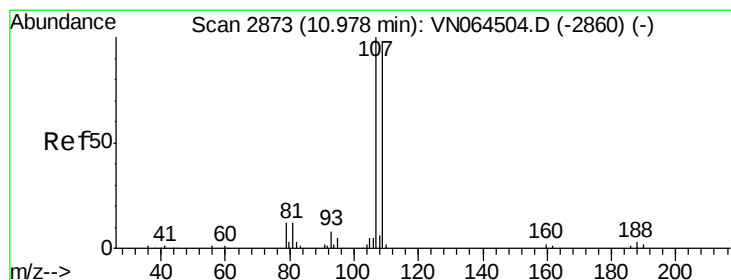
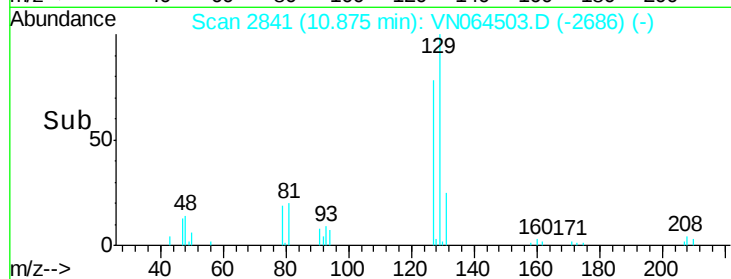
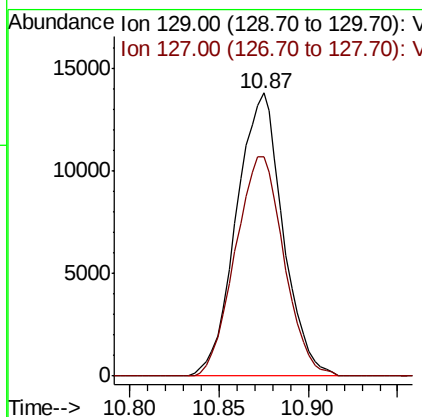
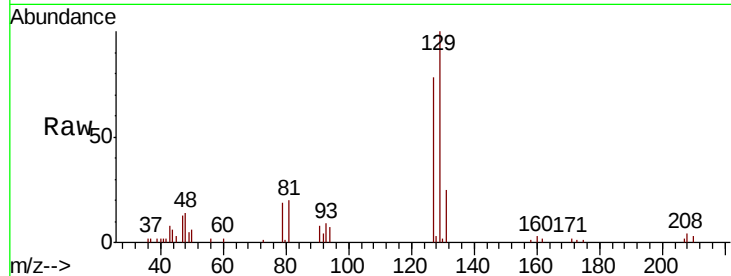
#53
Dibromochloromethane
Concen: 4.709 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:129 Resp: 25157
Ion Ratio Lower Upper
129 100
127 81.2 39.1 117.2

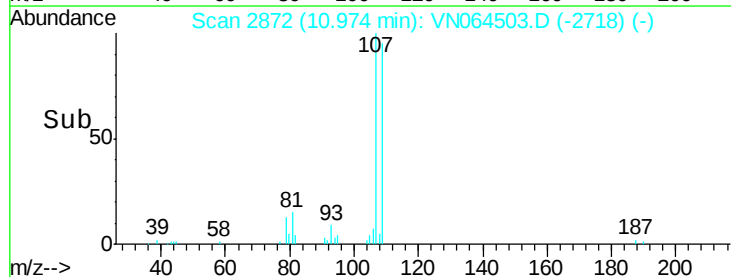
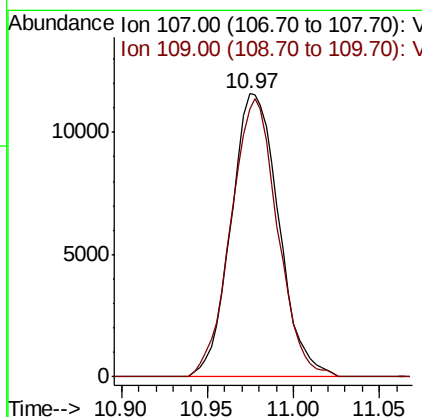
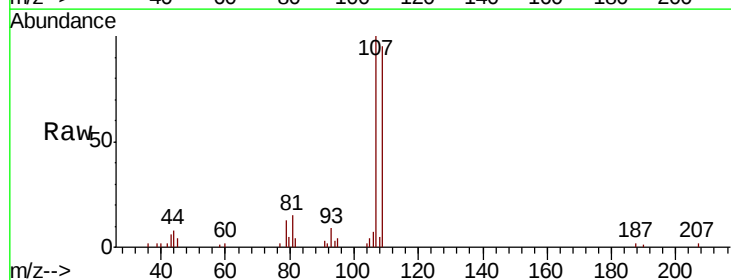
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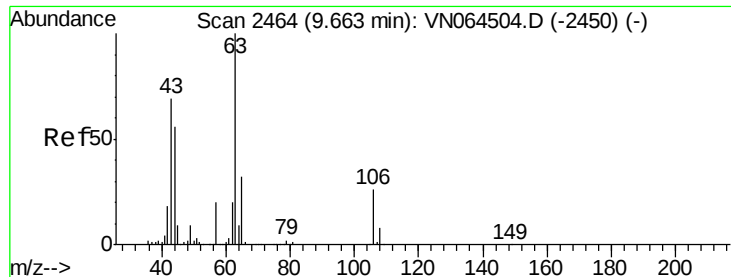
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#54
1,2-Dibromoethane
Concen: 4.806 ug/l
RT: 10.97 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion:107 Resp: 22281
Ion Ratio Lower Upper
107 100
109 95.9 77.2 115.8





#55

2-Chloroethyl vinyl ether

Concen: 21.011 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Instrument :

MSVOA_N

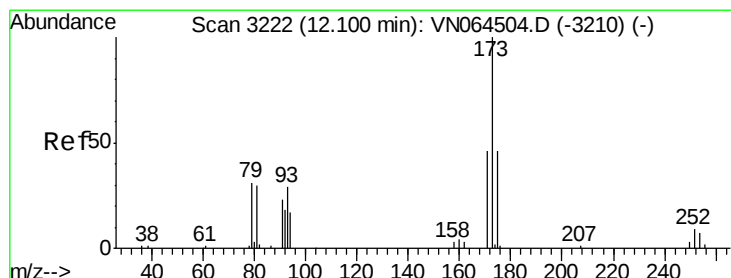
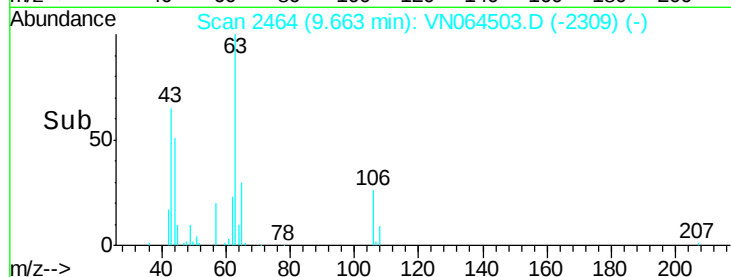
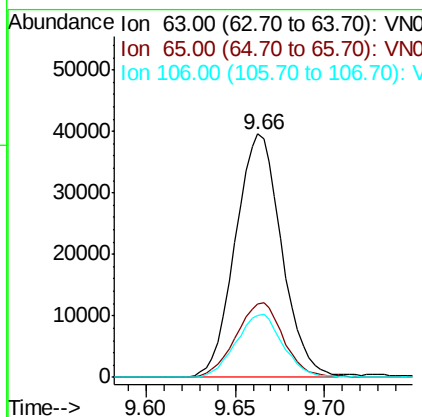
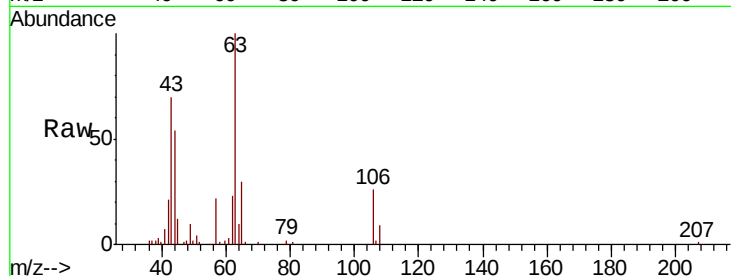
ClientSampleId :

VSTDIC005

Tot Ion:	63	Resp:	71811
Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.7	38.5
106	26.0	19.9	29.9

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#56

Bromoform

Concen: 4.113 ug/l

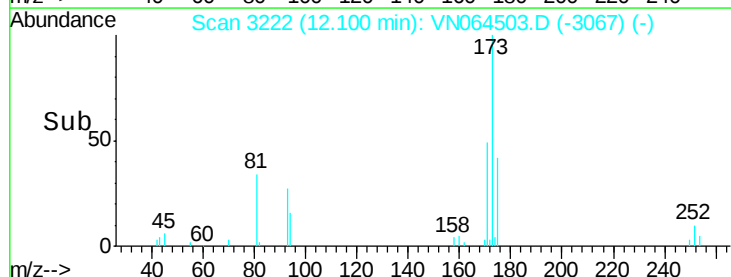
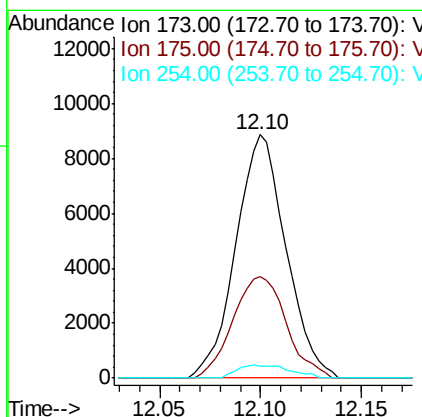
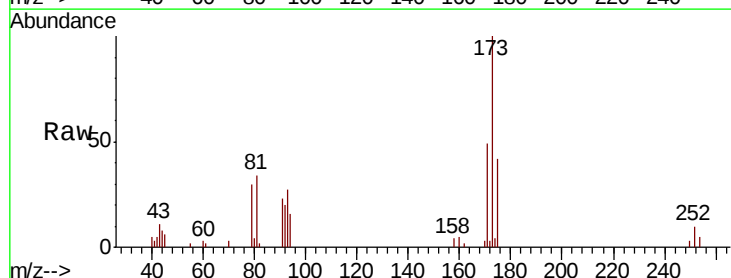
RT: 12.10 min Scan# 3222

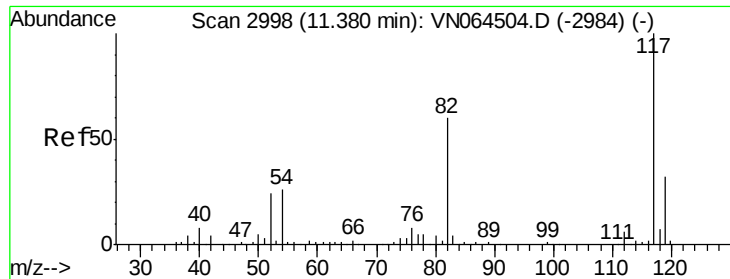
Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Tgt Ion:	173	Resp:	15418
Ion	Ratio	Lower	Upper
173	100		
175	44.3	37.1	55.7
254	5.7	5.4	8.2





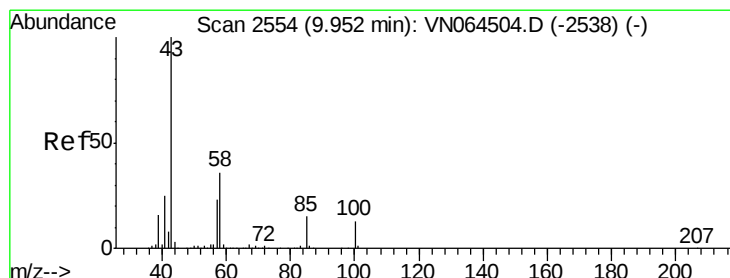
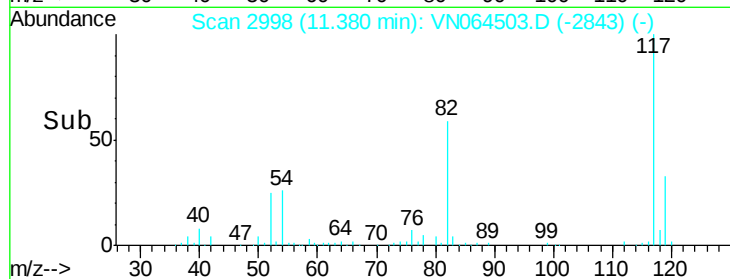
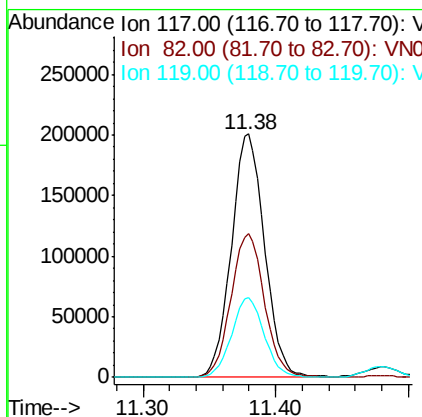
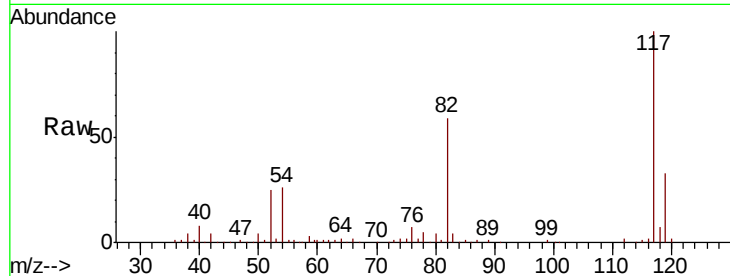
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.8	71.8
119	32.0	25.7	38.5

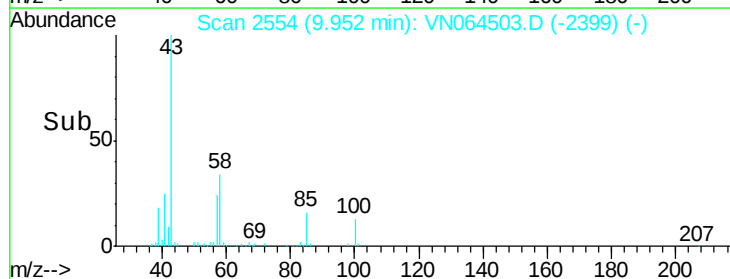
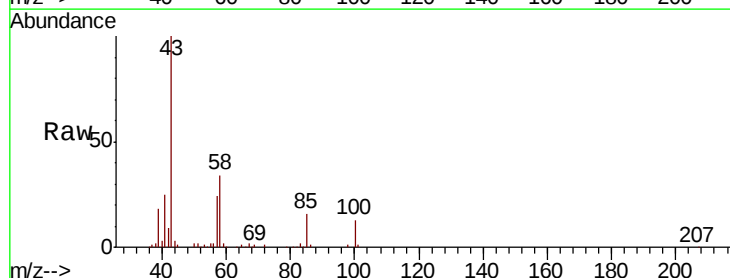
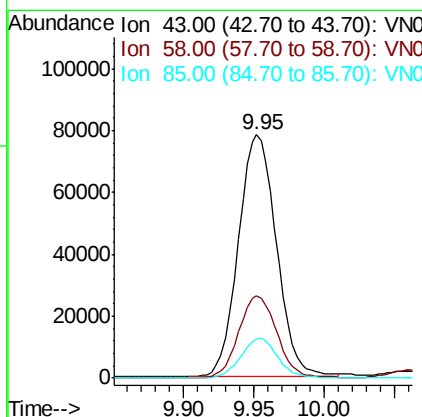
Manual Integrations
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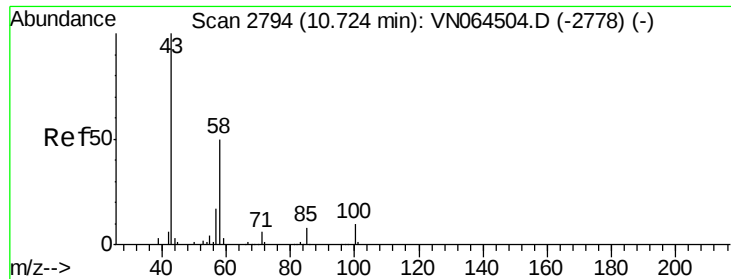
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#58
4-Methyl-2-Pentanone
Concen: 26.139 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.3	28.8	43.2
85	16.0	12.3	18.5





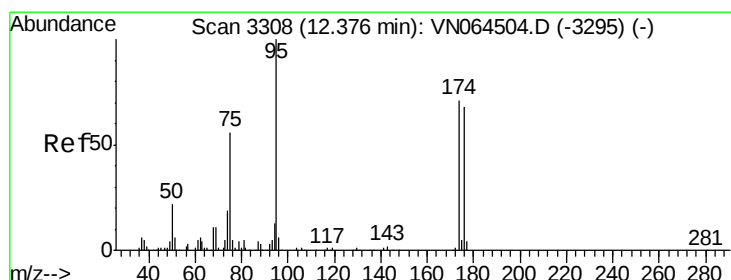
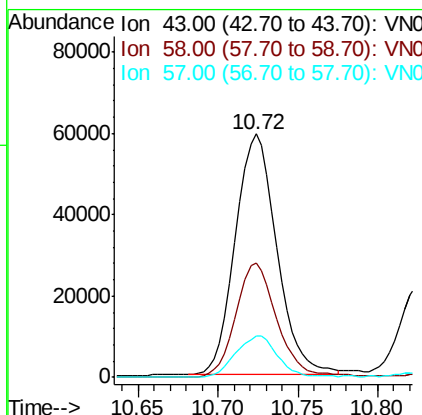
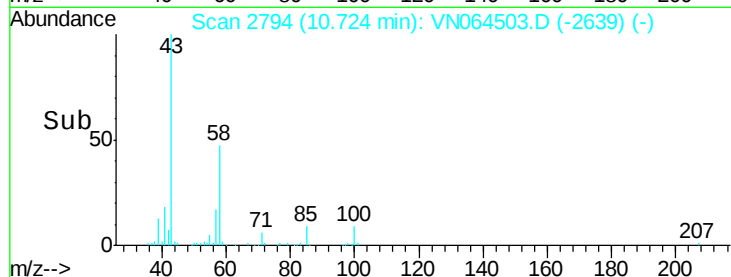
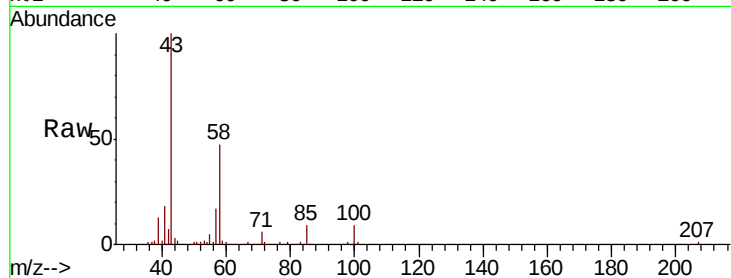
#59
2-Hexanone
Concen: 25.144 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.2	57.4
57	17.2	13.8	20.8

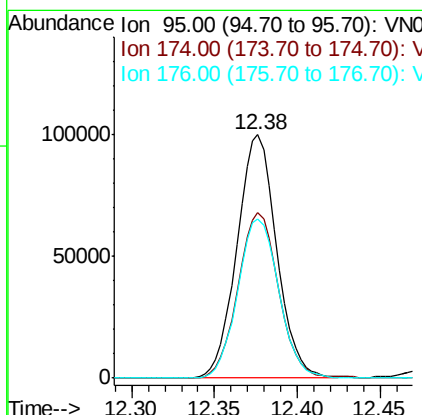
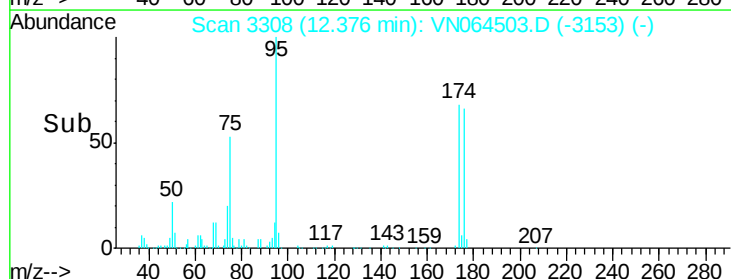
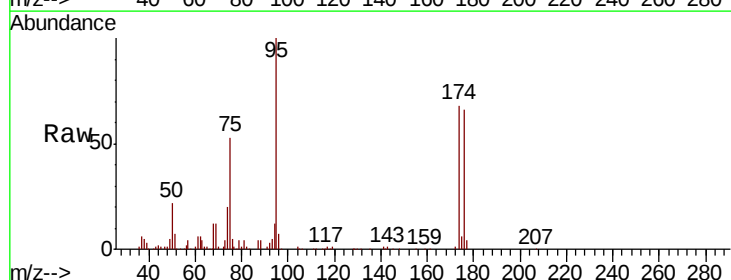
Manual Integrations
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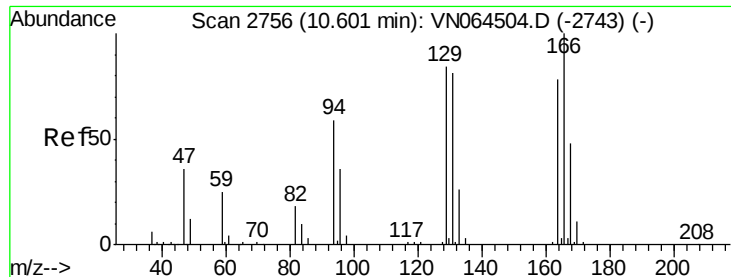
MMDadoda
11/10/2020 1:10:26 PM



#60
4-Bromofluorobenzene
Concen: 28.067 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.5	56.4	84.6
176	67.7	53.3	79.9





#61

Tetrachloroethene

Concen: 4.944 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Instrument :

MSVOA_N

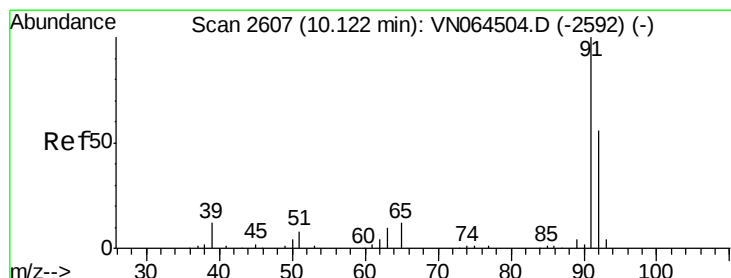
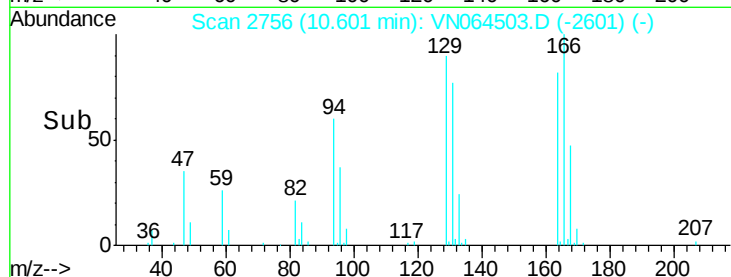
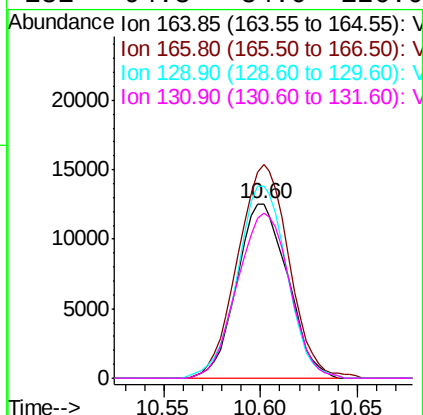
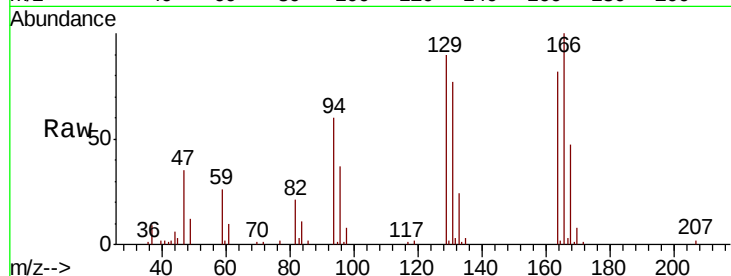
ClientSampleId :

VSTDIC005

Tot Ion:	164	Resp:	23004
Ion	Ratio	Lower	Upper
164	100		
166	122.4	103.2	154.8
129	109.1	86.4	129.6
131	94.3	84.0	126.0

Manual Integrations
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#62

Toluene

Concen: 5.149 ug/l

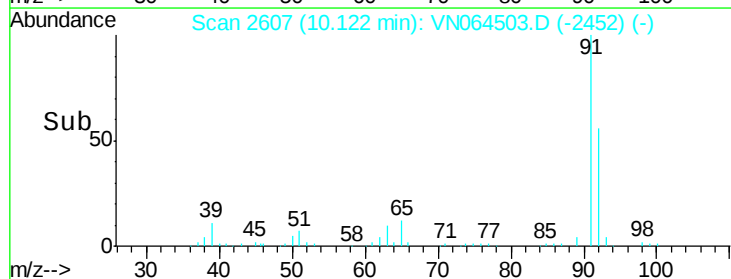
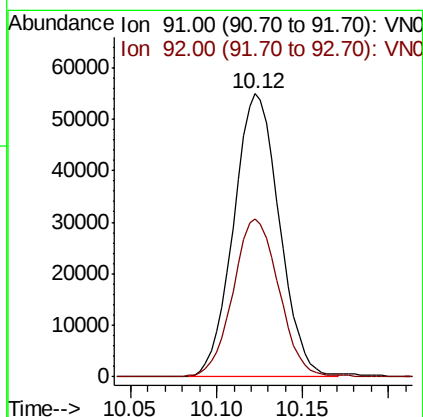
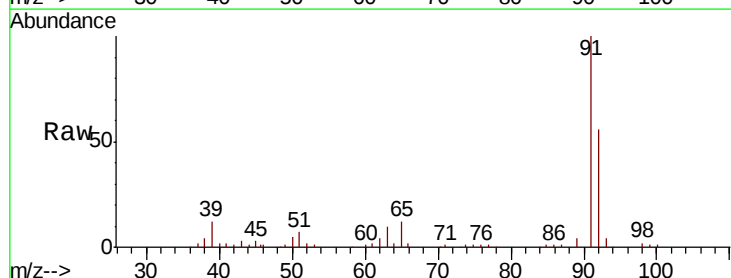
RT: 10.12 min Scan# 2607

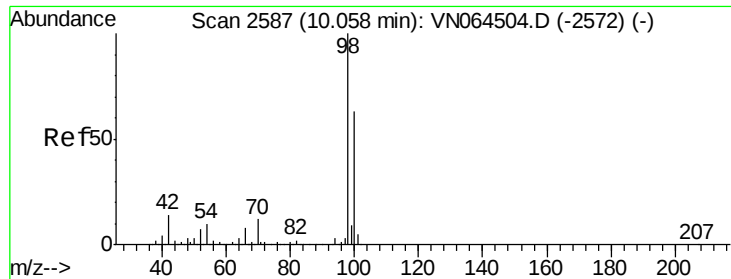
Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Tgt Ion:	91	Resp:	101349
Ion	Ratio	Lower	Upper
91	100		
92	56.1	45.4	68.2





#63

Toluene-d8

Concen: 31.454 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 98 Resp: 497442

Ion Ratio Lower Upper

98 100

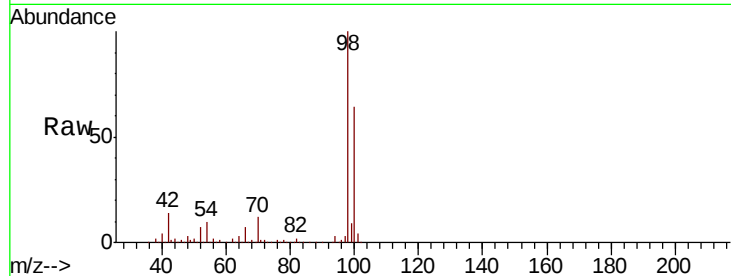
100 62.8 49.4 74.2

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN064503.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064503.D (-2572) (-)

10.06

250000

200000

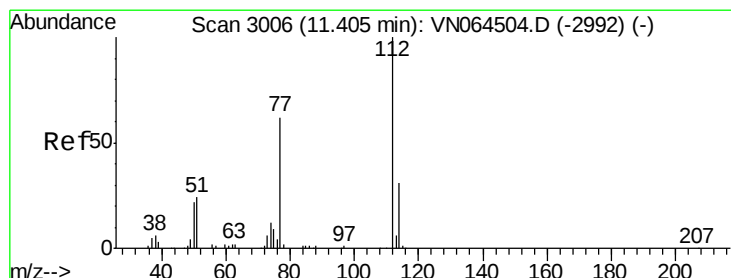
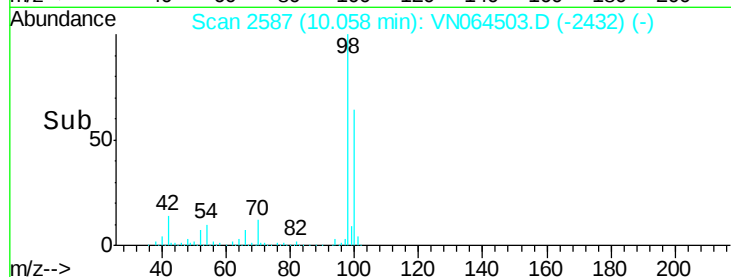
150000

100000

50000

0

Time-->



#64

Chlorobenzene

Concen: 4.800 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN064503.D

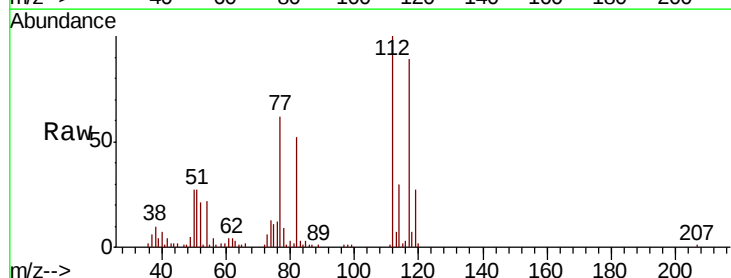
Acq: 9 Nov 2020 11:15

Tgt Ion: 112 Resp: 58519

Ion Ratio Lower Upper

112 100

114 30.2 25.0 37.6



Abundance Ion 112.00 (111.70 to 112.70): VN064503.D (-2851) (-)

Ion 114.00 (113.70 to 114.70): VN064503.D (-2851) (-)

11.40

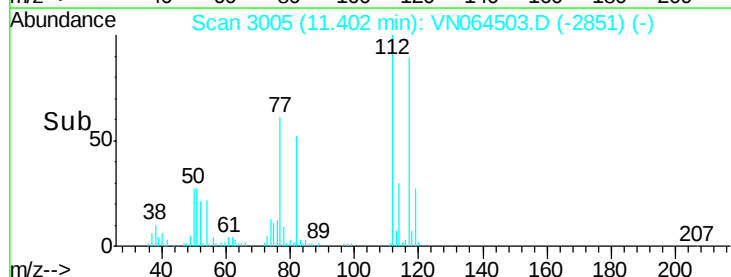
30000

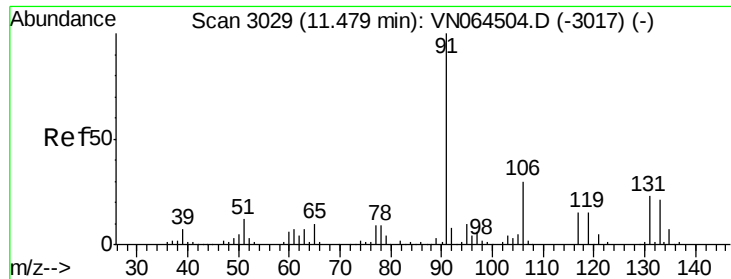
20000

10000

0

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 4.849 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Instrument :

MSVOA_N

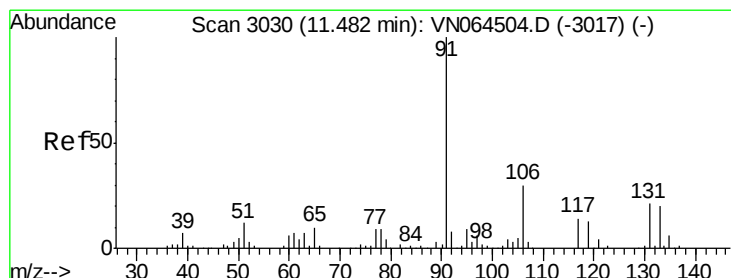
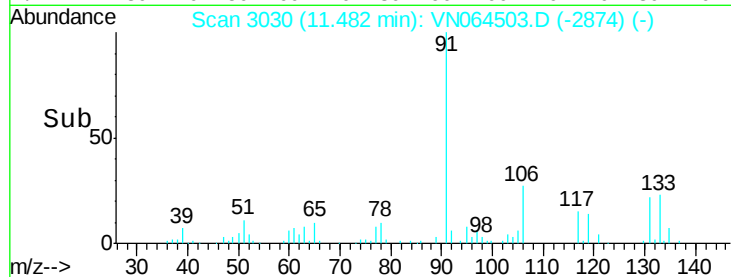
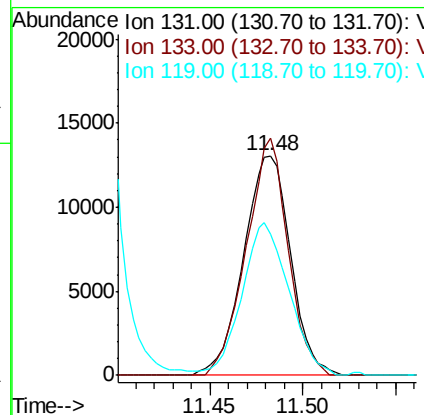
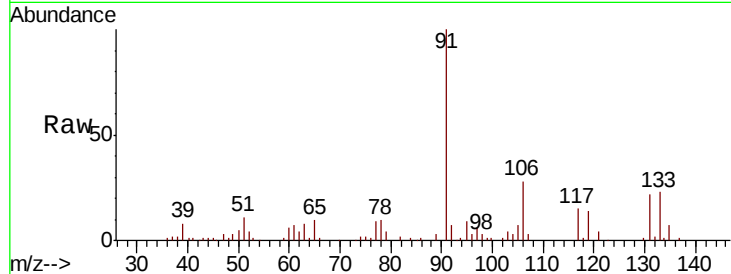
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.1	0.0	191.2
119	69.9	0.0	131.6

Manual Integrations
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#66

Ethyl Benzene

Concen: 4.678 ug/l

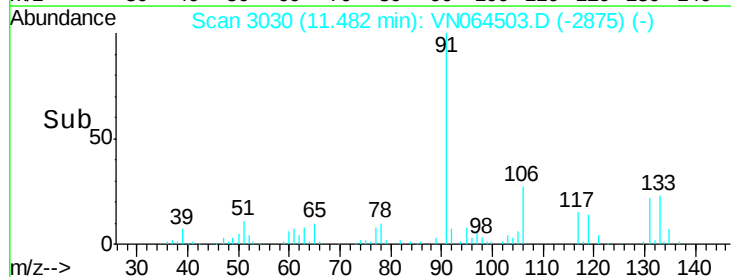
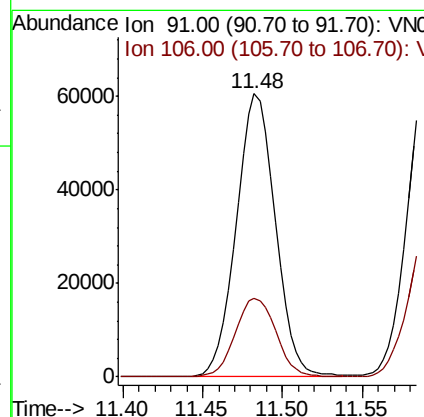
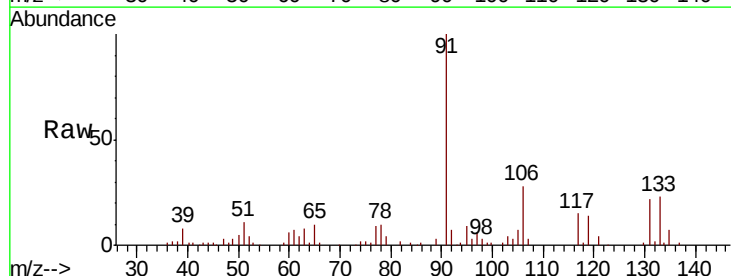
RT: 11.48 min Scan# 3030

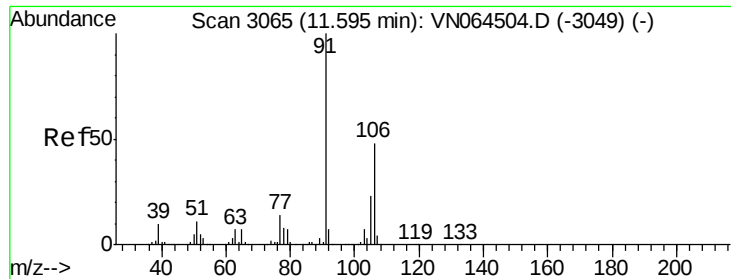
Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.0	23.9	35.9





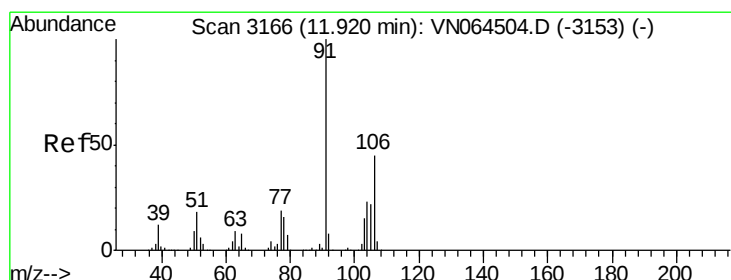
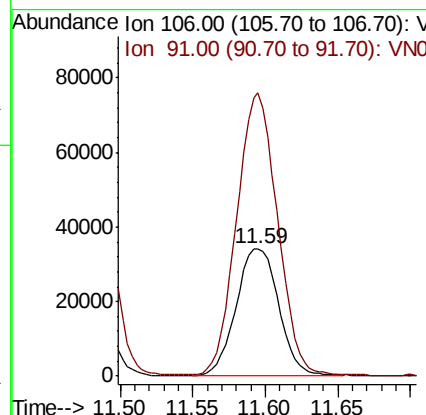
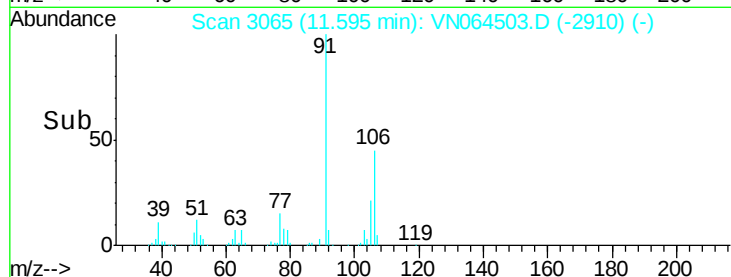
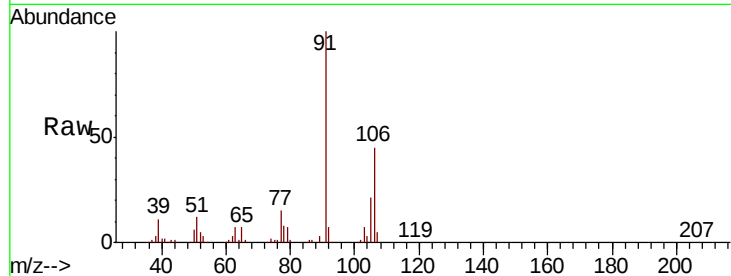
#67
m/p-Xylenes
Concen: 8.722 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 70545
Ion Ratio Lower Upper
106 100
91 212.5 168.8 253.2

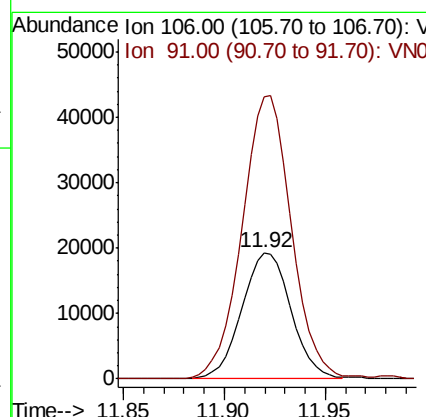
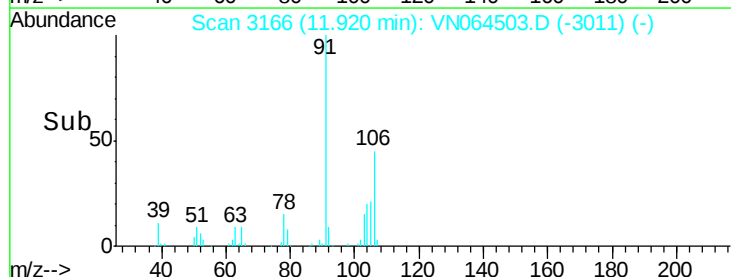
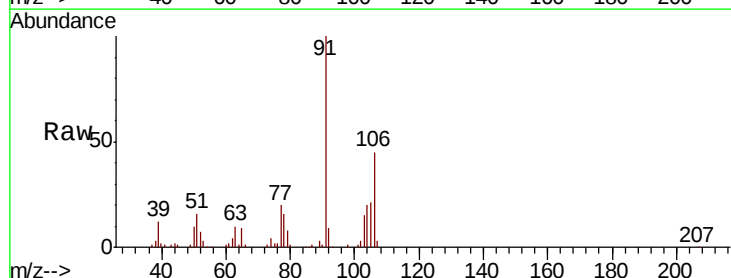
Manual Integrations
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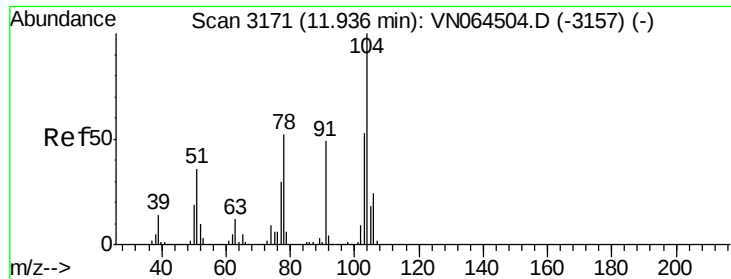
MMDadoda
11/10/2020 1:10:26 PM



#68
o-Xylene
Concen: 4.247 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion:106 Resp: 32941
Ion Ratio Lower Upper
106 100
91 225.0 109.7 329.2





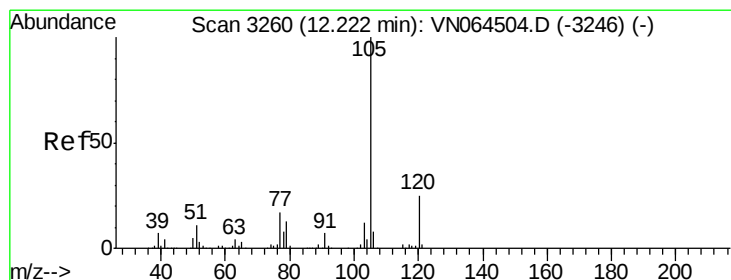
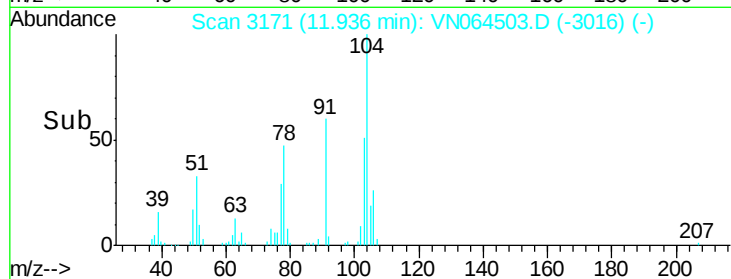
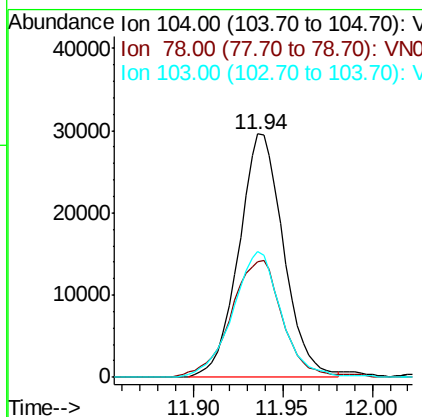
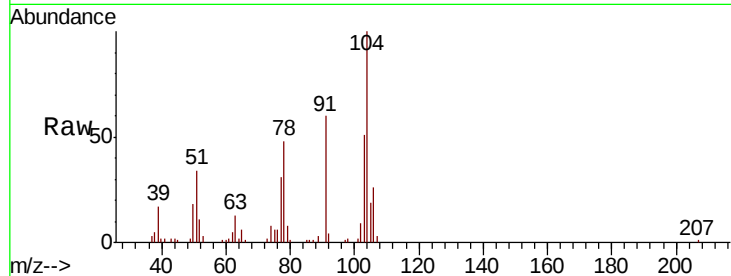
#69
Stvrene
Concen: 3.993 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.1	44.4	66.6
103	55.5	44.6	67.0

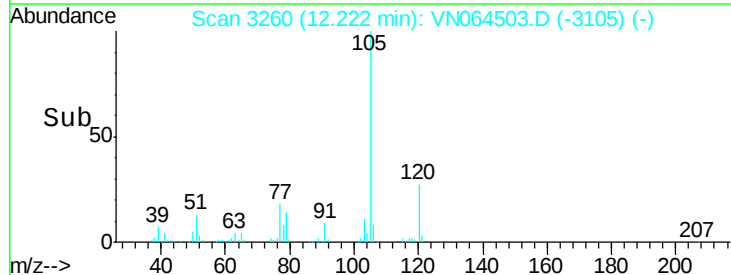
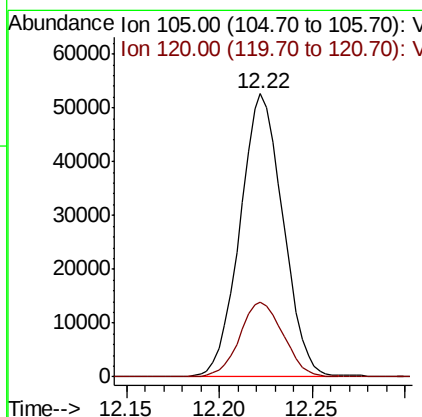
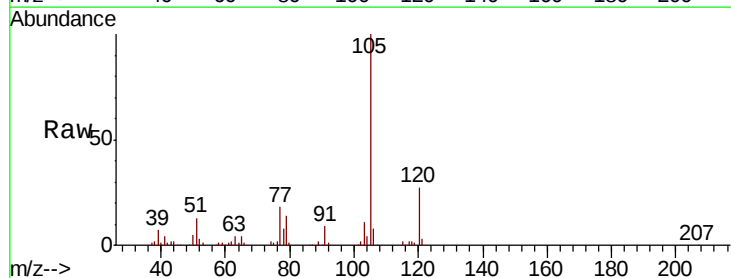
Manual Integrations
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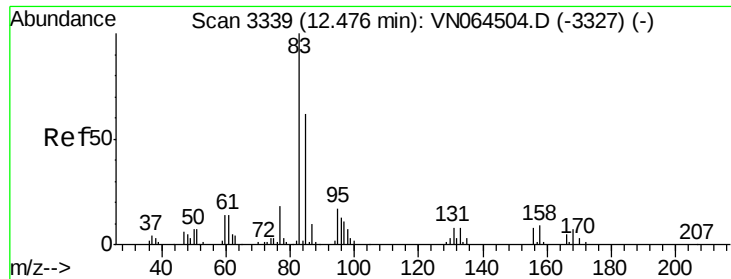
MMDadoda
11/10/2020 1:10:26 PM



#70
Isopropylbenzene
Concen: 4.208 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	17.9	33.3





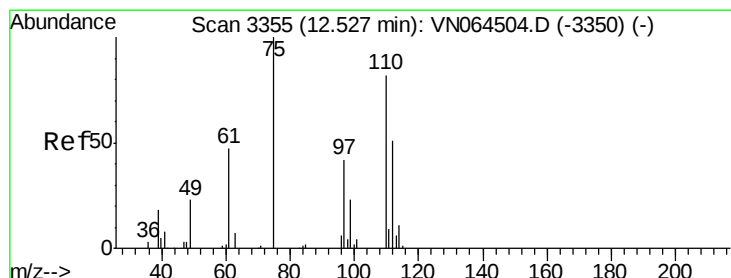
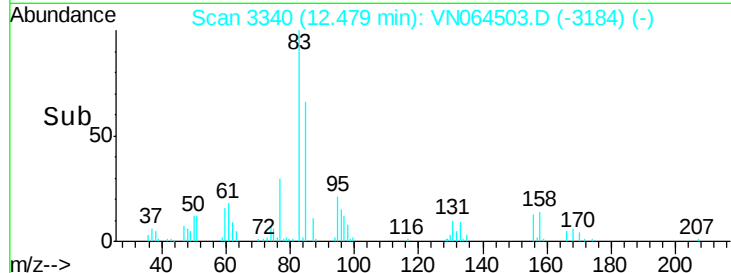
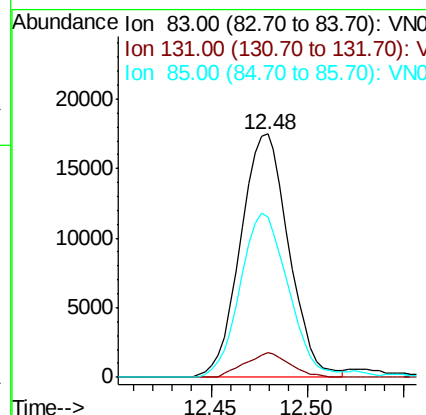
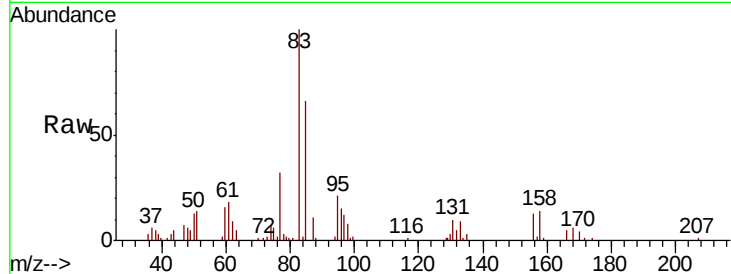
#71
 1,1,2,2-Tetrachloroethane
 Concen: 5.295 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.6	13.8
85	67.2	31.4	94.0

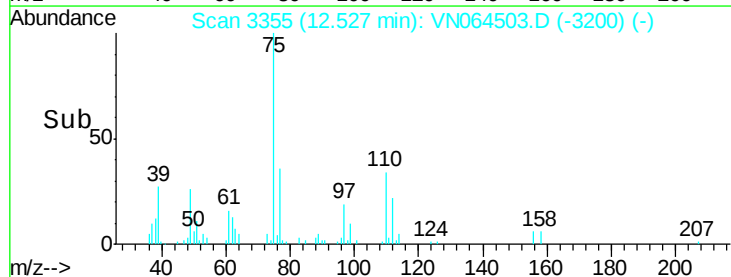
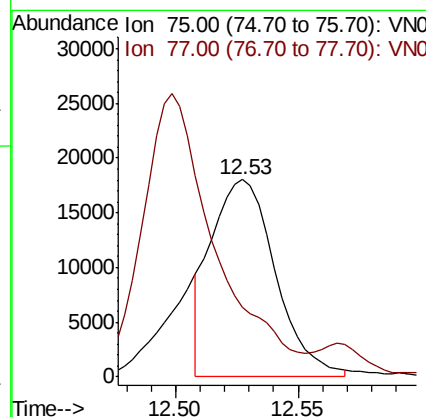
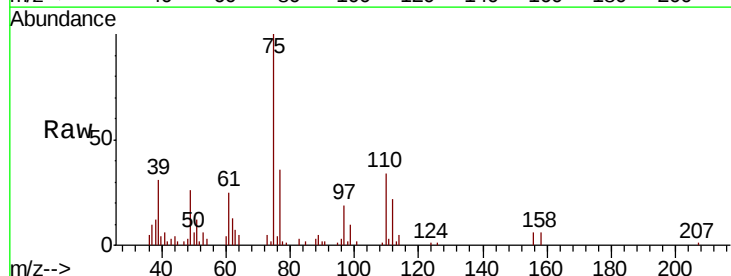
Manual Integrations
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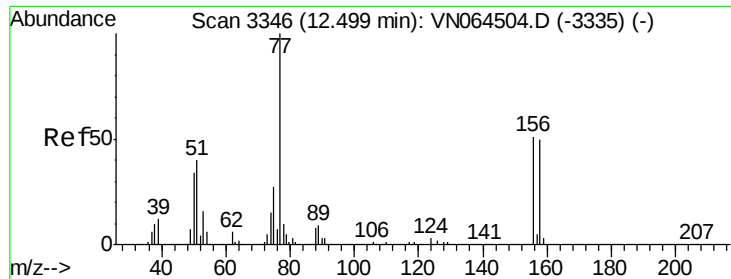
MMDadoda
 11/10/2020 1:10:26 PM



#72
 1,2,3-Trichloropropane
 Concen: 5.544 ug/l m
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	165.4	0.0	379.4





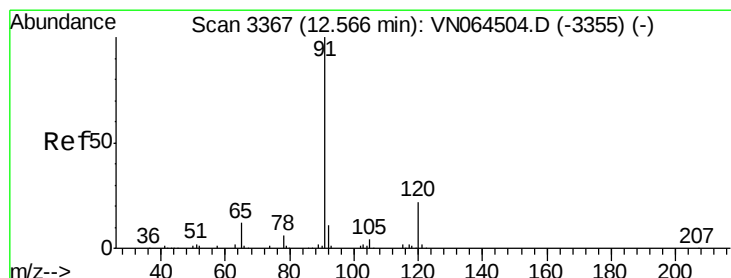
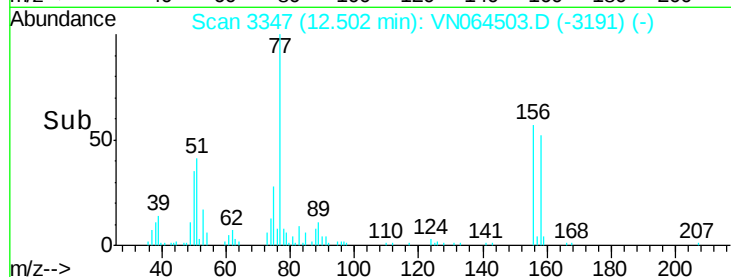
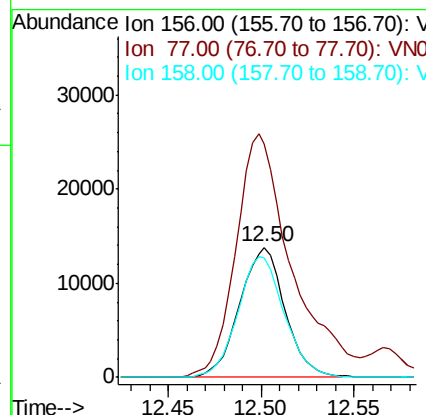
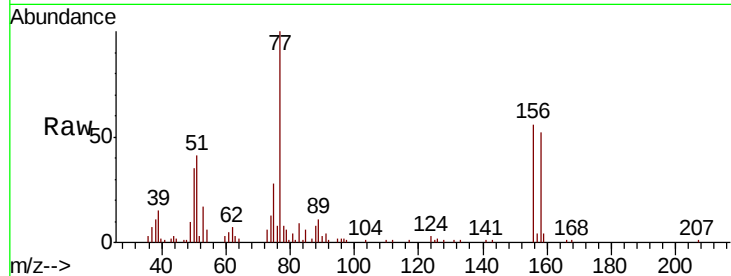
#73
Bromobenzene
Concen: 4.551 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	231.5	0.0	480.2
158	95.0	0.0	194.0

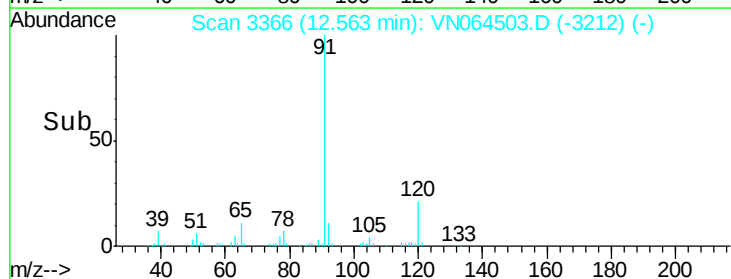
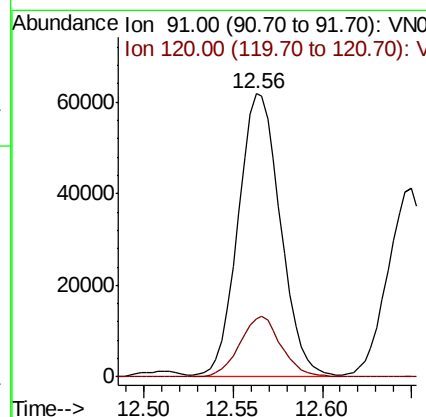
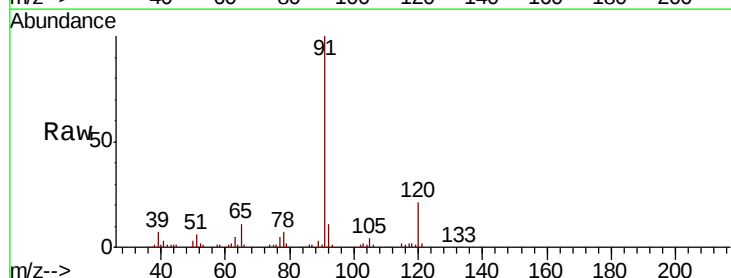
Manual Integrations
APPROVED

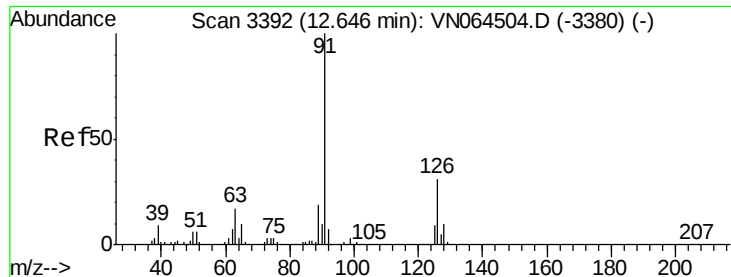
MMDadoda
11/10/2020 1:10:26 PM



#74
n-propylbenzene
Concen: 4.581 ug/l
RT: 12.56 min Scan# 3366
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	0.0	42.8





#75

2-Chlorotoluene

Concen: 4.737 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 66906

Ion Ratio Lower Upper

91 100

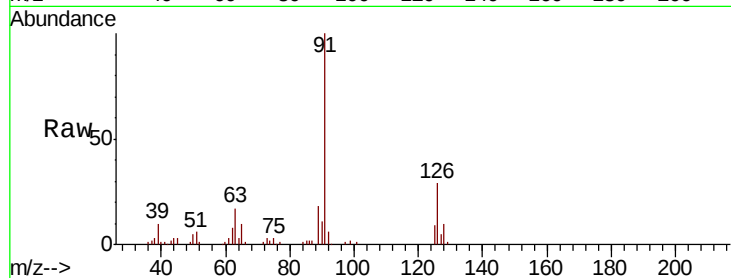
126 31.3 0.0 61.8

Manual Integrations

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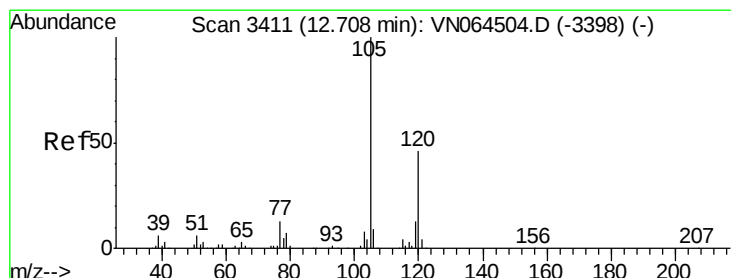
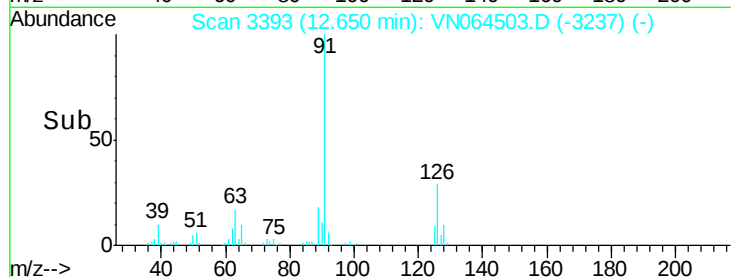
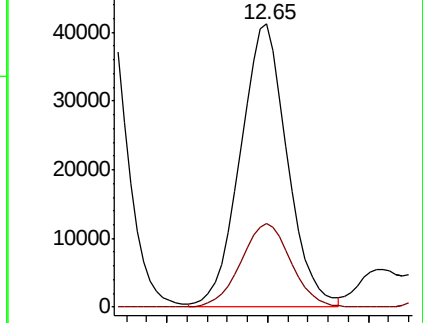
MMDadoda

11/10/2020 1:10:26 PM



Abundance Ion 91.00 (90.70 to 91.70): VN064503.D (-3237) (-)

Ion 126.00 (125.70 to 126.70): VN064503.D (-3237) (-)



#76

1,3,5-Trimethylbenzene

Concen: 4.200 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064503.D

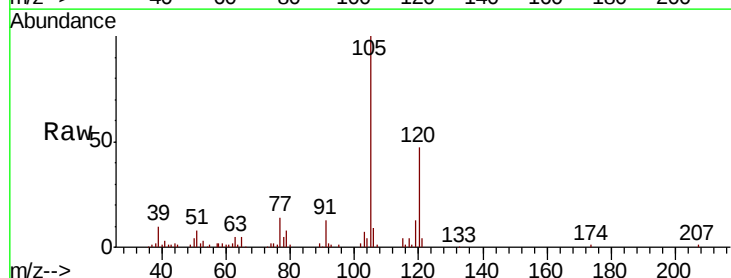
Acq: 9 Nov 2020 11:15

Tgt Ion: 105 Resp: 70190

Ion Ratio Lower Upper

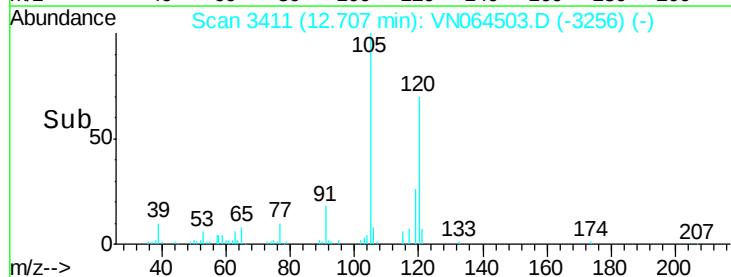
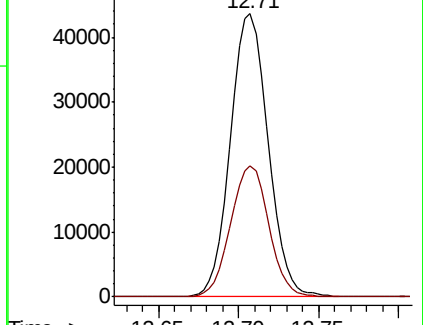
105 100

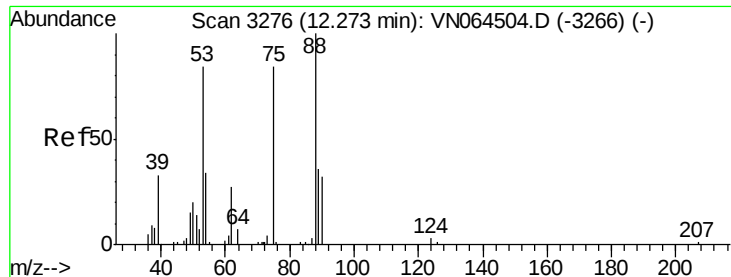
120 46.8 0.0 90.4



Abundance Ion 105.00 (104.70 to 105.70): VN064503.D (-3256) (-)

Ion 120.00 (119.70 to 120.70): VN064503.D (-3256) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 4.528 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064503.D

Acq: 9 Nov 2020 11:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 9526

Ion Ratio Lower Upper

75 100

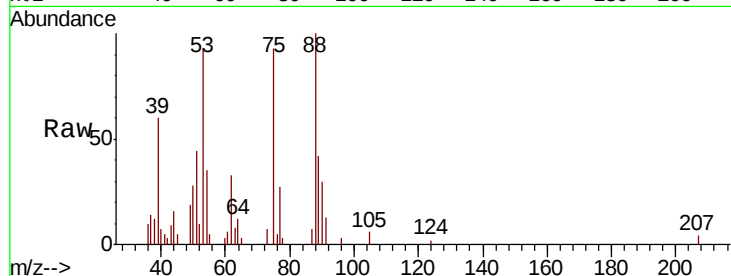
53 96.8 50.3 150.9

89 42.9 23.3 69.8

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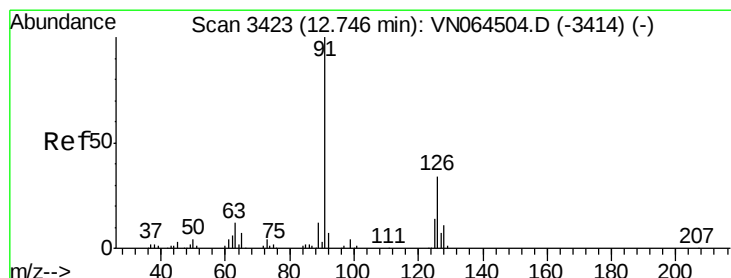
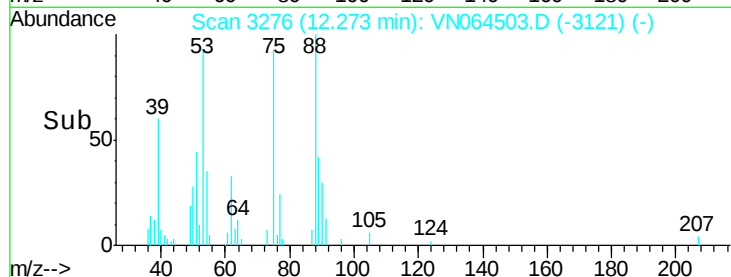
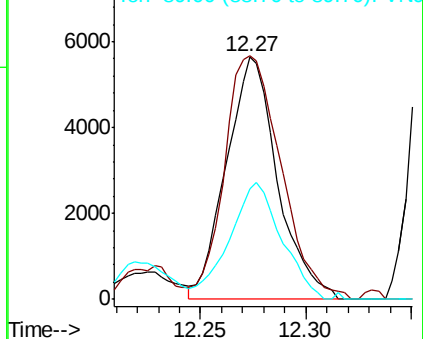
11/10/2020 1:10:26 PM



Abundance Ion 75.00 (74.70 to 75.70): VN064503.D (-3276) (-)

Ion 53.00 (52.70 to 53.70): VN064503.D (-3276) (-)

Ion 89.00 (88.70 to 89.70): VN064503.D (-3276) (-)



#78

4-Chlorotoluene

Concen: 4.617 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN064503.D

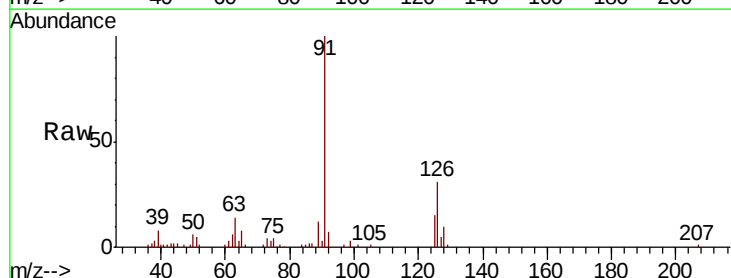
Acq: 9 Nov 2020 11:15

Tgt Ion: 91 Resp: 67728

Ion Ratio Lower Upper

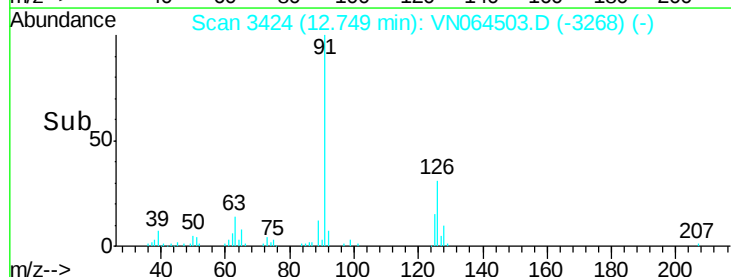
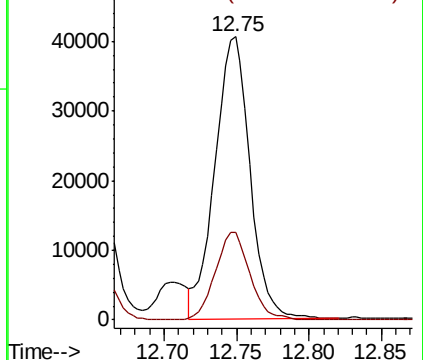
91 100

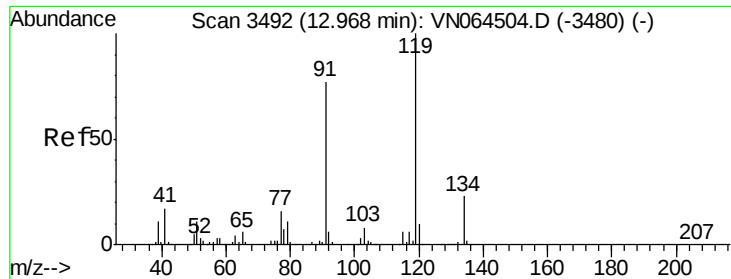
126 30.6 0.0 61.8



Abundance Ion 91.00 (90.70 to 91.70): VN064503.D (-3423) (-)

Ion 126.00 (125.70 to 126.70): VN064503.D (-3423) (-)





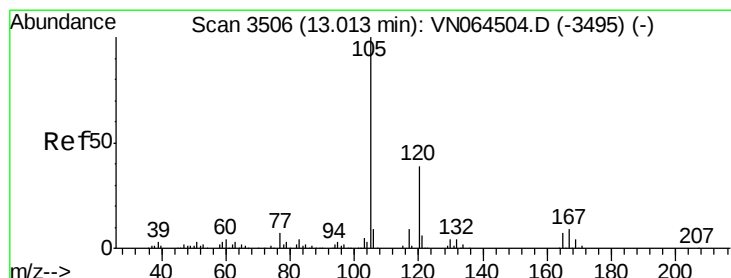
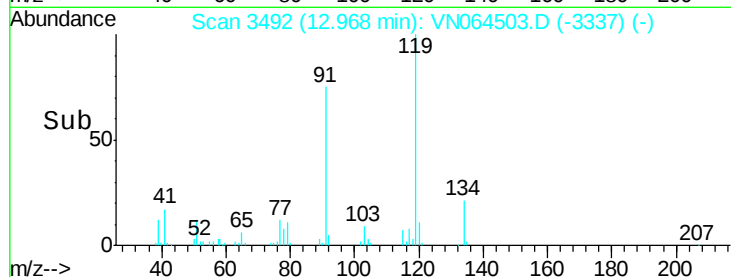
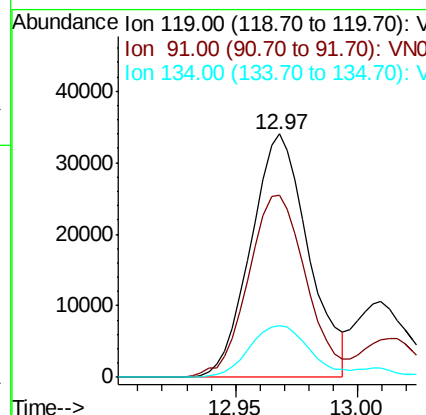
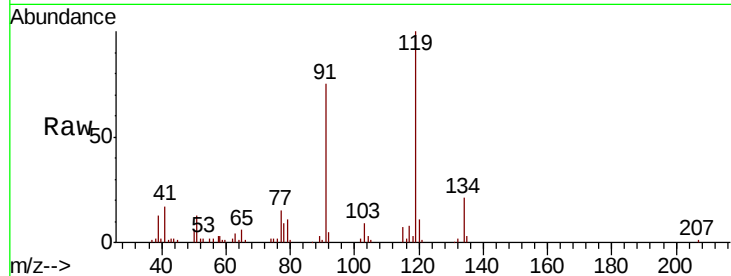
#79
tert-butylbenzene
Concen: 4.238 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	75.8	0.0	147.8
134	22.4	0.0	50.6

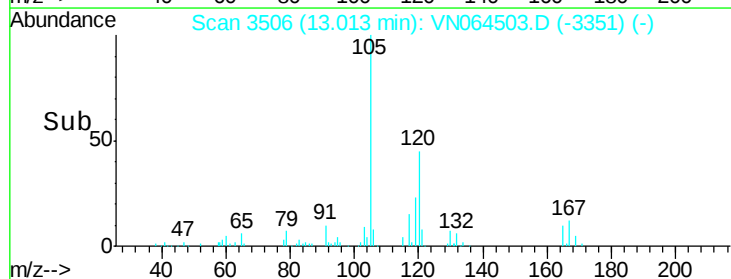
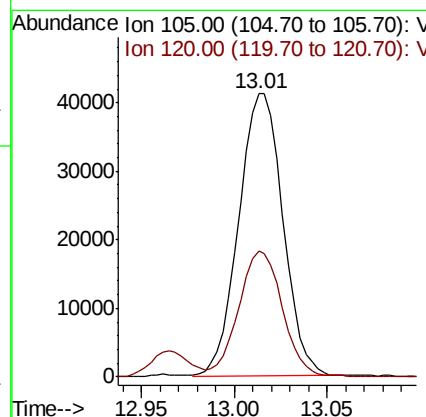
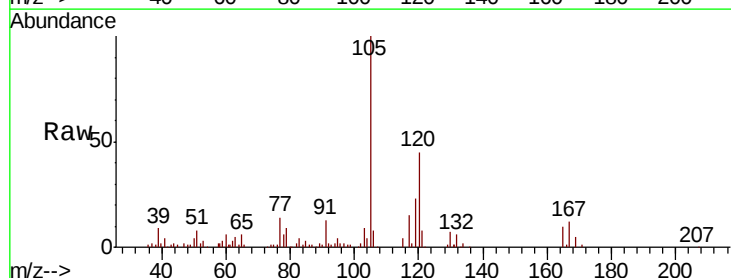
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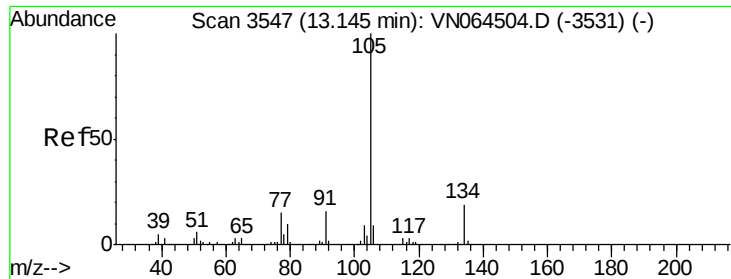
MMDadoda
11/10/2020 1:10:26 PM



#80
1,2,4-Trimethylbenzene
Concen: 4.044 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	0.0	88.6





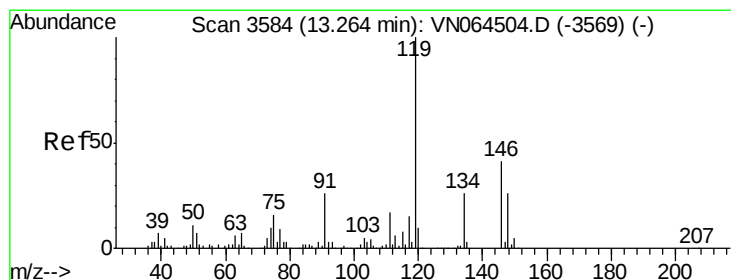
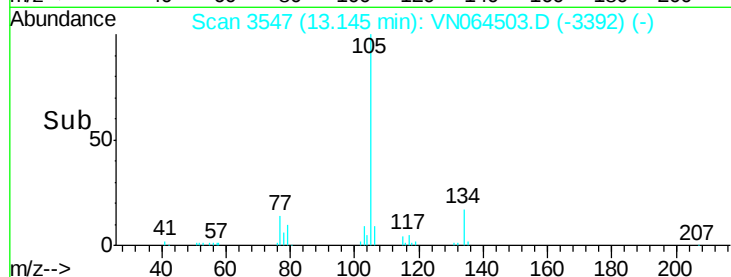
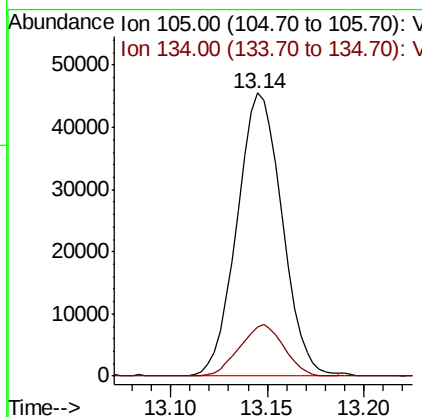
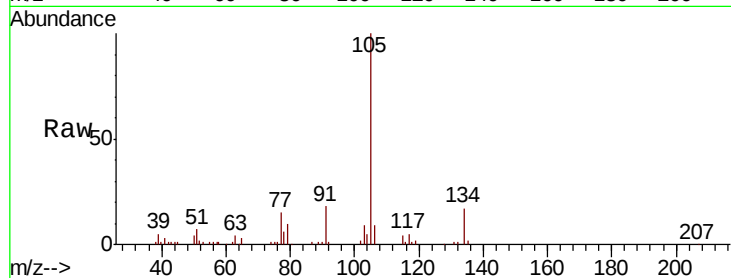
#81
 sec-Butylbenzene
 Concen: 4.376 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.8	0.0	37.8

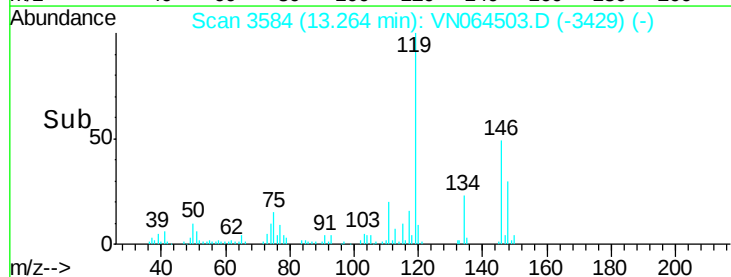
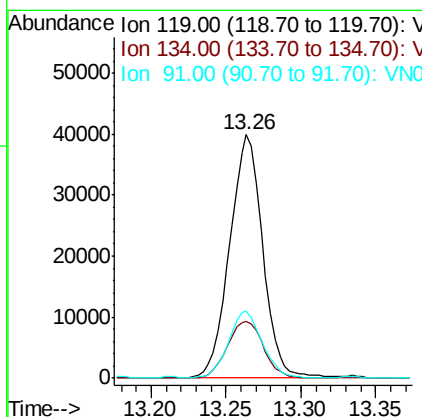
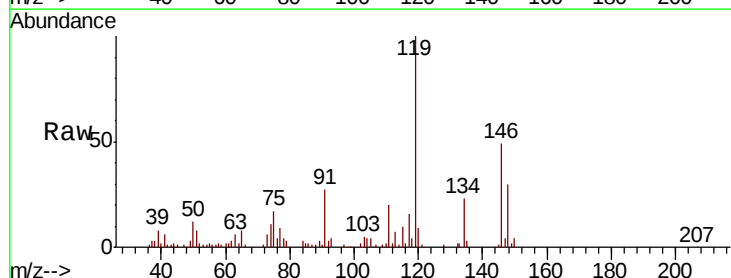
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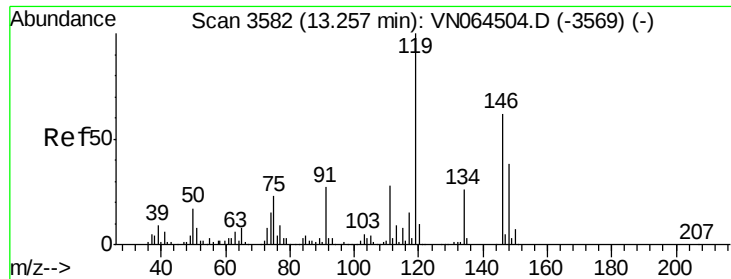
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 11/10/2020 1:10:26 PM



#82
 p-Isopropyltoluene
 Concen: 3.987 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	0.0	53.0
91	27.8	0.0	53.2





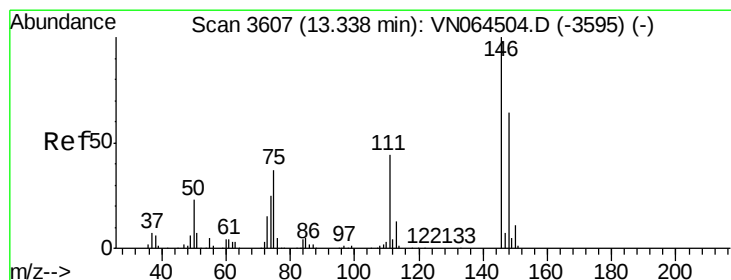
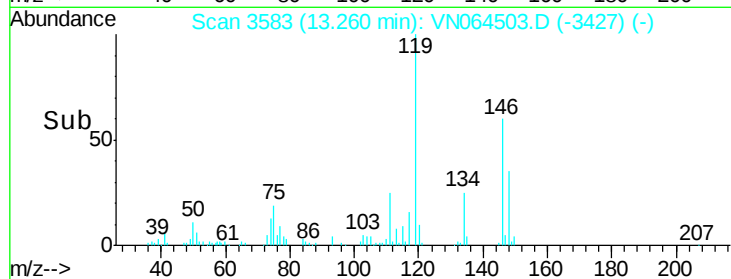
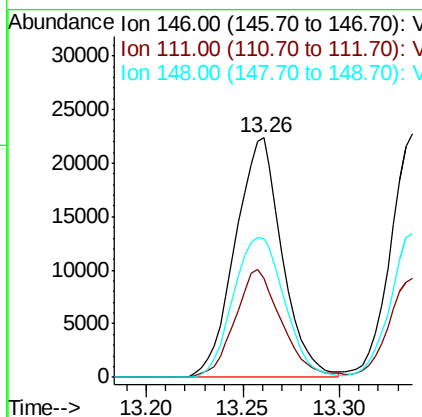
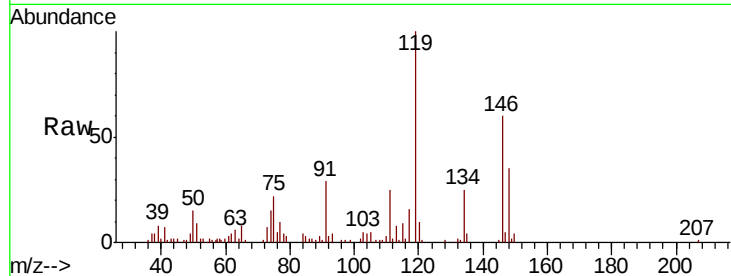
#83
 1,3-Dichlorobenzene
 Concen: 4.263 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.3	66.9
148	63.6	31.8	95.3

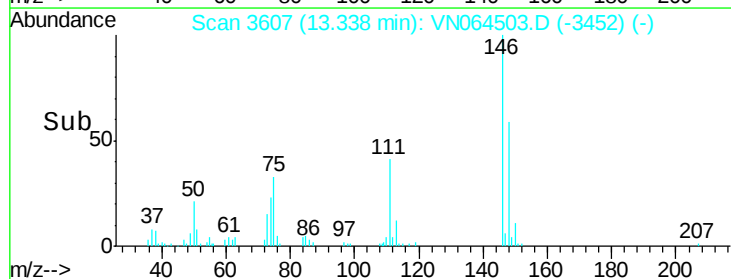
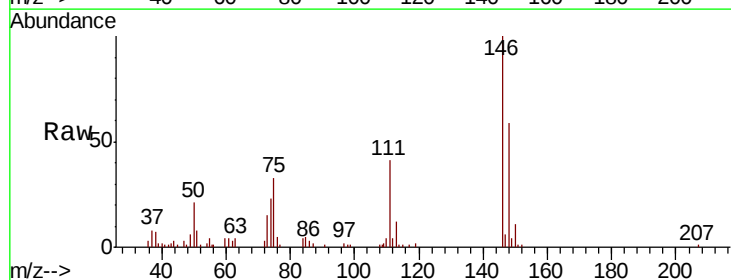
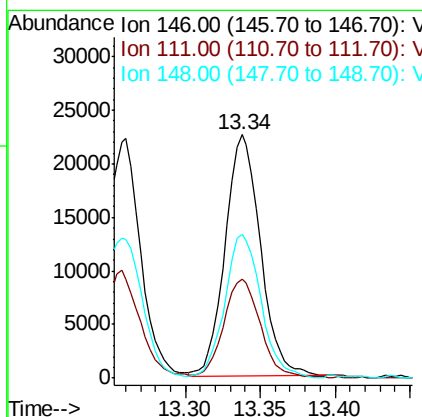
Manual Integrations
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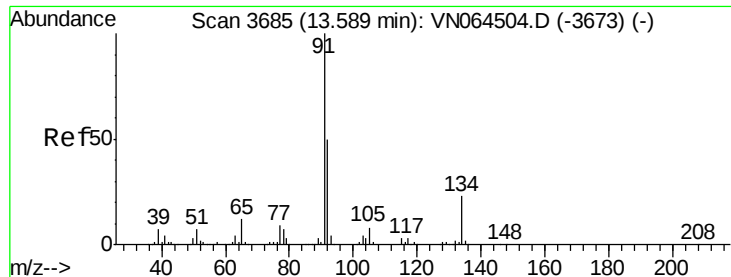
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 4.215 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.8	65.4
148	60.9	31.5	94.5





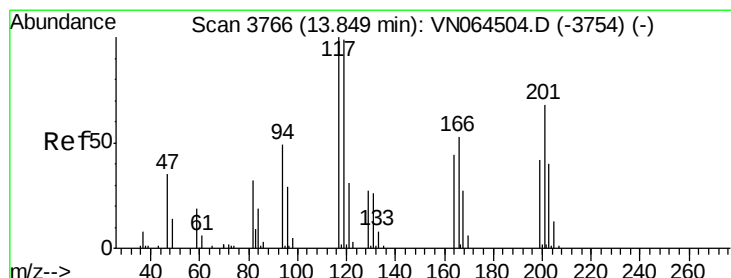
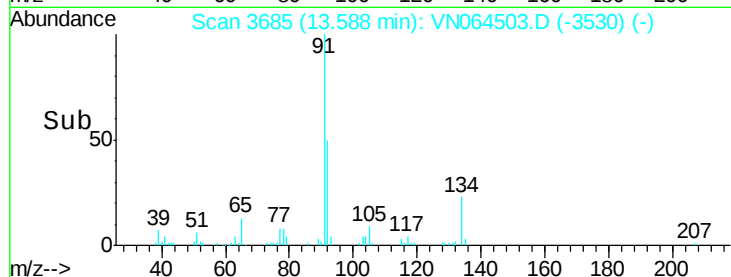
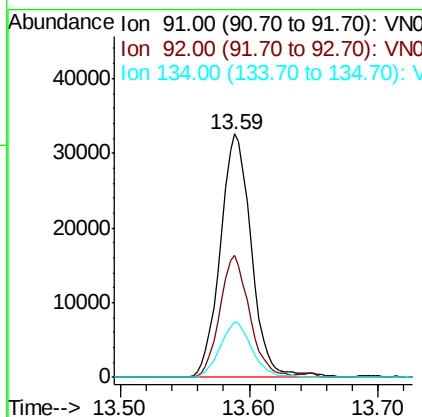
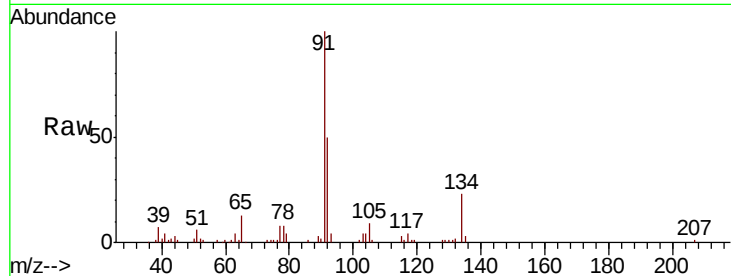
#85
n-Butylbenzene
Concen: 4.414 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	47.6	0.0	101.4
134	22.8	0.0	45.2

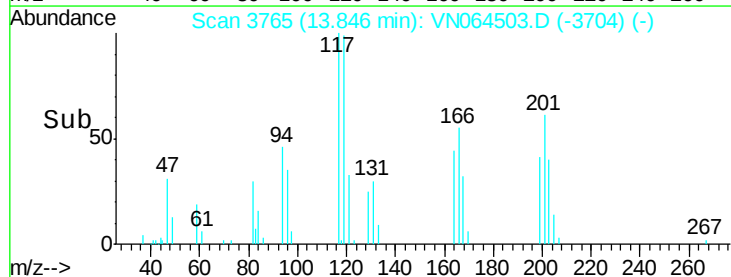
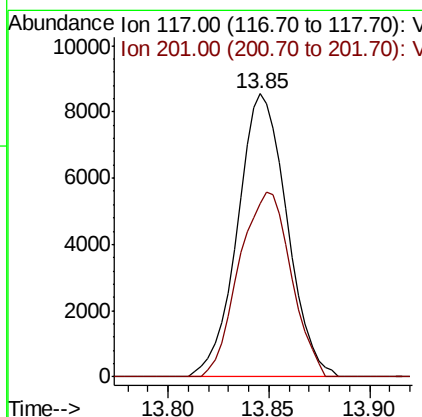
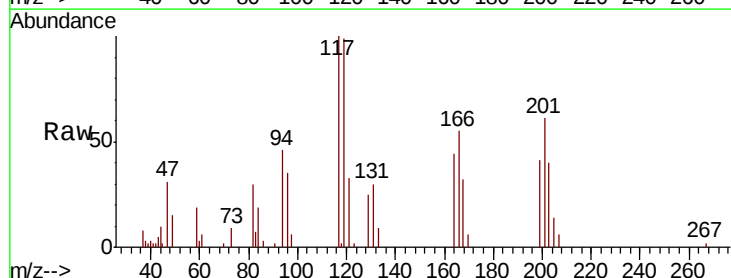
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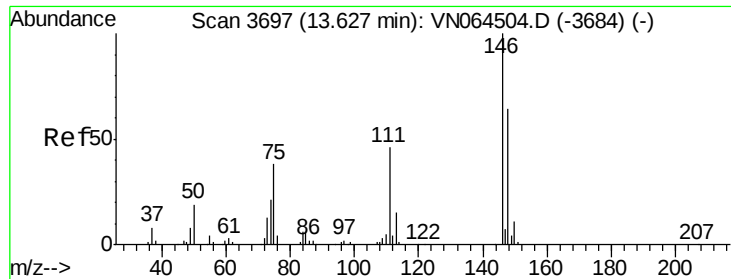
MMDadoda
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#86
Hexachloroethane
Concen: 4.968 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.8	33.1	99.3





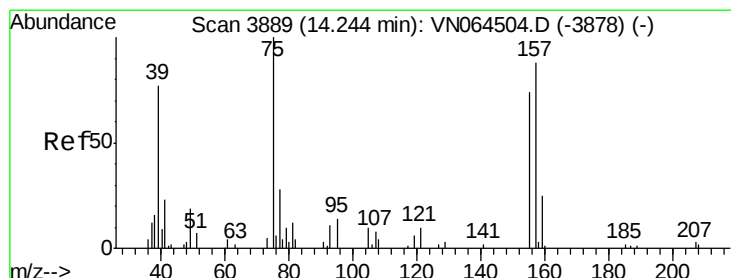
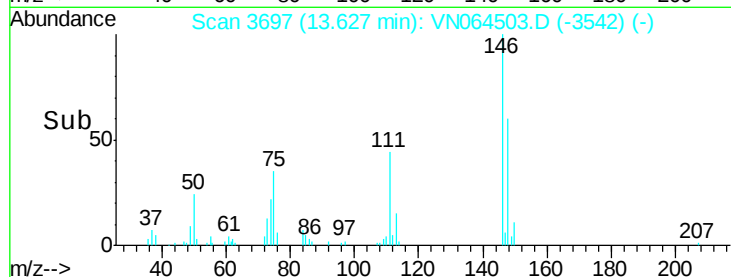
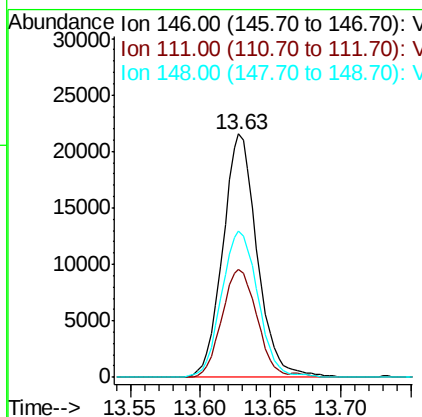
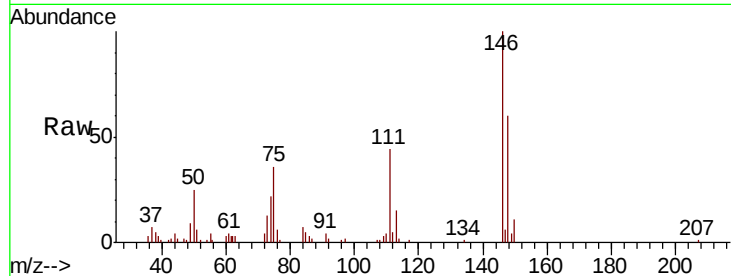
#87
 1,2-Dichlorobenzene
 Concen: 4.314 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	23.1	69.2
148	63.0	32.6	97.8

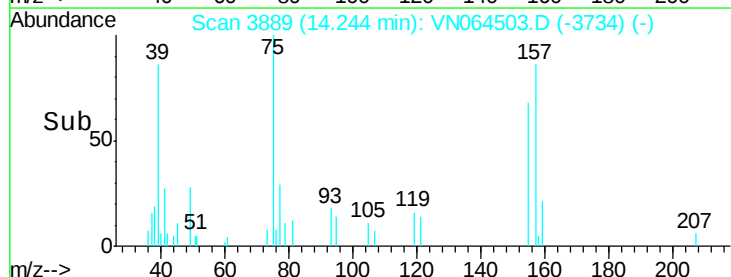
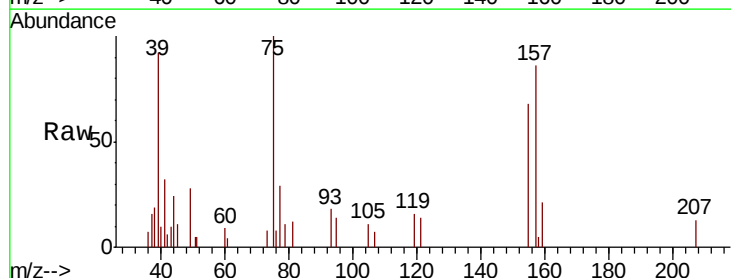
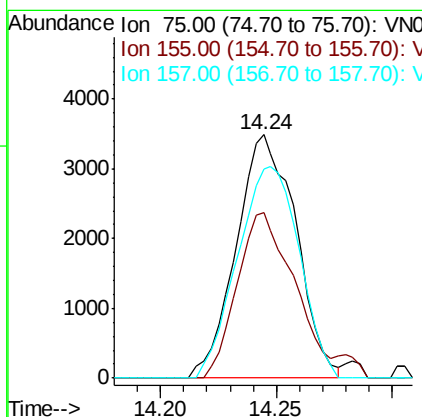
Manual Integrations
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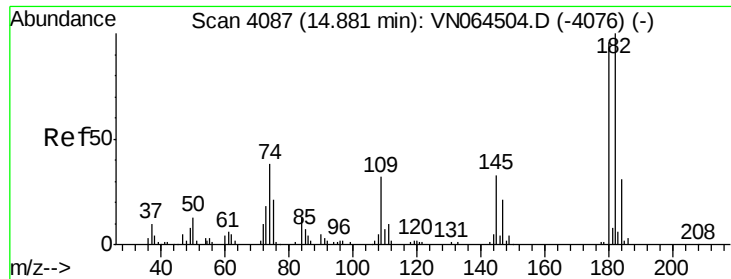
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 5.039 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.9	56.5	84.7
157	89.8	69.7	104.5





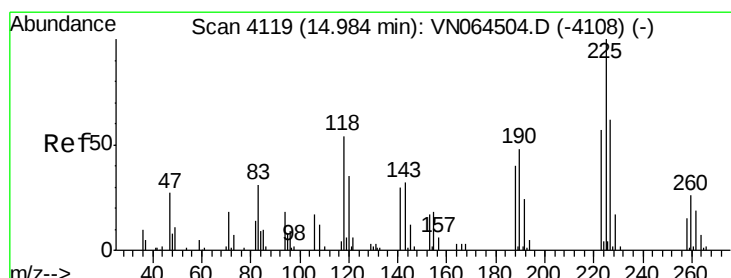
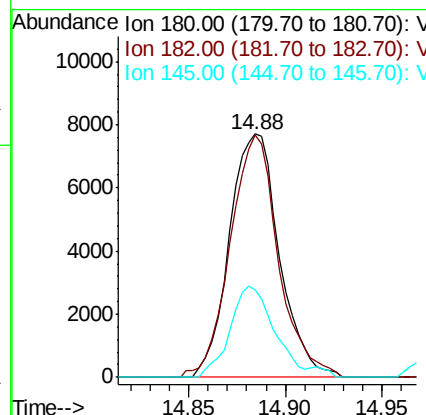
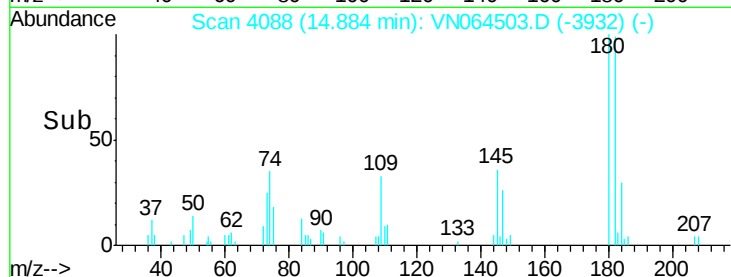
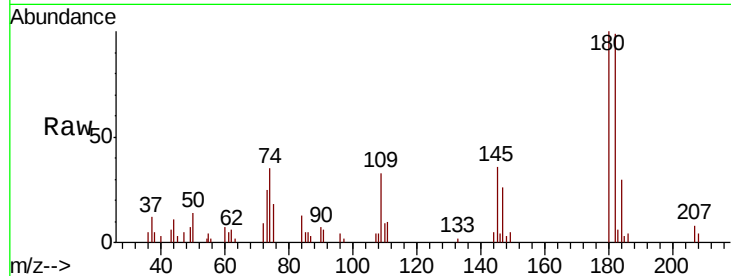
#89
 1,2,4-Trichlorobenzene
 Concen: 3.381 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	79.4	119.0
145	32.9	27.6	41.4

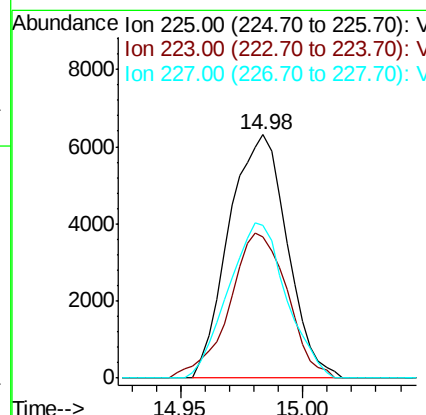
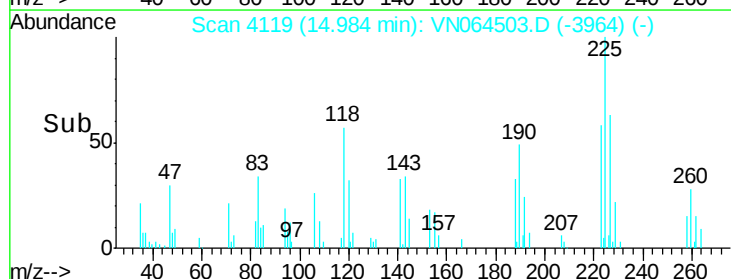
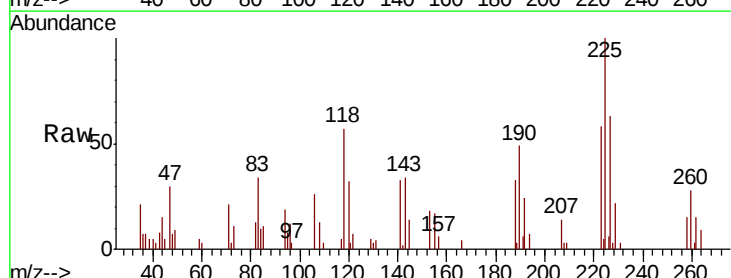
Manual Integrations
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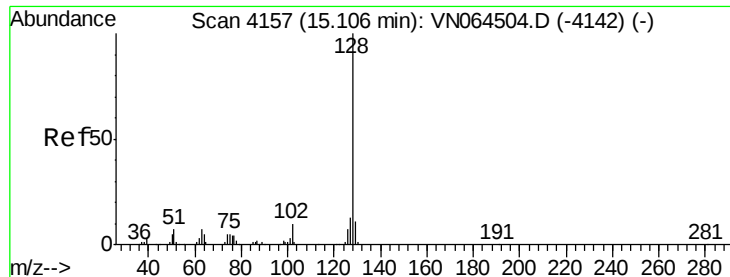
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 11/10/2020 1:10:26 PM



#90
 Hexachlorobutadiene
 Concen: 4.802 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN064503.D
 Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.9	0.0	125.4
227	63.5	0.0	122.0





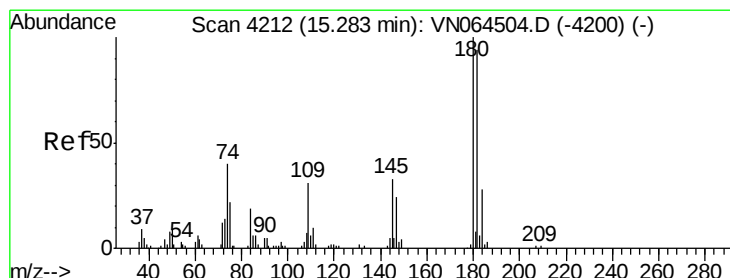
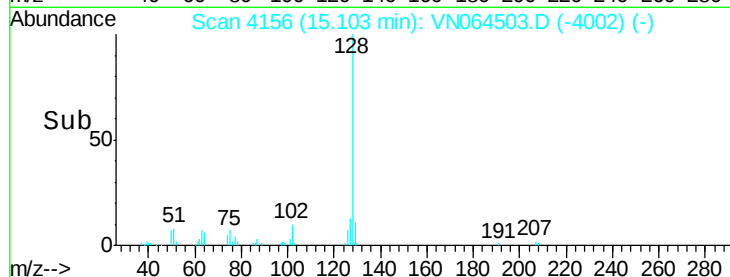
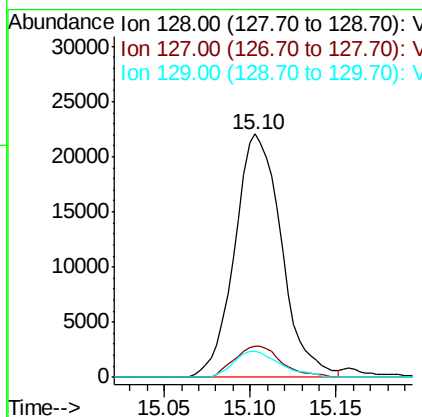
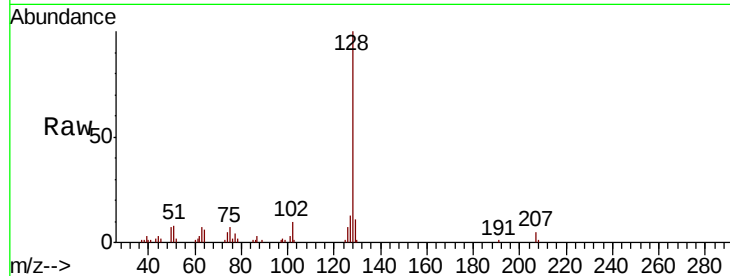
#91
Naphthalene
Concen: 3.372 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.7	8.5	12.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 3.659 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN064503.D
Acq: 9 Nov 2020 11:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	0.0	186.0
145	39.9	0.0	69.6

